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Pavlovskyite $Ca_8(SiO_4)_2(Si_3O_{10})$: A new mineral of altered silicate-carbonate xenoliths from the two Russian type localities, Birkhin massif, Baikal Lake area and Upper Chegem caldera, North Caucasus

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Abstract

The new mineral pavlovskyite $Ca_8(SiO_4)_2(Si_3O_{10})$ forms rims together with dellaite $Ca_6(Si_2O_7)(SiO_4)(OH)_2$ around galuskinite $Ca_7(SiO_4)_3CO_3$ veins cutting calcio-olivine skarns in the Birkhin gabbro massif. In addition, skeletal pavlovskyite occurs in cuspidine zones of altered carbonate xenoliths in the ignimbrites of the Upper Chegem caldera (North Caucasus). The synthetic analog of pavlovskyite has been synthesized before and is known from cement-like materials. Isotypic to pavlovskyite is the synthetic germanate analog $Ca_8(GeO_4)_2(Ge_3O_{10})$. The crystal structure of pavlovskyite, space group *Pbcn*, a = 5.0851(1), b = 11.4165(3), c = 28.6408(8) Å, V = 1662.71(7) Å^3, Z = 4, has been refined from X-ray single-crystal data to $R1$ = 3.87%. The new colorless mineral has a Mohs hardness of 6–6.5, biaxial (–), α = 1.656(2), β = 1.658(2), γ = 1.660(2) (589 nm), $2V$ (meas) = 80(5)°, $2V$ (calc) = 89.9°, medium dispersion: r > v, optical orientation: **X** = **b**, **Y** = **c**, **Z** = **a**.

For comparison with pavlovskyite, the crystal structure of kilchoanite $Ca_6(SiO_4)(Si_3O_{10})$ from the Birkhin massif [space group *I2cm*, a = 11.4525(2), b = 5.0867(1), c = 21.996(3) Å, V = 1281.40(4) Å^3, Z = 4] has been refined from single-crystal X-ray data to $R1$ = 2.00%.

Pavlovskyite represents a 1:1 member of a polysomatic series with calcio-olivine γ-Ca_2SiO_4 and kilchoanite $Ca_6(SiO_4)(Si_3O_{10})$ as end-member modules. The structure is characterized by strongly folded trisilicate units (Si_3O_{10}) interwoven with a framework of CaO_6 and CaO_8 polyhedra. Olivine-like slices with orthosilicate groups are interstratified with the characteristic trisilicate module of $Ca_4(Si_3O_{10})$ composition. Although the optical properties of pavlovskyite and kilchoanite are similar, both minerals can be distinguished by chemical analyses (different Ca/Si ratio), X-ray diffraction, and Raman spectroscopy. The new mineral is named after V.E. Pavlovsky (1901–1982), an outstanding geologist in the area of Eastern Siberia, in particular of the Baikal region.

Keywords: Pavlovskyite, kilchoanite, skarn, structure, Raman, Upper Chegem caldera, Birkhin massif, Russia

Introduction

Funk (1957, 1958), among others, postulated the formation of a γ-Ca_2SiO_4 phase (olivine structure type) with 0.3–0.5 H_2O pfu mainly on the basis of weight loss and powder X-ray data of steam-treated (120–350 °C) Ca_2SiO_4. With the goal of clarifying the nature of this questionable "γ-dicalcium silicate hydrate," Speakman et al. (1967) performed hydrothermal experiments between 150 and 600 °C at 15 to 350 bar. The synthesis products were identified by X-ray powder diffraction and three consecutive hydration reactions were identified (Speakman et al. 1967). (1) The reaction

$$9\ \gamma\text{-}Ca_2SiO_4 + 2\ H_2O \rightarrow Ca_8Si_5O_{18} + 2\ Ca_5(SiO_4)_2(OH)_2$$

was complete after three days at 180 °C and 20 bars. Reaction products were the new phase $Ca_8Si_5O_{18}$, which is the synthetic analog of the new mineral pavlovskyite described in this paper, plus calcio-chondrodite known as the mineral reinhardbraunsite. In other words, the alleged "γ-dicalcium silicate hydrate" turned out to be a mixture of two phases, both closely related to the olivine structure-type. (2) The hydration reaction of pavlovskyite:

$$4\ Ca_8Si_5O_{18} + H_2O \rightarrow 4.5\ Ca_6(SiO_4)(Si_3O_{10}) + Ca_5(SiO_4)_2(OH)_2$$

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was complete after seven days at 250 °C and 40 bars leading to kilchoanite and reinhardbraunsite. (3) The reaction

$$1.5\ Ca_6(SiO_4)(Si_3O_{10}) + 3\ Ca_5(SiO_4)_2(OH)_2 \rightarrow 4\ Ca_6(Si_2O_7)(SiO_4)(OH)_2$$

produced dellaite after three days at 600 °C and 200 bars.

In addition, Speakman et al. (1967) concluded that $Ca_8Si_5O_{18}$ is not an equilibrium product at any condition, and that $Ca_8Si_5O_{18}$ has an interstratified structure composed of alternate layers of kilchoanite and γ-Ca_2SiO_4 (calcio-olivine). Most astonishing, the structure of kilchoanite was not known in detail at this time but was only solved five years later by Taylor (1971). The structural predictions for $Ca_8Si_5O_{18}$ by Bennett et al. (1966) and Speakman et al. (1967) are based on similarities of the X-ray powder patterns and periodicities of selected-area electron diffraction patterns resembling both γ-Ca_2SiO_4 and kilchoanite. With the solved structure of kilchoanite, Taylor (1971) produced also a sketch of the $Ca_8Si_5O_{18}$ structure. The formula may be rewritten to $Ca_8(SiO_4)_2(Si_3O_{10})$ indicating the different SiO_4 entities. $Ca_8Si_5O_{18}$ has occasionally been described in cement materials (e.g., Mitsuda et al. 1985; Garbev et al. 2002; Yanagisawa et al. 2006; Meller et al. 2009), but its structure could not be refined because of the microcrystalline appearance of this compound. The structure of $Ca_{7.96}Cu_{0.04}Ge_5O_{18}$ (Redhammer et al. 2006) is isotypic with the $Ca_8Si_5O_{18}$ model presented by Taylor (1971).

Kilchoanite and calcio-olivine (γ-Ca_2SiO_4) are structural modules building pavlovskyite (Bennett et al. 1966; Taylor 1971), thus these minerals and their synthetic analogs deserve a short review.

The synthetic analog of kilchoanite began as phase Z synthesized by Roy (1958a, 1958b) and was initially believed to be of hydrous composition: $9CaO{\cdot}6SiO_2{\cdot}H_2O$. However, subsequent hydrothermal synthesis at 715 °C and 1.1 kbar produced an essentially anhydrous phase Z, which upon heating to 1090 °C transformed to rankinite, $Ca_3Si_2O_7$ (Roy et al. 1960). It was further assumed that at high-temperature synthesis-conditions phase Z actually represents a metastable product because long duration runs produced phase Y [dellaite, $Ca_6(Si_2O_7)(SiO_4)(OH)_2$] and wollastonite or foshagite (Roy et al. 1960). Metastable formation of phase Z may be favored due to its strong structural similarity to γ-Ca_2SiO_4, allowing heterogeneous nucleation.

Agrell and Gay (1961) reported the first natural occurrence of phase Z in limestones thermally metamorphosed by gabbro and named it kilchoanite after the close-by village in Ardnamurchan, Scotland. At this locality, kilchoanite occurs as a retrograde replacement product of rankinite. Kilchoanite is also described from skarns in the Lake Baikal area, Eastern Siberia, Russia (Savelyeva et al. 1992).

Records of an orthorhombic phase of Ca_2SiO_4 composition are first mentioned by Day et al. (1906). The name calcio-olivine for a synthetic compound was chosen when O'Daniel and Tscheischwili (1942) emphasized the structural relation of γ-Ca_2SiO_4 to the olivine group. Natural γ-Ca_2SiO_4 has been described before (e.g., Bridge 1966) but without detailed investigation allowing definition of a mineral species (Zadov et al. 2008). The mineral name calcio-olivine was approved in 2007 for a γ-Ca_2SiO_4 sample from the high-temperature skarns at Lakargi Mountain, Northern Caucasus, Kabardino-Balkaria, Russian Federation (Zadov et al. 2008). γ-Ca_2SiO_4 is the low-temperature polymorph of Ca_2SiO_4 but has a strong tendency of metastable formation at high temperature (Smith et al. 1965).

We present in this paper, besides the description of the new mineral pavlovskyite, a comparison of the kilchoanite and pavlovskyite structures from Birkhin skarns. New mineral status and mineral name pavlovskyite were approved by CNMNC IMA in January 2011. The mineral is named in memory of the well-known Russian geologist Pavlovsky Evgeny Vladimirovich (1901–1982). E.V. Pavlovsky is known for his geological work in Eastern Siberia (Belichenko et al. 2001, 2011). In 1941, he defended his habilitation with the topic "geological structure and geological history of the Baikal mountain region." He was one of the first scientists engaged in the geology of the Birkhin magmatic massif where we discovered pavlovskyite. In addition, E.V. Pavlovsky was one of the founders of the Irkutsk Scientific Centre of the Siberian branch of the Russian Academy of Science.

Pavlovskyite, an ortho-trisilicate $Ca_8(SiO_4)_2(Si_3O_{10})$, was almost simultaneously discovered at two Russian localities, at the Birkhin massif, Olkhon area, Baikal Lake (holotype material), and in the Upper Chegem caldera, Northern Caucasus, Kabardino-Balkaria (co-type material). In both cases, pavlovskyite occurs in altered silicate-carbonate xenoliths (skarns) included in igneous rocks.

The holotype sample of pavlovskyite (Birkhin) and a co-type specimen (Lakargi) are deposited in the collections of the Fersman Mineralogical Museum of the Russian Academy of Science, catalog numbers 4023/1 and 4024/1, respectively.

Occurrence

Pavlovskyite was detected in small (a few meters in diameter), altered silicate-carbonate xenoliths within the Birkhin gabbro massif (52.7°N 106.5°E). The Birkhin gabbroid massif (~500 Ma) is situated in the territory of Eastern Siberia within the Olkhon region, which includes the west coast of the Baikal Lake and Olkhon Island. The region is interpreted to be a portion of a collision system that was active in the Early Paleozoic. During this activity, several terranes accreted along the margins of the Siberian Craton (Donskaya et al. 2000). The structure of the Olkhon region is considered to be a stack of shear slabs composed of metamorphic and magmatic rocks (Fedorovsky et al. 2010; Fedorovsky and Sklyarov 2010).

Geological characterization, including a geological sketch of the area, is summarized by Lazic et al. (2011). They also introduce the new mineral galuskinite $Ca_7(SiO_4)_3CO_3$, which is associated with pavlovskyite. Skarns of the Birkhin gabbroid massif are famous for very large kilchoanite aggregates (Savelyeva et al. 1992).

Pavlovskyite forms in symmetric veins cutting calcio-olivine (larnite) skarn (Fig. 1a). The central part of these veins is composed of galuskinite and its low-temperature alteration products. Selvages consist of sub-parallel aggregates of fibrous pavlovskyite crystals (up to 0.3–0.4 mm in length, 10–30 μm thick) nucleating at the vein walls and dellaite, filling space between pavlovskyite crystals and separating it from calcio-olivine (Figs. 1a–1c). Occasionally, galuskinite veins are partially replaced by spurrite (or vice versa), and have a margin composed of

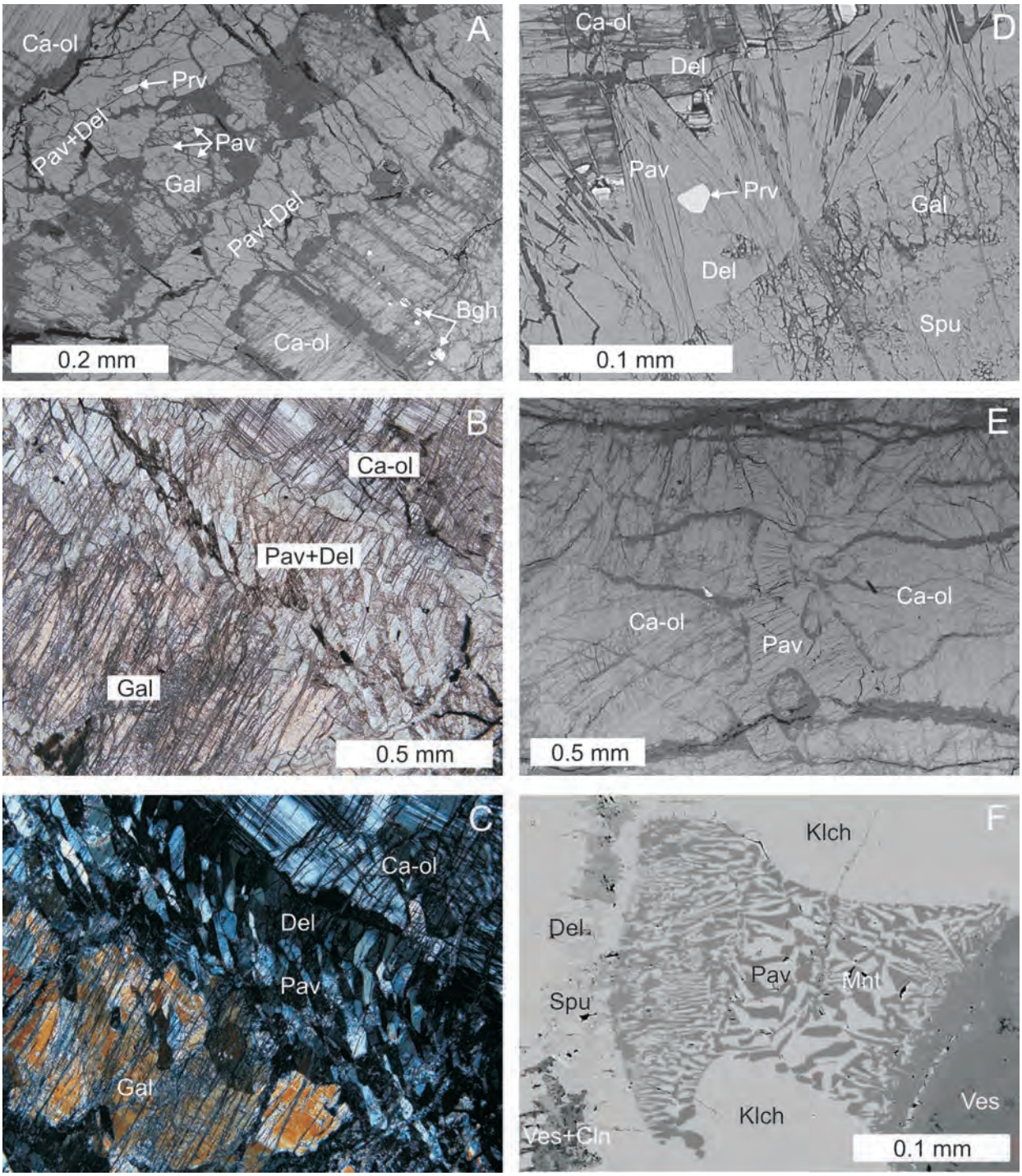

Figure 1. Birkhin massif: (**a**) Backscattered electron (BSE) image of a galuskinite vein cutting calcio-olivine skarn with symmetric selvages composed of aggregates of pavlovskyite and dellaite. (**b** and **c**) Microscopic image [(**b**) plane-polarized light, (**c**) crossed polarizers] of sub-parallel aggregates of elongate pavlovskyite crystals between galuskinite and calcio-olivine (after larnite). Dellaite occurs between pavlovskyite crystals and on boundary with calcio-olivine. (**d**) BSE image of pavlovskyite spherolites; the central part of the galuskinite vein is replaced by spurrite. (**e**) BSE image of a xenomorphic grain of pavlovskyite in calcio-olivine skarn. (**f**) BSE image of pavlovskyite-monticellite symplectite in kilchoanite skarns. Pav = pavlovskyite, Ca-ol = calico-olivine, Del = dellaite, Gal = galuskinite, Bgh = baghdadite, Prv = perovskite, Spu = spurrite, Ves = vesuvianite, Cln = clintonite, Klch = kilchoanite, Mnt = monticellite.

pavlovskyite spherolites growing into calcio-olivine (Fig. 1d). Rare amoeba-like, highly-fractured grains of pavlovskyite up to 1–2 mm in size occur in calcio-olivine (Fig. 1e). The following minerals are noted in Birkhin skarns: calcio-olivine, galuskinite, larnite, bredigite, merwinite, monticellite, spurrite, kilchoanite, dellaite, cuspidine, hydroxylellestadite, spinel, magnetite, members of the gehlenite-åkermanite series, garnet of the grossular-andradite-schorlomite-kerimasite series, baghdadite, chlorbartonite, pyrrhotite, clintonite, fluor- and hydroxylapatite, hillebrandite, perovskite, wollastonite, and vesuvianite.

The development of retrograde monticellite-dellaite symplectites is characteristic of mervinite-gehlenite high-temperature skarns at Birkhin (Armbruster et al. 2011). In retrograde kilchoanite skarns containing mervinite and gehlenite, pavlovskyite

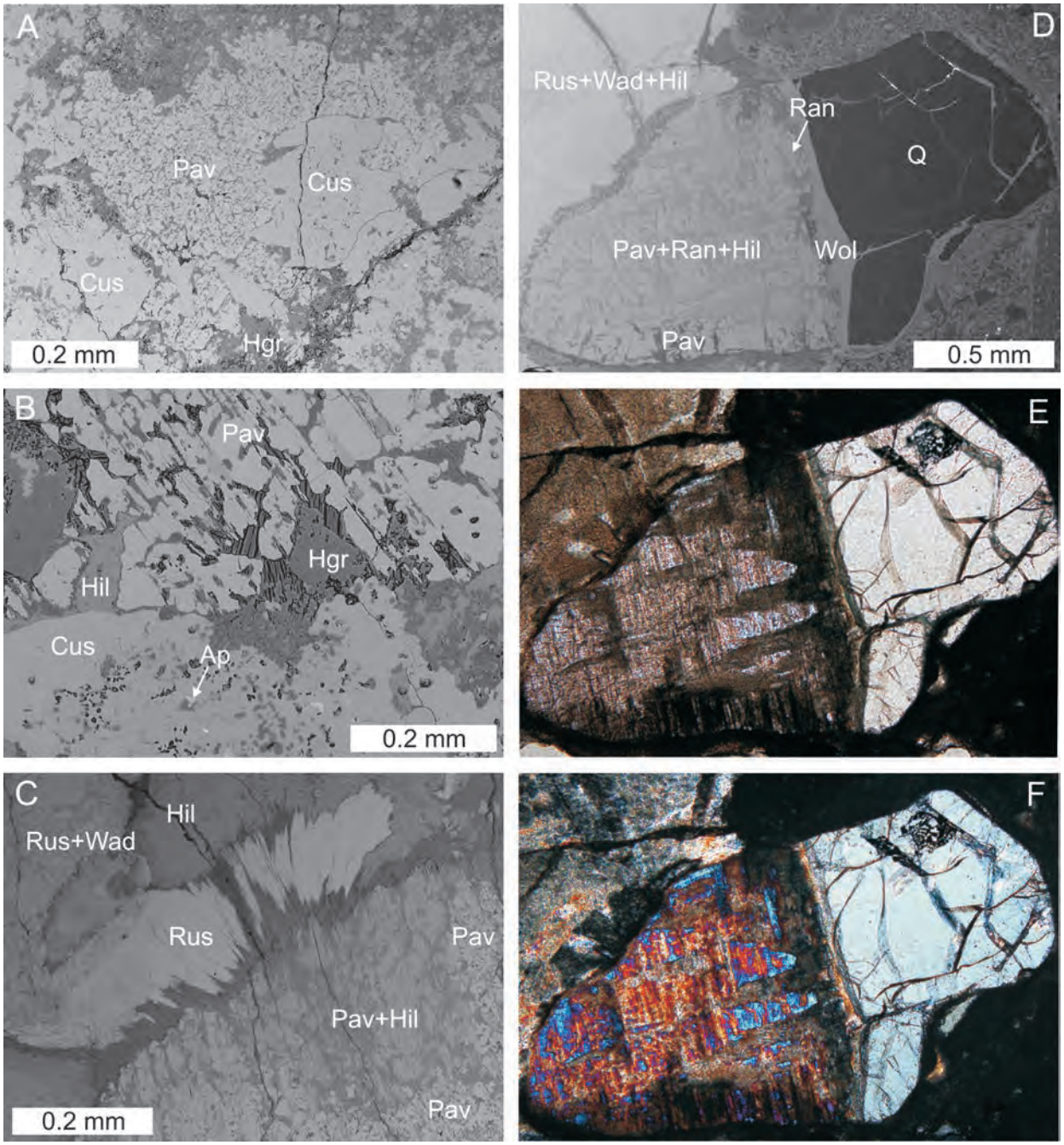

Figure 2. Upper Chegem caldera: (**a** and **b**) BSE images of aggregates of pavlovskyite in cuspidine skarn. (**c**) BSE image of pavlovskyite-hillebrandite aggregate (after rankinite) in a rusinovite zone of skarn. (**d**–**f**) Quartz grain on the boundary between ignimbrite and skarn, the grain is partially replaced by pavlovskyite, rankinite, wollastonite, and hillebrandite aggregates. (**d**) BSE, (**e**) plane-polarized light, (**f**) crossed polarizers. Pav = pavlovskyite, Rus = rusinovite, Ran = rankinite, Wol = wollastonite, Cus = cuspidine, Wad = wadalite, Hil = hillebrandite, Q = quartz, Ap = fluorapatite, Hgr = hydrogrossular.

and monticellite symplectites formed (Fig. 1f). Subsequently, pavlovskyite was replaced by dellaite.

Pavlovskyite was also discovered in the altered carbonate xenolith number 3 [numbering after Gazeev et al. (2006) and Galuskin et al. (2009)], which is confined to the Upper Chegem caldera situated at the junction of the Chegem and Kenstanty (right branch of the Baksan River) Rivers, Kabardino-Balkaria, North Caucasus, Russia (Gazeev et al. 2006; Galuskin et al. 2008). The high-temperature rocks in which pavlovskyite was found are skarned carbonate xenoliths located close to the divide on a small ridge between the Lakargi and Vorlan mountain peaks (coordinates 43°17′N 43°6′E). This is the type locality of lakargiite $CaZrO_3$, megawite $CaSnO_3$, chegemite $Ca_7(SiO_4)_3(OH)_2$, kumtyubeite $Ca_5(SiO_4)_2(OH)_2$, calcio-olivine γ-Ca_2SiO_4, vorlanite $CaUO_4$, toturite $Ca_3Sn_2SiFe_2O_{12}$, irinarassite $Ca_3Sn_2SiAl_2O_{12}$, bitikleite-(ZrFe) $Ca_3ZrSbFe_3O_{12}$, bitikleite-(SnAl) $Ca_3SnSbAl_3O_{12}$, bitikleite-(SnFe) $Ca_3SnSbFe_3O_{12}$, elbrusite-(Zr) $Ca_3UZrFe_3O_{12}$, magnesioneptunite $KNa_2LiMg_2Ti_2Si_8O_{24}$, and rusinovite $Ca_{10}(Si_2O_7)_3Cl_2$.

Pavlovskyite was detected as irregular grains in their characteristic skeletal form within cuspidine zones of the skarn with larnite relics (Figs. 2a–2b). Larnite zones, replaced by cuspidine, toward the contact with slightly altered ignimbrite are transformed to rankinite-wollastonite zones. In these zones pavlovskyite develops on rankinite (+wollastonite) pseudomorphs after quartz phenocrysts of the ignimbrite. This is especially evident for grains of partially replaced quartz on the boundary "skarn-ignimbrite" (Figs. 2d–2f). Here, pavlovskyite is associated with the recently described new mineral rusinovite $Ca_{10}(Si_2O_7)_3Cl_2$ (Figs. 2c–2d), which also develops after rankinite (Galuskin et al. 2011).

Early high-temperature minerals such as larnite, rankinite, wollastonite, wadalite, rondorfite, kerimasite, tazheranite, baddeleyite, lakargiite, perovskite, apatite, and magnesioferrite are preserved in association with pavlovskyite in Caucasian skarns. Secondary minerals include trabzonite, killalaite, hydrogarnet, hillebrandite, afwillite, tobermorite-like minerals, jennite, taumasite-ettringite, hydrocalumite, and other undetermined Ca-hydrosilicates.

Pavlovskyite from both localities has the same composition and physical properties. The mineral is colorless in thin section. In hand specimens it is white with white streak. The mineral is transparent with vitreous luster. It does not show fluorescence in UV light (250–350 nm); hardness (Mohs) = 6–6.5; VHN load 20 g, mean (3) = 520 kg/mm^2. Pavlovskyite is brittle with uneven cleavage on (001), irregular fracture. The mineral is biaxial (–), α = 1.656(2), β = 1.658(2), γ = 1.660(2) (589 nm), 2*V* (meas) = 80(5)°, 2*V* (calc) = 89.9°, medium dispersion: r > v, optical orientation: **X** = **b**, **Y** = **c**, **Z** = **a** (**a**, **b**, **c** according to *Pbcn* setting). Density (meas) = 2.97(2) g/cm^3 was determined by the sink and float method in heavy liquids, density (calc) = 2.998 g/cm^3 (Birkhin; Table 1, analysis 1); 2.996 g/cm^3 (Birkhin, Table 1,

TABLE 2. Crystal data for pavlovskyite and kilchoanite

Crystal data	Pavlovskyite	Kilchoanite
Unit-cell dimensions (Å)	*a* = 5.08510(10)	*a* = 11.4525(2)
	b = 11.4165(3)	*b* = 5.08670(10)
	c = 28.6408(8)	*c* = 21.9963(3)
Space group	*Pbcn* (no. 60)	*I*2cm (no. 46)
Volume (Å^3)	1662.71(7)	1281.40(4)
Z	4	4
Chemical formula	$Ca_8(SiO_4)_2(Si_3O_{10})$	$Ca_6(SiO_4)(Si_3O_{10})$
μ (mm^{-1})	2.996	2.945
Intensity measurement		
Crystal shape	prism	prism
Crystal size (mm)	0.05 × 0.04 × 0.02	0.15 × 0.05 × 0.05
Diffractometer	APEX II SMART	APEX II SMART
X-ray radiation	Mo*K*α	Mo*K*α
X-ray power	50 kV, 30 mA	50 kV, 30 mA
Monochromator	Graphite	Graphite
Temperature	293 K	293 K
Detector to sample distance	5.95 cm	5.95 cm
Measurement method	φ and ω scans	φ and ω scans
Radiation width	0.5°	0.5°
Total number of frames	2056	2589
Time per frame	30 s	30 s
Max. θ-range for data collection	30.5°	40.24°
Index ranges	$-6 \le h \le 7$	$-20 \le h \le 20$
	$-16 \le k \le 16$	$-9 \le k \le 9$
	$-34 \le l \le 40$	$-39 \le l \le 37$
No. of measured reflections	14962	18573
No. of unique reflections	2543	4083
No. of observed reflections [$I > 2\sigma(I)$]	1685	3757
Refinement of the structure		
No. of parameters used in refinement	143	118
R_{int}	0.0698	0.0331
$R\sigma$	0.0741	0.0259
$R1$, $I > 2\sigma(I)$	0.0387	0.0200
$R1$ all data	0.0699	0.0233
$wR2$ on (F^2)	0.1012	0.047
GooF	1.021	1.032
Δρ min (–e·Å^{-3})	–0.62 close to O5	–0.394 close to O2
Δρ max (e·Å^{-3})	0.57 close to O3	0.433 close to O5

TABLE 1. Chemical composition of pavlovskyite and kilchoanite from Russia

	1			2			3			4
	wt%	s.d.	range	wt%	s.d.	range	wt%	s.d.	range	
SiO_2	39.62	0.17	39.34–39.99	39.97	0.20	39.69–40.37	40.02	0.19	39.67–40.02	41.80
TiO_2	n.d.			n.d.			0.04	0.04	0–0.13	n.d.
MgO	0.05	0.02	0.03–0.09	0.05	0.03	0.02–0.09	0.01	0.01	0–0.04	n.d.
CaO	59.22	0.65	58.13–60.03	59.31	0.35	58.70–60.00	60.26	0.18	60.03–60.53	57.93
MnO	0.08	0.06	0–0.18	0.04	0.04	0–0.12	0.02	0.03	0–0.08	n.d.
FeO	0.18	0.06	0.06–0.27	0.36	0.09	0.18–0.50	0.07	0.07	0–0.20	n.d.
Total	99.15			99.73			100.42			99.73
Ca	7.988			7.949			8.029			5.976
Mn^{2+}	0.009			0.004			0.002			
Mg	0.009			0.009			0.002			
Fe^{2+}	0.019			0.038			0.007			
Si	4.988			5.000			4.976			4.024
Ti^{4+}							0.004			

Notes: 1 = Pavlovskyite from symmetrical veins with galuskinite and dellaite in calico-olivine skarn, Birkhin (mean of 23, Figs. 1a–1c); 2 = irregular pavlovskyite grains in calico-olivine, Birkhin (mean of 16, Fig. 1); 3 = pavlovskyite from Lakargi skarns (mean of 19, Figs. 2a–2b); 4 = kilchoanite from Birkhin (mean of 5).

analysis 2); 2.997 g/cm^3 (Lakargi, Table 1, analysis 3). Admixtures of calcio-olivine, dellaite, and kilchoanite have only minor bearing on the experimental density determination, because the latter minerals have densities (2.97–2.99 g/cm^3) very similar to pavlovskyite. The following Gladstone-Dale relationships were calculated [$1 - (K_p/K_c)$] = –0.049 (good, Birkhin; Table 1, analysis 1), –0.050 (good, Birkhin; Table 1, analysis 2), –0.049 (good, Lakargi; Table 1, analysis 3).

Analytical methods

The morphology and composition of pavlovskyite and associated minerals were investigated using a Philips/FEI ESEM XL30/EDAX scanning electron microscope (Faculty of Earth Sciences, University of Silesia) and a CAMECA SX100 (WDS mode, 15 kV, 10–20 nA, 1–3 μm beam diameter, Institute of Geochemistry, Mineralogy and Petrology, University of Warsaw). The following lines and standards were used for pavlovskyite analyses: Ca*K*α, Si*K*α = wollastonite; Mg*K*α = diopside; Mn*K*α = rhodonite; Ti*K*α = rutile; and Fe*K*α = hematite. Results are presented in Table 1.

Single-crystal X-ray studies on pavlovskyite were carried out using a Bruker APEX II SMART diffractometer (Mo*K*α, λ = 0.71073 Å) and gave the following data (orthorhombic, space group: *Pbcn*, *Z* = 4): Birkhin *a* = 5.0851(1), *b* = 11.4165(3), *c* = 28.6408(8) Å, *V* = 1662.71(7) Å^3 (holotype); Lakargi *a* = 5.0839(1), *b* = 11.4195(3), *c* = 28.6338(8) Å, *V* = 1662.35(7) Å^3 (co-type). Experimental details of the best crystal are summarized in Table 2. The best crystal of the holotype material (Birkhin) was only 0.05 mm in maximum dimension and showed minor admixtures of calcio-olivine and dellaite. Thus, the diffraction pattern of the major fragment has been manually separated from the admixtures. All studied crystals of co-type material (Upper Chegem Caldera) represented an oriented intergrowth of pavlovskyite and kilchoanite with superposition along **a** and **b** and distinct only by the periodicity along **c**. Thus, only cell dimensions are reported for the co-type material.

The structure refinement of end-member $Ca_6(SiO_4)(Si_3O_{10})$ kilchoanite (Taylor 1971) is of mediocre quality, including isotropic displacement parameters. As a result, we decided to re-collect a single-crystal X-ray data set of kilchoanite from the Birkhin deposit using the same experimental procedure as for pavlovskyite. For kilchoanite, atom labeling and space group *I2cm* (no. 46) setting was chosen according to Taylor (1971).

Diffraction data were collected with ω scans at different φ settings (φ-ω scan) (Bruker 1999). Data were processed using SAINT (Bruker 1999). An empirical absorption correction using SADABS (Sheldrick 1996) was applied. For pavlovskyite, the systematic absences were consistent with the space group *Pbcn* (no. 60). The structure was solved by direct methods with subsequent analyses of difference-Fourier maps. The pavlovskyite and kilchoanite structures were refined to R_1 = 3.87 and 2.00%, respectively, using neutral atom scattering factors and the program SHELX97 (Sheldrick 2008). All sites were refined with anisotropic displacement parameters. As the space group *I2cm* of kilchoanite is non-centrosymmetric, we refined inversion twinning converging to twin contributions of 79(2) and 21(2)%. For direct comparison with synthetic $Ca_6(GeO_4)(Ge_3O_{10})$, the pavlovskyite structure was refined in space group *Pbcn* (no. 60) and all atom labels and sites are chosen according to Redhammer et al. (2006). Thus for better comparison of pavlovskyite with kilchoanite **a** and **b** must be interchanged, corresponding to the space-group setting *Pcan* (Table 3). Atomic coordinates and anisotropic displacement param-

Table 3. Cell dimensions (Å) and refractive indices of olivine, pavlovskyite, and kilchoanite structure types in a setting with common orientation of the **a** and **b** axes

Structure type, setting	$CaO-SiO_2$	$CaO-GeO_2$
calcio-olivine	*a* = 11.21128(14) || α 1.633(3)–1.642(2)	*a* = 11.3919(7)
Pnam	*b* = 5.07389(7) || γ 1.645(3)–1.657(3)	*b* = 5.2424(3)
	c = 6.75340(9) || β 1.640(3)–1.653(2)	*c* = 6.77800(4)
	Cell dimensions and upper refractive indices (Zadov et al. 2008), lower refractive indices (Bridge 1966).	Redhammer et al. (2008)
Pavlovskyite	*a* = 11.4165(3) || α 1.656(2)	*a* = 11.6079(5)
Pcan	*b* = 5.0851(1) || γ 1.660(2)	*b* = 5.2436(2)
	c = 28.6408(8) || β 1.658(2)	*c* = 28.9238(11)
	This study	Redhammer et al. (2006)
Kilchoanite	*a* = 11.4525(2) || ? α 1.647(2)	
I2cm	*b* = 5.0867(1) || ? γ 1.650(2)	
	c = 21.9963(3) || ? β 1.649(2)	
	Cell dimensions (this study)	
	Refractive indices (Agrell and Gay 1961)	
	optical orientation (?) in analogy to pavlovskyite	
	synthetic $Ca_{4.66}Mn_{1.33}(SiO_4)(Si_3O_{11})$ (Kimata 1989)	
	a = 11.356(2)	
	b = 5.007(1)	
	c = 21.817(1)	

Note: Questionable optic orientations are indicated by "?".

Table 4. Atomic coordinates and isotropic equivalent displacement parameters (U_{eq}) for pavlovskyite, *Pbcn* setting

Atom	x	y	z	U_{eq}
Si1	0.57130(16)	0.40471(8)	0.44237(3)	0.01033(17)
Si2	0.44100(16)	0.59487(8)	0.32685(3)	0.01072(18)
Si3	0.5	0.76288(10)	0.25	0.0104(2)
Ca1	0.49692(12)	0.71708(5)	0.44226(2)	0.01152(13)
Ca2	0	0.5	0.5	0.01216(18)
Ca3	0.99397(13)	0.48889(6)	0.37768(2)	0.01380(14)
Ca4	0.50366(12)	0.28416(5)	0.33030(2)	0.01147(14)
Ca5	0	0.51645(8)	0.25	0.01329(18)
O1	0.7049(4)	0.53615(19)	0.44034(8)	0.0129(4)
O2	0.7027(4)	0.3358(2)	0.39786(8)	0.0138(5)
O3	0.7018(4)	0.34189(19)	0.48832(8)	0.0129(5)
O4	0.2523(4)	0.4051(2)	0.44082(8)	0.0124(4)
O5	0.3015(4)	0.6569(2)	0.37139(8)	0.0141(5)
O6	0.3092(4)	0.4676(2)	0.32021(9)	0.0142(5)
O7	0.3118(4)	0.67239(19)	0.28132(8)	0.0123(5)
O8	0.7570(4)	0.5992(2)	0.32323(8)	0.0129(5)
O9	0.6745(4)	0.8431(2)	0.28283(9)	0.0168(5)

Table 6. Atomic coordinates and isotropic equivalent displacement parameters (U_{eq}) for kilchoanite

Atom	x	y	z	U_{eq}
Ca1	0.01150(3)	0	0	0.00918(5)
Ca2	0.31064(3)	0.99909(6)	0.25	0.00740(5)
Ca3	0.03527(2)	0.00353(4)	0.168222(10)	0.00937(4)
Ca4	0.241867(19)	0.49751(4)	0.104083(10)	0.00734(4)
Si1	0.12152(4)	0.42774(8)	0.25	0.00589(7)
Si2	0.43213(3)	0.94159(6)	0.100328(14)	0.00624(5)
Si3	0.26486(4)	0	0	0.00626(7)
O1	0.18816(8)	0.29836(15)	0.19132(4)	0.00859(13)
O2	0.99064(11)	0.2935(2)	0.25	0.00872(19)
O3	0.12178(13)	0.7475(2)	0.25	0.00947(19)
O4	0.36993(8)	0.80255(16)	0.15865(4)	0.00880(13)
O5	0.05900(8)	0.69266(17)	0.09191(4)	0.00949(14)
O6	0.35498(8)	0.81255(16)	0.04103(4)	0.00821(12)
O7	0.42751(9)	0.25721(16)	0.09613(4)	0.00901(13)
O8	0.18431(8)	0.17820(17)	0.04188(4)	0.01153(14)

eters for pavlovskyite and kilchoanite are given in Tables 4–7 (Tables 5 and 7[1] as supplementary data), respectively. Corresponding interatomic distances are listed in Tables 8 and 9 (supplementary data[1]). Due to the small size (0.05 × 0.04 × 0.02 mm^3) of the "best" pavlovskyite crystal (used for structure refinement), which was additionally contaminated by admixtures of calcio-olivine and dellaite, the idea of collecting powder X-ray diffraction data had to be discarded. Instead, the X-ray powder pattern (Table 10, for Cu*K*α 1.540598 Å, supplementary data[1]) was calculated from crystal-structure data using the program LAZY PULVERIX (Yvon et al. 1977). This calculated powder-diffraction pattern corresponds to the measured diffraction pattern of synthetic analog of pavlovskyite $Ca_8(SiO_4)_2(Si_3O_{10})$ (JCPDS 29-0368) and is different from the one of kilchoanite [JCPDS 00-029-0370, strong lines 2.880(100) – 2.669(70) – 3.050(60) – 3.550(50) – 1.965(35)].

Raman spectra of crystals of pavlovskyite and kilchoanite were recorded using a Dilor XY spectrometer equipped with a 1800 line mm^{-1} grating monochromator, a charge-coupled device (CCD), Peltier-cooled detector (1024 × 256), and an Olympus BX40 confocal microscope (Bayerisches Geoinstitute, University of Bayreuth, Germany). The incident laser excitation was provided by a water-cooled argon laser-source operating at 514.5 nm. The power at the exit of a 100× objective lens varied from 30 to 50 mW. Raman spectra were recorded in backscatter geometry in the range 100–4000 cm^{-1} with resolution of 2 cm^{-1}. Collection times of 20 s and an accumulation of 5 scans were chosen. The monochromator was calibrated using the Raman scattering line of a silicon plate (520.7 cm^{-1}).

Vibrational spectra of both phases were calculated in the harmonic approximation at the Γ-point (Pascale et al. 2004) from fully relaxed energy optimizations of the crystal structures presented herein, using 3D-periodic density functional theory with Gaussian basis sets and the software CRYSTAL 09 (Dovesi et al. 2009). Calculations followed previously tested procedures (Többens and Kahlenberg 2011), using for the Hamiltonian a variation of the PBE0 hybrid functional (Adamo and Baronea 1999) with 1/6 Hartree-Fock contribution, a Pack-Monkhorst *k* net with 4 × 4 × 4 points in the Brillouin zone, and the following atomic basis sets: for calcium a 86-511G(21) contraction based on the 86-511G(3) contraction given by Catti et al. (1991), for silicon a 86-311G(1) contraction (Pascale et al. 2005), for oxygen a 8-411G(1) contraction based on the 8-411G contraction given by Towler et al. (1994). For all basis sets the exponents of the two most diffuse *sp* shells and of the most diffuse *d* shell have been optimized to the following values: *sp*(Ca) = 0.463, 0.279; *d*(Ca) = 0.343; *sp*(Si) = 0.333, 0.13; *d*(Si) = 0.682, 0.22; *sp*(O) = 0.460, 0.170; *d*(O) = 0.556. The lattice parameters of the fully relaxed structure were in very good agreement with the experimental values, with the calculated values 0.6 ± 0.1% too large; for the unit-cell volume the deviation was 1.8%. The agreement of the calculated Raman frequencies with the observed ones was very good, with maximum deviations of ±12 cm^{-1}. Tables of the observed and calculated frequencies and modes symmetries are given in the supporting information (Tables 11, 12, supplementary data[1]). Animations of all modes for the energy-optimized structures can be viewed using web-based software (Noel 2008; Canepa 2011) using the CRYSTAL output files, also provided as supplementary material.

Structure

In general, our investigations confirmed the correctness of the structure model proposed by Taylor (1971). Structures of pavlovskyite and kilchoanite differ by means of an additional module of $Ca_2(SiO_4)$ composition intercalated into the pavlovskyite structure (Fig. 3). The structure of pavlovskyite is best described as 1:1 polysome with kilchoanite and calcio-olivine (γ-Ca_2SiO_4) as end-members of the series. The modular structure of pavlovskyite and kilchoanite may also be described by following units: 2 × $Ca_2(SiO_4)$ and $Ca_4(Si_3O_{10})$; and $Ca_2(SiO_4)$ and $Ca_4(Si_3O_{10})$, respectively (Figs. 3 and 4).

The unit-cell dimensions of pavlovskyite in *Pcan* setting along **a** and **b** (Table 3) correspond to the related phases calcio-olivine and kilchoanite. The structure is built by infinite bands of Ca polyhedra along **c** connected by isolated SiO_4 tetrahedra and units of Si_3O_{10}. The Ca- and Si- polyhedra build up layers parallel to (010). These layers of edge and corner shearing polyhedra are stacked along **b** in an ABAB... sequence (Fig. 4). The structure contains three symmetrically independent Si sites. The Si1 tetrahedron belonging to the calcio-olivine module is the most regular one in terms of Si-O distances (Table 5). Oxygen atoms of all $Si1O_4$ apices are four-coordinate by additional three Ca

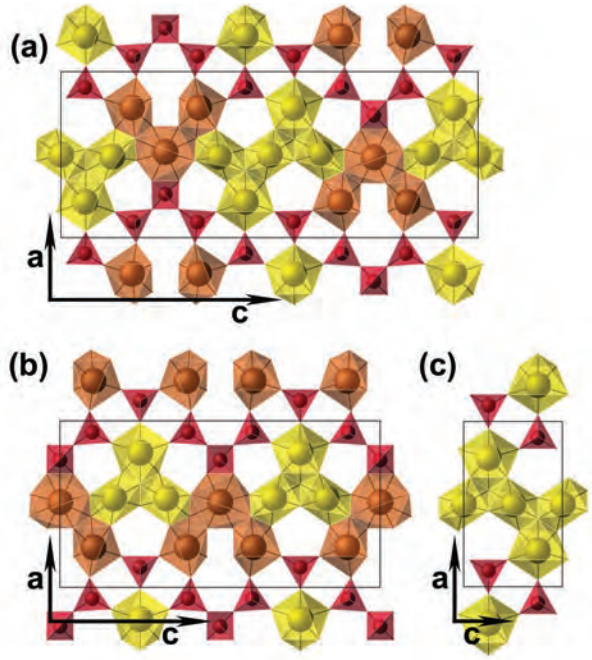

Figure 3. The structures of (**a**) pavlovskyite (*Pcan*), (**b**) kilchoanite (*I*2*cm*), and (**c**) calcio-olivine (*Pnam*) have two axes of the same dimension while the **c** axis varies. All of them show layer-like stacking along the 5 Å axis with a shift of ½ along the 11 Å axis. The view along the 5 Å axis shows that kilchoanite and pavlovskyite can be described as modules of Ca_2SiO_4 (calcio-olivine) in yellow and $Ca_4Si_3O_{10}$ modules in brown. The modules are connected by the Ca3-octahedra, belonging to both modules. One unit cell of kilchoanite consists of 2 × Ca_2SiO_4 and 2 × $Ca_4Si_3O_{10}$ while the unit cell of pavlovskyite is formed by 4 × Ca_2SiO_4 and 2 × $Ca_4Si_3O_{10}$.

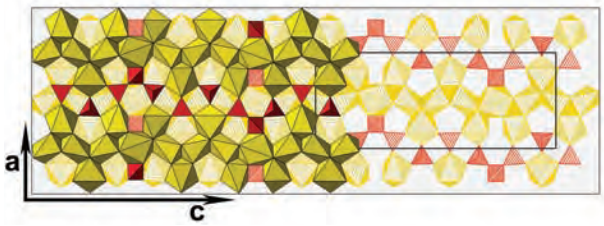

Figure 4. Structural drawing of pavlovskyite in space-group setting *Pcan* with SiO_4 tetrahedra in red and CaO_6 polyhedra in yellow, illustrating the ABAB... layer-stacking sequence along the **b** axis. The A-layer is drawn with solid polyhedra and is above the translucent, gray glide plane. The glide plane transforms the A-layer into the B-layer by the operation (x + 1/2, –y + 1/2, z). The B-layer, situated below the glide plane, is drawn with striped polyhedra.

[1] Deposit item AM-12-016, CIFs, Tables 5, 7–12. Deposit items are available two ways: For a paper copy contact the Business Office of the Mineralogical Society of America (see inside front cover of recent issue) for price information. For an electronic copy visit the MSA web site at http://www.minsocam.org, go to the *American Mineralogist* Contents, find the table of contents for the specific volume/issue wanted, and then click on the deposit link there.

sites. In projections along **b** (*Pcan* setting), the triangular base of the Si1 tetrahedron is built by O1, O2, and O3. This triangle fits in the cavity formed by the edge-sharing octahedra around Ca1, Ca2, and Ca3. The apex (O4) of the Si1 tetrahedron binds to the triple-point where three calcium octahedra meet. The Si1-O4 bond-length is the shortest, thus the O-Si1-O4 angles are slightly too wide compared to the ideal tetrahedral angle, whereas the angles at the triangular base are slightly too acute. Si2 and Si3 form the Si_3O_{10} entities with Si3 in the center and Si2 at both flanks. Si2 and Si2′ share O7 and O7′ with Si3. The Si2-O7-Si3 angle is 120.70(13)° and is thus identical to the corresponding Si2-O6-Si3 angle of 120.89(5)° in kilchoanite. Kilchoanite and pavlovskyite have also in common that the corresponding Si2-O6 (kilchoanite) and Si2-O7 (pavlovskyite) distances are long [1.7067(9) and 1.707(2) Å, respectively]. The reason is that the oxygen sites linking two tetrahedra bond additionally to two Ca sites thus the Si-O bonds are rather weak. The same argument also holds for the lengthened Si3-O6 (kilchoanite) and Si3-O7 (pavlovskyite) distances. The shortest Si-O distances (ca. 1.58 Å) in both structures are found for Si3-O8 (kilchoanite) and Si3-O9 (pavlovskyite) because corresponding oxygen sites are only three-coordinated and bond to two additional CaO_6 octahedra.

In pavlovskyite, the calcium sites Ca1–Ca4 are sixfold coordinated and form distorted octahedra with mean bond-lengths between 2.36 Å (Ca5) and 2.40 Å (Ca2). Ca5 is eightfold coordinated and shows a mean bond-length of ca. 2.5 Å. In kilchoanite, the corresponding eightfold-coordinated Ca site is labeled Ca1.

Raman spectroscopy study

Infrared spectra of kilchoanite and synthetic $Ca_8(SiO_4)_2(Si_3O_{10})$ (pavlovskyite analog) are essentially identical (Speakman et al. 1967), whereas Raman spectra of pavlovskyite and kilchoanite are differentiated by the position of the main bands (Fig. 5). Interpretation of the observed bands was done based on ab initio calculations of the vibrational spectra.

Symmetry-representation analysis gives the species of the modes for kilchoanite as $\Gamma = 37A_1 + 33\ A_2 + 35\ B_1 + 39\ B_2$. One mode A_1, B_1, B_2 each is an acoustic mode, all 141 optical modes are Raman active, and only the A_2 modes are IR inactive. The presence of double-active modes could give rise to LO-TO splitting in the Raman spectrum, which however was neither calculated nor observed. For pavlovskyite, the species of the modes are $\Gamma = 44A_g + 47\ A_u + 46\ B_{1g} + 49\ B_{1u} + 46\ B_{2g} + 49\ B_{2u} + 44\ B_{3g} + 47\ B_{3u}$. One B_{1u}, B_{2u}, B_{1u} mode each is acoustic. All 180 g-modes are Raman active, all optical B_u-modes are IR-active, and the A_u modes are silent.

In both compounds the bands in the region 0–450 cm^{-1} are Ca-O modes, while all bands above 450 cm^{-1} are dominated by Si-O displacements. The density of theoretically possible modes is too high to allow for an unequivocal assignment. The most distinctive difference between the Raman spectra of the compounds is the three medium-strong bands kilchoanite has in the region above 950 cm^{-1}. In contrast, pavlovskyite has only one strong band in this region (Fig. 5). In both minerals all modes in this region are *s*(Si-O) stretching modes of terminal oxygen atoms of the trimeric group. Whether they belong to the terminal or the central tetrahedron of the trimeric group is not clear. Both compounds are very similar in the strong bands (Fig. 5) at 858,

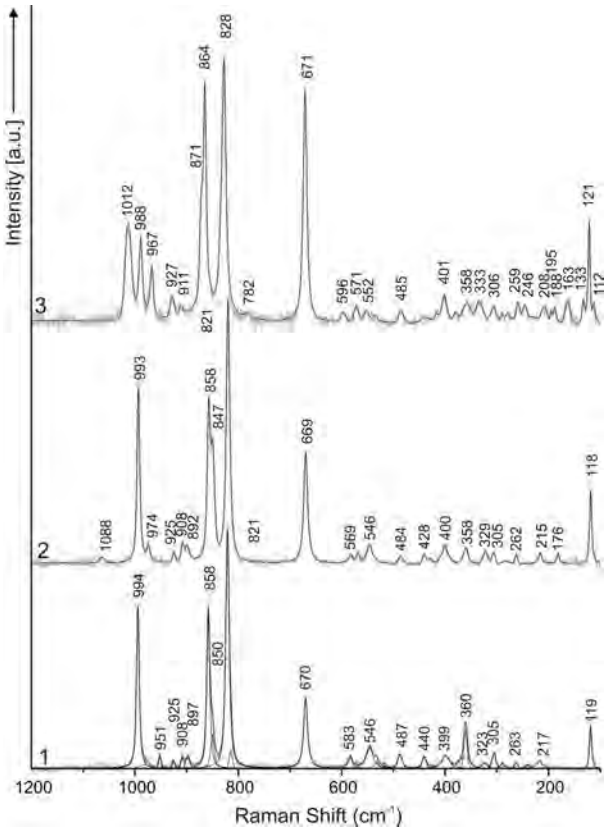

Figure 5. Raman spectra of pavlovskyite (1 = Birkhin, 2 = Lakargi) and kilchoanite (3 = Birkhin).

847, and 821 cm^{-1} (pavlovskyite), respectively 871, 864, and 828 cm^{-1} (kilchoanite). The modes contributing to these bands are *s*(Si-O) stretching modes of the isolated tetrahedra and/or terminal O atoms of the terminal tetrahedra of the trimers. The isolated band at 670 ± 1 cm^{-1} in both compounds is a *s*(Si-O-Si) mode (Fig. 5). The three silicon atoms in the trimeric group all move outward simultaneously, so that both Si-O bonds of the bridging oxygen are stretched. While there is some *b*(O-Si-O) bending, the stretching dominates the deformations. At 709 cm^{-1} both structures have theoretical modes, properly described as *s*(Si-O) stretching and *b*(O-Si-O) and *b*(Si-O-Si) bending, with all movements involving the bridging oxygen. The stretching of the two Si-O bonds is in counter-tact, and the bending motions are dominant. These modes belong to very weak bands at the detection limit.

It is interesting to compare this pattern with the corresponding bands in the Raman spectrum of α-$Y_2Si_2O_7$ (Kaindl et al. 2010), which also contains trimers and isolated SiO_4 tetrahedra. There, the strong band is at higher frequencies, at 728 cm^{-1}, a *b*(Si-O-Si) bending mode, and the weak band at 685 cm^{-1} is a *s*(Si-O) stretching mode. However, again the strong band results from vibrational modes in which the two Si-O bonds of the bridging oxygen stretch simultaneously, while in the modes of the weak band they are in counter-tact. It is thus the simultaneous stretching of the bridging Si-O bonds that gives rise to strong Raman bands. The position is defined by the geometry of the trimer.

In the structures described here it is bent, and the movements of the atoms result in stretching modes and corresponding high frequencies. In α-$Y_2Si_2O_7$, the trimers are stretched, giving the strong band a bending character with the corresponding lower frequencies.

Discussion

Pavlovskyite is a product of the interaction of hydrothermal fluids enriched in SiO_2 with calcio-olivine (or larnite) metasomatic rocks. As an example, in synthetic runs (Speakman et al. 1967) calcio-olivine reacted with SiO_2 (either quartz or amorphous silica) at 180 °C and 10 bars to form pavlovskyite. At 250 °C and 40 bars, additional SiO_2 reacts to replace pavlovskyite by kilchoanite (Speakman et al. 1967): $3\ Ca_8(SiO_4)_2(Si_3O_{10}) + SiO_2 \rightarrow 4\ Ca_6(SiO_4)(Si_3O_{10})$. Kilchoanite (Agrell 1965; Speakman et al. 1967) is believed to be stable at pressures of few hundred bars over a narrow temperature range at 600 °C. According to Agrell (1965), between 500 and 550 °C, dellaite and wollastonite are possibly the stable solid phases. For saturated steam pressures and the addition of SiO_2, kilchoanite may be stable at 180–350 °C. Both synthetic analogs of kilchoanite (Ca:Si = 1.5:1) and pavlovskyite (Ca:Si = 1.6:1) are formed as a result of a reaction of γ-Ca_2SiO_4 with SiO_2-bearing solutions (Bennett et al. 1966; Speakman et al. 1967).

Pavlovskyite (Ca:Si = 1.6:1) is easily distinguished by its composition from kilchoanite (Ca:Si = 1.5:1). Optical properties of pavlovskyite and kilchoanite are similar, but pavlovskyite has a larger $2V$ and does not show anomalous interference colors. In addition, X-ray diffraction methods and positions of main bands observed in Raman spectra (Fig. 5) enable distinction between pavlovskyite and kilchoanite.

Structural relations between pavlovskyite, kilchoanite, and calcio-olivine

Taylor (1971) showed that there are olivine-like slices intercalated in the structure of kilchoanite $Ca_6(SiO_4)(Si_3O_{10})$ and pavlovskyite $Ca_8(SiO_4)_2(Si_3O_{10})$. This raises the question of whether an independent $M_4^{2+}(Si_3O_{10})$ structure exists, which has similarity with the corresponding module in kilchoanite. In the review of trisilicate structures (Wierzbicka-Wieczorek et al. 2010), there is only kinoite $Cu_2Ca_2(Si_3O_{10})\cdot(H_2O)_2$ with fivefold-coordinated Cu^{2+} (Laughorn 1971) and a germanate $Ca_4(Ge_3O_{10})\cdot H_2O$ (Nevskii et al. 1978), which may possibly qualify as representing the kilchoanite-like $M_4^{2+}(Si_3O_{10})$ module. However, both hydrous structures are strongly different to the atomic arrangement in the $M_4^{2+}(Si_3O_{10})$ module of kilchoanite. Thus, this module in kilchoanite and pavlovskyite appears to be stabilized by the olivine-like slices acting as pillars.

Interestingly, in the CaO-GeO_2 phase diagram (Shirvinskaya et al. 1966) there is no kilchoanite analog of $Ca_6(GeO_4)(Ge_3O_{10})$ composition, however a pavlovskyite-like analog $Ca_8(GeO_4)_2(Ge_3O_{10})$, although Cu doped, has been synthesized (Redhammer et al. 2006). Thus in the related CaO-GeO_2 system, only the olivine-type structure of γ-$Ca_2(GeO_4)$ and the 1:1 polysome $Ca_8(GeO_4)_2(Ge_3O_{10})$ are known but not the second end-member $Ca_6(GeO_4)(Ge_3O_{10})$. As $Ca_8(GeO_4)_2(Ge_3O_{10})$ has been produced (Redhammer et al. 2006) 40 years after the first "complete" phase diagram (Shirvinskaya et al. 1966), it may well be that proper crystallization techniques or specific doping will lead to the kilchoanite analog, $Ca_6(GeO_4)(Ge_3O_{10})$.

The difference of angles and distances among the calcio-olivine-like modules in kilchoanite and pavlovskyite relative to the calcio-olivine structure are rather difficult to interpret due to the difference in symmetry. However, differences sum up in cell dimensions. The lengths of all *b* axes (ca. 5 Å, Table 3) of the listed calcium silicates are very similar. However, according to Table 3 the olivine-like modules in kilchoanite and pavlovskyite are parallel to **a** (11 Å axis), ca. 2% expanded relative to calcio-olivine. A corresponding behavior is observed for the isostructural phases in the system CaO-GeO_2. If the *c* periodicity of pavlovskyite and kilchoanite are subtracted, the *c* translation of the olivine module is obtained. This value of 6.6341 Å is significantly shorter (1.8%) than the *c* axis of calcio-olivine (Table 3). Thus the olivine-module expansion in pavlovskyite parallel to **a** is balanced by a compression parallel to **c.**

A surprising find is the distribution of Mn^{2+} in synthetic Mn-bearing kilchoanite (Kimata 1989). In olivine-group glaucochroite $CaMn(SiO_4)$, Mn^{2+} prefers the more symmetric M1 site, whereas Ca occupies M2 (Lager and Meagher 1978). The corresponding site to M1 in olivine is Ca2 in kilchoanite, whereas M2 in olivine corresponds to Ca3 in kilchoanite. Within the kilchoanite structure the preference is opposite; Ca3 has the strongest Mn^{2+} selectivity and there is no Mn^{2+} at Ca2 (Kimata 1989). It seems that the different Mn^{2+} order in kilchoanite compared to glaucochroite is due to strain reduction in the more complex kilchoanite structure.

Acknowledgments

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Table 5 (supplementary data). Anisotropic displacement parameters for pavlovskyite, *Pbcn* setting.

Atom	U_{11}	U_{22}	U_{33}	U_{23}	U_{13}	U_{12}
Si1	0.0098(3)	0.0098(4)	0.0113(4)	0.0006(4)	-0.0004(3)	0.0004(3)
Si2	0.0098(4)	0.0102(4)	0.0122(4)	0.0008(4)	-0.0001(3)	-0.0005(3)
Si3	0.0113(5)	0.0093(5)	0.0106(6)	0.000	-0.0009(5)	0.000
Ca1	0.0123(3)	0.0096(3)	0.0127(3)	0.0003(2)	0.0001(3)	-0.0002(2)
Ca2	0.0107(4)	0.0137(4)	0.0121(4)	-0.0021(3)	-0.0021(3)	-0.0007(3)
Ca3	0.0112(3)	0.0150(3)	0.0152(3)	0.0045(3)	0.0013(3)	0.0004(2)
Ca4	0.0116(3)	0.0100(3)	0.0128(3)	-0.0008(2)	0.0002(3)	-0.0005(2)
Ca5	0.0142(4)	0.0105(4)	0.0152(4)	0.000	0.0004(4)	0.000
O1	0.0121(9)	0.0107(10)	0.0158(12)	0.0013(10)	0.0005(9)	0.0002(8)
O2	0.0121(10)	0.0151(11)	0.0141(12)	-0.0018(10)	-0.0003(9)	0.0013(9)
O3	0.0124(10)	0.0126(11)	0.0138(12)	0.0006(10)	-0.0008(9)	0.0008(9)
O4	0.0082(9)	0.0151(11)	0.0140(11)	-0.0003(10)	-0.0007(8)	0.0018(8)
O5	0.0126(10)	0.0165(12)	0.0133(12)	-0.0004(10)	0.0004(9)	0.0006(9)
O6	0.0119(10)	0.0120(11)	0.0186(13)	-0.0001(10)	-0.0005(9)	0.0007(9)
O7	0.0096(9)	0.0126(11)	0.0146(12)	0.0016(10)	0.0005(9)	-0.0005(8)
O8	0.0109(9)	0.0123(11)	0.0155(12)	0.0021(10)	0.0002(8)	-0.0008(8)
O9	0.0176(11)	0.0130(11)	0.0199(14)	0.0005(10)	-0.0060(10)	0.0000(9)

Table 7 (supplementary data). Anisotropic displacement parameters for kilchoanite

Atom	U_{11}	U_{22}	U_{33}	U_{23}	U_{13}	U_{12}
Ca1	0.00699(12)	0.01065(12)	0.00991(12)	0.00053(9)	0.000	0.000
Ca2	0.00655(11)	0.00839(11)	0.00727(11)	0.000	0.000	0.00055(8)
Ca3	0.01124(9)	0.00687(7)	0.01001(8)	-0.00149(6)	-0.00375(7)	0.00010(6)
Ca4	0.00696(8)	0.00721(7)	0.00783(7)	-0.00018(6)	0.00062(6)	-0.00073(6)
Si1	0.00658(17)	0.00511(15)	0.00598(16)	0.000	0.000	-0.00013(13)
Si2	0.00661(12)	0.00527(10)	0.00685(11)	0.00003(8)	-0.00017(10)	0.00017(10)
Si3	0.00650(17)	0.00613(15)	0.00616(16)	-0.00015(12)	0.000	0.000
O1	0.0098(3)	0.0087(3)	0.0073(3)	0.0000(2)	0.0013(3)	0.0004(3)
O2	0.0064(5)	0.0091(5)	0.0106(5)	0.000	0.000	-0.0004(3)
O3	0.0118(5)	0.0061(4)	0.0105(5)	0.000	0.000	0.0003(4)
O4	0.0104(4)	0.0089(3)	0.0070(3)	0.0000(2)	0.0014(3)	-0.0010(2)
O5	0.0069(3)	0.0091(3)	0.0125(3)	-0.0010(3)	0.0007(3)	-0.0009(2)
O6	0.0097(3)	0.0075(3)	0.0074(3)	0.0003(2)	-0.0019(2)	-0.0001(2)
O7	0.0096(3)	0.0061(3)	0.0113(3)	-0.0001(2)	-0.0011(3)	0.0003(3)
O8	0.0089(3)	0.0125(3)	0.0132(4)	-0.0055(3)	0.0008(3)	-0.0001(3)

Table 8 (supplementary data). Bond distances for pavlovskyite

Cation	Anion	(Å)
Ca1	O1	2.321(2)
	O2	2.406(2)
	O3	2.330(2)
	O3	2.473(2)
	O4	2.493(2)
	O5	2.362(2)
Mean		**2.40**
Ca2	O1 2x	2.311(2)
	O3 2x	2.381(2)
	O4 2x	2.386(2)
Mean		**2.36**
Ca3	O1	2.382(2)
	O2	2.363(2)
	O4	2.431(2)
	O5	2.482(2)
	O6	2.310(2)
	O8	2.339(2)
Mean		**2.39**
Ca4	O2	2.262(2)
	O5	2.429(2)
	O6	2.334(2)
	O7	2.484(2)
	O8	2.445(2)
	O9	2.232(2)
Mean		**2.36**
Ca5	O6 2x	2.613(2)
	O7 2x	2.547(2)
	O8 2x	2.611(2)
	O9 2x	2.364(2)
Mean		**2.53**
Si1	O1	1.648(2)
	O2	1.640(3)
	O3	1.639(2)
	O4	1.623(2)
Mean		**1.64**
Si2	O5	1.623(3)
	O6	1.611(2)
	O7	1.707(2)
	O8	1.611(2)
Mean		**1.64**
Si3	O7 2x	1.670(2)
	O9 2x	1.584(2)
Mean		**1.63**

Table 10 (supplementary data). Calculated X-ray powder patterns for pavlovskyite (Debye-Scherrer geometry, black) and Taylor's data (bold, JCPDS 29-0368, *hkl* change for *Pbcn*), all for CuK*a* 1.540598.

h	k	l	2Θ	d_{hkl}	I_{cal}	$\boldsymbol{d_{hkl}}$	$\boldsymbol{I_{obs}}$
0	0	2	6.17	14.320	2		
0	2	0	15.51	5.708	3	**5.700**	**6**
0	2	1	15.82	5.598	1		
0	2	2	16.71	5.303	5	**5.300**	**3**
0	2	3	18.09	4.899	12	**4.907**	**12**
1	1	1	19.34	4.585	3	**4.584**	**3**
0	2	4	19.88	4.463	1		
1	1	2	20.08	4.419	2		
1	0	4	21.41	4.146	9	**4.156**	**11**
0	2	5	21.96	4.043	13	**4.051**	**17**
1	1	4	22.80	3.897	2		
1	2	1	23.62	3.764	8	**3.767**	**15**
1	1	5	24.65	3.608	39	**3.611**	**40**
0	0	8	24.85	3.580	5		
1	0	6	25.57	3.480	1		
1	2	4	26.55	3.355	3	**3.355**	**15**
1	1	6	26.76	3.329	4		
1	1	7	29.06	3.070	5		
1	3	0	29.29	3.047	67	**3.049**	**100**
0	2	8	29.43	3.033	11		
1	3	1	29.46	3.030	2		
1	3	2	29.96	2.980	2		
1	3	3	30.78	2.903	4	**2.909**	**8**
0	0	10	31.20	2.864	6	**2.876**	**5**
0	4	0	31.31	2.854	4		
0	4	1	31.47	2.840	2		
1	1	8	31.52	2.836	100	**2.843**	**75***
1	3	4	31.89	2.804	1		
0	4	3	32.72	2.735	8	**2.740**	**9**
1	3	5	33.28	2.690	70	**2.692**	**65**
0	2	10	35.02	2.560	2		
0	4	5	35.10	2.555	6	**2.559**	**2**
2	0	0	35.27	2.543	10	**2.546**	**20**
1	4	1	36.20	2.480	10	**2.483**	**25**
2	1	1	36.30	2.473	4	**2.445**	**30***
1	3	7	36.75	2.444	3		
1	2	9	36.82	2.439	17		
1	1	10	36.84	2.438	5		
1	4	3	37.31	2.408	2		
0	0	12	37.66	2.387	1		
1	4	4	38.25	2.351	1		
2	1	4	38.35	2.345	12	**2.349**	**25**
1	3	8	38.78	2.320	6	**2.326**	**9***
0	4	8	40.38	2.232	5	**2.235**	**6**
1	3	9	40.98	2.201	1		
2	2	5	41.94	2.152	2	**2.157**	**6**
1	5	0	43.41	2.083	3	**2.088**	**6***
1	5	3	44.48	2.035	3	**2.036**	**5**

0	4	10	44.79	2.022	1	**2.028**	**5***
1	2	12	44.82	2.021	2		
1	1	13	45.53	1.991	6	**1.992**	**11**
1	3	11	45.80	1.979	2		
1	5	5	46.34	1.958	1	**1.961**	**3**
2	2	8	46.57	1.949	38	**1.951**	**40**
2	0	10	47.80	1.901	5		
0	6	1	47.87	1.899	1		
2	4	0	47.87	1.899	18	**1.900**	**40***
2	4	1	47.99	1.894	1		
0	6	3	48.76	1.866	1	**1.865**	**8**
2	4	3	48.87	1.862	7		
0	6	5	50.50	1.806	13	**1.805**	**35**
2	2	10	50.55	1.804	8		
2	4	5	50.61	1.802	5		
1	5	8	50.66	1.800	11		
0	0	16	50.97	1.790	9		
1	3	13	51.12	1.785	8	**1.787**	**15**
0	4	13	52.42	1.744	11	**1.745**	**17***
2	0	12	52.55	1.740	2		
1	4	12	53.12	1.723	1		
0	2	16	53.61	1.708	4	**1.710**	**2**
0	6	8	54.57	1.680	13		
2	4	8	54.68	1.677	6	**1.679**	**20**
3	1	0	54.70	1.677	3		
1	1	16	54.92	1.670	2		
2	2	12	55.13	1.665	2	**1.660**	**5**
3	1	3	55.61	1.651	2	**1.653**	**5**
3	0	4	55.68	1.649	1		
3	2	1	56.69	1.622	1		
3	1	5	57.20	1.609	3		
2	0	14	57.80	1.594	1		
0	0	18	57.91	1.591	6		
0	6	10	58.16	1.585	4		
1	7	0	59.47	1.553	9		
3	3	0	59.67	1.548	4		
1	3	16	59.88	1.543	6		
1	7	3	60.33	1.533	2		
3	1	8	60.97	1.518	6		
0	4	16	61.05	1.517	3		
1	1	18	61.56	1.505	1		
3	3	5	62.04	1.495	7		
2	6	5	63.10	1.472	2		
2	0	16	63.51	1.464	3		
3	4	1	63.91	1.456	2		
3	2	9	64.32	1.447	5		
0	6	13	64.67	1.440	4		
2	4	13	64.77	1.438	3		
3	4	4	65.28	1.428	2		
1	3	18	66.21	1.410	2		
2	6	8	66.67	1.402	2		
1	5	16	69.14	1.358	3		
1	3	19	69.52	1.351	1		
0	8	8	71.05	1.326	1		

2	4	16	72.52	1.302	3
3	5	8	74.53	1.272	4
4	0	0	74.59	1.271	3
1	7	13	74.72	1.269	3
3	3	13	74.90	1.267	2
1	8	9	75.27	1.261	1
2	7	9	75.34	1.261	1
3	6	4	76.35	1.246	2
1	3	21	76.46	1.245	3
3	4	12	76.53	1.244	1
2	8	3	77.25	1.234	2
3	1	16	78.02	1.224	2
2	8	8	81.89	1.176	2
3	7	0	81.90	1.175	3
1	7	16	82.09	1.173	2
4	2	8	82.14	1.172	3
3	3	16	82.26	1.171	2
3	2	17	82.39	1.170	1
1	9	8	82.87	1.164	6
4	4	0	83.10	1.161	2
1	1	24	83.58	1.156	1
0	10	5	86.94	1.120	1
1	7	18	87.75	1.111	3
1	3	24	87.77	1.111	1
0	6	21	88.04	1.109	1
0	0	26	88.73	1.102	2
4	5	4	89.14	1.098	1
2	8	13	90.62	1.084	3
2	0	24	90.96	1.080	1
1	1	26	91.89	1.072	1
3	1	21	93.44	1.058	1
2	10	0	95.40	1.042	2
4	6	5	95.63	1.040	1
4	0	16	96.00	1.037	1
4	4	13	97.15	1.027	1
3	3	21	97.64	1.023	1
4	6	8	98.89	1.014	1
2	4	24	99.35	1.010	1

* - indexing errors

Table 9 (supplementary data). Bond distances for kilchoanite

Cation	Anion	(Å)
Ca1	O5 2x	2.6129(9)
Ca1	O6 2x	2.5603(9)
Ca1	O7 2x	2.6309(9)
Ca1	O8 2x	2.3637(9)
Mean		**2.54**
Ca2	O1 2x	2.4395(9)
Ca2	O2	2.3156(13)
Ca2	O3	2.5132(14)
Ca2	O4 2x	2.3449(9)
Mean		**2.40**
Ca3	O1	2.3608(9)
Ca3	O2	2.3819(8)
Ca3	O3	2.4318(9)
Ca3	O4	2.4605(9)
Ca3	O5	2.3220(9)
Ca3	O7	2.3492(9)
Mean		**2.38**
Ca4	O1	2.2553(9)
Ca4	O4	2.4493(9)
Ca4	O5	2.3331(9)
Ca4	O6	2.4839(9)
Ca4	O7	2.4587(10)
Ca4	O8	2.2237(9)
Mean		**2.37**
Si1	O1	1.6376(9)
Si1	O1	1.6377(9)
Si1	O2	1.6470(13)
Si1	O3	1.6265(12)
Mean		**1.64**
Si2	O4	1.6288(9)
Si2	O5	1.6160(10)
Si2	O6	1.7067(9)
Si2	O7	1.6090(9)
Mean		**1.64**
Si3	O6 2x	1.6700(9)
Si3	O8 2x	1.5879(9)
Mean		**1.63**

Table 10 (supplementary data). Calculated X-ray powder patterns for pavlovskyite (Debye-Scherrer geometry, black) and Taylor's data (bold, JCPDS 29-0368, *hkl* change for *Pbcn*), all for CuK*a* 1.540598.

h	k	l	2Θ	d_{hkl}	I_{cal}	$\boldsymbol{d_{hkl}}$	$\boldsymbol{I_{obs}}$
0	0	2	6.17	14.320	2		
0	2	0	15.51	5.708	3	**5.700**	**6**
0	2	1	15.82	5.598	1		
0	2	2	16.71	5.303	5	**5.300**	**3**
0	2	3	18.09	4.899	12	**4.907**	**12**
1	1	1	19.34	4.585	3	**4.584**	**3**
0	2	4	19.88	4.463	1		
1	1	2	20.08	4.419	2		
1	0	4	21.41	4.146	9	**4.156**	**11**
0	2	5	21.96	4.043	13	**4.051**	**17**
1	1	4	22.80	3.897	2		
1	2	1	23.62	3.764	8	**3.767**	**15**
1	1	5	24.65	3.608	39	**3.611**	**40**
0	0	8	24.85	3.580	5		
1	0	6	25.57	3.480	1		
1	2	4	26.55	3.355	3	**3.355**	**15**
1	1	6	26.76	3.329	4		
1	1	7	29.06	3.070	5		
1	3	0	29.29	3.047	67	**3.049**	**100**
0	2	8	29.43	3.033	11		
1	3	1	29.46	3.030	2		
1	3	2	29.96	2.980	2		
1	3	3	30.78	2.903	4	**2.909**	**8**
0	0	10	31.20	2.864	6	**2.876**	**5**
0	4	0	31.31	2.854	4		
0	4	1	31.47	2.840	2		
1	1	8	31.52	2.836	100	**2.843**	**75***
1	3	4	31.89	2.804	1		
0	4	3	32.72	2.735	8	**2.740**	**9**
1	3	5	33.28	2.690	70	**2.692**	**65**
0	2	10	35.02	2.560	2		
0	4	5	35.10	2.555	6	**2.559**	**2**
2	0	0	35.27	2.543	10	**2.546**	**20**
1	4	1	36.20	2.480	10	**2.483**	**25**
2	1	1	36.30	2.473	4	**2.445**	**30***
1	3	7	36.75	2.444	3		
1	2	9	36.82	2.439	17		
1	1	10	36.84	2.438	5		
1	4	3	37.31	2.408	2		
0	0	12	37.66	2.387	1		
1	4	4	38.25	2.351	1		
2	1	4	38.35	2.345	12	**2.349**	**25**
1	3	8	38.78	2.320	6	**2.326**	**9***
0	4	8	40.38	2.232	5	**2.235**	**6**
1	3	9	40.98	2.201	1		
2	2	5	41.94	2.152	2	**2.157**	**6**
1	5	0	43.41	2.083	3	**2.088**	**6***
1	5	3	44.48	2.035	3	**2.036**	**5**

0	4	10	44.79	2.022	1	**2.028**	**5***
1	2	12	44.82	2.021	2		
1	1	13	45.53	1.991	6	**1.992**	**11**
1	3	11	45.80	1.979	2		
1	5	5	46.34	1.958	1	**1.961**	**3**
2	2	8	46.57	1.949	38	**1.951**	**40**
2	0	10	47.80	1.901	5		
0	6	1	47.87	1.899	1		
2	4	0	47.87	1.899	18	**1.900**	**40***
2	4	1	47.99	1.894	1		
0	6	3	48.76	1.866	1	**1.865**	**8**
2	4	3	48.87	1.862	7		
0	6	5	50.50	1.806	13	**1.805**	**35**
2	2	10	50.55	1.804	8		
2	4	5	50.61	1.802	5		
1	5	8	50.66	1.800	11		
0	0	16	50.97	1.790	9		
1	3	13	51.12	1.785	8	**1.787**	**15**
0	4	13	52.42	1.744	11	**1.745**	**17***
2	0	12	52.55	1.740	2		
1	4	12	53.12	1.723	1		
0	2	16	53.61	1.708	4	**1.710**	**2**
0	6	8	54.57	1.680	13		
2	4	8	54.68	1.677	6	**1.679**	**20**
3	1	0	54.70	1.677	3		
1	1	16	54.92	1.670	2		
2	2	12	55.13	1.665	2	**1.660**	**5**
3	1	3	55.61	1.651	2	**1.653**	**5**
3	0	4	55.68	1.649	1		
3	2	1	56.69	1.622	1		
3	1	5	57.20	1.609	3		
2	0	14	57.80	1.594	1		
0	0	18	57.91	1.591	6		
0	6	10	58.16	1.585	4		
1	7	0	59.47	1.553	9		
3	3	0	59.67	1.548	4		
1	3	16	59.88	1.543	6		
1	7	3	60.33	1.533	2		
3	1	8	60.97	1.518	6		
0	4	16	61.05	1.517	3		
1	1	18	61.56	1.505	1		
3	3	5	62.04	1.495	7		
2	6	5	63.10	1.472	2		
2	0	16	63.51	1.464	3		
3	4	1	63.91	1.456	2		
3	2	9	64.32	1.447	5		
0	6	13	64.67	1.440	4		
2	4	13	64.77	1.438	3		
3	4	4	65.28	1.428	2		
1	3	18	66.21	1.410	2		
2	6	8	66.67	1.402	2		
1	5	16	69.14	1.358	3		
1	3	19	69.52	1.351	1		
0	8	8	71.05	1.326	1		

2	4	16	72.52	1.302	3
3	5	8	74.53	1.272	4
4	0	0	74.59	1.271	3
1	7	13	74.72	1.269	3
3	3	13	74.90	1.267	2
1	8	9	75.27	1.261	1
2	7	9	75.34	1.261	1
3	6	4	76.35	1.246	2
1	3	21	76.46	1.245	3
3	4	12	76.53	1.244	1
2	8	3	77.25	1.234	2
3	1	16	78.02	1.224	2
2	8	8	81.89	1.176	2
3	7	0	81.90	1.175	3
1	7	16	82.09	1.173	2
4	2	8	82.14	1.172	3
3	3	16	82.26	1.171	2
3	2	17	82.39	1.170	1
1	9	8	82.87	1.164	6
4	4	0	83.10	1.161	2
1	1	24	83.58	1.156	1
0	10	5	86.94	1.120	1
1	7	18	87.75	1.111	3
1	3	24	87.77	1.111	1
0	6	21	88.04	1.109	1
0	0	26	88.73	1.102	2
4	5	4	89.14	1.098	1
2	8	13	90.62	1.084	3
2	0	24	90.96	1.080	1
1	1	26	91.89	1.072	1
3	1	21	93.44	1.058	1
2	10	0	95.40	1.042	2
4	6	5	95.63	1.040	1
4	0	16	96.00	1.037	1
4	4	13	97.15	1.027	1
3	3	21	97.64	1.023	1
4	6	8	98.89	1.014	1
2	4	24	99.35	1.010	1

* - indexing errors

Table 11 (supplementary data). Observed Raman bands and calculated vibrational mode frequencies and symmetries of pavlovskyite

Observed frequencies for pavlovskyite from Birkhin / cm^{-1} uncertainty ±2 cm^{-1}	Observed frequencies for pavlovskyite from Lakargi / cm^{-1} / uncertainty ±2 cm^{-1}	Calculated frequencies with PBE(n=6) functional / cm^{-1} uncertainty ±12 cm^{-1}	Symmetry of calculated modes	Raman activity	IR activity
				A : active I : inactive	
--	--	47	AG	A	I
--	--	51	B1G	A	I
--	--	75	B2G	A	I
--	--	88	B2G	A	I
--	--	96	B3G	A	I
--	--	101	B1G	A	I
--	--	107	B1G	A	I
--	--	113	B3G	A	I
--	118	118	B2G	A	I
119	--	119	AG	A	I
--	--	123	B1G	A	I
--	--	128	B3G	A	I
--	--	130	B2G	A	I
--	--	133	B1G	A	I
--	--	144	AG	A	I
--	--	145	B2G	A	I
--	--	146	B2G	A	I
--	--	147	B3G	A	I
--	--	149	B1G	A	I
--	--	150	AG	A	I
--	--	153	AG	A	I
--	--	162	B3G	A	I
--	--	162	B1G	A	I
--	--	166	B2G	A	I
--	--	169	AG	A	I
--	--	176	B2G	A	I
--	176	176	B1G	A	I
--	--	177	B3G	A	I
--	--	180	B2G	A	I
--	--	180	B3G	A	I
--	--	185	B1G	A	I
--	--	191	AG	A	I
--	--	192	B2G	A	I
--	--	200	B1G	A	I
--	--	201	B2G	A	I
--	--	202	B1G	A	I
--	--	203	AG	A	I
--	--	205	B3G	A	I
--	--	208	B2G	A	I
--	--	210	AG	A	I
--	215	213	B3G	A	I

217	--	218	AG	A	I
--	--	220	B1G	A	I
--	--	221	B3G	A	I
--	--	222	AG	A	I
--	--	225	B2G	A	I
--	--	227	B1G	A	I
--	--	235	AG	A	I
--	--	238	B3G	A	I
--	--	240	B2G	A	I
--	--	242	AG	A	I
--	--	244	B3G	A	I
--	--	248	B2G	A	I
--	--	248	B1G	A	I
--	--	250	B2G	A	I
--	--	254	B1G	A	I
--	--	254	B3G	A	I
--	--	257	B3G	A	I
--	--	260	AG	A	I
--	--	261	AG	A	I
--	--	261	B1G	A	I
263	262	262	B3G	A	I
--	--	266	B2G	A	I
--	--	267	AG	A	I
--	--	269	B1G	A	I
--	--	270	AG	A	I
--	--	274	B1G	A	I
--	--	275	B3G	A	I
--	--	278	B2G	A	I
--	--	282	B2G	A	I
--	--	283	B3G	A	I
--	--	284	B2G	A	I
--	--	287	AG	A	I
--	--	290	B1G	A	I
--	--	294	B3G	A	I
--	--	300	AG	A	I
--	--	302	B3G	A	I
--	--	302	B1G	A	I
305	305	304	B1G	A	I
--	--	307	B2G	A	I
--	--	310	AG	A	I
--	--	310	B3G	A	I
--	--	318	B2G	A	I
--	--	319	B1G	A	I
--	--	320	B1G	A	I
--	--	321	AG	A	I
323	--	322	B3G	A	I
--	329	333	B2G	A	I
--	--	336	B3G	A	I
--	--	341	AG	A	I
--	--	342	B1G	A	I
--	--	343	B2G	A	I

--	--	352	AG	A	I
--	--	353	B1G	A	I
--	--	353	B3G	A	I
360	358	363	B2G	A	I
--	--	369	AG	A	I
--	--	377	B3G	A	I
--	--	382	B1G	A	I
--	--	388	B2G	A	I
--	--	390	AG	A	I
--	--	394	B2G	A	I
--	--	396	B1G	A	I
399	400	399	B3G	A	I
--	--	402	B2G	A	I
--	--	404	B1G	A	I
--	--	408	AG	A	I
--	--	421	B3G	A	I
--	--	424	B1G	A	I
--	428	428	B3G	A	I
--	--	430	B2G	A	I
--	--	435	B1G	A	I
--	--	435	B2G	A	I
440	--	437	AG	A	I
--	--	476	B1G	A	I
--	--	477	B3G	A	I
487	484	481	AG	A	I
--	--	502	B3G	A	I
--	--	507	B2G	A	I
--	--	512	AG	A	I
--	--	517	B1G	A	I
--	--	523	B3G	A	I
--	--	531	B1G	A	I
--	--	531	B2G	A	I
--	--	533	AG	A	I
--	--	535	B2G	A	I
546	546	544	AG	A	I
--	--	548	B2G	A	I
--	--	554	AG	A	I
--	--	556	B1G	A	I
--	--	556	B3G	A	I
--	--	559	B3G	A	I
--	--	566	B2G	A	I
--	--	567	AG	A	I
--	--	567	B2G	A	I
--	569	571	B1G	A	I
--	--	576	B3G	A	I
--	--	577	AG	A	I
583	--	578	B1G	A	I
--	--	589	B3G	A	I
670	669	668	AG	A	I
--	--	678	B3G	A	I
--	--	709	B2G	A	I

--	--	709	B1G	A	I
--	--	814	B2G	A	I
--	--	814	AG	A	I
--	--	818	B1G	A	I
821	821	823	B3G	A	I
--	--	827	B1G	A	I
--	--	844	B3G	A	I
--	--	847	B2G	A	I
--	847	847	AG	A	I
850	--	850	B1G	A	I
--	--	852	AG	A	I
--	--	853	B3G	A	I
858	858	855	B2G	A	I
--	--	885	B3G	A	I
--	--	887	B1G	A	I
--	892	894	AG	A	I
897	--	894	B1G	A	I
--	--	900	B2G	A	I
--	--	906	AG	A	I
--	--	907	B3G	A	I
908	908	908	B2G	A	I
925	925	929	B2G	A	I
--	--	929	AG	A	I
--	--	933	B1G	A	I
--	--	933	B3G	A	I
--	--	951	AG	A	I
951	--	951	B1G	A	I
--	--	952	B2G	A	I
--	--	956	B3G	A	I
--	974	975	AG	A	I
--	--	983	B1G	A	I
--	--	983	B2G	A	I
994	993	993	AG	A	I
--	--	1001	B3G	A	I
--	--	1014	B3G	A	I
--	--	1038	B1G	A	I
--	--	1060	B2G	A	I
--	1088	--	probably impurity		
--	--	-3	B2U	acoustic mode	
--	--	-2	B1U	acoustic mode	
--	--	-2	B3U	acoustic mode	
--	--	42	B1U	I	A
--	--	67	B3U	I	A
--	--	77	B2U	I	A
--	--	91	B2U	I	A
--	--	97	B3U	I	A
--	--	106	B1U	I	A
--	--	111	B2U	I	A
--	--	113	B1U	I	A
--	--	121	B3U	I	A
--	--	123	B2U	I	A

--	--	125	B1U	I	A
--	--	131	B1U	I	A
--	--	135	B2U	I	A
--	--	141	B3U	I	A
--	--	145	B1U	I	A
--	--	149	B2U	I	A
--	--	152	B1U	I	A
--	--	159	B3U	I	A
--	--	159	B2U	I	A
--	--	173	B2U	I	A
--	--	175	B1U	I	A
--	--	178	B2U	I	A
--	--	181	B3U	I	A
--	--	181	B3U	I	A
--	--	183	B1U	I	A
--	--	185	B1U	I	A
--	--	191	B1U	I	A
--	--	192	B3U	I	A
--	--	193	B2U	I	A
--	--	195	B2U	I	A
--	--	202	B1U	I	A
--	--	205	B3U	I	A
--	--	210	B2U	I	A
--	--	210	B1U	I	A
--	--	213	B3U	I	A
--	--	216	B3U	I	A
--	--	217	B2U	I	A
--	--	222	B2U	I	A
--	--	223	B1U	I	A
--	--	229	B1U	I	A
--	--	231	B3U	I	A
--	--	235	B3U	I	A
--	--	247	B2U	I	A
--	--	248	B3U	I	A
--	--	254	B1U	I	A
--	--	257	B2U	I	A
--	--	258	B2U	I	A
--	--	259	B3U	I	A
--	--	262	B1U	I	A
--	--	264	B3U	I	A
--	--	269	B1U	I	A
--	--	270	B2U	I	A
--	--	272	B3U	I	A
--	--	274	B1U	I	A
--	--	275	B2U	I	A
--	--	278	B1U	I	A
--	--	280	B3U	I	A
--	--	282	B3U	I	A
--	--	285	B2U	I	A
--	--	289	B1U	I	A
--	--	297	B2U	I	A

--	--	303	B3U	I	A
--	--	307	B1U	I	A
--	--	308	B2U	I	A
--	--	309	B3U	I	A
--	--	314	B2U	I	A
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--	--	322	B1U	I	A
--	--	323	B3U	I	A
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--	--	343	B3U	I	A
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--	--	352	B3U	I	A
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--	--	389	B2U	I	A
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--	--	429	B1U	I	A
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--	--	437	B1U	I	A
--	--	439	B3U	I	A
--	--	474	B2U	I	A
--	--	475	B1U	I	A
--	--	482	B3U	I	A
--	--	506	B2U	I	A
--	--	511	B1U	I	A
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--	--	516	B2U	I	A
--	--	519	B3U	I	A
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--	--	530	B2U	I	A
--	--	539	B3U	I	A
--	--	540	B1U	I	A
--	--	550	B3U	I	A
--	--	560	B2U	I	A
--	--	561	B1U	I	A
--	--	563	B3U	I	A
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--	--	577	B3U	I	A

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--	--	183	AU	I	I
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--	--	196	AU	I	I
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--	--	227	AU	I	I
--	--	236	AU	I	I
--	--	242	AU	I	I
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--	--	259	AU	I	I
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--	--	1001	AU	I	I
--	--	1014	AU	I	I

Table 12 (supplementary data). Observed Raman bands and calculated vibrational mode frequencies and symmetries of kilchoanite

Observed frequencies for pavlovskyite from Birkhin / cm^{-1} uncertainty ±2 cm^{-1}	Calculated frequencies with PBE(n=6) functional / cm^{-1} uncertainty ±12 cm^{-1}	Symmetry of calculated modes	Raman activity	IR activity
			A : active I : inactive	
--	-2	B2	acoustic mode	
--	-2	A1	acoustic mode	
--	-2	B1	acoustic mode	
--	91	B1	A	A
--	94	B2	A	A
--	100	A2	A	I
--	111	A2	A	I
112	113	B2	A	A
--	115	B1	A	A
--	117	A1	A	A
121	126	B1	A	A
--	127	A1	A	A
--	129	A2	A	I
133	130	B2	A	A
--	143	B1	A	A
--	145	B2	A	A
--	147	A2	A	I
--	150	A1	A	A
--	153	B2	A	A
--	157	A1	A	A
163	163	B1	A	A
--	165	A2	A	I
--	170	B2	A	A
--	175	B1	A	A
--	180	B2	A	A
--	182	B1	A	A
--	182	A2	A	I
188	185	A1	A	A
--	192	B2	A	A
195	194	B1	A	A
--	200	A2	A	I
--	200	A1	A	A
--	203	B1	A	A
--	208	B2	A	A
--	208	A1	A	A
208	209	B1	A	A
--	221	A2	A	I
--	222	A1	A	A
--	224	B2	A	A
--	232	A1	A	A
--	234	B1	A	A
--	242	A2	A	I
--	244	B2	A	A

246	246	A1	A	A
--	246	B2	A	A
--	248	A2	A	I
--	253	A1	A	A
--	254	A2	A	I
--	254	B2	A	A
--	255	B1	A	A
259	258	A1	A	A
--	259	A2	A	I
--	264	A2	A	I
--	270	B1	A	A
--	271	A1	A	A
--	273	B2	A	A
--	279	B1	A	A
--	281	A1	A	A
--	285	B1	A	A
--	285	A2	A	I
--	285	B2	A	A
--	297	B2	A	A
--	299	A2	A	I
--	299	A1	A	A
306	304	B2	A	A
--	309	B1	A	A
--	320	B2	A	A
--	320	A1	A	A
--	321	A2	A	I
--	329	A2	A	I
--	330	B1	A	A
333	337	B1	A	A
--	341	A1	A	A
--	344	B2	A	A
--	349	A1	A	A
--	352	B1	A	A
358	357	A2	A	I
--	361	B2	A	A
--	363	A1	A	A
--	374	A2	A	I
--	387	B1	A	A
--	387	B2	A	A
--	397	B2	A	A
--	398	B1	A	A
401	399	A1	A	A
--	413	B2	A	A
--	413	A2	A	I
--	421	B1	A	A
--	425	A2	A	I
--	431	B1	A	A
--	433	A1	A	A
--	438	B2	A	A
--	472	B1	A	A
--	477	A2	A	I

--	481	B2	A	A
485	483	A1	A	A
--	498	A2	A	I
--	510	A1	A	A
--	512	B1	A	A
--	514	B2	A	A
--	522	A2	A	I
--	531	A1	A	A
--	534	B2	A	A
--	540	B1	A	A
552	549	A1	A	A
--	556	A2	A	I
--	566	A1	A	A
--	568	B2	A	A
571	568	B1	A	A
--	577	B2	A	A
--	579	A1	A	A
596	588	A2	A	I
671	669	A1	A	A
--	679	A2	A	I
--	708	B1	A	A
--	710	B2	A	A
782	--	probably impurity		
--	821	B2	A	A
--	821	A1	A	A
--	825	B1	A	A
828	831	B2	A	A
--	848	A2	A	I
--	851	A1	A	A
864	864	A1	A	A
871	882	B2	A	A
--	885	A2	A	I
--	889	B1	A	A
--	896	B2	A	A
--	898	A1	A	A
--	904	A2	A	I
911	916	B1	A	A
--	923	B1	A	A
927	932	A1	A	A
--	935	B2	A	A
--	948	A1	A	A
--	949	A2	A	I
967	960	B2	A	A
--	975	A1	A	A
--	978	B1	A	A
988	982	B2	A	A
--	995	A1	A	A
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--	1044	B1	A	A

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 F^2^ > 2sigma(F^2^) is used only for calculating R-factors(gt) etc. and is
 not relevant to the choice of reflections for refinement.  R-factors based
 on F^2^ are statistically about twice as large as those based on F, and R-
 factors based on ALL data will be even larger.
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O6 O 0.35498(8) 0.81255(16) 0.04103(4) 0.00821(12) Uani 1 1 d . . .
O7 O 0.42751(9) 0.25721(16) 0.09613(4) 0.00901(13) Uani 1 1 d . . .
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Si1 0.00658(17) 0.00511(15) 0.00598(16) 0.000 0.000 -0.00013(13)
Si2 0.00661(12) 0.00527(10) 0.00685(11) 0.00003(8) -0.00017(10) 0.00017(10)
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Ca3 O7 2.3492(9) 7_454 ?
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Ca4 Si2 Ca2 71.181(9) 1_565 . ?
O8 Si3 O8 108.95(7) 2 . ?
O8 Si3 O6 111.81(4) 2 2_565 ?
O8 Si3 O6 110.28(4) . 2_565 ?
O8 Si3 O6 110.28(4) 2 1_545 ?
O8 Si3 O6 111.81(4) . 1_545 ?
O6 Si3 O6 103.66(6) 2_565 1_545 ?
O8 Si3 Ca1 54.48(3) 2 . ?
O8 Si3 Ca1 54.48(3) . . ?
O6 Si3 Ca1 128.17(3) 2_565 . ?
O6 Si3 Ca1 128.17(3) 1_545 . ?
O8 Si3 Ca4 31.26(3) 2 2 ?
O8 Si3 Ca4 139.94(4) . 2 ?
O6 Si3 Ca4 96.21(3) 2_565 2 ?
O6 Si3 Ca4 89.25(3) 1_545 2 ?
Ca1 Si3 Ca4 85.587(8) . 2 ?
O8 Si3 Ca4 139.94(4) 2 . ?
O8 Si3 Ca4 31.26(3) . . ?
O6 Si3 Ca4 89.25(3) 2_565 . ?
O6 Si3 Ca4 96.21(3) 1_545 . ?
Ca1 Si3 Ca4 85.587(8) . . ?
Ca4 Si3 Ca4 171.174(16) 2 . ?
O8 Si3 Ca4 89.63(3) 2 2_565 ?
O8 Si3 Ca4 85.27(3) . 2_565 ?
O6 Si3 Ca4 42.58(3) 2_565 2_565 ?
O6 Si3 Ca4 146.19(4) 1_545 2_565 ?
Ca1 Si3 Ca4 85.611(8) . 2_565 ?
Ca4 Si3 Ca4 95.641(6) 2 2_565 ?
Ca4 Si3 Ca4 83.682(6) . 2_565 ?
O8 Si3 Ca4 85.27(3) 2 1_545 ?
O8 Si3 Ca4 89.63(3) . 1_545 ?

```
date Sun May 15 15:12:55 CEST 2011
master hostname n025.leo1
master system Linux n025.leo1 2.6.18-194.17.4.el5 #1 SMP Mon Oct 25 15:50:53 EDT 2010
x86_64 x86_64 x86_64 GNU/Linux
user c71460
output data in /mnt/x4540/hpc-scratch/c71460/leo1/Kilchoanite/Kilchoanite-FREQ.out
mpirun executable in /usr/site/hpc/x86_64/glibc-2.5/italy/openmpi/1.3.3/intel-11.0/bin
Pcrystal executable in /usr/site/hpc/x86_64/glibc-2.5/italy/crystal/09/intel-
11.0/bin/Linux-ifort-11.1_amd64/v1_0_1
input data in /mnt/x4540/hpc-scratch/c71460/leo1/Kilchoanite/tmp_p635_c71460/Kilchoanite-
FREQ.d12
creating temporary directories /mnt/x4540/hpc-
scratch/c71460/leo1/Kilchoanite/tmp_p635_c71460
copying input file to file INPUT
CRYSTAL data /mnt/x4540/hpc-scratch/c71460/leo1/Kilchoanite/tmp_p635_c71460/Kilchoanite-
FREQ.f9 not found or empty
Kilchoanite Ca6Si4O14, PBE(n=6) optimized
CRYSTAL
1 0 0
 I 2 c m
     11.51157168     5.11889300    22.14018122
15
 20       0.01341400807606   0.00000000000000   0.00000000000000
 20      -0.18988564754360   0.49932888173250  -0.25000000000000
 20       0.03436291191189   0.00264016275672   0.16869678919570
 20       0.24164783639260   0.49581582745780   0.10443527971780
 14       0.12054386308280   0.42745058464320   0.25000000000000
 14       0.43243645957090  -0.05850746031668   0.10096369227420
 14       0.26626629474170   0.00000000000000   0.00000000000000
  8       0.18699756077950   0.29541675787570   0.19138789504950
  8      -0.01049268744451   0.29098828265610   0.25000000000000
  8       0.12106639939790  -0.25282524125600   0.25000000000000
  8       0.36991849441090  -0.20053804553820   0.15892549753910
  8       0.05951388770774  -0.30639179656580   0.09282489935314
  8       0.35598442766570  -0.18748314609190   0.04132384675531
  8       0.42753560979460   0.25735035238450   0.09697871540298
  8       0.18477669661110   0.17955547865860   0.04132421742051
FREQCALC
RESTART
ANALYSIS
ENDFREQ
END
20 7                     ! Ca(2+) 86-511G(21), optimized in Ca6Si4O14 with PBE(n=6)
0  0  8  2.0  1.0
  191300.0       0.0002204
   26970.0       0.001925
    5696.0       0.01109
    1489.4       0.04995
     448.3       0.17014
     154.62      0.3685
      60.37      0.4034
      25.09      0.1452
0  1  6  8.0  1.0
     448.6      -0.00575  0.00847
     105.7      -0.0767   0.06027
      34.69     -0.1122   0.2124
      13.50      0.2537   0.3771
       5.820     0.688    0.401
       1.819     0.349    0.198
0  1  5  8.0  1.0
```

```
      20.75     -0.0020  -0.0365
       8.40     -0.1255  -0.0685
       3.597    -0.6960   0.1570
       1.408     1.029    1.482
       0.726     0.944    1.025
0  1  1  0.0  1.0
       0.463     1.0000   1.0000
0  1  1  0.0  1.0
       0.279     1.0000   1.0000
0  3  2  0.0  1.0
       3.922     0.139
       1.095     0.326
0  3  1  0.0  1.0
       0.343     0.427
14  6            ! Si(4+)  86-311G(1), optimized in Ca6Si4O14 with PBE(n=6)
 0 0 8  2.0  1.0
 87645.8        0.000237
 12851.8        0.00192
 2786.28        0.0109
  728.043       0.0496
  219.516       0.1668
   75.9006      0.363
   29.4602      0.4051
   11.9891      0.1504
 0 1 6  8.0  1.0
  165.958      -0.00884     0.00909
   39.3727     -0.0859      0.0601
   12.7112     -0.0712      0.1952
    4.7177      0.4147      0.3384
    1.8482      0.6168      0.3006
    0.7365      0.1154      0.0648
 0 1 3  0.0  1.0
    4.1752     -0.0199     -0.0087
    1.4472     -0.1864     -0.00438
    0.5023      0.0967      0.2207
 0 1 1  0.0  1.0
    0.333       1.0000      1.0000
 0 1 1  0.0  1.0
    0.13        1.0000      1.0000
 0 3 1  0.0  1.0
    0.682       1.0000
8   5            ! O(2-)  84-11G(1), optimized in Ca6Si4O14 with PBE(n=6)
 0 0 8  2.0  1.0
 8020.0         0.00108
 1338.0         0.00804
  255.4         0.05324
   69.22        0.1681
   23.90        0.3581
    9.264       0.3855
    3.851       0.1468
    1.212       0.0728
 0 1 4  8.0  1.0
   49.43       -0.00883     0.00958
   10.47       -0.0915      0.0696
    3.235      -0.0402      0.2065
    1.217       0.379       0.347
 0 1 1  0.0  1.0
    0.460       1.0000      1.0000
 0 1 1  0.0  1.0
    0.170       1.0000      1.0000
 0 3 1  0.0  1.0
```

```
    0.556       1.0000
99 0
ENDBASIS
DFT
XLGRID
EXCHANGE
PBE
CORRELAT
PBE
HYBRID
16.667
ENDDFT
SCFDIR
SHRINK
4 4
TOLINTEG
7 7 7 7 15
TOLDEE
10
FMIXING
80
BROYDEN
0.0001 50 2
MAXCYCLE
200
BIPOSIZE
6818200
EXCHSIZE
6992232
ENDRUN
END Sun May 15 15:12:55 CEST 2011
/bin/bash: module: line 1: syntax error: unexpected end of file
/bin/bash: error importing function definition for `module'
 PROCESS            9  OF           16  WORKING
 PROCESS           13  OF           16  WORKING
 PROCESS           12  OF           16  WORKING
 PROCESS            3  OF           16  WORKING
 PROCESS           15  OF           16  WORKING
 PROCESS            0  OF           16  WORKING
 PROCESS            2  OF           16  WORKING
 PROCESS            6  OF           16  WORKING
 PROCESS            1  OF           16  WORKING
 PROCESS            4  OF           16  WORKING
 PROCESS           11  OF           16  WORKING
 PROCESS           14  OF           16  WORKING
 PROCESS           10  OF           16  WORKING
 PROCESS            8  OF           16  WORKING


 ******************************************************************************
 *                                                                            *
 *                                CRYSTAL09                                   *
 *                              public : 1.0                                  *
 *                     March 5th, 2010 - parallel executable                  *
 *                                                                            *
 *                                                                            *
 *                                                                            *
 *                              MAIN AUTHORS                                  *
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```

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*     http://www.crystal.unito.it                                             *
*******************************************************************************
EEEEEEEEEE STARTING  DATE 15 05 2011 TIME 15:12:56.9
Kilchoanite Ca6Si4O14, PBE(n=6) optimized

CRYSTAL CALCULATION
(INPUT ACCORDING TO THE INTERNATIONAL TABLES FOR X-RAY CRYSTALLOGRAPHY)
CRYSTAL FAMILY                       :  ORTHORHOMBIC
CRYSTAL CLASS  (GROTH - 1921)        :  ORTHORHOMBIC PYRAMIDAL

SPACE GROUP (NONCENTROSYMMETRIC)     :  I 2 C M

LATTICE PARAMETERS  (ANGSTROMS AND DEGREES) - CONVENTIONAL CELL
       A           B           C        ALPHA        BETA       GAMMA
   11.51157     5.11889    22.14018    90.00000    90.00000    90.00000


NUMBER OF IRREDUCIBLE ATOMS IN THE CONVENTIONAL CELL:   15

INPUT COORDINATES

ATOM AT. N.              COORDINATES
  1  20     1.341400807606E-02  0.000000000000E+00  0.000000000000E+00
  2  20    -1.898856475436E-01  4.993288817325E-01 -2.500000000000E-01
  3  20     3.436291191189E-02  2.640162756720E-03  1.686967891957E-01
  4  20     2.416478363926E-01  4.958158274578E-01  1.044352797178E-01
  5  14     1.205438630828E-01  4.274505846432E-01  2.500000000000E-01
  6  14     4.324364595709E-01 -5.850746031668E-02  1.009636922742E-01
  7  14     2.662662947417E-01  0.000000000000E+00  0.000000000000E+00
  8   8     1.869975607795E-01  2.954167578757E-01  1.913878950495E-01
  9   8    -1.049268744451E-02  2.909882826561E-01  2.500000000000E-01
 10   8     1.210663993979E-01 -2.528252412560E-01  2.500000000000E-01
 11   8     3.699184944109E-01 -2.005380455382E-01  1.589254975391E-01
 12   8     5.951388770774E-02 -3.063917965658E-01  9.282489935314E-02
 13   8     3.559844276657E-01 -1.874831460919E-01  4.132384675531E-02
 14   8     4.275356097946E-01  2.573503523845E-01  9.697871540298E-02
 15   8     1.847766966111E-01  1.795554786586E-01  4. PROCESS           5  OF
16  WORKING
 PROCESS            7  OF           16  WORKING
132421742051E-02

*******************************************************************************

<< INFORMATION >>: FROM NOW ON, ALL COORDINATES REFER TO THE PRIMITIVE CELL

*******************************************************************************
```

LATTICE PARAMETERS (ANGSTROMS AND DEGREES) - PRIMITIVE CELL

A	B	C	ALPHA	BETA	GAMMA	VOLUME
12.73683	12.73683	12.73683	126.26856	156.81514	59.28219	652.321735

COORDINATES OF THE EQUIVALENT ATOMS (FRACTIONAL UNITS)

N.	ATOM	EQUIV	AT. N.		X	Y	Z
1	1	1	20	CA	0.00000000000E+00	1.34140080761E-02	1.34140080761E-02
2	1	2	20	CA	-5.00000000000E-01	-4.86585991924E-01	1.34140080761E-02
3	2	1	20	CA	2.49328881733E-01	-4.39885647544E-01	3.09443234189E-01
4	2	2	20	CA	-2.49328881733E-01	6.01143524564E-02	3.10785470724E-01
5	3	1	20	CA	1.71336951952E-01	2.03059701108E-01	3.70030746686E-02
6	3	2	20	CA	-1.71336951952E-01	-1.34333877284E-01	3.17227491552E-02
7	3	3	20	CA	-3.33943373561E-01	-2.96940298892E-01	3.17227491552E-02
8	3	4	20	CA	3.33943373561E-01	3.65666122716E-01	3.70030746686E-02
9	4	1	20	CA	-3.99748892824E-01	3.46083116110E-01	-2.62536336150E-01
10	4	2	20	CA	3.99748892824E-01	1.37212556675E-01	-2.54167991065E-01
11	4	3	20	CA	1.08619452260E-01	-1.53916883890E-01	-2.54167991065E-01
12	4	4	20	CA	-1.08619452260E-01	-3.62787443325E-01	-2.62536336150E-01
13	5	1	14	SI	-3.22549415357E-01	3.70543863083E-01	-4.52005552274E-01
14	5	2	14	SI	3.22549415357E-01	-1.29456136917E-01	-3.06906721560E-01
15	6	1	14	SI	4.24562319575E-02	-4.66599848155E-01	3.73928999254E-01
16	6	2	14	SI	-4.24562319575E-02	3.31472767297E-01	4.90943919888E-01
17	6	3	14	SI	-3.40528847409E-01	3.34001518451E-02	4.90943919888E-01
18	6	4	14	SI	3.40528847409E-01	-1.68527232703E-01	3.73928999254E-01
19	7	1	14	SI	0.00000000000E+00	2.66266294742E-01	2.66266294742E-01
20	7	2	14	SI	-5.00000000000E-01	-2.33733705258E-01	2.66266294742E-01
21	8	1	8	O	4.86804652925E-01	3.78385455829E-01	4.82414318655E-01
22	8	2	8	O	-4.86804652925E-01	-4.39033427000E-03	-1.08419197096E-01
23	8	3	8	O	3.95971137174E-01	-1.21614544171E-01	-1.08419197096E-01
24	8	4	8	O	-3.95971137174E-01	4.95609665730E-01	4.82414318655E-01
25	9	1	8	O	-4.59011717344E-01	2.39507312555E-01	2.80495595212E-01
26	9	2	8	O	4.59011717344E-01	-2.60492687445E-01	-3.01480970101E-01
27	10	1	8	O	-2.82524125600E-03	3.71066399398E-01	-1.31758841858E-01
28	10	2	8	O	2.82524125600E-03	-1.28933600602E-01	3.73891640654E-01
29	11	1	8	O	-4.16125479991E-02	-4.71156008050E-01	1.69380448873E-01
30	11	2	8	O	4.16125479991E-02	2.10992996872E-01	-4.29543460051E-01
31	11	3	8	O	-1.40536456923E-01	2.88439919500E-02	-4.29543460051E-01
32	11	4	8	O	1.40536456923E-01	-2.89007003128E-01	1.69380448873E-01
33	12	1	8	O	-2.13566897213E-01	1.52338787061E-01	-2.46877908858E-01
34	12	2	8	O	2.13566897213E-01	-3.33110116454E-02	3.65905684274E-01
35	12	3	8	O	-1.00783304081E-01	-3.47661212939E-01	3.65905684274E-01
36	12	4	8	O	1.00783304081E-01	4.66688988355E-01	-2.46877908858E-01
37	13	1	8	O	-1.46159299337E-01	3.97308274421E-01	1.68501281574E-01
38	13	2	8	O	1.46159299337E-01	3.14660580910E-01	-4.56532426242E-01
39	13	3	8	O	-2.71193007153E-01	-1.02691725579E-01	-4.56532426242E-01
40	13	4	8	O	2.71193007153E-01	-1.85339419090E-01	1.68501281574E-01

```
 41  14   1    8 O     3.54329067787E-01 -4.75485674802E-01 -3.15114037821E-01
 42  14   2    8 O    -3.54329067787E-01  3.30556894392E-01  1.70185257410E-01
 43  14   3    8 O     3.39628363018E-01  2.45143251976E-02  1.70185257410E-01
 44  14   4    8 O    -3.39628363018E-01 -1.69443105608E-01 -3.15114037821E-01

 45  15   1    8 O     2.20879696079E-01  2.26100914032E-01  3.64332175270E-01
 46  15   2    8 O    -2.20879696079E-01  1.43452479191E-01  5.22121795250E-03
 47  15   3    8 O     3.61768738762E-01 -2.73899085968E-01  5.22121795250E-03
 48  15   4    8 O    -3.61768738762E-01 -3.56547520809E-01  3.64332175270E-01

NUMBER OF SYMMETRY OPERATORS         :    4
*******************************************************************************
* GEOMETRY EDITING - INPUT COORDINATES ARE GIVEN IN ANGSTROM
*******************************************************************************

GEOMETRY NOW FULLY CONSISTENT WITH THE GROUP

FRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQ

                        FREQUENCY CALCULATION

INFORMATION **** INPFREQ **** FREQUENCY CALCULATION RESTART(DATA FROM FREQINFO.DAT)
INFORMATION **** INPFREQ ****  ANALYSIS OF THE VIBRATIONAL MODES

GCALCO - MAX INDICES DIRECT LATTICE VECTOR    18     9    19
NO.OF VECTORS CREATED 6999 STARS 1041 RMAX   197.35268 BOHR

GEOMETRY FOR WAVE FUNCTION - DIMENSIONALITY OF THE SYSTEM    3
(NON PERIODIC DIRECTION: LATTICE PARAMETER FORMALLY SET TO 500)
*******************************************************************************
LATTICE PARAMETERS (ANGSTROMS AND DEGREES) - BOHR = 0.5291772083 ANGSTROM
PRIMITIVE CELL - CENTRING CODE 6/0 VOLUME=   652.321735 - DENSITY  2.931 g/cm^3
        A              B              C           ALPHA      BETA       GAMMA
   12.73682626    12.73682626    12.73682626   126.268555 156.815136  59.282191
*******************************************************************************
ATOMS IN THE ASYMMETRIC UNIT   15 - ATOMS IN THE UNIT CELL:   48
    ATOM              X/A                 Y/B                 Z/C
*******************************************************************************
  1 T  20 CA    0.000000000000E+00  1.341400807606E-02  1.341400807606E-02
  2 F  20 CA    5.000000000000E-01 -4.865859919239E-01  1.341400807606E-02
  3 T  20 CA    2.493288817325E-01 -4.398856475436E-01  3.094432341889E-01
  4 F  20 CA   -2.493288817325E-01  6.011435245640E-02  3.107854707239E-01
  5 T  20 CA    1.713369519524E-01  2.030597011076E-01  3.700307466861E-02
  6 F  20 CA   -1.713369519524E-01 -1.343338772838E-01  3.172274915517E-02
  7 F  20 CA   -3.339433735610E-01 -2.969402988924E-01  3.172274915517E-02
  8 F  20 CA    3.339433735610E-01  3.656661227162E-01  3.700307466861E-02
  9 T  20 CA   -3.997488928244E-01  3.460831161104E-01 -2.625363361496E-01
 10 F  20 CA    3.997488928244E-01  1.372125566748E-01 -2.541679910652E-01
 11 F  20 CA    1.086194522600E-01 -1.539168838896E-01 -2.541679910652E-01
 12 F  20 CA   -1.086194522600E-01 -3.627874433252E-01 -2.625363361496E-01
 13 T  14 SI   -3.225494153568E-01  3.705438630828E-01 -4.520055522740E-01
 14 F  14 SI    3.225494153568E-01 -1.294561369172E-01 -3.069067215604E-01
 15 T  14 SI    4.245623195752E-02 -4.665998481549E-01  3.739289992542E-01
 16 F  14 SI   -4.245623195752E-02  3.314727672967E-01  4.909439198876E-01
 17 F  14 SI   -3.405288474091E-01  3.340015184510E-02  4.909439198876E-01
 18 F  14 SI    3.405288474091E-01 -1.685272327033E-01  3.739289992542E-01
 19 T  14 SI    0.000000000000E+00  2.662662947417E-01  2.662662947417E-01
 20 F  14 SI    5.000000000000E-01 -2.337337052583E-01  2.662662947417E-01
 21 T   8 O     4.868046529252E-01  3.783854558290E-01  4.824143186552E-01
 22 F   8 O    -4.868046529252E-01 -4.390334270000E-03 -1.084191970962E-01
 23 F   8 O     3.959711371738E-01 -1.216145441710E-01 -1.084191970962E-01
```

24	F	8	O	-3.959711371738E-01	4.956096657300E-01	4.824143186552E-01
25	T	8	O	-4.590117173439E-01	2.395073125555E-01	2.804955952116E-01
26	F	8	O	4.590117173439E-01	-2.604926874445E-01	-3.014809701006E-01
27	T	8	O	-2.825241256000E-03	3.710663993979E-01	-1.317588418581E-01
28	F	8	O	2.825241256000E-03	-1.289336006021E-01	3.738916406539E-01
29	T	8	O	-4.161254799910E-02	-4.711560080500E-01	1.693804488727E-01
30	F	8	O	4.161254799910E-02	2.109929968718E-01	-4.295434600509E-01
31	F	8	O	-1.405364569227E-01	2.884399195000E-02	-4.295434600509E-01
32	F	8	O	1.405364569227E-01	-2.890070031282E-01	1.693804488727E-01
33	T	8	O	-2.135668972127E-01	1.523387870609E-01	-2.468779088581E-01
34	F	8	O	2.135668972127E-01	-3.331101164540E-02	3.659056842735E-01
35	F	8	O	-1.007833040811E-01	-3.476612129391E-01	3.659056842735E-01
36	F	8	O	1.007833040811E-01	4.666889883546E-01	-2.468779088581E-01
37	T	8	O	-1.461592993366E-01	3.973082744210E-01	1.685012815738E-01
38	F	8	O	1.461592993366E-01	3.146605809104E-01	-4.565324262424E-01
39	F	8	O	-2.711930071528E-01	-1.026917255790E-01	-4.565324262424E-01
40	F	8	O	2.711930071528E-01	-1.853394190896E-01	1.685012815738E-01
41	T	8	O	3.543290677875E-01	-4.754856748024E-01	-3.151140378209E-01
42	F	8	O	-3.543290677875E-01	3.305568943916E-01	1.701852574101E-01
43	F	8	O	3.396283630185E-01	2.451432519758E-02	1.701852574101E-01
44	F	8	O	-3.396283630185E-01	-1.694431056084E-01	-3.151140378209E-01
45	T	8	O	2.208796960791E-01	2.261009140316E-01	3.643321752697E-01
46	F	8	O	-2.208796960791E-01	1.434524791906E-01	5.221217952500E-03
47	F	8	O	3.617687387619E-01	-2.738990859684E-01	5.221217952500E-03
48	F	8	O	-3.617687387619E-01	-3.565475208094E-01	3.643321752697E-01

TRANSFORMATION MATRIX PRIMITIVE-CRYSTALLOGRAPHIC CELL

0.0000	1.0000	1.0000	1.0000	0.0000	1.0000	1.0000	1.0000	0.0000

****

CRYSTALLOGRAPHIC CELL (VOLUME= 1304.64347040)

A	B	C	ALPHA	BETA	GAMMA
11.51157168	5.11889300	22.14018122	90.000000	90.000000	90.000000

COORDINATES IN THE CRYSTALLOGRAPHIC CELL

	ATOM			X/A	Y/B	Z/C
1	T	20	CA	1.341400807606E-02	0.000000000000E+00	0.000000000000E+00
2	F	20	CA	1.341400807606E-02	0.000000000000E+00	5.000000000000E-01
3	T	20	CA	-1.898856475436E-01	4.993288817325E-01	-2.500000000000E-01
4	F	20	CA	-1.898856475436E-01	-4.993288817325E-01	2.500000000000E-01
5	T	20	CA	3.436291191189E-02	2.640162756720E-03	1.686967891957E-01
6	F	20	CA	3.436291191189E-02	-2.640162756720E-03	-1.686967891957E-01
7	F	20	CA	-4.656370880881E-01	4.973598372433E-01	1.686967891957E-01
8	F	20	CA	-4.656370880881E-01	-4.973598372433E-01	-1.686967891957E-01
9	T	20	CA	2.416478363926E-01	4.958158274578E-01	1.044352797178E-01
10	F	20	CA	2.416478363926E-01	-4.958158274578E-01	-1.044352797178E-01
11	F	20	CA	-2.583521636074E-01	4.184172542200E-03	1.044352797178E-01
12	F	20	CA	-2.583521636074E-01	-4.184172542200E-03	-1.044352797178E-01
13	T	14	SI	1.205438630828E-01	4.274505846432E-01	2.500000000000E-01
14	F	14	SI	1.205438630828E-01	-4.274505846432E-01	-2.500000000000E-01
15	T	14	SI	4.324364595709E-01	-5.850746031668E-02	1.009636922742E-01
16	F	14	SI	4.324364595709E-01	5.850746031668E-02	-1.009636922742E-01
17	F	14	SI	-6.756354042910E-02	-4.414925396833E-01	1.009636922742E-01
18	F	14	SI	-6.756354042910E-02	4.414925396833E-01	-1.009636922742E-01
19	T	14	SI	2.662662947417E-01	0.000000000000E+00	0.000000000000E+00
20	F	14	SI	2.662662947417E-01	4.590873227954E-17	5.000000000000E-01
21	T	8	O	1.869975607795E-01	2.954167578757E-01	1.913878950495E-01
22	F	8	O	1.869975607795E-01	-2.954167578757E-01	-1.913878950495E-01
23	F	8	O	-3.130024392205E-01	2.045832421243E-01	1.913878950495E-01
24	F	8	O	-3.130024392205E-01	-2.045832421243E-01	-1.913878950495E-01

25	T	8	O	-1.049268744451E-02	2.909882826561E-01	2.500000000000E-01
26	F	8	O	-1.049268744451E-02	-2.909882826561E-01	-2.500000000000E-01
27	T	8	O	1.210663993979E-01	-2.528252412560E-01	2.500000000000E-01
28	F	8	O	1.210663993979E-01	2.528252412560E-01	-2.500000000000E-01
29	T	8	O	3.699184944109E-01	-2.005380455382E-01	1.589254975391E-01
30	F	8	O	3.699184944109E-01	2.005380455382E-01	-1.589254975391E-01
31	F	8	O	-1.300815055891E-01	-2.994619544618E-01	1.589254975391E-01
32	F	8	O	-1.300815055891E-01	2.994619544618E-01	-1.589254975391E-01
33	T	8	O	5.951388770774E-02	-3.063917965658E-01	9.282489935314E-02
34	F	8	O	5.951388770774E-02	3.063917965658E-01	-9.282489935314E-02
35	F	8	O	-4.404861122923E-01	-1.936082034342E-01	9.282489935314E-02
36	F	8	O	-4.404861122923E-01	1.936082034342E-01	-9.282489935314E-02
37	T	8	O	3.559844276657E-01	-1.874831460919E-01	4.132384675531E-02
38	F	8	O	3.559844276657E-01	1.874831460919E-01	-4.132384675531E-02
39	F	8	O	-1.440155723343E-01	-3.125168539081E-01	4.132384675531E-02
40	F	8	O	-1.440155723343E-01	3.125168539081E-01	-4.132384675531E-02
41	T	8	O	4.275356097946E-01	2.573503523845E-01	9.697871540298E-02
42	F	8	O	4.275356097946E-01	-2.573503523845E-01	-9.697871540298E-02
43	F	8	O	-7.246439020540E-02	2.426496476155E-01	9.697871540298E-02
44	F	8	O	-7.246439020540E-02	-2.426496476155E-01	-9.697871540298E-02
45	T	8	O	1.847766966111E-01	1.795554786586E-01	4.132421742051E-02
46	F	8	O	1.847766966111E-01	-1.795554786586E-01	-4.132421742051E-02
47	F	8	O	-3.152233033889E-01	3.204445213414E-01	4.132421742051E-02
48	F	8	O	-3.152233033889E-01	-3.204445213414E-01	-4.132421742051E-02

T = ATOM BELONGING TO THE ASYMMETRIC UNIT

**** 4 SYMMOPS - TRANSLATORS IN FRACTIONAL UNITS

V	INV	ROTATION MATRICES									TRANSLATOR		
1	1	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2	2	-1.00	0.00	0.00	-1.00	0.00	1.00	-1.00	1.00	0.00	0.00	0.00	0.00
3	3	0.00	1.00	-1.00	0.00	1.00	0.00	-1.00	1.00	0.00	0.50	0.50	0.00
4	4	0.00	-1.00	1.00	-1.00	0.00	1.00	0.00	0.00	1.00	0.50	0.50	0.00

DIRECT LATTICE VECTORS CARTESIAN COMPONENTS (ANGSTROM)

X	Y	Z
-0.575578584000E+01	0.255944650000E+01	0.110700906100E+02
0.575578584000E+01	-0.255944650000E+01	0.110700906100E+02
0.575578584000E+01	0.255944650000E+01	-0.110700906100E+02

CARTESIAN COORDINATES - PRIMITIVE CELL

*	ATOM	X(ANGSTROM)	Y(ANGSTROM)	Z(ANGSTROM)
1	20 CA	1.544163154837E-01	0.000000000000E+00	0.000000000000E+00
2	20 CA	-1.135715536452E+01	0.000000000000E+00	1.107009061000E+01
3	20 CA	-2.185882242701E+00	2.556011117398E+00	-5.535045305000E+00
4	20 CA	-2.185882242701E+00	-2.556011117398E+00	5.535045305000E+00
5	20 CA	3.955711236072E-01	1.351471065423E-02	3.734977484025E+00
6	20 CA	3.955711236072E-01	-1.351471065423E-02	-3.734977484025E+00
7	20 CA	-5.360214716393E+00	2.545931789346E+00	3.734977484025E+00
8	20 CA	-5.360214716393E+00	-2.545931789346E+00	-3.734977484025E+00
9	20 CA	2.781746389950E+00	2.538028168463E+00	2.312216018713E+00
10	20 CA	2.781746389950E+00	-2.538028168463E+00	-2.312216018713E+00
11	20 CA	-2.974039450050E+00	2.141833153706E-02	2.312216018713E+00
12	20 CA	-2.974039450050E+00	-2.141833153706E-02	-2.312216018713E+00
13	14 SI	1.387649320462E+00	2.188073805576E+00	5.535045305000E+00
14	14 SI	1.387649320462E+00	-2.188073805576E+00	-5.535045305000E+00
15	14 SI	4.978023301396E+00	-2.994934290628E-01	2.235354443591E+00
16	14 SI	4.978023301396E+00	2.994934290628E-01	-2.235354443591E+00

17	14	SI	-7.777625386042E-01	-2.259953070937E+00	2.235354443591E+00
18	14	SI	-7.777625386042E-01	2.259953070937E+00	-2.235354443591E+00
19	14	SI	3.065143537887E+00	0.000000000000E+00	0.000000000000E+00
20	14	SI	-8.446428142113E+00	2.350018883046E-16	1.107009061000E+01
21	8	O	2.152635824898E+00	1.512206773973E+00	4.237362679710E+00
22	8	O	2.152635824898E+00	-1.512206773973E+00	-4.237362679710E+00
23	8	O	-3.603150015102E+00	1.047239726027E+00	4.237362679710E+00
24	8	O	-3.603150015102E+00	-1.047239726027E+00	-4.237362679710E+00
25	8	O	-1.207873236333E-01	1.489537883170E+00	5.535045305000E+00
26	8	O	-1.207873236333E-01	-1.489537883170E+00	-5.535045305000E+00
27	8	O	1.393664534708E+00	-1.294185357689E+00	5.535045305000E+00
28	8	O	1.393664534708E+00	1.294185357689E+00	-5.535045305000E+00
29	8	O	4.258343264169E+00	-1.026532797539E+00	3.518639315994E+00
30	8	O	4.258343264169E+00	1.026532797539E+00	-3.518639315994E+00
31	8	O	-1.497442575831E+00	-1.532913702461E+00	3.518639315994E+00
32	8	O	-1.497442575831E+00	1.532913702461E+00	-3.518639315994E+00
33	8	O	6.850983843031E-01	-1.568386822698E+00	2.055160093407E+00
34	8	O	6.850983843031E-01	1.568386822698E+00	-2.055160093407E+00
35	8	O	-5.070687455697E+00	-9.910596773019E-01	2.055160093407E+00
36	8	O	-5.070687455697E+00	9.910596773019E-01	-2.055160093407E+00
37	8	O	4.097940256037E+00	-9.597061641478E-01	9.149174558701E-01
38	8	O	4.097940256037E+00	9.597061641478E-01	-9.149174558701E-01
39	8	O	-1.657845583963E+00	-1.599740335852E+00	9.149174558701E-01
40	8	O	-1.657845583963E+00	1.599740335852E+00	-9.149174558701E-01
41	8	O	4.921606817903E+00	1.317348917369E+00	2.147126333505E+00
42	8	O	4.921606817903E+00	-1.317348917369E+00	-2.147126333505E+00
43	8	O	-8.341790220970E-01	1.242097582631E+00	2.147126333505E+00
44	8	O	-8.341790220970E-01	-1.242097582631E+00	-2.147126333505E+00
45	8	O	2.127070187832E+00	9.191252828172E-01	9.149256624648E-01
46	8	O	2.127070187832E+00	-9.191252828172E-01	-9.149256624648E-01
47	8	O	-3.628715652168E+00	1.640321217183E+00	9.149256624648E-01
48	8	O	-3.628715652168E+00	-1.640321217183E+00	-9.149256624648E-01

****
LOCAL ATOMIC FUNCTIONS BASIS SET
****

ATOM	X(AU)	Y(AU)	Z(AU)	NO.	TYPE	EXPONENT	S COEF	P COEF	D/F/G COEF
1 CA	0.292	0.000	0.000						
				1	S				
						1.913E+05	2.204E-04	0.000E+00	0.000E+00
						2.697E+04	1.925E-03	0.000E+00	0.000E+00
						5.696E+03	1.109E-02	0.000E+00	0.000E+00
						1.489E+03	4.995E-02	0.000E+00	0.000E+00
						4.483E+02	1.701E-01	0.000E+00	0.000E+00
						1.546E+02	3.685E-01	0.000E+00	0.000E+00
						6.037E+01	4.034E-01	0.000E+00	0.000E+00
						2.509E+01	1.452E-01	0.000E+00	0.000E+00
				2-	5 SP				
						4.486E+02	-5.750E-03	8.470E-03	0.000E+00
						1.057E+02	-7.670E-02	6.027E-02	0.000E+00
						3.469E+01	-1.122E-01	2.124E-01	0.000E+00
						1.350E+01	2.537E-01	3.771E-01	0.000E+00
						5.820E+00	6.880E-01	4.010E-01	0.000E+00
						1.819E+00	3.490E-01	1.980E-01	0.000E+00
				6-	9 SP				
						2.075E+01	-2.000E-03	-3.650E-02	0.000E+00
						8.400E+00	-1.255E-01	-6.850E-02	0.000E+00
						3.597E+00	-6.960E-01	1.570E-01	0.000E+00
						1.408E+00	1.029E+00	1.482E+00	0.000E+00
						7.260E-01	9.440E-01	1.025E+00	0.000E+00

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                         10-  13 SP
                                     4.630E-01 1.000E+00 1.000E+00 0.000E+00
                         14-  17 SP
                                     2.790E-01 1.000E+00 1.000E+00 0.000E+00
                         18-  22 D
                                     3.922E+00 0.000E+00 0.000E+00 1.390E-01
                                     1.095E+00 0.000E+00 0.000E+00 3.260E-01
                         23-  27 D
                                     3.430E-01 0.000E+00 0.000E+00 4.270E-01
 2 CA-21.462  0.000 20.919
 3 CA -4.131  4.830-10.460
 4 CA -4.131 -4.830 10.460
 5 CA  0.748  0.026  7.058
 6 CA  0.748 -0.026 -7.058
 7 CA-10.129  4.811  7.058
 8 CA-10.129 -4.811 -7.058
 9 CA  5.257  4.796  4.369
10 CA  5.257 -4.796 -4.369
11 CA -5.620  0.040  4.369
12 CA -5.620 -0.040 -4.369
13 SI  2.622  4.135 10.460
                             325 S
                                     8.765E+04 2.370E-04 0.000E+00 0.000E+00
                                     1.285E+04 1.920E-03 0.000E+00 0.000E+00
                                     2.786E+03 1.090E-02 0.000E+00 0.000E+00
                                     7.280E+02 4.960E-02 0.000E+00 0.000E+00
                                     2.195E+02 1.668E-01 0.000E+00 0.000E+00
                                     7.590E+01 3.630E-01 0.000E+00 0.000E+00
                                     2.946E+01 4.051E-01 0.000E+00 0.000E+00
                                     1.199E+01 1.504E-01 0.000E+00 0.000E+00
                         326- 329 SP
                                     1.660E+02-8.840E-03 9.090E-03 0.000E+00
                                     3.937E+01-8.590E-02 6.010E-02 0.000E+00
                                     1.271E+01-7.120E-02 1.952E-01 0.000E+00
                                     4.718E+00 4.147E-01 3.384E-01 0.000E+00
                                     1.848E+00 6.168E-01 3.006E-01 0.000E+00
                                     7.365E-01 1.154E-01 6.480E-02 0.000E+00
                         330- 333 SP
                                     4.175E+00-1.990E-02-8.700E-03 0.000E+00
                                     1.447E+00-1.864E-01-4.380E-03 0.000E+00
                                     5.023E-01 9.670E-02 2.207E-01 0.000E+00
                         334- 337 SP
                                     3.330E-01 1.000E+00 1.000E+00 0.000E+00
                         338- 341 SP
                                     1.300E-01 1.000E+00 1.000E+00 0.000E+00
                         342- 346 D
                                     6.820E-01 0.000E+00 0.000E+00 1.000E+00
14 SI  2.622 -4.135-10.460
15 SI  9.407 -0.566  4.224
16 SI  9.407  0.566 -4.224
17 SI -1.470 -4.271  4.224
18 SI -1.470  4.271 -4.224
19 SI  5.792  0.000  0.000
20 SI-15.961  0.000 20.919
21 O   4.068  2.858  8.007
                             501 S
                                     8.020E+03 1.080E-03 0.000E+00 0.000E+00
                                     1.338E+03 8.040E-03 0.000E+00 0.000E+00
                                     2.554E+02 5.324E-02 0.000E+00 0.000E+00
                                     6.922E+01 1.681E-01 0.000E+00 0.000E+00
                                     2.390E+01 3.581E-01 0.000E+00 0.000E+00
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                                        9.264E+00 3.855E-01 0.000E+00 0.000E+00
                                        3.851E+00 1.468E-01 0.000E+00 0.000E+00
                                        1.212E+00 7.280E-02 0.000E+00 0.000E+00
                          502- 505 SP
                                        4.943E+01-8.830E-03 9.580E-03 0.000E+00
                                        1.047E+01-9.150E-02 6.960E-02 0.000E+00
                                        3.235E+00-4.020E-02 2.065E-01 0.000E+00
                                        1.217E+00 3.790E-01 3.470E-01 0.000E+00
                          506- 509 SP
                                        4.600E-01 1.000E+00 1.000E+00 0.000E+00
                          510- 513 SP
                                        1.700E-01 1.000E+00 1.000E+00 0.000E+00
                          514- 518 D
                                        5.560E-01 0.000E+00 0.000E+00 1.000E+00
 22 O   4.068 -2.858 -8.007
 23 O  -6.809  1.979  8.007
 24 O  -6.809 -1.979 -8.007
 25 O  -0.228  2.815 10.460
 26 O  -0.228 -2.815-10.460
 27 O   2.634 -2.446 10.460
 28 O   2.634  2.446-10.460
 29 O   8.047 -1.940  6.649
 30 O   8.047  1.940 -6.649
 31 O  -2.830 -2.897  6.649
 32 O  -2.830  2.897 -6.649
 33 O   1.295 -2.964  3.884
 34 O   1.295  2.964 -3.884
 35 O  -9.582 -1.873  3.884
 36 O  -9.582  1.873 -3.884
 37 O   7.744 -1.814  1.729
 38 O   7.744  1.814 -1.729
 39 O  -3.133 -3.023  1.729
 40 O  -3.133  3.023 -1.729
 41 O   9.300  2.489  4.057
 42 O   9.300 -2.489 -4.057
 43 O  -1.576  2.347  4.057
 44 O  -1.576 -2.347 -4.057
 45 O   4.020  1.737  1.729
 46 O   4.020 -1.737 -1.729
 47 O  -6.857  3.100  1.729
 48 O  -6.857 -3.100 -1.729
INFORMATION **** READM2 **** FULL DIRECT SCF (MONO AND BIEL INT) SELECTED
INFORMATION **** TOLINTEG **** COULOMB AND EXCHANGE SERIES TOLERANCES MODIFIED
INFORMATION **** TOLDEE **** SCF TOL ON TOTAL ENERGY SET TO          10

MODIFIED BROYDEN MIXING OF THE FOCK MATRIX
WO PARAMETER(D.D. Johnson, PRB38, 12807,(1988)             1.0000E-04
% OF FOCK/KS MATRICES MIXING WHEN BROYDEN METHOD IS ON             50
NUMBER OF SCF ITERATIONS AFTER WHICH BROYDEN METHOD IS ACTIVE       2
INFORMATION **** MAXCYCLE **** MAX NUMBER OF SCF CYCLES SET TO         200
INFORMATION **** BIPOSIZE **** COULOMB BIPOLAR BUFFER SET TO     6818200
INFORMATION **** EXCHSIZE **** EXCHANGE BIPOLAR BUFFER SIZE SET TO     6992232
*******************************************************************************
N. OF ATOMS PER CELL       48  COULOMB OVERLAP TOL         (T1) 10** -7
NUMBER OF SHELLS          272  COULOMB PENETRATION TOL     (T2) 10** -7
NUMBER OF AO             1004  EXCHANGE OVERLAP TOL        (T3) 10** -7
N. OF ELECTRONS PER CELL  576  EXCHANGE PSEUDO OVP (F(G))  (T4) 10** -7
CORE ELECTRONS PER CELL   352  EXCHANGE PSEUDO OVP (P(G))  (T5) 10**-15
N. OF SYMMETRY OPERATORS    4  POLE ORDER IN MONO ZONE               4
*******************************************************************************
TYPE OF CALCULATION :  RESTRICTED CLOSED SHELL
```

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KOHN-SHAM HAMILTONIAN

(EXCHANGE)[CORRELATION] FUNCTIONAL:(PERDEW-BURKE-ERNZERHOF)[PERDEW-BURKE-ERNZERHOF]


HYBRID EXCHANGE - PERCENTAGE OF FOCK EXCHANGE    16.6670

CAPPA:IS1  4;IS2  4;IS3  4; K PTS MONK NET   18; SYMMOPS: K SPACE  8;G SPACE  4

*************************************************************************
MAX NUMBER OF SCF CYCLES     200  CONVERGENCE ON DELTAP        10**-20
WEIGHT OF F(I) IN F(I+1)      80% CONVERGENCE ON ENERGY        10**-10
SHRINK. FACT.(MONKH.)    4  4  4  NUMBER OF K POINTS IN THE IBZ     18
SHRINKING FACTOR(GILAT NET)    4  NUMBER OF K POINTS(GILAT NET)     18
*************************************************************************
*** K POINTS COORDINATES (OBLIQUE COORDINATES IN UNITS OF IS =  4)
  1-R(  0  0  0)   2-C(  1  0  0)   3-R(  2  0  0)   4-C(  0  1  0)
  5-C(  1  1  0)   6-C(  2  1  0)   7-C(  3  1  0)   8-R(  0  2  0)
  9-C(  1  2  0)  10-R(  2  2  0)  11-C(  1  1  1)  12-C(  3  1  1)
 13-C(  2  2  1)  14-C(  3  2  1)  15-C(  1  3  1)  16-C(  2  3  1)
 17-C(  3  3  1)  18-R(  2  2  2)

DIRECT LATTICE VECTORS COMPON. (A.U.)     RECIP. LATTICE VECTORS COMPON. (A.U.)
       X            Y            Z              X            Y            Z
 -10.8768589    4.8366529   20.9194395      0.0000000    0.6495386    0.1501758
  10.8768589   -4.8366529   20.9194395      0.2888327    0.0000000    0.1501758
  10.8768589    4.8366529  -20.9194395      0.2888327    0.6495386    0.0000000

DISK SPACE FOR EIGENVECTORS (FTN 10)   31248496 REALS

SYMMETRY ADAPTION OF THE BLOCH FUNCTIONS ENABLED
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT gordsh1     TELAPSE        0.38 TCPU        0.11

DIMENSIONS  P(G)= 2206952 F(G)=  353010 P(G),F(G) (IRR)  290516
MAX G-VECTOR INDEX FOR 1- AND 2-ELECTRON INTEGRALS 135

TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT INPUT       TELAPSE        0.43 TCPU        0.16

NEIGHBORS OF THE NON-EQUIVALENT ATOMS

N = NUMBER OF NEIGHBORS AT DISTANCE R
   ATOM  N     R/ANG      R/AU   NEIGHBORS (ATOM LABELS AND CELL INDICES)
  1 CA   2     2.3608     4.4612  45 O    0 0 0  46 O    0 0 0
  1 CA   2     2.5847     4.8843  39 O    0 0 0  40 O    0 0 0
  1 CA   2     2.6392     4.9873  33 O    0 0 0  34 O    0 0 0
  1 CA   2     2.6703     5.0461  43 O    0 0 0  44 O    0 0 0
  1 CA   1     2.9107     5.5005  19 SI   0 0 0
  1 CA   2     3.3126     6.2599  17 SI   0 0 0  18 SI   0 0 0

  3 CA   1     2.3274     4.3981  26 O    1 0 1
  3 CA   2     2.3636     4.4665  29 O    0-1 0  32 O    0 0 0
  3 CA   2     2.4474     4.6249  21 O    0-1 0  24 O    1 0 1
  3 CA   1     2.5302     4.7814  27 O    0-1 0
  3 CA   1     3.0927     5.8444  13 SI   0-1 0
  3 CA   1     3.5931     6.7900  14 SI   1 0 1

  5 CA   1     2.3255     4.3946  33 O    0 0 0
  5 CA   1     2.3544     4.4491  43 O    0 0 0
  5 CA   1     2.3634     4.4662  21 O    0 0 0
  5 CA   1     2.3844     4.5059  25 O    0 0 0
  5 CA   1     2.4385     4.6082  27 O    0 0 0
```

5	CA	1	2.4539	4.6372	31	O	0	0	0					
9	CA	1	2.2365	4.2263	45	O	0	0	0					
9	CA	1	2.2703	4.2903	21	O	0	0	0					
9	CA	1	2.3425	4.4266	33	O	1	0	1					
9	CA	1	2.4600	4.6488	29	O	1	0	1					
9	CA	1	2.4691	4.6659	41	O	0	0	0					
9	CA	1	2.5126	4.7481	37	O	1	0	1					
13	SI	1	1.6366	3.0928	27	O	1	0	1					
13	SI	2	1.6511	3.1200	21	O	0	0	0	24	O	1	1	1
13	SI	1	1.6623	3.1413	25	O	0	0	0					
13	SI	2	2.9922	5.6544	5	CA	0	0	0	8	CA	1	1	1
13	SI	1	3.0927	5.8444	3	CA	0	1	0					
13	SI	1	3.4823	6.5805	27	O	0	0	0					
15	SI	1	1.6202	3.0618	41	O	0	0	0					
15	SI	1	1.6281	3.0767	35	O	0	1	1					
15	SI	1	1.6411	3.1013	29	O	0	0	0					
15	SI	1	1.7187	3.2479	37	O	0	0	0					
15	SI	1	2.9573	5.5885	19	SI	0	0	0					
15	SI	1	2.9655	5.6040	7	CA	-1	1	0					
19	SI	2	1.6006	3.0247	45	O	0	0	0	46	O	0	0	0
19	SI	2	1.6807	3.1761	37	O	0	0	0	38	O	0	0	0
19	SI	1	2.9107	5.5005	1	CA	0	0	0					
19	SI	2	2.9573	5.5885	15	SI	0	0	0	16	SI	0	0	0
19	SI	2	3.1292	5.9134	41	O	0	0	0	42	O	0	0	0
19	SI	2	3.4450	6.5102	9	CA	0	0	0	10	CA	0	0	0
21	O	1	1.6511	3.1200	13	SI	0	0	0					
21	O	1	2.2703	4.2903	9	CA	0	0	0					
21	O	1	2.3634	4.4662	5	CA	0	0	0					
21	O	1	2.4474	4.6249	3	CA	0	1	0					
21	O	1	2.5954	4.9045	24	O	1	1	1					
21	O	1	2.6178	4.9470	25	O	0	0	0					
25	O	1	1.6623	3.1413	13	SI	0	0	0					
25	O	1	2.3274	4.3981	4	CA	1	0	1					
25	O	2	2.3844	4.5059	5	CA	0	0	0	8	CA	1	1	1
25	O	2	2.6178	4.9470	21	O	0	0	0	24	O	1	1	1
25	O	1	2.7833	5.2596	27	O	1	0	1					
25	O	1	3.1690	5.9886	27	O	0	0	0					
27	O	1	1.6366	3.0928	13	SI	-1	0	-1					
27	O	2	2.4385	4.6082	5	CA	0	0	0	8	CA	1	1	1
27	O	1	2.5302	4.7814	3	CA	0	1	0					
27	O	2	2.7582	5.2122	21	O	-1	0	-1	24	O	0	1	0
27	O	1	2.7833	5.2596	25	O	-1	0	-1					
27	O	1	3.1690	5.9886	25	O	0	0	0					
29	O	1	1.6411	3.1013	15	SI	0	0	0					
29	O	1	2.3636	4.4665	3	CA	0	1	0					
29	O	1	2.4539	4.6372	7	CA	-1	1	0					
29	O	1	2.4600	4.6488	9	CA	-1	0	-1					
29	O	1	2.6095	4.9313	37	O	0	0	0					
29	O	1	2.6280	4.9662	35	O	0	1	1					
33	O	1	1.6281	3.0767	17	SI	0	0	0					
33	O	1	2.3255	4.3946	5	CA	0	0	0					
33	O	1	2.3425	4.4266	9	CA	-1	0	-1					

```
 33 O    1     2.6059     4.9244  39 O    0 0 0
 33 O    1     2.6280     4.9662  31 O    0 0 0
 33 O    1     2.6392     4.9873   1 CA   0 0 0

 37 O    1     1.6807     3.1761  19 SI   0 0 0
 37 O    1     1.7187     3.2479  15 SI   0 0 0
 37 O    1     2.5126     4.7481   9 CA  -1 0-1
 37 O    1     2.5847     4.8843   2 CA  -1 1 1
 37 O    1     2.6059     4.9244  35 O    0 1 1
 37 O    1     2.6095     4.9313  29 O    0 0 0

 41 O    1     1.6202     3.0618  15 SI   0 0 0
 41 O    1     2.3544     4.4491   7 CA   0 1 1
 41 O    1     2.4691     4.6659   9 CA   0 0 0
 41 O    1     2.6703     5.0461   2 CA   0 1 2
 41 O    1     2.7169     5.1343  37 O    0 0 0
 41 O    1     2.7650     5.2252  35 O    0 1 1

 45 O    1     1.6006     3.0247  19 SI   0 0 0
 45 O    1     2.2365     4.2263   9 CA   0 0 0
 45 O    1     2.3608     4.4612   1 CA   0 0 0
 45 O    1     2.5937     4.9015  46 O    0 0 0
 45 O    1     2.6897     5.0827  38 O    0 0 0
 45 O    1     2.7229     5.1456  37 O    0 0 0


SYMMETRY ALLOWED INTERNAL DEGREE(S) OF FREEDOM:  36
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT SYMM        TELAPSE        1.27 TCPU        0.73
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT INT_SCREEN  TELAPSE        1.41 TCPU        0.87

*****************************************************************************
*                                                                           *
*                                                                           *
*         FFFFF  RRRR   EEEE   EEE   U   U  EEEE  N   N   CCC  Y   Y        *
*         F      R   R  E     E   E  U   U  E     NN  N  C      Y Y         *
*         FFF    RRRR   EEEE  E   E  U   U  EEEE  N N N  C       Y          *
*         F      R   R  E     E  EE  U   U  E     N  NN  C       Y          *
*         F      R   R  EEEE   EE E   UUU   EEEE  N   N   CCC    Y          *
*                                                                           *
*                                                                           *
* CALCULATION OF PHONON FREQUENCIES AT THE GAMMA POINT.                     *
*                                                                           *
* SYMMETRY IS EXPLOITED TO BUILD THE TOTAL HESSIAN MATRIX.                  *
* (F. PASCALE PHD THESIS TURIN-PARIS 2002)                                  *
*                                                                           *
*****************************************************************************


*                                                                           *
* REFERENCES TO BE QUOTED WHEN USING THIS MODULE:                           *
*                                                                           *
* F. Pascale, C.M. Zicovich-Wilson, F. Lopez, B. Civalleri                  *
* R. Orlando, R. Dovesi                                                     *
* The calculation of the vibration frequencies of crystalline               *
* compounds and its implementation in the CRYSTAL code                     *
* J. Comput. Chem. 25 (2004) 888-897                                        *
*                                                                           *
* C.M. Zicovich-Wilson, F. Pascale, C. Roetti, V.R. Saunders,               *
* R. Orlando, R. Dovesi                                                     *
* The calculation of the vibration frequencies of alpha-quartz:             *
* the effect of hamiltonian and basis set                                   *
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ATOMS ISOTOPIC MASS (AMU) FOR FREQUENCY CALCULATION

1	CA	39.9626	2	CA	39.9626	3	CA	39.9626	4	CA	39.9626
5	CA	39.9626	6	CA	39.9626	7	CA	39.9626	8	CA	39.9626
9	CA	39.9626	10	CA	39.9626	11	CA	39.9626	12	CA	39.9626
13	SI	27.9769	14	SI	27.9769	15	SI	27.9769	16	SI	27.9769
17	SI	27.9769	18	SI	27.9769	19	SI	27.9769	20	SI	27.9769
21	O	15.9949	22	O	15.9949	23	O	15.9949	24	O	15.9949
25	O	15.9949	26	O	15.9949	27	O	15.9949	28	O	15.9949
29	O	15.9949	30	O	15.9949	31	O	15.9949	32	O	15.9949
33	O	15.9949	34	O	15.9949	35	O	15.9949	36	O	15.9949
37	O	15.9949	38	O	15.9949	39	O	15.9949	40	O	15.9949
41	O	15.9949	42	O	15.9949	43	O	15.9949	44	O	15.9949
45	O	15.9949	46	O	15.9949	47	O	15.9949	48	O	15.9949

STEP SIZE 0.0030 ANGSTROM

INFORMATION CONCERNING THE SCF+GRADIENT CALCULATIONS REQUIRED FOR
GENERATING FREQUENCIES. IN PRINCIPLE 3N+1 SCF + GRADIENT
CALCULATIONS ARE REQUIRED;
FOR EACH OF THEM THE REMAINING POINT SYMMETRY IS INDICATED.
POINT SYMMETRY PERMITS TO GENERATE GRADIENTS FOR DISPLACEMENT B
STARTING FROM THE GRADIENT GENERATED BY DISPLACEMENT A.

N	LABEL	SYMBOL	DISPLACEMENT	SYM.
1	EQUILIBRIUM GEOMETRY			4
2	1	CA	DX	2
3	1	CA	DY	1
4	1	CA	DZ	1
5	3	CA	DX	2
6	3	CA	DY	2
7	3	CA	DZ	1
8	5	CA	DX	1
9	5	CA	DY	1
10	5	CA	DZ	1
11	9	CA	DX	1
12	9	CA	DY	1
13	9	CA	DZ	1
14	13	SI	DX	2
15	13	SI	DY	2
16	13	SI	DZ	1
17	15	SI	DX	1
18	15	SI	DY	1
19	15	SI	DZ	1
20	19	SI	DX	2
21	19	SI	DY	1
22	19	SI	DZ	1
23	21	O	DX	1
24	21	O	DY	1
25	21	O	DZ	1
26	25	O	DX	2
27	25	O	DY	2
28	25	O	DZ	1
29	27	O	DX	2

```
 30     27   O            DY            2
 31     27   O            DZ            1
 32     29   O            DX            1
 33     29   O            DY            1
 34     29   O            DZ            1
 35     33   O            DX            1
 36     33   O            DY            1
 37     33   O            DZ            1
 38     37   O            DX            1
 39     37   O            DY            1
 40     37   O            DZ            1
 41     41   O            DX            1
 42     41   O            DY            1
 43     41   O            DZ            1
 44     45   O            DX            1
 45     45   O            DY            1
 46     45   O            DZ            1
USE OF RESIDUAL SYMMETRY AFTER DISPLACEMENT

NUMERICAL GRADIENT COMPUTED WITH A SINGLE DISPLACEMENT (+dx) FOR EACH
CARTESIAN COORDINATE WITH RESPECT TO THE EQUILIBRIUM CONFIGURATION
dx=  0.003
NUMBER OF IRREDUCIBLE ATOMS                    15
NUMBER OF SCF+GRADIENT CALCULATIONS            46

 ATOM  SYMOP  ORDER
   1      2      2
   3      2      2
   5      2      2
   9      2      2
  13      1      1
  15      1      1
  19      1      1
  21      1      1
  25      1      1
  27      1      1
  29      1      1
  33      1      1
  37      2      2
  41      2      2
  45      1      1

ATOM  : IRREDUCIBLE ATOM
SYMOP : NUMBER OF SYMMETRY OPERATORS THAT DOESN'T MOVE THE IRREDUCIBLE ATOM
ORDER : MAXIMUM ORDER AMONG THE OPERATORS OF THE IRREDUCIBLE ATOM

*******************************************************************************


GCALCO - MAX INDICES DIRECT LATTICE VECTOR    18     9    19
NO.OF VECTORS CREATED 6999 STARS 1041 RMAX   197.35268 BOHR

CAPPA:IS1  4;IS2  4;IS3  4; K PTS MONK NET   18; SYMMOPS: K SPACE  8;G SPACE  4

TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT gordsh1     TELAPSE        1.52 TCPU        0.95

DIMENSIONS  P(G)= 2206952 F(G)=  353010 P(G),F(G) (IRR)  290516
MAX G-VECTOR INDEX FOR 1- AND 2-ELECTRON INTEGRALS 135

TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT INPUT       TELAPSE        1.57 TCPU        1.00
```

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SYMMETRY ALLOWED INTERNAL DEGREE(S) OF FREEDOM:  36
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT SYMM        TELAPSE        2.07 TCPU        1.37
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT INT_SCREEN  TELAPSE        2.13 TCPU        1.43

        THE FIRST POINT IS RESTORED FROM THE FREQINFO.DAT


RESTART FROM  AN INCOMPLETE HESSIAN MATRIX


HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH
                  FORCE CONSTANT MATRIX - NUMERICAL ESTIMATE
HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH
MAX ABS(DGRAD): MAXIMUM ABSOLUTE GRADIENT DIFFERENCE WITH RESPECT TO
                THE CENTRAL POINT
DE:             ENERGY DIFFERENCE WITH RESPECT TO THE CENTRAL POINT
                (DE IS EXPECTED TO BE POSITIVE FOR ALL DISPLACEMENTS)

  ATOM      MAX ABS(DGRAD)       TOTAL ENERGY (AU)  N.CYC      DE       SYM
   CENTRAL POINT               -1.255266345597E+04   21     0.0000E+00    4
   1 CA DX   6.0307E-04      -1.255266345416E+04    9     1.8056E-06    2
   1 CA DY   2.2149E-04      -1.255266345531E+04   10     6.6013E-07    1
   1 CA DZ   3.2569E-04      -1.255266345501E+04    8     9.5852E-07    1
   3 CA DX   5.7128E-04      -1.255266345468E+04   12     1.2892E-06    2
   3 CA DY   3.5959E-04      -1.255266345486E+04   12     1.1028E-06    2
   3 CA DZ   4.9728E-04      -1.255266345452E+04   10     1.4465E-06    1
   5 CA DX   4.2746E-04      -1.255266345481E+04   11     1.1531E-06    1
   5 CA DY   5.6444E-04      -1.255266345490E+04   12     1.0706E-06    1
   5 CA DZ   6.0005E-04      -1.255266345398E+04   14     1.9827E-06    1
   9 CA DX   5.6102E-04      -1.255266345412E+04   12     1.8485E-06    1
   9 CA DY   5.2038E-04      -1.255266345428E+04   14     1.6855E-06    1
   9 CA DZ   5.6398E-04      -1.255266345537E+04   12     5.9547E-07    1
  13 SI DX   2.4226E-03      -1.255266344950E+04   11     6.4675E-06    2
  13 SI DY   2.9962E-03      -1.255266344796E+04   13     8.0075E-06    2
  13 SI DZ   2.5534E-03      -1.255266344870E+04   13     7.2693E-06    1
  15 SI DX   2.6371E-03      -1.255266344731E+04   10     8.6582E-06    1
  15 SI DY   3.1304E-03      -1.255266344795E+04   15     8.0151E-06    1
  15 SI DZ   2.2737E-03      -1.255266345055E+04   13     5.4215E-06    1
  19 SI DX   3.0159E-03      -1.255266344856E+04   14     7.4041E-06    2
  19 SI DY   2.5989E-03      -1.255266344857E+04   13     7.4011E-06    1
  19 SI DZ   2.7619E-03      -1.255266344811E+04   10     7.8577E-06    1
  21 O  DX   7.9436E-04      -1.255266345393E+04   13     2.0403E-06    1
  21 O  DY   6.4503E-04      -1.255266345401E+04   14     1.9534E-06    1
  21 O  DZ   1.5390E-03      -1.255266345105E+04   12     4.9133E-06    1
  25 O  DX   1.6990E-03      -1.255266345038E+04   12     5.5907E-06    2
  25 O  DY   6.3614E-04      -1.255266345420E+04   13     1.7621E-06    2
  25 O  DZ   5.1007E-04      -1.255266345449E+04   11     1.4783E-06    1
  27 O  DX   3.9745E-04      -1.255266345490E+04   11     1.0640E-06    2
  27 O  DY   1.9273E-03      -1.255266345035E+04   17     5.6200E-06    2
  27 O  DZ   4.3938E-04      -1.255266345468E+04   11     1.2822E-06    1
  29 O  DX   7.4551E-04      -1.255266345357E+04   11     2.3947E-06    1
  29 O  DY   6.6398E-04      -1.255266345413E+04   14     1.8413E-06    1
  29 O  DZ   1.4667E-03      -1.255266345181E+04   12     4.1538E-06    1
  33 O  DX   1.8922E-03      -1.255266345148E+04   12     4.4892E-06    1
  33 O  DY   7.0718E-04      -1.255266345426E+04   13     1.7054E-06    1
  33 O  DZ   4.6581E-04      -1.255266345392E+04   12     2.0464E-06    1
  37 O  DX   1.1996E-03      -1.255266345222E+04   11     3.7421E-06    1
  37 O  DY   9.9020E-04      -1.255266345215E+04   13     3.8140E-06    1
  37 O  DZ   1.4920E-03      -1.255266345155E+04   13     4.4137E-06    1
  41 O  DX   4.6047E-04      -1.255266345504E+04   10     9.2581E-07    1
  41 O  DY   2.0452E-03      -1.255266345061E+04   15     5.3618E-06    1
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  41 O  DZ   4.0181E-04      -1.255266345473E+04    12     1.2333E-06    1
  45 O  DX   1.0791E-03      -1.255266345267E+04    17     3.3019E-06    1
  45 O  DY   1.1244E-03      -1.255266345228E+04    12     3.6876E-06    1
  45 O  DZ   1.0979E-03      -1.255266345246E+04    14     3.5037E-06    1

GCALCO - MAX INDICES DIRECT LATTICE VECTOR    18     9    19
NO.OF VECTORS CREATED 6999 STARS 1041 RMAX   197.35268 BOHR

CAPPA:IS1  4;IS2  4;IS3  4; K PTS MONK NET   18; SYMMOPS: K SPACE  8;G SPACE  4

TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT gordsh1     TELAPSE    29309.72 TCPU    28862.18

DIMENSIONS  P(G)= 2206952 F(G)=  353010 P(G),F(G) (IRR)  290516
MAX G-VECTOR INDEX FOR 1- AND 2-ELECTRON INTEGRALS 135

TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT INPUT       TELAPSE    29309.74 TCPU    28862.20

SYMMETRY ALLOWED INTERNAL DEGREE(S) OF FREEDOM:  36
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT SYMM        TELAPSE    29310.22 TCPU    28862.48
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT INT_SCREEN  TELAPSE    29310.28 TCPU    28862.54

+++ SYMMETRY ADAPTION OF VIBRATIONAL MODES +++

SYMMETRY INFORMATION:
K-LITTLE GROUP: CLASS TABLE, CHARACTER TABLE.
IRREP-(DIMENSION, NO. IRREDUCIBLE SETS)
[WARNINGS: (1) ONLY ACTIVE IRREPS ARE GENERATED AND LISTED.
           (2) ONLY RELEVANT CLASSES ARE CONSIDERED IN THE CHARACTER TABLE
           (3) SYMBOLS MAY NOT FULLY COINCIDE WITH THOSE FROM TEXT BOOKS.
IN CLASSES WRITTEN AS CX.Y OR SX.Y, X.Y IS A DECIMAL NUMBER THAT
APPROACHES THE OPERATION FRACTIONAL ORDER.]

(P, D, RP, RD, STAND FOR PAIRING, DOUBLING, REAL PAIRING AND REAL DOUBLING
OF THE IRREPS (SEE MANUAL))

K[   1] (  0  0  0)

CLASS | GROUP OPERATORS (SEE SYMMOPS KEYWORD)
-----------------------------------------------------------------------
C2    |  2;
SGV   |  3;
SGV'  |  4;

IRREP/CLA   E    C2    SGV   SGV'
--------------------------------
   A1  |  1.00  1.00  1.00  1.00
   A2  |  1.00  1.00 -1.00 -1.00
   B1  |  1.00 -1.00  1.00 -1.00
   B2  |  1.00 -1.00 -1.00  1.00

A1 -(1,  37); A2 -(1,  33); B1 -(1,  35); B2 -(1,  39);


HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH
EIGENVALUES (EIGV) OF THE MASS WEIGHTED HESSIAN MATRIX AND HARMONIC
FREQUENCIES. IRREP LABELS REFER TO SYMMETRY REPRESENTATION ANALYSIS;  A AND I
INDICATE WHETHER THE MODE IS ACTIVE OR INACTIVE, RESPECTIVELY, FOR IR AND
RAMAN; IR INTENSITIES IN BRACKETS.

CONVERSION FACTORS FOR FREQUENCIES:
     1 CM**(-1) =   0.2194746E+06 HARTREE
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1 THZ = 0.2997925E-01 CM**(-1)

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MODES		EIGV	FREQUENCIES		IRREP	IR	INTENS	RAMAN
		(HARTREE**2)	(CM**-1)	(THZ)			(KM/MOL)	
1-	1	-0.9357E-10	-2.1231	-0.0636	(B2)	A (	0.00)	A
2-	2	-0.7924E-10	-1.9537	-0.0586	(A1)	A (	0.00)	A
3-	3	-0.4747E-10	-1.5121	-0.0453	(B1)	A (	0.00)	A
4-	4	0.1722E-06	91.0697	2.7302	(B1)	A (	0.00)	A
5-	5	0.1847E-06	94.3196	2.8276	(B2)	A (	0.00)	A
6-	6	0.2065E-06	99.7380	2.9901	(A2)	I (	0.00)	A
7-	7	0.2544E-06	110.6899	3.3184	(A2)	I (	0.00)	A
8-	8	0.2670E-06	113.3979	3.3996	(B2)	A (	0.00)	A
9-	9	0.2764E-06	115.3911	3.4593	(B1)	A (	0.00)	A
10-	10	0.2830E-06	116.7560	3.5003	(A1)	A (	0.00)	A
11-	11	0.3288E-06	125.8407	3.7726	(B1)	A (	0.00)	A
12-	12	0.3370E-06	127.4036	3.8195	(A1)	A (	0.00)	A
13-	13	0.3446E-06	128.8419	3.8626	(A2)	I (	0.00)	A
14-	14	0.3507E-06	129.9695	3.8964	(B2)	A (	0.00)	A
15-	15	0.4242E-06	142.9400	4.2852	(B1)	A (	0.00)	A
16-	16	0.4388E-06	145.3886	4.3586	(B2)	A (	0.00)	A
17-	17	0.4488E-06	147.0363	4.4080	(A2)	I (	0.00)	A
18-	18	0.4687E-06	150.2503	4.5044	(A1)	A (	0.00)	A
19-	19	0.4849E-06	152.8327	4.5818	(B2)	A (	0.00)	A
20-	20	0.5136E-06	157.2901	4.7154	(A1)	A (	0.00)	A
21-	21	0.5493E-06	162.6691	4.8767	(B1)	A (	0.00)	A
22-	22	0.5640E-06	164.8255	4.9413	(A2)	I (	0.00)	A
23-	23	0.6014E-06	170.1968	5.1024	(B2)	A (	0.00)	A
24-	24	0.6349E-06	174.8759	5.2426	(B1)	A (	0.00)	A
25-	25	0.6723E-06	179.9611	5.3951	(B2)	A (	0.00)	A
26-	26	0.6871E-06	181.9315	5.4542	(B1)	A (	0.00)	A
27-	27	0.6892E-06	182.2053	5.4624	(A2)	I (	0.00)	A
28-	28	0.7110E-06	185.0618	5.5480	(A1)	A (	0.00)	A
29-	29	0.7652E-06	191.9884	5.7557	(B2)	A (	0.00)	A
30-	30	0.7831E-06	194.2170	5.8225	(B1)	A (	0.00)	A
31-	31	0.8290E-06	199.8300	5.9908	(A2)	I (	0.00)	A
32-	32	0.8339E-06	200.4158	6.0083	(A1)	A (	0.00)	A
33-	33	0.8568E-06	203.1565	6.0905	(B1)	A (	0.00)	A
34-	34	0.8950E-06	207.6353	6.2248	(B2)	A (	0.00)	A
35-	35	0.8972E-06	207.8844	6.2322	(A1)	A (	0.00)	A
36-	36	0.9032E-06	208.5762	6.2530	(B1)	A (	0.00)	A
37-	37	0.1013E-05	220.8547	6.6211	(A2)	I (	0.00)	A
38-	38	0.1021E-05	221.7700	6.6485	(A1)	A (	0.00)	A
39-	39	0.1043E-05	224.1357	6.7194	(B2)	A (	0.00)	A
40-	40	0.1117E-05	231.9249	6.9529	(A1)	A (	0.00)	A
41-	41	0.1140E-05	234.3401	7.0253	(B1)	A (	0.00)	A
42-	42	0.1212E-05	241.6047	7.2431	(A2)	I (	0.00)	A
43-	43	0.1238E-05	244.1698	7.3200	(B2)	A (	0.00)	A
44-	44	0.1257E-05	246.0481	7.3763	(A1)	A (	0.00)	A
45-	45	0.1258E-05	246.1655	7.3799	(B2)	A (	0.00)	A
46-	46	0.1272E-05	247.5394	7.4210	(A2)	I (	0.00)	A
47-	47	0.1324E-05	252.5095	7.5700	(A1)	A (	0.00)	A
48-	48	0.1336E-05	253.6715	7.6049	(A2)	I (	0.00)	A
49-	49	0.1337E-05	253.7375	7.6069	(B2)	A (	0.00)	A
50-	50	0.1349E-05	254.9143	7.6421	(B1)	A (	0.00)	A
51-	51	0.1379E-05	257.7220	7.7263	(A1)	A (	0.00)	A
52-	52	0.1390E-05	258.7681	7.7577	(A2)	I (	0.00)	A
53-	53	0.1443E-05	263.6310	7.9035	(A2)	I (	0.00)	A
54-	54	0.1518E-05	270.4015	8.1064	(B1)	A (	0.00)	A
55-	55	0.1523E-05	270.8732	8.1206	(A1)	A (	0.00)	A

56-	56	0.1546E-05	272.8705	8.1805	(B2)	A (	0.00) A
57-	57	0.1613E-05	278.7170	8.3557	(B1)	A (	0.00) A
58-	58	0.1637E-05	280.7980	8.4181	(A1)	A (	0.00) A
59-	59	0.1681E-05	284.5874	8.5317	(B1)	A (	0.00) A
60-	60	0.1685E-05	284.8589	8.5399	(A2)	I (	0.00) A
61-	61	0.1689E-05	285.2065	8.5503	(B2)	A (	0.00) A
62-	62	0.1826E-05	296.6131	8.8922	(B2)	A (	0.00) A
63-	63	0.1858E-05	299.1421	8.9681	(A2)	I (	0.00) A
64-	64	0.1859E-05	299.2529	8.9714	(A1)	A (	0.00) A
65-	65	0.1924E-05	304.4010	9.1257	(B2)	A (	0.00) A
66-	66	0.1979E-05	308.7303	9.2555	(B1)	A (	0.00) A
67-	67	0.2126E-05	319.9764	9.5927	(B2)	A (	0.00) A
68-	68	0.2130E-05	320.2946	9.6022	(A1)	A (	0.00) A
69-	69	0.2143E-05	321.2901	9.6320	(A2)	I (	0.00) A
70-	70	0.2241E-05	328.5874	9.8508	(A2)	I (	0.00) A
71-	71	0.2262E-05	330.0938	9.8960	(B1)	A (	0.00) A
72-	72	0.2353E-05	336.6607	10.0928	(B1)	A (	0.00) A
73-	73	0.2411E-05	340.8049	10.2171	(A1)	A (	0.00) A
74-	74	0.2457E-05	344.0006	10.3129	(B2)	A (	0.00) A
75-	75	0.2526E-05	348.7862	10.4563	(A1)	A (	0.00) A
76-	76	0.2574E-05	352.1279	10.5565	(B1)	A (	0.00) A
77-	77	0.2641E-05	356.6723	10.6928	(A2)	I (	0.00) A
78-	78	0.2707E-05	361.0981	10.8254	(B2)	A (	0.00) A
79-	79	0.2733E-05	362.8099	10.8768	(A1)	A (	0.00) A
80-	80	0.2905E-05	374.0982	11.2152	(A2)	I (	0.00) A
81-	81	0.3110E-05	387.0687	11.6040	(B1)	A (	0.00) A
82-	82	0.3111E-05	387.1074	11.6052	(B2)	A (	0.00) A
83-	83	0.3272E-05	396.9978	11.9017	(B2)	A (	0.00) A
84-	84	0.3289E-05	398.0133	11.9321	(B1)	A (	0.00) A
85-	85	0.3312E-05	399.4262	11.9745	(A1)	A (	0.00) A
86-	86	0.3539E-05	412.9093	12.3787	(A2)	I (	0.00) A
87-	87	0.3540E-05	412.9170	12.3789	(B2)	A (	0.00) A
88-	88	0.3675E-05	420.7202	12.6129	(B1)	A (	0.00) A
89-	89	0.3748E-05	424.8696	12.7373	(A2)	I (	0.00) A
90-	90	0.3854E-05	430.8824	12.9175	(B1)	A (	0.00) A
91-	91	0.3883E-05	432.4979	12.9660	(A1)	A (	0.00) A
92-	92	0.3983E-05	437.9924	13.1307	(B2)	A (	0.00) A
93-	93	0.4631E-05	472.3075	14.1594	(B1)	A (	0.00) A
94-	94	0.4718E-05	476.7066	14.2913	(A2)	I (	0.00) A
95-	95	0.4804E-05	481.0517	14.4216	(B2)	A (	0.00) A
96-	96	0.4836E-05	482.6387	14.4691	(A1)	A (	0.00) A
97-	97	0.5157E-05	498.3860	14.9412	(A2)	I (	0.00) A
98-	98	0.5397E-05	509.8604	15.2852	(A1)	A (	0.00) A
99-	99	0.5431E-05	511.4612	15.3332	(B1)	A (	0.00) A
100-	100	0.5474E-05	513.5171	15.3949	(B2)	A (	0.00) A
101-	101	0.5664E-05	522.3506	15.6597	(A2)	I (	0.00) A
102-	102	0.5860E-05	531.2972	15.9279	(A1)	A (	0.00) A
103-	103	0.5917E-05	533.8844	16.0055	(B2)	A (	0.00) A
104-	104	0.6052E-05	539.9409	16.1870	(B1)	A (	0.00) A
105-	105	0.6247E-05	548.5565	16.4453	(A1)	A (	0.00) A
106-	106	0.6422E-05	556.1780	16.6738	(A2)	I (	0.00) A
107-	107	0.6644E-05	565.7138	16.9597	(A1)	A (	0.00) A
108-	108	0.6692E-05	567.7733	17.0214	(B2)	A (	0.00) A
109-	109	0.6705E-05	568.3015	17.0372	(B1)	A (	0.00) A
110-	110	0.6912E-05	577.0073	17.2982	(B2)	A (	0.00) A
111-	111	0.6952E-05	578.6851	17.3485	(A1)	A (	0.00) A
112-	112	0.7170E-05	587.6966	17.6187	(A2)	I (	0.00) A
113-	113	0.9279E-05	668.5653	20.0431	(A1)	A (	0.00) A
114-	114	0.9578E-05	679.2445	20.3632	(A2)	I (	0.00) A
115-	115	0.1041E-04	708.0469	21.2267	(B1)	A (	0.00) A
116-	116	0.1046E-04	709.8980	21.2822	(B2)	A (	0.00) A

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 117- 117    0.1398E-04    820.7474   24.6054  (B2 )   A (     0.00)   A
 118- 118    0.1401E-04    821.3984   24.6249  (A1 )   A (     0.00)   A
 119- 119    0.1411E-04    824.4722   24.7171  (B1 )   A (     0.00)   A
 120- 120    0.1432E-04    830.5843   24.9003  (B2 )   A (     0.00)   A
 121- 121    0.1494E-04    848.2964   25.4313  (A2 )   I (     0.00)   A
 122- 122    0.1503E-04    850.9464   25.5107  (A1 )   A (     0.00)   A
 123- 123    0.1550E-04    864.0546   25.9037  (A1 )   A (     0.00)   A
 124- 124    0.1617E-04    882.4412   26.4549  (B2 )   A (     0.00)   A
 125- 125    0.1624E-04    884.5126   26.5170  (A2 )   I (     0.00)   A
 126- 126    0.1639E-04    888.4763   26.6359  (B1 )   A (     0.00)   A
 127- 127    0.1667E-04    896.0043   26.8615  (B2 )   A (     0.00)   A
 128- 128    0.1673E-04    897.6453   26.9107  (A1 )   A (     0.00)   A
 129- 129    0.1696E-04    903.8423   27.0965  (A2 )   I (     0.00)   A
 130- 130    0.1742E-04    915.9512   27.4595  (B1 )   A (     0.00)   A
 131- 131    0.1768E-04    922.8638   27.6668  (B1 )   A (     0.00)   A
 132- 132    0.1804E-04    932.3091   27.9499  (A1 )   A (     0.00)   A
 133- 133    0.1814E-04    934.8533   28.0262  (B2 )   A (     0.00)   A
 134- 134    0.1864E-04    947.5727   28.4075  (A1 )   A (     0.00)   A
 135- 135    0.1869E-04    948.7198   28.4419  (A2 )   I (     0.00)   A
 136- 136    0.1913E-04    959.9044   28.7772  (B2 )   A (     0.00)   A
 137- 137    0.1975E-04    975.3016   29.2388  (A1 )   A (     0.00)   A
 138- 138    0.1984E-04    977.6905   29.3104  (B1 )   A (     0.00)   A
 139- 139    0.2003E-04    982.2283   29.4465  (B2 )   A (     0.00)   A
 140- 140    0.2055E-04    994.8184   29.8239  (A1 )   A (     0.00)   A
 141- 141    0.2074E-04    999.4520   29.9628  (A2 )   I (     0.00)   A
 142- 142    0.2144E-04   1016.1355   30.4630  (A2 )   I (     0.00)   A
 143- 143    0.2244E-04   1039.6749   31.1687  (B2 )   A (     0.00)   A
 144- 144    0.2262E-04   1043.9050   31.2955  (B1 )   A (     0.00)   A

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VIBRATIONAL ANALYSIS:
1) EACH PAIR OF BONDED ATOMS (I.E. WITHIN THEIR VAN DER WAALS DISTANCE) A AND
B IS EXAMINED TO SEE IF THERE IS A LARGE RELATIVE MOTION BETWEEN THEM.
2) IF SO, THE AB MOTION IS DECOMPOSED IN THREE COMPONENTS: ALONG A-B(LONG),
ON THE PLANE CONTAING A THIRD ATOM C (ANG) AND OUT OF THE PLANE (OUT).
LONG+ANG+OUT=1.
3) THE MODES ARE CLASSIFIED SO AS: LONG > 0.85 -> STRETCHING (S);
ANG > 0.85 -> BENDING (B); OTHERWISE -> OTHER (O). TYPE (?) MEANS THE MODE IS
LIKELY TO BE ROTATIONAL. THE POTENTIAL ENERGY CONTRIBUTION (PEC) IS IN KJ/MOL.
HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH

 MODE FRQ(CM**-1) IRREP TYP     A      B  LONG      C  ANG      PEC
   1     -2.1231  (B2 )
   2     -1.9537  (A1 )
   3     -1.5121  (B1 )
   4     91.0697  (B1 )
                        (?)    5 CA   8 CA(0.0)  10 CA(1.0)    0.0
                        (?)    7 CA   6 CA(0.0)  12 CA(1.0)    0.0
   5     94.3196  (B2 )
                        (?)    1 CA   5 CA(0.0)  17 SI(1.0)    0.0
                        (?)    1 CA   6 CA(0.0)  18 SI(1.0)    0.0
                        (?)    2 CA   7 CA(0.0)  15 SI(1.0)    0.0
                        (?)    2 CA   8 CA(0.0)  16 SI(1.0)    0.0
   6     99.7380  (A2 )
                        (?)    3 CA   5 CA(0.0)  11 CA(1.0)    0.0
                        (?)    3 CA   8 CA(0.0)  10 CA(1.0)    0.0
                        (?)    4 CA   6 CA(0.0)  12 CA(1.0)   -0.1
                        (?)    4 CA   7 CA(0.0)   9 CA(1.0)    0.0
                        (?)    8 CA   5 CA(0.0)   1 CA(1.0)    0.0
                        (?)   11 CA   5 CA(0.1)   3 CA(0.9)    0.0
                        (?)    6 CA   7 CA(0.0)   2 CA(1.0)    0.0
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                    (?)   12 CA   6 CA(0.1)   4 CA(0.9)    0.0
                    (?)    9 CA   7 CA(0.1)   4 CA(0.9)    0.0
                    (?)   10 CA   8 CA(0.1)   3 CA(0.9)    0.0
 7    110.6899  (A2 )
                    (S)   33 O    1 CA(0.7)  11 CA(0.3)    0.0
                    (S)   34 O    1 CA(0.7)  12 CA(0.3)    0.0
                    (S)    2 CA  35 O (0.7)  11 CA(0.3)    0.0
                    (S)    2 CA  36 O (0.7)  12 CA(0.3)    0.0
                    (B)    8 CA   5 CA(0.0)   4 CA(1.0)    0.0
                    (B)    7 CA   6 CA(0.0)   3 CA(1.0)    0.0
 8    113.3979  (B2 )
                    (B)   45 O    1 CA(0.1)   5 CA(0.9)    0.0
                    (B)   46 O    1 CA(0.1)   6 CA(0.9)    0.0
                    (B)   47 O    2 CA(0.1)   7 CA(0.9)    0.0
                    (B)   48 O    2 CA(0.1)   8 CA(0.9)    0.0
                    (B)   45 O    9 CA(0.0)  21 O (0.9)    0.0
                    (B)   46 O   10 CA(0.0)  22 O (0.9)    0.0
                    (B)   47 O   11 CA(0.0)  23 O (0.9)    0.0
                    (B)   48 O   12 CA(0.0)  24 O (0.9)    0.0
 9    115.3911  (B1 )
                    (B)    1 CA  11 CA(0.0)   7 CA(1.0)    0.0
                    (B)    1 CA  12 CA(0.0)   8 CA(1.0)    0.0
                    (O)   19 SI   1 CA(0.0)  45 O (0.7)    0.0
                    (O)    2 CA  20 SI(0.0)  48 O (0.7)    0.0
10    116.7560  (A1 )
                    (B)    5 CA   1 CA(0.0)  46 O (0.9)    0.0
                    (B)    6 CA   1 CA(0.0)  45 O (0.9)    0.0
                    (B)    7 CA   2 CA(0.0)  48 O (0.9)    0.0
                    (B)    8 CA   2 CA(0.0)  47 O (0.9)    0.0
11    125.8407  (B1 )
                    (B)    1 CA  19 SI(0.0)  37 O (1.0)    0.0
                    (B)   39 O    1 CA(0.0)  43 O (1.0)    0.0
                    (B)   40 O    1 CA(0.0)  44 O (1.0)    0.0
                    (S)   43 O    1 CA(1.0)                0.0
                    (S)   44 O    1 CA(1.0)                0.0
                    (B)   45 O    1 CA(0.0)  33 O (1.0)    0.0
                    (B)   46 O    1 CA(0.0)  34 O (1.0)    0.0
                    (B)    2 CA  20 SI(0.0)  40 O (1.0)    0.0
                    (B)   47 O    2 CA(0.0)  35 O (1.0)    0.0
                    (B)   48 O    2 CA(0.0)  36 O (1.0)    0.0
                    (S)    9 CA   5 CA(0.6)   9 CA(0.4)    0.0
                    (B)    9 CA   5 CA(0.3)   9 CA(0.7)    0.0
                    (S)   10 CA   6 CA(0.6)  10 CA(0.4)    0.0
                    (B)   10 CA   6 CA(0.3)  10 CA(0.7)    0.0
                    (S)   11 CA   7 CA(0.6)  11 CA(0.4)    0.0
                    (B)   11 CA   7 CA(0.3)  11 CA(0.7)    0.0
                    (S)   12 CA   8 CA(0.6)  12 CA(0.4)    0.0
                    (B)   12 CA   8 CA(0.3)  12 CA(0.7)    0.0
12    127.4036  (A1 )
                    (B)   11 CA   5 CA(0.1)  21 O (0.9)    0.0
                    (B)   12 CA   6 CA(0.1)  22 O (0.9)    0.0
                    (B)    9 CA   7 CA(0.1)  23 O (0.9)    0.0
                    (B)   10 CA   8 CA(0.1)  24 O (0.9)    0.0
13    128.8419  (A2 )
                    (B)    8 CA   5 CA(0.0)   9 CA(1.0)    0.0
                    (B)    7 CA   6 CA(0.0)  10 CA(1.0)    0.0
14    129.9695  (B2 )
                    (B)   11 CA   1 CA(0.2)   6 CA(0.8)    0.0
                    (B)   12 CA   1 CA(0.2)   5 CA(0.8)    0.0
15    142.9400  (B1 )
                    (B)   11 CA   1 CA(0.3)   6 CA(0.7)    0.0
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                    (B)   12 CA   1 CA(0.3)   5 CA(0.7)    0.0
                    (B)   19 SI   1 CA(0.0)  43 O (1.0)    0.0
                    (B)   39 O    1 CA(0.4)  44 O (0.5)    0.0
                    (B)   40 O    1 CA(0.4)  43 O (0.5)    0.0
                    (B)   20 SI   2 CA(0.0)  47 O (0.9)    0.0
16    145.3886  (B2 )
                    (B)    1 CA   5 CA(0.2)  27 O (0.8)    0.0
                    (B)    1 CA   6 CA(0.2)  28 O (0.8)   -0.1
                    (B)   45 O    1 CA(0.0)  40 O (0.9)    0.0
                    (B)   46 O    1 CA(0.0)  39 O (0.9)    0.0
                    (B)    2 CA   7 CA(0.2)  28 O (0.8)    0.0
                    (B)    2 CA   8 CA(0.2)  27 O (0.8)    0.0
                    (O)   47 O    2 CA(0.0)  35 O (0.7)    0.0
                    (O)   48 O    2 CA(0.0)  36 O (0.7)    0.0
17    147.0363  (A2 )
                    (B)   11 CA   1 CA(0.1)  12 CA(0.9)    0.0
                    (B)   12 CA   1 CA(0.1)  19 SI(0.9)    0.0
                    (S)   39 O    1 CA(0.5)  19 SI(0.4)    0.0
                    (S)   40 O    1 CA(0.5)  39 O (0.4)    0.0
                    (B)    9 CA  33 O (0.0)   1 CA(0.9)    0.0
                    (B)   10 CA  34 O (0.0)   1 CA(0.9)    0.0
                    (B)   35 O   11 CA(0.0)   1 CA(0.9)    0.0
                    (B)   36 O   12 CA(0.0)   1 CA(0.9)    0.0
18    150.2503  (A1 )
                    (B)    5 CA   3 CA(0.0)   6 CA(1.0)    0.0
                    (B)    8 CA   3 CA(0.0)   7 CA(1.0)    0.0
                    (B)    6 CA   4 CA(0.0)   5 CA(1.0)    0.0
                    (B)    7 CA   4 CA(0.0)   8 CA(1.0)   -0.1
19    152.8327  (B2 )
                    (B)   19 SI   1 CA(0.0)  43 O (1.0)    0.0
                    (B)   33 O    1 CA(0.3)   6 CA(0.7)    0.0
                    (B)   34 O    1 CA(0.3)   5 CA(0.7)    0.0
                    (S)   43 O    1 CA(1.0)                0.0
                    (S)   44 O    1 CA(1.0)                0.0
                    (B)   45 O    1 CA(0.2)  43 O (0.8)    0.0
                    (B)   46 O    1 CA(0.2)  44 O (0.8)    0.0
                    (B)   20 SI   2 CA(0.0)  47 O (1.0)    0.0
                    (B)   35 O    2 CA(0.3)   8 CA(0.7)    0.0
                    (B)   36 O    2 CA(0.3)   7 CA(0.7)    0.0
                    (B)   47 O    2 CA(0.2)  20 SI(0.7)    0.0
                    (B)   48 O    2 CA(0.2)  47 O (0.7)    0.0
20    157.2901  (A1 )
                    (S)    8 CA   5 CA(1.0)                0.0
                    (B)   13 SI   5 CA(0.0)  25 O (1.0)    0.0
                    (S)    7 CA   6 CA(1.0)                0.0
                    (B)   14 SI   6 CA(0.0)  26 O (1.0)    0.0
                    (B)    7 CA  14 SI(0.0)  26 O (1.0)    0.0
                    (B)    8 CA  13 SI(0.0)  25 O (1.0)    0.0
21    162.6691  (B1 )
                    (S)    5 CA   1 CA(0.9)                0.0
                    (S)    6 CA   1 CA(0.9)                0.0
                    (B)    1 CA  11 CA(0.0)  35 O (1.0)    0.0
                    (B)    1 CA  12 CA(0.0)  36 O (1.0)    0.0
                    (S)    7 CA   2 CA(0.9)                0.0
                    (S)    8 CA   2 CA(0.9)                0.0
                    (B)    5 CA  11 CA(0.1)  35 O (0.9)    0.0
                    (B)    6 CA  12 CA(0.1)  36 O (0.9)    0.0
                    (B)    7 CA   9 CA(0.1)  33 O (0.9)    0.0
                    (B)    8 CA  10 CA(0.1)  34 O (0.9)    0.0
                    (O)   45 O    9 CA(0.0)  21 O (0.5)    0.0
                    (O)   46 O   10 CA(0.0)  22 O (0.5)    0.0
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                    (O)   47 O   11 CA(0.0)  23 O (0.5)    0.0
                    (O)   48 O   12 CA(0.0)  24 O (0.5)    0.0
22    164.8255  (A2 )
                    (B)    9 CA   5 CA(0.0)  27 O (1.0)    0.0
                    (B)    9 CA   5 CA(0.2)   1 CA(0.8)    0.0
                    (B)   10 CA   6 CA(0.0)  28 O (1.0)    0.0
                    (B)   10 CA   6 CA(0.2)   1 CA(0.8)    0.0
                    (B)   11 CA   7 CA(0.0)  28 O (1.0)    0.0
                    (B)   11 CA   7 CA(0.2)   2 CA(0.8)    0.0
                    (B)   12 CA   8 CA(0.0)  27 O (1.0)    0.0
                    (B)   12 CA   8 CA(0.2)   2 CA(0.8)    0.0
23    170.1968  (B2 )
                    (S)   33 O    1 CA(1.0)                0.0
                    (S)   34 O    1 CA(1.0)                0.0
                    (S)   35 O    2 CA(1.0)                0.0
                    (S)   36 O    2 CA(1.0)                0.0
24    174.8759  (B1 )
                    (S)   33 O    1 CA(0.9)                0.0
                    (S)   34 O    1 CA(0.9)                0.0
                    (S)   35 O    2 CA(0.9)                0.0
                    (S)   36 O    2 CA(0.9)                0.0
25    179.9611  (B2 )
                    (B)    1 CA   5 CA(0.3)  17 SI(0.7)    0.0
                    (B)    1 CA   6 CA(0.3)  18 SI(0.7)    0.0
                    (B)   11 CA   1 CA(0.0)  33 O (1.0)    0.0
                    (B)   12 CA   1 CA(0.0)  34 O (1.0)    0.0
                    (S)   39 O    1 CA(0.8)  45 O (0.2)    0.0
                    (S)   40 O    1 CA(0.8)  46 O (0.2)    0.0
                    (B)   45 O    1 CA(0.0)  12 CA(1.0)    0.0
                    (B)   46 O    1 CA(0.0)  11 CA(1.0)    0.0
                    (B)    2 CA   7 CA(0.3)  15 SI(0.7)    0.0
                    (B)    2 CA   8 CA(0.3)  16 SI(0.7)    0.0
                    (B)   47 O    2 CA(0.0)  35 O (0.9)    0.0
                    (B)   48 O    2 CA(0.0)  36 O (0.9)    0.0
26    181.9315  (B1 )
                    (B)    8 CA   5 CA(0.0)  27 O (1.0)    0.0
                    (B)    7 CA   6 CA(0.0)  28 O (1.0)    0.0
27    182.2053  (A2 )
                    (B)   45 O    1 CA(0.0)  33 O (1.0)    0.0
                    (B)   46 O    1 CA(0.0)  34 O (1.0)    0.0
                    (B)   47 O    2 CA(0.0)  35 O (1.0)    0.0
                    (B)   48 O    2 CA(0.0)  36 O (1.0)    0.0
                    (O)   45 O    9 CA(0.1)  21 O (0.7)    0.0
                    (O)   46 O   10 CA(0.1)  22 O (0.7)    0.0
                    (O)   47 O   11 CA(0.1)  23 O (0.7)    0.0
                    (O)   48 O   12 CA(0.1)  24 O (0.7)    0.0
                    (O)   45 O   19 SI(0.0)  37 O (0.7)    0.0
                    (O)   46 O   19 SI(0.0)  38 O (0.7)    0.0
                    (O)   47 O   20 SI(0.0)  39 O (0.7)    0.0
                    (O)   48 O   20 SI(0.0)  40 O (0.7)    0.0
28    185.0618  (A1 )
                    (B)   29 O    3 CA(0.0)   7 CA(1.0)    0.0
                    (B)   32 O    3 CA(0.0)   6 CA(1.0)    0.0
                    (B)   30 O    4 CA(0.0)   8 CA(1.0)    0.0
                    (B)   31 O    4 CA(0.0)   5 CA(1.0)    0.0
                    (B)   43 O    5 CA(0.0)  27 O (0.9)    0.0
                    (B)   44 O    6 CA(0.0)  28 O (0.9)    0.0
                    (B)   41 O    7 CA(0.0)  28 O (0.9)    0.0
                    (B)   42 O    8 CA(0.0)  27 O (0.9)    0.0
29    191.9884  (B2 )
                    (B)    6 CA   3 CA(0.0)   7 CA(1.0)   -0.1
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                        (S)    6 CA   3 CA(0.6)  27 O (0.4)   -0.1
                        (B)    7 CA   3 CA(0.0)   6 CA(1.0)   -0.1
                        (S)    7 CA   3 CA(0.6)  27 O (0.4)   -0.1
                        (B)    5 CA   4 CA(0.0)   8 CA(1.0)    0.0
                        (S)    5 CA   4 CA(0.6)  28 O (0.4)    0.0
                        (B)    8 CA   4 CA(0.0)   5 CA(1.0)    0.0
                        (S)    8 CA   4 CA(0.6)  28 O (0.4)    0.0
30    194.2170  (B1 )
                        (B)    9 CA  15 SI(0.0)  37 O (1.0)    0.0
                        (B)   29 O    9 CA(0.2)  21 O (0.8)    0.0
                        (B)   37 O    9 CA(0.5)  45 O (0.5)    0.0
                        (O)   41 O    9 CA(0.0)  21 O (0.8)    0.0
                        (B)   10 CA  16 SI(0.0)  38 O (1.0)    0.0
                        (B)   30 O   10 CA(0.2)  22 O (0.8)    0.0
                        (B)   38 O   10 CA(0.5)  46 O (0.5)    0.0
                        (O)   42 O   10 CA(0.0)  22 O (0.8)    0.0
                        (B)   11 CA  17 SI(0.0)  39 O (1.0)    0.0
                        (B)   31 O   11 CA(0.2)  23 O (0.8)    0.0
                        (B)   39 O   11 CA(0.5)  47 O (0.5)    0.0
                        (O)   43 O   11 CA(0.0)  23 O (0.8)    0.0
                        (B)   12 CA  18 SI(0.0)  40 O (1.0)    0.0
                        (B)   32 O   12 CA(0.2)  24 O (0.8)    0.0
                        (B)   40 O   12 CA(0.5)  48 O (0.5)    0.0
                        (O)   44 O   12 CA(0.0)  24 O (0.8)    0.0
31    199.8300  (A2 )
                        (B)    6 CA   3 CA(0.3)  21 O (0.7)    0.0
                        (B)    3 CA   6 CA(0.0)  28 O (1.0)    0.0
                        (B)    7 CA   3 CA(0.3)  24 O (0.7)    0.0
                        (B)    3 CA   7 CA(0.0)  28 O (1.0)    0.0
                        (B)    5 CA   4 CA(0.3)  22 O (0.7)    0.0
                        (B)    4 CA   5 CA(0.0)  27 O (1.0)    0.0
                        (B)    8 CA   4 CA(0.3)  23 O (0.7)    0.0
                        (B)    4 CA   8 CA(0.0)  27 O (1.0)    0.0
                        (B)   25 O    5 CA(0.2)   8 CA(0.8)    0.0
                        (B)   31 O    5 CA(0.0)  11 CA(1.0)    0.0
                        (B)   26 O    6 CA(0.2)   7 CA(0.8)    0.0
                        (B)   32 O    6 CA(0.0)  12 CA(1.0)    0.0
                        (B)   26 O    7 CA(0.2)   6 CA(0.8)    0.1
                        (B)   29 O    7 CA(0.0)   9 CA(1.0)    0.1
                        (B)   25 O    8 CA(0.2)   5 CA(0.8)    0.0
                        (B)   30 O    8 CA(0.0)  10 CA(1.0)    0.0
32    200.4158  (A1 )
                        (B)    3 CA   5 CA(0.4)  27 O (0.6)    0.0
                        (B)    3 CA   8 CA(0.4)  27 O (0.6)    0.0
                        (S)   27 O    3 CA(0.9)                0.0
                        (B)    4 CA   6 CA(0.4)  28 O (0.6)    0.0
                        (B)    7 CA   4 CA(0.4)  28 O (0.6)    0.0
                        (S)   28 O    4 CA(0.9)                0.0
33    203.1565  (B1 )
                        (B)    5 CA   8 CA(0.0)  30 O (0.9)    0.0
                        (S)   31 O    5 CA(0.8)  11 CA(0.2)    0.0
                        (B)    6 CA   7 CA(0.0)  29 O (0.9)    0.0
                        (S)   32 O    6 CA(0.8)  12 CA(0.2)    0.0
                        (S)    7 CA  29 O (0.8)   9 CA(0.2)    0.0
                        (S)   30 O    8 CA(0.8)  10 CA(0.2)    0.0
34    207.6353  (B2 )
                        (B)    3 CA   5 CA(0.0)  17 SI(1.0)    0.0
                        (B)    6 CA   3 CA(0.3)   6 CA(0.7)   -0.1
                        (S)    6 CA   3 CA(0.5)   5 CA(0.5)   -0.1
                        (B)    7 CA   3 CA(0.3)   7 CA(0.7)    0.0
                        (S)    7 CA   3 CA(0.5)   8 CA(0.5)    0.0
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                    (B)    3 CA   8 CA(0.0)  16 SI(1.0)    0.0
                    (B)   26 O    3 CA(0.1)  27 O (0.9)    0.0
                    (B)    5 CA   4 CA(0.3)   5 CA(0.7)    0.0
                    (S)    5 CA   4 CA(0.5)   6 CA(0.5)    0.0
                    (B)    4 CA   6 CA(0.0)  18 SI(1.0)   -0.1
                    (B)    4 CA   7 CA(0.0)  15 SI(1.0)   -0.1
                    (B)    8 CA   4 CA(0.3)   8 CA(0.7)    0.0
                    (S)    8 CA   4 CA(0.5)   7 CA(0.5)    0.0
                    (B)   25 O    4 CA(0.1)  14 SI(0.9)    0.0
35    207.8844  (A1 )
                    (B)   33 O    9 CA(0.3)   5 CA(0.7)    0.0
                    (O)   45 O    9 CA(0.1)  33 O (0.7)    0.0
                    (B)   34 O   10 CA(0.3)   6 CA(0.7)    0.0
                    (O)   46 O   10 CA(0.1)  34 O (0.7)    0.0
                    (B)   35 O   11 CA(0.3)   7 CA(0.7)    0.0
                    (O)   47 O   11 CA(0.1)  35 O (0.7)    0.0
                    (B)   36 O   12 CA(0.3)   8 CA(0.7)    0.0
                    (O)   48 O   12 CA(0.1)  36 O (0.7)    0.0
36    208.5762  (B1 )
                    (B)    3 CA   5 CA(0.4)  11 CA(0.5)    0.0
                    (B)    6 CA   3 CA(0.1)  21 O (0.9)    0.0
                    (B)    3 CA   6 CA(0.0)   1 CA(1.0)    0.0
                    (B)    7 CA   3 CA(0.1)  24 O (0.9)   -0.1
                    (B)    3 CA   7 CA(0.0)   2 CA(1.0)   -0.1
                    (B)    3 CA   8 CA(0.4)  10 CA(0.5)    0.0
                    (B)    5 CA   4 CA(0.1)  22 O (0.9)    0.0
                    (B)    4 CA   5 CA(0.0)   1 CA(1.0)    0.0
                    (B)    4 CA   6 CA(0.4)  12 CA(0.5)    0.0
                    (B)    4 CA   7 CA(0.4)   9 CA(0.5)    0.0
                    (B)    8 CA   4 CA(0.1)  23 O (0.9)    0.0
                    (B)    4 CA   8 CA(0.0)   2 CA(1.0)    0.0
37    220.8547  (A2 )
                    (B)    9 CA   5 CA(0.3)   9 CA(0.7)    0.0
                    (S)    5 CA   9 CA(0.8)  15 SI(0.2)    0.0
                    (B)   10 CA   6 CA(0.3)  10 CA(0.7)    0.0
                    (S)    6 CA  10 CA(0.8)  16 SI(0.2)    0.0
                    (B)   11 CA   7 CA(0.3)  11 CA(0.7)    0.0
                    (S)    7 CA  11 CA(0.8)  17 SI(0.2)    0.0
                    (B)   12 CA   8 CA(0.3)  12 CA(0.7)    0.0
                    (S)    8 CA  12 CA(0.8)  18 SI(0.2)    0.0
                    (B)   21 O    9 CA(0.0)  41 O (1.0)    0.0
                    (B)   29 O    9 CA(0.0)   5 CA(1.0)    0.0
                    (B)   22 O   10 CA(0.0)  42 O (1.0)    0.1
                    (B)   30 O   10 CA(0.0)   6 CA(1.0)    0.1
                    (B)   23 O   11 CA(0.0)  43 O (1.0)    0.0
                    (B)   31 O   11 CA(0.0)   7 CA(1.0)    0.0
                    (B)   24 O   12 CA(0.0)  44 O (1.0)    0.0
                    (B)   32 O   12 CA(0.0)   8 CA(1.0)    0.0
38    221.7700  (A1 )
                    (B)   11 CA   5 CA(0.2)   4 CA(0.8)    0.0
                    (B)   13 SI   5 CA(0.1)  31 O (0.9)    0.0
                    (B)   25 O    5 CA(0.0)  33 O (1.0)    0.0
                    (B)   27 O    5 CA(0.0)   4 CA(1.0)    0.0
                    (B)   12 CA   6 CA(0.2)   3 CA(0.8)    0.0
                    (B)   14 SI   6 CA(0.1)  32 O (0.9)    0.0
                    (B)   26 O    6 CA(0.0)  34 O (1.0)    0.0
                    (B)   28 O    6 CA(0.0)   3 CA(1.0)    0.0
                    (B)    9 CA   7 CA(0.2)   3 CA(0.8)    0.0
                    (B)   14 SI   7 CA(0.1)  29 O (0.9)    0.0
                    (B)   26 O    7 CA(0.0)  35 O (1.0)    0.0
                    (B)   28 O    7 CA(0.0)   3 CA(1.0)    0.0
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                    (B)   10 CA   8 CA(0.2)   4 CA(0.8)    0.0
                    (B)   13 SI   8 CA(0.1)  30 O (0.9)    0.0
                    (B)   25 O    8 CA(0.0)  36 O (1.0)    0.1
                    (B)   27 O    8 CA(0.0)   4 CA(1.0)    0.1
39    224.1357  (B2 )
                    (O)   29 O    9 CA(0.1)  21 O (0.6)    0.0
                    (B)    9 CA  33 O (0.0)   1 CA(1.0)    0.0
                    (S)   37 O    9 CA(0.7)  45 O (0.3)    0.0
                    (O)   30 O   10 CA(0.1)  22 O (0.6)    0.0
                    (B)   10 CA  34 O (0.0)   1 CA(1.0)    0.0
                    (S)   38 O   10 CA(0.7)  46 O (0.3)    0.0
                    (O)   31 O   11 CA(0.1)  23 O (0.6)    0.1
                    (B)   35 O   11 CA(0.0)   1 CA(1.0)    0.1
                    (S)   39 O   11 CA(0.7)  47 O (0.3)    0.0
                    (O)   32 O   12 CA(0.1)  24 O (0.6)    0.0
                    (B)   36 O   12 CA(0.0)   1 CA(1.0)    0.0
                    (S)   40 O   12 CA(0.7)  48 O (0.3)    0.0
40    231.9249  (A1 )
                    (B)    9 CA   5 CA(0.0)  31 O (1.0)    0.0
                    (B)    9 CA   5 CA(0.0)  25 O (1.0)    0.0
                    (B)   11 CA   5 CA(0.5)   4 CA(0.5)    0.0
                    (B)   31 O    5 CA(0.3)  11 CA(0.6)    0.0
                    (B)   10 CA   6 CA(0.0)  32 O (1.0)    0.0
                    (B)   10 CA   6 CA(0.0)  26 O (1.0)    0.0
                    (B)   12 CA   6 CA(0.5)   3 CA(0.5)    0.0
                    (B)   32 O    6 CA(0.3)  12 CA(0.6)    0.0
                    (B)    9 CA   7 CA(0.5)   3 CA(0.5)    0.1
                    (B)   11 CA   7 CA(0.0)  29 O (1.0)    0.0
                    (B)   11 CA   7 CA(0.0)  26 O (1.0)    0.0
                    (B)    7 CA  29 O (0.3)   9 CA(0.6)    0.1
                    (B)   10 CA   8 CA(0.5)   4 CA(0.5)    0.0
                    (B)   12 CA   8 CA(0.0)  30 O (1.0)    0.0
                    (B)   12 CA   8 CA(0.0)  25 O (1.0)    0.0
                    (B)   30 O    8 CA(0.3)  10 CA(0.6)    0.0
                    (B)   33 O    9 CA(0.0)  41 O (1.0)    0.0
                    (B)   34 O   10 CA(0.0)  42 O (1.0)    0.0
                    (B)   35 O   11 CA(0.0)  43 O (1.0)    0.0
                    (B)   36 O   12 CA(0.0)  44 O (1.0)    0.0
41    234.3401  (B1 )
                    (B)    8 CA   5 CA(0.0)  27 O (1.0)    0.0
                    (B)    5 CA   9 CA(0.0)  41 O (1.0)    0.0
                    (S)    9 CA   5 CA(0.9)                0.0
                    (B)    7 CA   6 CA(0.0)  28 O (1.0)    0.0
                    (B)    6 CA  10 CA(0.0)  42 O (1.0)    0.0
                    (S)   10 CA   6 CA(0.9)                0.0
                    (B)    7 CA  11 CA(0.0)  43 O (1.0)    0.0
                    (S)   11 CA   7 CA(0.9)                0.0
                    (B)    8 CA  12 CA(0.0)  44 O (1.0)    0.0
                    (S)   12 CA   8 CA(0.9)                0.0
42    241.6047  (A2 )
                    (O)   45 O    9 CA(0.1)  21 O (0.7)    0.0
                    (O)   46 O   10 CA(0.1)  22 O (0.7)    0.0
                    (O)   47 O   11 CA(0.1)  23 O (0.7)    0.0
                    (O)   48 O   12 CA(0.1)  24 O (0.7)    0.0
43    244.1698  (B2 )
                    (B)    3 CA   5 CA(0.2)  31 O (0.8)    0.0
                    (B)    3 CA   8 CA(0.2)  30 O (0.8)    0.0
                    (B)    4 CA   6 CA(0.2)  32 O (0.8)    0.0
                    (B)    4 CA   7 CA(0.2)  29 O (0.8)    0.0
                    (B)   27 O    5 CA(0.1)  43 O (0.9)    0.0
                    (B)   28 O    6 CA(0.1)  44 O (0.9)    0.0
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                    (B)   28 O    7 CA(0.1)  41 O (0.9)    0.0
                    (B)   27 O    8 CA(0.1)  42 O (0.9)    0.0
44    246.0481  (A1 )
                    (S)   27 O    3 CA(0.8)  26 O (0.2)    0.0
                    (S)   28 O    4 CA(0.8)  14 SI(0.2)    0.0
45    246.1655  (B2 )
                    (S)    6 CA   3 CA(0.8)  26 O (0.2)    0.0
                    (B)    6 CA   3 CA(0.3)   5 CA(0.7)    0.0
                    (S)    7 CA   3 CA(0.8)  26 O (0.2)    0.0
                    (B)    7 CA   3 CA(0.3)   8 CA(0.7)    0.0
                    (B)    3 CA  13 SI(0.5)  25 O (0.5)    0.0
                    (S)    5 CA   4 CA(0.8)  25 O (0.2)    0.0
                    (B)    5 CA   4 CA(0.3)   6 CA(0.7)    0.0
                    (S)    8 CA   4 CA(0.8)  25 O (0.2)    0.0
                    (B)    8 CA   4 CA(0.3)   7 CA(0.7)    0.0
                    (B)    4 CA  14 SI(0.5)  28 O (0.5)    0.0
46    247.5394  (A2 )
                    (S)   31 O    5 CA(0.9)                0.0
                    (S)   32 O    6 CA(0.9)                0.0
                    (S)   29 O    7 CA(0.9)                0.0
                    (S)   30 O    8 CA(0.9)                0.0
47    252.5095  (A1 )
                    (B)   43 O    1 CA(0.1)  44 O (0.9)    0.0
                    (B)   44 O    1 CA(0.1)  19 SI(0.9)    0.0
48    253.6715  (A2 )
                    (S)    9 CA   5 CA(0.8)  33 O (0.2)    0.0
                    (B)    5 CA   9 CA(0.1)  15 SI(0.9)    0.0
                    (B)   11 CA   5 CA(0.2)  21 O (0.8)    0.0
                    (S)   10 CA   6 CA(0.8)  34 O (0.2)    0.0
                    (B)    6 CA  10 CA(0.1)  16 SI(0.9)    0.0
                    (B)   12 CA   6 CA(0.2)  22 O (0.8)    0.0
                    (B)    9 CA   7 CA(0.2)  23 O (0.8)    0.0
                    (S)   11 CA   7 CA(0.8)  35 O (0.2)    0.0
                    (B)    7 CA  11 CA(0.1)  17 SI(0.9)    0.0
                    (B)   10 CA   8 CA(0.2)  24 O (0.8)    0.0
                    (S)   12 CA   8 CA(0.8)  36 O (0.2)    0.0
                    (B)    8 CA  12 CA(0.1)  18 SI(0.9)    0.0
                    (S)   29 O    9 CA(0.9)                0.1
                    (S)   30 O   10 CA(0.9)                0.0
                    (S)   31 O   11 CA(0.9)                0.0
                    (S)   32 O   12 CA(0.9)                0.0
49    253.7375  (B2 )
                    (S)    9 CA  29 O (0.7)   7 CA(0.2)    0.1
                    (S)   10 CA  30 O (0.7)   8 CA(0.2)    0.0
                    (S)   31 O   11 CA(0.7)   5 CA(0.2)    0.0
                    (S)   12 CA  32 O (0.7)   6 CA(0.2)    0.0
50    254.9143  (B1 )
                    (S)   21 O    3 CA(0.5)   6 CA(0.5)    0.0
                    (S)   24 O    3 CA(0.5)   7 CA(0.5)    0.0
                    (S)   22 O    4 CA(0.5)   5 CA(0.5)    0.0
                    (S)   23 O    4 CA(0.5)   8 CA(0.5)    0.0
                    (B)   21 O    9 CA(0.0)   7 CA(0.9)    0.1
                    (B)   22 O   10 CA(0.0)   8 CA(0.9)    0.0
                    (B)   23 O   11 CA(0.0)   5 CA(0.9)    0.1
                    (B)   24 O   12 CA(0.0)   6 CA(0.9)    0.0
51    257.7220  (A1 )
                    (B)   27 O    3 CA(0.3)  26 O (0.7)    0.0
                    (B)   28 O    4 CA(0.3)  14 SI(0.7)    0.0
52    258.7681  (A2 )
                    (S)   25 O    5 CA(0.7)   8 CA(0.3)    0.0
                    (S)   26 O    6 CA(0.7)   7 CA(0.3)    0.1
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                    (S)   26 O    7 CA(0.7)   6 CA(0.3)    0.0
                    (S)   25 O    8 CA(0.7)   5 CA(0.3)    0.0
                    (B)   21 O    9 CA(0.0)   7 CA(0.9)    0.1
                    (B)   22 O   10 CA(0.0)   8 CA(0.9)    0.0
                    (B)   23 O   11 CA(0.0)   5 CA(0.9)    0.0
                    (B)   24 O   12 CA(0.0)   6 CA(0.9)    0.0
53    263.6310  (A2 )
                    (B)    5 CA   1 CA(0.0)  46 O (1.0)    0.0
                    (B)    6 CA   1 CA(0.0)  45 O (1.0)    0.0
                    (B)    7 CA   2 CA(0.0)  48 O (1.0)   -0.1
                    (B)    8 CA   2 CA(0.0)  47 O (1.0)    0.0
54    270.4015  (B1 )
                    (B)   13 SI   3 CA(0.0)   7 CA(1.0)    0.0
                    (O)   26 O    3 CA(0.0)   6 CA(0.7)    0.0
                    (O)   27 O    3 CA(0.0)   6 CA(0.8)    0.0
                    (B)   14 SI   4 CA(0.0)   8 CA(1.0)    0.0
                    (O)    4 CA  25 O (0.0)   8 CA(0.7)    0.0
                    (O)   28 O    4 CA(0.0)   8 CA(0.8)    0.0
55    270.8732  (A1 )
                    (S)    9 CA  29 O (0.8)  15 SI(0.2)    0.1
                    (S)   30 O   10 CA(0.8)  16 SI(0.2)    0.0
                    (S)   11 CA  31 O (0.8)  17 SI(0.2)    0.0
                    (S)   32 O   12 CA(0.8)  18 SI(0.2)    0.0
56    272.8705  (B2 )
                    (S)   13 SI   3 CA(0.9)                0.0
                    (S)   21 O    3 CA(0.6)  29 O (0.3)    0.0
                    (S)   24 O    3 CA(0.6)  32 O (0.3)    0.0
                    (B)   27 O    3 CA(0.0)  26 O (1.0)    0.0
                    (S)   14 SI   4 CA(0.9)                0.0
                    (S)   22 O    4 CA(0.6)  30 O (0.3)    0.0
                    (S)   23 O    4 CA(0.6)  31 O (0.3)    0.0
                    (B)    4 CA  28 O (0.0)  14 SI(1.0)    0.0
57    278.7170  (B1 )
                    (S)   37 O    9 CA(0.7)   5 CA(0.3)    0.1
                    (S)   41 O    9 CA(0.5)  29 O (0.5)    0.1
                    (S)   38 O   10 CA(0.7)   6 CA(0.3)    0.0
                    (S)   42 O   10 CA(0.5)  30 O (0.5)    0.0
                    (S)   39 O   11 CA(0.7)   7 CA(0.3)    0.0
                    (S)   43 O   11 CA(0.5)  31 O (0.5)    0.0
                    (S)   40 O   12 CA(0.7)   8 CA(0.3)    0.0
                    (S)   44 O   12 CA(0.5)  32 O (0.5)    0.0
58    280.7980  (A1 )
                    (B)   31 O    5 CA(0.4)  27 O (0.5)    0.0
                    (B)   33 O    5 CA(0.1)  27 O (0.8)    0.0
                    (B)   32 O    6 CA(0.4)  28 O (0.5)    0.0
                    (B)   34 O    6 CA(0.1)  28 O (0.8)    0.0
                    (B)   29 O    7 CA(0.4)  28 O (0.5)    0.1
                    (B)   35 O    7 CA(0.1)  28 O (0.8)    0.1
                    (B)   30 O    8 CA(0.4)  27 O (0.5)    0.0
                    (B)   36 O    8 CA(0.1)  27 O (0.8)    0.0
                    (B)    9 CA  29 O (0.4)   7 CA(0.5)    0.0
                    (B)   30 O   10 CA(0.4)   8 CA(0.5)    0.0
                    (B)   31 O   11 CA(0.4)   5 CA(0.5)    0.1
                    (B)   12 CA  32 O (0.4)   6 CA(0.5)    0.0
59    284.5874  (B1 )
                    (S)   31 O    5 CA(1.0)                0.0
                    (S)   32 O    6 CA(1.0)                0.0
                    (S)   29 O    7 CA(1.0)                0.0
                    (S)   30 O    8 CA(1.0)                0.0
60    284.8589  (A2 )
                    (S)   27 O    5 CA(0.6)  33 O (0.4)    0.0
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                    (S)   28 O    6 CA(0.6)  34 O (0.4)    0.0
                    (S)   28 O    7 CA(0.6)  35 O (0.4)    0.0
                    (S)   27 O    8 CA(0.6)  36 O (0.4)    0.0
61    285.2065  (B2 )
                    (S)   27 O    3 CA(0.8)  26 O (0.2)    0.0
                    (S)   28 O    4 CA(0.8)  14 SI(0.2)    0.0
62    296.6131  (B2 )
                    (S)   37 O    9 CA(0.9)                0.0
                    (S)   38 O   10 CA(0.9)                0.0
                    (S)   39 O   11 CA(0.9)                0.0
                    (S)   40 O   12 CA(0.9)                0.0
63    299.1421  (A2 )
                    (B)   29 O    3 CA(0.4)   5 CA(0.6)    0.0
                    (B)   32 O    3 CA(0.4)   8 CA(0.6)    0.0
                    (B)   30 O    4 CA(0.4)   6 CA(0.6)    0.0
                    (B)   31 O    4 CA(0.4)   7 CA(0.6)    0.0
64    299.2529  (A1 )
                    (S)   26 O    3 CA(0.9)                0.0
                    (S)   25 O    4 CA(0.9)                0.0
                    (S)   25 O    5 CA(0.6)   8 CA(0.4)    0.0
                    (S)   26 O    6 CA(0.6)   7 CA(0.4)    0.1
                    (S)    7 CA  26 O (0.6)   6 CA(0.4)    0.1
                    (S)    8 CA  25 O (0.6)   5 CA(0.4)    0.0
65    304.4010  (B2 )
                    (S)   26 O    3 CA(0.9)                0.0
                    (S)   25 O    4 CA(0.9)                0.0
                    (B)   25 O    5 CA(0.3)  43 O (0.7)    0.0
                    (B)   26 O    6 CA(0.3)  44 O (0.7)    0.1
                    (B)   26 O    7 CA(0.3)  41 O (0.7)    0.1
                    (B)   25 O    8 CA(0.3)  42 O (0.7)    0.0
                    (B)   21 O    9 CA(0.1)   7 CA(0.9)    0.0
                    (B)   22 O   10 CA(0.1)   8 CA(0.9)    0.0
                    (B)   23 O   11 CA(0.1)   5 CA(0.9)    0.0
                    (B)   24 O   12 CA(0.1)   6 CA(0.9)    0.0
                    (B)   27 O   13 SI(0.0)  25 O (1.0)    0.0
                    (B)   28 O   14 SI(0.0)   4 CA(1.0)    0.0
66    308.7303  (B1 )
                    (B)   27 O    5 CA(0.4)  33 O (0.6)    0.1
                    (B)   28 O    6 CA(0.4)  34 O (0.6)    0.1
                    (B)   28 O    7 CA(0.4)  35 O (0.6)    0.0
                    (B)   27 O    8 CA(0.4)  36 O (0.6)    0.0
67    319.9764  (B2 )
                    (B)   33 O    5 CA(0.3)  43 O (0.7)    0.0
                    (S)   43 O    5 CA(0.5)  17 SI(0.5)    0.0
                    (B)   34 O    6 CA(0.3)  44 O (0.7)    0.0
                    (S)   44 O    6 CA(0.5)  18 SI(0.5)    0.0
                    (B)   35 O    7 CA(0.3)  41 O (0.7)    0.1
                    (S)   41 O    7 CA(0.5)  15 SI(0.5)    0.0
                    (B)   36 O    8 CA(0.3)  42 O (0.7)    0.0
                    (S)   42 O    8 CA(0.5)  16 SI(0.5)    0.0
                    (S)    9 CA  33 O (0.7)   1 CA(0.3)    0.0
                    (S)   10 CA  34 O (0.7)   1 CA(0.3)    0.0
                    (S)   35 O   11 CA(0.7)   1 CA(0.3)    0.1
                    (S)   36 O   12 CA(0.7)   1 CA(0.3)    0.0
68    320.2946  (A1 )
                    (B)   21 O    3 CA(0.2)  27 O (0.8)    0.0
                    (B)   24 O    3 CA(0.2)  27 O (0.8)    0.0
                    (B)   22 O    4 CA(0.2)  28 O (0.8)    0.0
                    (B)   23 O    4 CA(0.2)  28 O (0.8)    0.0
69    321.2901  (A2 )
                    (B)   27 O    5 CA(0.4)  33 O (0.6)    0.0
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                    (B)   28 O    6 CA(0.4)  34 O (0.6)    0.1
                    (B)   28 O    7 CA(0.4)  35 O (0.6)    0.0
                    (B)   27 O    8 CA(0.4)  36 O (0.6)    0.0
                    (O)   27 O   13 SI(0.0)   8 CA(0.8)    0.0
                    (O)   28 O   14 SI(0.0)   7 CA(0.8)    0.0
70    328.5874  (A2 )
                    (S)   43 O    5 CA(0.7)  17 SI(0.3)    0.0
                    (S)   44 O    6 CA(0.7)  18 SI(0.3)    0.0
                    (S)   41 O    7 CA(0.7)  15 SI(0.3)    0.1
                    (S)   42 O    8 CA(0.7)  16 SI(0.3)    0.0
71    330.0938  (B1 )
                    (S)   43 O    5 CA(0.9)               0.0
                    (S)   44 O    6 CA(0.9)               0.0
                    (S)   41 O    7 CA(0.9)               0.1
                    (S)   42 O    8 CA(0.9)               0.0
72    336.6607  (B1 )
                    (B)   45 O    9 CA(0.4)  15 SI(0.6)    0.0
                    (B)   46 O   10 CA(0.4)  16 SI(0.6)    0.1
                    (B)   47 O   11 CA(0.4)  17 SI(0.6)    0.0
                    (B)   48 O   12 CA(0.4)  18 SI(0.6)    0.0
73    340.8049  (A1 )
                    (S)   43 O    5 CA(1.0)               0.0
                    (S)   44 O    6 CA(1.0)               0.0
                    (S)   41 O    7 CA(1.0)               0.2
                    (S)   42 O    8 CA(1.0)               0.0
                    (B)   41 O    9 CA(0.0)   5 CA(1.0)    0.1
                    (B)   42 O   10 CA(0.0)   6 CA(1.0)    0.0
                    (B)   43 O   11 CA(0.0)   7 CA(1.0)    0.0
                    (B)   44 O   12 CA(0.0)   8 CA(1.0)    0.0
74    344.0006  (B2 )
                    (B)   43 O    1 CA(0.1)   5 CA(0.9)    0.0
                    (B)    1 CA  44 O (0.1)   6 CA(0.9)    0.0
                    (S)   43 O    5 CA(1.0)               0.0
                    (S)   44 O    6 CA(1.0)               0.0
                    (S)   41 O    7 CA(1.0)               0.1
                    (S)   42 O    8 CA(1.0)               0.0
75    348.7862  (A1 )
                    (S)    1 CA  45 O (0.8)   9 CA(0.2)    0.0
                    (S)    1 CA  46 O (0.8)  10 CA(0.2)    0.0
                    (S)    2 CA  47 O (0.8)  11 CA(0.2)    0.0
                    (S)    2 CA  48 O (0.8)  12 CA(0.2)    0.0
76    352.1279  (B1 )
                    (B)   33 O    5 CA(0.4)  43 O (0.6)    0.0
                    (B)   34 O    6 CA(0.4)  44 O (0.6)    0.0
                    (B)   35 O    7 CA(0.4)  41 O (0.6)    0.1
                    (B)   36 O    8 CA(0.4)  42 O (0.6)    0.0
                    (B)    9 CA  33 O (0.3)   1 CA(0.7)    0.0
                    (B)   10 CA  34 O (0.3)   1 CA(0.7)    0.0
                    (B)   35 O   11 CA(0.3)   1 CA(0.7)    0.1
                    (B)   36 O   12 CA(0.3)   1 CA(0.7)    0.0
77    356.6723  (A2 )
                    (S)   21 O    9 CA(0.8)  33 O (0.2)    0.0
                    (O)   33 O    9 CA(0.1)  41 O (0.8)    0.0
                    (B)   41 O    9 CA(0.0)  33 O (1.0)    0.0
                    (S)   22 O   10 CA(0.8)  34 O (0.2)    0.0
                    (O)   34 O   10 CA(0.1)  42 O (0.8)    0.0
                    (B)   42 O   10 CA(0.0)  34 O (1.0)    0.0
                    (S)   23 O   11 CA(0.8)  35 O (0.2)    0.0
                    (O)   35 O   11 CA(0.1)  43 O (0.8)    0.0
                    (B)   43 O   11 CA(0.0)  35 O (1.0)    0.0
                    (S)   24 O   12 CA(0.8)  36 O (0.2)    0.0
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                    (O)   36 O   12 CA(0.1)  44 O (0.8)    0.0
                    (B)   44 O   12 CA(0.0)  36 O (1.0)    0.0
78    361.0981  (B2 )
                    (B)   33 O    5 CA(0.1)   9 CA(0.9)    0.0
                    (B)   43 O    5 CA(0.4)  21 O (0.6)    0.0
                    (B)    6 CA  34 O (0.1)  10 CA(0.9)    0.0
                    (B)   44 O    6 CA(0.4)  22 O (0.6)    0.0
                    (B)   35 O    7 CA(0.1)  11 CA(0.9)    0.1
                    (B)   41 O    7 CA(0.4)  23 O (0.6)    0.0
                    (B)   36 O    8 CA(0.1)  12 CA(0.9)    0.0
                    (B)   42 O    8 CA(0.4)  24 O (0.6)    0.0
                    (S)   45 O    9 CA(0.6)   5 CA(0.4)    0.0
                    (S)   46 O   10 CA(0.6)   6 CA(0.4)    0.0
                    (S)   47 O   11 CA(0.6)   7 CA(0.4)    0.0
                    (S)   48 O   12 CA(0.6)   8 CA(0.4)    0.0
                    (B)   45 O   19 SI(0.0)  38 O (0.9)    0.0
                    (B)   46 O   19 SI(0.0)  37 O (0.9)    0.0
                    (B)   47 O   20 SI(0.0)  40 O (0.9)    0.0
                    (B)   48 O   20 SI(0.0)  39 O (0.9)    0.0
79    362.8099  (A1 )
                    (S)   31 O    5 CA(0.5)   9 CA(0.5)    0.0
                    (B)   33 O    5 CA(0.5)  43 O (0.5)    0.0
                    (B)   43 O    5 CA(0.2)   3 CA(0.8)    0.0
                    (S)   32 O    6 CA(0.5)  10 CA(0.5)    0.0
                    (B)   34 O    6 CA(0.5)  44 O (0.5)    0.0
                    (B)   44 O    6 CA(0.2)   4 CA(0.8)    0.0
                    (S)   29 O    7 CA(0.5)  11 CA(0.5)    0.0
                    (B)   35 O    7 CA(0.5)  41 O (0.5)    0.0
                    (B)   41 O    7 CA(0.2)   4 CA(0.8)    0.0
                    (S)   30 O    8 CA(0.5)  12 CA(0.5)    0.0
                    (B)   36 O    8 CA(0.5)  42 O (0.5)    0.0
                    (B)   42 O    8 CA(0.2)   3 CA(0.8)    0.0
80    374.0982  (A2 )
                    (S)   19 SI   1 CA(1.0)                0.0
                    (B)   33 O    1 CA(0.5)  34 O (0.5)    0.0
                    (B)   34 O    1 CA(0.5)  33 O (0.5)    0.0
                    (B)   43 O    1 CA(0.1)  46 O (0.9)    0.0
                    (B)   44 O    1 CA(0.1)  45 O (0.9)    0.0
                    (S)   45 O    1 CA(0.6)  43 O (0.4)    0.0
                    (S)   46 O    1 CA(0.6)  44 O (0.4)    0.0
                    (S)   20 SI   2 CA(1.0)                0.0
                    (B)   35 O    2 CA(0.5)  36 O (0.5)    0.0
                    (B)   36 O    2 CA(0.5)  35 O (0.5)    0.0
                    (S)    2 CA  47 O (0.6)  20 SI(0.3)    0.0
                    (S)   48 O    2 CA(0.6)  47 O (0.3)    0.0
                    (B)   15 SI  29 O (0.0)   3 CA(0.9)    0.0
                    (B)   16 SI  30 O (0.0)   4 CA(0.9)    0.0
                    (B)   17 SI  31 O (0.0)   4 CA(0.9)    0.0
                    (B)   18 SI  32 O (0.0)   3 CA(0.9)    0.0
81    387.0687  (B1 )
                    (S)   45 O    9 CA(0.8)  29 O (0.2)    0.2
                    (S)   46 O   10 CA(0.8)  30 O (0.2)    0.0
                    (S)   47 O   11 CA(0.8)  31 O (0.2)    0.0
                    (S)   48 O   12 CA(0.8)  32 O (0.2)    0.0
82    387.1074  (B2 )
                    (S)    9 CA  45 O (0.8)   1 CA(0.2)    0.2
                    (S)   10 CA  46 O (0.8)   1 CA(0.2)    0.0
                    (S)   11 CA  47 O (0.8)   2 CA(0.2)    0.0
                    (S)   12 CA  48 O (0.8)   2 CA(0.2)    0.0
83    396.9978  (B2 )
                    (B)   31 O    5 CA(0.1)  27 O (0.8)    0.0
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                    (S)   33 O    5 CA(0.9)                 0.0
                    (B)   32 O    6 CA(0.1)  28 O (0.8)     0.0
                    (S)   34 O    6 CA(0.9)                 0.1
                    (B)   29 O    7 CA(0.1)  28 O (0.8)     0.1
                    (S)   35 O    7 CA(0.9)                 0.0
                    (B)   30 O    8 CA(0.1)  27 O (0.8)     0.0
                    (S)   36 O    8 CA(0.9)                 0.0
84    398.0133  (B1 )
                    (S)   29 O    3 CA(0.5)   8 CA(0.4)     0.0
                    (S)   32 O    3 CA(0.5)   5 CA(0.4)     0.0
                    (S)   30 O    4 CA(0.5)   7 CA(0.4)     0.0
                    (S)   31 O    4 CA(0.5)   6 CA(0.4)     0.0
                    (S)   33 O    5 CA(0.9)                 0.0
                    (S)   34 O    6 CA(0.9)                 0.1
                    (S)   35 O    7 CA(0.9)                 0.0
                    (S)   36 O    8 CA(0.9)                 0.0
85    399.4262  (A1 )
                    (B)   26 O    3 CA(0.4)  27 O (0.6)     0.0
                    (B)   25 O    4 CA(0.4)  14 SI(0.6)     0.0
86    412.9093  (A2 )
                    (B)   21 O    3 CA(0.3)   5 CA(0.7)     0.0
                    (B)   24 O    3 CA(0.3)   8 CA(0.7)     0.0
                    (O)   27 O    3 CA(0.0)   6 CA(0.8)     0.0
                    (B)    4 CA  22 O (0.3)   6 CA(0.7)     0.0
                    (B)    4 CA  23 O (0.3)   7 CA(0.7)     0.0
                    (O)   28 O    4 CA(0.0)   8 CA(0.8)     0.0
                    (S)    5 CA  21 O (0.6)   3 CA(0.4)     0.0
                    (B)   27 O    5 CA(0.5)   9 CA(0.5)     0.0
                    (S)   22 O    6 CA(0.6)   4 CA(0.4)     0.0
                    (B)   28 O    6 CA(0.5)  10 CA(0.5)     0.0
                    (S)   23 O    7 CA(0.6)   4 CA(0.4)     0.0
                    (B)   28 O    7 CA(0.5)  11 CA(0.5)     0.0
                    (S)   24 O    8 CA(0.6)   3 CA(0.4)     0.0
                    (B)   27 O    8 CA(0.5)  12 CA(0.5)     0.0
                    (B)   21 O    9 CA(0.4)  45 O (0.6)     0.0
                    (B)   22 O   10 CA(0.4)  46 O (0.6)     0.0
                    (B)   23 O   11 CA(0.4)  47 O (0.6)     0.0
                    (B)   24 O   12 CA(0.4)  48 O (0.6)     0.0
                    (B)   21 O   13 SI(0.0)  27 O (1.0)     0.0
                    (B)   24 O   13 SI(0.0)  27 O (1.0)     0.0
                    (O)   27 O   13 SI(0.0)   8 CA(0.8)     0.0
                    (B)   22 O   14 SI(0.0)  28 O (1.0)     0.0
                    (B)   23 O   14 SI(0.0)  28 O (1.0)     0.0
                    (O)   28 O   14 SI(0.0)   7 CA(0.8)     0.0
87    412.9170  (B2 )
                    (S)   26 O    3 CA(0.6)  27 O (0.4)     0.0
                    (S)   25 O    4 CA(0.6)  14 SI(0.4)     0.0
                    (B)   25 O    5 CA(0.4)   1 CA(0.6)     0.0
                    (B)   26 O    6 CA(0.4)   1 CA(0.6)     0.1
                    (B)   26 O    7 CA(0.4)   2 CA(0.6)     0.2
                    (B)   25 O    8 CA(0.4)   2 CA(0.6)     0.0
                    (B)   25 O   13 SI(0.0)  27 O (1.0)     0.0
                    (B)   26 O   14 SI(0.0)   4 CA(1.0)     0.0
88    420.7202  (B1 )
                    (B)   21 O    9 CA(0.4)  45 O (0.6)     0.1
                    (B)   22 O   10 CA(0.4)  46 O (0.6)     0.0
                    (B)   23 O   11 CA(0.4)  47 O (0.6)     0.0
                    (B)   24 O   12 CA(0.4)  48 O (0.6)     0.0
89    424.8696  (A2 )
                    (S)   21 O    5 CA(0.8)  11 CA(0.2)     0.0
                    (S)   33 O    5 CA(1.0)                 0.0
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                        (S)   22 O    6 CA(0.8)  12 CA(0.2)    0.0
                        (S)   34 O    6 CA(1.0)                0.1
                        (S)   23 O    7 CA(0.8)   9 CA(0.2)    0.0
                        (S)   35 O    7 CA(1.0)                0.0
                        (S)   24 O    8 CA(0.8)  10 CA(0.2)    0.0
                        (S)   36 O    8 CA(1.0)                0.0
                        (B)   21 O    9 CA(0.4)  45 O (0.6)    0.0
                        (B)   22 O   10 CA(0.4)  46 O (0.6)    0.0
                        (B)   23 O   11 CA(0.4)  47 O (0.6)    0.0
                        (B)   24 O   12 CA(0.4)  48 O (0.6)    0.0
90    430.8824  (B1 )
                        (B)   45 O   19 SI(0.0)  37 O (0.9)    0.0
                        (B)   46 O   19 SI(0.0)  38 O (0.9)    0.0
                        (B)   47 O   20 SI(0.0)  39 O (0.9)   -0.1
                        (B)   48 O   20 SI(0.0)  40 O (0.9)    0.0
91    432.4979  (A1 )
                        (B)   26 O    3 CA(0.4)  27 O (0.6)    0.0
                        (B)   25 O    4 CA(0.4)  14 SI(0.6)    0.0
                        (S)   25 O    5 CA(0.6)   8 CA(0.4)    0.0
                        (S)   26 O    6 CA(0.6)   7 CA(0.4)    0.1
                        (S)    7 CA  26 O (0.6)   6 CA(0.4)    0.1
                        (S)    8 CA  25 O (0.6)   5 CA(0.4)    0.0
                        (B)   25 O   13 SI(0.0)  27 O (1.0)    0.0
                        (B)   14 SI  26 O (0.0)   3 CA(1.0)    0.0
92    437.9924  (B2 )
                        (B)   29 O   15 SI(0.0)   7 CA(1.0)    0.0
                        (B)   30 O   16 SI(0.0)   8 CA(1.0)    0.0
                        (B)   31 O   17 SI(0.0)   5 CA(1.0)    0.0
                        (B)   18 SI  32 O (0.0)   6 CA(1.0)    0.0
                        (B)   45 O   19 SI(0.0)  37 O (1.0)    0.0
                        (B)   46 O   19 SI(0.0)  38 O (1.0)    0.0
                        (B)   47 O   20 SI(0.0)  39 O (1.0)   -0.1
                        (B)   48 O   20 SI(0.0)  40 O (1.0)    0.0
93    472.3075  (B1 )
                        (B)   15 SI  29 O (0.0)   3 CA(1.0)    0.0
                        (B)   35 O   15 SI(0.0)  37 O (1.0)    0.0
                        (O)   41 O   15 SI(0.0)  37 O (0.7)    0.0
                        (B)   16 SI  30 O (0.0)   4 CA(1.0)    0.0
                        (B)   36 O   16 SI(0.0)  38 O (1.0)    0.0
                        (O)   42 O   16 SI(0.0)  38 O (0.7)    0.0
                        (B)   17 SI  31 O (0.0)   4 CA(1.0)    0.0
                        (B)   33 O   17 SI(0.0)  39 O (1.0)    0.0
                        (O)   17 SI  43 O (0.0)   1 CA(0.8)    0.0
                        (B)   18 SI  32 O (0.0)   3 CA(1.0)    0.0
                        (B)   34 O   18 SI(0.0)  40 O (1.0)    0.0
                        (O)   18 SI  44 O (0.0)   1 CA(0.8)    0.0
94    476.7066  (A2 )
                        (B)   15 SI  29 O (0.0)   3 CA(1.0)    0.0
                        (B)   15 SI  35 O (0.0)   2 CA(1.0)    0.0
                        (O)   41 O   15 SI(0.0)  37 O (0.8)    0.0
                        (B)   16 SI  30 O (0.0)   4 CA(1.0)    0.0
                        (B)   16 SI  36 O (0.0)   2 CA(1.0)    0.0
                        (O)   42 O   16 SI(0.0)  38 O (0.8)    0.0
                        (B)   17 SI  31 O (0.0)   4 CA(1.0)    0.0
                        (B)   17 SI  33 O (0.0)   1 CA(1.0)    0.0
                        (O)   43 O   17 SI(0.0)  39 O (0.8)    0.0
                        (B)   18 SI  32 O (0.0)   3 CA(1.0)    0.0
                        (B)   18 SI  34 O (0.0)   1 CA(1.0)    0.0
                        (O)   44 O   18 SI(0.0)  40 O (0.8)    0.0
95    481.0517  (B2 )
                        (B)   35 O   15 SI(0.0)  37 O (1.0)    0.0
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                        (B)   36 O   16 SI(0.0)  38 O (1.0)    0.0
                        (B)   33 O   17 SI(0.0)  39 O (1.0)    0.0
                        (B)   34 O   18 SI(0.0)  40 O (1.0)    0.0
 96    482.6387  (A1 )
                        (B)   29 O   15 SI(0.0)  41 O (1.0)    0.0
                        (B)   30 O   16 SI(0.0)  42 O (1.0)    0.0
                        (B)   31 O   17 SI(0.0)  43 O (1.0)    0.0
                        (B)   32 O   18 SI(0.0)  44 O (1.0)    0.0
 97    498.3860  (A2 )
                        (O)   25 O   13 SI(0.0)  24 O (0.7)    0.0
                        (O)   26 O   14 SI(0.0)  22 O (0.7)    0.0
 98    509.8604  (A1 )
                        (O)   29 O   15 SI(0.0)  37 O (0.7)    0.0
                        (O)   37 O   15 SI(0.0)  35 O (0.7)    0.0
                        (B)   41 O   15 SI(0.0)   9 CA(1.0)    0.0
                        (O)   30 O   16 SI(0.0)  38 O (0.7)    0.0
                        (O)   38 O   16 SI(0.0)  36 O (0.7)    0.0
                        (B)   42 O   16 SI(0.0)  10 CA(1.0)    0.0
                        (O)   31 O   17 SI(0.0)  39 O (0.7)    0.0
                        (O)   39 O   17 SI(0.0)  33 O (0.7)    0.0
                        (B)   43 O   17 SI(0.0)  11 CA(1.0)    0.0
                        (O)   32 O   18 SI(0.0)  40 O (0.7)    0.0
                        (O)   40 O   18 SI(0.0)  34 O (0.7)    0.0
                        (B)   44 O   18 SI(0.0)  12 CA(1.0)    0.0
 99    511.4612  (B1 )
                        (B)   35 O   15 SI(0.0)  41 O (0.9)    0.0
                        (B)   36 O   16 SI(0.0)  42 O (0.9)    0.0
                        (B)   33 O   17 SI(0.0)  43 O (0.9)    0.0
                        (B)   34 O   18 SI(0.0)  44 O (0.9)    0.0
100    513.5171  (B2 )
                        (B)   35 O   15 SI(0.0)   7 CA(0.9)    0.0
                        (B)   36 O   16 SI(0.0)   8 CA(0.9)    0.0
                        (B)   33 O   17 SI(0.0)   5 CA(0.9)    0.0
                        (B)   34 O   18 SI(0.0)   6 CA(0.9)    0.0
101    522.3506  (A2 )
                        (O)   37 O   15 SI(0.1)  35 O (0.7)    0.0
                        (O)   38 O   16 SI(0.1)  36 O (0.7)    0.0
                        (O)   39 O   17 SI(0.1)  33 O (0.7)    0.0
                        (O)   40 O   18 SI(0.1)  34 O (0.7)    0.0
102    531.2972  (A1 )
                        (O)   21 O   13 SI(0.0)  25 O (0.8)    0.1
                        (O)   24 O   13 SI(0.0)  25 O (0.8)    0.0
                        (O)   22 O   14 SI(0.0)  26 O (0.8)    0.0
                        (O)   23 O   14 SI(0.0)  26 O (0.8)    0.1
103    533.8844  (B2 )
                        (O)   21 O   13 SI(0.0)  25 O (0.8)    0.1
                        (O)   24 O   13 SI(0.0)  25 O (0.8)    0.0
                        (O)   22 O   14 SI(0.0)  26 O (0.8)    0.0
                        (O)   23 O   14 SI(0.0)  26 O (0.8)    0.1
104    539.9409  (B1 )
                        (O)   25 O   13 SI(0.0)  24 O (0.7)    0.0
                        (O)   26 O   14 SI(0.0)  22 O (0.7)    0.0
105    548.5565  (A1 )
                        (B)   35 O   15 SI(0.0)  29 O (0.9)    0.0
                        (B)   36 O   16 SI(0.0)  30 O (0.9)    0.0
                        (B)   33 O   17 SI(0.0)  31 O (0.9)    0.0
                        (B)   34 O   18 SI(0.0)  32 O (0.9)    0.0
106    556.1780  (A2 )
                        (O)   25 O   13 SI(0.0)  24 O (0.7)    0.0
                        (O)   26 O   14 SI(0.0)  22 O (0.7)    0.0
107    565.7138  (A1 )
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                        (B)   21 O   13 SI(0.0)   8 CA(1.0)    0.0
                        (B)   24 O   13 SI(0.0)   5 CA(1.0)    0.1
                        (B)   25 O   13 SI(0.0)  27 O (1.0)    0.0
                        (B)   22 O   14 SI(0.0)   7 CA(1.0)    0.0
                        (B)   23 O   14 SI(0.0)   6 CA(1.0)    0.0
                        (B)   26 O   14 SI(0.0)   4 CA(1.0)    0.0
108    567.7733  (B2 )
                        (B)   13 SI  21 O (0.0)   9 CA(1.0)    0.0
                        (B)   13 SI  24 O (0.0)  12 CA(1.0)    0.0
                        (B)   25 O   13 SI(0.0)  27 O (1.0)    0.0
                        (B)   14 SI  22 O (0.0)  10 CA(1.0)    0.0
                        (B)   14 SI  23 O (0.0)  11 CA(1.0)    0.0
                        (B)   26 O   14 SI(0.0)   4 CA(1.0)    0.0
109    568.3015  (B1 )
                        (B)   29 O   15 SI(0.0)  35 O (0.9)    0.0
                        (B)   15 SI  37 O (0.0)  19 SI(0.9)    0.0
                        (B)   41 O   15 SI(0.0)   7 CA(1.0)    0.0
                        (B)   30 O   16 SI(0.0)  36 O (0.9)    0.0
                        (B)   16 SI  38 O (0.0)  19 SI(0.9)    0.0
                        (B)   42 O   16 SI(0.0)   8 CA(1.0)    0.0
                        (B)   31 O   17 SI(0.0)  33 O (0.9)    0.0
                        (B)   17 SI  39 O (0.0)  20 SI(0.9)    0.0
                        (B)   43 O   17 SI(0.0)   5 CA(1.0)    0.0
                        (B)   32 O   18 SI(0.0)  34 O (0.9)    0.0
                        (B)   18 SI  40 O (0.0)  20 SI(0.9)    0.0
                        (B)   44 O   18 SI(0.0)   6 CA(1.0)    0.0
                        (B)   37 O   19 SI(0.0)  45 O (0.9)    0.0
                        (B)   38 O   19 SI(0.0)  46 O (0.9)    0.0
                        (B)   39 O   20 SI(0.0)  47 O (0.9)    0.0
                        (B)   40 O   20 SI(0.0)  48 O (0.9)    0.0
110    577.0073  (B2 )
                        (B)   21 O   13 SI(0.0)   5 CA(0.9)    0.0
                        (B)   24 O   13 SI(0.0)   8 CA(0.9)    0.0
                        (B)   22 O   14 SI(0.0)   6 CA(0.9)    0.0
                        (B)   23 O   14 SI(0.0)   7 CA(0.9)    0.0
111    578.6851  (A1 )
                        (B)   19 SI  45 O (0.0)   1 CA(1.0)    0.0
                        (B)   19 SI  46 O (0.0)   1 CA(1.0)    0.0
                        (B)   20 SI  47 O (0.0)   2 CA(1.0)   -0.1
                        (B)   48 O   20 SI(0.0)  47 O (1.0)    0.0
112    587.6966  (A2 )
                        (B)   37 O   15 SI(0.1)  41 O (0.8)    0.0
                        (B)   38 O   16 SI(0.1)  42 O (0.8)    0.0
                        (B)   39 O   17 SI(0.1)  43 O (0.8)    0.0
                        (B)   40 O   18 SI(0.1)  44 O (0.8)    0.0
113    668.5653  (A1 )
                        (S)   15 SI  37 O (0.7)  19 SI(0.3)    0.0
                        (S)   16 SI  38 O (0.7)  19 SI(0.3)    0.0
                        (S)   17 SI  39 O (0.7)  20 SI(0.3)    0.0
                        (S)   18 SI  40 O (0.7)  20 SI(0.3)    0.0
114    679.2445  (A2 )
                        (S)   15 SI  37 O (0.7)  19 SI(0.2)    0.0
                        (S)   16 SI  38 O (0.7)  19 SI(0.2)    0.0
                        (S)   17 SI  39 O (0.7)  20 SI(0.2)    0.0
                        (S)   18 SI  40 O (0.7)  20 SI(0.2)    0.0
115    708.0469  (B1 )
                        (S)   37 O   15 SI(0.8)   7 CA(0.2)    0.0
                        (S)   38 O   16 SI(0.8)   8 CA(0.2)    0.0
                        (S)   39 O   17 SI(0.8)   5 CA(0.2)    0.0
                        (S)   40 O   18 SI(0.8)   6 CA(0.2)    0.0
                        (B)   37 O   19 SI(0.3)  46 O (0.7)    0.0
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                        (B)   38 O   19 SI(0.3)  45 O (0.7)    0.0
                        (B)   39 O   20 SI(0.3)  48 O (0.7)    0.0
                        (B)   40 O   20 SI(0.3)  47 O (0.7)    0.0
116    709.8980  (B2 )
                        (S)   15 SI  37 O (0.8)  19 SI(0.2)    0.0
                        (S)   16 SI  38 O (0.8)  19 SI(0.2)    0.0
                        (S)   17 SI  39 O (0.8)  20 SI(0.2)    0.0
                        (S)   18 SI  40 O (0.8)  20 SI(0.2)    0.0
                        (B)   37 O   19 SI(0.3)  46 O (0.7)    0.0
                        (B)   38 O   19 SI(0.3)  45 O (0.7)    0.0
                        (B)   39 O   20 SI(0.3)  48 O (0.7)    0.0
                        (B)   40 O   20 SI(0.3)  47 O (0.7)    0.0
117    820.7474  (B2 )
                        (S)   25 O   13 SI(0.9)                0.0
                        (S)   26 O   14 SI(0.9)                0.0
118    821.3984  (A1 )
                        (S)   25 O   13 SI(1.0)                0.1
                        (S)   26 O   14 SI(1.0)                0.1
119    824.4722  (B1 )
                        (S)   29 O   15 SI(0.9)                0.0
                        (S)   37 O   15 SI(0.8)  41 O (0.2)    0.0
                        (S)   30 O   16 SI(0.9)                0.0
                        (S)   38 O   16 SI(0.8)  42 O (0.2)    0.0
                        (S)   31 O   17 SI(0.9)                0.0
                        (S)   39 O   17 SI(0.8)  43 O (0.2)    0.0
                        (S)   32 O   18 SI(0.9)                0.0
                        (S)   40 O   18 SI(0.8)  44 O (0.2)    0.0
120    830.5843  (B2 )
                        (B)   21 O    3 CA(0.0)  32 O (1.0)    0.0
                        (B)   24 O    3 CA(0.0)  29 O (1.0)    0.0
                        (B)   27 O    3 CA(0.2)  26 O (0.8)    0.0
                        (B)   22 O    4 CA(0.0)  31 O (1.0)    0.0
                        (B)   23 O    4 CA(0.0)  30 O (1.0)    0.0
                        (B)    4 CA  28 O (0.2)  14 SI(0.8)    0.0
                        (B)   21 O    5 CA(0.0)  13 SI(1.0)    0.0
                        (B)   27 O    5 CA(0.4)  13 SI(0.6)    0.0
                        (B)   22 O    6 CA(0.0)  14 SI(1.0)    0.1
                        (B)   28 O    6 CA(0.4)  14 SI(0.6)    0.0
                        (B)   23 O    7 CA(0.0)  14 SI(1.0)    0.0
                        (B)   28 O    7 CA(0.4)  14 SI(0.6)    0.1
                        (B)   24 O    8 CA(0.0)  13 SI(1.0)    0.0
                        (B)   27 O    8 CA(0.4)  13 SI(0.6)    0.0
                        (S)    9 CA  21 O (0.5)  13 SI(0.5)    0.0
                        (S)   10 CA  22 O (0.5)  14 SI(0.5)    0.1
                        (S)   11 CA  23 O (0.5)  14 SI(0.5)    0.0
                        (S)   12 CA  24 O (0.5)  13 SI(0.5)    0.0
                        (S)   27 O   13 SI(1.0)                0.0
                        (S)   28 O   14 SI(1.0)                0.0
121    848.2964  (A2 )
                        (S)   29 O   15 SI(0.9)                0.0
                        (S)   30 O   16 SI(0.9)                0.0
                        (S)   31 O   17 SI(0.9)                0.0
                        (S)   32 O   18 SI(0.9)                0.0
122    850.9464  (A1 )
                        (S)   29 O   15 SI(0.8)   9 CA(0.2)    0.0
                        (S)   41 O   15 SI(0.8)  37 O (0.2)    0.0
                        (S)   16 SI  30 O (0.8)  10 CA(0.2)    0.0
                        (S)   42 O   16 SI(0.8)  38 O (0.2)    0.0
                        (S)   17 SI  31 O (0.8)  11 CA(0.2)    0.0
                        (S)   43 O   17 SI(0.8)  39 O (0.2)    0.0
                        (S)   18 SI  32 O (0.8)  12 CA(0.2)    0.0
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                        (S)   44 O   18 SI(0.8)  40 O (0.2)    0.0
123    864.0546  (A1 )
                        (S)   25 O   13 SI(1.0)               0.1
                        (S)   26 O   14 SI(1.0)               0.1
124    882.4412  (B2 )
                        (S)   25 O   13 SI(1.0)               0.1
                        (S)   26 O   14 SI(1.0)               0.1
125    884.5126  (A2 )
                        (S)   21 O   13 SI(0.9)               0.0
                        (S)   24 O   13 SI(0.9)               0.1
                        (S)   22 O   14 SI(0.9)               0.1
                        (S)   23 O   14 SI(0.9)               0.0
126    888.4763  (B1 )
                        (S)   21 O   13 SI(0.9)               0.0
                        (S)   24 O   13 SI(0.9)               0.0
                        (S)   22 O   14 SI(0.9)               0.1
                        (S)   23 O   14 SI(0.9)               0.0
127    896.0043  (B2 )
                        (S)   37 O   19 SI(0.9)               0.0
                        (S)   38 O   19 SI(0.9)               0.0
                        (S)   39 O   20 SI(0.9)               0.0
                        (S)   40 O   20 SI(0.9)               0.0
128    897.6453  (A1 )
                        (S)   15 SI  37 O (0.7)  19 SI(0.3)    0.1
                        (S)   16 SI  38 O (0.7)  19 SI(0.3)    0.0
                        (S)   17 SI  39 O (0.7)  20 SI(0.3)    0.0
                        (S)   18 SI  40 O (0.7)  20 SI(0.3)    0.0
                        (S)   37 O   19 SI(0.8)  46 O (0.2)    0.0
                        (S)   38 O   19 SI(0.8)  45 O (0.2)    0.0
                        (S)   39 O   20 SI(0.8)  48 O (0.2)    0.0
                        (S)   40 O   20 SI(0.8)  47 O (0.2)    0.0
129    903.8423  (A2 )
                        (S)   37 O   15 SI(0.7)  41 O (0.3)    0.0
                        (S)   38 O   16 SI(0.7)  42 O (0.3)    0.0
                        (S)   39 O   17 SI(0.7)  43 O (0.3)    0.0
                        (S)   40 O   18 SI(0.7)  44 O (0.3)    0.0
                        (S)   37 O   19 SI(0.8)  46 O (0.2)    0.0
                        (S)   38 O   19 SI(0.8)  45 O (0.2)    0.0
                        (S)   39 O   20 SI(0.8)  48 O (0.2)    0.0
                        (S)   40 O   20 SI(0.8)  47 O (0.2)    0.0
130    915.9512  (B1 )
                        (S)   13 SI  21 O (0.8)   3 CA(0.2)    0.0
                        (S)   13 SI  24 O (0.8)   3 CA(0.2)    0.0
                        (S)   22 O   14 SI(0.8)   4 CA(0.2)    0.1
                        (S)   23 O   14 SI(0.8)   4 CA(0.2)    0.0
131    922.8638  (B1 )
                        (S)   15 SI  35 O (0.8)   7 CA(0.2)    0.0
                        (S)   36 O   16 SI(0.8)   8 CA(0.2)    0.0
                        (S)   33 O   17 SI(0.8)   5 CA(0.2)    0.0
                        (S)   34 O   18 SI(0.8)   6 CA(0.2)    0.0
132    932.3091  (A1 )
                        (S)   27 O   13 SI(1.0)               0.1
                        (S)   28 O   14 SI(1.0)               0.0
133    934.8533  (B2 )
                        (S)   27 O   13 SI(1.0)               0.1
                        (S)   28 O   14 SI(1.0)               0.0
134    947.5727  (A1 )
                        (S)   29 O   15 SI(0.9)               0.0
                        (S)   35 O   15 SI(0.8)  29 O (0.2)    0.0
                        (S)   30 O   16 SI(0.9)               0.0
                        (S)   36 O   16 SI(0.8)  30 O (0.2)    0.0
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                        (S)   31 O   17 SI(0.9)                0.0
                        (S)   33 O   17 SI(0.8)  31 O (0.2)    0.0
                        (S)   32 O   18 SI(0.9)                0.0
                        (S)   34 O   18 SI(0.8)  32 O (0.2)    0.0
 135    948.7198  (A2 )
                        (S)   41 O   15 SI(0.8)  35 O (0.2)    0.0
                        (S)   42 O   16 SI(0.8)  36 O (0.2)    0.0
                        (S)   43 O   17 SI(0.8)  33 O (0.2)    0.0
                        (S)   44 O   18 SI(0.8)  34 O (0.2)    0.0
 136    959.9044  (B2 )
                        (S)   29 O   15 SI(1.0)                0.0
                        (S)   30 O   16 SI(1.0)                0.0
                        (S)   31 O   17 SI(1.0)                0.0
                        (S)   32 O   18 SI(1.0)                0.0
 137    975.3016  (A1 )
                        (S)   41 O   15 SI(1.0)                0.0
                        (S)   42 O   16 SI(1.0)                0.0
                        (S)   43 O   17 SI(1.0)                0.0
                        (S)   44 O   18 SI(1.0)                0.0
 138    977.6905  (B1 )
                        (S)   41 O   15 SI(1.0)                0.0
                        (S)   42 O   16 SI(1.0)                0.0
                        (S)   43 O   17 SI(1.0)                0.0
                        (S)   44 O   18 SI(1.0)                0.0
 139    982.2283  (B2 )
                        (S)   41 O   15 SI(1.0)                0.0
                        (S)   42 O   16 SI(1.0)                0.0
                        (S)   43 O   17 SI(1.0)                0.0
                        (S)   44 O   18 SI(1.0)                0.0
 140    994.8184  (A1 )
                        (S)   45 O   19 SI(0.8)   1 CA(0.2)    0.0
                        (S)   19 SI  46 O (0.8)   1 CA(0.2)    0.0
                        (S)   20 SI  47 O (0.8)   2 CA(0.2)   -0.1
                        (S)   48 O   20 SI(0.8)   2 CA(0.2)    0.0
 141    999.4520  (A2 )
                        (S)   35 O   15 SI(1.0)                0.0
                        (S)   36 O   16 SI(1.0)                0.0
                        (S)   33 O   17 SI(1.0)                0.0
                        (S)   34 O   18 SI(1.0)                0.0
 142   1016.1355  (A2 )
                        (S)   45 O   19 SI(0.8)   1 CA(0.2)    0.0
                        (S)   46 O   19 SI(0.8)  45 O (0.2)    0.0
                        (S)   47 O   20 SI(0.8)   2 CA(0.2)   -0.1
                        (S)   48 O   20 SI(0.8)   2 CA(0.2)    0.0
 143   1039.6749  (B2 )
                        (S)   45 O   19 SI(0.9)                0.0
                        (S)   46 O   19 SI(0.9)                0.0
                        (S)   47 O   20 SI(0.9)                0.0
                        (S)   48 O   20 SI(0.9)                0.0
 144   1043.9050  (B1 )
                        (S)   45 O   19 SI(0.9)                0.0
                        (S)   46 O   19 SI(0.9)                0.0
                        (S)   47 O   20 SI(0.9)                0.0
                        (S)   48 O   20 SI(0.9)                0.0

NORMAL MODES NORMALIZED TO CLASSICAL AMPLITUDES

FREQ(CM**-1)     -2.12     -1.95     -1.51     91.07     94.32     99.74

AT.   1 CA X     0.0000    0.2298    0.0000    0.0000    0.0000    0.0013
           Y     0.2194    0.0000    0.0002   -0.0011   -0.0467    0.0000
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		Z	-0.0004	0.0000	0.2608	0.0060	0.0039	0.0000
AT.	2	CA X	0.0000	0.2298	0.0000	0.0000	0.0000	-0.0013
		Y	0.2194	0.0000	-0.0002	0.0011	-0.0467	0.0000
		Z	0.0004	0.0000	0.2608	0.0060	-0.0039	0.0000
AT.	3	CA X	0.0003	0.2322	0.0000	0.0000	-0.0007	0.0000
		Y	0.2223	0.0002	0.0000	0.0000	0.0044	0.0000
		Z	0.0000	0.0000	0.2635	0.0027	0.0000	-0.0287
AT.	4	CA X	-0.0003	0.2322	0.0000	0.0000	0.0007	0.0000
		Y	0.2223	-0.0002	0.0000	0.0000	0.0044	0.0000
		Z	0.0000	0.0000	0.2635	0.0027	0.0000	0.0287
AT.	5	CA X	0.0000	0.2317	0.0009	-0.0455	0.0327	-0.0448
		Y	0.2220	0.0000	0.0001	-0.0007	0.0130	-0.0076
		Z	-0.0003	-0.0002	0.2630	0.0271	-0.0016	0.0511
AT.	6	CA X	0.0000	0.2317	-0.0009	0.0455	-0.0327	-0.0448
		Y	0.2220	0.0000	0.0001	-0.0007	0.0130	0.0076
		Z	-0.0003	0.0002	0.2630	0.0271	-0.0016	-0.0511
AT.	7	CA X	0.0000	0.2317	0.0009	-0.0455	-0.0327	0.0448
		Y	0.2220	0.0000	-0.0001	0.0007	0.0130	-0.0076
		Z	0.0003	-0.0002	0.2630	0.0271	0.0016	-0.0511
AT.	8	CA X	0.0000	0.2317	-0.0009	0.0455	0.0327	0.0448
		Y	0.2220	0.0000	-0.0001	0.0007	0.0130	0.0076
		Z	0.0003	0.0002	0.2630	0.0271	0.0016	0.0511
AT.	9	CA X	-0.0003	0.2314	0.0011	-0.0372	-0.0013	-0.0101
		Y	0.2222	0.0006	-0.0003	0.0058	-0.0006	-0.0064
		Z	-0.0008	-0.0004	0.2629	-0.0068	-0.0343	0.0118
AT.	10	CA X	0.0003	0.2314	-0.0011	0.0372	0.0013	-0.0101
		Y	0.2222	-0.0006	-0.0003	0.0058	-0.0006	0.0064
		Z	-0.0008	0.0004	0.2629	-0.0068	-0.0343	-0.0118
AT.	11	CA X	0.0003	0.2314	0.0011	-0.0372	0.0013	0.0101
		Y	0.2222	-0.0006	0.0003	-0.0058	-0.0006	-0.0064
		Z	0.0008	-0.0004	0.2629	-0.0068	0.0343	-0.0118
AT.	12	CA X	-0.0003	0.2314	-0.0011	0.0372	-0.0013	0.0101
		Y	0.2222	0.0006	0.0003	-0.0058	-0.0006	0.0064
		Z	0.0008	0.0004	0.2629	-0.0068	0.0343	0.0118
AT.	13	SI X	0.0002	0.2325	0.0000	0.0000	0.0242	0.0000
		Y	0.2221	0.0004	0.0000	0.0000	0.0224	0.0000
		Z	0.0000	0.0000	0.2643	0.0010	0.0000	0.0213
AT.	14	SI X	-0.0002	0.2325	0.0000	0.0000	-0.0242	0.0000
		Y	0.2221	-0.0004	0.0000	0.0000	0.0224	0.0000
		Z	0.0000	0.0000	0.2643	0.0010	0.0000	-0.0213
AT.	15	SI X	0.0010	0.2310	0.0012	-0.0277	0.0073	0.0010
		Y	0.2215	0.0004	0.0003	-0.0074	0.0013	-0.0045
		Z	-0.0007	-0.0001	0.2629	-0.0023	-0.0245	-0.0147
AT.	16	SI X	-0.0010	0.2310	-0.0012	0.0277	-0.0073	0.0010
		Y	0.2215	-0.0004	0.0003	-0.0074	0.0013	0.0045
		Z	-0.0007	0.0001	0.2629	-0.0023	-0.0245	0.0147
AT.	17	SI X	-0.0010	0.2310	0.0012	-0.0277	-0.0073	-0.0010
		Y	0.2215	-0.0004	-0.0003	0.0074	0.0013	-0.0045
		Z	0.0007	-0.0001	0.2629	-0.0023	0.0245	0.0147
AT.	18	SI X	0.0010	0.2310	-0.0012	0.0277	0.0073	-0.0010
		Y	0.2215	0.0004	-0.0003	0.0074	0.0013	0.0045
		Z	0.0007	0.0001	0.2629	-0.0023	0.0245	-0.0147
AT.	19	SI X	0.0000	0.2299	0.0000	0.0000	0.0000	-0.0103
		Y	0.2215	0.0000	-0.0007	0.0176	-0.0208	0.0000
		Z	-0.0005	0.0000	0.2628	-0.0241	-0.0150	0.0000
AT.	20	SI X	0.0000	0.2299	0.0000	0.0000	0.0000	0.0103
		Y	0.2215	0.0000	0.0007	-0.0176	-0.0208	0.0000
		Z	0.0005	0.0000	0.2628	-0.0241	0.0150	0.0000
AT.	21	O X	0.0005	0.2322	0.0008	-0.0243	0.0251	-0.0229
		Y	0.2231	0.0004	-0.0009	-0.0037	0.0264	-0.0069
		Z	-0.0003	-0.0004	0.2643	-0.0106	-0.0027	0.0105

AT.	22	O	X	-0.0005	0.2322	-0.0008	0.0243	-0.0251	-0.0229
			Y	0.2231	-0.0004	-0.0009	-0.0037	0.0264	0.0069
			Z	-0.0003	0.0004	0.2643	-0.0106	-0.0027	-0.0105
AT.	23	O	X	-0.0005	0.2322	0.0008	-0.0243	-0.0251	0.0229
			Y	0.2231	-0.0004	0.0009	0.0037	0.0264	-0.0069
			Z	0.0003	-0.0004	0.2643	-0.0106	0.0027	-0.0105
AT.	24	O	X	0.0005	0.2322	-0.0008	0.0243	0.0251	0.0229
			Y	0.2231	0.0004	0.0009	0.0037	0.0264	0.0069
			Z	0.0003	0.0004	0.2643	-0.0106	0.0027	0.0105
AT.	25	O	X	-0.0001	0.2314	0.0000	0.0000	0.0250	0.0000
			Y	0.2228	-0.0018	0.0000	0.0000	0.0208	0.0000
			Z	0.0000	0.0000	0.2636	0.0263	0.0000	0.0480
AT.	26	O	X	0.0001	0.2314	0.0000	0.0000	-0.0250	0.0000
			Y	0.2228	0.0018	0.0000	0.0000	0.0208	0.0000
			Z	0.0000	0.0000	0.2636	0.0263	0.0000	-0.0480
AT.	27	O	X	0.0003	0.2314	0.0000	0.0000	0.0272	0.0000
			Y	0.2242	-0.0001	0.0000	0.0000	0.0232	0.0000
			Z	0.0000	0.0000	0.2640	0.0022	0.0000	0.0198
AT.	28	O	X	-0.0003	0.2314	0.0000	0.0000	-0.0272	0.0000
			Y	0.2242	0.0001	0.0000	0.0000	0.0232	0.0000
			Z	0.0000	0.0000	0.2640	0.0022	0.0000	-0.0198
AT.	29	O	X	0.0000	0.2319	0.0004	-0.0231	-0.0122	0.0192
			Y	0.2230	0.0007	-0.0013	-0.0056	0.0169	-0.0118
			Z	-0.0002	0.0009	0.2636	0.0017	-0.0258	-0.0098
AT.	30	O	X	0.0000	0.2319	-0.0004	0.0231	0.0122	0.0192
			Y	0.2230	-0.0007	-0.0013	-0.0056	0.0169	0.0118
			Z	-0.0002	-0.0009	0.2636	0.0017	-0.0258	0.0098
AT.	31	O	X	0.0000	0.2319	0.0004	-0.0231	0.0122	-0.0192
			Y	0.2230	-0.0007	0.0013	0.0056	0.0169	-0.0118
			Z	0.0002	0.0009	0.2636	0.0017	0.0258	0.0098
AT.	32	O	X	0.0000	0.2319	-0.0004	0.0231	-0.0122	-0.0192
			Y	0.2230	0.0007	0.0013	0.0056	0.0169	0.0118
			Z	0.0002	-0.0009	0.2636	0.0017	0.0258	-0.0098
AT.	33	O	X	-0.0010	0.2317	0.0012	-0.0320	-0.0077	-0.0038
			Y	0.2215	0.0020	-0.0011	0.0197	-0.0040	0.0037
			Z	-0.0007	-0.0015	0.2632	-0.0095	-0.0036	0.0361
AT.	34	O	X	0.0010	0.2317	-0.0012	0.0320	0.0077	-0.0038
			Y	0.2215	-0.0020	-0.0011	0.0197	-0.0040	-0.0037
			Z	-0.0007	0.0015	0.2632	-0.0095	-0.0036	-0.0361
AT.	35	O	X	0.0010	0.2317	0.0012	-0.0320	0.0077	0.0038
			Y	0.2215	-0.0020	0.0011	-0.0197	-0.0040	0.0037
			Z	0.0007	-0.0015	0.2632	-0.0095	0.0036	-0.0361
AT.	36	O	X	-0.0010	0.2317	-0.0012	0.0320	-0.0077	0.0038
			Y	0.2215	0.0020	0.0011	-0.0197	-0.0040	-0.0037
			Z	0.0007	0.0015	0.2632	-0.0095	0.0036	0.0361
AT.	37	O	X	0.0016	0.2305	0.0006	-0.0346	0.0250	-0.0123
			Y	0.2222	-0.0004	-0.0008	0.0025	-0.0094	-0.0023
			Z	-0.0010	0.0003	0.2622	-0.0003	-0.0300	-0.0018
AT.	38	O	X	-0.0016	0.2305	-0.0006	0.0346	-0.0250	-0.0123
			Y	0.2222	0.0004	-0.0008	0.0025	-0.0094	0.0023
			Z	-0.0010	-0.0003	0.2622	-0.0003	-0.0300	0.0018
AT.	39	O	X	-0.0016	0.2305	0.0006	-0.0346	-0.0250	0.0123
			Y	0.2222	0.0004	0.0008	-0.0025	-0.0094	-0.0023
			Z	0.0010	0.0003	0.2622	-0.0003	0.0300	0.0018
AT.	40	O	X	0.0016	0.2305	-0.0006	0.0346	0.0250	0.0123
			Y	0.2222	-0.0004	0.0008	-0.0025	-0.0094	0.0023
			Z	0.0010	-0.0003	0.2622	-0.0003	0.0300	-0.0018
AT.	41	O	X	0.0012	0.2320	-0.0001	-0.0197	0.0090	0.0009
			Y	0.2235	0.0000	-0.0003	-0.0070	0.0022	-0.0041
			Z	-0.0018	-0.0008	0.2628	0.0113	-0.0389	-0.0130
AT.	42	O	X	-0.0012	0.2320	0.0001	0.0197	-0.0090	0.0009

	Y	0.2235	0.0000	-0.0003	-0.0070	0.0022	0.0041
	Z	-0.0018	0.0008	0.2628	0.0113	-0.0389	0.0130
AT. 43 O	X	-0.0012	0.2320	-0.0001	-0.0197	-0.0090	-0.0009
	Y	0.2235	0.0000	0.0003	0.0070	0.0022	-0.0041
	Z	0.0018	-0.0008	0.2628	0.0113	0.0389	0.0130
AT. 44 O	X	0.0012	0.2320	0.0001	0.0197	0.0090	-0.0009
	Y	0.2235	0.0000	0.0003	0.0070	0.0022	0.0041
	Z	0.0018	0.0008	0.2628	0.0113	0.0389	-0.0130
AT. 45 O	X	-0.0007	0.2309	-0.0001	-0.0059	0.0023	-0.0098
	Y	0.2200	0.0007	-0.0003	0.0303	-0.0388	0.0087
	Z	0.0007	0.0006	0.2624	-0.0431	0.0075	-0.0086
AT. 46 O	X	0.0007	0.2309	0.0001	0.0059	-0.0023	-0.0098
	Y	0.2200	-0.0007	-0.0003	0.0303	-0.0388	-0.0087
	Z	0.0007	-0.0006	0.2624	-0.0431	0.0075	0.0086
AT. 47 O	X	0.0007	0.2309	-0.0001	-0.0059	-0.0023	0.0098
	Y	0.2200	-0.0007	0.0003	-0.0303	-0.0388	0.0087
	Z	-0.0007	0.0006	0.2624	-0.0431	-0.0075	0.0086
AT. 48 O	X	-0.0007	0.2309	0.0001	0.0059	0.0023	0.0098
	Y	0.2200	0.0007	0.0003	-0.0303	-0.0388	-0.0087
	Z	-0.0007	-0.0006	0.2624	-0.0431	-0.0075	-0.0086

FREQ(CM**-1)	110.69	113.40	115.39	116.76	125.84	127.40
AT. 1 CA X	-0.0240	0.0000	0.0000	-0.0380	0.0000	-0.0131
Y	0.0000	-0.0312	0.0928	0.0000	-0.0010	0.0000
Z	0.0000	-0.0072	0.0154	0.0000	0.0308	0.0000
AT. 2 CA X	0.0240	0.0000	0.0000	-0.0380	0.0000	-0.0131
Y	0.0000	-0.0312	-0.0928	0.0000	0.0010	0.0000
Z	0.0000	0.0072	0.0154	0.0000	0.0308	0.0000
AT. 3 CA X	0.0000	-0.0059	0.0000	0.0419	0.0000	0.0081
Y	0.0000	0.0315	0.0000	0.0006	0.0000	0.0009
Z	0.0112	0.0000	-0.0019	0.0000	0.0064	0.0000
AT. 4 CA X	0.0000	0.0059	0.0000	0.0419	0.0000	0.0081
Y	0.0000	0.0315	0.0000	-0.0006	0.0000	-0.0009
Z	-0.0112	0.0000	-0.0019	0.0000	0.0064	0.0000
AT. 5 CA X	0.0253	-0.0105	-0.0015	0.0284	0.0051	0.0094
Y	-0.0163	0.0103	0.0096	-0.0171	-0.0185	0.0423
Z	-0.0002	-0.0195	0.0066	-0.0168	0.0087	-0.0071
AT. 6 CA X	0.0253	0.0105	0.0015	0.0284	-0.0051	0.0094
Y	0.0163	0.0103	0.0096	0.0171	-0.0185	-0.0423
Z	0.0002	-0.0195	0.0066	0.0168	0.0087	0.0071
AT. 7 CA X	-0.0253	0.0105	-0.0015	0.0284	0.0051	0.0094
Y	-0.0163	0.0103	-0.0096	0.0171	0.0185	-0.0423
Z	0.0002	0.0195	0.0066	-0.0168	0.0087	-0.0071
AT. 8 CA X	-0.0253	-0.0105	0.0015	0.0284	-0.0051	0.0094
Y	0.0163	0.0103	-0.0096	-0.0171	0.0185	0.0423
Z	-0.0002	0.0195	0.0066	0.0168	0.0087	0.0071
AT. 9 CA X	0.0077	-0.0022	0.0027	-0.0034	0.0105	-0.0086
Y	-0.0315	0.0052	0.0062	-0.0054	0.0329	0.0102
Z	0.0103	0.0056	0.0082	0.0000	0.0056	-0.0137
AT. 10 CA X	0.0077	0.0022	-0.0027	-0.0034	-0.0105	-0.0086
Y	0.0315	0.0052	0.0062	0.0054	0.0329	-0.0102
Z	-0.0103	0.0056	0.0082	0.0000	0.0056	0.0137
AT. 11 CA X	-0.0077	0.0022	0.0027	-0.0034	0.0105	-0.0086
Y	-0.0315	0.0052	-0.0062	0.0054	-0.0329	-0.0102
Z	-0.0103	-0.0056	0.0082	0.0000	0.0056	-0.0137
AT. 12 CA X	-0.0077	-0.0022	-0.0027	-0.0034	-0.0105	-0.0086
Y	0.0315	0.0052	-0.0062	-0.0054	-0.0329	0.0102
Z	0.0103	-0.0056	0.0082	0.0000	0.0056	0.0137
AT. 13 SI X	0.0000	-0.0226	0.0000	0.0251	0.0000	0.0250
Y	0.0000	0.0141	0.0000	-0.0219	0.0000	0.0396

		Z	0.0146	0.0000	0.0055	0.0000	-0.0076	0.0000
AT.	14 SI	X	0.0000	0.0226	0.0000	0.0251	0.0000	0.0250
		Y	0.0000	0.0141	0.0000	0.0219	0.0000	-0.0396
		Z	-0.0146	0.0000	0.0055	0.0000	-0.0076	0.0000
AT.	15 SI	X	-0.0141	0.0173	0.0112	-0.0140	0.0091	-0.0060
		Y	-0.0258	-0.0038	-0.0204	0.0092	0.0270	-0.0208
		Z	-0.0174	0.0224	-0.0133	-0.0119	-0.0092	-0.0004
AT.	16 SI	X	-0.0141	-0.0173	-0.0112	-0.0140	-0.0091	-0.0060
		Y	0.0258	-0.0038	-0.0204	-0.0092	0.0270	0.0208
		Z	0.0174	0.0224	-0.0133	0.0119	-0.0092	0.0004
AT.	17 SI	X	0.0141	-0.0173	0.0112	-0.0140	0.0091	-0.0060
		Y	-0.0258	-0.0038	0.0204	-0.0092	-0.0270	0.0208
		Z	0.0174	-0.0224	-0.0133	-0.0119	-0.0092	-0.0004
AT.	18 SI	X	0.0141	0.0173	-0.0112	-0.0140	-0.0091	-0.0060
		Y	0.0258	-0.0038	0.0204	0.0092	-0.0270	-0.0208
		Z	-0.0174	-0.0224	-0.0133	0.0119	-0.0092	0.0004
AT.	19 SI	X	-0.0265	0.0000	0.0000	-0.0360	0.0000	-0.0121
		Y	0.0000	-0.0203	-0.0077	0.0000	0.0434	0.0000
		Z	0.0000	0.0403	-0.0015	0.0000	-0.0059	0.0000
AT.	20 SI	X	0.0265	0.0000	0.0000	-0.0360	0.0000	-0.0121
		Y	0.0000	-0.0203	0.0077	0.0000	-0.0434	0.0000
		Z	0.0000	-0.0403	-0.0015	0.0000	-0.0059	0.0000
AT.	21 O	X	0.0174	-0.0170	0.0022	0.0246	0.0014	0.0196
		Y	-0.0053	0.0173	0.0019	-0.0187	0.0042	0.0343
		Z	0.0264	0.0009	0.0040	-0.0017	-0.0085	-0.0003
AT.	22 O	X	0.0174	0.0170	-0.0022	0.0246	-0.0014	0.0196
		Y	0.0053	0.0173	0.0019	0.0187	0.0042	-0.0343
		Z	-0.0264	0.0009	0.0040	0.0017	-0.0085	0.0003
AT.	23 O	X	-0.0174	0.0170	0.0022	0.0246	0.0014	0.0196
		Y	-0.0053	0.0173	-0.0019	0.0187	-0.0042	-0.0343
		Z	-0.0264	-0.0009	0.0040	-0.0017	-0.0085	-0.0003
AT.	24 O	X	-0.0174	-0.0170	-0.0022	0.0246	-0.0014	0.0196
		Y	0.0053	0.0173	-0.0019	-0.0187	-0.0042	0.0343
		Z	0.0264	-0.0009	0.0040	0.0017	-0.0085	0.0003
AT.	25 O	X	0.0000	-0.0168	0.0000	0.0270	0.0000	0.0234
		Y	0.0000	0.0052	0.0000	-0.0269	0.0000	0.0418
		Z	-0.0068	0.0000	0.0021	0.0000	-0.0065	0.0000
AT.	26 O	X	0.0000	0.0168	0.0000	0.0270	0.0000	0.0234
		Y	0.0000	0.0052	0.0000	0.0269	0.0000	-0.0418
		Z	0.0068	0.0000	0.0021	0.0000	-0.0065	0.0000
AT.	27 O	X	0.0000	-0.0289	0.0000	0.0199	0.0000	0.0221
		Y	0.0000	0.0147	0.0000	-0.0220	0.0000	0.0404
		Z	0.0159	0.0000	-0.0001	0.0000	-0.0061	0.0000
AT.	28 O	X	0.0000	0.0289	0.0000	0.0199	0.0000	0.0221
		Y	0.0000	0.0147	0.0000	0.0220	0.0000	-0.0404
		Z	-0.0159	0.0000	-0.0001	0.0000	-0.0061	0.0000
AT.	29 O	X	-0.0069	0.0139	0.0090	0.0054	0.0063	-0.0012
		Y	-0.0145	0.0021	-0.0074	0.0054	0.0320	-0.0212
		Z	-0.0064	0.0243	-0.0062	-0.0044	-0.0077	-0.0003
AT.	30 O	X	-0.0069	-0.0139	-0.0090	0.0054	-0.0063	-0.0012
		Y	0.0145	0.0021	-0.0074	-0.0054	0.0320	0.0212
		Z	0.0064	0.0243	-0.0062	0.0044	-0.0077	0.0003
AT.	31 O	X	0.0069	-0.0139	0.0090	0.0054	0.0063	-0.0012
		Y	-0.0145	0.0021	0.0074	-0.0054	-0.0320	0.0212
		Z	0.0064	-0.0243	-0.0062	-0.0044	-0.0077	-0.0003
AT.	32 O	X	0.0069	0.0139	-0.0090	0.0054	-0.0063	-0.0012
		Y	0.0145	0.0021	0.0074	0.0054	-0.0320	-0.0212
		Z	-0.0064	-0.0243	-0.0062	0.0044	-0.0077	0.0003
AT.	33 O	X	0.0189	-0.0160	0.0087	-0.0122	0.0002	-0.0086
		Y	-0.0372	-0.0068	0.0258	-0.0161	-0.0048	0.0247
		Z	0.0276	-0.0182	-0.0064	-0.0231	-0.0101	-0.0084

AT. 34	O	X	0.0189	0.0160	-0.0087	-0.0122	-0.0002	-0.0086
		Y	0.0372	-0.0068	0.0258	0.0161	-0.0048	-0.0247
		Z	-0.0276	-0.0182	-0.0064	0.0231	-0.0101	0.0084
AT. 35	O	X	-0.0189	0.0160	0.0087	-0.0122	0.0002	-0.0086
		Y	-0.0372	-0.0068	-0.0258	0.0161	0.0048	-0.0247
		Z	-0.0276	0.0182	-0.0064	-0.0231	-0.0101	-0.0084
AT. 36	O	X	-0.0189	-0.0160	-0.0087	-0.0122	-0.0002	-0.0086
		Y	0.0372	-0.0068	-0.0258	-0.0161	0.0048	0.0247
		Z	0.0276	0.0182	-0.0064	0.0231	-0.0101	0.0084
AT. 37	O	X	-0.0271	0.0179	-0.0030	-0.0299	0.0014	-0.0138
		Y	-0.0158	-0.0113	-0.0172	0.0027	0.0406	-0.0078
		Z	-0.0128	0.0271	-0.0060	-0.0011	-0.0081	-0.0042
AT. 38	O	X	-0.0271	-0.0179	0.0030	-0.0299	-0.0014	-0.0138
		Y	0.0158	-0.0113	-0.0172	-0.0027	0.0406	0.0078
		Z	0.0128	0.0271	-0.0060	0.0011	-0.0081	0.0042
AT. 39	O	X	0.0271	-0.0179	-0.0030	-0.0299	0.0014	-0.0138
		Y	-0.0158	-0.0113	0.0172	-0.0027	-0.0406	0.0078
		Z	0.0128	-0.0271	-0.0060	-0.0011	-0.0081	-0.0042
AT. 40	O	X	0.0271	0.0179	0.0030	-0.0299	-0.0014	-0.0138
		Y	0.0158	-0.0113	0.0172	0.0027	-0.0406	-0.0078
		Z	-0.0128	-0.0271	-0.0060	0.0011	-0.0081	0.0042
AT. 41	O	X	-0.0006	0.0168	0.0225	-0.0140	0.0204	-0.0044
		Y	-0.0253	-0.0038	-0.0188	0.0101	0.0285	-0.0210
		Z	-0.0099	0.0180	-0.0187	-0.0095	-0.0116	-0.0001
AT. 42	O	X	-0.0006	-0.0168	-0.0225	-0.0140	-0.0204	-0.0044
		Y	0.0253	-0.0038	-0.0188	-0.0101	0.0285	0.0210
		Z	0.0099	0.0180	-0.0187	0.0095	-0.0116	0.0001
AT. 43	O	X	0.0006	-0.0168	0.0225	-0.0140	0.0204	-0.0044
		Y	-0.0253	-0.0038	0.0188	-0.0101	-0.0285	0.0210
		Z	0.0099	-0.0180	-0.0187	-0.0095	-0.0116	-0.0001
AT. 44	O	X	0.0006	0.0168	-0.0225	-0.0140	-0.0204	-0.0044
		Y	0.0253	-0.0038	0.0188	0.0101	-0.0285	-0.0210
		Z	-0.0099	-0.0180	-0.0187	0.0095	-0.0116	0.0001
AT. 45	O	X	-0.0282	-0.0034	0.0220	-0.0318	0.0040	-0.0118
		Y	-0.0277	-0.0358	0.0166	-0.0099	0.0422	-0.0034
		Z	0.0265	0.0526	-0.0016	0.0135	-0.0017	0.0042
AT. 46	O	X	-0.0282	0.0034	-0.0220	-0.0318	-0.0040	-0.0118
		Y	0.0277	-0.0358	0.0166	0.0099	0.0422	0.0034
		Z	-0.0265	0.0526	-0.0016	-0.0135	-0.0017	-0.0042
AT. 47	O	X	0.0282	0.0034	0.0220	-0.0318	0.0040	-0.0118
		Y	-0.0277	-0.0358	-0.0166	0.0099	-0.0422	0.0034
		Z	-0.0265	-0.0526	-0.0016	0.0135	-0.0017	0.0042
AT. 48	O	X	0.0282	-0.0034	-0.0220	-0.0318	-0.0040	-0.0118
		Y	0.0277	-0.0358	-0.0166	-0.0099	-0.0422	-0.0034
		Z	0.0265	-0.0526	-0.0016	-0.0135	-0.0017	-0.0042

FREQ(CM**-1)	128.84	129.97	142.94	145.39	147.04	150.25

AT. 1	CA	X	-0.0079	0.0000	0.0000	0.0000	-0.0421	-0.0064
		Y	0.0000	0.0094	0.0034	-0.0503	0.0000	0.0000
		Z	0.0000	0.0608	0.0429	-0.0156	0.0000	0.0000
AT. 2	CA	X	0.0079	0.0000	0.0000	0.0000	0.0421	-0.0064
		Y	0.0000	0.0094	-0.0034	-0.0503	0.0000	0.0000
		Z	0.0000	-0.0608	0.0429	0.0156	0.0000	0.0000
AT. 3	CA	X	0.0000	0.0221	0.0000	0.0129	0.0000	0.0044
		Y	0.0000	-0.0074	0.0000	0.0296	0.0000	0.0650
		Z	0.0238	0.0000	-0.0086	0.0000	-0.0332	0.0000
AT. 4	CA	X	0.0000	-0.0221	0.0000	-0.0129	0.0000	0.0044
		Y	0.0000	-0.0074	0.0000	0.0296	0.0000	-0.0650
		Z	-0.0238	0.0000	-0.0086	0.0000	0.0332	0.0000
AT. 5	CA	X	0.0214	-0.0174	-0.0133	-0.0304	-0.0030	0.0069

		Y	0.0236	-0.0019	-0.0192	0.0046	0.0073	-0.0083
		Z	0.0134	0.0210	0.0236	0.0217	-0.0122	0.0044
AT.	6	CA X	0.0214	0.0174	0.0133	0.0304	-0.0030	0.0069
		Y	-0.0236	-0.0019	-0.0192	0.0046	-0.0073	0.0083
		Z	-0.0134	0.0210	0.0236	0.0217	0.0122	-0.0044
AT.	7	CA X	-0.0214	0.0174	-0.0133	0.0304	0.0030	0.0069
		Y	0.0236	-0.0019	0.0192	0.0046	0.0073	0.0083
		Z	-0.0134	-0.0210	0.0236	-0.0217	0.0122	0.0044
AT.	8	CA X	-0.0214	-0.0174	0.0133	-0.0304	0.0030	0.0069
		Y	-0.0236	-0.0019	0.0192	0.0046	-0.0073	-0.0083
		Z	0.0134	-0.0210	0.0236	-0.0217	-0.0122	-0.0044
AT.	9	CA X	-0.0058	0.0125	-0.0042	-0.0059	0.0010	0.0003
		Y	0.0138	0.0093	-0.0123	-0.0094	0.0091	0.0241
		Z	-0.0008	0.0149	-0.0205	0.0047	-0.0318	-0.0121
AT.	10	CA X	-0.0058	-0.0125	0.0042	0.0059	0.0010	0.0003
		Y	-0.0138	0.0093	-0.0123	-0.0094	-0.0091	-0.0241
		Z	0.0008	0.0149	-0.0205	0.0047	0.0318	0.0121
AT.	11	CA X	0.0058	-0.0125	-0.0042	0.0059	-0.0010	0.0003
		Y	0.0138	0.0093	0.0123	-0.0094	0.0091	-0.0241
		Z	0.0008	-0.0149	-0.0205	-0.0047	0.0318	-0.0121
AT.	12	CA X	0.0058	0.0125	0.0042	-0.0059	-0.0010	0.0003
		Y	-0.0138	0.0093	0.0123	-0.0094	-0.0091	0.0241
		Z	-0.0008	-0.0149	-0.0205	-0.0047	-0.0318	0.0121
AT.	13	SI X	0.0000	0.0073	0.0000	-0.0143	0.0000	-0.0047
		Y	0.0000	-0.0041	0.0000	0.0129	0.0000	0.0205
		Z	0.0276	0.0000	-0.0064	0.0000	-0.0276	0.0000
AT.	14	SI X	0.0000	-0.0073	0.0000	0.0143	0.0000	-0.0047
		Y	0.0000	-0.0041	0.0000	0.0129	0.0000	-0.0205
		Z	-0.0276	0.0000	-0.0064	0.0000	0.0276	0.0000
AT.	15	SI X	-0.0141	0.0218	0.0011	-0.0042	0.0080	0.0009
		Y	0.0262	0.0000	0.0094	-0.0050	0.0006	0.0197
		Z	-0.0106	-0.0178	-0.0076	-0.0134	-0.0181	0.0057
AT.	16	SI X	-0.0141	-0.0218	-0.0011	0.0042	0.0080	0.0009
		Y	-0.0262	0.0000	0.0094	-0.0050	-0.0006	-0.0197
		Z	0.0106	-0.0178	-0.0076	-0.0134	0.0181	-0.0057
AT.	17	SI X	0.0141	-0.0218	0.0011	0.0042	-0.0080	0.0009
		Y	0.0262	0.0000	-0.0094	-0.0050	0.0006	-0.0197
		Z	0.0106	0.0178	-0.0076	0.0134	0.0181	0.0057
AT.	18	SI X	0.0141	0.0218	-0.0011	-0.0042	-0.0080	0.0009
		Y	-0.0262	0.0000	-0.0094	-0.0050	-0.0006	0.0197
		Z	-0.0106	0.0178	-0.0076	0.0134	-0.0181	-0.0057
AT.	19	SI X	-0.0243	0.0000	0.0000	0.0000	-0.0258	-0.0032
		Y	0.0000	-0.0003	-0.0300	0.0041	0.0000	0.0000
		Z	0.0000	0.0107	-0.0106	-0.0153	0.0000	0.0000
AT.	20	SI X	0.0243	0.0000	0.0000	0.0000	0.0258	-0.0032
		Y	0.0000	-0.0003	0.0300	0.0041	0.0000	0.0000
		Z	0.0000	-0.0107	-0.0106	0.0153	0.0000	0.0000
AT.	21	O X	0.0112	0.0028	-0.0051	-0.0164	0.0005	-0.0017
		Y	0.0214	-0.0089	0.0009	0.0053	0.0038	0.0309
		Z	0.0221	0.0012	-0.0087	0.0024	-0.0289	-0.0034
AT.	22	O X	0.0112	-0.0028	0.0051	0.0164	0.0005	-0.0017
		Y	-0.0214	-0.0089	0.0009	0.0053	-0.0038	-0.0309
		Z	-0.0221	0.0012	-0.0087	0.0024	0.0289	0.0034
AT.	23	O X	-0.0112	-0.0028	-0.0051	0.0164	-0.0005	-0.0017
		Y	0.0214	-0.0089	-0.0009	0.0053	0.0038	-0.0309
		Z	-0.0221	-0.0012	-0.0087	-0.0024	0.0289	-0.0034
AT.	24	O X	-0.0112	0.0028	0.0051	-0.0164	-0.0005	-0.0017
		Y	-0.0214	-0.0089	-0.0009	0.0053	-0.0038	0.0309
		Z	0.0221	-0.0012	-0.0087	-0.0024	-0.0289	0.0034
AT.	25	O X	0.0000	-0.0006	0.0000	-0.0183	0.0000	0.0070
		Y	0.0000	0.0091	0.0000	0.0218	0.0000	-0.0062

		Z	0.0122	0.0000	0.0002	0.0000	-0.0170	0.0000
AT.	26 O	X	0.0000	0.0006	0.0000	0.0183	0.0000	0.0070
		Y	0.0000	0.0091	0.0000	0.0218	0.0000	0.0062
		Z	-0.0122	0.0000	0.0002	0.0000	0.0170	0.0000
AT.	27 O	X	0.0000	0.0113	0.0000	-0.0134	0.0000	-0.0159
		Y	0.0000	-0.0036	0.0000	0.0124	0.0000	0.0202
		Z	0.0391	0.0000	0.0077	0.0000	-0.0196	0.0000
AT.	28 O	X	0.0000	-0.0113	0.0000	0.0134	0.0000	-0.0159
		Y	0.0000	-0.0036	0.0000	0.0124	0.0000	-0.0202
		Z	-0.0391	0.0000	0.0077	0.0000	0.0196	0.0000
AT.	29 O	X	-0.0109	0.0280	-0.0156	0.0097	0.0174	-0.0032
		Y	0.0353	0.0010	0.0139	0.0042	0.0009	0.0328
		Z	-0.0030	-0.0118	-0.0153	-0.0018	-0.0119	0.0090
AT.	30 O	X	-0.0109	-0.0280	0.0156	-0.0097	0.0174	-0.0032
		Y	-0.0353	0.0010	0.0139	0.0042	-0.0009	-0.0328
		Z	0.0030	-0.0118	-0.0153	-0.0018	0.0119	-0.0090
AT.	31 O	X	0.0109	-0.0280	-0.0156	-0.0097	-0.0174	-0.0032
		Y	0.0353	0.0010	-0.0139	0.0042	0.0009	-0.0328
		Z	0.0030	0.0118	-0.0153	0.0018	0.0119	0.0090
AT.	32 O	X	0.0109	0.0280	0.0156	0.0097	-0.0174	-0.0032
		Y	-0.0353	0.0010	-0.0139	0.0042	-0.0009	0.0328
		Z	-0.0030	0.0118	-0.0153	0.0018	-0.0119	-0.0090
AT.	33 O	X	0.0127	-0.0187	0.0038	0.0032	-0.0047	-0.0042
		Y	0.0283	-0.0034	-0.0111	-0.0008	-0.0062	-0.0079
		Z	0.0137	0.0248	0.0168	0.0218	0.0242	0.0048
AT.	34 O	X	0.0127	0.0187	-0.0038	-0.0032	-0.0047	-0.0042
		Y	-0.0283	-0.0034	-0.0111	-0.0008	0.0062	0.0079
		Z	-0.0137	0.0248	0.0168	0.0218	-0.0242	-0.0048
AT.	35 O	X	-0.0127	0.0187	0.0038	-0.0032	0.0047	-0.0042
		Y	0.0283	-0.0034	0.0111	-0.0008	-0.0062	0.0079
		Z	-0.0137	-0.0248	0.0168	-0.0218	-0.0242	0.0048
AT.	36 O	X	-0.0127	-0.0187	-0.0038	0.0032	0.0047	-0.0042
		Y	-0.0283	-0.0034	0.0111	-0.0008	0.0062	-0.0079
		Z	0.0137	-0.0248	0.0168	-0.0218	0.0242	-0.0048
AT.	37 O	X	-0.0216	0.0180	0.0293	-0.0181	-0.0161	-0.0014
		Y	0.0114	-0.0016	-0.0079	-0.0051	0.0062	0.0135
		Z	0.0052	-0.0131	-0.0194	-0.0039	-0.0035	0.0098
AT.	38 O	X	-0.0216	-0.0180	-0.0293	0.0181	-0.0161	-0.0014
		Y	-0.0114	-0.0016	-0.0079	-0.0051	-0.0062	-0.0135
		Z	-0.0052	-0.0131	-0.0194	-0.0039	0.0035	-0.0098
AT.	39 O	X	0.0216	-0.0180	0.0293	0.0181	0.0161	-0.0014
		Y	0.0114	-0.0016	0.0079	-0.0051	0.0062	-0.0135
		Z	-0.0052	0.0131	-0.0194	0.0039	0.0035	0.0098
AT.	40 O	X	0.0216	0.0180	-0.0293	-0.0181	0.0161	-0.0014
		Y	-0.0114	-0.0016	0.0079	-0.0051	-0.0062	0.0135
		Z	0.0052	0.0131	-0.0194	0.0039	-0.0035	-0.0098
AT.	41 O	X	-0.0114	0.0168	0.0088	0.0031	0.0158	0.0052
		Y	0.0270	-0.0007	0.0104	-0.0029	0.0014	0.0203
		Z	-0.0257	-0.0151	-0.0157	-0.0167	-0.0104	-0.0063
AT.	42 O	X	-0.0114	-0.0168	-0.0088	-0.0031	0.0158	0.0052
		Y	-0.0270	-0.0007	0.0104	-0.0029	-0.0014	-0.0203
		Z	0.0257	-0.0151	-0.0157	-0.0167	0.0104	0.0063
AT.	43 O	X	0.0114	-0.0168	0.0088	-0.0031	-0.0158	0.0052
		Y	0.0270	-0.0007	-0.0104	-0.0029	0.0014	-0.0203
		Z	0.0257	0.0151	-0.0157	0.0167	0.0104	-0.0063
AT.	44 O	X	0.0114	0.0168	-0.0088	0.0031	-0.0158	0.0052
		Y	-0.0270	-0.0007	-0.0104	-0.0029	-0.0014	0.0203
		Z	-0.0257	0.0151	-0.0157	0.0167	-0.0104	0.0063
AT.	45 O	X	-0.0202	0.0149	0.0107	-0.0051	-0.0293	-0.0010
		Y	0.0158	-0.0068	-0.0450	0.0134	0.0080	0.0171
		Z	-0.0103	0.0335	0.0165	-0.0317	-0.0117	-0.0148

AT. 46 O	X	-0.0202	-0.0149	-0.0107	0.0051	-0.0293	-0.0010
	Y	-0.0158	-0.0068	-0.0450	0.0134	-0.0080	-0.0171
	Z	0.0103	0.0335	0.0165	-0.0317	0.0117	0.0148
AT. 47 O	X	0.0202	-0.0149	0.0107	0.0051	0.0293	-0.0010
	Y	0.0158	-0.0068	0.0450	0.0134	0.0080	-0.0171
	Z	0.0103	-0.0335	0.0165	0.0317	0.0117	-0.0148
AT. 48 O	X	0.0202	0.0149	-0.0107	-0.0051	0.0293	-0.0010
	Y	-0.0158	-0.0068	0.0450	0.0134	-0.0080	0.0171
	Z	-0.0103	-0.0335	0.0165	0.0317	-0.0117	0.0148

FREQ(CM**-1)	152.83	157.29	162.67	164.83	170.20	174.88

AT. 1 CA	X	0.0000	0.0036	0.0000	0.0032	0.0000	0.0000
	Y	-0.0220	0.0000	0.0071	0.0000	-0.0468	-0.0362
	Z	-0.0519	0.0000	0.0352	0.0000	0.0329	0.0463
AT. 2 CA	X	0.0000	0.0036	0.0000	-0.0032	0.0000	0.0000
	Y	-0.0220	0.0000	-0.0071	0.0000	-0.0468	0.0362
	Z	0.0519	0.0000	0.0352	0.0000	-0.0329	0.0463
AT. 3 CA	X	0.0002	-0.0169	0.0000	0.0000	-0.0138	0.0000
	Y	-0.0386	0.0088	0.0000	0.0000	-0.0201	0.0000
	Z	0.0000	0.0000	0.0010	-0.0161	0.0000	-0.0043
AT. 4 CA	X	-0.0002	-0.0169	0.0000	0.0000	0.0138	0.0000
	Y	-0.0386	-0.0088	0.0000	0.0000	-0.0201	0.0000
	Z	0.0000	0.0000	0.0010	0.0161	0.0000	-0.0043
AT. 5 CA	X	-0.0056	0.0098	0.0052	0.0210	-0.0059	0.0092
	Y	0.0047	0.0054	0.0181	-0.0218	-0.0076	0.0093
	Z	-0.0080	-0.0281	-0.0261	0.0181	0.0009	0.0065
AT. 6 CA	X	0.0056	0.0098	-0.0052	0.0210	0.0059	-0.0092
	Y	0.0047	-0.0054	0.0181	0.0218	-0.0076	0.0093
	Z	-0.0080	0.0281	-0.0261	-0.0181	0.0009	0.0065
AT. 7 CA	X	0.0056	0.0098	0.0052	-0.0210	0.0059	0.0092
	Y	0.0047	-0.0054	-0.0181	-0.0218	-0.0076	-0.0093
	Z	0.0080	-0.0281	-0.0261	-0.0181	-0.0009	0.0065
AT. 8 CA	X	-0.0056	0.0098	-0.0052	-0.0210	-0.0059	-0.0092
	Y	0.0047	0.0054	-0.0181	0.0218	-0.0076	-0.0093
	Z	0.0080	0.0281	-0.0261	0.0181	-0.0009	0.0065
AT. 9 CA	X	-0.0070	0.0121	-0.0221	-0.0221	-0.0031	0.0081
	Y	0.0180	-0.0036	0.0280	0.0058	0.0171	-0.0053
	Z	0.0105	-0.0020	-0.0075	-0.0298	-0.0030	-0.0097
AT. 10 CA	X	0.0070	0.0121	0.0221	-0.0221	0.0031	-0.0081
	Y	0.0180	0.0036	0.0280	-0.0058	0.0171	-0.0053
	Z	0.0105	0.0020	-0.0075	0.0298	-0.0030	-0.0097
AT. 11 CA	X	0.0070	0.0121	-0.0221	0.0221	0.0031	0.0081
	Y	0.0180	0.0036	-0.0280	0.0058	0.0171	0.0053
	Z	-0.0105	-0.0020	-0.0075	0.0298	0.0030	-0.0097
AT. 12 CA	X	-0.0070	0.0121	0.0221	0.0221	-0.0031	-0.0081
	Y	0.0180	-0.0036	-0.0280	-0.0058	0.0171	0.0053
	Z	-0.0105	0.0020	-0.0075	-0.0298	0.0030	-0.0097
AT. 13 SI	X	0.0203	-0.0319	0.0000	0.0000	-0.0108	0.0000
	Y	-0.0153	0.0090	0.0000	0.0000	-0.0152	0.0000
	Z	0.0000	0.0000	-0.0171	0.0029	0.0000	-0.0016
AT. 14 SI	X	-0.0203	-0.0319	0.0000	0.0000	0.0108	0.0000
	Y	-0.0153	-0.0090	0.0000	0.0000	-0.0152	0.0000
	Z	0.0000	0.0000	-0.0171	-0.0029	0.0000	-0.0016
AT. 15 SI	X	0.0170	0.0050	-0.0170	-0.0045	-0.0043	0.0108
	Y	0.0061	0.0006	0.0011	-0.0060	0.0081	-0.0171
	Z	-0.0054	-0.0242	0.0119	-0.0043	0.0067	-0.0034
AT. 16 SI	X	-0.0170	0.0050	0.0170	-0.0045	0.0043	-0.0108
	Y	0.0061	-0.0006	0.0011	0.0060	0.0081	-0.0171
	Z	-0.0054	0.0242	0.0119	0.0043	0.0067	-0.0034
AT. 17 SI	X	-0.0170	0.0050	-0.0170	0.0045	0.0043	0.0108

		Y	0.0061	-0.0006	-0.0011	-0.0060	0.0081	0.0171
		Z	0.0054	-0.0242	0.0119	0.0043	-0.0067	-0.0034
AT.	18 SI	X	0.0170	0.0050	0.0170	0.0045	-0.0043	-0.0108
		Y	0.0061	0.0006	-0.0011	0.0060	0.0081	0.0171
		Z	0.0054	0.0242	0.0119	-0.0043	-0.0067	-0.0034
AT.	19 SI	X	0.0000	0.0023	0.0000	0.0134	0.0000	0.0000
		Y	0.0187	0.0000	-0.0019	0.0000	0.0187	-0.0023
		Z	0.0127	0.0000	0.0144	0.0000	0.0004	-0.0045
AT.	20 SI	X	0.0000	0.0023	0.0000	-0.0134	0.0000	0.0000
		Y	0.0187	0.0000	0.0019	0.0000	0.0187	0.0023
		Z	-0.0127	0.0000	0.0144	0.0000	-0.0004	-0.0045
AT.	21 O	X	0.0156	-0.0208	0.0018	-0.0127	-0.0111	-0.0039
		Y	-0.0177	0.0174	0.0021	0.0154	-0.0046	0.0078
		Z	-0.0011	0.0003	-0.0154	-0.0123	-0.0044	-0.0101
AT.	22 O	X	-0.0156	-0.0208	-0.0018	-0.0127	0.0111	0.0039
		Y	-0.0177	-0.0174	0.0021	-0.0154	-0.0046	0.0078
		Z	-0.0011	-0.0003	-0.0154	0.0123	-0.0044	-0.0101
AT.	23 O	X	-0.0156	-0.0208	0.0018	0.0127	0.0111	-0.0039
		Y	-0.0177	-0.0174	-0.0021	0.0154	-0.0046	-0.0078
		Z	0.0011	0.0003	-0.0154	0.0123	0.0044	-0.0101
AT.	24 O	X	0.0156	-0.0208	-0.0018	0.0127	-0.0111	0.0039
		Y	-0.0177	0.0174	-0.0021	-0.0154	-0.0046	-0.0078
		Z	0.0011	-0.0003	-0.0154	-0.0123	0.0044	-0.0101
AT.	25 O	X	0.0144	-0.0225	0.0000	0.0000	-0.0051	0.0000
		Y	-0.0064	-0.0079	0.0000	0.0000	-0.0278	0.0000
		Z	0.0000	0.0000	-0.0193	0.0167	0.0000	0.0018
AT.	26 O	X	-0.0144	-0.0225	0.0000	0.0000	0.0051	0.0000
		Y	-0.0064	0.0079	0.0000	0.0000	-0.0278	0.0000
		Z	0.0000	0.0000	-0.0193	-0.0167	0.0000	0.0018
AT.	27 O	X	0.0238	-0.0311	0.0000	0.0000	-0.0196	0.0000
		Y	-0.0152	0.0099	0.0000	0.0000	-0.0154	0.0000
		Z	0.0000	0.0000	-0.0194	0.0205	0.0000	-0.0053
AT.	28 O	X	-0.0238	-0.0311	0.0000	0.0000	0.0196	0.0000
		Y	-0.0152	-0.0099	0.0000	0.0000	-0.0154	0.0000
		Z	0.0000	0.0000	-0.0194	-0.0205	0.0000	-0.0053
AT.	29 O	X	0.0222	0.0044	-0.0143	-0.0285	-0.0237	0.0283
		Y	0.0054	0.0123	0.0003	-0.0063	0.0013	-0.0184
		Z	-0.0031	-0.0179	0.0095	-0.0184	-0.0059	0.0046
AT.	30 O	X	-0.0222	0.0044	0.0143	-0.0285	0.0237	-0.0283
		Y	0.0054	-0.0123	0.0003	0.0063	0.0013	-0.0184
		Z	-0.0031	0.0179	0.0095	0.0184	-0.0059	0.0046
AT.	31 O	X	-0.0222	0.0044	-0.0143	0.0285	0.0237	0.0283
		Y	0.0054	-0.0123	-0.0003	-0.0063	0.0013	0.0184
		Z	0.0031	-0.0179	0.0095	0.0184	0.0059	0.0046
AT.	32 O	X	0.0222	0.0044	0.0143	0.0285	-0.0237	-0.0283
		Y	0.0054	0.0123	-0.0003	0.0063	0.0013	0.0184
		Z	0.0031	0.0179	0.0095	-0.0184	0.0059	0.0046
AT.	33 O	X	-0.0108	0.0065	-0.0174	-0.0039	-0.0037	0.0035
		Y	-0.0044	-0.0049	-0.0010	0.0064	0.0220	0.0295
		Z	0.0149	-0.0259	0.0071	-0.0249	-0.0371	-0.0360
AT.	34 O	X	0.0108	0.0065	0.0174	-0.0039	0.0037	-0.0035
		Y	-0.0044	0.0049	-0.0010	-0.0064	0.0220	0.0295
		Z	0.0149	0.0259	0.0071	0.0249	-0.0371	-0.0360
AT.	35 O	X	0.0108	0.0065	-0.0174	0.0039	0.0037	0.0035
		Y	-0.0044	0.0049	0.0010	0.0064	0.0220	-0.0295
		Z	-0.0149	-0.0259	0.0071	0.0249	0.0371	-0.0360
AT.	36 O	X	-0.0108	0.0065	0.0174	0.0039	-0.0037	-0.0035
		Y	-0.0044	-0.0049	0.0010	-0.0064	0.0220	-0.0295
		Z	-0.0149	0.0259	0.0071	-0.0249	0.0371	-0.0360
AT.	37 O	X	0.0005	0.0050	-0.0038	0.0154	0.0102	-0.0145
		Y	0.0128	-0.0144	-0.0068	-0.0122	0.0198	-0.0105

		Z	0.0056	-0.0185	0.0116	-0.0160	-0.0089	0.0092
AT.	38 O	X	-0.0005	0.0050	0.0038	0.0154	-0.0102	0.0145
		Y	0.0128	0.0144	-0.0068	0.0122	0.0198	-0.0105
		Z	0.0056	0.0185	0.0116	0.0160	-0.0089	0.0092
AT.	39 O	X	-0.0005	0.0050	-0.0038	-0.0154	-0.0102	-0.0145
		Y	0.0128	0.0144	0.0068	-0.0122	0.0198	0.0105
		Z	-0.0056	-0.0185	0.0116	0.0160	0.0089	0.0092
AT.	40 O	X	0.0005	0.0050	0.0038	-0.0154	0.0102	0.0145
		Y	0.0128	-0.0144	0.0068	0.0122	0.0198	0.0105
		Z	-0.0056	0.0185	0.0116	-0.0160	0.0089	0.0092
AT.	41 O	X	0.0241	0.0054	-0.0120	-0.0156	-0.0093	0.0173
		Y	0.0072	0.0009	0.0002	-0.0070	0.0096	-0.0176
		Z	-0.0147	-0.0308	-0.0040	-0.0148	0.0026	0.0064
AT.	42 O	X	-0.0241	0.0054	0.0120	-0.0156	0.0093	-0.0173
		Y	0.0072	-0.0009	0.0002	0.0070	0.0096	-0.0176
		Z	-0.0147	0.0308	-0.0040	0.0148	0.0026	0.0064
AT.	43 O	X	-0.0241	0.0054	-0.0120	0.0156	0.0093	0.0173
		Y	0.0072	-0.0009	-0.0002	-0.0070	0.0096	0.0176
		Z	0.0147	-0.0308	-0.0040	0.0148	-0.0026	0.0064
AT.	44 O	X	0.0241	0.0054	0.0120	0.0156	-0.0093	-0.0173
		Y	0.0072	0.0009	-0.0002	0.0070	0.0096	0.0176
		Z	0.0147	0.0308	-0.0040	-0.0148	-0.0026	0.0064
AT.	45 O	X	-0.0063	0.0054	0.0021	0.0057	-0.0042	0.0052
		Y	0.0121	-0.0331	-0.0147	-0.0136	0.0156	0.0044
		Z	0.0116	0.0362	0.0318	0.0041	-0.0023	-0.0054
AT.	46 O	X	0.0063	0.0054	-0.0021	0.0057	0.0042	-0.0052
		Y	0.0121	0.0331	-0.0147	0.0136	0.0156	0.0044
		Z	0.0116	-0.0362	0.0318	-0.0041	-0.0023	-0.0054
AT.	47 O	X	0.0063	0.0054	0.0021	-0.0057	0.0042	0.0052
		Y	0.0121	0.0331	0.0147	-0.0136	0.0156	-0.0044
		Z	-0.0116	0.0362	0.0318	-0.0041	0.0023	-0.0054
AT.	48 O	X	-0.0063	0.0054	-0.0021	-0.0057	-0.0042	-0.0052
		Y	0.0121	-0.0331	0.0147	0.0136	0.0156	-0.0044
		Z	-0.0116	-0.0362	0.0318	0.0041	0.0023	-0.0054

FREQ(CM**-1)			179.96	181.93	182.21	185.06	191.99	194.22
AT.	1 CA	X	0.0000	0.0000	0.0091	-0.0050	0.0000	0.0000
		Y	0.0322	-0.0187	0.0000	0.0000	-0.0067	0.0212
		Z	-0.0225	-0.0223	0.0000	0.0000	0.0003	-0.0178
AT.	2 CA	X	0.0000	0.0000	-0.0091	-0.0050	0.0000	0.0000
		Y	0.0322	0.0187	0.0000	0.0000	-0.0067	-0.0212
		Z	0.0225	-0.0223	0.0000	0.0000	-0.0003	-0.0178
AT.	3 CA	X	-0.0034	0.0000	0.0000	-0.0034	0.0408	0.0000
		Y	-0.0019	0.0000	0.0000	-0.0300	0.0202	0.0000
		Z	0.0000	-0.0229	-0.0250	0.0000	0.0000	0.0072
AT.	4 CA	X	0.0034	0.0000	0.0000	-0.0034	-0.0408	0.0000
		Y	-0.0019	0.0000	0.0000	0.0300	0.0202	0.0000
		Z	0.0000	-0.0229	0.0250	0.0000	0.0000	0.0072
AT.	5 CA	X	-0.0191	-0.0198	-0.0013	-0.0184	0.0233	0.0106
		Y	-0.0110	0.0255	0.0204	-0.0016	-0.0168	-0.0070
		Z	0.0127	0.0089	-0.0078	-0.0009	0.0162	0.0092
AT.	6 CA	X	0.0191	0.0198	-0.0013	-0.0184	-0.0233	-0.0106
		Y	-0.0110	0.0255	-0.0204	0.0016	-0.0168	-0.0070
		Z	0.0127	0.0089	0.0078	0.0009	0.0162	0.0092
AT.	7 CA	X	0.0191	-0.0198	0.0013	-0.0184	-0.0233	0.0106
		Y	-0.0110	-0.0255	0.0204	0.0016	-0.0168	0.0070
		Z	-0.0127	0.0089	0.0078	-0.0009	-0.0162	0.0092
AT.	8 CA	X	-0.0191	0.0198	0.0013	-0.0184	0.0233	-0.0106
		Y	-0.0110	-0.0255	-0.0204	-0.0016	-0.0168	0.0070
		Z	-0.0127	0.0089	-0.0078	0.0009	-0.0162	0.0092

AT.	9	CA	X	-0.0267	-0.0024	0.0075	-0.0064	-0.0283	0.0051
			Y	0.0057	0.0244	0.0077	0.0177	0.0170	0.0091
			Z	-0.0214	-0.0044	0.0098	-0.0249	0.0012	-0.0388
AT.	10	CA	X	0.0267	0.0024	0.0075	-0.0064	0.0283	-0.0051
			Y	0.0057	0.0244	-0.0077	-0.0177	0.0170	0.0091
			Z	-0.0214	-0.0044	-0.0098	0.0249	0.0012	-0.0388
AT.	11	CA	X	0.0267	-0.0024	-0.0075	-0.0064	0.0283	0.0051
			Y	0.0057	-0.0244	0.0077	-0.0177	0.0170	-0.0091
			Z	0.0214	-0.0044	-0.0098	-0.0249	-0.0012	-0.0388
AT.	12	CA	X	-0.0267	0.0024	-0.0075	-0.0064	-0.0283	-0.0051
			Y	0.0057	-0.0244	-0.0077	0.0177	0.0170	-0.0091
			Z	0.0214	-0.0044	0.0098	0.0249	-0.0012	-0.0388
AT.	13	SI	X	-0.0173	0.0000	0.0000	0.0059	0.0043	0.0000
			Y	-0.0087	0.0000	0.0000	-0.0107	-0.0055	0.0000
			Z	0.0000	0.0137	0.0140	0.0000	0.0000	-0.0069
AT.	14	SI	X	0.0173	0.0000	0.0000	0.0059	-0.0043	0.0000
			Y	-0.0087	0.0000	0.0000	0.0107	-0.0055	0.0000
			Z	0.0000	0.0137	-0.0140	0.0000	0.0000	-0.0069
AT.	15	SI	X	0.0079	0.0180	0.0164	0.0155	-0.0006	0.0060
			Y	0.0056	-0.0046	0.0054	0.0056	-0.0039	0.0028
			Z	-0.0049	-0.0051	-0.0222	-0.0190	0.0063	0.0183
AT.	16	SI	X	-0.0079	-0.0180	0.0164	0.0155	0.0006	-0.0060
			Y	0.0056	-0.0046	-0.0054	-0.0056	-0.0039	0.0028
			Z	-0.0049	-0.0051	0.0222	0.0190	0.0063	0.0183
AT.	17	SI	X	-0.0079	0.0180	-0.0164	0.0155	0.0006	0.0060
			Y	0.0056	0.0046	0.0054	-0.0056	-0.0039	-0.0028
			Z	0.0049	-0.0051	0.0222	-0.0190	-0.0063	0.0183
AT.	18	SI	X	0.0079	-0.0180	-0.0164	0.0155	-0.0006	-0.0060
			Y	0.0056	0.0046	-0.0054	0.0056	-0.0039	-0.0028
			Z	0.0049	-0.0051	-0.0222	0.0190	-0.0063	0.0183
AT.	19	SI	X	0.0000	0.0000	0.0155	-0.0067	0.0000	0.0000
			Y	-0.0123	0.0086	0.0000	0.0000	0.0047	-0.0018
			Z	-0.0093	0.0111	0.0000	0.0000	0.0146	0.0071
AT.	20	SI	X	0.0000	0.0000	-0.0155	-0.0067	0.0000	0.0000
			Y	-0.0123	-0.0086	0.0000	0.0000	0.0047	0.0018
			Z	0.0093	0.0111	0.0000	0.0000	-0.0146	0.0071
AT.	21	O	X	-0.0173	-0.0040	0.0060	0.0027	0.0055	-0.0127
			Y	-0.0002	0.0167	0.0110	-0.0029	-0.0058	0.0206
			Z	-0.0043	0.0026	0.0099	-0.0073	0.0007	-0.0219
AT.	22	O	X	0.0173	0.0040	0.0060	0.0027	-0.0055	0.0127
			Y	-0.0002	0.0167	-0.0110	0.0029	-0.0058	0.0206
			Z	-0.0043	0.0026	-0.0099	0.0073	0.0007	-0.0219
AT.	23	O	X	0.0173	-0.0040	-0.0060	0.0027	-0.0055	-0.0127
			Y	-0.0002	-0.0167	0.0110	0.0029	-0.0058	-0.0206
			Z	0.0043	0.0026	-0.0099	-0.0073	-0.0007	-0.0219
AT.	24	O	X	-0.0173	0.0040	-0.0060	0.0027	0.0055	0.0127
			Y	-0.0002	-0.0167	-0.0110	-0.0029	-0.0058	-0.0206
			Z	0.0043	0.0026	0.0099	0.0073	-0.0007	-0.0219
AT.	25	O	X	-0.0146	0.0000	0.0000	0.0006	-0.0014	0.0000
			Y	-0.0158	0.0000	0.0000	-0.0052	0.0072	0.0000
			Z	0.0000	0.0172	0.0069	0.0000	0.0000	0.0141
AT.	26	O	X	0.0146	0.0000	0.0000	0.0006	0.0014	0.0000
			Y	-0.0158	0.0000	0.0000	0.0052	0.0072	0.0000
			Z	0.0000	0.0172	-0.0069	0.0000	0.0000	0.0141
AT.	27	O	X	-0.0260	0.0000	0.0000	0.0047	0.0192	0.0000
			Y	-0.0085	0.0000	0.0000	-0.0087	-0.0050	0.0000
			Z	0.0000	0.0225	0.0071	0.0000	0.0000	0.0293
AT.	28	O	X	0.0260	0.0000	0.0000	0.0047	-0.0192	0.0000
			Y	-0.0085	0.0000	0.0000	0.0087	-0.0050	0.0000
			Z	0.0000	0.0225	-0.0071	0.0000	0.0000	0.0293
AT.	29	O	X	-0.0037	0.0045	0.0013	0.0222	0.0050	0.0135

	Y	0.0037	-0.0041	0.0143	0.0133	-0.0066	0.0002
	Z	-0.0131	-0.0109	-0.0240	-0.0095	0.0085	0.0206
AT. 30 O	X	0.0037	-0.0045	0.0013	0.0222	-0.0050	-0.0135
	Y	0.0037	-0.0041	-0.0143	-0.0133	-0.0066	0.0002
	Z	-0.0131	-0.0109	0.0240	0.0095	0.0085	0.0206
AT. 31 O	X	0.0037	0.0045	-0.0013	0.0222	-0.0050	0.0135
	Y	0.0037	0.0041	0.0143	-0.0133	-0.0066	-0.0002
	Z	0.0131	-0.0109	0.0240	-0.0095	-0.0085	0.0206
AT. 32 O	X	-0.0037	-0.0045	-0.0013	0.0222	0.0050	-0.0135
	Y	0.0037	0.0041	-0.0143	0.0133	-0.0066	-0.0002
	Z	0.0131	-0.0109	-0.0240	0.0095	-0.0085	0.0206
AT. 33 O	X	-0.0127	0.0124	-0.0116	0.0055	-0.0042	0.0025
	Y	0.0075	0.0166	-0.0052	0.0143	0.0083	0.0002
	Z	-0.0084	0.0115	0.0035	-0.0270	-0.0030	0.0035
AT. 34 O	X	0.0127	-0.0124	-0.0116	0.0055	0.0042	-0.0025
	Y	0.0075	0.0166	0.0052	-0.0143	0.0083	0.0002
	Z	-0.0084	0.0115	-0.0035	0.0270	-0.0030	0.0035
AT. 35 O	X	0.0127	0.0124	0.0116	0.0055	0.0042	0.0025
	Y	0.0075	-0.0166	-0.0052	-0.0143	0.0083	-0.0002
	Z	0.0084	0.0115	-0.0035	-0.0270	0.0030	0.0035
AT. 36 O	X	-0.0127	-0.0124	0.0116	0.0055	-0.0042	-0.0025
	Y	0.0075	-0.0166	0.0052	0.0143	0.0083	-0.0002
	Z	0.0084	0.0115	0.0035	0.0270	0.0030	0.0035
AT. 37 O	X	0.0246	0.0268	0.0206	-0.0061	-0.0099	-0.0065
	Y	0.0025	0.0088	-0.0118	0.0049	-0.0058	0.0060
	Z	-0.0185	-0.0159	-0.0203	0.0011	0.0143	0.0210
AT. 38 O	X	-0.0246	-0.0268	0.0206	-0.0061	0.0099	0.0065
	Y	0.0025	0.0088	0.0118	-0.0049	-0.0058	0.0060
	Z	-0.0185	-0.0159	0.0203	-0.0011	0.0143	0.0210
AT. 39 O	X	-0.0246	0.0268	-0.0206	-0.0061	0.0099	-0.0065
	Y	0.0025	-0.0088	-0.0118	-0.0049	-0.0058	-0.0060
	Z	0.0185	-0.0159	0.0203	0.0011	-0.0143	0.0210
AT. 40 O	X	0.0246	-0.0268	-0.0206	-0.0061	-0.0099	0.0065
	Y	0.0025	-0.0088	0.0118	0.0049	-0.0058	-0.0060
	Z	0.0185	-0.0159	-0.0203	-0.0011	-0.0143	0.0210
AT. 41 O	X	0.0057	0.0114	0.0185	0.0208	-0.0192	0.0003
	Y	0.0060	-0.0056	0.0051	0.0052	-0.0048	0.0022
	Z	-0.0116	0.0002	-0.0213	-0.0314	0.0021	0.0166
AT. 42 O	X	-0.0057	-0.0114	0.0185	0.0208	0.0192	-0.0003
	Y	0.0060	-0.0056	-0.0051	-0.0052	-0.0048	0.0022
	Z	-0.0116	0.0002	0.0213	0.0314	0.0021	0.0166
AT. 43 O	X	-0.0057	0.0114	-0.0185	0.0208	0.0192	0.0003
	Y	0.0060	0.0056	0.0051	-0.0052	-0.0048	-0.0022
	Z	0.0116	0.0002	0.0213	-0.0314	-0.0021	0.0166
AT. 44 O	X	0.0057	-0.0114	-0.0185	0.0208	-0.0192	-0.0003
	Y	0.0060	0.0056	-0.0051	0.0052	-0.0048	-0.0022
	Z	0.0116	0.0002	-0.0213	0.0314	-0.0021	0.0166
AT. 45 O	X	0.0015	0.0032	0.0144	-0.0023	-0.0059	-0.0144
	Y	-0.0237	-0.0052	-0.0356	0.0239	0.0040	-0.0032
	Z	0.0039	0.0249	0.0378	-0.0223	0.0080	-0.0068
AT. 46 O	X	-0.0015	-0.0032	0.0144	-0.0023	0.0059	0.0144
	Y	-0.0237	-0.0052	0.0356	-0.0239	0.0040	-0.0032
	Z	0.0039	0.0249	-0.0378	0.0223	0.0080	-0.0068
AT. 47 O	X	-0.0015	0.0032	-0.0144	-0.0023	0.0059	-0.0144
	Y	-0.0237	0.0052	-0.0356	-0.0239	0.0040	0.0032
	Z	-0.0039	0.0249	-0.0378	-0.0223	-0.0080	-0.0068
AT. 48 O	X	0.0015	-0.0032	-0.0144	-0.0023	-0.0059	0.0144
	Y	-0.0237	0.0052	0.0356	0.0239	0.0040	0.0032
	Z	-0.0039	0.0249	0.0378	0.0223	-0.0080	-0.0068
FREQ(CM**-1)		199.83	200.42	203.16	207.64	207.88	208.58

AT.	1 CA	X	0.0085	0.0247	0.0000	0.0000	0.0104	0.0000
		Y	0.0000	0.0000	0.0052	0.0017	0.0000	-0.0082
		Z	0.0000	0.0000	-0.0048	-0.0093	0.0000	-0.0075
AT.	2 CA	X	-0.0085	0.0247	0.0000	0.0000	0.0104	0.0000
		Y	0.0000	0.0000	-0.0052	0.0017	0.0000	0.0082
		Z	0.0000	0.0000	-0.0048	0.0093	0.0000	-0.0075
AT.	3 CA	X	0.0000	0.0300	0.0000	-0.0095	-0.0037	0.0000
		Y	0.0000	0.0341	0.0000	0.0407	-0.0248	0.0000
		Z	0.0336	0.0000	-0.0179	0.0000	0.0000	0.0610
AT.	4 CA	X	0.0000	0.0300	0.0000	0.0095	-0.0037	0.0000
		Y	0.0000	-0.0341	0.0000	0.0407	0.0248	0.0000
		Z	-0.0336	0.0000	-0.0179	0.0000	0.0000	0.0610
AT.	5 CA	X	0.0086	-0.0204	-0.0294	0.0133	0.0012	-0.0162
		Y	-0.0200	-0.0065	-0.0130	-0.0213	0.0053	0.0080
		Z	0.0172	0.0065	-0.0005	-0.0109	-0.0052	-0.0101
AT.	6 CA	X	0.0086	-0.0204	0.0294	-0.0133	0.0012	0.0162
		Y	0.0200	0.0065	-0.0130	-0.0213	-0.0053	0.0080
		Z	-0.0172	-0.0065	-0.0005	-0.0109	0.0052	-0.0101
AT.	7 CA	X	-0.0086	-0.0204	-0.0294	-0.0133	0.0012	-0.0162
		Y	-0.0200	0.0065	0.0130	-0.0213	-0.0053	-0.0080
		Z	-0.0172	0.0065	-0.0005	0.0109	-0.0052	-0.0101
AT.	8 CA	X	-0.0086	-0.0204	0.0294	0.0133	0.0012	0.0162
		Y	0.0200	-0.0065	0.0130	-0.0213	0.0053	-0.0080
		Z	0.0172	-0.0065	-0.0005	0.0109	0.0052	-0.0101
AT.	9 CA	X	0.0030	-0.0226	0.0056	0.0107	-0.0149	0.0007
		Y	0.0126	0.0023	0.0000	0.0112	0.0277	-0.0010
		Z	-0.0029	-0.0050	0.0085	0.0113	0.0029	-0.0021
AT.	10 CA	X	0.0030	-0.0226	-0.0056	-0.0107	-0.0149	-0.0007
		Y	-0.0126	-0.0023	0.0000	0.0112	-0.0277	-0.0010
		Z	0.0029	0.0050	0.0085	0.0113	-0.0029	-0.0021
AT.	11 CA	X	-0.0030	-0.0226	0.0056	-0.0107	-0.0149	0.0007
		Y	0.0126	-0.0023	0.0000	0.0112	-0.0277	0.0010
		Z	0.0029	-0.0050	0.0085	-0.0113	0.0029	-0.0021
AT.	12 CA	X	-0.0030	-0.0226	-0.0056	0.0107	-0.0149	-0.0007
		Y	-0.0126	0.0023	0.0000	0.0112	0.0277	0.0010
		Z	-0.0029	0.0050	0.0085	-0.0113	-0.0029	-0.0021
AT.	13 SI	X	0.0000	0.0107	0.0000	-0.0170	0.0166	0.0000
		Y	0.0000	-0.0103	0.0000	-0.0119	-0.0031	0.0000
		Z	-0.0129	0.0000	-0.0277	0.0000	0.0000	0.0006
AT.	14 SI	X	0.0000	0.0107	0.0000	0.0170	0.0166	0.0000
		Y	0.0000	0.0103	0.0000	-0.0119	0.0031	0.0000
		Z	0.0129	0.0000	-0.0277	0.0000	0.0000	0.0006
AT.	15 SI	X	0.0232	-0.0032	0.0134	0.0052	-0.0116	0.0056
		Y	-0.0019	-0.0126	0.0033	-0.0069	0.0175	0.0034
		Z	-0.0076	-0.0098	0.0050	-0.0129	0.0023	-0.0069
AT.	16 SI	X	0.0232	-0.0032	-0.0134	-0.0052	-0.0116	-0.0056
		Y	0.0019	0.0126	0.0033	-0.0069	-0.0175	0.0034
		Z	0.0076	0.0098	0.0050	-0.0129	-0.0023	-0.0069
AT.	17 SI	X	-0.0232	-0.0032	0.0134	-0.0052	-0.0116	0.0056
		Y	-0.0019	0.0126	-0.0033	-0.0069	-0.0175	-0.0034
		Z	0.0076	-0.0098	0.0050	0.0129	0.0023	-0.0069
AT.	18 SI	X	-0.0232	-0.0032	-0.0134	0.0052	-0.0116	-0.0056
		Y	0.0019	-0.0126	-0.0033	-0.0069	0.0175	-0.0034
		Z	-0.0076	0.0098	0.0050	0.0129	-0.0023	-0.0069
AT.	19 SI	X	0.0133	0.0136	0.0000	0.0000	0.0149	0.0000
		Y	0.0000	0.0000	-0.0031	0.0156	0.0000	-0.0101
		Z	0.0000	0.0000	0.0254	-0.0065	0.0000	0.0026
AT.	20 SI	X	-0.0133	0.0136	0.0000	0.0000	0.0149	0.0000
		Y	0.0000	0.0000	0.0031	0.0156	0.0000	0.0101
		Z	0.0000	0.0000	0.0254	0.0065	0.0000	0.0026

AT.	21	O	X	0.0222	0.0066	-0.0072	-0.0012	0.0139	-0.0090
			Y	-0.0002	-0.0094	-0.0211	-0.0036	-0.0034	0.0033
			Z	0.0004	-0.0015	-0.0193	0.0022	-0.0007	-0.0032
AT.	22	O	X	0.0222	0.0066	0.0072	0.0012	0.0139	0.0090
			Y	0.0002	0.0094	-0.0211	-0.0036	0.0034	0.0033
			Z	-0.0004	0.0015	-0.0193	0.0022	0.0007	-0.0032
AT.	23	O	X	-0.0222	0.0066	-0.0072	0.0012	0.0139	-0.0090
			Y	-0.0002	0.0094	0.0211	-0.0036	0.0034	-0.0033
			Z	-0.0004	-0.0015	-0.0193	-0.0022	-0.0007	-0.0032
AT.	24	O	X	-0.0222	0.0066	0.0072	-0.0012	0.0139	0.0090
			Y	0.0002	-0.0094	0.0211	-0.0036	-0.0034	-0.0033
			Z	0.0004	0.0015	-0.0193	-0.0022	0.0007	-0.0032
AT.	25	O	X	0.0000	0.0109	0.0000	-0.0068	0.0112	0.0000
			Y	0.0000	-0.0183	0.0000	-0.0229	0.0063	0.0000
			Z	-0.0292	0.0000	-0.0071	0.0000	0.0000	0.0147
AT.	26	O	X	0.0000	0.0109	0.0000	0.0068	0.0112	0.0000
			Y	0.0000	0.0183	0.0000	-0.0229	-0.0063	0.0000
			Z	0.0292	0.0000	-0.0071	0.0000	0.0000	0.0147
AT.	27	O	X	0.0000	-0.0058	0.0000	-0.0163	0.0143	0.0000
			Y	0.0000	-0.0122	0.0000	-0.0125	-0.0017	0.0000
			Z	-0.0066	0.0000	-0.0444	0.0000	0.0000	0.0114
AT.	28	O	X	0.0000	-0.0058	0.0000	0.0163	0.0143	0.0000
			Y	0.0000	0.0122	0.0000	-0.0125	0.0017	0.0000
			Z	0.0066	0.0000	-0.0444	0.0000	0.0000	0.0114
AT.	29	O	X	0.0290	0.0022	0.0311	-0.0105	-0.0257	0.0127
			Y	0.0128	-0.0091	-0.0020	0.0100	0.0170	0.0243
			Z	0.0040	-0.0041	0.0136	-0.0108	-0.0079	0.0084
AT.	30	O	X	0.0290	0.0022	-0.0311	0.0105	-0.0257	-0.0127
			Y	-0.0128	0.0091	-0.0020	0.0100	-0.0170	0.0243
			Z	-0.0040	0.0041	0.0136	-0.0108	0.0079	0.0084
AT.	31	O	X	-0.0290	0.0022	0.0311	0.0105	-0.0257	0.0127
			Y	0.0128	0.0091	0.0020	0.0100	-0.0170	-0.0243
			Z	-0.0040	-0.0041	0.0136	0.0108	-0.0079	0.0084
AT.	32	O	X	-0.0290	0.0022	-0.0311	-0.0105	-0.0257	-0.0127
			Y	-0.0128	-0.0091	0.0020	0.0100	0.0170	-0.0243
			Z	0.0040	0.0041	0.0136	0.0108	0.0079	0.0084
AT.	33	O	X	-0.0148	-0.0044	0.0108	0.0028	-0.0076	0.0023
			Y	-0.0142	0.0151	-0.0074	-0.0253	-0.0205	0.0037
			Z	0.0167	-0.0174	-0.0105	0.0029	0.0241	-0.0122
AT.	34	O	X	-0.0148	-0.0044	-0.0108	-0.0028	-0.0076	-0.0023
			Y	0.0142	-0.0151	-0.0074	-0.0253	0.0205	0.0037
			Z	-0.0167	0.0174	-0.0105	0.0029	-0.0241	-0.0122
AT.	35	O	X	0.0148	-0.0044	0.0108	-0.0028	-0.0076	0.0023
			Y	-0.0142	-0.0151	0.0074	-0.0253	0.0205	-0.0037
			Z	-0.0167	-0.0174	-0.0105	-0.0029	0.0241	-0.0122
AT.	36	O	X	0.0148	-0.0044	-0.0108	0.0028	-0.0076	-0.0023
			Y	0.0142	0.0151	0.0074	-0.0253	-0.0205	-0.0037
			Z	0.0167	0.0174	-0.0105	-0.0029	-0.0241	-0.0122
AT.	37	O	X	0.0070	0.0040	-0.0044	0.0069	0.0163	-0.0016
			Y	-0.0018	-0.0164	-0.0061	0.0079	-0.0018	-0.0122
			Z	0.0028	-0.0111	0.0235	-0.0187	-0.0078	0.0017
AT.	38	O	X	0.0070	0.0040	0.0044	-0.0069	0.0163	0.0016
			Y	0.0018	0.0164	-0.0061	0.0079	0.0018	-0.0122
			Z	-0.0028	0.0111	0.0235	-0.0187	0.0078	0.0017
AT.	39	O	X	-0.0070	0.0040	-0.0044	-0.0069	0.0163	-0.0016
			Y	-0.0018	0.0164	0.0061	0.0079	0.0018	0.0122
			Z	-0.0028	-0.0111	0.0235	0.0187	-0.0078	0.0017
AT.	40	O	X	-0.0070	0.0040	0.0044	0.0069	0.0163	0.0016
			Y	0.0018	-0.0164	0.0061	0.0079	-0.0018	0.0122
			Z	0.0028	0.0111	0.0235	0.0187	0.0078	0.0017
AT.	41	O	X	0.0217	0.0002	-0.0073	0.0206	-0.0046	0.0102

	Y	-0.0024	-0.0135	0.0011	-0.0055	0.0172	0.0034
	Z	-0.0283	0.0004	0.0031	-0.0142	-0.0118	-0.0358
AT. 42 O	X	0.0217	0.0002	0.0073	-0.0206	-0.0046	-0.0102
	Y	0.0024	0.0135	0.0011	-0.0055	-0.0172	0.0034
	Z	0.0283	-0.0004	0.0031	-0.0142	0.0118	-0.0358
AT. 43 O	X	-0.0217	0.0002	-0.0073	-0.0206	-0.0046	0.0102
	Y	-0.0024	0.0135	-0.0011	-0.0055	-0.0172	-0.0034
	Z	0.0283	0.0004	0.0031	0.0142	-0.0118	-0.0358
AT. 44 O	X	-0.0217	0.0002	0.0073	0.0206	-0.0046	-0.0102
	Y	0.0024	-0.0135	-0.0011	-0.0055	0.0172	-0.0034
	Z	-0.0283	-0.0004	0.0031	0.0142	0.0118	-0.0358
AT. 45 O	X	0.0102	0.0123	-0.0063	0.0095	0.0139	0.0013
	Y	0.0070	-0.0203	-0.0028	0.0149	-0.0198	-0.0081
	Z	-0.0080	0.0188	0.0171	0.0037	0.0212	0.0010
AT. 46 O	X	0.0102	0.0123	0.0063	-0.0095	0.0139	-0.0013
	Y	-0.0070	0.0203	-0.0028	0.0149	0.0198	-0.0081
	Z	0.0080	-0.0188	0.0171	0.0037	-0.0212	0.0010
AT. 47 O	X	-0.0102	0.0123	-0.0063	-0.0095	0.0139	0.0013
	Y	0.0070	0.0203	0.0028	0.0149	0.0198	0.0081
	Z	0.0080	0.0188	0.0171	-0.0037	0.0212	0.0010
AT. 48 O	X	-0.0102	0.0123	0.0063	0.0095	0.0139	-0.0013
	Y	-0.0070	-0.0203	0.0028	0.0149	-0.0198	0.0081
	Z	-0.0080	-0.0188	0.0171	-0.0037	-0.0212	0.0010

FREQ(CM**-1)	220.85	221.77	224.14	231.92	234.34	241.60
AT. 1 CA X	-0.0101	0.0176	0.0000	-0.0143	0.0000	0.0158
Y	0.0000	0.0000	-0.0001	0.0000	-0.0037	0.0000
Z	0.0000	0.0000	-0.0125	0.0000	-0.0163	0.0000
AT. 2 CA X	0.0101	0.0176	0.0000	-0.0143	0.0000	-0.0158
Y	0.0000	0.0000	-0.0001	0.0000	0.0037	0.0000
Z	0.0000	0.0000	0.0125	0.0000	-0.0163	0.0000
AT. 3 CA X	0.0000	0.0146	0.0080	-0.0034	0.0000	0.0000
Y	0.0000	-0.0087	0.0032	0.0109	0.0000	0.0000
Z	0.0250	0.0000	0.0000	0.0000	-0.0106	-0.0299
AT. 4 CA X	0.0000	0.0146	-0.0080	-0.0034	0.0000	0.0000
Y	0.0000	0.0087	0.0032	-0.0109	0.0000	0.0000
Z	-0.0250	0.0000	0.0000	0.0000	-0.0106	0.0299
AT. 5 CA X	-0.0166	0.0216	-0.0019	-0.0182	0.0166	0.0096
Y	-0.0006	0.0067	0.0048	0.0081	-0.0223	0.0021
Z	0.0035	-0.0173	0.0010	-0.0024	0.0018	-0.0029
AT. 6 CA X	-0.0166	0.0216	0.0019	-0.0182	-0.0166	0.0096
Y	0.0006	-0.0067	0.0048	-0.0081	-0.0223	-0.0021
Z	-0.0035	0.0173	0.0010	0.0024	0.0018	0.0029
AT. 7 CA X	0.0166	0.0216	0.0019	-0.0182	0.0166	-0.0096
Y	-0.0006	-0.0067	0.0048	-0.0081	0.0223	0.0021
Z	-0.0035	-0.0173	-0.0010	-0.0024	0.0018	0.0029
AT. 8 CA X	0.0166	0.0216	-0.0019	-0.0182	-0.0166	-0.0096
Y	0.0006	0.0067	0.0048	0.0081	0.0223	-0.0021
Z	0.0035	0.0173	-0.0010	0.0024	0.0018	-0.0029
AT. 9 CA X	0.0331	-0.0143	-0.0066	0.0055	-0.0306	0.0144
Y	-0.0152	0.0215	-0.0138	0.0171	0.0088	-0.0205
Z	-0.0180	0.0114	0.0348	0.0384	0.0066	-0.0076
AT. 10 CA X	0.0331	-0.0143	0.0066	0.0055	0.0306	0.0144
Y	0.0152	-0.0215	-0.0138	-0.0171	0.0088	0.0205
Z	0.0180	-0.0114	0.0348	-0.0384	0.0066	0.0076
AT. 11 CA X	-0.0331	-0.0143	0.0066	0.0055	-0.0306	-0.0144
Y	-0.0152	-0.0215	-0.0138	-0.0171	-0.0088	-0.0205
Z	0.0180	0.0114	-0.0348	0.0384	0.0066	0.0076
AT. 12 CA X	-0.0331	-0.0143	-0.0066	0.0055	0.0306	-0.0144
Y	0.0152	0.0215	-0.0138	0.0171	-0.0088	0.0205

		Z	-0.0180	-0.0114	-0.0348	-0.0384	0.0066	-0.0076
AT.	13	SI X	0.0000	-0.0244	0.0018	0.0037	0.0000	0.0000
		Y	0.0000	-0.0119	0.0009	0.0019	0.0000	0.0000
		Z	-0.0014	0.0000	0.0000	0.0000	0.0183	0.0134
AT.	14	SI X	0.0000	-0.0244	-0.0018	0.0037	0.0000	0.0000
		Y	0.0000	0.0119	0.0009	-0.0019	0.0000	0.0000
		Z	0.0014	0.0000	0.0000	0.0000	0.0183	-0.0134
AT.	15	SI X	-0.0051	-0.0021	-0.0104	0.0094	0.0027	0.0068
		Y	0.0024	-0.0062	0.0083	0.0028	0.0024	-0.0003
		Z	0.0039	0.0073	-0.0030	-0.0058	-0.0107	-0.0038
AT.	16	SI X	-0.0051	-0.0021	0.0104	0.0094	-0.0027	0.0068
		Y	-0.0024	0.0062	0.0083	-0.0028	0.0024	0.0003
		Z	-0.0039	-0.0073	-0.0030	0.0058	-0.0107	0.0038
AT.	17	SI X	0.0051	-0.0021	0.0104	0.0094	0.0027	-0.0068
		Y	0.0024	0.0062	0.0083	-0.0028	-0.0024	-0.0003
		Z	-0.0039	0.0073	0.0030	-0.0058	-0.0107	0.0038
AT.	18	SI X	0.0051	-0.0021	-0.0104	0.0094	-0.0027	-0.0068
		Y	-0.0024	-0.0062	0.0083	0.0028	-0.0024	0.0003
		Z	0.0039	-0.0073	0.0030	0.0058	-0.0107	-0.0038
AT.	19	SI X	0.0030	0.0042	0.0000	-0.0137	0.0000	0.0148
		Y	0.0000	0.0000	-0.0114	0.0000	-0.0097	0.0000
		Z	0.0000	0.0000	0.0014	0.0000	0.0083	0.0000
AT.	20	SI X	-0.0030	0.0042	0.0000	-0.0137	0.0000	-0.0148
		Y	0.0000	0.0000	-0.0114	0.0000	0.0097	0.0000
		Z	0.0000	0.0000	-0.0014	0.0000	0.0083	0.0000
AT.	21	O X	-0.0166	-0.0177	-0.0020	0.0009	-0.0107	0.0212
		Y	0.0144	-0.0041	-0.0134	-0.0076	0.0019	0.0080
		Z	-0.0145	-0.0013	0.0062	0.0041	0.0091	0.0178
AT.	22	O X	-0.0166	-0.0177	0.0020	0.0009	0.0107	0.0212
		Y	-0.0144	0.0041	-0.0134	0.0076	0.0019	-0.0080
		Z	0.0145	0.0013	0.0062	-0.0041	0.0091	-0.0178
AT.	23	O X	0.0166	-0.0177	0.0020	0.0009	-0.0107	-0.0212
		Y	0.0144	0.0041	-0.0134	0.0076	-0.0019	0.0080
		Z	0.0145	-0.0013	-0.0062	0.0041	0.0091	-0.0178
AT.	24	O X	0.0166	-0.0177	-0.0020	0.0009	0.0107	-0.0212
		Y	-0.0144	-0.0041	-0.0134	-0.0076	-0.0019	-0.0080
		Z	-0.0145	0.0013	-0.0062	-0.0041	0.0091	0.0178
AT.	25	O X	0.0000	-0.0169	-0.0023	0.0016	0.0000	0.0000
		Y	0.0000	-0.0237	0.0156	0.0080	0.0000	0.0000
		Z	0.0170	0.0000	0.0000	0.0000	0.0226	-0.0089
AT.	26	O X	0.0000	-0.0169	0.0023	0.0016	0.0000	0.0000
		Y	0.0000	0.0237	0.0156	-0.0080	0.0000	0.0000
		Z	-0.0170	0.0000	0.0000	0.0000	0.0226	0.0089
AT.	27	O X	0.0000	-0.0255	0.0305	0.0258	0.0000	0.0000
		Y	0.0000	-0.0132	-0.0008	0.0009	0.0000	0.0000
		Z	0.0345	0.0000	0.0000	0.0000	0.0038	0.0190
AT.	28	O X	0.0000	-0.0255	-0.0305	0.0258	0.0000	0.0000
		Y	0.0000	0.0132	-0.0008	-0.0009	0.0000	0.0000
		Z	-0.0345	0.0000	0.0000	0.0000	0.0038	-0.0190
AT.	29	O X	-0.0140	0.0032	-0.0297	0.0266	0.0147	0.0019
		Y	0.0130	-0.0101	0.0118	0.0051	0.0075	-0.0030
		Z	0.0011	0.0075	-0.0128	0.0085	-0.0002	-0.0090
AT.	30	O X	-0.0140	0.0032	0.0297	0.0266	-0.0147	0.0019
		Y	-0.0130	0.0101	0.0118	-0.0051	0.0075	0.0030
		Z	-0.0011	-0.0075	-0.0128	-0.0085	-0.0002	0.0090
AT.	31	O X	0.0140	0.0032	0.0297	0.0266	0.0147	-0.0019
		Y	0.0130	0.0101	0.0118	-0.0051	-0.0075	-0.0030
		Z	-0.0011	0.0075	0.0128	0.0085	-0.0002	0.0090
AT.	32	O X	0.0140	0.0032	-0.0297	0.0266	-0.0147	-0.0019
		Y	-0.0130	-0.0101	0.0118	0.0051	-0.0075	0.0030
		Z	0.0011	-0.0075	0.0128	-0.0085	-0.0002	-0.0090

AT. 33 O	X	0.0059	-0.0059	0.0045	0.0056	-0.0024	-0.0013
	Y	-0.0033	0.0140	0.0135	0.0034	0.0070	-0.0022
	Z	-0.0142	-0.0115	-0.0214	-0.0097	-0.0274	0.0092
AT. 34 O	X	0.0059	-0.0059	-0.0045	0.0056	0.0024	-0.0013
	Y	0.0033	-0.0140	0.0135	-0.0034	0.0070	0.0022
	Z	0.0142	0.0115	-0.0214	0.0097	-0.0274	-0.0092
AT. 35 O	X	-0.0059	-0.0059	-0.0045	0.0056	-0.0024	0.0013
	Y	-0.0033	-0.0140	0.0135	-0.0034	-0.0070	-0.0022
	Z	0.0142	-0.0115	0.0214	-0.0097	-0.0274	-0.0092
AT. 36 O	X	-0.0059	-0.0059	0.0045	0.0056	0.0024	0.0013
	Y	0.0033	0.0140	0.0135	0.0034	-0.0070	0.0022
	Z	-0.0142	0.0115	0.0214	0.0097	-0.0274	0.0092
AT. 37 O	X	0.0084	-0.0060	0.0211	-0.0064	-0.0060	0.0108
	Y	0.0002	0.0031	-0.0032	0.0052	-0.0141	0.0020
	Z	-0.0040	0.0103	-0.0174	0.0058	0.0045	-0.0003
AT. 38 O	X	0.0084	-0.0060	-0.0211	-0.0064	0.0060	0.0108
	Y	-0.0002	-0.0031	-0.0032	-0.0052	-0.0141	-0.0020
	Z	0.0040	-0.0103	-0.0174	-0.0058	0.0045	0.0003
AT. 39 O	X	-0.0084	-0.0060	-0.0211	-0.0064	-0.0060	-0.0108
	Y	0.0002	-0.0031	-0.0032	-0.0052	0.0141	0.0020
	Z	0.0040	0.0103	0.0174	0.0058	0.0045	0.0003
AT. 40 O	X	-0.0084	-0.0060	0.0211	-0.0064	0.0060	-0.0108
	Y	-0.0002	0.0031	-0.0032	0.0052	0.0141	-0.0020
	Z	-0.0040	-0.0103	0.0174	-0.0058	0.0045	-0.0003
AT. 41 O	X	0.0175	0.0024	-0.0095	0.0046	0.0100	-0.0081
	Y	0.0027	-0.0074	0.0092	0.0031	0.0018	-0.0014
	Z	-0.0141	0.0162	-0.0040	0.0034	-0.0056	0.0010
AT. 42 O	X	0.0175	0.0024	0.0095	0.0046	-0.0100	-0.0081
	Y	-0.0027	0.0074	0.0092	-0.0031	0.0018	0.0014
	Z	0.0141	-0.0162	-0.0040	-0.0034	-0.0056	-0.0010
AT. 43 O	X	-0.0175	0.0024	0.0095	0.0046	0.0100	0.0081
	Y	0.0027	0.0074	0.0092	-0.0031	-0.0018	-0.0014
	Z	0.0141	0.0162	0.0040	0.0034	-0.0056	-0.0010
AT. 44 O	X	-0.0175	0.0024	-0.0095	0.0046	-0.0100	0.0081
	Y	-0.0027	-0.0074	0.0092	0.0031	-0.0018	0.0014
	Z	-0.0141	-0.0162	0.0040	-0.0034	-0.0056	0.0010
AT. 45 O	X	0.0029	0.0080	0.0103	0.0007	0.0043	0.0128
	Y	-0.0048	0.0207	-0.0118	-0.0003	-0.0117	0.0313
	Z	0.0017	-0.0149	0.0114	0.0162	0.0144	-0.0370
AT. 46 O	X	0.0029	0.0080	-0.0103	0.0007	-0.0043	0.0128
	Y	0.0048	-0.0207	-0.0118	0.0003	-0.0117	-0.0313
	Z	-0.0017	0.0149	0.0114	-0.0162	0.0144	0.0370
AT. 47 O	X	-0.0029	0.0080	-0.0103	0.0007	0.0043	-0.0128
	Y	-0.0048	-0.0207	-0.0118	0.0003	0.0117	0.0313
	Z	-0.0017	-0.0149	-0.0114	0.0162	0.0144	0.0370
AT. 48 O	X	-0.0029	0.0080	0.0103	0.0007	-0.0043	-0.0128
	Y	0.0048	0.0207	-0.0118	-0.0003	0.0117	-0.0313
	Z	0.0017	0.0149	-0.0114	-0.0162	0.0144	-0.0370

FREQ(CM**-1)	244.17	246.05	246.17	247.54	252.51	253.67

AT. 1 CA	X	0.0000	0.0157	0.0000	0.0266	-0.0421	-0.0137
	Y	-0.0006	0.0000	0.0034	0.0000	0.0000	0.0000
	Z	-0.0077	0.0000	-0.0027	0.0000	0.0000	0.0000
AT. 2 CA	X	0.0000	0.0157	0.0000	-0.0266	-0.0421	0.0137
	Y	-0.0006	0.0000	0.0034	0.0000	0.0000	0.0000
	Z	0.0077	0.0000	0.0027	0.0000	0.0000	0.0000
AT. 3 CA	X	0.0129	-0.0355	-0.0381	0.0000	0.0083	0.0000
	Y	0.0242	0.0004	0.0016	0.0000	-0.0114	0.0000
	Z	0.0000	0.0000	0.0000	-0.0149	0.0000	-0.0188
AT. 4 CA	X	-0.0129	-0.0355	0.0381	0.0000	0.0083	0.0000

	Y	0.0242	-0.0004	0.0016	0.0000	0.0114	0.0000
	Z	0.0000	0.0000	0.0000	0.0149	0.0000	0.0188
AT. 5 CA	X	-0.0130	0.0119	-0.0074	-0.0074	0.0117	-0.0026
	Y	-0.0127	-0.0194	-0.0131	-0.0141	-0.0102	-0.0162
	Z	0.0070	0.0057	0.0177	-0.0016	0.0206	0.0081
AT. 6 CA	X	0.0130	0.0119	0.0074	-0.0074	0.0117	-0.0026
	Y	-0.0127	0.0194	-0.0131	0.0141	0.0102	0.0162
	Z	0.0070	-0.0057	0.0177	0.0016	-0.0206	-0.0081
AT. 7 CA	X	0.0130	0.0119	0.0074	0.0074	0.0117	0.0026
	Y	-0.0127	0.0194	-0.0131	-0.0141	0.0102	-0.0162
	Z	-0.0070	0.0057	-0.0177	0.0016	0.0206	-0.0081
AT. 8 CA	X	-0.0130	0.0119	-0.0074	0.0074	0.0117	0.0026
	Y	-0.0127	-0.0194	-0.0131	0.0141	-0.0102	0.0162
	Z	-0.0070	-0.0057	-0.0177	-0.0016	-0.0206	0.0081
AT. 9 CA	X	0.0196	-0.0039	0.0040	0.0036	-0.0143	0.0233
	Y	-0.0102	0.0101	0.0119	-0.0064	0.0059	0.0300
	Z	-0.0149	-0.0104	0.0029	0.0075	0.0006	0.0072
AT. 10 CA	X	-0.0196	-0.0039	-0.0040	0.0036	-0.0143	0.0233
	Y	-0.0102	-0.0101	0.0119	0.0064	-0.0059	-0.0300
	Z	-0.0149	0.0104	0.0029	-0.0075	-0.0006	-0.0072
AT. 11 CA	X	-0.0196	-0.0039	-0.0040	-0.0036	-0.0143	-0.0233
	Y	-0.0102	-0.0101	0.0119	-0.0064	-0.0059	0.0300
	Z	0.0149	-0.0104	-0.0029	-0.0075	0.0006	-0.0072
AT. 12 CA	X	0.0196	-0.0039	0.0040	-0.0036	-0.0143	-0.0233
	Y	-0.0102	0.0101	0.0119	0.0064	0.0059	-0.0300
	Z	0.0149	0.0104	-0.0029	0.0075	-0.0006	0.0072
AT. 13 SI	X	0.0265	0.0022	0.0175	0.0000	-0.0125	0.0000
	Y	-0.0099	0.0015	0.0042	0.0000	0.0039	0.0000
	Z	0.0000	0.0000	0.0000	-0.0231	0.0000	0.0021
AT. 14 SI	X	-0.0265	0.0022	-0.0175	0.0000	-0.0125	0.0000
	Y	-0.0099	-0.0015	0.0042	0.0000	-0.0039	0.0000
	Z	0.0000	0.0000	0.0000	0.0231	0.0000	-0.0021
AT. 15 SI	X	0.0043	-0.0031	-0.0121	-0.0145	0.0124	-0.0093
	Y	0.0069	0.0005	0.0003	0.0097	-0.0039	-0.0011
	Z	0.0159	0.0047	0.0043	-0.0087	0.0021	0.0036
AT. 16 SI	X	-0.0043	-0.0031	0.0121	-0.0145	0.0124	-0.0093
	Y	0.0069	-0.0005	0.0003	-0.0097	0.0039	0.0011
	Z	0.0159	-0.0047	0.0043	0.0087	-0.0021	-0.0036
AT. 17 SI	X	-0.0043	-0.0031	0.0121	0.0145	0.0124	0.0093
	Y	0.0069	-0.0005	0.0003	0.0097	0.0039	-0.0011
	Z	-0.0159	0.0047	-0.0043	0.0087	0.0021	-0.0036
AT. 18 SI	X	0.0043	-0.0031	-0.0121	0.0145	0.0124	0.0093
	Y	0.0069	0.0005	0.0003	-0.0097	-0.0039	0.0011
	Z	-0.0159	-0.0047	-0.0043	-0.0087	-0.0021	0.0036
AT. 19 SI	X	0.0000	-0.0018	0.0000	-0.0111	0.0036	-0.0098
	Y	0.0036	0.0000	-0.0096	0.0000	0.0000	0.0000
	Z	0.0004	0.0000	0.0174	0.0000	0.0000	0.0000
AT. 20 SI	X	0.0000	-0.0018	0.0000	0.0111	0.0036	0.0098
	Y	0.0036	0.0000	-0.0096	0.0000	0.0000	0.0000
	Z	-0.0004	0.0000	-0.0174	0.0000	0.0000	0.0000
AT. 21 O	X	0.0158	-0.0065	0.0103	0.0107	-0.0087	0.0204
	Y	-0.0141	0.0006	0.0064	-0.0164	0.0093	0.0107
	Z	-0.0055	-0.0050	-0.0003	-0.0074	0.0023	0.0098
AT. 22 O	X	-0.0158	-0.0065	-0.0103	0.0107	-0.0087	0.0204
	Y	-0.0141	-0.0006	0.0064	0.0164	-0.0093	-0.0107
	Z	-0.0055	0.0050	-0.0003	0.0074	-0.0023	-0.0098
AT. 23 O	X	-0.0158	-0.0065	-0.0103	-0.0107	-0.0087	-0.0204
	Y	-0.0141	-0.0006	0.0064	-0.0164	-0.0093	0.0107
	Z	0.0055	-0.0050	0.0003	0.0074	0.0023	-0.0098
AT. 24 O	X	0.0158	-0.0065	0.0103	-0.0107	-0.0087	-0.0204
	Y	-0.0141	0.0006	0.0064	0.0164	0.0093	-0.0107

		Z	0.0055	0.0050	0.0003	-0.0074	-0.0023	0.0098
AT.	25 O	X	0.0129	-0.0017	0.0167	0.0000	-0.0108	0.0000
		Y	0.0097	0.0192	0.0050	0.0000	0.0033	0.0000
		Z	0.0000	0.0000	0.0000	-0.0161	0.0000	-0.0180
AT.	26 O	X	-0.0129	-0.0017	-0.0167	0.0000	-0.0108	0.0000
		Y	0.0097	-0.0192	0.0050	0.0000	-0.0033	0.0000
		Z	0.0000	0.0000	0.0000	0.0161	0.0000	0.0180
AT.	27 O	X	0.0300	0.0460	0.0022	0.0000	-0.0173	0.0000
		Y	-0.0097	0.0041	0.0046	0.0000	0.0044	0.0000
		Z	0.0000	0.0000	0.0000	-0.0377	0.0000	0.0159
AT.	28 O	X	-0.0300	0.0460	-0.0022	0.0000	-0.0173	0.0000
		Y	-0.0097	-0.0041	0.0046	0.0000	-0.0044	0.0000
		Z	0.0000	0.0000	0.0000	0.0377	0.0000	-0.0159
AT.	29 O	X	0.0010	0.0175	-0.0124	-0.0241	0.0038	-0.0132
		Y	0.0048	-0.0120	0.0148	0.0252	-0.0022	-0.0055
		Z	0.0073	0.0091	0.0087	-0.0075	-0.0002	-0.0015
AT.	30 O	X	-0.0010	0.0175	0.0124	-0.0241	0.0038	-0.0132
		Y	0.0048	0.0120	0.0148	-0.0252	0.0022	0.0055
		Z	0.0073	-0.0091	0.0087	0.0075	0.0002	0.0015
AT.	31 O	X	-0.0010	0.0175	0.0124	0.0241	0.0038	0.0132
		Y	0.0048	0.0120	0.0148	0.0252	0.0022	-0.0055
		Z	-0.0073	0.0091	-0.0087	0.0075	-0.0002	0.0015
AT.	32 O	X	0.0010	0.0175	-0.0124	0.0241	0.0038	0.0132
		Y	0.0048	-0.0120	0.0148	-0.0252	-0.0022	0.0055
		Z	-0.0073	-0.0091	-0.0087	-0.0075	0.0002	-0.0015
AT.	33 O	X	-0.0039	-0.0056	0.0103	0.0158	0.0077	0.0092
		Y	0.0047	0.0003	0.0034	0.0029	0.0149	-0.0001
		Z	-0.0242	-0.0278	-0.0008	-0.0117	0.0069	-0.0040
AT.	34 O	X	0.0039	-0.0056	-0.0103	0.0158	0.0077	0.0092
		Y	0.0047	-0.0003	0.0034	-0.0029	-0.0149	0.0001
		Z	-0.0242	0.0278	-0.0008	0.0117	-0.0069	0.0040
AT.	35 O	X	0.0039	-0.0056	-0.0103	-0.0158	0.0077	-0.0092
		Y	0.0047	-0.0003	0.0034	0.0029	-0.0149	-0.0001
		Z	0.0242	-0.0278	0.0008	0.0117	0.0069	0.0040
AT.	36 O	X	-0.0039	-0.0056	0.0103	-0.0158	0.0077	-0.0092
		Y	0.0047	0.0003	0.0034	-0.0029	0.0149	0.0001
		Z	0.0242	0.0278	0.0008	-0.0117	-0.0069	-0.0040
AT.	37 O	X	0.0125	-0.0112	-0.0165	-0.0114	0.0148	0.0007
		Y	0.0190	-0.0001	-0.0250	0.0002	-0.0025	0.0047
		Z	0.0046	0.0060	0.0170	-0.0031	-0.0062	-0.0020
AT.	38 O	X	-0.0125	-0.0112	0.0165	-0.0114	0.0148	0.0007
		Y	0.0190	0.0001	-0.0250	-0.0002	0.0025	-0.0047
		Z	0.0046	-0.0060	0.0170	0.0031	0.0062	0.0020
AT.	39 O	X	-0.0125	-0.0112	0.0165	0.0114	0.0148	-0.0007
		Y	0.0190	0.0001	-0.0250	0.0002	0.0025	0.0047
		Z	-0.0046	0.0060	-0.0170	0.0031	-0.0062	0.0020
AT.	40 O	X	0.0125	-0.0112	-0.0165	0.0114	0.0148	-0.0007
		Y	0.0190	-0.0001	-0.0250	-0.0002	-0.0025	-0.0047
		Z	-0.0046	-0.0060	-0.0170	-0.0031	0.0062	-0.0020
AT.	41 O	X	0.0129	-0.0062	-0.0040	0.0007	0.0237	-0.0024
		Y	0.0077	0.0000	-0.0008	0.0117	-0.0041	-0.0012
		Z	0.0057	0.0218	-0.0294	-0.0315	0.0073	0.0226
AT.	42 O	X	-0.0129	-0.0062	0.0040	0.0007	0.0237	-0.0024
		Y	0.0077	0.0000	-0.0008	-0.0117	0.0041	0.0012
		Z	0.0057	-0.0218	-0.0294	0.0315	-0.0073	-0.0226
AT.	43 O	X	-0.0129	-0.0062	0.0040	-0.0007	0.0237	0.0024
		Y	0.0077	0.0000	-0.0008	0.0117	0.0041	-0.0012
		Z	-0.0057	0.0218	0.0294	0.0315	0.0073	-0.0226
AT.	44 O	X	0.0129	-0.0062	-0.0040	-0.0007	0.0237	0.0024
		Y	0.0077	0.0000	-0.0008	-0.0117	-0.0041	0.0012
		Z	-0.0057	-0.0218	0.0294	-0.0315	-0.0073	0.0226

AT. 45 O	X	-0.0093	0.0000	0.0040	-0.0072	0.0071	0.0059
	Y	-0.0011	-0.0134	-0.0024	0.0036	-0.0160	0.0049
	Z	-0.0047	0.0157	0.0128	-0.0011	0.0179	0.0090
AT. 46 O	X	0.0093	0.0000	-0.0040	-0.0072	0.0071	0.0059
	Y	-0.0011	0.0134	-0.0024	-0.0036	0.0160	-0.0049
	Z	-0.0047	-0.0157	0.0128	0.0011	-0.0179	-0.0090
AT. 47 O	X	0.0093	0.0000	-0.0040	0.0072	0.0071	-0.0059
	Y	-0.0011	0.0134	-0.0024	0.0036	0.0160	0.0049
	Z	0.0047	0.0157	-0.0128	0.0011	0.0179	-0.0090
AT. 48 O	X	-0.0093	0.0000	0.0040	0.0072	0.0071	-0.0059
	Y	-0.0011	-0.0134	-0.0024	-0.0036	-0.0160	-0.0049
	Z	0.0047	-0.0157	-0.0128	-0.0011	-0.0179	0.0090

FREQ(CM**-1)	253.74	254.91	257.72	258.77	263.63	270.40
AT. 1 CA X	0.0000	0.0000	0.0140	0.0250	0.0368	0.0000
Y	0.0003	-0.0037	0.0000	0.0000	0.0000	0.0104
Z	0.0091	-0.0034	0.0000	0.0000	0.0000	0.0168
AT. 2 CA X	0.0000	0.0000	0.0140	-0.0250	-0.0368	0.0000
Y	0.0003	0.0037	0.0000	0.0000	0.0000	-0.0104
Z	-0.0091	-0.0034	0.0000	0.0000	0.0000	0.0168
AT. 3 CA X	0.0074	0.0000	0.0276	0.0000	0.0000	0.0000
Y	-0.0003	0.0000	-0.0242	0.0000	0.0000	0.0000
Z	0.0000	-0.0098	0.0000	0.0022	0.0083	-0.0246
AT. 4 CA X	-0.0074	0.0000	0.0276	0.0000	0.0000	0.0000
Y	-0.0003	0.0000	0.0242	0.0000	0.0000	0.0000
Z	0.0000	-0.0098	0.0000	-0.0022	-0.0083	-0.0246
AT. 5 CA X	0.0112	-0.0062	-0.0098	0.0115	-0.0106	-0.0042
Y	0.0006	0.0028	-0.0023	-0.0049	0.0159	0.0165
Z	-0.0036	0.0101	0.0136	-0.0145	0.0028	-0.0124
AT. 6 CA X	-0.0112	0.0062	-0.0098	0.0115	-0.0106	0.0042
Y	0.0006	0.0028	0.0023	0.0049	-0.0159	0.0165
Z	-0.0036	0.0101	-0.0136	0.0145	-0.0028	-0.0124
AT. 7 CA X	-0.0112	-0.0062	-0.0098	-0.0115	0.0106	-0.0042
Y	0.0006	-0.0028	0.0023	-0.0049	0.0159	-0.0165
Z	0.0036	0.0101	0.0136	0.0145	-0.0028	-0.0124
AT. 8 CA X	0.0112	0.0062	-0.0098	-0.0115	0.0106	0.0042
Y	0.0006	-0.0028	-0.0023	0.0049	-0.0159	-0.0165
Z	0.0036	0.0101	-0.0136	-0.0145	0.0028	-0.0124
AT. 9 CA X	-0.0012	-0.0076	0.0178	0.0091	0.0009	-0.0056
Y	-0.0199	0.0003	0.0100	0.0170	0.0069	-0.0170
Z	0.0000	-0.0097	-0.0036	0.0091	-0.0168	-0.0005
AT. 10 CA X	0.0012	0.0076	0.0178	0.0091	0.0009	0.0056
Y	-0.0199	0.0003	-0.0100	-0.0170	-0.0069	-0.0170
Z	0.0000	-0.0097	0.0036	-0.0091	0.0168	-0.0005
AT. 11 CA X	0.0012	-0.0076	0.0178	-0.0091	-0.0009	-0.0056
Y	-0.0199	-0.0003	-0.0100	0.0170	0.0069	0.0170
Z	0.0000	-0.0097	-0.0036	-0.0091	0.0168	-0.0005
AT. 12 CA X	-0.0012	0.0076	0.0178	-0.0091	-0.0009	0.0056
Y	-0.0199	-0.0003	0.0100	-0.0170	-0.0069	0.0170
Z	0.0000	-0.0097	0.0036	0.0091	-0.0168	-0.0005
AT. 13 SI X	-0.0141	0.0000	-0.0055	0.0000	0.0000	0.0000
Y	-0.0164	0.0000	0.0098	0.0000	0.0000	0.0000
Z	0.0000	0.0025	0.0000	0.0049	-0.0140	0.0255
AT. 14 SI X	0.0141	0.0000	-0.0055	0.0000	0.0000	0.0000
Y	-0.0164	0.0000	-0.0098	0.0000	0.0000	0.0000
Z	0.0000	0.0025	0.0000	-0.0049	0.0140	0.0255
AT. 15 SI X	0.0045	0.0010	-0.0027	0.0005	-0.0121	0.0037
Y	0.0196	0.0041	0.0068	-0.0085	-0.0087	0.0137
Z	-0.0028	0.0021	0.0009	-0.0077	0.0002	-0.0032
AT. 16 SI X	-0.0045	-0.0010	-0.0027	0.0005	-0.0121	-0.0037

	Y	0.0196	0.0041	-0.0068	0.0085	0.0087	0.0137
	Z	-0.0028	0.0021	-0.0009	0.0077	-0.0002	-0.0032
AT. 17 SI	X	-0.0045	0.0010	-0.0027	-0.0005	0.0121	0.0037
	Y	0.0196	-0.0041	-0.0068	-0.0085	-0.0087	-0.0137
	Z	0.0028	0.0021	0.0009	0.0077	-0.0002	-0.0032
AT. 18 SI	X	0.0045	-0.0010	-0.0027	-0.0005	0.0121	-0.0037
	Y	0.0196	-0.0041	0.0068	0.0085	0.0087	-0.0137
	Z	0.0028	0.0021	-0.0009	-0.0077	0.0002	-0.0032
AT. 19 SI	X	0.0000	0.0000	-0.0096	-0.0063	0.0008	0.0000
	Y	-0.0054	-0.0014	0.0000	0.0000	0.0000	0.0057
	Z	0.0059	0.0054	0.0000	0.0000	0.0000	-0.0036
AT. 20 SI	X	0.0000	0.0000	-0.0096	0.0063	-0.0008	0.0000
	Y	-0.0054	0.0014	0.0000	0.0000	0.0000	-0.0057
	Z	-0.0059	0.0054	0.0000	0.0000	0.0000	-0.0036
AT. 21 O	X	0.0004	0.0511	0.0000	-0.0367	0.0152	-0.0170
	Y	-0.0104	0.0057	0.0223	0.0049	0.0110	0.0094
	Z	0.0034	0.0279	-0.0004	-0.0188	-0.0078	0.0059
AT. 22 O	X	-0.0004	-0.0511	0.0000	-0.0367	0.0152	0.0170
	Y	-0.0104	0.0057	-0.0223	-0.0049	-0.0110	0.0094
	Z	0.0034	0.0279	0.0004	0.0188	0.0078	0.0059
AT. 23 O	X	-0.0004	0.0511	0.0000	0.0367	-0.0152	-0.0170
	Y	-0.0104	-0.0057	-0.0223	0.0049	0.0110	-0.0094
	Z	-0.0034	0.0279	-0.0004	0.0188	0.0078	0.0059
AT. 24 O	X	0.0004	-0.0511	0.0000	0.0367	-0.0152	0.0170
	Y	-0.0104	-0.0057	0.0223	-0.0049	-0.0110	-0.0094
	Z	-0.0034	0.0279	0.0004	-0.0188	-0.0078	0.0059
AT. 25 O	X	-0.0090	0.0000	-0.0029	0.0000	0.0000	0.0000
	Y	-0.0212	0.0000	-0.0018	0.0000	0.0000	0.0000
	Z	0.0000	-0.0511	0.0000	0.0436	-0.0291	0.0236
AT. 26 O	X	0.0090	0.0000	-0.0029	0.0000	0.0000	0.0000
	Y	-0.0212	0.0000	0.0018	0.0000	0.0000	0.0000
	Z	0.0000	-0.0511	0.0000	-0.0436	0.0291	0.0236
AT. 27 O	X	-0.0262	0.0000	-0.0424	0.0000	0.0000	0.0000
	Y	-0.0189	0.0000	0.0119	0.0000	0.0000	0.0000
	Z	0.0000	0.0083	0.0000	0.0096	0.0162	0.0205
AT. 28 O	X	0.0262	0.0000	-0.0424	0.0000	0.0000	0.0000
	Y	-0.0189	0.0000	-0.0119	0.0000	0.0000	0.0000
	Z	0.0000	0.0083	0.0000	-0.0096	-0.0162	0.0205
AT. 29 O	X	0.0139	0.0078	0.0107	-0.0026	0.0042	0.0170
	Y	0.0357	0.0094	-0.0032	-0.0069	-0.0150	0.0161
	Z	0.0116	0.0078	0.0048	-0.0068	0.0041	0.0041
AT. 30 O	X	-0.0139	-0.0078	0.0107	-0.0026	0.0042	-0.0170
	Y	0.0357	0.0094	0.0032	0.0069	0.0150	0.0161
	Z	0.0116	0.0078	-0.0048	0.0068	-0.0041	0.0041
AT. 31 O	X	-0.0139	0.0078	0.0107	0.0026	-0.0042	0.0170
	Y	0.0357	-0.0094	0.0032	-0.0069	-0.0150	-0.0161
	Z	-0.0116	0.0078	0.0048	0.0068	-0.0041	0.0041
AT. 32 O	X	0.0139	-0.0078	0.0107	0.0026	-0.0042	-0.0170
	Y	0.0357	-0.0094	-0.0032	0.0069	0.0150	-0.0161
	Z	-0.0116	0.0078	-0.0048	-0.0068	0.0041	0.0041
AT. 33 O	X	0.0007	-0.0004	-0.0038	0.0058	0.0129	0.0052
	Y	0.0119	-0.0006	-0.0112	-0.0160	-0.0048	-0.0194
	Z	0.0026	0.0019	-0.0126	0.0158	0.0209	-0.0047
AT. 34 O	X	-0.0007	0.0004	-0.0038	0.0058	0.0129	-0.0052
	Y	0.0119	-0.0006	0.0112	0.0160	0.0048	-0.0194
	Z	0.0026	0.0019	0.0126	-0.0158	-0.0209	-0.0047
AT. 35 O	X	-0.0007	-0.0004	-0.0038	-0.0058	-0.0129	0.0052
	Y	0.0119	0.0006	0.0112	-0.0160	-0.0048	0.0194
	Z	-0.0026	0.0019	-0.0126	-0.0158	-0.0209	-0.0047
AT. 36 O	X	0.0007	0.0004	-0.0038	-0.0058	-0.0129	-0.0052
	Y	0.0119	0.0006	-0.0112	0.0160	0.0048	0.0194

		Z	-0.0026	0.0019	0.0126	0.0158	0.0209	-0.0047
AT.	37 O	X	-0.0124	-0.0172	-0.0092	-0.0117	-0.0139	-0.0084
		Y	-0.0011	-0.0075	0.0044	-0.0021	-0.0127	0.0134
		Z	0.0196	0.0181	0.0034	0.0000	-0.0021	0.0132
AT.	38 O	X	0.0124	0.0172	-0.0092	-0.0117	-0.0139	0.0084
		Y	-0.0011	-0.0075	-0.0044	0.0021	0.0127	0.0134
		Z	0.0196	0.0181	-0.0034	0.0000	0.0021	0.0132
AT.	39 O	X	0.0124	-0.0172	-0.0092	0.0117	0.0139	-0.0084
		Y	-0.0011	0.0075	-0.0044	-0.0021	-0.0127	-0.0134
		Z	-0.0196	0.0181	0.0034	0.0000	0.0021	0.0132
AT.	40 O	X	-0.0124	0.0172	-0.0092	0.0117	0.0139	0.0084
		Y	-0.0011	0.0075	0.0044	0.0021	0.0127	-0.0134
		Z	-0.0196	0.0181	-0.0034	0.0000	-0.0021	0.0132
AT.	41 O	X	0.0033	0.0097	-0.0226	0.0057	-0.0222	-0.0059
		Y	0.0206	0.0035	0.0063	-0.0090	-0.0100	0.0159
		Z	-0.0311	-0.0229	0.0189	-0.0075	0.0027	-0.0067
AT.	42 O	X	-0.0033	-0.0097	-0.0226	0.0057	-0.0222	0.0059
		Y	0.0206	0.0035	-0.0063	0.0090	0.0100	0.0159
		Z	-0.0311	-0.0229	-0.0189	0.0075	-0.0027	-0.0067
AT.	43 O	X	-0.0033	0.0097	-0.0226	-0.0057	0.0222	-0.0059
		Y	0.0206	-0.0035	-0.0063	-0.0090	-0.0100	-0.0159
		Z	0.0311	-0.0229	0.0189	0.0075	-0.0027	-0.0067
AT.	44 O	X	0.0033	-0.0097	-0.0226	-0.0057	0.0222	0.0059
		Y	0.0206	-0.0035	0.0063	0.0090	0.0100	-0.0159
		Z	0.0311	-0.0229	-0.0189	-0.0075	0.0027	-0.0067
AT.	45 O	X	-0.0098	-0.0082	-0.0065	-0.0004	0.0011	-0.0119
		Y	-0.0037	0.0023	-0.0105	0.0182	-0.0115	0.0005
		Z	-0.0031	-0.0064	0.0143	-0.0121	0.0098	-0.0055
AT.	46 O	X	0.0098	0.0082	-0.0065	-0.0004	0.0011	0.0119
		Y	-0.0037	0.0023	0.0105	-0.0182	0.0115	0.0005
		Z	-0.0031	-0.0064	-0.0143	0.0121	-0.0098	-0.0055
AT.	47 O	X	0.0098	-0.0082	-0.0065	0.0004	-0.0011	-0.0119
		Y	-0.0037	-0.0023	0.0105	0.0182	-0.0115	-0.0005
		Z	0.0031	-0.0064	0.0143	0.0121	-0.0098	-0.0055
AT.	48 O	X	-0.0098	0.0082	-0.0065	0.0004	-0.0011	0.0119
		Y	-0.0037	-0.0023	-0.0105	-0.0182	0.0115	-0.0005
		Z	0.0031	-0.0064	-0.0143	-0.0121	0.0098	-0.0055

FREQ(CM**-1)	270.87	272.87	278.72	280.80	284.59	284.86

AT.	1 CA	X	0.0161	0.0000	0.0000	0.0208	0.0000	-0.0048
		Y	0.0000	0.0032	-0.0026	0.0000	0.0088	0.0000
		Z	0.0000	-0.0072	-0.0010	0.0000	0.0086	0.0000
AT.	2 CA	X	0.0161	0.0000	0.0000	0.0208	0.0000	0.0048
		Y	0.0000	0.0032	0.0026	0.0000	-0.0088	0.0000
		Z	0.0000	0.0072	-0.0010	0.0000	0.0086	0.0000
AT.	3 CA	X	0.0153	0.0204	0.0000	-0.0004	0.0000	0.0000
		Y	-0.0112	-0.0297	0.0000	-0.0060	0.0000	0.0000
		Z	0.0000	0.0000	-0.0128	0.0000	0.0176	0.0041
AT.	4 CA	X	0.0153	-0.0204	0.0000	-0.0004	0.0000	0.0000
		Y	0.0112	-0.0297	0.0000	0.0060	0.0000	0.0000
		Z	0.0000	0.0000	-0.0128	0.0000	0.0176	-0.0041
AT.	5 CA	X	0.0010	0.0049	-0.0051	0.0071	-0.0111	0.0157
		Y	-0.0015	-0.0174	-0.0053	-0.0129	-0.0084	0.0040
		Z	-0.0020	0.0089	0.0012	0.0122	-0.0093	0.0137
AT.	6 CA	X	0.0010	-0.0049	0.0051	0.0071	0.0111	0.0157
		Y	0.0015	-0.0174	-0.0053	0.0129	-0.0084	-0.0040
		Z	0.0020	0.0089	0.0012	-0.0122	-0.0093	-0.0137
AT.	7 CA	X	0.0010	-0.0049	-0.0051	0.0071	-0.0111	-0.0157
		Y	0.0015	-0.0174	0.0053	0.0129	0.0084	0.0040
		Z	-0.0020	-0.0089	0.0012	0.0122	-0.0093	-0.0137

AT.	8	CA	X	0.0010	0.0049	0.0051	0.0071	0.0111	-0.0157
			Y	-0.0015	-0.0174	0.0053	-0.0129	0.0084	-0.0040
			Z	0.0020	-0.0089	0.0012	-0.0122	-0.0093	0.0137
AT.	9	CA	X	-0.0257	0.0067	0.0262	0.0064	-0.0046	0.0194
			Y	-0.0221	-0.0071	0.0129	0.0002	0.0046	-0.0046
			Z	0.0086	0.0045	0.0031	0.0159	-0.0039	0.0012
AT.	10	CA	X	-0.0257	-0.0067	-0.0262	0.0064	0.0046	0.0194
			Y	0.0221	-0.0071	0.0129	-0.0002	0.0046	0.0046
			Z	-0.0086	0.0045	0.0031	-0.0159	-0.0039	-0.0012
AT.	11	CA	X	-0.0257	-0.0067	0.0262	0.0064	-0.0046	-0.0194
			Y	0.0221	-0.0071	-0.0129	-0.0002	-0.0046	-0.0046
			Z	0.0086	-0.0045	0.0031	0.0159	-0.0039	-0.0012
AT.	12	CA	X	-0.0257	0.0067	-0.0262	0.0064	0.0046	-0.0194
			Y	-0.0221	-0.0071	-0.0129	0.0002	-0.0046	0.0046
			Z	-0.0086	-0.0045	0.0031	-0.0159	-0.0039	0.0012
AT.	13	SI	X	-0.0047	-0.0130	0.0000	0.0028	0.0000	0.0000
			Y	0.0210	0.0243	0.0000	0.0080	0.0000	0.0000
			Z	0.0000	0.0000	0.0122	0.0000	0.0086	-0.0160
AT.	14	SI	X	-0.0047	0.0130	0.0000	0.0028	0.0000	0.0000
			Y	-0.0210	0.0243	0.0000	-0.0080	0.0000	0.0000
			Z	0.0000	0.0000	0.0122	0.0000	0.0086	0.0160
AT.	15	SI	X	0.0027	0.0027	-0.0151	-0.0088	0.0008	-0.0060
			Y	0.0116	-0.0016	0.0012	-0.0046	-0.0005	0.0071
			Z	0.0009	0.0043	-0.0100	-0.0163	-0.0044	-0.0084
AT.	16	SI	X	0.0027	-0.0027	0.0151	-0.0088	-0.0008	-0.0060
			Y	-0.0116	-0.0016	0.0012	0.0046	-0.0005	-0.0071
			Z	-0.0009	0.0043	-0.0100	0.0163	-0.0044	0.0084
AT.	17	SI	X	0.0027	-0.0027	-0.0151	-0.0088	0.0008	0.0060
			Y	-0.0116	-0.0016	-0.0012	0.0046	0.0005	0.0071
			Z	0.0009	-0.0043	-0.0100	-0.0163	-0.0044	0.0084
AT.	18	SI	X	0.0027	0.0027	0.0151	-0.0088	-0.0008	0.0060
			Y	0.0116	-0.0016	-0.0012	-0.0046	0.0005	-0.0071
			Z	-0.0009	-0.0043	-0.0100	0.0163	-0.0044	-0.0084
AT.	19	SI	X	0.0057	0.0000	0.0000	-0.0144	0.0000	0.0029
			Y	0.0000	0.0087	-0.0093	0.0000	0.0041	0.0000
			Z	0.0000	0.0041	0.0016	0.0000	-0.0099	0.0000
AT.	20	SI	X	0.0057	0.0000	0.0000	-0.0144	0.0000	-0.0029
			Y	0.0000	0.0087	0.0093	0.0000	-0.0041	0.0000
			Z	0.0000	-0.0041	0.0016	0.0000	-0.0099	0.0000
AT.	21	O	X	-0.0085	-0.0044	-0.0043	0.0057	0.0188	-0.0087
			Y	0.0148	0.0330	0.0176	0.0077	0.0071	-0.0144
			Z	0.0027	0.0022	0.0013	0.0049	0.0174	-0.0141
AT.	22	O	X	-0.0085	0.0044	0.0043	0.0057	-0.0188	-0.0087
			Y	-0.0148	0.0330	0.0176	-0.0077	0.0071	0.0144
			Z	-0.0027	0.0022	0.0013	-0.0049	0.0174	0.0141
AT.	23	O	X	-0.0085	0.0044	-0.0043	0.0057	0.0188	0.0087
			Y	-0.0148	0.0330	-0.0176	-0.0077	-0.0071	-0.0144
			Z	0.0027	-0.0022	0.0013	0.0049	0.0174	0.0141
AT.	24	O	X	-0.0085	-0.0044	0.0043	0.0057	-0.0188	0.0087
			Y	0.0148	0.0330	-0.0176	0.0077	-0.0071	0.0144
			Z	-0.0027	-0.0022	0.0013	-0.0049	0.0174	-0.0141
AT.	25	O	X	-0.0027	-0.0068	0.0000	0.0018	0.0000	0.0000
			Y	0.0217	0.0166	0.0000	0.0154	0.0000	0.0000
			Z	0.0000	0.0000	0.0015	0.0000	-0.0135	0.0184
AT.	26	O	X	-0.0027	0.0068	0.0000	0.0018	0.0000	0.0000
			Y	-0.0217	0.0166	0.0000	-0.0154	0.0000	0.0000
			Z	0.0000	0.0000	0.0015	0.0000	-0.0135	-0.0184
AT.	27	O	X	0.0119	-0.0157	0.0000	-0.0006	0.0000	0.0000
			Y	0.0223	0.0284	0.0000	0.0094	0.0000	0.0000
			Z	0.0000	0.0000	0.0306	0.0000	0.0215	-0.0403
AT.	28	O	X	0.0119	0.0157	0.0000	-0.0006	0.0000	0.0000

		Y	-0.0223	0.0284	0.0000	-0.0094	0.0000	0.0000
		Z	0.0000	0.0000	0.0306	0.0000	0.0215	0.0403
AT.	29 O	X	0.0194	-0.0090	-0.0062	-0.0303	0.0227	0.0165
		Y	0.0160	0.0095	0.0056	0.0125	-0.0274	-0.0107
		Z	0.0120	0.0032	-0.0012	-0.0149	-0.0060	-0.0061
AT.	30 O	X	0.0194	0.0090	0.0062	-0.0303	-0.0227	0.0165
		Y	-0.0160	0.0095	0.0056	-0.0125	-0.0274	0.0107
		Z	-0.0120	0.0032	-0.0012	0.0149	-0.0060	0.0061
AT.	31 O	X	0.0194	0.0090	-0.0062	-0.0303	0.0227	-0.0165
		Y	-0.0160	0.0095	-0.0056	-0.0125	0.0274	-0.0107
		Z	0.0120	-0.0032	-0.0012	-0.0149	-0.0060	0.0061
AT.	32 O	X	0.0194	-0.0090	0.0062	-0.0303	-0.0227	-0.0165
		Y	0.0160	0.0095	-0.0056	0.0125	0.0274	0.0107
		Z	-0.0120	-0.0032	-0.0012	0.0149	-0.0060	-0.0061
AT.	33 O	X	0.0025	0.0021	-0.0140	-0.0148	0.0058	-0.0002
		Y	-0.0116	-0.0127	-0.0075	0.0253	-0.0139	0.0238
		Z	-0.0054	-0.0176	-0.0131	-0.0026	-0.0236	0.0138
AT.	34 O	X	0.0025	-0.0021	0.0140	-0.0148	-0.0058	-0.0002
		Y	0.0116	-0.0127	-0.0075	-0.0253	-0.0139	-0.0238
		Z	0.0054	-0.0176	-0.0131	0.0026	-0.0236	-0.0138
AT.	35 O	X	0.0025	-0.0021	-0.0140	-0.0148	0.0058	0.0002
		Y	0.0116	-0.0127	0.0075	-0.0253	0.0139	0.0238
		Z	-0.0054	0.0176	-0.0131	-0.0026	-0.0236	-0.0138
AT.	36 O	X	0.0025	0.0021	0.0140	-0.0148	-0.0058	0.0002
		Y	-0.0116	-0.0127	0.0075	0.0253	0.0139	-0.0238
		Z	0.0054	0.0176	-0.0131	0.0026	-0.0236	0.0138
AT.	37 O	X	-0.0072	0.0020	-0.0194	-0.0157	0.0129	0.0104
		Y	0.0054	0.0089	-0.0263	-0.0024	0.0142	-0.0020
		Z	0.0140	0.0048	0.0058	-0.0059	-0.0147	-0.0095
AT.	38 O	X	-0.0072	-0.0020	0.0194	-0.0157	-0.0129	0.0104
		Y	-0.0054	0.0089	-0.0263	0.0024	0.0142	0.0020
		Z	-0.0140	0.0048	0.0058	0.0059	-0.0147	0.0095
AT.	39 O	X	-0.0072	-0.0020	-0.0194	-0.0157	0.0129	-0.0104
		Y	-0.0054	0.0089	0.0263	0.0024	-0.0142	-0.0020
		Z	0.0140	-0.0048	0.0058	-0.0059	-0.0147	0.0095
AT.	40 O	X	-0.0072	0.0020	0.0194	-0.0157	-0.0129	-0.0104
		Y	0.0054	0.0089	0.0263	-0.0024	-0.0142	0.0020
		Z	-0.0140	-0.0048	0.0058	0.0059	-0.0147	-0.0095
AT.	41 O	X	0.0061	0.0206	-0.0270	0.0253	-0.0215	-0.0275
		Y	0.0125	-0.0017	0.0009	-0.0031	-0.0002	0.0073
		Z	-0.0115	-0.0059	-0.0066	-0.0081	0.0271	0.0081
AT.	42 O	X	0.0061	-0.0206	0.0270	0.0253	0.0215	-0.0275
		Y	-0.0125	-0.0017	0.0009	0.0031	-0.0002	-0.0073
		Z	0.0115	-0.0059	-0.0066	0.0081	0.0271	-0.0081
AT.	43 O	X	0.0061	-0.0206	-0.0270	0.0253	-0.0215	0.0275
		Y	-0.0125	-0.0017	-0.0009	0.0031	0.0002	0.0073
		Z	-0.0115	0.0059	-0.0066	-0.0081	0.0271	-0.0081
AT.	44 O	X	0.0061	0.0206	0.0270	0.0253	0.0215	0.0275
		Y	0.0125	-0.0017	-0.0009	-0.0031	0.0002	-0.0073
		Z	0.0115	0.0059	-0.0066	0.0081	0.0271	0.0081
AT.	45 O	X	-0.0002	-0.0026	0.0140	-0.0046	-0.0004	0.0110
		Y	-0.0018	0.0082	-0.0028	0.0107	-0.0087	-0.0045
		Z	-0.0033	0.0018	0.0095	-0.0014	0.0047	0.0082
AT.	46 O	X	-0.0002	0.0026	-0.0140	-0.0046	0.0004	0.0110
		Y	0.0018	0.0082	-0.0028	-0.0107	-0.0087	0.0045
		Z	0.0033	0.0018	0.0095	0.0014	0.0047	-0.0082
AT.	47 O	X	-0.0002	0.0026	0.0140	-0.0046	-0.0004	-0.0110
		Y	0.0018	0.0082	0.0028	-0.0107	0.0087	-0.0045
		Z	-0.0033	-0.0018	0.0095	-0.0014	0.0047	-0.0082
AT.	48 O	X	-0.0002	-0.0026	-0.0140	-0.0046	0.0004	-0.0110
		Y	-0.0018	0.0082	0.0028	0.0107	0.0087	0.0045

	Z	0.0033	-0.0018	0.0095	0.0014	0.0047	0.0082
FREQ(CM**-1)		285.21	296.61	299.14	299.25	304.40	308.73
AT. 1 CA	X	0.0000	0.0000	-0.0081	0.0070	0.0000	0.0000
	Y	-0.0052	0.0042	0.0000	0.0000	-0.0074	0.0011
	Z	-0.0184	0.0001	0.0000	0.0000	-0.0120	-0.0007
AT. 2 CA	X	0.0000	0.0000	0.0081	0.0070	0.0000	0.0000
	Y	-0.0052	0.0042	0.0000	0.0000	-0.0074	-0.0011
	Z	0.0184	-0.0001	0.0000	0.0000	0.0120	-0.0007
AT. 3 CA	X	0.0218	0.0248	0.0000	-0.0180	-0.0099	0.0000
	Y	-0.0017	-0.0064	0.0000	-0.0017	-0.0067	0.0000
	Z	0.0000	0.0000	0.0210	0.0000	0.0000	0.0042
AT. 4 CA	X	-0.0218	-0.0248	0.0000	-0.0180	0.0099	0.0000
	Y	-0.0017	-0.0064	0.0000	0.0017	-0.0067	0.0000
	Z	0.0000	0.0000	-0.0210	0.0000	0.0000	0.0042
AT. 5 CA	X	0.0013	-0.0057	-0.0048	0.0032	0.0084	0.0099
	Y	0.0063	0.0068	0.0160	0.0120	-0.0146	0.0148
	Z	0.0118	-0.0116	0.0063	0.0081	0.0023	0.0163
AT. 6 CA	X	-0.0013	0.0057	-0.0048	0.0032	-0.0084	-0.0099
	Y	0.0063	0.0068	-0.0160	-0.0120	-0.0146	0.0148
	Z	0.0118	-0.0116	-0.0063	-0.0081	0.0023	0.0163
AT. 7 CA	X	-0.0013	0.0057	0.0048	0.0032	-0.0084	0.0099
	Y	0.0063	0.0068	0.0160	-0.0120	-0.0146	-0.0148
	Z	-0.0118	0.0116	-0.0063	0.0081	-0.0023	0.0163
AT. 8 CA	X	0.0013	-0.0057	0.0048	0.0032	0.0084	-0.0099
	Y	0.0063	0.0068	-0.0160	0.0120	-0.0146	-0.0148
	Z	-0.0118	0.0116	0.0063	-0.0081	-0.0023	0.0163
AT. 9 CA	X	0.0184	0.0098	-0.0034	0.0005	0.0159	0.0022
	Y	0.0078	0.0181	0.0057	-0.0045	0.0017	0.0125
	Z	0.0008	-0.0072	0.0038	-0.0027	-0.0057	-0.0058
AT. 10 CA	X	-0.0184	-0.0098	-0.0034	0.0005	-0.0159	-0.0022
	Y	0.0078	0.0181	-0.0057	0.0045	0.0017	0.0125
	Z	0.0008	-0.0072	-0.0038	0.0027	-0.0057	-0.0058
AT. 11 CA	X	-0.0184	-0.0098	0.0034	0.0005	-0.0159	0.0022
	Y	0.0078	0.0181	0.0057	0.0045	0.0017	-0.0125
	Z	-0.0008	0.0072	-0.0038	-0.0027	0.0057	-0.0058
AT. 12 CA	X	0.0184	0.0098	0.0034	0.0005	0.0159	-0.0022
	Y	0.0078	0.0181	-0.0057	-0.0045	0.0017	-0.0125
	Z	-0.0008	0.0072	0.0038	0.0027	0.0057	-0.0058
AT. 13 SI	X	-0.0004	-0.0091	0.0000	0.0032	-0.0183	0.0000
	Y	-0.0079	-0.0078	0.0000	-0.0117	0.0009	0.0000
	Z	0.0000	0.0000	-0.0071	0.0000	0.0000	0.0027
AT. 14 SI	X	0.0004	0.0091	0.0000	0.0032	0.0183	0.0000
	Y	-0.0079	-0.0078	0.0000	0.0117	0.0009	0.0000
	Z	0.0000	0.0000	0.0071	0.0000	0.0000	0.0027
AT. 15 SI	X	-0.0126	-0.0067	-0.0042	-0.0010	-0.0035	-0.0006
	Y	0.0043	-0.0022	-0.0102	-0.0014	0.0081	0.0046
	Z	-0.0019	-0.0012	-0.0110	0.0136	-0.0049	-0.0040
AT. 16 SI	X	0.0126	0.0067	-0.0042	-0.0010	0.0035	0.0006
	Y	0.0043	-0.0022	0.0102	0.0014	0.0081	0.0046
	Z	-0.0019	-0.0012	0.0110	-0.0136	-0.0049	-0.0040
AT. 17 SI	X	0.0126	0.0067	0.0042	-0.0010	0.0035	-0.0006
	Y	0.0043	-0.0022	-0.0102	0.0014	0.0081	-0.0046
	Z	0.0019	0.0012	0.0110	0.0136	0.0049	-0.0040
AT. 18 SI	X	-0.0126	-0.0067	0.0042	-0.0010	-0.0035	0.0006
	Y	0.0043	-0.0022	0.0102	-0.0014	0.0081	-0.0046
	Z	0.0019	0.0012	-0.0110	-0.0136	0.0049	-0.0040
AT. 19 SI	X	0.0000	0.0000	0.0012	-0.0034	0.0000	0.0000
	Y	-0.0080	-0.0178	0.0000	0.0000	0.0005	-0.0096
	Z	-0.0045	-0.0076	0.0000	0.0000	-0.0027	-0.0103

AT.	20	SI	X	0.0000	0.0000	-0.0012	-0.0034	0.0000	0.0000
			Y	-0.0080	-0.0178	0.0000	0.0000	0.0005	0.0096
			Z	0.0045	0.0076	0.0000	0.0000	0.0027	-0.0103
AT.	21	O	X	0.0224	-0.0165	0.0071	0.0182	-0.0288	0.0063
			Y	0.0079	-0.0101	-0.0136	-0.0018	-0.0043	-0.0201
			Z	0.0047	-0.0068	0.0047	0.0031	-0.0039	0.0142
AT.	22	O	X	-0.0224	0.0165	0.0071	0.0182	0.0288	-0.0063
			Y	0.0079	-0.0101	0.0136	0.0018	-0.0043	-0.0201
			Z	0.0047	-0.0068	-0.0047	-0.0031	-0.0039	0.0142
AT.	23	O	X	-0.0224	0.0165	-0.0071	0.0182	0.0288	0.0063
			Y	0.0079	-0.0101	-0.0136	0.0018	-0.0043	0.0201
			Z	-0.0047	0.0068	-0.0047	0.0031	0.0039	0.0142
AT.	24	O	X	0.0224	-0.0165	-0.0071	0.0182	-0.0288	-0.0063
			Y	0.0079	-0.0101	0.0136	-0.0018	-0.0043	0.0201
			Z	-0.0047	0.0068	0.0047	-0.0031	0.0039	0.0142
AT.	25	O	X	0.0071	-0.0185	0.0000	0.0122	-0.0235	0.0000
			Y	-0.0323	0.0087	0.0000	-0.0345	0.0221	0.0000
			Z	0.0000	0.0000	-0.0069	0.0000	0.0000	0.0316
AT.	26	O	X	-0.0071	0.0185	0.0000	0.0122	0.0235	0.0000
			Y	-0.0323	0.0087	0.0000	0.0345	0.0221	0.0000
			Z	0.0000	0.0000	0.0069	0.0000	0.0000	0.0316
AT.	27	O	X	-0.0515	0.0225	0.0000	-0.0276	0.0306	0.0000
			Y	-0.0093	-0.0076	0.0000	-0.0142	0.0026	0.0000
			Z	0.0000	0.0000	-0.0190	0.0000	0.0000	-0.0483
AT.	28	O	X	0.0515	-0.0225	0.0000	-0.0276	-0.0306	0.0000
			Y	-0.0093	-0.0076	0.0000	0.0142	0.0026	0.0000
			Z	0.0000	0.0000	0.0190	0.0000	0.0000	-0.0483
AT.	29	O	X	0.0020	-0.0064	-0.0316	0.0078	0.0168	0.0153
			Y	-0.0058	0.0082	-0.0145	0.0163	0.0044	0.0019
			Z	-0.0001	0.0044	-0.0271	0.0265	0.0031	0.0026
AT.	30	O	X	-0.0020	0.0064	-0.0316	0.0078	-0.0168	-0.0153
			Y	-0.0058	0.0082	0.0145	-0.0163	0.0044	0.0019
			Z	-0.0001	0.0044	0.0271	-0.0265	0.0031	0.0026
AT.	31	O	X	-0.0020	0.0064	0.0316	0.0078	-0.0168	0.0153
			Y	-0.0058	0.0082	-0.0145	-0.0163	0.0044	-0.0019
			Z	0.0001	-0.0044	0.0271	0.0265	-0.0031	0.0026
AT.	32	O	X	0.0020	-0.0064	0.0316	0.0078	0.0168	-0.0153
			Y	-0.0058	0.0082	0.0145	0.0163	0.0044	-0.0019
			Z	0.0001	-0.0044	-0.0271	-0.0265	-0.0031	0.0026
AT.	33	O	X	0.0094	0.0055	-0.0013	-0.0065	0.0021	0.0053
			Y	0.0107	-0.0041	-0.0082	0.0115	0.0167	-0.0187
			Z	0.0044	-0.0210	-0.0051	0.0046	0.0192	-0.0036
AT.	34	O	X	-0.0094	-0.0055	-0.0013	-0.0065	-0.0021	-0.0053
			Y	0.0107	-0.0041	0.0082	-0.0115	0.0167	-0.0187
			Z	0.0044	-0.0210	0.0051	-0.0046	0.0192	-0.0036
AT.	35	O	X	-0.0094	-0.0055	0.0013	-0.0065	-0.0021	0.0053
			Y	0.0107	-0.0041	-0.0082	-0.0115	0.0167	0.0187
			Z	-0.0044	0.0210	0.0051	0.0046	-0.0192	-0.0036
AT.	36	O	X	0.0094	0.0055	0.0013	-0.0065	0.0021	-0.0053
			Y	0.0107	-0.0041	0.0082	0.0115	0.0167	0.0187
			Z	-0.0044	0.0210	-0.0051	-0.0046	-0.0192	-0.0036
AT.	37	O	X	0.0049	-0.0124	0.0163	-0.0221	0.0042	0.0017
			Y	-0.0059	-0.0268	-0.0043	-0.0009	0.0044	-0.0070
			Z	-0.0056	0.0056	-0.0220	0.0214	-0.0035	-0.0061
AT.	38	O	X	-0.0049	0.0124	0.0163	-0.0221	-0.0042	-0.0017
			Y	-0.0059	-0.0268	0.0043	0.0009	0.0044	-0.0070
			Z	-0.0056	0.0056	0.0220	-0.0214	-0.0035	-0.0061
AT.	39	O	X	-0.0049	0.0124	-0.0163	-0.0221	-0.0042	0.0017
			Y	-0.0059	-0.0268	-0.0043	0.0009	0.0044	0.0070
			Z	0.0056	-0.0056	0.0220	0.0214	0.0035	-0.0061
AT.	40	O	X	0.0049	-0.0124	-0.0163	-0.0221	0.0042	-0.0017

	Y	-0.0059	-0.0268	0.0043	-0.0009	0.0044	0.0070
	Z	0.0056	-0.0056	-0.0220	-0.0214	0.0035	-0.0061
AT. 41 O	X	-0.0122	0.0126	0.0117	0.0180	-0.0217	-0.0248
	Y	0.0043	-0.0033	-0.0102	-0.0015	0.0095	0.0048
	Z	0.0126	-0.0150	0.0057	-0.0145	0.0116	-0.0039
AT. 42 O	X	0.0122	-0.0126	0.0117	0.0180	0.0217	0.0248
	Y	0.0043	-0.0033	0.0102	0.0015	0.0095	0.0048
	Z	0.0126	-0.0150	-0.0057	0.0145	0.0116	-0.0039
AT. 43 O	X	0.0122	-0.0126	-0.0117	0.0180	0.0217	-0.0248
	Y	0.0043	-0.0033	-0.0102	0.0015	0.0095	-0.0048
	Z	-0.0126	0.0150	-0.0057	-0.0145	-0.0116	-0.0039
AT. 44 O	X	-0.0122	0.0126	-0.0117	0.0180	-0.0217	0.0248
	Y	0.0043	-0.0033	0.0102	-0.0015	0.0095	-0.0048
	Z	-0.0126	0.0150	0.0057	0.0145	-0.0116	-0.0039
AT. 45 O	X	0.0157	0.0171	-0.0014	-0.0017	0.0076	-0.0006
	Y	-0.0102	0.0023	0.0175	-0.0146	-0.0086	-0.0075
	Z	0.0108	-0.0108	-0.0201	0.0175	0.0120	-0.0121
AT. 46 O	X	-0.0157	-0.0171	-0.0014	-0.0017	-0.0076	0.0006
	Y	-0.0102	0.0023	-0.0175	0.0146	-0.0086	-0.0075
	Z	0.0108	-0.0108	0.0201	-0.0175	0.0120	-0.0121
AT. 47 O	X	-0.0157	-0.0171	0.0014	-0.0017	-0.0076	-0.0006
	Y	-0.0102	0.0023	0.0175	0.0146	-0.0086	0.0075
	Z	-0.0108	0.0108	0.0201	0.0175	-0.0120	-0.0121
AT. 48 O	X	0.0157	0.0171	0.0014	-0.0017	0.0076	0.0006
	Y	-0.0102	0.0023	-0.0175	-0.0146	-0.0086	0.0075
	Z	-0.0108	0.0108	-0.0201	-0.0175	-0.0120	-0.0121

FREQ(CM**-1)	319.98	320.29	321.29	328.59	330.09	336.66
AT. 1 CA X	0.0000	0.0046	-0.0018	-0.0064	0.0000	0.0000
Y	0.0025	0.0000	0.0000	0.0000	0.0014	0.0035
Z	-0.0032	0.0000	0.0000	0.0000	-0.0043	0.0002
AT. 2 CA X	0.0000	0.0046	0.0018	0.0064	0.0000	0.0000
Y	0.0025	0.0000	0.0000	0.0000	-0.0014	-0.0035
Z	0.0032	0.0000	0.0000	0.0000	-0.0043	0.0002
AT. 3 CA X	-0.0017	0.0213	0.0000	0.0000	0.0000	0.0000
Y	0.0023	0.0030	0.0000	0.0000	0.0000	0.0000
Z	0.0000	0.0000	0.0098	0.0092	-0.0036	0.0009
AT. 4 CA X	0.0017	0.0213	0.0000	0.0000	0.0000	0.0000
Y	0.0023	-0.0030	0.0000	0.0000	0.0000	0.0000
Z	0.0000	0.0000	-0.0098	-0.0092	-0.0036	0.0009
AT. 5 CA X	-0.0036	0.0037	-0.0061	-0.0115	-0.0085	-0.0024
Y	-0.0112	0.0081	-0.0118	-0.0066	0.0025	-0.0063
Z	-0.0137	0.0110	-0.0098	-0.0164	-0.0095	-0.0040
AT. 6 CA X	0.0036	0.0037	-0.0061	-0.0115	0.0085	0.0024
Y	-0.0112	-0.0081	0.0118	0.0066	0.0025	-0.0063
Z	-0.0137	-0.0110	0.0098	0.0164	-0.0095	-0.0040
AT. 7 CA X	0.0036	0.0037	0.0061	0.0115	-0.0085	-0.0024
Y	-0.0112	-0.0081	-0.0118	-0.0066	-0.0025	0.0063
Z	0.0137	0.0110	0.0098	0.0164	-0.0095	-0.0040
AT. 8 CA X	-0.0036	0.0037	0.0061	0.0115	0.0085	0.0024
Y	-0.0112	0.0081	0.0118	0.0066	-0.0025	0.0063
Z	0.0137	-0.0110	-0.0098	-0.0164	-0.0095	-0.0040
AT. 9 CA X	0.0029	0.0096	-0.0055	0.0049	0.0052	0.0081
Y	-0.0001	0.0047	-0.0067	0.0080	0.0027	-0.0084
Z	0.0079	-0.0073	0.0140	-0.0046	-0.0045	-0.0173
AT. 10 CA X	-0.0029	0.0096	-0.0055	0.0049	-0.0052	-0.0081
Y	-0.0001	-0.0047	0.0067	-0.0080	0.0027	-0.0084
Z	0.0079	0.0073	-0.0140	0.0046	-0.0045	-0.0173
AT. 11 CA X	-0.0029	0.0096	0.0055	-0.0049	0.0052	0.0081
Y	-0.0001	-0.0047	-0.0067	0.0080	-0.0027	0.0084

		Z	-0.0079	-0.0073	-0.0140	0.0046	-0.0045	-0.0173
AT.	12 CA	X	0.0029	0.0096	0.0055	-0.0049	-0.0052	-0.0081
		Y	-0.0001	0.0047	0.0067	-0.0080	-0.0027	0.0084
		Z	-0.0079	0.0073	0.0140	-0.0046	-0.0045	-0.0173
AT.	13 SI	X	0.0039	-0.0111	0.0000	0.0000	0.0000	0.0000
		Y	0.0074	-0.0050	0.0000	0.0000	0.0000	0.0000
		Z	0.0000	0.0000	-0.0092	0.0125	0.0046	0.0121
AT.	14 SI	X	-0.0039	-0.0111	0.0000	0.0000	0.0000	0.0000
		Y	0.0074	0.0050	0.0000	0.0000	0.0000	0.0000
		Z	0.0000	0.0000	0.0092	-0.0125	0.0046	0.0121
AT.	15 SI	X	0.0116	-0.0030	0.0023	-0.0012	-0.0004	-0.0061
		Y	-0.0017	-0.0020	0.0040	-0.0051	0.0078	-0.0061
		Z	-0.0031	0.0023	-0.0137	-0.0044	0.0061	-0.0035
AT.	16 SI	X	-0.0116	-0.0030	0.0023	-0.0012	0.0004	0.0061
		Y	-0.0017	0.0020	-0.0040	0.0051	0.0078	-0.0061
		Z	-0.0031	-0.0023	0.0137	0.0044	0.0061	-0.0035
AT.	17 SI	X	-0.0116	-0.0030	-0.0023	0.0012	-0.0004	-0.0061
		Y	-0.0017	0.0020	0.0040	-0.0051	-0.0078	0.0061
		Z	0.0031	0.0023	0.0137	0.0044	0.0061	-0.0035
AT.	18 SI	X	0.0116	-0.0030	-0.0023	0.0012	0.0004	0.0061
		Y	-0.0017	-0.0020	-0.0040	0.0051	-0.0078	0.0061
		Z	0.0031	-0.0023	-0.0137	-0.0044	0.0061	-0.0035
AT.	19 SI	X	0.0000	-0.0031	-0.0038	-0.0016	0.0000	0.0000
		Y	-0.0095	0.0000	0.0000	0.0000	-0.0193	0.0258
		Z	-0.0041	0.0000	0.0000	0.0000	-0.0144	0.0154
AT.	20 SI	X	0.0000	-0.0031	0.0038	0.0016	0.0000	0.0000
		Y	-0.0095	0.0000	0.0000	0.0000	0.0193	-0.0258
		Z	0.0041	0.0000	0.0000	0.0000	-0.0144	0.0154
AT.	21 O	X	0.0113	-0.0362	-0.0087	0.0095	0.0105	0.0057
		Y	0.0152	-0.0180	0.0155	-0.0075	-0.0048	-0.0153
		Z	0.0004	-0.0081	-0.0187	0.0219	0.0132	0.0220
AT.	22 O	X	-0.0113	-0.0362	-0.0087	0.0095	-0.0105	-0.0057
		Y	0.0152	0.0180	-0.0155	0.0075	-0.0048	-0.0153
		Z	0.0004	0.0081	0.0187	-0.0219	0.0132	0.0220
AT.	23 O	X	-0.0113	-0.0362	0.0087	-0.0095	0.0105	0.0057
		Y	0.0152	0.0180	0.0155	-0.0075	0.0048	0.0153
		Z	-0.0004	-0.0081	0.0187	-0.0219	0.0132	0.0220
AT.	24 O	X	0.0113	-0.0362	0.0087	-0.0095	-0.0105	-0.0057
		Y	0.0152	-0.0180	-0.0155	0.0075	0.0048	0.0153
		Z	-0.0004	0.0081	-0.0187	0.0219	0.0132	0.0220
AT.	25 O	X	0.0095	-0.0222	0.0000	0.0000	0.0000	0.0000
		Y	0.0008	0.0139	0.0000	0.0000	0.0000	0.0000
		Z	0.0000	0.0000	-0.0377	0.0168	0.0160	0.0312
AT.	26 O	X	-0.0095	-0.0222	0.0000	0.0000	0.0000	0.0000
		Y	0.0008	-0.0139	0.0000	0.0000	0.0000	0.0000
		Z	0.0000	0.0000	0.0377	-0.0168	0.0160	0.0312
AT.	27 O	X	-0.0080	0.0402	0.0000	0.0000	0.0000	0.0000
		Y	0.0095	-0.0067	0.0000	0.0000	0.0000	0.0000
		Z	0.0000	0.0000	0.0398	-0.0062	-0.0182	-0.0216
AT.	28 O	X	0.0080	0.0402	0.0000	0.0000	0.0000	0.0000
		Y	0.0095	0.0067	0.0000	0.0000	0.0000	0.0000
		Z	0.0000	0.0000	-0.0398	0.0062	-0.0182	-0.0216
AT.	29 O	X	0.0270	0.0000	0.0019	0.0139	-0.0110	-0.0131
		Y	-0.0115	0.0065	0.0016	-0.0181	0.0188	-0.0012
		Z	0.0013	0.0092	-0.0147	-0.0013	0.0041	-0.0046
AT.	30 O	X	-0.0270	0.0000	0.0019	0.0139	0.0110	0.0131
		Y	-0.0115	-0.0065	-0.0016	0.0181	0.0188	-0.0012
		Z	0.0013	-0.0092	0.0147	0.0013	0.0041	-0.0046
AT.	31 O	X	-0.0270	0.0000	-0.0019	-0.0139	-0.0110	-0.0131
		Y	-0.0115	-0.0065	0.0016	-0.0181	-0.0188	0.0012
		Z	-0.0013	0.0092	0.0147	0.0013	0.0041	-0.0046

AT. 32 O	X	0.0270	0.0000	-0.0019	-0.0139	0.0110	0.0131
	Y	-0.0115	0.0065	-0.0016	0.0181	-0.0188	0.0012
	Z	-0.0013	-0.0092	-0.0147	-0.0013	0.0041	-0.0046
AT. 33 O	X	-0.0227	-0.0035	-0.0108	-0.0122	-0.0080	-0.0104
	Y	0.0240	0.0052	0.0206	0.0183	0.0043	0.0144
	Z	-0.0183	0.0160	0.0103	-0.0159	-0.0116	-0.0075
AT. 34 O	X	0.0227	-0.0035	-0.0108	-0.0122	0.0080	0.0104
	Y	0.0240	-0.0052	-0.0206	-0.0183	0.0043	0.0144
	Z	-0.0183	-0.0160	-0.0103	0.0159	-0.0116	-0.0075
AT. 35 O	X	0.0227	-0.0035	0.0108	0.0122	-0.0080	-0.0104
	Y	0.0240	-0.0052	0.0206	0.0183	-0.0043	-0.0144
	Z	0.0183	0.0160	-0.0103	0.0159	-0.0116	-0.0075
AT. 36 O	X	-0.0227	-0.0035	0.0108	0.0122	0.0080	0.0104
	Y	0.0240	0.0052	-0.0206	-0.0183	-0.0043	-0.0144
	Z	0.0183	-0.0160	0.0103	-0.0159	-0.0116	-0.0075
AT. 37 O	X	0.0074	-0.0104	0.0116	-0.0002	-0.0035	-0.0046
	Y	-0.0142	-0.0057	0.0008	-0.0110	-0.0011	0.0115
	Z	-0.0054	0.0056	-0.0161	-0.0045	0.0062	0.0003
AT. 38 O	X	-0.0074	-0.0104	0.0116	-0.0002	0.0035	0.0046
	Y	-0.0142	0.0057	-0.0008	0.0110	-0.0011	0.0115
	Z	-0.0054	-0.0056	0.0161	0.0045	0.0062	0.0003
AT. 39 O	X	-0.0074	-0.0104	-0.0116	0.0002	-0.0035	-0.0046
	Y	-0.0142	0.0057	0.0008	-0.0110	0.0011	-0.0115
	Z	0.0054	0.0056	0.0161	0.0045	0.0062	0.0003
AT. 40 O	X	0.0074	-0.0104	-0.0116	0.0002	0.0035	0.0046
	Y	-0.0142	-0.0057	-0.0008	0.0110	0.0011	-0.0115
	Z	0.0054	-0.0056	-0.0161	-0.0045	0.0062	0.0003
AT. 41 O	X	-0.0243	-0.0038	-0.0160	-0.0268	0.0308	-0.0013
	Y	-0.0031	-0.0024	0.0061	-0.0059	0.0091	-0.0051
	Z	-0.0160	-0.0245	0.0111	-0.0309	0.0367	-0.0100
AT. 42 O	X	0.0243	-0.0038	-0.0160	-0.0268	-0.0308	0.0013
	Y	-0.0031	0.0024	-0.0061	0.0059	0.0091	-0.0051
	Z	-0.0160	0.0245	-0.0111	0.0309	0.0367	-0.0100
AT. 43 O	X	0.0243	-0.0038	0.0160	0.0268	0.0308	-0.0013
	Y	-0.0031	0.0024	0.0061	-0.0059	-0.0091	0.0051
	Z	0.0160	-0.0245	-0.0111	0.0309	0.0367	-0.0100
AT. 44 O	X	-0.0243	-0.0038	0.0160	0.0268	-0.0308	0.0013
	Y	-0.0031	-0.0024	-0.0061	0.0059	-0.0091	0.0051
	Z	0.0160	0.0245	0.0111	-0.0309	0.0367	-0.0100
AT. 45 O	X	0.0070	-0.0033	-0.0072	-0.0066	0.0249	-0.0107
	Y	0.0115	-0.0065	0.0013	0.0025	-0.0046	0.0024
	Z	-0.0188	0.0073	-0.0039	-0.0050	-0.0045	0.0287
AT. 46 O	X	-0.0070	-0.0033	-0.0072	-0.0066	-0.0249	0.0107
	Y	0.0115	0.0065	-0.0013	-0.0025	-0.0046	0.0024
	Z	-0.0188	-0.0073	0.0039	0.0050	-0.0045	0.0287
AT. 47 O	X	-0.0070	-0.0033	0.0072	0.0066	0.0249	-0.0107
	Y	0.0115	0.0065	0.0013	0.0025	0.0046	-0.0024
	Z	0.0188	0.0073	0.0039	0.0050	-0.0045	0.0287
AT. 48 O	X	0.0070	-0.0033	0.0072	0.0066	-0.0249	0.0107
	Y	0.0115	-0.0065	-0.0013	-0.0025	0.0046	-0.0024
	Z	0.0188	-0.0073	-0.0039	-0.0050	-0.0045	0.0287

FREQ(CM**-1)	340.80	344.00	348.79	352.13	356.67	361.10

AT. 1 CA	X	0.0010	0.0000	0.0169	0.0000	-0.0096	0.0000
	Y	0.0000	-0.0066	0.0000	-0.0089	0.0000	-0.0011
	Z	0.0000	0.0065	0.0000	0.0070	0.0000	-0.0066
AT. 2 CA	X	0.0010	0.0000	0.0169	0.0000	0.0096	0.0000
	Y	0.0000	-0.0066	0.0000	0.0089	0.0000	-0.0011
	Z	0.0000	-0.0065	0.0000	0.0070	0.0000	0.0066
AT. 3 CA	X	0.0060	-0.0040	-0.0090	0.0000	0.0000	-0.0120

		Y	0.0018	-0.0019	0.0076	0.0000	0.0000	0.0030
		Z	0.0000	0.0000	0.0000	-0.0033	-0.0102	0.0000
AT.	4 CA	X	0.0060	0.0040	-0.0090	0.0000	0.0000	0.0120
		Y	-0.0018	-0.0019	-0.0076	0.0000	0.0000	0.0030
		Z	0.0000	0.0000	0.0000	-0.0033	0.0102	0.0000
AT.	5 CA	X	-0.0038	0.0006	0.0101	-0.0044	0.0061	0.0129
		Y	0.0152	-0.0110	0.0120	-0.0123	0.0124	0.0101
		Z	-0.0020	-0.0014	0.0163	-0.0136	0.0091	0.0175
AT.	6 CA	X	-0.0038	-0.0006	0.0101	0.0044	0.0061	-0.0129
		Y	-0.0152	-0.0110	-0.0120	-0.0123	-0.0124	0.0101
		Z	0.0020	-0.0014	-0.0163	-0.0136	-0.0091	0.0175
AT.	7 CA	X	-0.0038	-0.0006	0.0101	-0.0044	-0.0061	-0.0129
		Y	-0.0152	-0.0110	-0.0120	0.0123	0.0124	0.0101
		Z	-0.0020	0.0014	0.0163	-0.0136	-0.0091	-0.0175
AT.	8 CA	X	-0.0038	0.0006	0.0101	0.0044	-0.0061	0.0129
		Y	0.0152	-0.0110	0.0120	0.0123	-0.0124	0.0101
		Z	0.0020	0.0014	-0.0163	-0.0136	0.0091	-0.0175
AT.	9 CA	X	0.0009	-0.0071	-0.0101	-0.0006	0.0019	0.0017
		Y	-0.0071	0.0071	0.0030	0.0089	-0.0021	-0.0082
		Z	-0.0071	0.0075	0.0013	-0.0073	0.0158	-0.0022
AT.	10 CA	X	0.0009	0.0071	-0.0101	0.0006	0.0019	-0.0017
		Y	0.0071	0.0071	-0.0030	0.0089	0.0021	-0.0082
		Z	0.0071	0.0075	-0.0013	-0.0073	-0.0158	-0.0022
AT.	11 CA	X	0.0009	0.0071	-0.0101	-0.0006	-0.0019	-0.0017
		Y	0.0071	0.0071	-0.0030	-0.0089	-0.0021	-0.0082
		Z	-0.0071	-0.0075	0.0013	-0.0073	-0.0158	0.0022
AT.	12 CA	X	0.0009	-0.0071	-0.0101	0.0006	-0.0019	0.0017
		Y	-0.0071	0.0071	0.0030	-0.0089	0.0021	-0.0082
		Z	0.0071	-0.0075	-0.0013	-0.0073	0.0158	0.0022
AT.	13 SI	X	0.0001	0.0093	-0.0046	0.0000	0.0000	-0.0072
		Y	-0.0053	0.0014	-0.0039	0.0000	0.0000	-0.0016
		Z	0.0000	0.0000	0.0000	0.0100	-0.0075	0.0000
AT.	14 SI	X	0.0001	-0.0093	-0.0046	0.0000	0.0000	0.0072
		Y	0.0053	0.0014	0.0039	0.0000	0.0000	-0.0016
		Z	0.0000	0.0000	0.0000	0.0100	0.0075	0.0000
AT.	15 SI	X	0.0053	0.0085	0.0090	0.0010	-0.0061	0.0113
		Y	0.0103	0.0097	0.0019	-0.0043	-0.0099	-0.0007
		Z	0.0036	0.0048	-0.0136	0.0032	0.0013	0.0045
AT.	16 SI	X	0.0053	-0.0085	0.0090	-0.0010	-0.0061	-0.0113
		Y	-0.0103	0.0097	-0.0019	-0.0043	0.0099	-0.0007
		Z	-0.0036	0.0048	0.0136	0.0032	-0.0013	0.0045
AT.	17 SI	X	0.0053	-0.0085	0.0090	0.0010	0.0061	-0.0113
		Y	-0.0103	0.0097	-0.0019	0.0043	-0.0099	-0.0007
		Z	0.0036	-0.0048	-0.0136	0.0032	-0.0013	-0.0045
AT.	18 SI	X	0.0053	0.0085	0.0090	-0.0010	0.0061	0.0113
		Y	0.0103	0.0097	0.0019	0.0043	0.0099	-0.0007
		Z	-0.0036	-0.0048	0.0136	0.0032	0.0013	-0.0045
AT.	19 SI	X	-0.0066	0.0000	-0.0185	0.0000	-0.0008	0.0000
		Y	0.0000	-0.0281	0.0000	-0.0019	0.0000	-0.0075
		Z	0.0000	-0.0188	0.0000	-0.0084	0.0000	0.0053
AT.	20 SI	X	-0.0066	0.0000	-0.0185	0.0000	0.0008	0.0000
		Y	0.0000	-0.0281	0.0000	0.0019	0.0000	-0.0075
		Z	0.0000	0.0188	0.0000	-0.0084	0.0000	-0.0053
AT.	21 O	X	-0.0104	0.0062	0.0031	-0.0037	-0.0035	-0.0109
		Y	-0.0094	0.0053	-0.0099	-0.0114	0.0191	-0.0042
		Z	-0.0045	-0.0012	0.0077	0.0116	-0.0199	0.0001
AT.	22 O	X	-0.0104	-0.0062	0.0031	0.0037	-0.0035	0.0109
		Y	0.0094	0.0053	0.0099	-0.0114	-0.0191	-0.0042
		Z	0.0045	-0.0012	-0.0077	0.0116	0.0199	0.0001
AT.	23 O	X	-0.0104	-0.0062	0.0031	-0.0037	0.0035	0.0109
		Y	0.0094	0.0053	0.0099	0.0114	0.0191	-0.0042

		Z	-0.0045	0.0012	0.0077	0.0116	0.0199	-0.0001
AT.	24 O	X	-0.0104	0.0062	0.0031	0.0037	0.0035	-0.0109
		Y	-0.0094	0.0053	-0.0099	0.0114	-0.0191	-0.0042
		Z	0.0045	0.0012	-0.0077	0.0116	-0.0199	-0.0001
AT.	25 O	X	-0.0037	0.0092	-0.0037	0.0000	0.0000	0.0005
		Y	-0.0001	-0.0005	-0.0048	0.0000	0.0000	-0.0126
		Z	0.0000	0.0000	0.0000	0.0227	-0.0241	0.0000
AT.	26 O	X	-0.0037	-0.0092	-0.0037	0.0000	0.0000	-0.0005
		Y	0.0001	-0.0005	0.0048	0.0000	0.0000	-0.0126
		Z	0.0000	0.0000	0.0000	0.0227	0.0241	0.0000
AT.	27 O	X	0.0129	-0.0012	-0.0107	0.0000	0.0000	0.0073
		Y	-0.0077	0.0026	-0.0061	0.0000	0.0000	-0.0035
		Z	0.0000	0.0000	0.0000	0.0060	0.0065	0.0000
AT.	28 O	X	0.0129	0.0012	-0.0107	0.0000	0.0000	-0.0073
		Y	0.0077	0.0026	0.0061	0.0000	0.0000	-0.0035
		Z	0.0000	0.0000	0.0000	0.0060	-0.0065	0.0000
AT.	29 O	X	-0.0195	-0.0020	0.0104	0.0100	0.0101	0.0000
		Y	0.0175	0.0221	-0.0088	-0.0208	-0.0129	-0.0124
		Z	-0.0097	0.0043	-0.0163	0.0004	0.0114	-0.0070
AT.	30 O	X	-0.0195	0.0020	0.0104	-0.0100	0.0101	0.0000
		Y	-0.0175	0.0221	0.0088	-0.0208	0.0129	-0.0124
		Z	0.0097	0.0043	0.0163	0.0004	-0.0114	-0.0070
AT.	31 O	X	-0.0195	0.0020	0.0104	0.0100	-0.0101	0.0000
		Y	-0.0175	0.0221	0.0088	0.0208	-0.0129	-0.0124
		Z	-0.0097	-0.0043	-0.0163	0.0004	-0.0114	0.0070
AT.	32 O	X	-0.0195	-0.0020	0.0104	-0.0100	-0.0101	0.0000
		Y	0.0175	0.0221	-0.0088	0.0208	0.0129	-0.0124
		Z	0.0097	-0.0043	0.0163	0.0004	0.0114	0.0070
AT.	33 O	X	-0.0045	-0.0006	0.0190	0.0132	-0.0029	-0.0153
		Y	0.0043	-0.0007	-0.0181	-0.0139	0.0024	0.0140
		Z	-0.0192	0.0143	0.0101	0.0340	-0.0268	-0.0093
AT.	34 O	X	-0.0045	0.0006	0.0190	-0.0132	-0.0029	0.0153
		Y	-0.0043	-0.0007	0.0181	-0.0139	-0.0024	0.0140
		Z	0.0192	0.0143	-0.0101	0.0340	0.0268	-0.0093
AT.	35 O	X	-0.0045	0.0006	0.0190	0.0132	0.0029	0.0153
		Y	-0.0043	-0.0007	0.0181	0.0139	0.0024	0.0140
		Z	-0.0192	-0.0143	0.0101	0.0340	0.0268	0.0093
AT.	36 O	X	-0.0045	-0.0006	0.0190	-0.0132	0.0029	-0.0153
		Y	0.0043	-0.0007	-0.0181	0.0139	-0.0024	0.0140
		Z	0.0192	-0.0143	-0.0101	0.0340	-0.0268	0.0093
AT.	37 O	X	0.0045	-0.0008	0.0008	-0.0059	-0.0066	0.0012
		Y	0.0175	-0.0040	0.0065	-0.0119	-0.0086	-0.0096
		Z	-0.0026	0.0035	-0.0123	0.0053	0.0084	0.0070
AT.	38 O	X	0.0045	0.0008	0.0008	0.0059	-0.0066	-0.0012
		Y	-0.0175	-0.0040	-0.0065	-0.0119	0.0086	-0.0096
		Z	0.0026	0.0035	0.0123	0.0053	-0.0084	0.0070
AT.	39 O	X	0.0045	0.0008	0.0008	-0.0059	0.0066	-0.0012
		Y	-0.0175	-0.0040	-0.0065	0.0119	-0.0086	-0.0096
		Z	-0.0026	-0.0035	-0.0123	0.0053	-0.0084	-0.0070
AT.	40 O	X	0.0045	-0.0008	0.0008	0.0059	0.0066	0.0012
		Y	0.0175	-0.0040	0.0065	0.0119	0.0086	-0.0096
		Z	0.0026	-0.0035	0.0123	0.0053	0.0084	-0.0070
AT.	41 O	X	0.0252	0.0173	-0.0037	0.0109	0.0010	0.0216
		Y	0.0133	0.0107	0.0029	-0.0067	-0.0122	-0.0023
		Z	0.0383	0.0337	0.0011	-0.0140	-0.0273	0.0053
AT.	42 O	X	0.0252	-0.0173	-0.0037	-0.0109	0.0010	-0.0216
		Y	-0.0133	0.0107	-0.0029	-0.0067	0.0122	-0.0023
		Z	-0.0383	0.0337	-0.0011	-0.0140	0.0273	0.0053
AT.	43 O	X	0.0252	-0.0173	-0.0037	0.0109	-0.0010	-0.0216
		Y	-0.0133	0.0107	-0.0029	0.0067	-0.0122	-0.0023
		Z	0.0383	-0.0337	0.0011	-0.0140	0.0273	-0.0053

AT. 44 O	X	0.0252	0.0173	-0.0037	-0.0109	-0.0010	0.0216
	Y	0.0133	0.0107	0.0029	0.0067	0.0122	-0.0023
	Z	-0.0383	-0.0337	-0.0011	-0.0140	-0.0273	-0.0053
AT. 45 O	X	-0.0048	0.0145	-0.0277	0.0148	0.0061	0.0271
	Y	-0.0072	-0.0077	-0.0020	0.0150	0.0088	0.0248
	Z	0.0077	-0.0235	-0.0037	-0.0112	-0.0033	-0.0015
AT. 46 O	X	-0.0048	-0.0145	-0.0277	-0.0148	0.0061	-0.0271
	Y	0.0072	-0.0077	0.0020	0.0150	-0.0088	0.0248
	Z	-0.0077	-0.0235	0.0037	-0.0112	0.0033	-0.0015
AT. 47 O	X	-0.0048	-0.0145	-0.0277	0.0148	-0.0061	-0.0271
	Y	0.0072	-0.0077	0.0020	-0.0150	0.0088	0.0248
	Z	0.0077	0.0235	-0.0037	-0.0112	0.0033	0.0015
AT. 48 O	X	-0.0048	0.0145	-0.0277	-0.0148	-0.0061	0.0271
	Y	-0.0072	-0.0077	-0.0020	-0.0150	-0.0088	0.0248
	Z	-0.0077	0.0235	0.0037	-0.0112	-0.0033	0.0015

FREQ(CM**-1)	362.81	374.10	387.07	387.11	397.00	398.01
AT. 1 CA X	-0.0078	-0.0210	0.0000	0.0000	0.0000	0.0000
Y	0.0000	0.0000	-0.0026	0.0039	-0.0001	-0.0005
Z	0.0000	0.0000	-0.0058	-0.0018	0.0015	0.0022
AT. 2 CA X	-0.0078	0.0210	0.0000	0.0000	0.0000	0.0000
Y	0.0000	0.0000	0.0026	0.0039	-0.0001	0.0005
Z	0.0000	0.0000	-0.0058	0.0018	-0.0015	0.0022
AT. 3 CA X	-0.0062	0.0000	0.0000	-0.0030	0.0082	0.0000
Y	-0.0022	0.0000	0.0000	0.0017	0.0041	0.0000
Z	0.0000	-0.0029	-0.0006	0.0000	0.0000	-0.0062
AT. 4 CA X	-0.0062	0.0000	0.0000	0.0030	-0.0082	0.0000
Y	0.0022	0.0000	0.0000	0.0017	0.0041	0.0000
Z	0.0000	0.0029	-0.0006	0.0000	0.0000	-0.0062
AT. 5 CA X	0.0084	-0.0042	0.0031	0.0055	-0.0063	-0.0013
Y	0.0110	0.0009	0.0047	0.0052	-0.0091	-0.0085
Z	0.0159	-0.0040	0.0042	0.0099	-0.0115	-0.0065
AT. 6 CA X	0.0084	-0.0042	-0.0031	-0.0055	0.0063	0.0013
Y	-0.0110	-0.0009	0.0047	0.0052	-0.0091	-0.0085
Z	-0.0159	0.0040	0.0042	0.0099	-0.0115	-0.0065
AT. 7 CA X	0.0084	0.0042	0.0031	-0.0055	0.0063	-0.0013
Y	-0.0110	0.0009	-0.0047	0.0052	-0.0091	0.0085
Z	0.0159	0.0040	0.0042	-0.0099	0.0115	-0.0065
AT. 8 CA X	0.0084	0.0042	-0.0031	0.0055	-0.0063	0.0013
Y	0.0110	-0.0009	-0.0047	0.0052	-0.0091	0.0085
Z	-0.0159	-0.0040	0.0042	-0.0099	0.0115	-0.0065
AT. 9 CA X	-0.0006	-0.0046	-0.0063	0.0100	-0.0008	0.0010
Y	-0.0051	0.0046	-0.0119	0.0095	-0.0047	-0.0014
Z	0.0043	0.0019	-0.0082	0.0112	-0.0026	0.0037
AT. 10 CA X	-0.0006	-0.0046	0.0063	-0.0100	0.0008	-0.0010
Y	0.0051	-0.0046	-0.0119	0.0095	-0.0047	-0.0014
Z	-0.0043	-0.0019	-0.0082	0.0112	-0.0026	0.0037
AT. 11 CA X	-0.0006	0.0046	-0.0063	-0.0100	0.0008	0.0010
Y	0.0051	0.0046	0.0119	0.0095	-0.0047	0.0014
Z	0.0043	-0.0019	-0.0082	-0.0112	0.0026	0.0037
AT. 12 CA X	-0.0006	0.0046	0.0063	0.0100	-0.0008	-0.0010
Y	-0.0051	-0.0046	0.0119	0.0095	-0.0047	0.0014
Z	-0.0043	0.0019	-0.0082	-0.0112	0.0026	0.0037
AT. 13 SI X	0.0000	0.0000	0.0000	-0.0104	-0.0005	0.0000
Y	-0.0019	0.0000	0.0000	-0.0006	0.0024	0.0000
Z	0.0000	-0.0021	-0.0079	0.0000	0.0000	0.0035
AT. 14 SI X	0.0000	0.0000	0.0000	0.0104	0.0005	0.0000
Y	0.0019	0.0000	0.0000	-0.0006	0.0024	0.0000
Z	0.0000	0.0021	-0.0079	0.0000	0.0000	0.0035
AT. 15 SI X	-0.0054	-0.0100	-0.0046	0.0066	-0.0069	-0.0016

		Y	0.0015	-0.0032	0.0019	0.0005	0.0036	-0.0044
		Z	-0.0122	-0.0045	0.0015	0.0010	-0.0083	0.0033
AT.	16 SI	X	-0.0054	-0.0100	0.0046	-0.0066	0.0069	0.0016
		Y	-0.0015	0.0032	0.0019	0.0005	0.0036	-0.0044
		Z	0.0122	0.0045	0.0015	0.0010	-0.0083	0.0033
AT.	17 SI	X	-0.0054	0.0100	-0.0046	-0.0066	0.0069	-0.0016
		Y	-0.0015	-0.0032	-0.0019	0.0005	0.0036	0.0044
		Z	-0.0122	0.0045	0.0015	-0.0010	0.0083	0.0033
AT.	18 SI	X	-0.0054	0.0100	0.0046	0.0066	-0.0069	0.0016
		Y	0.0015	0.0032	-0.0019	0.0005	0.0036	0.0044
		Z	0.0122	-0.0045	0.0015	-0.0010	0.0083	0.0033
AT.	19 SI	X	0.0130	0.0231	0.0000	0.0000	0.0000	0.0000
		Y	0.0000	0.0000	0.0059	-0.0088	0.0036	-0.0001
		Z	0.0000	0.0000	0.0045	-0.0041	0.0068	-0.0137
AT.	20 SI	X	0.0130	-0.0231	0.0000	0.0000	0.0000	0.0000
		Y	0.0000	0.0000	-0.0059	-0.0088	0.0036	0.0001
		Z	0.0000	0.0000	0.0045	0.0041	-0.0068	-0.0137
AT.	21 O	X	-0.0013	-0.0083	-0.0010	-0.0093	0.0018	0.0122
		Y	-0.0008	-0.0100	-0.0089	0.0085	0.0134	0.0236
		Z	0.0013	-0.0004	-0.0037	-0.0033	-0.0045	0.0003
AT.	22 O	X	-0.0013	-0.0083	0.0010	0.0093	-0.0018	-0.0122
		Y	0.0008	0.0100	-0.0089	0.0085	0.0134	0.0236
		Z	-0.0013	0.0004	-0.0037	-0.0033	-0.0045	0.0003
AT.	23 O	X	-0.0013	0.0083	-0.0010	0.0093	-0.0018	0.0122
		Y	0.0008	-0.0100	0.0089	0.0085	0.0134	-0.0236
		Z	0.0013	0.0004	-0.0037	0.0033	0.0045	0.0003
AT.	24 O	X	-0.0013	0.0083	0.0010	-0.0093	0.0018	-0.0122
		Y	-0.0008	0.0100	0.0089	0.0085	0.0134	-0.0236
		Z	-0.0013	-0.0004	-0.0037	0.0033	0.0045	0.0003
AT.	25 O	X	0.0060	0.0000	0.0000	0.0016	0.0052	0.0000
		Y	-0.0172	0.0000	0.0000	-0.0265	-0.0177	0.0000
		Z	0.0000	-0.0030	-0.0102	0.0000	0.0000	0.0132
AT.	26 O	X	0.0060	0.0000	0.0000	-0.0016	-0.0052	0.0000
		Y	0.0172	0.0000	0.0000	-0.0265	-0.0177	0.0000
		Z	0.0000	0.0030	-0.0102	0.0000	0.0000	0.0132
AT.	27 O	X	0.0072	0.0000	0.0000	0.0191	0.0125	0.0000
		Y	-0.0031	0.0000	0.0000	-0.0017	0.0038	0.0000
		Z	0.0000	0.0057	0.0116	0.0000	0.0000	-0.0204
AT.	28 O	X	0.0072	0.0000	0.0000	-0.0191	-0.0125	0.0000
		Y	0.0031	0.0000	0.0000	-0.0017	0.0038	0.0000
		Z	0.0000	-0.0057	0.0116	0.0000	0.0000	-0.0204
AT.	29 O	X	0.0029	-0.0019	0.0131	-0.0007	-0.0150	0.0170
		Y	0.0264	0.0301	0.0079	-0.0117	-0.0161	0.0186
		Z	0.0055	0.0176	0.0131	-0.0080	-0.0236	0.0245
AT.	30 O	X	0.0029	-0.0019	-0.0131	0.0007	0.0150	-0.0170
		Y	-0.0264	-0.0301	0.0079	-0.0117	-0.0161	0.0186
		Z	-0.0055	-0.0176	0.0131	-0.0080	-0.0236	0.0245
AT.	31 O	X	0.0029	0.0019	0.0131	0.0007	0.0150	0.0170
		Y	-0.0264	0.0301	-0.0079	-0.0117	-0.0161	-0.0186
		Z	0.0055	-0.0176	0.0131	0.0080	0.0236	0.0245
AT.	32 O	X	0.0029	0.0019	-0.0131	-0.0007	-0.0150	-0.0170
		Y	0.0264	-0.0301	-0.0079	-0.0117	-0.0161	-0.0186
		Z	-0.0055	0.0176	0.0131	0.0080	0.0236	0.0245
AT.	33 O	X	-0.0092	0.0140	-0.0027	-0.0055	-0.0040	-0.0081
		Y	0.0059	-0.0175	-0.0058	0.0008	0.0284	0.0275
		Z	-0.0220	0.0149	-0.0010	-0.0038	0.0134	0.0166
AT.	34 O	X	-0.0092	0.0140	0.0027	0.0055	0.0040	0.0081
		Y	-0.0059	0.0175	-0.0058	0.0008	0.0284	0.0275
		Z	0.0220	-0.0149	-0.0010	-0.0038	0.0134	0.0166
AT.	35 O	X	-0.0092	-0.0140	-0.0027	0.0055	0.0040	-0.0081
		Y	-0.0059	-0.0175	0.0058	0.0008	0.0284	-0.0275

		Z	-0.0220	-0.0149	-0.0010	0.0038	-0.0134	0.0166
AT.	36 O	X	-0.0092	-0.0140	0.0027	-0.0055	-0.0040	0.0081
		Y	0.0059	0.0175	0.0058	0.0008	0.0284	-0.0275
		Z	0.0220	0.0149	-0.0010	0.0038	-0.0134	0.0166
AT.	37 O	X	0.0101	0.0084	0.0072	-0.0001	-0.0203	0.0132
		Y	-0.0116	-0.0181	-0.0037	0.0036	-0.0047	0.0049
		Z	-0.0108	-0.0032	-0.0114	0.0093	0.0105	-0.0113
AT.	38 O	X	0.0101	0.0084	-0.0072	0.0001	0.0203	-0.0132
		Y	0.0116	0.0181	-0.0037	0.0036	-0.0047	0.0049
		Z	0.0108	0.0032	-0.0114	0.0093	0.0105	-0.0113
AT.	39 O	X	0.0101	-0.0084	0.0072	0.0001	0.0203	0.0132
		Y	0.0116	-0.0181	0.0037	0.0036	-0.0047	-0.0049
		Z	-0.0108	0.0032	-0.0114	-0.0093	-0.0105	-0.0113
AT.	40 O	X	0.0101	-0.0084	-0.0072	-0.0001	-0.0203	-0.0132
		Y	-0.0116	0.0181	0.0037	0.0036	-0.0047	-0.0049
		Z	0.0108	-0.0032	-0.0114	-0.0093	-0.0105	-0.0113
AT.	41 O	X	-0.0310	-0.0224	-0.0117	0.0027	0.0194	-0.0184
		Y	0.0032	-0.0041	0.0021	-0.0002	0.0067	-0.0058
		Z	0.0036	-0.0059	0.0014	-0.0049	0.0041	-0.0042
AT.	42 O	X	-0.0310	-0.0224	0.0117	-0.0027	-0.0194	0.0184
		Y	-0.0032	0.0041	0.0021	-0.0002	0.0067	-0.0058
		Z	-0.0036	0.0059	0.0014	-0.0049	0.0041	-0.0042
AT.	43 O	X	-0.0310	0.0224	-0.0117	-0.0027	-0.0194	-0.0184
		Y	-0.0032	-0.0041	-0.0021	-0.0002	0.0067	0.0058
		Z	0.0036	0.0059	0.0014	0.0049	-0.0041	-0.0042
AT.	44 O	X	-0.0310	0.0224	0.0117	0.0027	0.0194	0.0184
		Y	0.0032	0.0041	-0.0021	-0.0002	0.0067	0.0058
		Z	-0.0036	-0.0059	0.0014	0.0049	-0.0041	-0.0042
AT.	45 O	X	0.0177	0.0199	0.0423	-0.0362	-0.0022	0.0005
		Y	0.0106	0.0042	0.0277	-0.0235	-0.0029	-0.0039
		Z	-0.0081	-0.0078	0.0191	-0.0211	0.0120	-0.0068
AT.	46 O	X	0.0177	0.0199	-0.0423	0.0362	0.0022	-0.0005
		Y	-0.0106	-0.0042	0.0277	-0.0235	-0.0029	-0.0039
		Z	0.0081	0.0078	0.0191	-0.0211	0.0120	-0.0068
AT.	47 O	X	0.0177	-0.0199	0.0423	0.0362	0.0022	0.0005
		Y	-0.0106	0.0042	-0.0277	-0.0235	-0.0029	0.0039
		Z	-0.0081	0.0078	0.0191	0.0211	-0.0120	-0.0068
AT.	48 O	X	0.0177	-0.0199	-0.0423	-0.0362	-0.0022	-0.0005
		Y	0.0106	-0.0042	-0.0277	-0.0235	-0.0029	0.0039
		Z	0.0081	-0.0078	0.0191	0.0211	-0.0120	-0.0068

FREQ(CM**-1)	399.43	412.91	412.92	420.72	424.87	430.88
AT. 1 CA X	-0.0066	0.0043	0.0000	0.0000	0.0078	0.0000
Y	0.0000	0.0000	0.0013	-0.0009	0.0000	-0.0020
Z	0.0000	0.0000	-0.0008	-0.0002	0.0000	0.0082
AT. 2 CA X	-0.0066	-0.0043	0.0000	0.0000	-0.0078	0.0000
Y	0.0000	0.0000	0.0013	0.0009	0.0000	0.0020
Z	0.0000	0.0000	0.0008	-0.0002	0.0000	0.0082
AT. 3 CA X	0.0007	0.0000	-0.0046	0.0000	0.0000	0.0000
Y	0.0070	0.0000	-0.0018	0.0000	0.0000	0.0000
Z	0.0000	0.0025	0.0000	0.0053	-0.0042	0.0008
AT. 4 CA X	0.0007	0.0000	0.0046	0.0000	0.0000	0.0000
Y	-0.0070	0.0000	-0.0018	0.0000	0.0000	0.0000
Z	0.0000	-0.0025	0.0000	0.0053	0.0042	0.0008
AT. 5 CA X	0.0031	-0.0034	0.0044	-0.0015	0.0034	-0.0003
Y	0.0049	-0.0002	-0.0019	-0.0006	0.0055	-0.0033
Z	0.0053	0.0023	-0.0002	0.0017	0.0054	-0.0054
AT. 6 CA X	0.0031	-0.0034	-0.0044	0.0015	0.0034	0.0003
Y	-0.0049	0.0002	-0.0019	-0.0006	-0.0055	-0.0033
Z	-0.0053	-0.0023	-0.0002	0.0017	-0.0054	-0.0054

AT.	7	CA	X	0.0031	0.0034	-0.0044	-0.0015	-0.0034	-0.0003
			Y	-0.0049	-0.0002	-0.0019	0.0006	0.0055	0.0033
			Z	0.0053	-0.0023	0.0002	0.0017	-0.0054	-0.0054
AT.	8	CA	X	0.0031	0.0034	0.0044	0.0015	-0.0034	0.0003
			Y	0.0049	0.0002	-0.0019	0.0006	-0.0055	0.0033
			Z	-0.0053	0.0023	0.0002	0.0017	0.0054	-0.0054
AT.	9	CA	X	0.0014	-0.0003	0.0046	-0.0040	0.0041	-0.0025
			Y	0.0005	-0.0013	0.0049	-0.0061	0.0034	0.0020
			Z	-0.0019	0.0028	-0.0004	0.0000	-0.0014	-0.0060
AT.	10	CA	X	0.0014	-0.0003	-0.0046	0.0040	0.0041	0.0025
			Y	-0.0005	0.0013	0.0049	-0.0061	-0.0034	0.0020
			Z	0.0019	-0.0028	-0.0004	0.0000	0.0014	-0.0060
AT.	11	CA	X	0.0014	0.0003	-0.0046	-0.0040	-0.0041	-0.0025
			Y	-0.0005	-0.0013	0.0049	0.0061	0.0034	-0.0020
			Z	-0.0019	-0.0028	0.0004	0.0000	0.0014	-0.0060
AT.	12	CA	X	0.0014	0.0003	0.0046	0.0040	-0.0041	0.0025
			Y	0.0005	0.0013	0.0049	0.0061	-0.0034	-0.0020
			Z	0.0019	0.0028	0.0004	0.0000	-0.0014	-0.0060
AT.	13	SI	X	0.0022	0.0000	-0.0044	0.0000	0.0000	0.0000
			Y	-0.0002	0.0000	0.0003	0.0000	0.0000	0.0000
			Z	0.0000	0.0038	0.0000	-0.0016	0.0002	0.0093
AT.	14	SI	X	0.0022	0.0000	0.0044	0.0000	0.0000	0.0000
			Y	0.0002	0.0000	0.0003	0.0000	0.0000	0.0000
			Z	0.0000	-0.0038	0.0000	-0.0016	-0.0002	0.0093
AT.	15	SI	X	-0.0065	0.0028	0.0054	0.0007	0.0078	0.0152
			Y	0.0047	-0.0041	0.0007	0.0008	0.0012	-0.0018
			Z	0.0002	-0.0003	-0.0027	-0.0008	-0.0002	0.0006
AT.	16	SI	X	-0.0065	0.0028	-0.0054	-0.0007	0.0078	-0.0152
			Y	-0.0047	0.0041	0.0007	0.0008	-0.0012	-0.0018
			Z	-0.0002	0.0003	-0.0027	-0.0008	0.0002	0.0006
AT.	17	SI	X	-0.0065	-0.0028	-0.0054	0.0007	-0.0078	0.0152
			Y	-0.0047	-0.0041	0.0007	-0.0008	0.0012	0.0018
			Z	0.0002	0.0003	0.0027	-0.0008	0.0002	0.0006
AT.	18	SI	X	-0.0065	-0.0028	0.0054	-0.0007	-0.0078	-0.0152
			Y	0.0047	0.0041	0.0007	-0.0008	-0.0012	0.0018
			Z	-0.0002	-0.0003	0.0027	-0.0008	-0.0002	0.0006
AT.	19	SI	X	0.0082	-0.0095	0.0000	0.0000	-0.0160	0.0000
			Y	0.0000	0.0000	-0.0035	0.0000	0.0000	-0.0104
			Z	0.0000	0.0000	0.0013	0.0149	0.0000	0.0211
AT.	20	SI	X	0.0082	0.0095	0.0000	0.0000	0.0160	0.0000
			Y	0.0000	0.0000	-0.0035	0.0000	0.0000	0.0104
			Z	0.0000	0.0000	-0.0013	0.0149	0.0000	0.0211
AT.	21	O	X	0.0079	0.0093	0.0133	0.0130	-0.0119	-0.0044
			Y	-0.0259	0.0382	-0.0252	0.0441	-0.0307	-0.0066
			Z	0.0128	-0.0031	0.0168	-0.0073	0.0018	0.0084
AT.	22	O	X	0.0079	0.0093	-0.0133	-0.0130	-0.0119	0.0044
			Y	0.0259	-0.0382	-0.0252	0.0441	0.0307	-0.0066
			Z	-0.0128	0.0031	0.0168	-0.0073	-0.0018	0.0084
AT.	23	O	X	0.0079	-0.0093	-0.0133	0.0130	0.0119	-0.0044
			Y	0.0259	0.0382	-0.0252	-0.0441	-0.0307	0.0066
			Z	0.0128	0.0031	-0.0168	-0.0073	-0.0018	0.0084
AT.	24	O	X	0.0079	-0.0093	0.0133	-0.0130	0.0119	0.0044
			Y	-0.0259	-0.0382	-0.0252	-0.0441	0.0307	0.0066
			Z	-0.0128	-0.0031	-0.0168	-0.0073	0.0018	0.0084
AT.	25	O	X	-0.0132	0.0000	-0.0178	0.0000	0.0000	0.0000
			Y	0.0473	0.0000	0.0538	0.0000	0.0000	0.0000
			Z	0.0000	0.0203	0.0000	0.0222	-0.0157	-0.0108
AT.	26	O	X	-0.0132	0.0000	0.0178	0.0000	0.0000	0.0000
			Y	-0.0473	0.0000	0.0538	0.0000	0.0000	0.0000
			Z	0.0000	-0.0203	0.0000	0.0222	0.0157	-0.0108
AT.	27	O	X	-0.0307	0.0000	-0.0349	0.0000	0.0000	0.0000

		Y	-0.0015	0.0000	0.0007	0.0000	0.0000	0.0000
		Z	0.0000	-0.0358	0.0000	-0.0348	0.0267	0.0016
AT.	28 O	X	-0.0307	0.0000	0.0349	0.0000	0.0000	0.0000
		Y	0.0015	0.0000	0.0007	0.0000	0.0000	0.0000
		Z	0.0000	0.0358	0.0000	-0.0348	-0.0267	0.0016
AT.	29 O	X	-0.0014	0.0065	-0.0106	-0.0091	0.0121	-0.0160
		Y	-0.0123	0.0166	-0.0106	-0.0086	0.0062	0.0215
		Z	-0.0049	0.0089	-0.0143	-0.0130	0.0052	-0.0103
AT.	30 O	X	-0.0014	0.0065	0.0106	0.0091	0.0121	0.0160
		Y	0.0123	-0.0166	-0.0106	-0.0086	-0.0062	0.0215
		Z	0.0049	-0.0089	-0.0143	-0.0130	-0.0052	-0.0103
AT.	31 O	X	-0.0014	-0.0065	0.0106	-0.0091	-0.0121	-0.0160
		Y	0.0123	0.0166	-0.0106	0.0086	0.0062	-0.0215
		Z	-0.0049	-0.0089	0.0143	-0.0130	-0.0052	-0.0103
AT.	32 O	X	-0.0014	-0.0065	-0.0106	0.0091	-0.0121	0.0160
		Y	-0.0123	-0.0166	-0.0106	0.0086	-0.0062	-0.0215
		Z	0.0049	0.0089	0.0143	-0.0130	0.0052	-0.0103
AT.	33 O	X	-0.0037	-0.0007	-0.0074	0.0070	0.0004	0.0132
		Y	-0.0164	-0.0167	0.0103	-0.0189	-0.0211	0.0089
		Z	-0.0179	-0.0074	-0.0014	-0.0013	-0.0201	-0.0037
AT.	34 O	X	-0.0037	-0.0007	0.0074	-0.0070	0.0004	-0.0132
		Y	0.0164	0.0167	0.0103	-0.0189	0.0211	0.0089
		Z	0.0179	0.0074	-0.0014	-0.0013	0.0201	-0.0037
AT.	35 O	X	-0.0037	0.0007	0.0074	0.0070	-0.0004	0.0132
		Y	0.0164	-0.0167	0.0103	0.0189	-0.0211	-0.0089
		Z	-0.0179	0.0074	0.0014	-0.0013	0.0201	-0.0037
AT.	36 O	X	-0.0037	0.0007	-0.0074	-0.0070	-0.0004	-0.0132
		Y	-0.0164	0.0167	0.0103	0.0189	0.0211	-0.0089
		Z	0.0179	-0.0074	0.0014	-0.0013	-0.0201	-0.0037
AT.	37 O	X	-0.0114	0.0147	-0.0048	-0.0016	0.0138	0.0150
		Y	-0.0036	0.0040	-0.0023	-0.0079	0.0138	-0.0168
		Z	0.0112	-0.0145	0.0074	0.0027	-0.0111	0.0023
AT.	38 O	X	-0.0114	0.0147	0.0048	0.0016	0.0138	-0.0150
		Y	0.0036	-0.0040	-0.0023	-0.0079	-0.0138	-0.0168
		Z	-0.0112	0.0145	0.0074	0.0027	0.0111	0.0023
AT.	39 O	X	-0.0114	-0.0147	0.0048	-0.0016	-0.0138	0.0150
		Y	0.0036	0.0040	-0.0023	0.0079	0.0138	0.0168
		Z	0.0112	0.0145	-0.0074	0.0027	0.0111	0.0023
AT.	40 O	X	-0.0114	-0.0147	-0.0048	0.0016	-0.0138	-0.0150
		Y	-0.0036	-0.0040	-0.0023	0.0079	-0.0138	0.0168
		Z	-0.0112	-0.0145	-0.0074	0.0027	-0.0111	0.0023
AT.	41 O	X	0.0085	-0.0162	0.0076	0.0029	-0.0168	-0.0220
		Y	0.0064	-0.0047	0.0008	0.0009	0.0006	-0.0042
		Z	-0.0067	0.0089	0.0026	0.0015	-0.0004	0.0115
AT.	42 O	X	0.0085	-0.0162	-0.0076	-0.0029	-0.0168	0.0220
		Y	-0.0064	0.0047	0.0008	0.0009	-0.0006	-0.0042
		Z	0.0067	-0.0089	0.0026	0.0015	0.0004	0.0115
AT.	43 O	X	0.0085	0.0162	-0.0076	0.0029	0.0168	-0.0220
		Y	-0.0064	-0.0047	0.0008	-0.0009	0.0006	0.0042
		Z	-0.0067	-0.0089	-0.0026	0.0015	0.0004	0.0115
AT.	44 O	X	0.0085	0.0162	0.0076	-0.0029	0.0168	0.0220
		Y	0.0064	0.0047	0.0008	-0.0009	-0.0006	0.0042
		Z	0.0067	0.0089	-0.0026	0.0015	-0.0004	0.0115
AT.	45 O	X	0.0205	-0.0185	-0.0121	0.0054	-0.0182	-0.0078
		Y	0.0067	-0.0013	-0.0056	0.0146	-0.0016	0.0201
		Z	0.0015	-0.0065	-0.0060	0.0030	-0.0006	-0.0138
AT.	46 O	X	0.0205	-0.0185	0.0121	-0.0054	-0.0182	0.0078
		Y	-0.0067	0.0013	-0.0056	0.0146	0.0016	0.0201
		Z	-0.0015	0.0065	-0.0060	0.0030	0.0006	-0.0138
AT.	47 O	X	0.0205	0.0185	0.0121	0.0054	0.0182	-0.0078
		Y	-0.0067	-0.0013	-0.0056	-0.0146	-0.0016	-0.0201

	Z	0.0015	0.0065	0.0060	0.0030	0.0006	-0.0138
AT. 48 O	X	0.0205	0.0185	-0.0121	-0.0054	0.0182	0.0078
	Y	0.0067	0.0013	-0.0056	-0.0146	0.0016	-0.0201
	Z	-0.0015	-0.0065	0.0060	0.0030	-0.0006	-0.0138

FREQ(CM**-1)	432.50	437.99	472.31	476.71	481.05	482.64
AT. 1 CA X	0.0047	0.0000	0.0000	-0.0062	0.0000	0.0009
Y	0.0000	-0.0011	-0.0006	0.0000	-0.0027	0.0000
Z	0.0000	0.0033	0.0022	0.0000	0.0026	0.0000
AT. 2 CA X	0.0047	0.0000	0.0000	0.0062	0.0000	0.0009
Y	0.0000	-0.0011	0.0006	0.0000	-0.0027	0.0000
Z	0.0000	-0.0033	0.0022	0.0000	-0.0026	0.0000
AT. 3 CA X	0.0000	-0.0049	0.0000	0.0000	0.0028	-0.0008
Y	0.0013	0.0016	0.0000	0.0000	-0.0003	0.0026
Z	0.0000	0.0000	0.0020	-0.0008	0.0000	0.0000
AT. 4 CA X	0.0000	0.0049	0.0000	0.0000	-0.0028	-0.0008
Y	-0.0013	0.0016	0.0000	0.0000	-0.0003	-0.0026
Z	0.0000	0.0000	0.0020	0.0008	0.0000	0.0000
AT. 5 CA X	0.0020	0.0036	0.0015	-0.0006	-0.0014	0.0013
Y	-0.0045	-0.0011	0.0007	-0.0005	-0.0017	0.0026
Z	-0.0069	0.0000	-0.0007	-0.0021	-0.0035	0.0032
AT. 6 CA X	0.0020	-0.0036	-0.0015	-0.0006	0.0014	0.0013
Y	0.0045	-0.0011	0.0007	0.0005	-0.0017	-0.0026
Z	0.0069	0.0000	-0.0007	0.0021	-0.0035	-0.0032
AT. 7 CA X	0.0020	-0.0036	0.0015	0.0006	0.0014	0.0013
Y	0.0045	-0.0011	-0.0007	-0.0005	-0.0017	-0.0026
Z	-0.0069	0.0000	-0.0007	0.0021	0.0035	0.0032
AT. 8 CA X	0.0020	0.0036	-0.0015	0.0006	-0.0014	0.0013
Y	-0.0045	-0.0011	-0.0007	0.0005	-0.0017	0.0026
Z	0.0069	0.0000	-0.0007	-0.0021	0.0035	-0.0032
AT. 9 CA X	-0.0006	-0.0049	-0.0026	-0.0028	-0.0008	0.0008
Y	0.0005	0.0012	-0.0006	0.0009	0.0018	-0.0042
Z	-0.0017	0.0057	0.0003	0.0056	-0.0022	0.0013
AT. 10 CA X	-0.0006	0.0049	0.0026	-0.0028	0.0008	0.0008
Y	-0.0005	0.0012	-0.0006	-0.0009	0.0018	0.0042
Z	0.0017	0.0057	0.0003	-0.0056	-0.0022	-0.0013
AT. 11 CA X	-0.0006	0.0049	-0.0026	0.0028	0.0008	0.0008
Y	-0.0005	0.0012	0.0006	0.0009	0.0018	0.0042
Z	-0.0017	-0.0057	0.0003	-0.0056	0.0022	0.0013
AT. 12 CA X	-0.0006	-0.0049	0.0026	0.0028	-0.0008	0.0008
Y	0.0005	0.0012	0.0006	-0.0009	0.0018	-0.0042
Z	0.0017	-0.0057	0.0003	0.0056	0.0022	-0.0013
AT. 13 SI X	0.0033	0.0024	0.0000	0.0000	-0.0119	-0.0034
Y	-0.0028	0.0033	0.0000	0.0000	0.0023	0.0001
Z	0.0000	0.0000	-0.0174	-0.0104	0.0000	0.0000
AT. 14 SI X	0.0033	-0.0024	0.0000	0.0000	0.0119	-0.0034
Y	0.0028	0.0033	0.0000	0.0000	0.0023	-0.0001
Z	0.0000	0.0000	-0.0174	0.0104	0.0000	0.0000
AT. 15 SI X	0.0078	-0.0106	-0.0007	-0.0017	-0.0001	-0.0040
Y	0.0008	0.0032	-0.0102	0.0098	0.0098	0.0130
Z	0.0042	0.0057	-0.0201	0.0123	0.0183	0.0011
AT. 16 SI X	0.0078	0.0106	0.0007	-0.0017	0.0001	-0.0040
Y	-0.0008	0.0032	-0.0102	-0.0098	0.0098	-0.0130
Z	-0.0042	0.0057	-0.0201	-0.0123	0.0183	-0.0011
AT. 17 SI X	0.0078	0.0106	-0.0007	0.0017	0.0001	-0.0040
Y	-0.0008	0.0032	0.0102	0.0098	0.0098	-0.0130
Z	0.0042	-0.0057	-0.0201	-0.0123	-0.0183	0.0011
AT. 18 SI X	0.0078	-0.0106	0.0007	0.0017	-0.0001	-0.0040
Y	0.0008	0.0032	0.0102	-0.0098	0.0098	0.0130
Z	-0.0042	-0.0057	-0.0201	0.0123	-0.0183	-0.0011

AT.	19	SI	X	-0.0024	0.0000	0.0000	0.0127	0.0000	0.0002
			Y	0.0000	0.0030	0.0162	0.0000	-0.0173	0.0000
			Z	0.0000	-0.0293	-0.0049	0.0000	0.0135	0.0000
AT.	20	SI	X	-0.0024	0.0000	0.0000	-0.0127	0.0000	0.0002
			Y	0.0000	0.0030	-0.0162	0.0000	-0.0173	0.0000
			Z	0.0000	0.0293	-0.0049	0.0000	-0.0135	0.0000
AT.	21	O	X	0.0085	-0.0028	0.0134	0.0097	0.0096	0.0013
			Y	-0.0166	-0.0042	-0.0041	0.0041	0.0018	0.0032
			Z	0.0049	0.0002	-0.0062	-0.0061	0.0096	0.0021
AT.	22	O	X	0.0085	0.0028	-0.0134	0.0097	-0.0096	0.0013
			Y	0.0166	-0.0042	-0.0041	-0.0041	0.0018	-0.0032
			Z	-0.0049	0.0002	-0.0062	0.0061	0.0096	-0.0021
AT.	23	O	X	0.0085	0.0028	0.0134	-0.0097	-0.0096	0.0013
			Y	0.0166	-0.0042	0.0041	0.0041	0.0018	-0.0032
			Z	0.0049	-0.0002	-0.0062	0.0061	-0.0096	0.0021
AT.	24	O	X	0.0085	-0.0028	-0.0134	-0.0097	0.0096	0.0013
			Y	-0.0166	-0.0042	0.0041	-0.0041	0.0018	0.0032
			Z	-0.0049	-0.0002	-0.0062	-0.0061	-0.0096	-0.0021
AT.	25	O	X	-0.0076	0.0057	0.0000	0.0000	-0.0112	-0.0007
			Y	0.0413	0.0072	0.0000	0.0000	-0.0032	-0.0121
			Z	0.0000	0.0000	0.0148	0.0116	0.0000	0.0000
AT.	26	O	X	-0.0076	-0.0057	0.0000	0.0000	0.0112	-0.0007
			Y	-0.0413	0.0072	0.0000	0.0000	-0.0032	0.0121
			Z	0.0000	0.0000	0.0148	-0.0116	0.0000	0.0000
AT.	27	O	X	-0.0229	-0.0044	0.0000	0.0000	0.0099	0.0043
			Y	-0.0029	0.0040	0.0000	0.0000	0.0035	-0.0013
			Z	0.0000	0.0000	0.0148	0.0079	0.0000	0.0000
AT.	28	O	X	-0.0229	0.0044	0.0000	0.0000	-0.0099	0.0043
			Y	0.0029	0.0040	0.0000	0.0000	0.0035	0.0013
			Z	0.0000	0.0000	0.0148	-0.0079	0.0000	0.0000
AT.	29	O	X	0.0068	0.0180	0.0052	-0.0063	-0.0073	0.0064
			Y	0.0203	-0.0240	0.0225	-0.0239	-0.0204	-0.0280
			Z	0.0096	0.0144	-0.0017	-0.0030	-0.0011	-0.0088
AT.	30	O	X	0.0068	-0.0180	-0.0052	-0.0063	0.0073	0.0064
			Y	-0.0203	-0.0240	0.0225	0.0239	-0.0204	0.0280
			Z	-0.0096	0.0144	-0.0017	0.0030	-0.0011	0.0088
AT.	31	O	X	0.0068	-0.0180	0.0052	0.0063	0.0073	0.0064
			Y	-0.0203	-0.0240	-0.0225	-0.0239	-0.0204	0.0280
			Z	0.0096	-0.0144	-0.0017	0.0030	0.0011	-0.0088
AT.	32	O	X	0.0068	0.0180	-0.0052	0.0063	-0.0073	0.0064
			Y	0.0203	-0.0240	-0.0225	0.0239	-0.0204	-0.0280
			Z	-0.0096	-0.0144	-0.0017	-0.0030	0.0011	0.0088
AT.	33	O	X	-0.0023	0.0089	0.0121	0.0123	0.0137	-0.0177
			Y	0.0293	0.0059	-0.0082	-0.0144	-0.0058	0.0215
			Z	0.0048	-0.0093	0.0153	0.0152	0.0216	-0.0007
AT.	34	O	X	-0.0023	-0.0089	-0.0121	0.0123	-0.0137	-0.0177
			Y	-0.0293	0.0059	-0.0082	0.0144	-0.0058	-0.0215
			Z	-0.0048	-0.0093	0.0153	-0.0152	0.0216	0.0007
AT.	35	O	X	-0.0023	-0.0089	0.0121	-0.0123	-0.0137	-0.0177
			Y	-0.0293	0.0059	0.0082	-0.0144	-0.0058	-0.0215
			Z	0.0048	0.0093	0.0153	-0.0152	-0.0216	-0.0007
AT.	36	O	X	-0.0023	0.0089	-0.0121	-0.0123	0.0137	-0.0177
			Y	0.0293	0.0059	0.0082	0.0144	-0.0058	0.0215
			Z	-0.0048	0.0093	0.0153	0.0152	-0.0216	0.0007
AT.	37	O	X	0.0140	-0.0104	-0.0158	0.0178	0.0190	0.0115
			Y	0.0079	0.0182	-0.0110	0.0238	0.0057	0.0307
			Z	-0.0074	-0.0012	-0.0019	0.0039	-0.0007	-0.0012
AT.	38	O	X	0.0140	0.0104	0.0158	0.0178	-0.0190	0.0115
			Y	-0.0079	0.0182	-0.0110	-0.0238	0.0057	-0.0307
			Z	0.0074	-0.0012	-0.0019	-0.0039	-0.0007	0.0012
AT.	39	O	X	0.0140	0.0104	-0.0158	-0.0178	-0.0190	0.0115

	Y	-0.0079	0.0182	0.0110	0.0238	0.0057	-0.0307
	Z	-0.0074	0.0012	-0.0019	-0.0039	0.0007	-0.0012
AT. 40 O	X	0.0140	-0.0104	0.0158	-0.0178	0.0190	0.0115
	Y	0.0079	0.0182	0.0110	-0.0238	0.0057	0.0307
	Z	0.0074	0.0012	-0.0019	0.0039	0.0007	0.0012
AT. 41 O	X	-0.0193	0.0194	0.0017	-0.0070	-0.0010	-0.0059
	Y	-0.0006	0.0041	-0.0081	0.0096	0.0080	0.0148
	Z	0.0010	-0.0155	0.0221	-0.0215	-0.0192	-0.0161
AT. 42 O	X	-0.0193	-0.0194	-0.0017	-0.0070	0.0010	-0.0059
	Y	0.0006	0.0041	-0.0081	-0.0096	0.0080	-0.0148
	Z	-0.0010	-0.0155	0.0221	0.0215	-0.0192	0.0161
AT. 43 O	X	-0.0193	-0.0194	0.0017	0.0070	0.0010	-0.0059
	Y	0.0006	0.0041	0.0081	0.0096	0.0080	-0.0148
	Z	0.0010	0.0155	0.0221	0.0215	0.0192	-0.0161
AT. 44 O	X	-0.0193	0.0194	-0.0017	0.0070	-0.0010	-0.0059
	Y	-0.0006	0.0041	0.0081	-0.0096	0.0080	0.0148
	Z	-0.0010	0.0155	0.0221	-0.0215	0.0192	0.0161
AT. 45 O	X	-0.0164	0.0142	-0.0094	-0.0065	0.0058	0.0068
	Y	-0.0077	-0.0176	-0.0048	-0.0096	0.0100	0.0001
	Z	-0.0004	0.0065	0.0081	-0.0036	-0.0094	0.0063
AT. 46 O	X	-0.0164	-0.0142	0.0094	-0.0065	-0.0058	0.0068
	Y	0.0077	-0.0176	-0.0048	0.0096	0.0100	-0.0001
	Z	0.0004	0.0065	0.0081	0.0036	-0.0094	-0.0063
AT. 47 O	X	-0.0164	-0.0142	-0.0094	0.0065	-0.0058	0.0068
	Y	0.0077	-0.0176	0.0048	-0.0096	0.0100	-0.0001
	Z	-0.0004	-0.0065	0.0081	0.0036	0.0094	0.0063
AT. 48 O	X	-0.0164	0.0142	0.0094	0.0065	0.0058	0.0068
	Y	-0.0077	-0.0176	0.0048	0.0096	0.0100	0.0001
	Z	0.0004	-0.0065	0.0081	-0.0036	0.0094	-0.0063

FREQ(CM**-1)	498.39	509.86	511.46	513.52	522.35	531.30
AT. 1 CA X	0.0006	-0.0015	0.0000	0.0000	0.0051	0.0011
Y	0.0000	0.0000	0.0004	-0.0017	0.0000	0.0000
Z	0.0000	0.0000	-0.0005	-0.0008	0.0000	0.0000
AT. 2 CA X	-0.0006	-0.0015	0.0000	0.0000	-0.0051	0.0011
Y	0.0000	0.0000	-0.0004	-0.0017	0.0000	0.0000
Z	0.0000	0.0000	-0.0005	0.0008	0.0000	0.0000
AT. 3 CA X	0.0000	-0.0022	0.0000	-0.0004	0.0000	-0.0046
Y	0.0000	0.0003	0.0000	0.0021	0.0000	-0.0008
Z	0.0032	0.0000	0.0040	0.0000	-0.0059	0.0000
AT. 4 CA X	0.0000	-0.0022	0.0000	0.0004	0.0000	-0.0046
Y	0.0000	-0.0003	0.0000	0.0021	0.0000	0.0008
Z	-0.0032	0.0000	0.0040	0.0000	0.0059	0.0000
AT. 5 CA X	-0.0016	0.0015	0.0020	-0.0027	0.0036	0.0020
Y	-0.0033	-0.0011	0.0015	-0.0014	-0.0005	-0.0001
Z	-0.0016	0.0014	-0.0011	0.0009	-0.0008	0.0015
AT. 6 CA X	-0.0016	0.0015	-0.0020	0.0027	0.0036	0.0020
Y	0.0033	0.0011	0.0015	-0.0014	0.0005	0.0001
Z	0.0016	-0.0014	-0.0011	0.0009	0.0008	-0.0015
AT. 7 CA X	0.0016	0.0015	0.0020	0.0027	-0.0036	0.0020
Y	-0.0033	0.0011	-0.0015	-0.0014	-0.0005	0.0001
Z	0.0016	0.0014	-0.0011	-0.0009	0.0008	0.0015
AT. 8 CA X	0.0016	0.0015	-0.0020	-0.0027	-0.0036	0.0020
Y	0.0033	-0.0011	-0.0015	-0.0014	0.0005	-0.0001
Z	-0.0016	-0.0014	-0.0011	-0.0009	-0.0008	-0.0015
AT. 9 CA X	-0.0032	-0.0022	-0.0013	-0.0004	0.0006	0.0001
Y	-0.0002	0.0002	-0.0029	-0.0005	0.0025	-0.0003
Z	-0.0048	0.0031	0.0007	-0.0011	0.0007	0.0042
AT. 10 CA X	-0.0032	-0.0022	0.0013	0.0004	0.0006	0.0001
Y	0.0002	-0.0002	-0.0029	-0.0005	-0.0025	0.0003

		Z	0.0048	-0.0031	0.0007	-0.0011	-0.0007	-0.0042
AT.	11	CA X	0.0032	-0.0022	-0.0013	0.0004	-0.0006	0.0001
		Y	-0.0002	-0.0002	0.0029	-0.0005	0.0025	0.0003
		Z	0.0048	0.0031	0.0007	0.0011	-0.0007	0.0042
AT.	12	CA X	0.0032	-0.0022	0.0013	-0.0004	-0.0006	0.0001
		Y	0.0002	0.0002	0.0029	-0.0005	-0.0025	-0.0003
		Z	-0.0048	-0.0031	0.0007	0.0011	0.0007	-0.0042
AT.	13	SI X	0.0000	0.0117	0.0000	0.0019	0.0000	0.0252
		Y	0.0000	0.0020	0.0000	0.0057	0.0000	0.0030
		Z	0.0217	0.0000	-0.0109	0.0000	0.0040	0.0000
AT.	14	SI X	0.0000	0.0117	0.0000	-0.0019	0.0000	0.0252
		Y	0.0000	-0.0020	0.0000	0.0057	0.0000	-0.0030
		Z	-0.0217	0.0000	-0.0109	0.0000	-0.0040	0.0000
AT.	15	SI X	-0.0124	0.0190	0.0075	0.0081	-0.0092	-0.0049
		Y	0.0086	0.0007	0.0153	0.0141	-0.0039	-0.0024
		Z	-0.0086	0.0023	-0.0067	-0.0065	0.0084	0.0013
AT.	16	SI X	-0.0124	0.0190	-0.0075	-0.0081	-0.0092	-0.0049
		Y	-0.0086	-0.0007	0.0153	0.0141	0.0039	0.0024
		Z	0.0086	-0.0023	-0.0067	-0.0065	-0.0084	-0.0013
AT.	17	SI X	0.0124	0.0190	0.0075	-0.0081	0.0092	-0.0049
		Y	0.0086	-0.0007	-0.0153	0.0141	-0.0039	0.0024
		Z	0.0086	0.0023	-0.0067	0.0065	-0.0084	0.0013
AT.	18	SI X	0.0124	0.0190	-0.0075	0.0081	0.0092	-0.0049
		Y	-0.0086	0.0007	-0.0153	0.0141	0.0039	-0.0024
		Z	-0.0086	-0.0023	-0.0067	0.0065	0.0084	-0.0013
AT.	19	SI X	0.0006	0.0084	0.0000	0.0000	0.0036	-0.0048
		Y	0.0000	0.0000	-0.0100	-0.0050	0.0000	0.0000
		Z	0.0000	0.0000	0.0023	0.0005	0.0000	0.0000
AT.	20	SI X	-0.0006	0.0084	0.0000	0.0000	-0.0036	-0.0048
		Y	0.0000	0.0000	0.0100	-0.0050	0.0000	0.0000
		Z	0.0000	0.0000	0.0023	-0.0005	0.0000	0.0000
AT.	21	O X	-0.0180	-0.0101	0.0105	-0.0026	0.0001	-0.0262
		Y	0.0093	-0.0011	-0.0035	-0.0033	-0.0059	-0.0060
		Z	0.0084	-0.0073	-0.0037	0.0031	0.0001	-0.0259
AT.	22	O X	-0.0180	-0.0101	-0.0105	0.0026	0.0001	-0.0262
		Y	-0.0093	0.0011	-0.0035	-0.0033	0.0059	0.0060
		Z	-0.0084	0.0073	-0.0037	0.0031	-0.0001	0.0259
AT.	23	O X	0.0180	-0.0101	0.0105	0.0026	-0.0001	-0.0262
		Y	0.0093	0.0011	0.0035	-0.0033	-0.0059	0.0060
		Z	-0.0084	-0.0073	-0.0037	-0.0031	-0.0001	-0.0259
AT.	24	O X	0.0180	-0.0101	-0.0105	-0.0026	-0.0001	-0.0262
		Y	-0.0093	-0.0011	0.0035	-0.0033	0.0059	-0.0060
		Z	0.0084	0.0073	-0.0037	-0.0031	0.0001	0.0259
AT.	25	O X	0.0000	0.0130	0.0000	0.0041	0.0000	0.0281
		Y	0.0000	-0.0037	0.0000	-0.0050	0.0000	0.0053
		Z	-0.0279	0.0000	0.0151	0.0000	-0.0018	0.0000
AT.	26	O X	0.0000	0.0130	0.0000	-0.0041	0.0000	0.0281
		Y	0.0000	0.0037	0.0000	-0.0050	0.0000	-0.0053
		Z	0.0279	0.0000	0.0151	0.0000	0.0018	0.0000
AT.	27	O X	0.0000	-0.0058	0.0000	0.0005	0.0000	-0.0254
		Y	0.0000	0.0023	0.0000	0.0075	0.0000	0.0023
		Z	-0.0195	0.0000	0.0087	0.0000	0.0031	0.0000
AT.	28	O X	0.0000	-0.0058	0.0000	-0.0005	0.0000	-0.0254
		Y	0.0000	-0.0023	0.0000	0.0075	0.0000	-0.0023
		Z	0.0195	0.0000	0.0087	0.0000	-0.0031	0.0000
AT.	29	O X	0.0180	-0.0209	0.0060	0.0043	0.0058	0.0018
		Y	-0.0142	-0.0010	-0.0124	-0.0096	-0.0002	-0.0043
		Z	-0.0021	-0.0184	-0.0232	-0.0232	0.0211	0.0118
AT.	30	O X	0.0180	-0.0209	-0.0060	-0.0043	0.0058	0.0018
		Y	0.0142	0.0010	-0.0124	-0.0096	0.0002	0.0043
		Z	0.0021	0.0184	-0.0232	-0.0232	-0.0211	-0.0118

AT. 31 O	X	-0.0180	-0.0209	0.0060	-0.0043	-0.0058	0.0018
	Y	-0.0142	0.0010	0.0124	-0.0096	-0.0002	0.0043
	Z	0.0021	-0.0184	-0.0232	0.0232	-0.0211	0.0118
AT. 32 O	X	-0.0180	-0.0209	-0.0060	0.0043	-0.0058	0.0018
	Y	0.0142	-0.0010	0.0124	-0.0096	0.0002	-0.0043
	Z	-0.0021	0.0184	-0.0232	0.0232	0.0211	-0.0118
AT. 33 O	X	0.0199	0.0152	-0.0064	0.0033	0.0083	-0.0025
	Y	-0.0096	0.0080	0.0268	-0.0285	0.0214	-0.0074
	Z	-0.0064	-0.0068	0.0140	-0.0153	0.0099	-0.0071
AT. 34 O	X	0.0199	0.0152	0.0064	-0.0033	0.0083	-0.0025
	Y	0.0096	-0.0080	0.0268	-0.0285	-0.0214	0.0074
	Z	0.0064	0.0068	0.0140	-0.0153	-0.0099	0.0071
AT. 35 O	X	-0.0199	0.0152	-0.0064	-0.0033	-0.0083	-0.0025
	Y	-0.0096	-0.0080	-0.0268	-0.0285	0.0214	0.0074
	Z	0.0064	-0.0068	0.0140	0.0153	-0.0099	-0.0071
AT. 36 O	X	-0.0199	0.0152	0.0064	0.0033	-0.0083	-0.0025
	Y	0.0096	0.0080	-0.0268	-0.0285	-0.0214	-0.0074
	Z	-0.0064	0.0068	0.0140	0.0153	0.0099	0.0071
AT. 37 O	X	0.0032	-0.0133	-0.0111	-0.0162	0.0186	0.0116
	Y	0.0087	0.0051	0.0043	0.0066	-0.0122	0.0063
	Z	-0.0104	0.0264	0.0128	0.0149	-0.0204	-0.0101
AT. 38 O	X	0.0032	-0.0133	0.0111	0.0162	0.0186	0.0116
	Y	-0.0087	-0.0051	0.0043	0.0066	0.0122	-0.0063
	Z	0.0104	-0.0264	0.0128	0.0149	0.0204	0.0101
AT. 39 O	X	-0.0032	-0.0133	-0.0111	0.0162	-0.0186	0.0116
	Y	0.0087	-0.0051	-0.0043	0.0066	-0.0122	-0.0063
	Z	0.0104	0.0264	0.0128	-0.0149	0.0204	-0.0101
AT. 40 O	X	-0.0032	-0.0133	0.0111	-0.0162	-0.0186	0.0116
	Y	-0.0087	0.0051	-0.0043	0.0066	0.0122	0.0063
	Z	-0.0104	-0.0264	0.0128	-0.0149	-0.0204	0.0101
AT. 41 O	X	0.0094	-0.0209	-0.0148	-0.0182	0.0231	0.0079
	Y	0.0110	-0.0010	0.0161	0.0143	-0.0036	-0.0021
	Z	-0.0005	-0.0056	0.0024	0.0028	-0.0027	-0.0072
AT. 42 O	X	0.0094	-0.0209	0.0148	0.0182	0.0231	0.0079
	Y	-0.0110	0.0010	0.0161	0.0143	0.0036	0.0021
	Z	0.0005	0.0056	0.0024	0.0028	0.0027	0.0072
AT. 43 O	X	-0.0094	-0.0209	-0.0148	0.0182	-0.0231	0.0079
	Y	0.0110	0.0010	-0.0161	0.0143	-0.0036	0.0021
	Z	0.0005	-0.0056	0.0024	-0.0028	0.0027	-0.0072
AT. 44 O	X	-0.0094	-0.0209	0.0148	-0.0182	-0.0231	0.0079
	Y	-0.0110	-0.0010	-0.0161	0.0143	0.0036	-0.0021
	Z	-0.0005	0.0056	0.0024	-0.0028	-0.0027	0.0072
AT. 45 O	X	0.0119	0.0018	0.0087	0.0125	-0.0197	-0.0040
	Y	0.0051	-0.0058	-0.0006	-0.0017	-0.0065	0.0016
	Z	0.0024	0.0024	0.0014	0.0038	-0.0104	-0.0007
AT. 46 O	X	0.0119	0.0018	-0.0087	-0.0125	-0.0197	-0.0040
	Y	-0.0051	0.0058	-0.0006	-0.0017	0.0065	-0.0016
	Z	-0.0024	-0.0024	0.0014	0.0038	0.0104	0.0007
AT. 47 O	X	-0.0119	0.0018	0.0087	-0.0125	0.0197	-0.0040
	Y	0.0051	0.0058	0.0006	-0.0017	-0.0065	-0.0016
	Z	-0.0024	0.0024	0.0014	-0.0038	0.0104	-0.0007
AT. 48 O	X	-0.0119	0.0018	-0.0087	0.0125	0.0197	-0.0040
	Y	-0.0051	-0.0058	0.0006	-0.0017	0.0065	0.0016
	Z	0.0024	-0.0024	0.0014	-0.0038	-0.0104	0.0007

FREQ(CM**-1)	533.88	539.94	548.56	556.18	565.71	567.77

AT. 1 CA	X	0.0000	0.0000	-0.0001	0.0002	0.0003	0.0000
	Y	-0.0002	0.0003	0.0000	0.0000	0.0000	0.0001
	Z	-0.0002	0.0032	0.0000	0.0000	0.0000	0.0010
AT. 2 CA	X	0.0000	0.0000	-0.0001	-0.0002	0.0003	0.0000

		Y	-0.0002	-0.0003	0.0000	0.0000	0.0000	0.0001
		Z	0.0002	0.0032	0.0000	0.0000	0.0000	-0.0010
AT.	3 CA	X	0.0042	0.0000	-0.0026	0.0000	-0.0005	0.0003
		Y	0.0014	0.0000	0.0015	0.0000	-0.0034	-0.0004
		Z	0.0000	-0.0064	0.0000	-0.0015	0.0000	0.0000
AT.	4 CA	X	-0.0042	0.0000	-0.0026	0.0000	-0.0005	-0.0003
		Y	0.0014	0.0000	-0.0015	0.0000	0.0034	-0.0004
		Z	0.0000	-0.0064	0.0000	0.0015	0.0000	0.0000
AT.	5 CA	X	0.0039	-0.0001	0.0011	0.0001	-0.0006	-0.0005
		Y	-0.0017	0.0008	0.0008	0.0011	-0.0028	-0.0028
		Z	-0.0016	-0.0018	-0.0036	0.0019	-0.0024	-0.0002
AT.	6 CA	X	-0.0039	0.0001	0.0011	0.0001	-0.0006	0.0005
		Y	-0.0017	0.0008	-0.0008	-0.0011	0.0028	-0.0028
		Z	-0.0016	-0.0018	0.0036	-0.0019	0.0024	-0.0002
AT.	7 CA	X	-0.0039	-0.0001	0.0011	-0.0001	-0.0006	0.0005
		Y	-0.0017	-0.0008	-0.0008	0.0011	0.0028	-0.0028
		Z	0.0016	-0.0018	-0.0036	-0.0019	-0.0024	0.0002
AT.	8 CA	X	0.0039	0.0001	0.0011	-0.0001	-0.0006	-0.0005
		Y	-0.0017	-0.0008	0.0008	-0.0011	-0.0028	-0.0028
		Z	0.0016	-0.0018	0.0036	0.0019	0.0024	0.0002
AT.	9 CA	X	0.0006	0.0008	-0.0015	0.0056	0.0008	-0.0005
		Y	0.0002	0.0002	-0.0036	0.0014	0.0018	0.0017
		Z	0.0018	0.0028	-0.0033	-0.0012	-0.0041	-0.0033
AT.	10 CA	X	-0.0006	-0.0008	-0.0015	0.0056	0.0008	0.0005
		Y	0.0002	0.0002	0.0036	-0.0014	-0.0018	0.0017
		Z	0.0018	0.0028	0.0033	0.0012	0.0041	-0.0033
AT.	11 CA	X	-0.0006	0.0008	-0.0015	-0.0056	0.0008	0.0005
		Y	0.0002	-0.0002	0.0036	0.0014	-0.0018	0.0017
		Z	-0.0018	0.0028	-0.0033	0.0012	-0.0041	0.0033
AT.	12 CA	X	0.0006	-0.0008	-0.0015	-0.0056	0.0008	-0.0005
		Y	0.0002	-0.0002	-0.0036	-0.0014	0.0018	0.0017
		Z	-0.0018	0.0028	0.0033	-0.0012	0.0041	0.0033
AT.	13 SI	X	0.0178	0.0000	0.0079	0.0000	-0.0022	-0.0048
		Y	0.0028	0.0000	-0.0049	0.0000	0.0284	0.0246
		Z	0.0000	-0.0137	0.0000	0.0159	0.0000	0.0000
AT.	14 SI	X	-0.0178	0.0000	0.0079	0.0000	-0.0022	0.0048
		Y	0.0028	0.0000	0.0049	0.0000	-0.0284	0.0246
		Z	0.0000	-0.0137	0.0000	-0.0159	0.0000	0.0000
AT.	15 SI	X	-0.0038	-0.0088	-0.0008	0.0062	-0.0001	-0.0052
		Y	0.0059	0.0025	0.0065	-0.0065	0.0016	0.0014
		Z	-0.0037	0.0027	-0.0114	0.0088	-0.0006	-0.0039
AT.	16 SI	X	0.0038	0.0088	-0.0008	0.0062	-0.0001	0.0052
		Y	0.0059	0.0025	-0.0065	0.0065	-0.0016	0.0014
		Z	-0.0037	0.0027	0.0114	-0.0088	0.0006	-0.0039
AT.	17 SI	X	0.0038	-0.0088	-0.0008	-0.0062	-0.0001	0.0052
		Y	0.0059	-0.0025	-0.0065	-0.0065	-0.0016	0.0014
		Z	0.0037	0.0027	-0.0114	-0.0088	-0.0006	0.0039
AT.	18 SI	X	-0.0038	0.0088	-0.0008	-0.0062	-0.0001	-0.0052
		Y	0.0059	-0.0025	0.0065	0.0065	0.0016	0.0014
		Z	0.0037	0.0027	0.0114	0.0088	0.0006	0.0039
AT.	19 SI	X	0.0000	0.0000	-0.0064	0.0014	-0.0024	0.0000
		Y	-0.0067	-0.0076	0.0000	0.0000	0.0000	0.0023
		Z	0.0144	0.0142	0.0000	0.0000	0.0000	0.0045
AT.	20 SI	X	0.0000	0.0000	-0.0064	-0.0014	-0.0024	0.0000
		Y	-0.0067	0.0076	0.0000	0.0000	0.0000	0.0023
		Z	-0.0144	0.0142	0.0000	0.0000	0.0000	-0.0045
AT.	21 O	X	-0.0256	0.0213	-0.0065	-0.0227	-0.0074	-0.0002
		Y	-0.0077	-0.0096	0.0029	0.0040	-0.0303	-0.0244
		Z	-0.0254	-0.0086	-0.0140	0.0074	0.0180	0.0229
AT.	22 O	X	0.0256	-0.0213	-0.0065	-0.0227	-0.0074	0.0002
		Y	-0.0077	-0.0096	-0.0029	-0.0040	0.0303	-0.0244

		Z	-0.0254	-0.0086	0.0140	-0.0074	-0.0180	0.0229
AT.	23 O	X	0.0256	0.0213	-0.0065	0.0227	-0.0074	0.0002
		Y	-0.0077	0.0096	-0.0029	0.0040	0.0303	-0.0244
		Z	0.0254	-0.0086	-0.0140	-0.0074	0.0180	-0.0229
AT.	24 O	X	-0.0256	-0.0213	-0.0065	0.0227	-0.0074	-0.0002
		Y	-0.0077	0.0096	0.0029	-0.0040	-0.0303	-0.0244
		Z	0.0254	-0.0086	0.0140	0.0074	-0.0180	-0.0229
AT.	25 O	X	0.0279	0.0000	0.0059	0.0000	0.0185	0.0092
		Y	0.0109	0.0000	0.0085	0.0000	-0.0264	-0.0278
		Z	0.0000	0.0346	0.0000	-0.0344	0.0000	0.0000
AT.	26 O	X	-0.0279	0.0000	0.0059	0.0000	0.0185	-0.0092
		Y	0.0109	0.0000	-0.0085	0.0000	0.0264	-0.0278
		Z	0.0000	0.0346	0.0000	0.0344	0.0000	0.0000
AT.	27 O	X	-0.0264	0.0000	-0.0104	0.0000	-0.0022	0.0061
		Y	0.0028	0.0000	-0.0061	0.0000	0.0335	0.0286
		Z	0.0000	0.0258	0.0000	-0.0231	0.0000	0.0000
AT.	28 O	X	0.0264	0.0000	-0.0104	0.0000	-0.0022	-0.0061
		Y	0.0028	0.0000	0.0061	0.0000	-0.0335	0.0286
		Z	0.0000	0.0258	0.0000	0.0231	0.0000	0.0000
AT.	29 O	X	0.0035	0.0019	0.0172	-0.0188	0.0036	0.0105
		Y	-0.0094	-0.0046	0.0014	0.0042	0.0012	0.0033
		Z	-0.0026	0.0058	-0.0115	-0.0006	-0.0012	0.0036
AT.	30 O	X	-0.0035	-0.0019	0.0172	-0.0188	0.0036	-0.0105
		Y	-0.0094	-0.0046	-0.0014	-0.0042	-0.0012	0.0033
		Z	-0.0026	0.0058	0.0115	0.0006	0.0012	0.0036
AT.	31 O	X	-0.0035	0.0019	0.0172	0.0188	0.0036	-0.0105
		Y	-0.0094	0.0046	-0.0014	0.0042	-0.0012	0.0033
		Z	0.0026	0.0058	-0.0115	0.0006	-0.0012	-0.0036
AT.	32 O	X	0.0035	-0.0019	0.0172	0.0188	0.0036	0.0105
		Y	-0.0094	0.0046	0.0014	-0.0042	0.0012	0.0033
		Z	0.0026	0.0058	0.0115	-0.0006	0.0012	-0.0036
AT.	33 O	X	0.0112	-0.0110	-0.0024	-0.0110	-0.0015	0.0064
		Y	-0.0011	-0.0027	0.0108	0.0064	0.0049	0.0025
		Z	0.0026	-0.0108	0.0267	0.0155	0.0054	-0.0058
AT.	34 O	X	-0.0112	0.0110	-0.0024	-0.0110	-0.0015	-0.0064
		Y	-0.0011	-0.0027	-0.0108	-0.0064	-0.0049	0.0025
		Z	0.0026	-0.0108	-0.0267	-0.0155	-0.0054	-0.0058
AT.	35 O	X	-0.0112	-0.0110	-0.0024	0.0110	-0.0015	-0.0064
		Y	-0.0011	0.0027	-0.0108	0.0064	-0.0049	0.0025
		Z	-0.0026	-0.0108	0.0267	-0.0155	0.0054	0.0058
AT.	36 O	X	0.0112	0.0110	-0.0024	0.0110	-0.0015	0.0064
		Y	-0.0011	0.0027	0.0108	-0.0064	0.0049	0.0025
		Z	-0.0026	-0.0108	-0.0267	0.0155	-0.0054	0.0058
AT.	37 O	X	0.0121	0.0208	-0.0174	0.0040	-0.0023	0.0037
		Y	-0.0066	-0.0081	-0.0096	0.0088	-0.0028	-0.0114
		Z	-0.0031	-0.0062	-0.0001	0.0110	-0.0019	-0.0083
AT.	38 O	X	-0.0121	-0.0208	-0.0174	0.0040	-0.0023	-0.0037
		Y	-0.0066	-0.0081	0.0096	-0.0088	0.0028	-0.0114
		Z	-0.0031	-0.0062	0.0001	-0.0110	0.0019	-0.0083
AT.	39 O	X	-0.0121	0.0208	-0.0174	-0.0040	-0.0023	-0.0037
		Y	-0.0066	0.0081	0.0096	0.0088	0.0028	-0.0114
		Z	0.0031	-0.0062	-0.0001	-0.0110	-0.0019	0.0083
AT.	40 O	X	0.0121	-0.0208	-0.0174	-0.0040	-0.0023	0.0037
		Y	-0.0066	0.0081	-0.0096	-0.0088	-0.0028	-0.0114
		Z	0.0031	-0.0062	0.0001	0.0110	0.0019	0.0083
AT.	41 O	X	0.0055	0.0083	-0.0025	-0.0090	0.0009	0.0076
		Y	0.0069	0.0030	0.0082	-0.0080	0.0008	0.0038
		Z	-0.0013	-0.0049	0.0168	-0.0100	0.0048	0.0064
AT.	42 O	X	-0.0055	-0.0083	-0.0025	-0.0090	0.0009	-0.0076
		Y	0.0069	0.0030	-0.0082	0.0080	-0.0008	0.0038
		Z	-0.0013	-0.0049	-0.0168	0.0100	-0.0048	0.0064

AT. 43 O	X	-0.0055	0.0083	-0.0025	0.0090	0.0009	-0.0076
	Y	0.0069	-0.0030	-0.0082	-0.0080	-0.0008	0.0038
	Z	0.0013	-0.0049	0.0168	0.0100	0.0048	-0.0064
AT. 44 O	X	0.0055	-0.0083	-0.0025	0.0090	0.0009	0.0076
	Y	0.0069	-0.0030	0.0082	0.0080	0.0008	0.0038
	Z	0.0013	-0.0049	-0.0168	-0.0100	-0.0048	-0.0064
AT. 45 O	X	-0.0086	-0.0127	0.0182	-0.0075	0.0023	-0.0090
	Y	0.0068	0.0100	0.0092	-0.0071	0.0017	0.0029
	Z	-0.0050	-0.0091	0.0097	-0.0011	0.0024	-0.0005
AT. 46 O	X	0.0086	0.0127	0.0182	-0.0075	0.0023	0.0090
	Y	0.0068	0.0100	-0.0092	0.0071	-0.0017	0.0029
	Z	-0.0050	-0.0091	-0.0097	0.0011	-0.0024	-0.0005
AT. 47 O	X	0.0086	-0.0127	0.0182	0.0075	0.0023	0.0090
	Y	0.0068	-0.0100	-0.0092	-0.0071	-0.0017	0.0029
	Z	0.0050	-0.0091	0.0097	0.0011	0.0024	0.0005
AT. 48 O	X	-0.0086	0.0127	0.0182	0.0075	0.0023	-0.0090
	Y	0.0068	-0.0100	0.0092	0.0071	0.0017	0.0029
	Z	0.0050	-0.0091	-0.0097	-0.0011	-0.0024	0.0005

FREQ(CM**-1)	568.30	577.01	578.69	587.70	668.57	679.24
AT. 1 CA X	0.0000	0.0000	0.0021	-0.0010	0.0037	-0.0013
Y	0.0013	-0.0002	0.0000	0.0000	0.0000	0.0000
Z	0.0002	0.0021	0.0000	0.0000	0.0000	0.0000
AT. 2 CA X	0.0000	0.0000	0.0021	0.0010	0.0037	0.0013
Y	-0.0013	-0.0002	0.0000	0.0000	0.0000	0.0000
Z	0.0002	-0.0021	0.0000	0.0000	0.0000	0.0000
AT. 3 CA X	0.0000	-0.0068	0.0008	0.0000	0.0005	0.0000
Y	0.0000	0.0008	-0.0009	0.0000	0.0001	0.0000
Z	0.0031	0.0000	0.0000	0.0004	0.0000	-0.0007
AT. 4 CA X	0.0000	0.0068	0.0008	0.0000	0.0005	0.0000
Y	0.0000	0.0008	0.0009	0.0000	-0.0001	0.0000
Z	0.0031	0.0000	0.0000	-0.0004	0.0000	0.0007
AT. 5 CA X	-0.0002	0.0004	0.0000	0.0006	-0.0003	0.0000
Y	0.0016	-0.0001	-0.0017	-0.0006	0.0002	-0.0001
Z	0.0003	0.0022	-0.0007	0.0025	0.0002	0.0000
AT. 6 CA X	0.0002	-0.0004	0.0000	0.0006	-0.0003	0.0000
Y	0.0016	-0.0001	0.0017	0.0006	-0.0002	0.0001
Z	0.0003	0.0022	0.0007	-0.0025	-0.0002	0.0000
AT. 7 CA X	-0.0002	-0.0004	0.0000	-0.0006	-0.0003	0.0000
Y	-0.0016	-0.0001	0.0017	-0.0006	-0.0002	-0.0001
Z	0.0003	-0.0022	-0.0007	-0.0025	0.0002	0.0000
AT. 8 CA X	0.0002	0.0004	0.0000	-0.0006	-0.0003	0.0000
Y	-0.0016	-0.0001	-0.0017	0.0006	0.0002	0.0001
Z	0.0003	-0.0022	0.0007	0.0025	-0.0002	0.0000
AT. 9 CA X	0.0022	-0.0036	-0.0028	0.0038	-0.0017	-0.0013
Y	-0.0012	-0.0012	-0.0016	0.0021	-0.0020	-0.0022
Z	-0.0031	0.0002	-0.0040	0.0025	0.0002	-0.0006
AT. 10 CA X	-0.0022	0.0036	-0.0028	0.0038	-0.0017	-0.0013
Y	-0.0012	-0.0012	0.0016	-0.0021	0.0020	0.0022
Z	-0.0031	0.0002	0.0040	-0.0025	-0.0002	0.0006
AT. 11 CA X	0.0022	0.0036	-0.0028	-0.0038	-0.0017	0.0013
Y	0.0012	-0.0012	0.0016	0.0021	0.0020	-0.0022
Z	-0.0031	-0.0002	-0.0040	-0.0025	0.0002	0.0006
AT. 12 CA X	-0.0022	-0.0036	-0.0028	-0.0038	-0.0017	0.0013
Y	0.0012	-0.0012	-0.0016	-0.0021	-0.0020	0.0022
Z	-0.0031	-0.0002	0.0040	0.0025	-0.0002	-0.0006
AT. 13 SI X	0.0000	-0.0060	-0.0023	0.0000	0.0010	0.0000
Y	0.0000	-0.0143	-0.0003	0.0000	-0.0008	0.0000
Z	0.0097	0.0000	0.0000	0.0022	0.0000	-0.0011
AT. 14 SI X	0.0000	0.0060	-0.0023	0.0000	0.0010	0.0000

	Y	0.0000	-0.0143	0.0003	0.0000	0.0008	0.0000
	Z	0.0097	0.0000	0.0000	-0.0022	0.0000	0.0011
AT. 15 SI	X	-0.0107	-0.0078	-0.0009	0.0040	0.0097	0.0089
	Y	0.0076	0.0071	-0.0118	0.0118	0.0092	0.0086
	Z	-0.0100	-0.0083	-0.0006	0.0032	0.0154	0.0144
AT. 16 SI	X	0.0107	0.0078	-0.0009	0.0040	0.0097	0.0089
	Y	0.0076	0.0071	0.0118	-0.0118	-0.0092	-0.0086
	Z	-0.0100	-0.0083	0.0006	-0.0032	-0.0154	-0.0144
AT. 17 SI	X	-0.0107	0.0078	-0.0009	-0.0040	0.0097	-0.0089
	Y	-0.0076	0.0071	0.0118	0.0118	-0.0092	0.0086
	Z	-0.0100	0.0083	-0.0006	-0.0032	0.0154	-0.0144
AT. 18 SI	X	0.0107	-0.0078	-0.0009	-0.0040	0.0097	-0.0089
	Y	-0.0076	0.0071	-0.0118	-0.0118	0.0092	-0.0086
	Z	-0.0100	0.0083	0.0006	0.0032	-0.0154	0.0144
AT. 19 SI	X	0.0000	0.0000	-0.0210	0.0136	-0.0196	-0.0193
	Y	0.0007	-0.0002	0.0000	0.0000	0.0000	0.0000
	Z	0.0134	0.0095	0.0000	0.0000	0.0000	0.0000
AT. 20 SI	X	0.0000	0.0000	-0.0210	-0.0136	-0.0196	0.0193
	Y	-0.0007	-0.0002	0.0000	0.0000	0.0000	0.0000
	Z	0.0134	-0.0095	0.0000	0.0000	0.0000	0.0000
AT. 21 O	X	-0.0128	0.0125	0.0031	-0.0050	0.0003	-0.0025
	Y	0.0029	0.0167	0.0000	0.0018	0.0024	0.0024
	Z	0.0049	0.0019	0.0030	0.0005	0.0019	0.0011
AT. 22 O	X	0.0128	-0.0125	0.0031	-0.0050	0.0003	-0.0025
	Y	0.0029	0.0167	0.0000	-0.0018	-0.0024	-0.0024
	Z	0.0049	0.0019	-0.0030	-0.0005	-0.0019	-0.0011
AT. 23 O	X	-0.0128	-0.0125	0.0031	0.0050	0.0003	0.0025
	Y	-0.0029	0.0167	0.0000	0.0018	-0.0024	0.0024
	Z	0.0049	-0.0019	0.0030	-0.0005	0.0019	-0.0011
AT. 24 O	X	0.0128	0.0125	0.0031	0.0050	0.0003	0.0025
	Y	-0.0029	0.0167	0.0000	-0.0018	0.0024	-0.0024
	Z	0.0049	-0.0019	-0.0030	0.0005	-0.0019	0.0011
AT. 25 O	X	0.0000	-0.0171	-0.0030	0.0000	-0.0017	0.0000
	Y	0.0000	0.0124	0.0013	0.0000	-0.0011	0.0000
	Z	-0.0200	0.0000	0.0000	-0.0073	0.0000	-0.0030
AT. 26 O	X	0.0000	0.0171	-0.0030	0.0000	-0.0017	0.0000
	Y	0.0000	0.0124	-0.0013	0.0000	0.0011	0.0000
	Z	-0.0200	0.0000	0.0000	0.0073	0.0000	0.0030
AT. 27 O	X	0.0000	0.0098	0.0029	0.0000	0.0014	0.0000
	Y	0.0000	-0.0155	0.0008	0.0000	-0.0016	0.0000
	Z	-0.0138	0.0000	0.0000	-0.0034	0.0000	-0.0018
AT. 28 O	X	0.0000	-0.0098	0.0029	0.0000	0.0014	0.0000
	Y	0.0000	-0.0155	-0.0008	0.0000	0.0016	0.0000
	Z	-0.0138	0.0000	0.0000	0.0034	0.0000	0.0018
AT. 29 O	X	0.0191	0.0195	-0.0060	0.0025	-0.0081	-0.0073
	Y	-0.0049	-0.0072	0.0098	-0.0054	-0.0079	-0.0071
	Z	-0.0025	-0.0018	0.0060	-0.0127	0.0039	0.0045
AT. 30 O	X	-0.0191	-0.0195	-0.0060	0.0025	-0.0081	-0.0073
	Y	-0.0049	-0.0072	-0.0098	0.0054	0.0079	0.0071
	Z	-0.0025	-0.0018	-0.0060	0.0127	-0.0039	-0.0045
AT. 31 O	X	0.0191	-0.0195	-0.0060	-0.0025	-0.0081	0.0073
	Y	0.0049	-0.0072	-0.0098	-0.0054	0.0079	-0.0071
	Z	-0.0025	0.0018	0.0060	0.0127	0.0039	-0.0045
AT. 32 O	X	-0.0191	0.0195	-0.0060	-0.0025	-0.0081	0.0073
	Y	0.0049	-0.0072	0.0098	0.0054	-0.0079	0.0071
	Z	-0.0025	0.0018	-0.0060	-0.0127	-0.0039	0.0045
AT. 33 O	X	-0.0158	0.0147	0.0130	0.0037	0.0046	-0.0033
	Y	0.0045	-0.0057	-0.0080	-0.0102	0.0045	-0.0066
	Z	0.0138	-0.0136	0.0009	-0.0067	-0.0072	0.0078
AT. 34 O	X	0.0158	-0.0147	0.0130	0.0037	0.0046	-0.0033
	Y	0.0045	-0.0057	0.0080	0.0102	-0.0045	0.0066

	Z	0.0138	-0.0136	-0.0009	0.0067	0.0072	-0.0078
AT. 35 O	X	-0.0158	-0.0147	0.0130	-0.0037	0.0046	0.0033
	Y	-0.0045	-0.0057	0.0080	-0.0102	-0.0045	-0.0066
	Z	0.0138	0.0136	0.0009	0.0067	-0.0072	-0.0078
AT. 36 O	X	0.0158	0.0147	0.0130	-0.0037	0.0046	0.0033
	Y	-0.0045	-0.0057	-0.0080	0.0102	0.0045	0.0066
	Z	0.0138	0.0136	-0.0009	-0.0067	0.0072	0.0078
AT. 37 O	X	0.0052	0.0031	0.0014	-0.0073	0.0043	0.0035
	Y	-0.0182	-0.0146	0.0277	-0.0319	-0.0257	-0.0221
	Z	-0.0114	-0.0103	-0.0037	0.0111	-0.0119	-0.0139
AT. 38 O	X	-0.0052	-0.0031	0.0014	-0.0073	0.0043	0.0035
	Y	-0.0182	-0.0146	-0.0277	0.0319	0.0257	0.0221
	Z	-0.0114	-0.0103	0.0037	-0.0111	0.0119	0.0139
AT. 39 O	X	0.0052	-0.0031	0.0014	0.0073	0.0043	-0.0035
	Y	0.0182	-0.0146	-0.0277	-0.0319	0.0257	-0.0221
	Z	-0.0114	0.0103	-0.0037	-0.0111	-0.0119	0.0139
AT. 40 O	X	-0.0052	0.0031	0.0014	0.0073	0.0043	-0.0035
	Y	0.0182	-0.0146	0.0277	0.0319	-0.0257	0.0221
	Z	-0.0114	0.0103	0.0037	0.0111	0.0119	-0.0139
AT. 41 O	X	0.0132	0.0121	-0.0072	-0.0021	-0.0030	-0.0029
	Y	0.0109	0.0092	-0.0128	0.0127	0.0102	0.0092
	Z	0.0130	0.0118	-0.0030	0.0070	-0.0063	-0.0064
AT. 42 O	X	-0.0132	-0.0121	-0.0072	-0.0021	-0.0030	-0.0029
	Y	0.0109	0.0092	0.0128	-0.0127	-0.0102	-0.0092
	Z	0.0130	0.0118	0.0030	-0.0070	0.0063	0.0064
AT. 43 O	X	0.0132	-0.0121	-0.0072	0.0021	-0.0030	0.0029
	Y	-0.0109	0.0092	0.0128	0.0127	-0.0102	0.0092
	Z	0.0130	-0.0118	-0.0030	-0.0070	-0.0063	0.0064
AT. 44 O	X	-0.0132	0.0121	-0.0072	0.0021	-0.0030	0.0029
	Y	-0.0109	0.0092	-0.0128	-0.0127	0.0102	-0.0092
	Z	0.0130	-0.0118	0.0030	0.0070	0.0063	-0.0064
AT. 45 O	X	-0.0142	-0.0108	0.0211	-0.0186	0.0008	0.0058
	Y	0.0063	0.0057	0.0163	-0.0138	0.0182	0.0205
	Z	-0.0008	-0.0008	0.0197	-0.0173	0.0126	0.0157
AT. 46 O	X	0.0142	0.0108	0.0211	-0.0186	0.0008	0.0058
	Y	0.0063	0.0057	-0.0163	0.0138	-0.0182	-0.0205
	Z	-0.0008	-0.0008	-0.0197	0.0173	-0.0126	-0.0157
AT. 47 O	X	-0.0142	0.0108	0.0211	0.0186	0.0008	-0.0058
	Y	-0.0063	0.0057	-0.0163	-0.0138	-0.0182	0.0205
	Z	-0.0008	0.0008	0.0197	0.0173	0.0126	-0.0157
AT. 48 O	X	0.0142	-0.0108	0.0211	0.0186	0.0008	-0.0058
	Y	-0.0063	0.0057	0.0163	0.0138	0.0182	-0.0205
	Z	-0.0008	0.0008	-0.0197	-0.0173	-0.0126	0.0157

FREQ(CM**-1)	708.05	709.90	820.75	821.40	824.47	830.58
AT. 1 CA X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Y	0.0019	0.0008	0.0002	0.0000	0.0002	-0.0001
Z	0.0000	0.0004	0.0002	0.0000	0.0005	-0.0003
AT. 2 CA X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Y	-0.0019	0.0008	0.0002	0.0000	-0.0002	-0.0001
Z	0.0000	-0.0004	-0.0002	0.0000	0.0005	0.0003
AT. 3 CA X	0.0000	-0.0014	-0.0015	0.0005	0.0000	-0.0017
Y	0.0000	0.0001	0.0002	-0.0008	0.0000	-0.0001
Z	-0.0010	0.0000	0.0000	0.0000	0.0000	0.0000
AT. 4 CA X	0.0000	0.0014	0.0015	0.0005	0.0000	0.0017
Y	0.0000	0.0001	0.0002	0.0008	0.0000	-0.0001
Z	-0.0010	0.0000	0.0000	0.0000	0.0000	0.0000
AT. 5 CA X	-0.0005	-0.0004	0.0004	-0.0009	-0.0003	0.0010
Y	0.0002	0.0001	-0.0002	-0.0001	-0.0005	0.0005
Z	-0.0007	-0.0005	0.0004	-0.0006	-0.0002	0.0010

AT.	6	CA	X	0.0005	0.0004	-0.0004	-0.0009	0.0003	-0.0010
			Y	0.0002	0.0001	-0.0002	0.0001	-0.0005	0.0005
			Z	-0.0007	-0.0005	0.0004	0.0006	-0.0002	0.0010
AT.	7	CA	X	-0.0005	0.0004	-0.0004	-0.0009	-0.0003	-0.0010
			Y	-0.0002	0.0001	-0.0002	0.0001	0.0005	0.0005
			Z	-0.0007	0.0005	-0.0004	-0.0006	-0.0002	-0.0010
AT.	8	CA	X	0.0005	-0.0004	0.0004	-0.0009	0.0003	0.0010
			Y	-0.0002	0.0001	-0.0002	-0.0001	0.0005	0.0005
			Z	-0.0007	0.0005	-0.0004	0.0006	-0.0002	-0.0010
AT.	9	CA	X	-0.0006	-0.0011	-0.0003	0.0005	0.0002	-0.0003
			Y	-0.0015	0.0015	-0.0003	0.0005	-0.0001	-0.0006
			Z	0.0009	-0.0007	0.0005	-0.0013	0.0005	0.0015
AT.	10	CA	X	0.0006	0.0011	0.0003	0.0005	-0.0002	0.0003
			Y	-0.0015	0.0015	-0.0003	-0.0005	-0.0001	-0.0006
			Z	0.0009	-0.0007	0.0005	0.0013	0.0005	0.0015
AT.	11	CA	X	-0.0006	0.0011	0.0003	0.0005	0.0002	0.0003
			Y	0.0015	0.0015	-0.0003	-0.0005	0.0001	-0.0006
			Z	0.0009	0.0007	-0.0005	-0.0013	0.0005	-0.0015
AT.	12	CA	X	0.0006	-0.0011	-0.0003	0.0005	-0.0002	-0.0003
			Y	0.0015	0.0015	-0.0003	0.0005	0.0001	-0.0006
			Z	0.0009	0.0007	-0.0005	0.0013	0.0005	-0.0015
AT.	13	SI	X	0.0000	0.0003	0.0111	-0.0139	0.0000	0.0004
			Y	0.0000	0.0003	-0.0009	0.0005	0.0000	-0.0026
			Z	-0.0003	0.0000	0.0000	0.0000	0.0074	0.0000
AT.	14	SI	X	0.0000	-0.0003	-0.0111	-0.0139	0.0000	-0.0004
			Y	0.0000	0.0003	-0.0009	-0.0005	0.0000	-0.0026
			Z	-0.0003	0.0000	0.0000	0.0000	0.0074	0.0000
AT.	15	SI	X	0.0101	-0.0083	-0.0040	0.0004	0.0049	0.0041
			Y	0.0076	-0.0080	-0.0021	-0.0002	0.0024	0.0017
			Z	0.0139	-0.0140	-0.0130	0.0004	0.0144	0.0058
AT.	16	SI	X	-0.0101	0.0083	0.0040	0.0004	-0.0049	-0.0041
			Y	0.0076	-0.0080	-0.0021	0.0002	0.0024	0.0017
			Z	0.0139	-0.0140	-0.0130	-0.0004	0.0144	0.0058
AT.	17	SI	X	0.0101	0.0083	0.0040	0.0004	0.0049	-0.0041
			Y	-0.0076	-0.0080	-0.0021	0.0002	-0.0024	0.0017
			Z	0.0139	0.0140	0.0130	0.0004	0.0144	-0.0058
AT.	18	SI	X	-0.0101	-0.0083	-0.0040	0.0004	-0.0049	0.0041
			Y	-0.0076	-0.0080	-0.0021	-0.0002	-0.0024	0.0017
			Z	0.0139	0.0140	0.0130	-0.0004	0.0144	-0.0058
AT.	19	SI	X	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000
			Y	0.0215	-0.0226	0.0029	0.0000	-0.0053	-0.0023
			Z	-0.0161	0.0155	-0.0048	0.0000	0.0049	0.0039
AT.	20	SI	X	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000
			Y	-0.0215	-0.0226	0.0029	0.0000	0.0053	-0.0023
			Z	-0.0161	-0.0155	0.0048	0.0000	0.0049	-0.0039
AT.	21	O	X	0.0023	0.0013	0.0042	-0.0103	0.0043	0.0118
			Y	-0.0003	-0.0003	-0.0021	0.0069	-0.0032	-0.0086
			Z	-0.0015	0.0033	-0.0071	0.0198	-0.0068	-0.0255
AT.	22	O	X	-0.0023	-0.0013	-0.0042	-0.0103	-0.0043	-0.0118
			Y	-0.0003	-0.0003	-0.0021	-0.0069	-0.0032	-0.0086
			Z	-0.0015	0.0033	-0.0071	-0.0198	-0.0068	-0.0255
AT.	23	O	X	0.0023	-0.0013	-0.0042	-0.0103	0.0043	-0.0118
			Y	0.0003	-0.0003	-0.0021	-0.0069	0.0032	-0.0086
			Z	-0.0015	-0.0033	0.0071	0.0198	-0.0068	0.0255
AT.	24	O	X	-0.0023	0.0013	0.0042	-0.0103	-0.0043	0.0118
			Y	0.0003	-0.0003	-0.0021	0.0069	0.0032	-0.0086
			Z	-0.0015	-0.0033	0.0071	-0.0198	-0.0068	0.0255
AT.	25	O	X	0.0000	-0.0021	-0.0278	0.0446	0.0000	-0.0262
			Y	0.0000	-0.0014	-0.0090	0.0145	0.0000	-0.0082
			Z	0.0034	0.0000	0.0000	0.0000	0.0014	0.0000
AT.	26	O	X	0.0000	0.0021	0.0278	0.0446	0.0000	0.0262

		Y	0.0000	-0.0014	-0.0090	-0.0145	0.0000	-0.0082
		Z	0.0034	0.0000	0.0000	0.0000	0.0014	0.0000
AT.	27 O	X	0.0000	0.0015	-0.0001	0.0018	0.0000	-0.0021
		Y	0.0000	-0.0002	0.0153	-0.0304	0.0000	0.0304
		Z	0.0016	0.0000	0.0000	0.0000	0.0014	0.0000
AT.	28 O	X	0.0000	-0.0015	0.0001	0.0018	0.0000	0.0021
		Y	0.0000	-0.0002	0.0153	0.0304	0.0000	0.0304
		Z	0.0016	0.0000	0.0000	0.0000	0.0014	0.0000
AT.	29 O	X	-0.0060	0.0073	-0.0091	0.0003	0.0115	0.0045
		Y	-0.0059	0.0059	-0.0088	0.0000	0.0103	0.0039
		Z	0.0032	-0.0026	0.0165	-0.0007	-0.0190	-0.0073
AT.	30 O	X	0.0060	-0.0073	0.0091	0.0003	-0.0115	-0.0045
		Y	-0.0059	0.0059	-0.0088	0.0000	0.0103	0.0039
		Z	0.0032	-0.0026	0.0165	0.0007	-0.0190	-0.0073
AT.	31 O	X	-0.0060	-0.0073	0.0091	0.0003	0.0115	-0.0045
		Y	0.0059	0.0059	-0.0088	0.0000	-0.0103	0.0039
		Z	0.0032	0.0026	-0.0165	-0.0007	-0.0190	0.0073
AT.	32 O	X	0.0060	0.0073	-0.0091	0.0003	-0.0115	0.0045
		Y	0.0059	0.0059	-0.0088	0.0000	-0.0103	0.0039
		Z	0.0032	0.0026	-0.0165	0.0007	-0.0190	0.0073
AT.	33 O	X	0.0045	0.0069	-0.0109	-0.0012	-0.0147	0.0078
		Y	0.0052	0.0067	-0.0052	-0.0008	-0.0067	0.0038
		Z	-0.0047	-0.0050	0.0013	0.0006	0.0021	-0.0019
AT.	34 O	X	-0.0045	-0.0069	0.0109	-0.0012	0.0147	-0.0078
		Y	0.0052	0.0067	-0.0052	0.0008	-0.0067	0.0038
		Z	-0.0047	-0.0050	0.0013	-0.0006	0.0021	-0.0019
AT.	35 O	X	0.0045	-0.0069	0.0109	-0.0012	-0.0147	-0.0078
		Y	-0.0052	0.0067	-0.0052	0.0008	0.0067	0.0038
		Z	-0.0047	0.0050	-0.0013	0.0006	0.0021	0.0019
AT.	36 O	X	-0.0045	0.0069	-0.0109	-0.0012	0.0147	0.0078
		Y	-0.0052	0.0067	-0.0052	-0.0008	0.0067	0.0038
		Z	-0.0047	0.0050	-0.0013	-0.0006	0.0021	0.0019
AT.	37 O	X	-0.0056	0.0046	0.0129	-0.0004	-0.0138	-0.0088
		Y	-0.0276	0.0276	-0.0024	0.0003	0.0031	0.0019
		Z	-0.0139	0.0121	0.0144	-0.0006	-0.0161	-0.0098
AT.	38 O	X	0.0056	-0.0046	-0.0129	-0.0004	0.0138	0.0088
		Y	-0.0276	0.0276	-0.0024	-0.0003	0.0031	0.0019
		Z	-0.0139	0.0121	0.0144	0.0006	-0.0161	-0.0098
AT.	39 O	X	-0.0056	-0.0046	-0.0129	-0.0004	-0.0138	0.0088
		Y	0.0276	0.0276	-0.0024	-0.0003	-0.0031	0.0019
		Z	-0.0139	-0.0121	-0.0144	-0.0006	-0.0161	0.0098
AT.	40 O	X	0.0056	0.0046	0.0129	-0.0004	0.0138	-0.0088
		Y	0.0276	0.0276	-0.0024	0.0003	-0.0031	0.0019
		Z	-0.0139	-0.0121	-0.0144	0.0006	-0.0161	0.0098
AT.	41 O	X	-0.0014	0.0021	0.0000	0.0002	0.0006	0.0001
		Y	0.0132	-0.0136	0.0154	-0.0006	-0.0191	-0.0090
		Z	-0.0005	0.0010	0.0001	-0.0003	-0.0002	0.0001
AT.	42 O	X	0.0014	-0.0021	0.0000	0.0002	-0.0006	-0.0001
		Y	0.0132	-0.0136	0.0154	0.0006	-0.0191	-0.0090
		Z	-0.0005	0.0010	0.0001	0.0003	-0.0002	0.0001
AT.	43 O	X	-0.0014	-0.0021	0.0000	0.0002	0.0006	-0.0001
		Y	-0.0132	-0.0136	0.0154	0.0006	0.0191	-0.0090
		Z	-0.0005	-0.0010	-0.0001	-0.0003	-0.0002	-0.0001
AT.	44 O	X	0.0014	0.0021	0.0000	0.0002	-0.0006	0.0001
		Y	-0.0132	-0.0136	0.0154	-0.0006	0.0191	-0.0090
		Z	-0.0005	-0.0010	-0.0001	0.0003	-0.0002	-0.0001
AT.	45 O	X	-0.0053	0.0046	0.0006	0.0001	-0.0017	-0.0003
		Y	-0.0026	0.0029	0.0021	0.0000	-0.0005	-0.0015
		Z	0.0057	-0.0052	-0.0014	0.0000	0.0013	0.0008
AT.	46 O	X	0.0053	-0.0046	-0.0006	0.0001	0.0017	0.0003
		Y	-0.0026	0.0029	0.0021	0.0000	-0.0005	-0.0015

	Z	0.0057	-0.0052	-0.0014	0.0000	0.0013	0.0008
AT. 47 O	X	-0.0053	-0.0046	-0.0006	0.0001	-0.0017	0.0003
	Y	0.0026	0.0029	0.0021	0.0000	0.0005	-0.0015
	Z	0.0057	0.0052	0.0014	0.0000	0.0013	-0.0008
AT. 48 O	X	0.0053	0.0046	0.0006	0.0001	0.0017	-0.0003
	Y	0.0026	0.0029	0.0021	0.0000	0.0005	-0.0015
	Z	0.0057	0.0052	0.0014	0.0000	0.0013	-0.0008

FREQ(CM**-1)	848.30	850.95	864.05	882.44	884.51	888.48
AT. 1 CA X	0.0015	-0.0003	-0.0003	0.0000	-0.0001	0.0000
Y	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0006
Z	0.0000	0.0000	0.0000	0.0008	0.0000	0.0007
AT. 2 CA X	-0.0015	-0.0003	-0.0003	0.0000	0.0001	0.0000
Y	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006
Z	0.0000	0.0000	0.0000	-0.0008	0.0000	0.0007
AT. 3 CA X	0.0000	0.0008	-0.0009	-0.0007	0.0000	0.0000
Y	0.0000	-0.0003	-0.0003	-0.0005	0.0000	0.0000
Z	-0.0005	0.0000	0.0000	0.0000	0.0012	0.0006
AT. 4 CA X	0.0000	0.0008	-0.0009	0.0007	0.0000	0.0000
Y	0.0000	0.0003	0.0003	-0.0005	0.0000	0.0000
Z	0.0005	0.0000	0.0000	0.0000	-0.0012	0.0006
AT. 5 CA X	0.0001	-0.0005	0.0002	-0.0009	-0.0008	-0.0006
Y	0.0000	0.0003	-0.0007	0.0004	-0.0005	-0.0006
Z	0.0005	-0.0005	-0.0017	0.0008	-0.0004	-0.0006
AT. 6 CA X	0.0001	-0.0005	0.0002	0.0009	-0.0008	0.0006
Y	0.0000	-0.0003	0.0007	0.0004	0.0005	-0.0006
Z	-0.0005	0.0005	0.0017	0.0008	0.0004	-0.0006
AT. 7 CA X	-0.0001	-0.0005	0.0002	0.0009	0.0008	-0.0006
Y	0.0000	-0.0003	0.0007	0.0004	-0.0005	0.0006
Z	-0.0005	-0.0005	-0.0017	-0.0008	0.0004	-0.0006
AT. 8 CA X	-0.0001	-0.0005	0.0002	-0.0009	0.0008	0.0006
Y	0.0000	0.0003	-0.0007	0.0004	0.0005	0.0006
Z	0.0005	0.0005	0.0017	-0.0008	-0.0004	-0.0006
AT. 9 CA X	0.0010	0.0000	0.0002	-0.0005	0.0001	0.0001
Y	0.0001	0.0004	0.0006	0.0001	0.0000	0.0005
Z	-0.0006	-0.0007	-0.0008	-0.0002	-0.0001	-0.0006
AT. 10 CA X	0.0010	0.0000	0.0002	0.0005	0.0001	-0.0001
Y	-0.0001	-0.0004	-0.0006	0.0001	0.0000	0.0005
Z	0.0006	0.0007	0.0008	-0.0002	0.0001	-0.0006
AT. 11 CA X	-0.0010	0.0000	0.0002	0.0005	-0.0001	0.0001
Y	0.0001	-0.0004	-0.0006	0.0001	0.0000	-0.0005
Z	0.0006	-0.0007	-0.0008	0.0002	0.0001	-0.0006
AT. 12 CA X	-0.0010	0.0000	0.0002	-0.0005	-0.0001	-0.0001
Y	-0.0001	0.0004	0.0006	0.0001	0.0000	-0.0005
Z	-0.0006	0.0007	0.0008	0.0002	-0.0001	-0.0006
AT. 13 SI X	0.0000	-0.0143	0.0259	-0.0273	0.0000	0.0000
Y	0.0000	-0.0007	0.0065	-0.0051	0.0000	0.0000
Z	0.0032	0.0000	0.0000	0.0000	0.0303	0.0212
AT. 14 SI X	0.0000	-0.0143	0.0259	0.0273	0.0000	0.0000
Y	0.0000	0.0007	-0.0065	-0.0051	0.0000	0.0000
Z	-0.0032	0.0000	0.0000	0.0000	-0.0303	0.0212
AT. 15 SI X	-0.0011	-0.0050	-0.0040	-0.0104	-0.0068	0.0003
Y	-0.0039	-0.0040	-0.0029	-0.0036	0.0000	-0.0027
Z	-0.0130	-0.0094	-0.0030	0.0003	0.0050	-0.0040
AT. 16 SI X	-0.0011	-0.0050	-0.0040	0.0104	-0.0068	-0.0003
Y	0.0039	0.0040	0.0029	-0.0036	0.0000	-0.0027
Z	0.0130	0.0094	0.0030	0.0003	-0.0050	-0.0040
AT. 17 SI X	0.0011	-0.0050	-0.0040	0.0104	0.0068	0.0003
Y	-0.0039	0.0040	0.0029	-0.0036	0.0000	0.0027
Z	0.0130	-0.0094	-0.0030	-0.0003	-0.0050	-0.0040

AT.	18	SI	X	0.0011	-0.0050	-0.0040	-0.0104	0.0068	-0.0003
			Y	0.0039	-0.0040	-0.0029	-0.0036	0.0000	0.0027
			Z	-0.0130	0.0094	0.0030	-0.0003	0.0050	-0.0040
AT.	19	SI	X	-0.0041	-0.0045	0.0001	0.0000	-0.0014	0.0000
			Y	0.0000	0.0000	0.0000	-0.0009	0.0000	-0.0091
			Z	0.0000	0.0000	0.0000	0.0000	0.0000	0.0120
AT.	20	SI	X	0.0041	-0.0045	0.0001	0.0000	0.0014	0.0000
			Y	0.0000	0.0000	0.0000	-0.0009	0.0000	0.0091
			Z	0.0000	0.0000	0.0000	0.0000	0.0000	0.0120
AT.	21	O	X	0.0017	0.0069	-0.0118	0.0121	0.0143	0.0100
			Y	-0.0007	-0.0041	0.0072	-0.0059	-0.0099	-0.0068
			Z	-0.0023	-0.0104	0.0216	-0.0145	-0.0266	-0.0184
AT.	22	O	X	0.0017	0.0069	-0.0118	-0.0121	0.0143	-0.0100
			Y	0.0007	0.0041	-0.0072	-0.0059	0.0099	-0.0068
			Z	0.0023	0.0104	-0.0216	-0.0145	0.0266	-0.0184
AT.	23	O	X	-0.0017	0.0069	-0.0118	-0.0121	-0.0143	0.0100
			Y	-0.0007	0.0041	-0.0072	-0.0059	-0.0099	0.0068
			Z	0.0023	-0.0104	0.0216	0.0145	0.0266	-0.0184
AT.	24	O	X	-0.0017	0.0069	-0.0118	0.0121	-0.0143	-0.0100
			Y	0.0007	-0.0041	0.0072	-0.0059	0.0099	0.0068
			Z	-0.0023	0.0104	-0.0216	0.0145	-0.0266	-0.0184
AT.	25	O	X	0.0000	0.0111	-0.0213	0.0274	0.0000	0.0000
			Y	0.0000	0.0038	-0.0072	0.0089	0.0000	0.0000
			Z	0.0002	0.0000	0.0000	0.0000	-0.0015	-0.0016
AT.	26	O	X	0.0000	0.0111	-0.0213	-0.0274	0.0000	0.0000
			Y	0.0000	-0.0038	0.0072	0.0089	0.0000	0.0000
			Z	-0.0002	0.0000	0.0000	0.0000	0.0015	-0.0016
AT.	27	O	X	0.0000	0.0016	-0.0021	0.0043	0.0000	0.0000
			Y	0.0000	0.0053	-0.0176	0.0110	0.0000	0.0000
			Z	-0.0004	0.0000	0.0000	0.0000	-0.0030	-0.0027
AT.	28	O	X	0.0000	0.0016	-0.0021	-0.0043	0.0000	0.0000
			Y	0.0000	-0.0053	0.0176	0.0110	0.0000	0.0000
			Z	0.0004	0.0000	0.0000	0.0000	0.0030	-0.0027
AT.	29	O	X	-0.0129	-0.0101	-0.0019	0.0023	0.0023	-0.0060
			Y	-0.0109	-0.0081	-0.0021	0.0022	0.0034	-0.0045
			Z	0.0245	0.0179	0.0079	-0.0013	-0.0074	0.0128
AT.	30	O	X	-0.0129	-0.0101	-0.0019	-0.0023	0.0023	0.0060
			Y	0.0109	0.0081	0.0021	0.0022	-0.0034	-0.0045
			Z	-0.0245	-0.0179	-0.0079	-0.0013	0.0074	0.0128
AT.	31	O	X	0.0129	-0.0101	-0.0019	-0.0023	-0.0023	-0.0060
			Y	-0.0109	0.0081	0.0021	0.0022	0.0034	0.0045
			Z	-0.0245	0.0179	0.0079	0.0013	0.0074	0.0128
AT.	32	O	X	0.0129	-0.0101	-0.0019	0.0023	-0.0023	0.0060
			Y	0.0109	-0.0081	-0.0021	0.0022	-0.0034	0.0045
			Z	0.0245	-0.0179	-0.0079	0.0013	-0.0074	0.0128
AT.	33	O	X	-0.0161	0.0191	0.0110	-0.0142	-0.0086	0.0107
			Y	-0.0060	0.0076	0.0048	-0.0064	-0.0042	0.0027
			Z	0.0010	-0.0006	0.0004	0.0009	0.0025	0.0015
AT.	34	O	X	-0.0161	0.0191	0.0110	0.0142	-0.0086	-0.0107
			Y	0.0060	-0.0076	-0.0048	-0.0064	0.0042	0.0027
			Z	-0.0010	0.0006	-0.0004	0.0009	-0.0025	0.0015
AT.	35	O	X	0.0161	0.0191	0.0110	0.0142	0.0086	0.0107
			Y	-0.0060	-0.0076	-0.0048	-0.0064	-0.0042	-0.0027
			Z	-0.0010	-0.0006	0.0004	-0.0009	-0.0025	0.0015
AT.	36	O	X	0.0161	0.0191	0.0110	-0.0142	0.0086	-0.0107
			Y	0.0060	0.0076	0.0048	-0.0064	0.0042	-0.0027
			Z	0.0010	0.0006	-0.0004	-0.0009	0.0025	0.0015
AT.	37	O	X	-0.0006	0.0005	-0.0033	0.0029	0.0011	-0.0142
			Y	-0.0006	-0.0014	0.0015	0.0007	-0.0011	0.0067
			Z	0.0010	0.0029	-0.0030	0.0037	0.0011	-0.0154
AT.	38	O	X	-0.0006	0.0005	-0.0033	-0.0029	0.0011	0.0142

	Y	0.0006	0.0014	-0.0015	0.0007	0.0011	0.0067
	Z	-0.0010	-0.0029	0.0030	0.0037	-0.0011	-0.0154
AT. 39 O	X	0.0006	0.0005	-0.0033	-0.0029	-0.0011	-0.0142
	Y	-0.0006	0.0014	-0.0015	0.0007	-0.0011	-0.0067
	Z	-0.0010	0.0029	-0.0030	-0.0037	-0.0011	-0.0154
AT. 40 O	X	0.0006	0.0005	-0.0033	0.0029	-0.0011	0.0142
	Y	0.0006	-0.0014	0.0015	0.0007	0.0011	-0.0067
	Z	0.0010	-0.0029	0.0030	-0.0037	0.0011	-0.0154
AT. 41 O	X	0.0002	-0.0007	0.0002	0.0002	-0.0009	-0.0003
	Y	0.0236	0.0227	0.0117	0.0089	0.0006	0.0126
	Z	0.0014	0.0015	0.0014	0.0012	-0.0005	0.0012
AT. 42 O	X	0.0002	-0.0007	0.0002	-0.0002	-0.0009	0.0003
	Y	-0.0236	-0.0227	-0.0117	0.0089	-0.0006	0.0126
	Z	-0.0014	-0.0015	-0.0014	0.0012	0.0005	0.0012
AT. 43 O	X	-0.0002	-0.0007	0.0002	-0.0002	0.0009	-0.0003
	Y	0.0236	-0.0227	-0.0117	0.0089	0.0006	-0.0126
	Z	-0.0014	0.0015	0.0014	-0.0012	0.0005	0.0012
AT. 44 O	X	-0.0002	-0.0007	0.0002	0.0002	0.0009	0.0003
	Y	-0.0236	0.0227	0.0117	0.0089	-0.0006	-0.0126
	Z	0.0014	-0.0015	-0.0014	-0.0012	-0.0005	0.0012
AT. 45 O	X	0.0036	0.0038	0.0022	0.0006	0.0006	0.0005
	Y	-0.0072	-0.0066	-0.0043	0.0012	0.0010	-0.0006
	Z	-0.0070	-0.0054	-0.0042	-0.0005	0.0014	-0.0006
AT. 46 O	X	0.0036	0.0038	0.0022	-0.0006	0.0006	-0.0005
	Y	0.0072	0.0066	0.0043	0.0012	-0.0010	-0.0006
	Z	0.0070	0.0054	0.0042	-0.0005	-0.0014	-0.0006
AT. 47 O	X	-0.0036	0.0038	0.0022	-0.0006	-0.0006	0.0005
	Y	-0.0072	0.0066	0.0043	0.0012	0.0010	0.0006
	Z	0.0070	-0.0054	-0.0042	0.0005	-0.0014	-0.0006
AT. 48 O	X	-0.0036	0.0038	0.0022	0.0006	-0.0006	-0.0005
	Y	0.0072	-0.0066	-0.0043	0.0012	-0.0010	0.0006
	Z	-0.0070	0.0054	0.0042	0.0005	0.0014	-0.0006

FREQ(CM**-1)	896.00	897.65	903.84	915.95	922.86	932.31
AT. 1 CA X	0.0000	-0.0008	-0.0016	0.0000	0.0000	-0.0001
Y	-0.0007	0.0000	0.0000	0.0006	0.0000	0.0000
Z	0.0013	0.0000	0.0000	-0.0018	-0.0003	0.0000
AT. 2 CA X	0.0000	-0.0008	0.0016	0.0000	0.0000	-0.0001
Y	-0.0007	0.0000	0.0000	-0.0006	0.0000	0.0000
Z	-0.0013	0.0000	0.0000	-0.0018	-0.0003	0.0000
AT. 3 CA X	-0.0006	0.0002	0.0000	0.0000	0.0000	0.0001
Y	0.0004	0.0000	0.0000	0.0000	0.0000	0.0007
Z	0.0000	0.0000	-0.0011	0.0021	-0.0013	0.0000
AT. 4 CA X	0.0006	0.0002	0.0000	0.0000	0.0000	0.0001
Y	0.0004	0.0000	0.0000	0.0000	0.0000	-0.0007
Z	0.0000	0.0000	0.0011	0.0021	-0.0013	0.0000
AT. 5 CA X	-0.0002	-0.0001	0.0007	-0.0002	-0.0004	-0.0002
Y	-0.0002	-0.0001	0.0004	0.0000	-0.0001	0.0007
Z	-0.0007	0.0000	0.0005	0.0008	0.0001	0.0001
AT. 6 CA X	0.0002	-0.0001	0.0007	0.0002	0.0004	-0.0002
Y	-0.0002	0.0001	-0.0004	0.0000	-0.0001	-0.0007
Z	-0.0007	0.0000	-0.0005	0.0008	0.0001	-0.0001
AT. 7 CA X	0.0002	-0.0001	-0.0007	-0.0002	-0.0004	-0.0002
Y	-0.0002	0.0001	0.0004	0.0000	0.0001	-0.0007
Z	0.0007	0.0000	-0.0005	0.0008	0.0001	0.0001
AT. 8 CA X	-0.0002	-0.0001	-0.0007	0.0002	0.0004	-0.0002
Y	-0.0002	-0.0001	-0.0004	0.0000	0.0001	0.0007
Z	0.0007	0.0000	0.0005	0.0008	0.0001	-0.0001
AT. 9 CA X	-0.0014	-0.0001	0.0011	0.0001	0.0005	0.0003
Y	-0.0002	0.0005	0.0006	-0.0004	0.0005	0.0001

		Z	0.0004	0.0012	0.0015	0.0000	0.0004	0.0001
AT.	10 CA	X	0.0014	-0.0001	0.0011	-0.0001	-0.0005	0.0003
		Y	-0.0002	-0.0005	-0.0006	-0.0004	0.0005	-0.0001
		Z	0.0004	-0.0012	-0.0015	0.0000	0.0004	-0.0001
AT.	11 CA	X	0.0014	-0.0001	-0.0011	0.0001	0.0005	0.0003
		Y	-0.0002	-0.0005	0.0006	0.0004	-0.0005	-0.0001
		Z	-0.0004	0.0012	-0.0015	0.0000	0.0004	0.0001
AT.	12 CA	X	-0.0014	-0.0001	-0.0011	-0.0001	-0.0005	0.0003
		Y	-0.0002	0.0005	-0.0006	0.0004	-0.0005	0.0001
		Z	-0.0004	-0.0012	0.0015	0.0000	0.0004	-0.0001
AT.	13 SI	X	0.0007	-0.0023	0.0000	0.0000	0.0000	0.0033
		Y	-0.0030	-0.0028	0.0000	0.0000	0.0000	-0.0308
		Z	0.0000	0.0000	-0.0029	0.0213	-0.0074	0.0000
AT.	14 SI	X	-0.0007	-0.0023	0.0000	0.0000	0.0000	0.0033
		Y	-0.0030	0.0028	0.0000	0.0000	0.0000	0.0308
		Z	0.0000	0.0000	0.0029	0.0213	-0.0074	0.0000
AT.	15 SI	X	-0.0045	0.0106	-0.0018	-0.0077	-0.0172	-0.0060
		Y	0.0033	0.0016	-0.0004	-0.0007	-0.0053	-0.0023
		Z	0.0036	0.0038	0.0113	0.0018	0.0114	0.0045
AT.	16 SI	X	0.0045	0.0106	-0.0018	0.0077	0.0172	-0.0060
		Y	0.0033	-0.0016	0.0004	-0.0007	-0.0053	0.0023
		Z	0.0036	-0.0038	-0.0113	0.0018	0.0114	-0.0045
AT.	17 SI	X	0.0045	0.0106	0.0018	-0.0077	-0.0172	-0.0060
		Y	0.0033	-0.0016	-0.0004	0.0007	0.0053	0.0023
		Z	-0.0036	0.0038	-0.0113	0.0018	0.0114	0.0045
AT.	18 SI	X	-0.0045	0.0106	0.0018	0.0077	0.0172	-0.0060
		Y	0.0033	0.0016	0.0004	0.0007	0.0053	-0.0023
		Z	-0.0036	-0.0038	0.0113	0.0018	0.0114	-0.0045
AT.	19 SI	X	0.0000	0.0104	0.0076	0.0000	0.0000	0.0004
		Y	0.0131	0.0000	0.0000	0.0155	-0.0037	0.0000
		Z	-0.0149	0.0000	0.0000	-0.0048	0.0033	0.0000
AT.	20 SI	X	0.0000	0.0104	-0.0076	0.0000	0.0000	0.0004
		Y	0.0131	0.0000	0.0000	-0.0155	0.0037	0.0000
		Z	0.0149	0.0000	0.0000	-0.0048	0.0033	0.0000
AT.	21 O	X	0.0002	0.0013	-0.0021	0.0089	-0.0037	-0.0080
		Y	0.0001	-0.0005	0.0008	-0.0062	0.0023	0.0052
		Z	0.0000	-0.0014	0.0025	-0.0188	0.0064	0.0127
AT.	22 O	X	-0.0002	0.0013	-0.0021	-0.0089	0.0037	-0.0080
		Y	0.0001	0.0005	-0.0008	-0.0062	0.0023	-0.0052
		Z	0.0000	0.0014	-0.0025	-0.0188	0.0064	-0.0127
AT.	23 O	X	-0.0002	0.0013	0.0021	0.0089	-0.0037	-0.0080
		Y	0.0001	0.0005	0.0008	0.0062	-0.0023	-0.0052
		Z	0.0000	-0.0014	-0.0025	-0.0188	0.0064	0.0127
AT.	24 O	X	0.0002	0.0013	0.0021	-0.0089	0.0037	-0.0080
		Y	0.0001	-0.0005	-0.0008	0.0062	-0.0023	0.0052
		Z	0.0000	0.0014	0.0025	-0.0188	0.0064	-0.0127
AT.	25 O	X	-0.0013	0.0020	0.0000	0.0000	0.0000	0.0093
		Y	-0.0002	0.0008	0.0000	0.0000	0.0000	0.0032
		Z	0.0000	0.0000	-0.0011	-0.0034	0.0014	0.0000
AT.	26 O	X	0.0013	0.0020	0.0000	0.0000	0.0000	0.0093
		Y	-0.0002	-0.0008	0.0000	0.0000	0.0000	-0.0032
		Z	0.0000	0.0000	0.0011	-0.0034	0.0014	0.0000
AT.	27 O	X	-0.0003	0.0004	0.0000	0.0000	0.0000	-0.0007
		Y	0.0050	0.0047	0.0000	0.0000	0.0000	0.0356
		Z	0.0000	0.0000	0.0002	-0.0040	0.0015	0.0000
AT.	28 O	X	0.0003	0.0004	0.0000	0.0000	0.0000	-0.0007
		Y	0.0050	-0.0047	0.0000	0.0000	0.0000	-0.0356
		Z	0.0000	0.0000	-0.0002	-0.0040	0.0015	0.0000
AT.	29 O	X	0.0078	-0.0042	0.0025	0.0050	0.0084	0.0038
		Y	0.0056	-0.0024	0.0029	0.0037	0.0069	0.0025
		Z	-0.0166	0.0078	-0.0034	-0.0117	-0.0135	-0.0060

AT. 30 O	X	-0.0078	-0.0042	0.0025	-0.0050	-0.0084	0.0038
	Y	0.0056	0.0024	-0.0029	0.0037	0.0069	-0.0025
	Z	-0.0166	-0.0078	0.0034	-0.0117	-0.0135	0.0060
AT. 31 O	X	-0.0078	-0.0042	-0.0025	0.0050	0.0084	0.0038
	Y	0.0056	0.0024	0.0029	-0.0037	-0.0069	-0.0025
	Z	0.0166	0.0078	0.0034	-0.0117	-0.0135	-0.0060
AT. 32 O	X	0.0078	-0.0042	-0.0025	-0.0050	-0.0084	0.0038
	Y	0.0056	-0.0024	-0.0029	-0.0037	-0.0069	0.0025
	Z	0.0166	-0.0078	-0.0034	-0.0117	-0.0135	0.0060
AT. 33 O	X	0.0081	-0.0029	-0.0116	0.0027	0.0232	0.0068
	Y	0.0015	-0.0025	-0.0032	0.0017	0.0089	0.0030
	Z	0.0011	0.0007	-0.0001	-0.0006	-0.0031	-0.0010
AT. 34 O	X	-0.0081	-0.0029	-0.0116	-0.0027	-0.0232	0.0068
	Y	0.0015	0.0025	0.0032	0.0017	0.0089	-0.0030
	Z	0.0011	-0.0007	0.0001	-0.0006	-0.0031	0.0010
AT. 35 O	X	-0.0081	-0.0029	0.0116	0.0027	0.0232	0.0068
	Y	0.0015	0.0025	-0.0032	-0.0017	-0.0089	-0.0030
	Z	-0.0011	0.0007	0.0001	-0.0006	-0.0031	-0.0010
AT. 36 O	X	0.0081	-0.0029	0.0116	-0.0027	-0.0232	0.0068
	Y	0.0015	-0.0025	0.0032	-0.0017	-0.0089	0.0030
	Z	-0.0011	-0.0007	-0.0001	-0.0006	-0.0031	0.0010
AT. 37 O	X	0.0201	-0.0246	-0.0233	0.0142	-0.0042	-0.0003
	Y	-0.0086	0.0091	0.0085	-0.0060	0.0022	0.0003
	Z	0.0228	-0.0287	-0.0271	0.0176	-0.0056	-0.0010
AT. 38 O	X	-0.0201	-0.0246	-0.0233	-0.0142	0.0042	-0.0003
	Y	-0.0086	-0.0091	-0.0085	-0.0060	0.0022	-0.0003
	Z	0.0228	0.0287	0.0271	0.0176	-0.0056	0.0010
AT. 39 O	X	-0.0201	-0.0246	0.0233	0.0142	-0.0042	-0.0003
	Y	-0.0086	-0.0091	0.0085	0.0060	-0.0022	-0.0003
	Z	-0.0228	-0.0287	0.0271	0.0176	-0.0056	-0.0010
AT. 40 O	X	0.0201	-0.0246	0.0233	-0.0142	0.0042	-0.0003
	Y	-0.0086	0.0091	-0.0085	0.0060	-0.0022	0.0003
	Z	-0.0228	0.0287	-0.0271	0.0176	-0.0056	0.0010
AT. 41 O	X	0.0006	-0.0013	-0.0009	0.0002	0.0009	0.0007
	Y	-0.0144	0.0005	0.0042	-0.0021	0.0111	0.0044
	Z	-0.0004	-0.0015	-0.0017	0.0007	-0.0014	-0.0007
AT. 42 O	X	-0.0006	-0.0013	-0.0009	-0.0002	-0.0009	0.0007
	Y	-0.0144	-0.0005	-0.0042	-0.0021	0.0111	-0.0044
	Z	-0.0004	0.0015	0.0017	0.0007	-0.0014	0.0007
AT. 43 O	X	-0.0006	-0.0013	0.0009	0.0002	0.0009	0.0007
	Y	-0.0144	-0.0005	0.0042	0.0021	-0.0111	-0.0044
	Z	0.0004	-0.0015	0.0017	0.0007	-0.0014	-0.0007
AT. 44 O	X	0.0006	-0.0013	0.0009	-0.0002	-0.0009	0.0007
	Y	-0.0144	0.0005	-0.0042	0.0021	-0.0111	0.0044
	Z	0.0004	0.0015	-0.0017	0.0007	-0.0014	0.0007
AT. 45 O	X	0.0011	0.0061	0.0070	0.0062	-0.0011	-0.0003
	Y	0.0001	-0.0059	-0.0087	-0.0055	0.0000	-0.0006
	Z	0.0002	-0.0073	-0.0101	-0.0035	0.0003	-0.0008
AT. 46 O	X	-0.0011	0.0061	0.0070	-0.0062	0.0011	-0.0003
	Y	0.0001	0.0059	0.0087	-0.0055	0.0000	0.0006
	Z	0.0002	0.0073	0.0101	-0.0035	0.0003	0.0008
AT. 47 O	X	-0.0011	0.0061	-0.0070	0.0062	-0.0011	-0.0003
	Y	0.0001	0.0059	-0.0087	0.0055	0.0000	0.0006
	Z	-0.0002	-0.0073	0.0101	-0.0035	0.0003	-0.0008
AT. 48 O	X	0.0011	0.0061	-0.0070	-0.0062	0.0011	-0.0003
	Y	0.0001	-0.0059	0.0087	0.0055	0.0000	-0.0006
	Z	-0.0002	0.0073	-0.0101	-0.0035	0.0003	0.0008
FREQ(CM**-1)		934.85	947.57	948.72	959.90	975.30	977.69
AT. 1 CA	X	0.0000	0.0004	0.0012	0.0000	0.0004	0.0000

		Y	0.0001	0.0000	0.0000	0.0000	0.0000	-0.0007
		Z	-0.0003	0.0000	0.0000	-0.0003	0.0000	0.0000
AT.	2 CA	X	0.0000	0.0004	-0.0012	0.0000	0.0004	0.0000
		Y	0.0001	0.0000	0.0000	0.0000	0.0000	0.0007
		Z	0.0003	0.0000	0.0000	0.0003	0.0000	0.0000
AT.	3 CA	X	0.0009	-0.0003	0.0000	0.0000	-0.0001	0.0000
		Y	0.0006	0.0004	0.0000	0.0002	0.0003	0.0000
		Z	0.0000	0.0000	-0.0010	0.0000	0.0000	0.0000
AT.	4 CA	X	-0.0009	-0.0003	0.0000	0.0000	-0.0001	0.0000
		Y	0.0006	-0.0004	0.0000	0.0002	-0.0003	0.0000
		Z	0.0000	0.0000	0.0010	0.0000	0.0000	0.0000
AT.	5 CA	X	0.0000	0.0004	0.0010	-0.0018	0.0002	0.0001
		Y	0.0008	0.0001	0.0004	-0.0001	0.0007	-0.0006
		Z	-0.0002	-0.0014	-0.0002	0.0004	-0.0003	-0.0003
AT.	6 CA	X	0.0000	0.0004	0.0010	0.0018	0.0002	-0.0001
		Y	0.0008	-0.0001	-0.0004	-0.0001	-0.0007	-0.0006
		Z	-0.0002	0.0014	0.0002	0.0004	0.0003	-0.0003
AT.	7 CA	X	0.0000	0.0004	-0.0010	0.0018	0.0002	0.0001
		Y	0.0008	-0.0001	0.0004	-0.0001	-0.0007	0.0006
		Z	0.0002	-0.0014	0.0002	-0.0004	-0.0003	-0.0003
AT.	8 CA	X	0.0000	0.0004	-0.0010	-0.0018	0.0002	-0.0001
		Y	0.0008	0.0001	-0.0004	-0.0001	0.0007	0.0006
		Z	0.0002	0.0014	-0.0002	-0.0004	0.0003	-0.0003
AT.	9 CA	X	0.0004	-0.0005	-0.0001	-0.0004	0.0000	-0.0002
		Y	0.0000	-0.0004	0.0001	-0.0004	-0.0002	0.0005
		Z	-0.0004	-0.0018	-0.0005	-0.0008	-0.0001	0.0002
AT.	10 CA	X	-0.0004	-0.0005	-0.0001	0.0004	0.0000	0.0002
		Y	0.0000	0.0004	-0.0001	-0.0004	0.0002	0.0005
		Z	-0.0004	0.0018	0.0005	-0.0008	0.0001	0.0002
AT.	11 CA	X	-0.0004	-0.0005	0.0001	0.0004	0.0000	-0.0002
		Y	0.0000	0.0004	0.0001	-0.0004	0.0002	-0.0005
		Z	0.0004	-0.0018	0.0005	0.0008	-0.0001	0.0002
AT.	12 CA	X	0.0004	-0.0005	0.0001	-0.0004	0.0000	0.0002
		Y	0.0000	-0.0004	-0.0001	-0.0004	-0.0002	-0.0005
		Z	0.0004	0.0018	-0.0005	0.0008	0.0001	0.0002
AT.	13 SI	X	0.0043	0.0039	0.0000	-0.0126	0.0012	0.0000
		Y	-0.0323	-0.0097	0.0000	-0.0021	-0.0035	0.0000
		Z	0.0000	0.0000	-0.0077	0.0000	0.0000	-0.0012
AT.	14 SI	X	-0.0043	0.0039	0.0000	0.0126	0.0012	0.0000
		Y	-0.0323	0.0097	0.0000	-0.0021	0.0035	0.0000
		Z	0.0000	0.0000	0.0077	0.0000	0.0000	-0.0012
AT.	15 SI	X	0.0013	0.0146	-0.0122	0.0129	-0.0019	0.0076
		Y	-0.0015	-0.0014	-0.0148	0.0087	0.0188	-0.0214
		Z	0.0005	-0.0141	0.0057	-0.0114	-0.0042	0.0031
AT.	16 SI	X	-0.0013	0.0146	-0.0122	-0.0129	-0.0019	-0.0076
		Y	-0.0015	0.0014	0.0148	0.0087	-0.0188	-0.0214
		Z	0.0005	0.0141	-0.0057	-0.0114	0.0042	0.0031
AT.	17 SI	X	-0.0013	0.0146	0.0122	-0.0129	-0.0019	0.0076
		Y	-0.0015	0.0014	-0.0148	0.0087	-0.0188	0.0214
		Z	-0.0005	-0.0141	-0.0057	0.0114	-0.0042	0.0031
AT.	18 SI	X	0.0013	0.0146	0.0122	0.0129	-0.0019	-0.0076
		Y	-0.0015	-0.0014	0.0148	0.0087	0.0188	0.0214
		Z	-0.0005	0.0141	0.0057	0.0114	0.0042	0.0031
AT.	19 SI	X	0.0000	-0.0002	0.0064	0.0000	-0.0145	0.0000
		Y	-0.0017	0.0000	0.0000	0.0090	0.0000	0.0025
		Z	0.0005	0.0000	0.0000	0.0033	0.0000	0.0022
AT.	20 SI	X	0.0000	-0.0002	-0.0064	0.0000	-0.0145	0.0000
		Y	-0.0017	0.0000	0.0000	0.0090	0.0000	-0.0025
		Z	-0.0005	0.0000	0.0000	-0.0033	0.0000	0.0022
AT.	21 O	X	-0.0087	-0.0029	-0.0034	0.0055	-0.0011	-0.0003
		Y	0.0056	0.0019	0.0019	-0.0017	0.0009	0.0000

		Z	0.0149	0.0079	0.0070	-0.0039	0.0028	0.0010
AT.	22 O	X	0.0087	-0.0029	-0.0034	-0.0055	-0.0011	0.0003
		Y	0.0056	-0.0019	-0.0019	-0.0017	-0.0009	0.0000
		Z	0.0149	-0.0079	-0.0070	-0.0039	-0.0028	0.0010
AT.	23 O	X	0.0087	-0.0029	0.0034	-0.0055	-0.0011	-0.0003
		Y	0.0056	-0.0019	0.0019	-0.0017	-0.0009	0.0000
		Z	-0.0149	0.0079	-0.0070	0.0039	0.0028	0.0010
AT.	24 O	X	-0.0087	-0.0029	0.0034	0.0055	-0.0011	0.0003
		Y	0.0056	0.0019	-0.0019	-0.0017	0.0009	0.0000
		Z	-0.0149	-0.0079	0.0070	0.0039	-0.0028	0.0010
AT.	25 O	X	0.0096	-0.0007	0.0000	0.0149	0.0001	0.0000
		Y	0.0031	0.0010	0.0000	0.0033	0.0006	0.0000
		Z	0.0000	0.0000	0.0007	0.0000	0.0000	0.0001
AT.	26 O	X	-0.0096	-0.0007	0.0000	-0.0149	0.0001	0.0000
		Y	0.0031	-0.0010	0.0000	0.0033	-0.0006	0.0000
		Z	0.0000	0.0000	-0.0007	0.0000	0.0000	0.0001
AT.	27 O	X	-0.0007	-0.0001	0.0000	0.0044	0.0001	0.0000
		Y	0.0367	0.0101	0.0000	0.0027	0.0029	0.0000
		Z	0.0000	0.0000	0.0020	0.0000	0.0000	0.0007
AT.	28 O	X	0.0007	-0.0001	0.0000	-0.0044	0.0001	0.0000
		Y	0.0367	-0.0101	0.0000	0.0027	-0.0029	0.0000
		Z	0.0000	0.0000	-0.0020	0.0000	0.0000	0.0007
AT.	29 O	X	-0.0011	-0.0084	0.0084	-0.0098	-0.0041	0.0035
		Y	-0.0001	-0.0069	0.0059	-0.0068	-0.0037	0.0034
		Z	0.0006	0.0171	-0.0117	0.0161	0.0076	-0.0065
AT.	30 O	X	0.0011	-0.0084	0.0084	0.0098	-0.0041	-0.0035
		Y	-0.0001	0.0069	-0.0059	-0.0068	0.0037	0.0034
		Z	0.0006	-0.0171	0.0117	0.0161	-0.0076	-0.0065
AT.	31 O	X	0.0011	-0.0084	-0.0084	0.0098	-0.0041	0.0035
		Y	-0.0001	0.0069	0.0059	-0.0068	0.0037	-0.0034
		Z	-0.0006	0.0171	0.0117	-0.0161	0.0076	-0.0065
AT.	32 O	X	-0.0011	-0.0084	-0.0084	-0.0098	-0.0041	-0.0035
		Y	-0.0001	-0.0069	-0.0059	-0.0068	-0.0037	-0.0034
		Z	-0.0006	-0.0171	-0.0117	-0.0161	-0.0076	-0.0065
AT.	33 O	X	0.0009	-0.0196	-0.0106	0.0149	0.0065	-0.0161
		Y	0.0009	-0.0073	-0.0039	0.0050	0.0035	-0.0066
		Z	0.0003	0.0047	0.0012	-0.0018	-0.0004	0.0017
AT.	34 O	X	-0.0009	-0.0196	-0.0106	-0.0149	0.0065	0.0161
		Y	0.0009	0.0073	0.0039	0.0050	-0.0035	-0.0066
		Z	0.0003	-0.0047	-0.0012	-0.0018	0.0004	0.0017
AT.	35 O	X	-0.0009	-0.0196	0.0106	-0.0149	0.0065	-0.0161
		Y	0.0009	0.0073	-0.0039	0.0050	-0.0035	0.0066
		Z	-0.0003	0.0047	-0.0012	0.0018	-0.0004	0.0017
AT.	36 O	X	0.0009	-0.0196	0.0106	0.0149	0.0065	0.0161
		Y	0.0009	-0.0073	0.0039	0.0050	0.0035	0.0066
		Z	-0.0003	-0.0047	0.0012	0.0018	0.0004	0.0017
AT.	37 O	X	-0.0017	0.0054	0.0064	0.0021	0.0021	0.0013
		Y	0.0007	-0.0013	-0.0008	-0.0020	-0.0021	0.0006
		Z	-0.0022	0.0080	0.0060	0.0038	0.0020	0.0019
AT.	38 O	X	0.0017	0.0054	0.0064	-0.0021	0.0021	-0.0013
		Y	0.0007	0.0013	0.0008	-0.0020	0.0021	0.0006
		Z	-0.0022	-0.0080	-0.0060	0.0038	-0.0020	0.0019
AT.	39 O	X	0.0017	0.0054	-0.0064	-0.0021	0.0021	0.0013
		Y	0.0007	0.0013	-0.0008	-0.0020	0.0021	-0.0006
		Z	0.0022	0.0080	-0.0060	-0.0038	0.0020	0.0019
AT.	40 O	X	-0.0017	0.0054	-0.0064	0.0021	0.0021	-0.0013
		Y	0.0007	-0.0013	0.0008	-0.0020	-0.0021	-0.0006
		Z	0.0022	-0.0080	0.0060	-0.0038	-0.0020	0.0019
AT.	41 O	X	-0.0002	-0.0006	0.0018	-0.0012	0.0003	-0.0011
		Y	0.0017	0.0011	0.0208	-0.0119	-0.0229	0.0242
		Z	-0.0006	0.0029	-0.0003	0.0020	0.0010	-0.0010

AT. 42 O	X	0.0002	-0.0006	0.0018	0.0012	0.0003	0.0011
	Y	0.0017	-0.0011	-0.0208	-0.0119	0.0229	0.0242
	Z	-0.0006	-0.0029	0.0003	0.0020	-0.0010	-0.0010
AT. 43 O	X	0.0002	-0.0006	-0.0018	0.0012	0.0003	-0.0011
	Y	0.0017	-0.0011	0.0208	-0.0119	0.0229	-0.0242
	Z	0.0006	0.0029	0.0003	-0.0020	0.0010	-0.0010
AT. 44 O	X	-0.0002	-0.0006	-0.0018	-0.0012	0.0003	0.0011
	Y	0.0017	0.0011	-0.0208	-0.0119	-0.0229	-0.0242
	Z	0.0006	-0.0029	-0.0003	-0.0020	-0.0010	-0.0010
AT. 45 O	X	-0.0008	-0.0022	-0.0078	0.0053	0.0102	0.0031
	Y	0.0004	0.0043	0.0095	-0.0058	-0.0119	-0.0024
	Z	0.0004	0.0050	0.0093	-0.0041	-0.0116	-0.0033
AT. 46 O	X	0.0008	-0.0022	-0.0078	-0.0053	0.0102	-0.0031
	Y	0.0004	-0.0043	-0.0095	-0.0058	0.0119	-0.0024
	Z	0.0004	-0.0050	-0.0093	-0.0041	0.0116	-0.0033
AT. 47 O	X	0.0008	-0.0022	0.0078	-0.0053	0.0102	0.0031
	Y	0.0004	-0.0043	0.0095	-0.0058	0.0119	0.0024
	Z	-0.0004	0.0050	-0.0093	0.0041	-0.0116	-0.0033
AT. 48 O	X	-0.0008	-0.0022	0.0078	0.0053	0.0102	-0.0031
	Y	0.0004	0.0043	-0.0095	-0.0058	-0.0119	0.0024
	Z	-0.0004	-0.0050	0.0093	0.0041	0.0116	-0.0033

FREQ(CM**-1)	982.23	994.82	999.45	1016.14	1039.67	1043.90
AT. 1 CA X	0.0000	-0.0015	-0.0020	0.0004	0.0000	0.0000
Y	-0.0007	0.0000	0.0000	0.0000	0.0002	0.0006
Z	-0.0004	0.0000	0.0000	0.0000	0.0006	0.0016
AT. 2 CA X	0.0000	-0.0015	0.0020	-0.0004	0.0000	0.0000
Y	-0.0007	0.0000	0.0000	0.0000	0.0002	-0.0006
Z	0.0004	0.0000	0.0000	0.0000	-0.0006	0.0016
AT. 3 CA X	0.0001	0.0002	0.0000	0.0000	-0.0002	0.0000
Y	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
Z	0.0000	0.0000	0.0010	-0.0001	0.0000	-0.0010
AT. 4 CA X	-0.0001	0.0002	0.0000	0.0000	0.0002	0.0000
Y	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
Z	0.0000	0.0000	-0.0010	0.0001	0.0000	-0.0010
AT. 5 CA X	0.0002	-0.0003	-0.0008	0.0003	0.0010	0.0001
Y	-0.0006	0.0003	0.0004	0.0000	-0.0001	0.0002
Z	-0.0001	-0.0001	0.0003	-0.0009	-0.0003	-0.0007
AT. 6 CA X	-0.0002	-0.0003	-0.0008	0.0003	-0.0010	-0.0001
Y	-0.0006	-0.0003	-0.0004	0.0000	-0.0001	0.0002
Z	-0.0001	0.0001	-0.0003	0.0009	-0.0003	-0.0007
AT. 7 CA X	-0.0002	-0.0003	0.0008	-0.0003	-0.0010	0.0001
Y	-0.0006	-0.0003	0.0004	0.0000	-0.0001	-0.0002
Z	0.0001	-0.0001	-0.0003	0.0009	0.0003	-0.0007
AT. 8 CA X	0.0002	-0.0003	0.0008	-0.0003	0.0010	-0.0001
Y	-0.0006	0.0003	-0.0004	0.0000	-0.0001	-0.0002
Z	0.0001	0.0001	0.0003	-0.0009	0.0003	-0.0007
AT. 9 CA X	0.0004	0.0004	-0.0003	-0.0013	0.0001	0.0001
Y	-0.0002	-0.0004	0.0001	0.0003	0.0001	0.0000
Z	-0.0001	-0.0008	0.0006	0.0002	0.0003	0.0001
AT. 10 CA X	-0.0004	0.0004	-0.0003	-0.0013	-0.0001	-0.0001
Y	-0.0002	0.0004	-0.0001	-0.0003	0.0001	0.0000
Z	-0.0001	0.0008	-0.0006	-0.0002	0.0003	0.0001
AT. 11 CA X	-0.0004	0.0004	0.0003	0.0013	-0.0001	0.0001
Y	-0.0002	0.0004	0.0001	0.0003	0.0001	0.0000
Z	0.0001	-0.0008	-0.0006	-0.0002	-0.0003	0.0001
AT. 12 CA X	0.0004	0.0004	0.0003	0.0013	0.0001	-0.0001
Y	-0.0002	-0.0004	-0.0001	-0.0003	0.0001	0.0000
Z	0.0001	0.0008	0.0006	0.0002	-0.0003	0.0001
AT. 13 SI X	0.0017	-0.0003	0.0000	0.0000	0.0040	0.0000

		Y	-0.0009	-0.0008	0.0000	0.0000	-0.0007	0.0000
		Z	0.0000	0.0000	0.0059	-0.0042	0.0000	-0.0055
AT.	14 SI	X	-0.0017	-0.0003	0.0000	0.0000	-0.0040	0.0000
		Y	-0.0009	0.0008	0.0000	0.0000	-0.0007	0.0000
		Z	0.0000	0.0000	-0.0059	0.0042	0.0000	-0.0055
AT.	15 SI	X	-0.0082	-0.0061	0.0146	-0.0051	-0.0073	0.0003
		Y	0.0195	0.0107	-0.0161	-0.0019	0.0042	0.0036
		Z	-0.0019	-0.0055	0.0022	0.0052	0.0018	-0.0003
AT.	16 SI	X	0.0082	-0.0061	0.0146	-0.0051	0.0073	-0.0003
		Y	0.0195	-0.0107	0.0161	0.0019	0.0042	0.0036
		Z	-0.0019	0.0055	-0.0022	-0.0052	0.0018	-0.0003
AT.	17 SI	X	0.0082	-0.0061	-0.0146	0.0051	0.0073	0.0003
		Y	0.0195	-0.0107	-0.0161	-0.0019	0.0042	-0.0036
		Z	0.0019	-0.0055	-0.0022	-0.0052	-0.0018	-0.0003
AT.	18 SI	X	-0.0082	-0.0061	-0.0146	0.0051	-0.0073	-0.0003
		Y	0.0195	0.0107	0.0161	0.0019	0.0042	-0.0036
		Z	0.0019	0.0055	0.0022	0.0052	-0.0018	-0.0003
AT.	19 SI	X	0.0000	0.0225	-0.0020	-0.0271	0.0000	0.0000
		Y	-0.0088	0.0000	0.0000	0.0000	0.0178	0.0182
		Z	-0.0042	0.0000	0.0000	0.0000	0.0211	0.0230
AT.	20 SI	X	0.0000	0.0225	0.0020	0.0271	0.0000	0.0000
		Y	-0.0088	0.0000	0.0000	0.0000	0.0178	-0.0182
		Z	0.0042	0.0000	0.0000	0.0000	-0.0211	0.0230
AT.	21 O	X	-0.0013	-0.0001	0.0028	-0.0011	-0.0021	-0.0020
		Y	0.0002	0.0002	-0.0012	0.0010	0.0006	0.0014
		Z	0.0015	0.0004	-0.0058	0.0040	0.0026	0.0055
AT.	22 O	X	0.0013	-0.0001	0.0028	-0.0011	0.0021	0.0020
		Y	0.0002	-0.0002	0.0012	-0.0010	0.0006	0.0014
		Z	0.0015	-0.0004	0.0058	-0.0040	0.0026	0.0055
AT.	23 O	X	0.0013	-0.0001	-0.0028	0.0011	0.0021	-0.0020
		Y	0.0002	-0.0002	-0.0012	0.0010	0.0006	-0.0014
		Z	-0.0015	0.0004	0.0058	-0.0040	-0.0026	0.0055
AT.	24 O	X	-0.0013	-0.0001	-0.0028	0.0011	-0.0021	0.0020
		Y	0.0002	0.0002	0.0012	-0.0010	0.0006	-0.0014
		Z	-0.0015	-0.0004	-0.0058	0.0040	-0.0026	0.0055
AT.	25 O	X	-0.0014	0.0005	0.0000	0.0000	-0.0044	0.0000
		Y	-0.0005	0.0003	0.0000	0.0000	-0.0007	0.0000
		Z	0.0000	0.0000	-0.0003	0.0013	0.0000	0.0018
AT.	26 O	X	0.0014	0.0005	0.0000	0.0000	0.0044	0.0000
		Y	-0.0005	-0.0003	0.0000	0.0000	-0.0007	0.0000
		Z	0.0000	0.0000	0.0003	-0.0013	0.0000	0.0018
AT.	27 O	X	-0.0003	0.0002	0.0000	0.0000	-0.0013	0.0000
		Y	0.0014	0.0004	0.0000	0.0000	0.0007	0.0000
		Z	0.0000	0.0000	-0.0014	0.0016	0.0000	0.0018
AT.	28 O	X	0.0003	0.0002	0.0000	0.0000	0.0013	0.0000
		Y	0.0014	-0.0004	0.0000	0.0000	0.0007	0.0000
		Z	0.0000	0.0000	0.0014	-0.0016	0.0000	0.0018
AT.	29 O	X	-0.0025	-0.0035	-0.0006	0.0052	0.0027	-0.0006
		Y	-0.0027	-0.0032	0.0012	0.0033	0.0008	-0.0007
		Z	0.0058	0.0082	-0.0033	-0.0083	-0.0019	0.0027
AT.	30 O	X	0.0025	-0.0035	-0.0006	0.0052	-0.0027	0.0006
		Y	-0.0027	0.0032	-0.0012	-0.0033	0.0008	-0.0007
		Z	0.0058	-0.0082	0.0033	0.0083	-0.0019	0.0027
AT.	31 O	X	0.0025	-0.0035	0.0006	-0.0052	-0.0027	-0.0006
		Y	-0.0027	0.0032	0.0012	0.0033	0.0008	0.0007
		Z	-0.0058	0.0082	0.0033	0.0083	0.0019	0.0027
AT.	32 O	X	-0.0025	-0.0035	0.0006	-0.0052	0.0027	0.0006
		Y	-0.0027	-0.0032	-0.0012	-0.0033	0.0008	0.0007
		Z	-0.0058	-0.0082	-0.0033	-0.0083	0.0019	0.0027
AT.	33 O	X	-0.0175	0.0129	0.0231	-0.0019	-0.0102	0.0004
		Y	-0.0067	0.0045	0.0084	-0.0010	-0.0033	0.0008

	Z	0.0017	-0.0003	-0.0023	0.0025	0.0010	-0.0003
AT. 34 O	X	0.0175	0.0129	0.0231	-0.0019	0.0102	-0.0004
	Y	-0.0067	-0.0045	-0.0084	0.0010	-0.0033	0.0008
	Z	0.0017	0.0003	0.0023	-0.0025	0.0010	-0.0003
AT. 35 O	X	0.0175	0.0129	-0.0231	0.0019	0.0102	0.0004
	Y	-0.0067	-0.0045	0.0084	-0.0010	-0.0033	-0.0008
	Z	-0.0017	-0.0003	0.0023	-0.0025	-0.0010	-0.0003
AT. 36 O	X	-0.0175	0.0129	-0.0231	0.0019	-0.0102	-0.0004
	Y	-0.0067	0.0045	-0.0084	0.0010	-0.0033	-0.0008
	Z	-0.0017	0.0003	-0.0023	0.0025	-0.0010	-0.0003
AT. 37 O	X	-0.0026	-0.0039	-0.0036	0.0099	-0.0003	-0.0026
	Y	0.0007	0.0026	0.0007	-0.0043	-0.0003	-0.0003
	Z	-0.0041	-0.0022	-0.0030	0.0067	-0.0028	-0.0051
AT. 38 O	X	0.0026	-0.0039	-0.0036	0.0099	0.0003	0.0026
	Y	0.0007	-0.0026	-0.0007	0.0043	-0.0003	-0.0003
	Z	-0.0041	0.0022	0.0030	-0.0067	-0.0028	-0.0051
AT. 39 O	X	0.0026	-0.0039	0.0036	-0.0099	0.0003	-0.0026
	Y	0.0007	-0.0026	0.0007	-0.0043	-0.0003	0.0003
	Z	0.0041	-0.0022	0.0030	-0.0067	0.0028	-0.0051
AT. 40 O	X	-0.0026	-0.0039	0.0036	-0.0099	-0.0003	0.0026
	Y	0.0007	0.0026	-0.0007	0.0043	-0.0003	0.0003
	Z	0.0041	0.0022	-0.0030	0.0067	0.0028	-0.0051
AT. 41 O	X	0.0011	0.0014	-0.0033	0.0019	0.0028	0.0002
	Y	-0.0217	-0.0096	0.0167	0.0004	-0.0036	-0.0030
	Z	0.0007	0.0020	-0.0013	-0.0019	0.0001	0.0003
AT. 42 O	X	-0.0011	0.0014	-0.0033	0.0019	-0.0028	-0.0002
	Y	-0.0217	0.0096	-0.0167	-0.0004	-0.0036	-0.0030
	Z	0.0007	-0.0020	0.0013	0.0019	0.0001	0.0003
AT. 43 O	X	-0.0011	0.0014	0.0033	-0.0019	-0.0028	0.0002
	Y	-0.0217	0.0096	0.0167	0.0004	-0.0036	0.0030
	Z	-0.0007	0.0020	0.0013	0.0019	-0.0001	0.0003
AT. 44 O	X	0.0011	0.0014	0.0033	-0.0019	0.0028	-0.0002
	Y	-0.0217	-0.0096	-0.0167	-0.0004	-0.0036	0.0030
	Z	-0.0007	-0.0020	-0.0013	-0.0019	-0.0001	0.0003
AT. 45 O	X	-0.0070	-0.0147	0.0038	0.0169	0.0142	0.0149
	Y	0.0069	0.0160	-0.0027	-0.0160	-0.0169	-0.0179
	Z	0.0058	0.0157	-0.0026	-0.0155	-0.0181	-0.0190
AT. 46 O	X	0.0070	-0.0147	0.0038	0.0169	-0.0142	-0.0149
	Y	0.0069	-0.0160	0.0027	0.0160	-0.0169	-0.0179
	Z	0.0058	-0.0157	0.0026	0.0155	-0.0181	-0.0190
AT. 47 O	X	0.0070	-0.0147	-0.0038	-0.0169	-0.0142	0.0149
	Y	0.0069	-0.0160	-0.0027	-0.0160	-0.0169	0.0179
	Z	-0.0058	0.0157	0.0026	0.0155	0.0181	-0.0190
AT. 48 O	X	-0.0070	-0.0147	-0.0038	-0.0169	0.0142	-0.0149
	Y	0.0069	0.0160	0.0027	0.0160	-0.0169	0.0179
	Z	-0.0058	-0.0157	-0.0026	-0.0155	0.0181	-0.0190

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VIBRATIONAL TEMPERATURES (K) [MODE NUMBER;IRREP]

TO MODES

131.0	[4;B1]	135.7	[5;B2]	143.5	[6;A2]	159.3	[7;A2]
163.2	[8;B2]	166.0	[9;B1]	168.0	[10;A1]	181.1	[11;B1]
183.3	[12;A1]	185.4	[13;A2]	187.0	[14;B2]	205.7	[15;B1]
209.2	[16;B2]	211.6	[17;A2]	216.2	[18;A1]	219.9	[19;B2]
226.3	[20;A1]	234.0	[21;B1]	237.1	[22;A2]	244.9	[23;B2]
251.6	[24;B1]	258.9	[25;B2]	261.8	[26;B1]	262.2	[27;A2]
266.3	[28;A1]	276.2	[29;B2]	279.4	[30;B1]	287.5	[31;A2]
288.4	[32;A1]	292.3	[33;B1]	298.7	[34;B2]	299.1	[35;A1]
300.1	[36;B1]	317.8	[37;A2]	319.1	[38;A1]	322.5	[39;B2]

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  333.7 [  40;A1 ]   337.2 [  41;B1 ]   347.6 [  42;A2 ]   351.3 [  43;B2 ]
  354.0 [  44;A1 ]   354.2 [  45;B2 ]   356.2 [  46;A2 ]   363.3 [  47;A1 ]
  365.0 [  48;A2 ]   365.1 [  49;B2 ]   366.8 [  50;B1 ]   370.8 [  51;A1 ]
  372.3 [  52;A2 ]   379.3 [  53;A2 ]   389.0 [  54;B1 ]   389.7 [  55;A1 ]
  392.6 [  56;B2 ]   401.0 [  57;B1 ]   404.0 [  58;A1 ]   409.5 [  59;B1 ]
  409.8 [  60;A2 ]   410.3 [  61;B2 ]   426.8 [  62;B2 ]   430.4 [  63;A2 ]
  430.6 [  64;A1 ]   438.0 [  65;B2 ]   444.2 [  66;B1 ]   460.4 [  67;B2 ]
  460.8 [  68;A1 ]   462.3 [  69;A2 ]   472.8 [  70;A2 ]   474.9 [  71;B1 ]
  484.4 [  72;B1 ]   490.3 [  73;A1 ]   494.9 [  74;B2 ]   501.8 [  75;A1 ]
  506.6 [  76;B1 ]   513.2 [  77;A2 ]   519.5 [  78;B2 ]   522.0 [  79;A1 ]
  538.2 [  80;A2 ]   556.9 [  81;B1 ]   557.0 [  82;B2 ]   571.2 [  83;B2 ]
  572.7 [  84;B1 ]   574.7 [  85;A1 ]   594.1 [  86;A2 ]   594.1 [  87;B2 ]
  605.3 [  88;B1 ]   611.3 [  89;A2 ]   619.9 [  90;B1 ]   622.3 [  91;A1 ]
  630.2 [  92;B2 ]   679.5 [  93;B1 ]   685.9 [  94;A2 ]   692.1 [  95;B2 ]
  694.4 [  96;A1 ]   717.1 [  97;A2 ]   733.6 [  98;A1 ]   735.9 [  99;B1 ]
  738.8 [ 100;B2 ]   751.5 [ 101;A2 ]   764.4 [ 102;A1 ]   768.1 [ 103;B2 ]
  776.9 [ 104;B1 ]   789.2 [ 105;A1 ]   800.2 [ 106;A2 ]   813.9 [ 107;A1 ]
  816.9 [ 108;B2 ]   817.7 [ 109;B1 ]   830.2 [ 110;B2 ]   832.6 [ 111;A1 ]
  845.6 [ 112;A2 ]   961.9 [ 113;A1 ]   977.3 [ 114;A2 ]  1018.7 [ 115;B1 ]
 1021.4 [ 116;B2 ]  1180.9 [ 117;B2 ]  1181.8 [ 118;A1 ]  1186.2 [ 119;B1 ]
 1195.0 [ 120;B2 ]  1220.5 [ 121;A2 ]  1224.3 [ 122;A1 ]  1243.2 [ 123;A1 ]
 1269.6 [ 124;B2 ]  1272.6 [ 125;A2 ]  1278.3 [ 126;B1 ]  1289.1 [ 127;B2 ]
 1291.5 [ 128;A1 ]  1300.4 [ 129;A2 ]  1317.8 [ 130;B1 ]  1327.8 [ 131;B1 ]
 1341.4 [ 132;A1 ]  1345.0 [ 133;B2 ]  1363.3 [ 134;A1 ]  1365.0 [ 135;A2 ]
 1381.1 [ 136;B2 ]  1403.2 [ 137;A1 ]  1406.7 [ 138;B1 ]  1413.2 [ 139;B2 ]
 1431.3 [ 140;A1 ]  1438.0 [ 141;A2 ]  1462.0 [ 142;A2 ]  1495.9 [ 143;B2 ]
 1501.9 [ 144;B1 ]

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HARMONIC VIBRATIONAL CONTRIBUTIONS TO THERMODYNAMIC FUNCTIONS AT GIVEN
TEMPERATURE AND PRESSURE:

(EL = ELECTRONIC ENERGY
 E0 = ZERO-POINT ENERGY
 ET = THERMAL CONTRIBUTION TO THE VIBRATIONAL ENERGY
 PV = PRESSURE * VOLUME
 TS = TEMPERATURE * ENTROPY)

                          AU/CELL              EV/CELL                  KJ/MOL
EL            :  -12552.663455967000 -341575.337991487060   -32957013.25915588
E0            :       0.141217051241       3.842711323946         370.76531578


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THERMODYNAMIC FUNCTIONS WITH VIBRATIONAL CONTRIBUTIONS

AT (T =  298.15 K, P =   0.10132500E+00 MPA):

                          AU/CELL              EV/CELL                  KJ/MOL
ET            :       0.049741151466       1.353525543306         130.59537477
PV            :       0.000015160639       0.000412541947           0.03980425
TS            :       0.086321595997       2.348930044387         226.63731835
ET+PV-TS      :      -0.036565283893      -0.994991959134         -96.00213933
EL+E0+ET+PV-TS:  -12552.558804199651 -341572.490272122202   -32956738.49597942

OTHER THERMODINAMIC FUNCTIONS:

                     mHARTREE/(CELL*K)     mEV/(CELL*K)              J/(MOL*K)
ENTROPY       :       0.289524051643       7.878349972790         760.14529047
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 HEAT CAPACITY :       0.310037302589       8.436543909057         814.00282323

 ******************************************************************************
 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT END         TELAPSE    29311.22 TCPU    28863.17
 EEEEEEEEEE TERMINATION  DATE 15 05 2011 TIME 23:21:28.0
NODE    0 CPU TIME =     28863.166
NODE    1 CPU TIME =     28854.258
NODE    2 CPU TIME =     28849.949
NODE    3 CPU TIME =     28862.611
NODE    4 CPU TIME =     28867.518
NODE    5 CPU TIME =     28868.051
NODE    6 CPU TIME =     28868.711
NODE    7 CPU TIME =     28860.894
NODE    8 CPU TIME =     28995.620
NODE    9 CPU TIME =     28978.039
NODE   10 CPU TIME =     28976.067
NODE   11 CPU TIME =     28974.701
NODE   12 CPU TIME =     28971.848
NODE   13 CPU TIME =     28994.685
NODE   14 CPU TIME =     28969.453
NODE   15 CPU TIME =     28984.998
    TOTAL CPU TIME =    462740.571
Sun May 15 23:21:28 CEST 2011
Contents of temporary directory in master node n025.leo1:
total 3005417
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 dffit3.dat
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 ERROR
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 ERROR.pe1
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 ERROR.pe10
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 ERROR.pe11
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 ERROR.pe12
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 ERROR.pe13
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 ERROR.pe14
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 ERROR.pe15
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 ERROR.pe2
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 ERROR.pe3
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 ERROR.pe4
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 ERROR.pe5
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 ERROR.pe6
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 ERROR.pe7
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 ERROR.pe8
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 ERROR.pe9
-rw-r--r--+ 1 c71460 c714 32256528 May 15 22:48 fort.10.pe0
-rw-r--r--+ 1 c71460 c714 32256528 May 15 22:48 fort.10.pe1
-rw-r--r--+ 1 c71460 c714 32256528 May 15 22:48 fort.10.pe10
-rw-r--r--+ 1 c71460 c714 32256528 May 15 22:48 fort.10.pe11
-rw-r--r--+ 1 c71460 c714 40320664 May 15 22:48 fort.10.pe12
-rw-r--r--+ 1 c71460 c714 40320664 May 15 22:48 fort.10.pe13
-rw-r--r--+ 1 c71460 c714 40320664 May 15 22:48 fort.10.pe14
-rw-r--r--+ 1 c71460 c714 40320664 May 15 22:48 fort.10.pe15
-rw-r--r--+ 1 c71460 c714 32256528 May 15 22:48 fort.10.pe2
-rw-r--r--+ 1 c71460 c714 24192400 May 15 22:48 fort.10.pe3
-rw-r--r--+ 1 c71460 c714 32256528 May 15 22:48 fort.10.pe4
-rw-r--r--+ 1 c71460 c714 24192400 May 15 22:48 fort.10.pe5
-rw-r--r--+ 1 c71460 c714 24192400 May 15 22:48 fort.10.pe6
-rw-r--r--+ 1 c71460 c714 32256528 May 15 22:48 fort.10.pe7
-rw-r--r--+ 1 c71460 c714 24192400 May 15 22:48 fort.10.pe8
-rw-r--r--+ 1 c71460 c714 32256528 May 15 22:48 fort.10.pe9
-rw-r--r--+ 1 c71460 c714 17751376 May 15 22:48 fort.11.pe0
-rw-r--r--+ 1 c71460 c714 17751376 May 15 22:48 fort.11.pe1
-rw-r--r--+ 1 c71460 c714 17751376 May 15 22:48 fort.11.pe10
```

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-rw-r--r--+ 1 c71460 c714 17751376 May 15 22:48 fort.11.pe11
-rw-r--r--+ 1 c71460 c714 17751376 May 15 22:48 fort.11.pe12
-rw-r--r--+ 1 c71460 c714 17751376 May 15 22:48 fort.11.pe13
-rw-r--r--+ 1 c71460 c714 17751376 May 15 22:48 fort.11.pe14
-rw-r--r--+ 1 c71460 c714 17751376 May 15 22:48 fort.11.pe15
-rw-r--r--+ 1 c71460 c714 17751376 May 15 22:48 fort.11.pe2
-rw-r--r--+ 1 c71460 c714 17751376 May 15 22:48 fort.11.pe3
-rw-r--r--+ 1 c71460 c714 17751376 May 15 22:48 fort.11.pe4
-rw-r--r--+ 1 c71460 c714 17751376 May 15 22:48 fort.11.pe5
-rw-r--r--+ 1 c71460 c714 17751376 May 15 22:48 fort.11.pe6
-rw-r--r--+ 1 c71460 c714 17751376 May 15 22:48 fort.11.pe7
-rw-r--r--+ 1 c71460 c714 17751376 May 15 22:48 fort.11.pe8
-rw-r--r--+ 1 c71460 c714 17751376 May 15 22:48 fort.11.pe9
-rw-r--r--+ 1 c71460 c714    77748 May 15 21:18 fort.12
-rw-r--r--+ 1 c71460 c714 17655624 May 11 09:34 fort.13
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.17.pe1
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.17.pe10
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.17.pe11
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.17.pe12
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.17.pe13
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.17.pe14
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.17.pe15
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.17.pe2
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.17.pe3
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.17.pe4
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.17.pe5
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.17.pe6
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.17.pe7
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.17.pe8
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.17.pe9
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.18.pe0
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.18.pe1
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.18.pe10
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.18.pe11
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.18.pe12
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.18.pe13
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.18.pe14
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.18.pe15
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.18.pe2
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.18.pe3
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.18.pe4
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.18.pe5
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.18.pe6
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.18.pe7
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.18.pe8
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.18.pe9
-rw-r--r--+ 1 c71460 c714     6720 May 15 23:21 fort.19.pe0
-rw-r--r--+ 1 c71460 c714   437212 May 15 23:21 fort.19.pe1
-rw-r--r--+ 1 c71460 c714   437212 May 15 23:21 fort.19.pe10
-rw-r--r--+ 1 c71460 c714   437212 May 15 23:21 fort.19.pe11
-rw-r--r--+ 1 c71460 c714   437212 May 15 23:21 fort.19.pe12
-rw-r--r--+ 1 c71460 c714   437212 May 15 23:21 fort.19.pe13
-rw-r--r--+ 1 c71460 c714   437212 May 15 23:21 fort.19.pe14
-rw-r--r--+ 1 c71460 c714   437212 May 15 23:21 fort.19.pe15
-rw-r--r--+ 1 c71460 c714   437212 May 15 23:21 fort.19.pe2
-rw-r--r--+ 1 c71460 c714   437212 May 15 23:21 fort.19.pe3
-rw-r--r--+ 1 c71460 c714   437212 May 15 23:21 fort.19.pe4
-rw-r--r--+ 1 c71460 c714   437212 May 15 23:21 fort.19.pe5
-rw-r--r--+ 1 c71460 c714   437212 May 15 23:21 fort.19.pe6
-rw-r--r--+ 1 c71460 c714   437212 May 15 23:21 fort.19.pe7
-rw-r--r--+ 1 c71460 c714   437212 May 15 23:21 fort.19.pe8
```

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-rw-r--r--+ 1 c71460 c714   437212 May 15 23:21 fort.19.pe9
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.1.pe0
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.1.pe1
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.1.pe10
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.1.pe11
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.1.pe12
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.1.pe13
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.1.pe14
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.1.pe15
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.1.pe2
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.1.pe3
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.1.pe4
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.1.pe5
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.1.pe6
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.1.pe7
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.1.pe8
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.1.pe9
-rw-r--r--+ 1 c71460 c714  6077012 May 11 09:35 fort.20
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.28
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.29
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.38.pe0
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.38.pe1
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.38.pe10
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.38.pe11
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.38.pe12
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.38.pe13
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.38.pe14
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.38.pe15
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.38.pe2
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.38.pe3
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.38.pe4
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.38.pe5
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.38.pe6
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.38.pe7
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.38.pe8
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.38.pe9
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.3.pe0
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.3.pe1
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.3.pe10
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.3.pe11
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.3.pe12
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.3.pe13
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.3.pe14
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.3.pe15
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.3.pe2
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.3.pe3
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.3.pe4
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.3.pe5
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.3.pe6
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.3.pe7
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.3.pe8
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.3.pe9
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.40.pe0
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.40.pe1
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.40.pe10
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.40.pe11
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.40.pe12
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.40.pe13
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.40.pe14
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.40.pe15
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.40.pe2
```

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-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.40.pe3
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.40.pe4
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.40.pe5
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.40.pe6
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.40.pe7
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.40.pe8
-rw-r--r--+ 1 c71460 c714        0 May 11 08:31 fort.40.pe9
-rw-r--r--+ 1 c71460 c714   159795 May 15 23:21 fort.65
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.71.pe0
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.71.pe1
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.71.pe10
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.71.pe11
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.71.pe12
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.71.pe13
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.71.pe14
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.71.pe15
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.71.pe2
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.71.pe3
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.71.pe4
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.71.pe5
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.71.pe6
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.71.pe7
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.71.pe8
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.71.pe9
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.72.pe0
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.72.pe1
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.72.pe10
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.72.pe11
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.72.pe12
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.72.pe13
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.72.pe14
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.72.pe15
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.72.pe2
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.72.pe3
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.72.pe4
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.72.pe5
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.72.pe6
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.72.pe7
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.72.pe8
-rw-r--r--+ 1 c71460 c714 44378040 May 15 22:47 fort.72.pe9
-rw-r--r--+ 1 c71460 c714    41664 May 15 23:21 fort.8.pe0
-rw-r--r--+ 1 c71460 c714 32256528 May 15 22:43 fort.8.pe1
-rw-r--r--+ 1 c71460 c714 32256528 May 15 22:42 fort.8.pe10
-rw-r--r--+ 1 c71460 c714 32256528 May 15 22:42 fort.8.pe11
-rw-r--r--+ 1 c71460 c714 40320664 May 15 22:42 fort.8.pe12
-rw-r--r--+ 1 c71460 c714 40320664 May 15 22:42 fort.8.pe13
-rw-r--r--+ 1 c71460 c714 40320664 May 15 22:42 fort.8.pe14
-rw-r--r--+ 1 c71460 c714 40320664 May 15 22:43 fort.8.pe15
-rw-r--r--+ 1 c71460 c714 32256528 May 15 22:42 fort.8.pe2
-rw-r--r--+ 1 c71460 c714 24192400 May 15 22:43 fort.8.pe3
-rw-r--r--+ 1 c71460 c714 32256528 May 15 22:42 fort.8.pe4
-rw-r--r--+ 1 c71460 c714 24192400 May 15 22:43 fort.8.pe5
-rw-r--r--+ 1 c71460 c714 24192400 May 15 22:42 fort.8.pe6
-rw-r--r--+ 1 c71460 c714 32256528 May 15 22:43 fort.8.pe7
-rw-r--r--+ 1 c71460 c714 24192400 May 15 22:43 fort.8.pe8
-rw-r--r--+ 1 c71460 c714 32256528 May 15 22:42 fort.8.pe9
-rw-r--r--+ 1 c71460 c714  6077012 May 11 09:35 fort.9
-rw-r--r--+ 1 c71460 c714  8939624 May 15 22:43 fort.95.pe0
-rw-r--r--+ 1 c71460 c714  8939624 May 15 22:43 fort.95.pe1
-rw-r--r--+ 1 c71460 c714  8939624 May 15 22:43 fort.95.pe10
-rw-r--r--+ 1 c71460 c714  8939624 May 15 22:43 fort.95.pe11
```

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-rw-r--r--+ 1 c71460 c714  8939624 May 15 22:43 fort.95.pe12
-rw-r--r--+ 1 c71460 c714  8939624 May 15 22:43 fort.95.pe13
-rw-r--r--+ 1 c71460 c714  8939624 May 15 22:43 fort.95.pe14
-rw-r--r--+ 1 c71460 c714  8939624 May 15 22:43 fort.95.pe15
-rw-r--r--+ 1 c71460 c714  8939624 May 15 22:43 fort.95.pe2
-rw-r--r--+ 1 c71460 c714  8939624 May 15 22:43 fort.95.pe3
-rw-r--r--+ 1 c71460 c714  8939624 May 15 22:43 fort.95.pe4
-rw-r--r--+ 1 c71460 c714  8939624 May 15 22:43 fort.95.pe5
-rw-r--r--+ 1 c71460 c714  8939624 May 15 22:43 fort.95.pe6
-rw-r--r--+ 1 c71460 c714  8939624 May 15 22:43 fort.95.pe7
-rw-r--r--+ 1 c71460 c714  8939624 May 15 22:43 fort.95.pe8
-rw-r--r--+ 1 c71460 c714  8939624 May 15 22:43 fort.95.pe9
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-rw-r--r--+ 1 c71460 c714  8875608 May 15 21:17 fort.96.pe1
-rw-r--r--+ 1 c71460 c714  8875608 May 15 21:17 fort.96.pe10
-rw-r--r--+ 1 c71460 c714  8875608 May 15 21:17 fort.96.pe11
-rw-r--r--+ 1 c71460 c714  8875608 May 15 21:17 fort.96.pe12
-rw-r--r--+ 1 c71460 c714  8875608 May 15 21:17 fort.96.pe13
-rw-r--r--+ 1 c71460 c714  8875608 May 15 21:17 fort.96.pe14
-rw-r--r--+ 1 c71460 c714  8875608 May 15 21:17 fort.96.pe15
-rw-r--r--+ 1 c71460 c714  8875608 May 15 21:17 fort.96.pe2
-rw-r--r--+ 1 c71460 c714  8875608 May 15 21:17 fort.96.pe3
-rw-r--r--+ 1 c71460 c714  8875608 May 15 21:17 fort.96.pe4
-rw-r--r--+ 1 c71460 c714  8875608 May 15 21:17 fort.96.pe5
-rw-r--r--+ 1 c71460 c714  8875608 May 15 21:17 fort.96.pe6
-rw-r--r--+ 1 c71460 c714  8875608 May 15 21:17 fort.96.pe7
-rw-r--r--+ 1 c71460 c714  8875608 May 15 21:17 fort.96.pe8
-rw-r--r--+ 1 c71460 c714  8875608 May 15 21:17 fort.96.pe9
-rw-r--r--+ 1 c71460 c714 10938630 May 15 23:21 FREQINFO.DAT
-rw-r--r--+ 1 c71460 c714   440640 May 15 23:21 HESSFREQ.DAT
-rw-r--r--+ 1 c71460 c714     3777 May 15 15:12 INPUT
-rw-r--r--+ 1 c71460 c714     3777 May 15 15:12 Kilchoanite-FREQ.d12
-rw-r--r--+ 1 c71460 c714        0 May 11 10:18 OPTalist
-rw-r--r--+ 1 c71460 c714        0 May 11 10:18 OPTclist
-rw-r--r--+ 1 c71460 c714        0 May 11 10:18 scanlist
-rw-r--r--+ 1 c71460 c714    21024 May 11 08:31 SCFOUT.LOG
wave function binary file /mnt/x4540/hpc-scratch/c71460/leo1/Kilchoanite/Kilchoanite-
FREQ.f9
file HESSFREQ.DAT saved as /mnt/x4540/hpc-scratch/c71460/leo1/Kilchoanite/Kilchoanite-
FREQ.hessfreq
file SCFOUT.LOG saved as /mnt/x4540/hpc-scratch/c71460/leo1/Kilchoanite/Kilchoanite-
FREQ.SCFLOG
file FREQINFO.DAT saved as /mnt/x4540/hpc-scratch/c71460/leo1/Kilchoanite/Kilchoanite-
FREQ.freqinfo
file fort.13 saved as /mnt/x4540/hpc-scratch/c71460/leo1/Kilchoanite/Kilchoanite-FREQ.f13
```

```
date Fri Jun 10 12:06:50 CEST 2011
master hostname n001.leo1
master system Linux n001.leo1 2.6.18-238.9.1.el5 #1 SMP Tue Apr 12 18:10:13 EDT 2011
x86_64 x86_64 x86_64 GNU/Linux
user c71460
output data in /mnt/x4540/hpc-scratch/c71460/leo1/Kilchoanite/Pavlovskyite-FREQ.out
mpirun executable in /usr/site/hpc/x86_64/glibc-2.5/italy/openmpi/1.3.3/intel-11.0/bin
Pcrystal executable in /usr/site/hpc/x86_64/glibc-2.5/italy/crystal/09/intel-
11.0/bin/Linux-ifort-11.1_amd64/v1_0_1
input data in /mnt/x4540/hpc-
scratch/c71460/leo1/Kilchoanite/tmp_p21551_c71460/Pavlovskyite-FREQ.d12
creating temporary directories /mnt/x4540/hpc-
scratch/c71460/leo1/Kilchoanite/tmp_p21551_c71460
copying input file to file INPUT
CRYSTAL data /mnt/x4540/hpc-
scratch/c71460/leo1/Kilchoanite/tmp_p21551_c71460/Pavlovskyite-FREQ.f9 not found or empty
Pavlovskyite Ca8Si5O18, PBE(n=6) optimized
CRYSTAL
1 0 0
 P b c n
     5.11714370    11.47758720    28.82579308
17
 14     -0.42843406469020   0.40486136305720   0.44246770640880
 14      0.44080501991100  -0.40628378827460   0.32735841486850
 14     -0.50000000000000  -0.23965746656240   0.25000000000000
 20      0.49731297084830  -0.28294303515560   0.44227031509640
 20      0.00000000000000  -0.50000000000000  -0.50000000000000
 20     -0.00544532300715   0.48922657391460   0.37821704761160
 20     -0.49455626447390   0.28357488730270   0.33058462344510
 20      0.00000000000000  -0.48646992733310   0.25000000000000
  8     -0.29404874983260  -0.46318155055050   0.44035394653010
  8     -0.29534366741420   0.33621295939980   0.39792638653380
  8     -0.29690580031740   0.34208589611430   0.48854865330980
  8      0.25183879904310   0.40513895543720   0.44094108485090
  8      0.29791566323260  -0.34409346758490   0.37184718677600
  8      0.30752043933210   0.46597107897540   0.32088276274010
  8      0.31116725500400  -0.32958428319390   0.28154331936490
  8     -0.24331065832810  -0.40141129684490   0.32400190383360
  8     -0.32337861505530  -0.15816964690000   0.28240205445970
FREQCALC
RESTART
ANALYSIS
ENDFREQ
END
20 7                    ! Ca(2+) 86-511G(21), optimized in Ca6Si4O14 with PBE(n=6)
0  0  8  2.0  1.0
  191300.0       0.0002204
   26970.0       0.001925
    5696.0       0.01109
    1489.4       0.04995
     448.3       0.17014
     154.62      0.3685
      60.37      0.4034
      25.09      0.1452
0  1  6  8.0  1.0
     448.6      -0.00575  0.00847
     105.7      -0.0767   0.06027
      34.69     -0.1122   0.2124
      13.50      0.2537   0.3771
       5.820     0.688    0.401
```

```
       1.819     0.349    0.198
0  1  5  8.0  1.0
      20.75     -0.0020  -0.0365
       8.40     -0.1255  -0.0685
       3.597    -0.6960   0.1570
       1.408     1.029    1.482
       0.726     0.944    1.025
0  1  1  0.0  1.0
       0.463     1.0000   1.0000
0  1  1  0.0  1.0
       0.279     1.0000   1.0000
0  3  2  0.0  1.0
       3.922     0.139
       1.095     0.326
0  3  1  0.0  1.0
       0.343     0.427
14  6            ! Si(4+)  86-311G(1), optimized in Ca6Si4O14 with PBE(n=6)
 0 0 8  2.0  1.0
 87645.8        0.000237
 12851.8        0.00192
 2786.28        0.0109
  728.043       0.0496
  219.516       0.1668
   75.9006      0.363
   29.4602      0.4051
   11.9891      0.1504
 0 1 6  8.0  1.0
  165.958      -0.00884     0.00909
   39.3727     -0.0859      0.0601
   12.7112     -0.0712      0.1952
    4.7177      0.4147      0.3384
    1.8482      0.6168      0.3006
    0.7365      0.1154      0.0648
 0 1 3  0.0  1.0
    4.1752     -0.0199     -0.0087
    1.4472     -0.1864     -0.00438
    0.5023      0.0967      0.2207
 0 1 1  0.0  1.0
    0.333       1.0000      1.0000
 0 1 1  0.0  1.0
    0.13        1.0000      1.0000
 0 3 1  0.0  1.0
    0.682       1.0000
8   5            ! O(2-)  84-11G(1), optimized in Ca6Si4O14 with PBE(n=6)
 0 0 8  2.0  1.0
 8020.0         0.00108
 1338.0         0.00804
  255.4         0.05324
   69.22        0.1681
   23.90        0.3581
    9.264       0.3855
    3.851       0.1468
    1.212       0.0728
 0 1 4  8.0  1.0
   49.43       -0.00883     0.00958
   10.47       -0.0915      0.0696
    3.235      -0.0402      0.2065
    1.217       0.379       0.347
 0 1 1  0.0  1.0
    0.460       1.0000      1.0000
 0 1 1  0.0  1.0
```

```
    0.170       1.0000      1.0000
 0 3 1  0.0  1.0
    0.556       1.0000
99 0
ENDBASIS
DFT
XLGRID
EXCHANGE
PBE
CORRELAT
PBE
HYBRID
16.667
ENDDFT
SCFDIR
SHRINK
4 4
TOLINTEG
7 7 7 7 15
TOLDEE
10
FMIXING
80
BROYDEN
0.0001 50 2
MAXCYCLE
200
BIPOSIZE
6818200
EXCHSIZE
6992232
ENDRUN
END Fri Jun 10 12:06:50 CEST 2011
/bin/bash: module: line 1: syntax error: unexpected end of file
/bin/bash: error importing function definition for `module'
 PROCESS            4  OF           32  WORKING
 PROCESS            5  OF           32  WORKING
 PROCESS           13  OF           32  WORKING
 PROCESS            0  OF           32  WORKING
 PROCESS           21  OF           32  WORKING
 PROCESS           12  OF           32  WORKING
 PROCESS           10  OF           32  WORKING
 PROCESS           17  OF           32  WORKING
 PROCESS           26  OF           32  WORKING
 PROCESS            9  OF           32  WORKING
 PROCESS            2  OF           32  WORKING
 PROCESS            8  OF           32  WORKING
 PROCESS            6  OF           32  WORKING
 PROCESS            7  OF           32  WORKING
 PROCESS           15  OF           32  WORKING
 PROCESS           14  OF           32  WORKING
 PROCESS           18  OF           32  WORKING
 PROCESS           19  OF           32  WORKING
 PROCESS           20  OF           32  WORKING
 PROCESS           22  OF           32  WORKING
 PROCESS           23  OF           32  WORKING
 PROCESS           28  OF           32  WORKING
 PROCESS           16  OF           32  WORKING
 PROCESS           29  OF           32  WORKING
 PROCESS           24  OF           32  WORKING
 PROCESS           27  OF           32  WORKING
```

```
PROCESS          31  OF          32  WORKING
PROCESS           1  OF          32  WORKING
PROCESS           3  OF          32  WORKING
PROCESS          30  OF          32  WORKING
PROCESS          11  OF          32  WORKING
PROCESS          25  OF          32  WORKING


*******************************************************************************
*                                                                             *
*                              CRYSTAL09                                      *
*                            public : 1.0                                     *
*                     March 5th, 2010 - parallel executable                   *
*                                                                             *
*                                                                             *
*                                                                             *
*                            MAIN AUTHORS                                     *
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*******************************************************************************
EEEEEEEEEE STARTING  DATE 10 06 2011 TIME 12:06:52.0
Pavlovskyite Ca8Si5O18, PBE(n=6) optimized

CRYSTAL CALCULATION
(INPUT ACCORDING TO THE INTERNATIONAL TABLES FOR X-RAY CRYSTALLOGRAPHY)
CRYSTAL FAMILY                      :  ORTHORHOMBIC
CRYSTAL CLASS  (GROTH - 1921)       :  ORTHORHOMBIC BIPYRAMIDAL

SPACE GROUP (CENTROSYMMETRIC)       :  P B C N

LATTICE PARAMETERS  (ANGSTROMS AND DEGREES) - CONVENTIONAL CELL
       A           B           C        ALPHA        BETA       GAMMA
    5.11714    11.47759    28.82579    90.00000    90.00000    90.00000


NUMBER OF IRREDUCIBLE ATOMS IN THE CONVENTIONAL CELL:   17

INPUT COORDINATES

ATOM AT. N.              COORDINATES
  1  14    -4.284340646902E-01  4.048613630572E-01  4.424677064088E-01
  2  14     4.408050199110E-01 -4.062837882746E-01  3.273584148685E-01
  3  14    -5.000000000000E-01 -2.396574665624E-01  2.500000000000E-01
  4  20     4.973129708483E-01 -2.829430351556E-01  4.422703150964E-01
  5  20     0.000000000000E+00 -5.000000000000E-01 -5.000000000000E-01
```

6	20	-5.445323007150E-03	4.892265739146E-01	3.782170476116E-01
7	20	-4.945562644739E-01	2.835748873027E-01	3.305846234451E-01
8	20	0.000000000000E+00	-4.864699273331E-01	2.500000000000E-01
9	8	-2.940487498326E-01	-4.631815505505E-01	4.403539465301E-01
10	8	-2.953436674142E-01	3.362129593998E-01	3.979263865338E-01
11	8	-2.969058003174E-01	3.420858961143E-01	4.885486533098E-01
12	8	2.518387990431E-01	4.051389554372E-01	4.409410848509E-01
13	8	2.979156632326E-01	-3.440934675849E-01	3.718471867760E-01
14	8	3.075204393321E-01	4.659710789754E-01	3.208827627401E-01
15	8	3.111672550040E-01	-3.295842831939E-01	2.815433193649E-01
16	8	-2.433106583281E-01	-4.014112968449E-01	3.240019038336E-01
17	8	-3.233786150553E-01	-1.581696469000E-01	2.824020544597E-01

****

<< INFORMATION >>: FROM NOW ON, ALL COORDINATES REFER TO THE PRIMITIVE CELL

****

LATTICE PARAMETERS (ANGSTROMS AND DEGREES) - PRIMITIVE CELL

A	B	C	ALPHA	BETA	GAMMA	VOLUME
5.11714	11.47759	28.82579	90.00000	90.00000	90.00000	1693.009826

COORDINATES OF THE EQUIVALENT ATOMS (FRACTIONAL UNITS)

N.	ATOM	EQUIV	AT. N.		X	Y	Z
1	1	1	14	SI	-4.28434064690E-01	4.04861363057E-01	4.42467706409E-01
2	1	2	14	SI	-7.15659353098E-02	9.51386369428E-02	-5.75322935912E-02
3	1	3	14	SI	7.15659353098E-02	9.51386369428E-02	-4.42467706409E-01
4	1	4	14	SI	4.28434064690E-01	4.04861363057E-01	5.75322935912E-02
5	1	5	14	SI	4.28434064690E-01	-4.04861363057E-01	-4.42467706409E-01
6	1	6	14	SI	7.15659353098E-02	-9.51386369428E-02	5.75322935912E-02
7	1	7	14	SI	-7.15659353098E-02	-9.51386369428E-02	4.42467706409E-01
8	1	8	14	SI	-4.28434064690E-01	-4.04861363057E-01	-5.75322935912E-02
9	2	1	14	SI	4.40805019911E-01	-4.06283788275E-01	3.27358414868E-01
10	2	2	14	SI	5.91949800890E-02	-9.37162117254E-02	-1.72641585131E-01
11	2	3	14	SI	-5.91949800890E-02	-9.37162117254E-02	-3.27358414868E-01
12	2	4	14	SI	-4.40805019911E-01	-4.06283788275E-01	1.72641585132E-01
13	2	5	14	SI	-4.40805019911E-01	4.06283788275E-01	-3.27358414868E-01
14	2	6	14	SI	-5.91949800890E-02	9.37162117254E-02	1.72641585132E-01
15	2	7	14	SI	5.91949800890E-02	9.37162117254E-02	3.27358414868E-01
16	2	8	14	SI	4.40805019911E-01	4.06283788275E-01	-1.72641585131E-01
17	3	1	14	SI	5.00000000000E-01	-2.39657466562E-01	2.50000000000E-01
18	3	2	14	SI	0.00000000000E+00	-2.60342533438E-01	-2.50000000000E-01
19	3	3	14	SI	-5.00000000000E-01	2.39657466562E-01	-2.50000000000E-01
20	3	4	14	SI	0.00000000000E+00	2.60342533438E-01	2.50000000000E-01
21	4	1	20	CA	4.97312970848E-01	-2.82943035156E-01	4.42270315096E-01
22	4	2	20	CA	2.68702915170E-03	-2.17056964844E-01	-5.77296849036E-02
23	4	3	20	CA	-2.68702915170E-03	-2.17056964844E-01	-4.42270315096E-01
24	4	4	20	CA	-4.97312970848E-01	-2.82943035156E-01	5.77296849036E-02
25	4	5	20	CA	-4.97312970848E-01	2.82943035156E-01	-4.42270315096E-01
26	4	6	20	CA	-2.68702915170E-03	2.17056964844E-01	5.77296849036E-02
27	4	7	20	CA	2.68702915170E-03	2.17056964844E-01	4.42270315096E-01
28	4	8	20	CA	4.97312970848E-01	2.82943035156E-01	-5.77296849036E-02
29	5	1	20	CA	0.00000000000E+00	5.00000000000E-01	5.00000000000E-01
30	5	2	20	CA	-5.00000000000E-01	0.00000000000E+00	0.00000000000E+00

31	5	3	20	CA	-5.00000000000E-01	0.00000000000E+00	-5.00000000000E-01
32	5	4	20	CA	0.00000000000E+00	5.00000000000E-01	0.00000000000E+00
33	6	1	20	CA	-5.44532300715E-03	4.89226573915E-01	3.78217047612E-01
34	6	2	20	CA	-4.94554676993E-01	1.07734260854E-02	-1.21782952388E-01
35	6	3	20	CA	4.94554676993E-01	1.07734260854E-02	-3.78217047612E-01
36	6	4	20	CA	5.44532300715E-03	4.89226573915E-01	1.21782952388E-01
37	6	5	20	CA	5.44532300715E-03	-4.89226573915E-01	-3.78217047612E-01
38	6	6	20	CA	4.94554676993E-01	-1.07734260854E-02	1.21782952388E-01
39	6	7	20	CA	-4.94554676993E-01	-1.07734260854E-02	3.78217047612E-01
40	6	8	20	CA	-5.44532300715E-03	-4.89226573915E-01	-1.21782952388E-01
41	7	1	20	CA	-4.94556264474E-01	2.83574887303E-01	3.30584623445E-01
42	7	2	20	CA	-5.44373552610E-03	2.16425112697E-01	-1.69415376555E-01
43	7	3	20	CA	5.44373552610E-03	2.16425112697E-01	-3.30584623445E-01
44	7	4	20	CA	4.94556264474E-01	2.83574887303E-01	1.69415376555E-01
45	7	5	20	CA	4.94556264474E-01	-2.83574887303E-01	-3.30584623445E-01
46	7	6	20	CA	5.44373552610E-03	-2.16425112697E-01	1.69415376555E-01
47	7	7	20	CA	-5.44373552610E-03	-2.16425112697E-01	3.30584623445E-01
48	7	8	20	CA	-4.94556264474E-01	-2.83574887303E-01	-1.69415376555E-01
49	8	1	20	CA	0.00000000000E+00	-4.86469927333E-01	2.50000000000E-01
50	8	2	20	CA	-5.00000000000E-01	-1.35300726669E-02	-2.50000000000E-01
51	8	3	20	CA	0.00000000000E+00	4.86469927333E-01	-2.50000000000E-01
52	8	4	20	CA	-5.00000000000E-01	1.35300726669E-02	2.50000000000E-01
53	9	1	8	O	-2.94048749833E-01	-4.63181550550E-01	4.40353946530E-01
54	9	2	8	O	-2.05951250167E-01	-3.68184494495E-02	-5.96460534699E-02
55	9	3	8	O	2.05951250167E-01	-3.68184494495E-02	-4.40353946530E-01
56	9	4	8	O	2.94048749833E-01	-4.63181550550E-01	5.96460534699E-02
57	9	5	8	O	2.94048749833E-01	4.63181550550E-01	-4.40353946530E-01
58	9	6	8	O	2.05951250167E-01	3.68184494495E-02	5.96460534699E-02
59	9	7	8	O	-2.05951250167E-01	3.68184494495E-02	4.40353946530E-01
60	9	8	8	O	-2.94048749833E-01	4.63181550550E-01	-5.96460534699E-02
61	10	1	8	O	-2.95343667414E-01	3.36212959400E-01	3.97926386534E-01
62	10	2	8	O	-2.04656332586E-01	1.63787040600E-01	-1.02073613466E-01
63	10	3	8	O	2.04656332586E-01	1.63787040600E-01	-3.97926386534E-01
64	10	4	8	O	2.95343667414E-01	3.36212959400E-01	1.02073613466E-01
65	10	5	8	O	2.95343667414E-01	-3.36212959400E-01	-3.97926386534E-01
66	10	6	8	O	2.04656332586E-01	-1.63787040600E-01	1.02073613466E-01
67	10	7	8	O	-2.04656332586E-01	-1.63787040600E-01	3.97926386534E-01
68	10	8	8	O	-2.95343667414E-01	-3.36212959400E-01	-1.02073613466E-01
69	11	1	8	O	-2.96905800317E-01	3.42085896114E-01	4.88548653310E-01
70	11	2	8	O	-2.03094199683E-01	1.57914103886E-01	-1.14513466902E-02
71	11	3	8	O	2.03094199683E-01	1.57914103886E-01	-4.88548653310E-01
72	11	4	8	O	2.96905800317E-01	3.42085896114E-01	1.14513466902E-02
73	11	5	8	O	2.96905800317E-01	-3.42085896114E-01	-4.88548653310E-01
74	11	6	8	O	2.03094199683E-01	-1.57914103886E-01	1.14513466902E-02
75	11	7	8	O	-2.03094199683E-01	-1.57914103886E-01	4.88548653310E-01
76	11	8	8	O	-2.96905800317E-01	-3.42085896114E-01	-1.14513466902E-02
77	12	1	8	O	2.51838799043E-01	4.05138955437E-01	4.40941084851E-01
78	12	2	8	O	2.48161200957E-01	9.48610445628E-02	-5.90589151491E-02
79	12	3	8	O	-2.48161200957E-01	9.48610445628E-02	-4.40941084851E-01
80	12	4	8	O	-2.51838799043E-01	4.05138955437E-01	5.90589151491E-02
81	12	5	8	O	-2.51838799043E-01	-4.05138955437E-01	-4.40941084851E-01
82	12	6	8	O	-2.48161200957E-01	-9.48610445628E-02	5.90589151491E-02
83	12	7	8	O	2.48161200957E-01	-9.48610445628E-02	4.40941084851E-01
84	12	8	8	O	2.51838799043E-01	-4.05138955437E-01	-5.90589151491E-02

```
 85  13   1    8 O     2.97915663233E-01 -3.44093467585E-01  3.71847186776E-01
 86  13   2    8 O     2.02084336767E-01 -1.55906532415E-01 -1.28152813224E-01
 87  13   3    8 O    -2.02084336767E-01 -1.55906532415E-01 -3.71847186776E-01
 88  13   4    8 O    -2.97915663233E-01 -3.44093467585E-01  1.28152813224E-01
 89  13   5    8 O    -2.97915663233E-01  3.44093467585E-01 -3.71847186776E-01
 90  13   6    8 O    -2.02084336767E-01  1.55906532415E-01  1.28152813224E-01
 91  13   7    8 O     2.02084336767E-01  1.55906532415E-01  3.71847186776E-01
 92  13   8    8 O     2.97915663233E-01  3.44093467585E-01 -1.28152813224E-01

 93  14   1    8 O     3.07520439332E-01  4.65971078975E-01  3.20882762740E-01
 94  14   2    8 O     1.92479560668E-01  3.40289210246E-02 -1.79117237260E-01
 95  14   3    8 O    -1.92479560668E-01  3.40289210246E-02 -3.20882762740E-01
 96  14   4    8 O    -3.07520439332E-01  4.65971078975E-01  1.79117237260E-01
 97  14   5    8 O    -3.07520439332E-01 -4.65971078975E-01 -3.20882762740E-01
 98  14   6    8 O    -1.92479560668E-01 -3.40289210246E-02  1.79117237260E-01
 99  14   7    8 O     1.92479560668E-01 -3.40289210246E-02  3.20882762740E-01
100  14   8    8 O     3.07520439332E-01 -4.65971078975E-01 -1.79117237260E-01

101  15   1    8 O     3.11167255004E-01 -3.29584283194E-01  2.81543319365E-01
102  15   2    8 O     1.88832744996E-01 -1.70415716806E-01 -2.18456680635E-01
103  15   3    8 O    -1.88832744996E-01 -1.70415716806E-01 -2.81543319365E-01
104  15   4    8 O    -3.11167255004E-01 -3.29584283194E-01  2.18456680635E-01
105  15   5    8 O    -3.11167255004E-01  3.29584283194E-01 -2.81543319365E-01
106  15   6    8 O    -1.88832744996E-01  1.70415716806E-01  2.18456680635E-01
107  15   7    8 O     1.88832744996E-01  1.70415716806E-01  2.81543319365E-01
108  15   8    8 O     3.11167255004E-01  3.29584283194E-01 -2.18456680635E-01

109  16   1    8 O    -2.43310658328E-01 -4.01411296845E-01  3.24001903834E-01
110  16   2    8 O    -2.56689341672E-01 -9.85887031551E-02 -1.75998096166E-01
111  16   3    8 O     2.56689341672E-01 -9.85887031551E-02 -3.24001903834E-01
112  16   4    8 O     2.43310658328E-01 -4.01411296845E-01  1.75998096166E-01
113  16   5    8 O     2.43310658328E-01  4.01411296845E-01 -3.24001903834E-01
114  16   6    8 O     2.56689341672E-01  9.85887031551E-02  1.75998096166E-01
115  16   7    8 O    -2.56689341672E-01  9.85887031551E-02  3.24001903834E-01
116  16   8    8 O    -2.43310658328E-01  4.01411296845E-01 -1.75998096166E-01

117  17   1    8 O    -3.23378615055E-01 -1.58169646900E-01  2.82402054460E-01
118  17   2    8 O    -1.76621384945E-01 -3.41830353100E-01 -2.17597945540E-01
119  17   3    8 O     1.76621384945E-01 -3.41830353100E-01 -2.82402054460E-01
120  17   4    8 O     3.23378615055E-01 -1.58169646900E-01  2.17597945540E-01
121  17   5    8 O     3.23378615055E-01  1.58169646900E-01 -2.82402054460E-01
122  17   6    8 O     1.76621384945E-01  3.41830353100E-01  2.17597945540E-01
123  17   7    8 O    -1.76621384945E-01  3.41830353100E-01  2.82402054460E-01
124  17   8    8 O    -3.23378615055E-01  1.58169646900E-01 -2.17597945540E-01

NUMBER OF SYMMETRY OPERATORS         :    8
*****************************************************************************
* GEOMETRY EDITING - INPUT COORDINATES ARE GIVEN IN ANGSTROM
*****************************************************************************

GEOMETRY NOW FULLY CONSISTENT WITH THE GROUP

FRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQFRQ

                      FREQUENCY CALCULATION

INFORMATION **** INPFREQ **** FREQUENCY CALCULATION RESTART(DATA FROM FREQINFO.DAT)
INFORMATION **** INPFREQ ****  ANALYSIS OF THE VIBRATIONAL MODES

GCALCO - MAX INDICES DIRECT LATTICE VECTOR    34    15     6
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NO.OF VECTORS CREATED 6999 STARS 1097 RMAX   267.49094 BOHR

GEOMETRY FOR WAVE FUNCTION - DIMENSIONALITY OF THE SYSTEM    3
(NON PERIODIC DIRECTION: LATTICE PARAMETER FORMALLY SET TO 500)
*******************************************************************************
LATTICE PARAMETERS (ANGSTROMS AND DEGREES) - BOHR = 0.5291772083 ANGSTROM
PRIMITIVE CELL - CENTRING CODE 1/0 VOLUME=  1693.009826 - DENSITY  2.933 g/cm^3
        A              B              C           ALPHA      BETA       GAMMA
    5.11714370    11.47758720    28.82579308    90.000000  90.000000  90.000000
*******************************************************************************
ATOMS IN THE ASYMMETRIC UNIT   17 - ATOMS IN THE UNIT CELL:  124
    ATOM              X/A                 Y/B                 Z/C
*******************************************************************************
  1 T  14 SI   -4.284340646902E-01  4.048613630572E-01  4.424677064088E-01
  2 F  14 SI   -7.156593530980E-02  9.513863694280E-02 -5.753229359120E-02
  3 F  14 SI    7.156593530980E-02  9.513863694280E-02 -4.424677064088E-01
  4 F  14 SI    4.284340646902E-01  4.048613630572E-01  5.753229359120E-02
  5 F  14 SI    4.284340646902E-01 -4.048613630572E-01 -4.424677064088E-01
  6 F  14 SI    7.156593530980E-02 -9.513863694280E-02  5.753229359120E-02
  7 F  14 SI   -7.156593530980E-02 -9.513863694280E-02  4.424677064088E-01
  8 F  14 SI   -4.284340646902E-01 -4.048613630572E-01 -5.753229359120E-02
  9 T  14 SI    4.408050199110E-01 -4.062837882746E-01  3.273584148685E-01
 10 F  14 SI    5.919498008900E-02 -9.371621172540E-02 -1.726415851315E-01
 11 F  14 SI   -5.919498008900E-02 -9.371621172540E-02 -3.273584148685E-01
 12 F  14 SI   -4.408050199110E-01 -4.062837882746E-01  1.726415851315E-01
 13 F  14 SI   -4.408050199110E-01  4.062837882746E-01 -3.273584148685E-01
 14 F  14 SI   -5.919498008900E-02  9.371621172540E-02  1.726415851315E-01
 15 F  14 SI    5.919498008900E-02  9.371621172540E-02  3.273584148685E-01
 16 F  14 SI    4.408050199110E-01  4.062837882746E-01 -1.726415851315E-01
 17 T  14 SI    5.000000000000E-01 -2.396574665624E-01  2.500000000000E-01
 18 F  14 SI    0.000000000000E+00 -2.603425334376E-01 -2.500000000000E-01
 19 F  14 SI    5.000000000000E-01  2.396574665624E-01 -2.500000000000E-01
 20 F  14 SI    0.000000000000E+00  2.603425334376E-01  2.500000000000E-01
 21 T  20 CA    4.973129708483E-01 -2.829430351556E-01  4.422703150964E-01
 22 F  20 CA    2.687029151700E-03 -2.170569648444E-01 -5.772968490360E-02
 23 F  20 CA   -2.687029151700E-03 -2.170569648444E-01 -4.422703150964E-01
 24 F  20 CA   -4.973129708483E-01 -2.829430351556E-01  5.772968490360E-02
 25 F  20 CA   -4.973129708483E-01  2.829430351556E-01 -4.422703150964E-01
 26 F  20 CA   -2.687029151700E-03  2.170569648444E-01  5.772968490360E-02
 27 F  20 CA    2.687029151700E-03  2.170569648444E-01  4.422703150964E-01
 28 F  20 CA    4.973129708483E-01  2.829430351556E-01 -5.772968490360E-02
 29 T  20 CA    0.000000000000E+00 -5.000000000000E-01 -5.000000000000E-01
 30 F  20 CA    5.000000000000E-01  0.000000000000E+00 -6.162386701626E-17
 31 F  20 CA    5.000000000000E-01  0.000000000000E+00 -5.000000000000E-01
 32 F  20 CA    0.000000000000E+00 -5.000000000000E-01 -1.110223024625E-16
 33 T  20 CA   -5.445323007150E-03  4.892265739146E-01  3.782170476116E-01
 34 F  20 CA   -4.945546769928E-01  1.077342608540E-02 -1.217829523884E-01
 35 F  20 CA    4.945546769928E-01  1.077342608540E-02 -3.782170476116E-01
 36 F  20 CA    5.445323007150E-03  4.892265739146E-01  1.217829523884E-01
 37 F  20 CA    5.445323007150E-03 -4.892265739146E-01 -3.782170476116E-01
 38 F  20 CA    4.945546769928E-01 -1.077342608540E-02  1.217829523884E-01
 39 F  20 CA   -4.945546769928E-01 -1.077342608540E-02  3.782170476116E-01
 40 F  20 CA   -5.445323007150E-03 -4.892265739146E-01 -1.217829523884E-01
 41 T  20 CA   -4.945562644739E-01  2.835748873027E-01  3.305846234451E-01
 42 F  20 CA   -5.443735526100E-03  2.164251126973E-01 -1.694153765549E-01
 43 F  20 CA    5.443735526100E-03  2.164251126973E-01 -3.305846234451E-01
 44 F  20 CA    4.945562644739E-01  2.835748873027E-01  1.694153765549E-01
 45 F  20 CA    4.945562644739E-01 -2.835748873027E-01 -3.305846234451E-01
 46 F  20 CA    5.443735526100E-03 -2.164251126973E-01  1.694153765549E-01
 47 F  20 CA   -5.443735526100E-03 -2.164251126973E-01  3.305846234451E-01
 48 F  20 CA   -4.945562644739E-01 -2.835748873027E-01 -1.694153765549E-01
```

49	T	20	CA	0.000000000000E+00	-4.864699273331E-01	2.500000000000E-01
50	F	20	CA	5.000000000000E-01	-1.353007266690E-02	-2.500000000000E-01
51	F	20	CA	0.000000000000E+00	4.864699273331E-01	-2.500000000000E-01
52	F	20	CA	5.000000000000E-01	1.353007266690E-02	2.500000000000E-01
53	T	8	O	-2.940487498326E-01	-4.631815505505E-01	4.403539465301E-01
54	F	8	O	-2.059512501674E-01	-3.681844944950E-02	-5.964605346990E-02
55	F	8	O	2.059512501674E-01	-3.681844944950E-02	-4.403539465301E-01
56	F	8	O	2.940487498326E-01	-4.631815505505E-01	5.964605346990E-02
57	F	8	O	2.940487498326E-01	4.631815505505E-01	-4.403539465301E-01
58	F	8	O	2.059512501674E-01	3.681844944950E-02	5.964605346990E-02
59	F	8	O	-2.059512501674E-01	3.681844944950E-02	4.403539465301E-01
60	F	8	O	-2.940487498326E-01	4.631815505505E-01	-5.964605346990E-02
61	T	8	O	-2.953436674142E-01	3.362129593998E-01	3.979263865338E-01
62	F	8	O	-2.046563325858E-01	1.637870406002E-01	-1.020736134662E-01
63	F	8	O	2.046563325858E-01	1.637870406002E-01	-3.979263865338E-01
64	F	8	O	2.953436674142E-01	3.362129593998E-01	1.020736134662E-01
65	F	8	O	2.953436674142E-01	-3.362129593998E-01	-3.979263865338E-01
66	F	8	O	2.046563325858E-01	-1.637870406002E-01	1.020736134662E-01
67	F	8	O	-2.046563325858E-01	-1.637870406002E-01	3.979263865338E-01
68	F	8	O	-2.953436674142E-01	-3.362129593998E-01	-1.020736134662E-01
69	T	8	O	-2.969058003174E-01	3.420858961143E-01	4.885486533098E-01
70	F	8	O	-2.030941996826E-01	1.579141038857E-01	-1.145134669020E-02
71	F	8	O	2.030941996826E-01	1.579141038857E-01	-4.885486533098E-01
72	F	8	O	2.969058003174E-01	3.420858961143E-01	1.145134669020E-02
73	F	8	O	2.969058003174E-01	-3.420858961143E-01	-4.885486533098E-01
74	F	8	O	2.030941996826E-01	-1.579141038857E-01	1.145134669020E-02
75	F	8	O	-2.030941996826E-01	-1.579141038857E-01	4.885486533098E-01
76	F	8	O	-2.969058003174E-01	-3.420858961143E-01	-1.145134669020E-02
77	T	8	O	2.518387990431E-01	4.051389554372E-01	4.409410848509E-01
78	F	8	O	2.481612009569E-01	9.486104456280E-02	-5.905891514910E-02
79	F	8	O	-2.481612009569E-01	9.486104456280E-02	-4.409410848509E-01
80	F	8	O	-2.518387990431E-01	4.051389554372E-01	5.905891514910E-02
81	F	8	O	-2.518387990431E-01	-4.051389554372E-01	-4.409410848509E-01
82	F	8	O	-2.481612009569E-01	-9.486104456280E-02	5.905891514910E-02
83	F	8	O	2.481612009569E-01	-9.486104456280E-02	4.409410848509E-01
84	F	8	O	2.518387990431E-01	-4.051389554372E-01	-5.905891514910E-02
85	T	8	O	2.979156632326E-01	-3.440934675849E-01	3.718471867760E-01
86	F	8	O	2.020843367674E-01	-1.559065324151E-01	-1.281528132240E-01
87	F	8	O	-2.020843367674E-01	-1.559065324151E-01	-3.718471867760E-01
88	F	8	O	-2.979156632326E-01	-3.440934675849E-01	1.281528132240E-01
89	F	8	O	-2.979156632326E-01	3.440934675849E-01	-3.718471867760E-01
90	F	8	O	-2.020843367674E-01	1.559065324151E-01	1.281528132240E-01
91	F	8	O	2.020843367674E-01	1.559065324151E-01	3.718471867760E-01
92	F	8	O	2.979156632326E-01	3.440934675849E-01	-1.281528132240E-01
93	T	8	O	3.075204393321E-01	4.659710789754E-01	3.208827627401E-01
94	F	8	O	1.924795606679E-01	3.402892102460E-02	-1.791172372599E-01
95	F	8	O	-1.924795606679E-01	3.402892102460E-02	-3.208827627401E-01
96	F	8	O	-3.075204393321E-01	4.659710789754E-01	1.791172372599E-01
97	F	8	O	-3.075204393321E-01	-4.659710789754E-01	-3.208827627401E-01
98	F	8	O	-1.924795606679E-01	-3.402892102460E-02	1.791172372599E-01
99	F	8	O	1.924795606679E-01	-3.402892102460E-02	3.208827627401E-01
100	F	8	O	3.075204393321E-01	-4.659710789754E-01	-1.791172372599E-01
101	T	8	O	3.111672550040E-01	-3.295842831939E-01	2.815433193649E-01
102	F	8	O	1.888327449960E-01	-1.704157168061E-01	-2.184566806351E-01
103	F	8	O	-1.888327449960E-01	-1.704157168061E-01	-2.815433193649E-01
104	F	8	O	-3.111672550040E-01	-3.295842831939E-01	2.184566806351E-01
105	F	8	O	-3.111672550040E-01	3.295842831939E-01	-2.815433193649E-01
106	F	8	O	-1.888327449960E-01	1.704157168061E-01	2.184566806351E-01
107	F	8	O	1.888327449960E-01	1.704157168061E-01	2.815433193649E-01
108	F	8	O	3.111672550040E-01	3.295842831939E-01	-2.184566806351E-01
109	T	8	O	-2.433106583281E-01	-4.014112968449E-01	3.240019038336E-01

110	F	8	O	-2.566893416719E-01	-9.858870315510E-02	-1.759980961664E-01
111	F	8	O	2.566893416719E-01	-9.858870315510E-02	-3.240019038336E-01
112	F	8	O	2.433106583281E-01	-4.014112968449E-01	1.759980961664E-01
113	F	8	O	2.433106583281E-01	4.014112968449E-01	-3.240019038336E-01
114	F	8	O	2.566893416719E-01	9.858870315510E-02	1.759980961664E-01
115	F	8	O	-2.566893416719E-01	9.858870315510E-02	3.240019038336E-01
116	F	8	O	-2.433106583281E-01	4.014112968449E-01	-1.759980961664E-01
117	T	8	O	-3.233786150553E-01	-1.581696469000E-01	2.824020544597E-01
118	F	8	O	-1.766213849447E-01	-3.418303531000E-01	-2.175979455403E-01
119	F	8	O	1.766213849447E-01	-3.418303531000E-01	-2.824020544597E-01
120	F	8	O	3.233786150553E-01	-1.581696469000E-01	2.175979455403E-01
121	F	8	O	3.233786150553E-01	1.581696469000E-01	-2.824020544597E-01
122	F	8	O	1.766213849447E-01	3.418303531000E-01	2.175979455403E-01
123	F	8	O	-1.766213849447E-01	3.418303531000E-01	2.824020544597E-01
124	F	8	O	-3.233786150553E-01	1.581696469000E-01	-2.175979455403E-01

T = ATOM BELONGING TO THE ASYMMETRIC UNIT

**** 8 SYMMOPS - TRANSLATORS IN FRACTIONAL UNITS

V	INV	ROTATION MATRICES									TRANSLATOR		
1	1	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2	2	-1.00	0.00	0.00	0.00	-1.00	0.00	0.00	0.00	1.00	0.50	0.50	0.50
3	3	1.00	0.00	0.00	0.00	-1.00	0.00	0.00	0.00	-1.00	0.50	0.50	0.00
4	4	-1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	-1.00	0.00	0.00	0.50
5	5	-1.00	0.00	0.00	0.00	-1.00	0.00	0.00	0.00	-1.00	0.00	0.00	0.00
6	6	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	-1.00	0.50	0.50	0.50
7	7	-1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.50	0.50	0.00
8	8	1.00	0.00	0.00	0.00	-1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.50

DIRECT LATTICE VECTORS CARTESIAN COMPONENTS (ANGSTROM)

X	Y	Z
0.511714370000E+01	0.000000000000E+00	0.000000000000E+00
0.000000000000E+00	0.114775872000E+02	0.000000000000E+00
0.000000000000E+00	0.000000000000E+00	0.288257930800E+02

CARTESIAN COORDINATES - PRIMITIVE CELL

*	ATOM		X(ANGSTROM)	Y(ANGSTROM)	Z(ANGSTROM)
1	14	SI	-2.192358674995E+00	4.646831598400E+00	1.275448254952E+01
2	14	SI	-3.662131750052E-01	1.091962001600E+00	-1.658413990478E+00
3	14	SI	3.662131750052E-01	1.091962001600E+00	-1.275448254952E+01
4	14	SI	2.192358674995E+00	4.646831598400E+00	1.658413990478E+00
5	14	SI	2.192358674995E+00	-4.646831598400E+00	-1.275448254952E+01
6	14	SI	3.662131750052E-01	-1.091962001600E+00	1.658413990478E+00
7	14	SI	-3.662131750052E-01	-1.091962001600E+00	1.275448254952E+01
8	14	SI	-2.192358674995E+00	-4.646831598400E+00	-1.658413990478E+00
9	14	SI	2.255662630566E+00	-4.663157607868E+00	9.436365929996E+00
10	14	SI	3.029092194341E-01	-1.075635992132E+00	-4.976530610004E+00
11	14	SI	-3.029092194341E-01	-1.075635992132E+00	-9.436365929996E+00
12	14	SI	-2.255662630566E+00	-4.663157607868E+00	4.976530610004E+00
13	14	SI	-2.255662630566E+00	4.663157607868E+00	-9.436365929996E+00
14	14	SI	-3.029092194341E-01	1.075635992132E+00	4.976530610004E+00
15	14	SI	3.029092194341E-01	1.075635992132E+00	9.436365929996E+00
16	14	SI	2.255662630566E+00	4.663157607868E+00	-4.976530610004E+00
17	14	SI	2.558571850000E+00	-2.750689470601E+00	7.206448270000E+00
18	14	SI	0.000000000000E+00	-2.988104129399E+00	-7.206448270000E+00
19	14	SI	2.558571850000E+00	2.750689470601E+00	-7.206448270000E+00
20	14	SI	0.000000000000E+00	2.988104129399E+00	7.206448270000E+00
21	20	CA	2.544821935705E+00	-3.247503358631E+00	1.274879258840E+01

22	20	CA	1.374991429534E-02	-2.491290241369E+00	-1.664103951605E+00
23	20	CA	-1.374991429534E-02	-2.491290241369E+00	-1.274879258840E+01
24	20	CA	-2.544821935705E+00	-3.247503358631E+00	1.664103951605E+00
25	20	CA	-2.544821935705E+00	3.247503358631E+00	-1.274879258840E+01
26	20	CA	-1.374991429534E-02	2.491290241369E+00	1.664103951605E+00
27	20	CA	1.374991429534E-02	2.491290241369E+00	1.274879258840E+01
28	20	CA	2.544821935705E+00	3.247503358631E+00	-1.664103951605E+00
29	20	CA	0.000000000000E+00	5.738793600000E+00	1.441289654000E+01
30	20	CA	2.558571850000E+00	0.000000000000E+00	-1.776356839400E-15
31	20	CA	2.558571850000E+00	0.000000000000E+00	1.441289654000E+01
32	20	CA	0.000000000000E+00	5.738793600000E+00	-3.200305918050E-15
33	20	CA	-2.786450032050E-02	5.615140662662E+00	1.090240635378E+01
34	20	CA	-2.530707349679E+00	1.236529373379E-01	-3.510490186220E+00
35	20	CA	2.530707349679E+00	1.236529373379E-01	-1.090240635378E+01
36	20	CA	2.786450032050E-02	5.615140662662E+00	3.510490186220E+00
37	20	CA	2.786450032050E-02	-5.615140662662E+00	-1.090240635378E+01
38	20	CA	2.530707349679E+00	-1.236529373379E-01	3.510490186220E+00
39	20	CA	-2.530707349679E+00	-1.236529373379E-01	1.090240635378E+01
40	20	CA	-2.786450032050E-02	-5.615140662662E+00	-3.510490186220E+00
41	20	CA	-2.530715473048E+00	3.254755496747E+00	9.529363950858E+00
42	20	CA	-2.785637695185E-02	2.484038103253E+00	-4.883532589142E+00
43	20	CA	2.785637695185E-02	2.484038103253E+00	-9.529363950858E+00
44	20	CA	2.530715473048E+00	3.254755496747E+00	4.883532589142E+00
45	20	CA	2.530715473048E+00	-3.254755496747E+00	-9.529363950858E+00
46	20	CA	2.785637695185E-02	-2.484038103253E+00	4.883532589142E+00
47	20	CA	-2.785637695185E-02	-2.484038103253E+00	9.529363950858E+00
48	20	CA	-2.530715473048E+00	-3.254755496747E+00	-4.883532589142E+00
49	20	CA	0.000000000000E+00	-5.583501011143E+00	7.206448270000E+00
50	20	CA	2.558571850000E+00	-1.552925888567E-01	-7.206448270000E+00
51	20	CA	0.000000000000E+00	5.583501011143E+00	-7.206448270000E+00
52	20	CA	2.558571850000E+00	1.552925888567E-01	7.206448270000E+00
53	8	O	-1.504689707699E+00	-5.316206635875E+00	1.269355174464E+01
54	8	O	-1.053882142301E+00	-4.225869641254E-01	-1.719344795362E+00
55	8	O	1.053882142301E+00	-4.225869641254E-01	-1.269355174464E+01
56	8	O	1.504689707699E+00	-5.316206635875E+00	1.719344795362E+00
57	8	O	1.504689707699E+00	5.316206635875E+00	-1.269355174464E+01
58	8	O	1.053882142301E+00	4.225869641254E-01	1.719344795362E+00
59	8	O	-1.053882142301E+00	4.225869641254E-01	1.269355174464E+01
60	8	O	-1.504689707699E+00	5.316206635875E+00	-1.719344795362E+00
61	8	O	-1.511315987043E+00	3.858913559281E+00	1.147054367930E+01
62	8	O	-1.047255862957E+00	1.879880040719E+00	-2.942352860705E+00
63	8	O	1.047255862957E+00	1.879880040719E+00	-1.147054367930E+01
64	8	O	1.511315987043E+00	3.858913559281E+00	2.942352860705E+00
65	8	O	1.511315987043E+00	-3.858913559281E+00	-1.147054367930E+01
66	8	O	1.047255862957E+00	-1.879880040719E+00	2.942352860705E+00
67	8	O	-1.047255862957E+00	-1.879880040719E+00	1.147054367930E+01
68	8	O	-1.511315987043E+00	-3.858913559281E+00	-2.942352860705E+00
69	8	O	-1.519309645588E+00	3.926320702542E+00	1.408280238982E+01
70	8	O	-1.039262204412E+00	1.812472897458E+00	-3.300941501791E-01
71	8	O	1.039262204412E+00	1.812472897458E+00	-1.408280238982E+01
72	8	O	1.519309645588E+00	3.926320702542E+00	3.300941501791E-01
73	8	O	1.519309645588E+00	-3.926320702542E+00	-1.408280238982E+01
74	8	O	1.039262204412E+00	-1.812472897458E+00	3.300941501791E-01
75	8	O	-1.039262204412E+00	-1.812472897458E+00	1.408280238982E+01
76	8	O	-1.519309645588E+00	-3.926320702542E+00	-3.300941501791E-01
77	8	O	1.288695323939E+00	4.650017689147E+00	1.271047647238E+01
78	8	O	1.269876526061E+00	1.088775910853E+00	-1.702420067617E+00
79	8	O	-1.269876526061E+00	1.088775910853E+00	-1.271047647238E+01
80	8	O	-1.288695323939E+00	4.650017689147E+00	1.702420067617E+00
81	8	O	-1.288695323939E+00	-4.650017689147E+00	-1.271047647238E+01
82	8	O	-1.269876526061E+00	-1.088775910853E+00	1.702420067617E+00

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 83     8 O     1.269876526061E+00 -1.088775910853E+00  1.271047647238E+01
 84     8 O     1.288695323939E+00 -4.650017689147E+00 -1.702420067617E+00
 85     8 O     1.524477259242E+00 -3.949362779156E+00  1.071879006339E+01
 86     8 O     1.034094590758E+00 -1.789430820844E+00 -3.694106476615E+00
 87     8 O    -1.034094590758E+00 -1.789430820844E+00 -1.071879006339E+01
 88     8 O    -1.524477259242E+00 -3.949362779156E+00  3.694106476615E+00
 89     8 O    -1.524477259242E+00  3.949362779156E+00 -1.071879006339E+01
 90     8 O    -1.034094590758E+00  1.789430820844E+00  3.694106476615E+00
 91     8 O     1.034094590758E+00  1.789430820844E+00  1.071879006339E+01
 92     8 O     1.524477259242E+00  3.949362779156E+00 -3.694106476615E+00
 93     8 O     1.573626278749E+00  5.348223691618E+00  9.249700121685E+00
 94     8 O     9.849455712505E-01  3.905699083818E-01 -5.163196418315E+00
 95     8 O    -9.849455712505E-01  3.905699083818E-01 -9.249700121685E+00
 96     8 O    -1.573626278749E+00  5.348223691618E+00  5.163196418315E+00
 97     8 O    -1.573626278749E+00 -5.348223691618E+00 -9.249700121685E+00
 98     8 O    -9.849455712505E-01 -3.905699083818E-01  5.163196418315E+00
 99     8 O     9.849455712505E-01 -3.905699083818E-01  9.249700121685E+00
100     8 O     1.573626278749E+00 -5.348223691618E+00 -5.163196418315E+00
101     8 O     1.592287558590E+00 -3.782832350107E+00  8.115709467069E+00
102     8 O     9.662842914100E-01 -1.955961249893E+00 -6.297187072931E+00
103     8 O    -9.662842914100E-01 -1.955961249893E+00 -8.115709467069E+00
104     8 O    -1.592287558590E+00 -3.782832350107E+00  6.297187072931E+00
105     8 O    -1.592287558590E+00  3.782832350107E+00 -8.115709467069E+00
106     8 O    -9.662842914100E-01  1.955961249893E+00  6.297187072931E+00
107     8 O     9.662842914100E-01  1.955961249893E+00  8.115709467069E+00
108     8 O     1.592287558590E+00  3.782832350107E+00 -6.297187072931E+00
109     8 O    -1.245055602406E+00 -4.607233162602E+00  9.339611837433E+00
110     8 O    -1.313516247594E+00 -1.131560437398E+00 -5.073284702567E+00
111     8 O     1.313516247594E+00 -1.131560437398E+00 -9.339611837433E+00
112     8 O     1.245055602406E+00 -4.607233162602E+00  5.073284702567E+00
113     8 O     1.245055602406E+00  4.607233162602E+00 -9.339611837433E+00
114     8 O     1.313516247594E+00  1.131560437398E+00  5.073284702567E+00
115     8 O    -1.313516247594E+00  1.131560437398E+00  9.339611837433E+00
116     8 O    -1.245055602406E+00  4.607233162602E+00 -5.073284702567E+00
117     8 O    -1.654774842745E+00 -1.815405914688E+00  8.140463187222E+00
118     8 O    -9.037970072550E-01 -3.923387685312E+00 -6.272433352778E+00
119     8 O     9.037970072550E-01 -3.923387685312E+00 -8.140463187222E+00
120     8 O     1.654774842745E+00 -1.815405914688E+00  6.272433352778E+00
121     8 O     1.654774842745E+00  1.815405914688E+00 -8.140463187222E+00
122     8 O     9.037970072550E-01  3.923387685312E+00  6.272433352778E+00
123     8 O    -9.037970072550E-01  3.923387685312E+00  8.140463187222E+00
124     8 O    -1.654774842745E+00  1.815405914688E+00 -6.272433352778E+00

*****************************************************************************
LOCAL ATOMIC FUNCTIONS BASIS SET
*****************************************************************************
  ATOM  X(AU)  Y(AU)  Z(AU)    NO. TYPE  EXPONENT  S COEF   P COEF   D/F/G COEF
*****************************************************************************
  1 SI -4.143  8.781 24.102
                                  1 S
                                         8.765E+04 2.370E-04 0.000E+00 0.000E+00
                                         1.285E+04 1.920E-03 0.000E+00 0.000E+00
                                         2.786E+03 1.090E-02 0.000E+00 0.000E+00
                                         7.280E+02 4.960E-02 0.000E+00 0.000E+00
                                         2.195E+02 1.668E-01 0.000E+00 0.000E+00
                                         7.590E+01 3.630E-01 0.000E+00 0.000E+00
                                         2.946E+01 4.051E-01 0.000E+00 0.000E+00
                                         1.199E+01 1.504E-01 0.000E+00 0.000E+00
                              2-   5 SP
                                         1.660E+02-8.840E-03 9.090E-03 0.000E+00
                                         3.937E+01-8.590E-02 6.010E-02 0.000E+00
```

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                                        1.271E+01-7.120E-02 1.952E-01 0.000E+00
                                        4.718E+00 4.147E-01 3.384E-01 0.000E+00
                                        1.848E+00 6.168E-01 3.006E-01 0.000E+00
                                        7.365E-01 1.154E-01 6.480E-02 0.000E+00
                          6-   9 SP
                                        4.175E+00-1.990E-02-8.700E-03 0.000E+00
                                        1.447E+00-1.864E-01-4.380E-03 0.000E+00
                                        5.023E-01 9.670E-02 2.207E-01 0.000E+00
                         10-  13 SP
                                        3.330E-01 1.000E+00 1.000E+00 0.000E+00
                         14-  17 SP
                                        1.300E-01 1.000E+00 1.000E+00 0.000E+00
                         18-  22 D
                                        6.820E-01 0.000E+00 0.000E+00 1.000E+00
 2 SI -0.692  2.064 -3.134
 3 SI  0.692  2.064-24.102
 4 SI  4.143  8.781  3.134
 5 SI  4.143 -8.781-24.102
 6 SI  0.692 -2.064  3.134
 7 SI -0.692 -2.064 24.102
 8 SI -4.143 -8.781 -3.134
 9 SI  4.263 -8.812 17.832
10 SI  0.572 -2.033 -9.404
11 SI -0.572 -2.033-17.832
12 SI -4.263 -8.812  9.404
13 SI -4.263  8.812-17.832
14 SI -0.572  2.033  9.404
15 SI  0.572  2.033 17.832
16 SI  4.263  8.812 -9.404
17 SI  4.835 -5.198 13.618
18 SI  0.000 -5.647-13.618
19 SI  4.835  5.198-13.618
20 SI  0.000  5.647 13.618
21 CA  4.809 -6.137 24.092
                             441 S
                                        1.913E+05 2.204E-04 0.000E+00 0.000E+00
                                        2.697E+04 1.925E-03 0.000E+00 0.000E+00
                                        5.696E+03 1.109E-02 0.000E+00 0.000E+00
                                        1.489E+03 4.995E-02 0.000E+00 0.000E+00
                                        4.483E+02 1.701E-01 0.000E+00 0.000E+00
                                        1.546E+02 3.685E-01 0.000E+00 0.000E+00
                                        6.037E+01 4.034E-01 0.000E+00 0.000E+00
                                        2.509E+01 1.452E-01 0.000E+00 0.000E+00
                        442- 445 SP
                                        4.486E+02-5.750E-03 8.470E-03 0.000E+00
                                        1.057E+02-7.670E-02 6.027E-02 0.000E+00
                                        3.469E+01-1.122E-01 2.124E-01 0.000E+00
                                        1.350E+01 2.537E-01 3.771E-01 0.000E+00
                                        5.820E+00 6.880E-01 4.010E-01 0.000E+00
                                        1.819E+00 3.490E-01 1.980E-01 0.000E+00
                        446- 449 SP
                                        2.075E+01-2.000E-03-3.650E-02 0.000E+00
                                        8.400E+00-1.255E-01-6.850E-02 0.000E+00
                                        3.597E+00-6.960E-01 1.570E-01 0.000E+00
                                        1.408E+00 1.029E+00 1.482E+00 0.000E+00
                                        7.260E-01 9.440E-01 1.025E+00 0.000E+00
                        450- 453 SP
                                        4.630E-01 1.000E+00 1.000E+00 0.000E+00
                        454- 457 SP
                                        2.790E-01 1.000E+00 1.000E+00 0.000E+00
                        458- 462 D
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                                        3.922E+00 0.000E+00 0.000E+00 1.390E-01
                                        1.095E+00 0.000E+00 0.000E+00 3.260E-01
                         463- 467 D
                                        3.430E-01 0.000E+00 0.000E+00 4.270E-01
22 CA  0.026 -4.708 -3.145
23 CA -0.026 -4.708-24.092
24 CA -4.809 -6.137  3.145
25 CA -4.809  6.137-24.092
26 CA -0.026  4.708  3.145
27 CA  0.026  4.708 24.092
28 CA  4.809  6.137 -3.145
29 CA  0.000 10.845 27.236
30 CA  4.835  0.000  0.000
31 CA  4.835  0.000 27.236
32 CA  0.000 10.845  0.000
33 CA -0.053 10.611 20.603
34 CA -4.782  0.234 -6.634
35 CA  4.782  0.234-20.603
36 CA  0.053 10.611  6.634
37 CA  0.053-10.611-20.603
38 CA  4.782 -0.234  6.634
39 CA -4.782 -0.234 20.603
40 CA -0.053-10.611 -6.634
41 CA -4.782  6.151 18.008
42 CA -0.053  4.694 -9.229
43 CA  0.053  4.694-18.008
44 CA  4.782  6.151  9.229
45 CA  4.782 -6.151-18.008
46 CA  0.053 -4.694  9.229
47 CA -0.053 -4.694 18.008
48 CA -4.782 -6.151 -9.229
49 CA  0.000-10.551 13.618
50 CA  4.835 -0.293-13.618
51 CA  0.000 10.551-13.618
52 CA  4.835  0.293 13.618
53 O  -2.843-10.046 23.987
                             1305 S
                                        8.020E+03 1.080E-03 0.000E+00 0.000E+00
                                        1.338E+03 8.040E-03 0.000E+00 0.000E+00
                                        2.554E+02 5.324E-02 0.000E+00 0.000E+00
                                        6.922E+01 1.681E-01 0.000E+00 0.000E+00
                                        2.390E+01 3.581E-01 0.000E+00 0.000E+00
                                        9.264E+00 3.855E-01 0.000E+00 0.000E+00
                                        3.851E+00 1.468E-01 0.000E+00 0.000E+00
                                        1.212E+00 7.280E-02 0.000E+00 0.000E+00
                         1306-1309 SP
                                        4.943E+01-8.830E-03 9.580E-03 0.000E+00
                                        1.047E+01-9.150E-02 6.960E-02 0.000E+00
                                        3.235E+00-4.020E-02 2.065E-01 0.000E+00
                                        1.217E+00 3.790E-01 3.470E-01 0.000E+00
                         1310-1313 SP
                                        4.600E-01 1.000E+00 1.000E+00 0.000E+00
                         1314-1317 SP
                                        1.700E-01 1.000E+00 1.000E+00 0.000E+00
                         1318-1322 D
                                        5.560E-01 0.000E+00 0.000E+00 1.000E+00
54 O  -1.992 -0.799 -3.249
55 O   1.992 -0.799-23.987
56 O   2.843-10.046  3.249
57 O   2.843 10.046-23.987
58 O   1.992  0.799  3.249
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59	O	-1.992	0.799	23.987
60	O	-2.843	10.046	-3.249
61	O	-2.856	7.292	21.676
62	O	-1.979	3.552	-5.560
63	O	1.979	3.552	-21.676
64	O	2.856	7.292	5.560
65	O	2.856	-7.292	-21.676
66	O	1.979	-3.552	5.560
67	O	-1.979	-3.552	21.676
68	O	-2.856	-7.292	-5.560
69	O	-2.871	7.420	26.613
70	O	-1.964	3.425	-0.624
71	O	1.964	3.425	-26.613
72	O	2.871	7.420	0.624
73	O	2.871	-7.420	-26.613
74	O	1.964	-3.425	0.624
75	O	-1.964	-3.425	26.613
76	O	-2.871	-7.420	-0.624
77	O	2.435	8.787	24.019
78	O	2.400	2.057	-3.217
79	O	-2.400	2.057	-24.019
80	O	-2.435	8.787	3.217
81	O	-2.435	-8.787	-24.019
82	O	-2.400	-2.057	3.217
83	O	2.400	-2.057	24.019
84	O	2.435	-8.787	-3.217
85	O	2.881	-7.463	20.256
86	O	1.954	-3.382	-6.981
87	O	-1.954	-3.382	-20.256
88	O	-2.881	-7.463	6.981
89	O	-2.881	7.463	-20.256
90	O	-1.954	3.382	6.981
91	O	1.954	3.382	20.256
92	O	2.881	7.463	-6.981
93	O	2.974	10.107	17.479
94	O	1.861	0.738	-9.757
95	O	-1.861	0.738	-17.479
96	O	-2.974	10.107	9.757
97	O	-2.974	-10.107	-17.479
98	O	-1.861	-0.738	9.757
99	O	1.861	-0.738	17.479
100	O	2.974	-10.107	-9.757
101	O	3.009	-7.149	15.336
102	O	1.826	-3.696	-11.900
103	O	-1.826	-3.696	-15.336
104	O	-3.009	-7.149	11.900
105	O	-3.009	7.149	-15.336
106	O	-1.826	3.696	11.900
107	O	1.826	3.696	15.336
108	O	3.009	7.149	-11.900
109	O	-2.353	-8.706	17.649
110	O	-2.482	-2.138	-9.587
111	O	2.482	-2.138	-17.649
112	O	2.353	-8.706	9.587
113	O	2.353	8.706	-17.649
114	O	2.482	2.138	9.587
115	O	-2.482	2.138	17.649
116	O	-2.353	8.706	-9.587
117	O	-3.127	-3.431	15.383
118	O	-1.708	-7.414	-11.853
119	O	1.708	-7.414	-15.383

```
120 O   3.127 -3.431 11.853
121 O   3.127  3.431-15.383
122 O   1.708  7.414 11.853
123 O  -1.708  7.414 15.383
124 O  -3.127  3.431-11.853
INFORMATION **** READM2 **** FULL DIRECT SCF (MONO AND BIEL INT) SELECTED
INFORMATION **** TOLINTEG **** COULOMB AND EXCHANGE SERIES TOLERANCES MODIFIED
INFORMATION **** TOLDEE **** SCF TOL ON TOTAL ENERGY SET TO          10

MODIFIED BROYDEN MIXING OF THE FOCK MATRIX
WO PARAMETER(D.D. Johnson, PRB38, 12807,(1988)             1.0000E-04
% OF FOCK/KS MATRICES MIXING WHEN BROYDEN METHOD IS ON             50
NUMBER OF SCF ITERATIONS AFTER WHICH BROYDEN METHOD IS ACTIVE       2
INFORMATION **** MAXCYCLE **** MAX NUMBER OF SCF CYCLES SET TO         200
INFORMATION **** BIPOSIZE **** COULOMB BIPOLAR BUFFER SET TO     6818200
INFORMATION **** EXCHSIZE **** EXCHANGE BIPOLAR BUFFER SIZE SET TO     6992232
*************************************************************************
N. OF ATOMS PER CELL      124  COULOMB OVERLAP TOL         (T1) 10** -7
NUMBER OF SHELLS          704  COULOMB PENETRATION TOL     (T2) 10** -7
NUMBER OF AO             2600  EXCHANGE OVERLAP TOL        (T3) 10** -7
N. OF ELECTRONS PER CELL 1496  EXCHANGE PSEUDO OVP (F(G))  (T4) 10** -7
CORE ELECTRONS PER CELL   920  EXCHANGE PSEUDO OVP (P(G))  (T5) 10**-15
N. OF SYMMETRY OPERATORS    8  POLE ORDER IN MONO ZONE               4
*************************************************************************
TYPE OF CALCULATION :  RESTRICTED CLOSED SHELL
KOHN-SHAM HAMILTONIAN

(EXCHANGE)[CORRELATION] FUNCTIONAL:(PERDEW-BURKE-ERNZERHOF)[PERDEW-BURKE-ERNZERHOF]


HYBRID EXCHANGE - PERCENTAGE OF FOCK EXCHANGE    16.6670

CAPPA:IS1  4;IS2  4;IS3  4; K PTS MONK NET   27; SYMMOPS: K SPACE  8;G SPACE  8

*************************************************************************
MAX NUMBER OF SCF CYCLES     200  CONVERGENCE ON DELTAP        10**-20
WEIGHT OF F(I) IN F(I+1)      80% CONVERGENCE ON ENERGY        10**-10
SHRINK. FACT.(MONKH.)    4  4  4  NUMBER OF K POINTS IN THE IBZ     27
SHRINKING FACTOR(GILAT NET)    4  NUMBER OF K POINTS(GILAT NET)     27
*************************************************************************
*** K POINTS COORDINATES (OBLIQUE COORDINATES IN UNITS OF IS =  4)
  1-R(  0  0  0)   2-C(  1  0  0)   3-R(  2  0  0)   4-C(  0  1  0)
  5-C(  1  1  0)   6-C(  2  1  0)   7-R(  0  2  0)   8-C(  1  2  0)
  9-R(  2  2  0)  10-C(  0  0  1)  11-C(  1  0  1)  12-C(  2  0  1)
 13-C(  0  1  1)  14-C(  1  1  1)  15-C(  2  1  1)  16-C(  0  2  1)
 17-C(  1  2  1)  18-C(  2  2  1)  19-R(  0  0  2)  20-C(  1  0  2)
 21-R(  2  0  2)  22-C(  0  1  2)  23-C(  1  1  2)  24-C(  2  1  2)
 25-R(  0  2  2)  26-C(  1  2  2)  27-R(  2  2  2)

DIRECT LATTICE VECTORS COMPON. (A.U.)     RECIP. LATTICE VECTORS COMPON. (A.U.)
       X            Y            Z              X            Y            Z
   9.6700002    0.0000000    0.0000000      0.6497606    0.0000000    0.0000000
   0.0000000   21.6894965    0.0000000      0.0000000    0.2896879    0.0000000
   0.0000000    0.0000000   54.4728545      0.0000000    0.0000000    0.1153453

DISK SPACE FOR EIGENVECTORS (FTN 10)  310960000 REALS

SYMMETRY ADAPTION OF THE BLOCH FUNCTIONS ENABLED
TTTTTTTTTTTTTTTTTTTTTTTTTTTTT gordsh1     TELAPSE        0.51 TCPU        0.25

DIMENSIONS  P(G)= 5666296 F(G)=  906332 P(G),F(G) (IRR)  360541
```

MAX G-VECTOR INDEX FOR 1- AND 2-ELECTRON INTEGRALS 105

TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT INPUT TELAPSE 3.60 TCPU 3.34

NEIGHBORS OF THE NON-EQUIVALENT ATOMS

N = NUMBER OF NEIGHBORS AT DISTANCE R

ATOM	N	R/ANG	R/AU	NEIGHBORS (ATOM LABELS AND CELL INDICES)								
1 SI	1	1.6367	3.0929	77 O	-1	0	0					
1 SI	1	1.6532	3.1241	61 O	0	0	0					
1 SI	1	1.6543	3.1261	69 O	0	0	0					
1 SI	1	1.6645	3.1454	53 O	0	1	0					
1 SI	1	2.9579	5.5896	29 CA	0	0	0					
1 SI	1	3.0088	5.6858	33 CA	0	0	0					
9 SI	1	1.6203	3.0619	109 O	1	0	0					
9 SI	1	1.6278	3.0761	93 O	0	-1	0					
9 SI	1	1.6397	3.0987	85 O	0	0	0					
9 SI	1	1.7202	3.2508	101 O	0	0	0					
9 SI	1	2.9533	5.5809	17 SI	0	0	0					
9 SI	1	2.9668	5.6065	33 CA	0	-1	0					
17 SI	2	1.6012	3.0259	117 O	1	0	0	120 O	0	0	0	
17 SI	2	1.6810	3.1766	101 O	0	0	0	104 O	1	0	0	
17 SI	1	2.9060	5.4915	52 CA	0	0	0					
17 SI	2	2.9533	5.5809	9 SI	0	0	0	12 SI	1	0	0	
17 SI	2	3.1181	5.8923	109 O	1	0	0	112 O	0	0	0	
17 SI	2	3.4455	6.5111	46 CA	0	0	0	47 CA	1	0	0	
21 CA	1	2.3286	4.4004	53 O	1	0	0					
21 CA	1	2.3429	4.4275	73 O	0	0	1					
21 CA	1	2.3779	4.4937	85 O	0	0	0					
21 CA	1	2.4146	4.5629	67 O	1	0	0					
21 CA	1	2.4878	4.7013	75 O	1	0	0					
21 CA	1	2.5074	4.7383	83 O	0	0	0					
29 CA	2	2.3235	4.3908	53 O	0	1	0	57 O	0	0	1	
29 CA	2	2.3880	4.5126	69 O	0	0	0	73 O	0	1	1	
29 CA	2	2.3967	4.5292	77 O	0	0	0	81 O	0	1	1	
29 CA	2	2.9579	5.5896	1 SI	0	0	0	5 SI	0	1	1	
29 CA	2	3.5128	6.6382	33 CA	0	0	0	37 CA	0	1	1	
29 CA	2	3.5351	6.6804	1 SI	1	0	0	5 SI	-1	1	1	
33 CA	1	2.3168	4.3781	93 O	0	0	0					
33 CA	1	2.3451	4.4316	109 O	0	1	0					
33 CA	1	2.3681	4.4750	61 O	0	0	0					
33 CA	1	2.3849	4.5067	53 O	0	1	0					
33 CA	1	2.4360	4.6033	77 O	0	0	0					
33 CA	1	2.4705	4.6686	85 O	0	1	0					
41 CA	1	2.2412	4.2353	123 O	0	0	0					
41 CA	1	2.2743	4.2978	61 O	0	0	0					
41 CA	1	2.3423	4.4264	93 O	-1	0	0					
41 CA	1	2.4437	4.6179	91 O	-1	0	0					
41 CA	1	2.4547	4.6387	115 O	0	0	0					
41 CA	1	2.5120	4.7470	107 O	-1	0	0					
49 CA	2	2.3607	4.4611	122 O	0	-1	0	123 O	0	-1	0	
49 CA	2	2.5699	4.8565	101 O	0	0	0	104 O	0	0	0	
49 CA	2	2.6361	4.9816	93 O	0	-1	0	96 O	0	-1	0	
49 CA	2	2.6559	5.0189	109 O	0	0	0	112 O	0	0	0	

49	CA	1	2.9060	5.4915	20	SI	0	-1	0				
49	CA	2	3.3027	6.2411	9	SI	0	0	0	12	SI	0	0	0
53	O	1	1.6645	3.1454	1	SI	0	-1	0				
53	O	1	2.3235	4.3908	29	CA	0	-1	0				
53	O	1	2.3286	4.4004	21	CA	-1	0	0				
53	O	1	2.3849	4.5067	33	CA	0	-1	0				
53	O	1	2.6071	4.9268	61	O	0	-1	0				
53	O	1	2.6317	4.9731	69	O	0	-1	0				
61	O	1	1.6532	3.1241	1	SI	0	0	0				
61	O	1	2.2743	4.2978	41	CA	0	0	0				
61	O	1	2.3681	4.4750	33	CA	0	0	0				
61	O	1	2.4146	4.5629	27	CA	0	0	0				
61	O	1	2.6071	4.9268	53	O	0	1	0				
61	O	1	2.6131	4.9381	69	O	0	0	0				
69	O	1	1.6543	3.1261	1	SI	0	0	0				
69	O	1	2.3429	4.4275	25	CA	0	0	1				
69	O	1	2.3880	4.5126	29	CA	0	0	0				
69	O	1	2.4878	4.7013	27	CA	0	0	0				
69	O	1	2.6131	4.9381	61	O	0	0	0				
69	O	1	2.6317	4.9731	53	O	0	1	0				
77	O	1	1.6367	3.0929	1	SI	1	0	0				
77	O	1	2.3967	4.5292	29	CA	0	0	0				
77	O	1	2.4360	4.6033	33	CA	0	0	0				
77	O	1	2.5074	4.7383	27	CA	0	0	0				
77	O	1	2.7445	5.1864	61	O	1	0	0				
77	O	1	2.7721	5.2384	53	O	1	1	0				
85	O	1	1.6397	3.0987	9	SI	0	0	0				
85	O	1	2.3779	4.4937	21	CA	0	0	0				
85	O	1	2.4437	4.6179	47	CA	0	0	0				
85	O	1	2.4705	4.6686	33	CA	0	-1	0				
85	O	1	2.6093	4.9308	101	O	0	0	0				
85	O	1	2.6293	4.9686	93	O	0	-1	0				
93	O	1	1.6278	3.0761	9	SI	0	1	0				
93	O	1	2.3168	4.3781	33	CA	0	0	0				
93	O	1	2.3423	4.4264	41	CA	1	0	0				
93	O	1	2.6062	4.9251	101	O	0	1	0				
93	O	1	2.6293	4.9686	85	O	0	1	0				
93	O	1	2.6361	4.9816	49	CA	0	1	0				
101	O	1	1.6810	3.1766	17	SI	0	0	0				
101	O	1	1.7202	3.2508	9	SI	0	0	0				
101	O	1	2.5120	4.7470	47	CA	0	0	0				
101	O	1	2.5699	4.8565	49	CA	0	0	0				
101	O	1	2.6062	4.9251	93	O	0	-1	0				
101	O	1	2.6093	4.9308	85	O	0	0	0				
109	O	1	1.6203	3.0619	9	SI	-1	0	0				
109	O	1	2.3451	4.4316	33	CA	0	-1	0				
109	O	1	2.4547	4.6387	47	CA	0	0	0				
109	O	1	2.6559	5.0189	49	CA	0	0	0				
109	O	1	2.7157	5.1319	101	O	-1	0	0				
109	O	1	2.7582	5.2123	93	O	-1	-1	0				
117	O	1	1.6012	3.0259	17	SI	-1	0	0				
117	O	1	2.2412	4.2353	47	CA	0	0	0				

```
117 O    1     2.3607     4.4611  52 CA  -1 0 0
117 O    1     2.5994     4.9122 120 O   -1 0 0
117 O    1     2.6967     5.0961 104 O    0 0 0
117 O    1     2.7145     5.1297 101 O   -1 0 0


SYMMETRY ALLOWED INTERNAL DEGREE(S) OF FREEDOM:  44
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT SYMM        TELAPSE       10.53 TCPU        9.51
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT INT_SCREEN  TELAPSE       10.81 TCPU        9.79

*****************************************************************************
*                                                                           *
*                                                                           *
*         FFFFF  RRRR   EEEE   EEE   U   U  EEEE  N   N   CCC  Y   Y        *
*         F      R   R  E     E   E  U   U  E     NN  N  C      Y Y         *
*         FFF    RRRR   EEEE  E   E  U   U  EEEE  N N N  C       Y          *
*         F      R   R  E     E  EE  U   U  E     N  NN  C       Y          *
*         F      R   R  EEEE   EE E   UUU   EEEE  N   N   CCC    Y          *
*                                                                           *
*                                                                           *
* CALCULATION OF PHONON FREQUENCIES AT THE GAMMA POINT.                     *
*                                                                           *
* SYMMETRY IS EXPLOITED TO BUILD THE TOTAL HESSIAN MATRIX.                  *
* (F. PASCALE PHD THESIS TURIN-PARIS 2002)                                  *
*                                                                           *
*****************************************************************************


*                                                                           *
* REFERENCES TO BE QUOTED WHEN USING THIS MODULE:                           *
*                                                                           *
* F. Pascale, C.M. Zicovich-Wilson, F. Lopez, B. Civalleri                  *
* R. Orlando, R. Dovesi                                                     *
* The calculation of the vibration frequencies of crystalline               *
* compounds and its implementation in the CRYSTAL code                     *
* J. Comput. Chem. 25 (2004) 888-897                                        *
*                                                                           *
* C.M. Zicovich-Wilson, F. Pascale, C. Roetti, V.R. Saunders,               *
* R. Orlando, R. Dovesi                                                     *
* The calculation of the vibration frequencies of alpha-quartz:             *
* the effect of hamiltonian and basis set                                   *
* J. Comput. Chem. 25 (2004) 1873-1881                                      *
*****************************************************************************


ATOMS ISOTOPIC MASS (AMU) FOR FREQUENCY CALCULATION

   1 SI     27.9769    2 SI     27.9769    3 SI     27.9769    4 SI     27.9769
   5 SI     27.9769    6 SI     27.9769    7 SI     27.9769    8 SI     27.9769
   9 SI     27.9769   10 SI     27.9769   11 SI     27.9769   12 SI     27.9769
  13 SI     27.9769   14 SI     27.9769   15 SI     27.9769   16 SI     27.9769
  17 SI     27.9769   18 SI     27.9769   19 SI     27.9769   20 SI     27.9769
  21 CA     39.9626   22 CA     39.9626   23 CA     39.9626   24 CA     39.9626
  25 CA     39.9626   26 CA     39.9626   27 CA     39.9626   28 CA     39.9626
  29 CA     39.9626   30 CA     39.9626   31 CA     39.9626   32 CA     39.9626
  33 CA     39.9626   34 CA     39.9626   35 CA     39.9626   36 CA     39.9626
  37 CA     39.9626   38 CA     39.9626   39 CA     39.9626   40 CA     39.9626
  41 CA     39.9626   42 CA     39.9626   43 CA     39.9626   44 CA     39.9626
  45 CA     39.9626   46 CA     39.9626   47 CA     39.9626   48 CA     39.9626
  49 CA     39.9626   50 CA     39.9626   51 CA     39.9626   52 CA     39.9626
```

53	O	15.9949	54	O	15.9949	55	O	15.9949	56 O 15.9949
57	O	15.9949	58	O	15.9949	59	O	15.9949	60 O 15.9949
61	O	15.9949	62	O	15.9949	63	O	15.9949	64 O 15.9949
65	O	15.9949	66	O	15.9949	67	O	15.9949	68 O 15.9949
69	O	15.9949	70	O	15.9949	71	O	15.9949	72 O 15.9949
73	O	15.9949	74	O	15.9949	75	O	15.9949	76 O 15.9949
77	O	15.9949	78	O	15.9949	79	O	15.9949	80 O 15.9949
81	O	15.9949	82	O	15.9949	83	O	15.9949	84 O 15.9949
85	O	15.9949	86	O	15.9949	87	O	15.9949	88 O 15.9949
89	O	15.9949	90	O	15.9949	91	O	15.9949	92 O 15.9949
93	O	15.9949	94	O	15.9949	95	O	15.9949	96 O 15.9949
97	O	15.9949	98	O	15.9949	99	O	15.9949	100 O 15.9949
101	O	15.9949	102	O	15.9949	103	O	15.9949	104 O 15.9949
105	O	15.9949	106	O	15.9949	107	O	15.9949	108 O 15.9949
109	O	15.9949	110	O	15.9949	111	O	15.9949	112 O 15.9949
113	O	15.9949	114	O	15.9949	115	O	15.9949	116 O 15.9949
117	O	15.9949	118	O	15.9949	119	O	15.9949	120 O 15.9949
121	O	15.9949	122	O	15.9949	123	O	15.9949	124 O 15.9949

STEP SIZE 0.0030 ANGSTROM

INFORMATION CONCERNING THE SCF+GRADIENT CALCULATIONS REQUIRED FOR
GENERATING FREQUENCIES. IN PRINCIPLE 3N+1 SCF + GRADIENT
CALCULATIONS ARE REQUIRED;
FOR EACH OF THEM THE REMAINING POINT SYMMETRY IS INDICATED.
POINT SYMMETRY PERMITS TO GENERATE GRADIENTS FOR DISPLACEMENT B
STARTING FROM THE GRADIENT GENERATED BY DISPLACEMENT A.

N	LABEL	SYMBOL	DISPLACEMENT	SYM.
1	EQUILIBRIUM GEOMETRY			8
2	1	SI	DX	1
3	1	SI	DY	1
4	1	SI	DZ	1
5	9	SI	DX	1
6	9	SI	DY	1
7	9	SI	DZ	1
8	17	SI	DX	1
9	17	SI	DY	2
10	17	SI	DZ	1
11	21	CA	DX	1
12	21	CA	DY	1
13	21	CA	DZ	1
14	29	CA	DX	1
15	29	CA	DY	1
16	29	CA	DZ	1
17	33	CA	DX	1
18	33	CA	DY	1
19	33	CA	DZ	1
20	41	CA	DX	1
21	41	CA	DY	1
22	41	CA	DZ	1
23	49	CA	DX	1
24	49	CA	DY	2
25	49	CA	DZ	1
26	53	O	DX	1
27	53	O	DY	1
28	53	O	DZ	1
29	61	O	DX	1
30	61	O	DY	1

```
 31     61   O            DZ            1
 32     69   O            DX            1
 33     69   O            DY            1
 34     69   O            DZ            1
 35     77   O            DX            1
 36     77   O            DY            1
 37     77   O            DZ            1
 38     85   O            DX            1
 39     85   O            DY            1
 40     85   O            DZ            1
 41     93   O            DX            1
 42     93   O            DY            1
 43     93   O            DZ            1
 44    101   O            DX            1
 45    101   O            DY            1
 46    101   O            DZ            1
 47    109   O            DX            1
 48    109   O            DY            1
 49    109   O            DZ            1
 50    117   O            DX            1
 51    117   O            DY            1
 52    117   O            DZ            1
USE OF RESIDUAL SYMMETRY AFTER DISPLACEMENT

NUMERICAL GRADIENT COMPUTED WITH A SINGLE DISPLACEMENT (+dx) FOR EACH
CARTESIAN COORDINATE WITH RESPECT TO THE EQUILIBRIUM CONFIGURATION
dx=  0.003
NUMBER OF IRREDUCIBLE ATOMS                    17
NUMBER OF SCF+GRADIENT CALCULATIONS            52

 ATOM  SYMOP  ORDER
   1      1      1
   9      1      1
  17      1      1
  21      1      1
  29      1      1
  33      1      1
  41      1      1
  49      1      1
  53      1      1
  61      1      1
  69      1      1
  77      1      1
  85      1      1
  93      1      1
 101      1      1
 109      1      1
 117      2      2

ATOM  : IRREDUCIBLE ATOM
SYMOP : NUMBER OF SYMMETRY OPERATORS THAT DOESN'T MOVE THE IRREDUCIBLE ATOM
ORDER : MAXIMUM ORDER AMONG THE OPERATORS OF THE IRREDUCIBLE ATOM

*******************************************************************************


GCALCO - MAX INDICES DIRECT LATTICE VECTOR    34    15     6
NO.OF VECTORS CREATED 6999 STARS 1097 RMAX   267.49094 BOHR

CAPPA:IS1  4;IS2  4;IS3  4; K PTS MONK NET   27; SYMMOPS: K SPACE  8;G SPACE  8
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TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT gordsh1     TELAPSE       13.30 TCPU       12.21

DIMENSIONS  P(G)= 5666296 F(G)=  906332 P(G),F(G) (IRR)  360541
MAX G-VECTOR INDEX FOR 1- AND 2-ELECTRON INTEGRALS 105

TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT INPUT       TELAPSE       13.35 TCPU       12.25

SYMMETRY ALLOWED INTERNAL DEGREE(S) OF FREEDOM:  44
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT SYMM        TELAPSE       19.47 TCPU       17.34
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT INT_SCREEN  TELAPSE       19.75 TCPU       17.62

        THE FIRST POINT IS RESTORED FROM THE FREQINFO.DAT


RESTART FROM  AN INCOMPLETE HESSIAN MATRIX


HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH
                  FORCE CONSTANT MATRIX - NUMERICAL ESTIMATE
HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH
MAX ABS(DGRAD): MAXIMUM ABSOLUTE GRADIENT DIFFERENCE WITH RESPECT TO
                THE CENTRAL POINT
DE:             ENERGY DIFFERENCE WITH RESPECT TO THE CENTRAL POINT
                (DE IS EXPECTED TO BE POSITIVE FOR ALL DISPLACEMENTS)
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ATOM	MAX ABS(DGRAD)	TOTAL ENERGY (AU)	N.CYC	DE	SYM
CENTRAL POINT		-3.288718250474E+04	16	0.0000E+00	8
1 SI DX	2.9603E-03	-3.288718249310E+04	14	1.1642E-05	1
1 SI DY	2.4122E-03	-3.288718249491E+04	13	9.8351E-06	1
1 SI DZ	2.5477E-03	-3.288718249525E+04	12	9.4909E-06	1
9 SI DX	3.1328E-03	-3.288718249387E+04	14	1.0870E-05	1
9 SI DY	2.6248E-03	-3.288718249558E+04	16	9.1642E-06	1
9 SI DZ	2.3016E-03	-3.288718249627E+04	12	8.4702E-06	1
17 SI DX	2.5565E-03	-3.288718249471E+04	10	1.0035E-05	1
17 SI DY	3.0139E-03	-3.288718249442E+04	10	1.0327E-05	2
17 SI DZ	2.8402E-03	-3.288718249390E+04	11	1.0838E-05	1
21 CA DX	3.7647E-04	-3.288718250117E+04	6	3.5682E-06	1
21 CA DY	5.8483E-04	-3.288718249948E+04	12	5.2656E-06	1
21 CA DZ	5.1532E-04	-3.288718250106E+04	11	3.6786E-06	1
29 CA DX	5.7272E-04	-3.288718250033E+04	10	4.4164E-06	1
29 CA DY	4.3055E-04	-3.288718250073E+04	11	4.0150E-06	1
29 CA DZ	7.2341E-04	-3.288718249990E+04	11	4.8451E-06	1
33 CA DX	5.6039E-04	-3.288718249985E+04	10	4.8926E-06	1
33 CA DY	4.2241E-04	-3.288718250038E+04	10	4.3590E-06	1
33 CA DZ	6.4025E-04	-3.288718250020E+04	12	4.5442E-06	1
41 CA DX	5.2818E-04	-3.288718250049E+04	13	4.2508E-06	1
41 CA DY	5.7429E-04	-3.288718250077E+04	16	3.9684E-06	1
41 CA DZ	5.7737E-04	-3.288718250106E+04	12	3.6855E-06	1
49 CA DX	2.2600E-04	-3.288718250131E+04	15	3.4299E-06	1
49 CA DY	6.0838E-04	-3.288718250236E+04	18	2.3842E-06	2
49 CA DZ	3.6481E-04	-3.288718250092E+04	10	3.8256E-06	1
53 O DX	6.5352E-04	-3.288718250023E+04	16	4.5090E-06	1
53 O DY	1.6645E-03	-3.288718249775E+04	12	6.9912E-06	1
53 O DZ	5.5690E-04	-3.288718249995E+04	15	4.7944E-06	1
61 O DX	6.5597E-04	-3.288718250013E+04	16	4.6129E-06	1
61 O DY	8.2661E-04	-3.288718249991E+04	12	4.8324E-06	1
61 O DZ	1.5126E-03	-3.288718249691E+04	13	7.8308E-06	1
69 O DX	6.0894E-04	-3.288718250037E+04	14	4.3759E-06	1
69 O DY	7.3571E-04	-3.288718249978E+04	12	4.9664E-06	1
69 O DZ	1.4646E-03	-3.288718249782E+04	14	6.9204E-06	1
77 O DX	1.9632E-03	-3.288718249654E+04	17	8.2006E-06	1

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  77 O  DY   4.1369E-04      -3.288718250102E+04    12     3.7226E-06    1
  77 O  DZ   4.6598E-04      -3.288718250048E+04    15     4.2574E-06    1
  85 O  DX   6.6653E-04      -3.288718250004E+04    15     4.7007E-06    1
  85 O  DY   7.3898E-04      -3.288718250006E+04    11     4.6798E-06    1
  85 O  DZ   1.4837E-03      -3.288718249763E+04    15     7.1075E-06    1
  93 O  DX   7.1047E-04      -3.288718249982E+04    19     4.9231E-06    1
  93 O  DY   1.9234E-03      -3.288718249568E+04    15     9.0664E-06    1
  93 O  DZ   4.6882E-04      -3.288718250004E+04    10     4.7043E-06    1
 101 O  DX   9.9889E-04      -3.288718249821E+04    16     6.5345E-06    1
 101 O  DY   1.2045E-03      -3.288718249879E+04    13     5.9495E-06    1
 101 O  DZ   1.4960E-03      -3.288718249760E+04    13     7.1411E-06    1
 109 O  DX   2.0367E-03      -3.288718249654E+04    10     8.2012E-06    1
 109 O  DY   4.7461E-04      -3.288718250009E+04    16     4.6530E-06    1
 109 O  DZ   4.1776E-04      -3.288718250085E+04    14     3.8964E-06    1
 117 O  DX   1.0821E-03      -3.288718249830E+04    10     6.4429E-06    1
 117 O  DY   1.0708E-03      -3.288718249922E+04    10     5.5241E-06    1
 117 O  DZ   1.1322E-03      -3.288718249844E+04    14     6.3029E-06    1

GCALCO - MAX INDICES DIRECT LATTICE VECTOR    34    15     6
NO.OF VECTORS CREATED 6999 STARS 1097 RMAX   267.49094 BOHR

CAPPA:IS1  4;IS2  4;IS3  4; K PTS MONK NET   27; SYMMOPS: K SPACE  8;G SPACE  8

TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT gordsh1     TELAPSE    46237.27 TCPU    44947.72

DIMENSIONS  P(G)= 5666296 F(G)=  906332 P(G),F(G) (IRR)  360541
MAX G-VECTOR INDEX FOR 1- AND 2-ELECTRON INTEGRALS 105

TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT INPUT       TELAPSE    46237.31 TCPU    44947.76

SYMMETRY ALLOWED INTERNAL DEGREE(S) OF FREEDOM:  44
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT SYMM        TELAPSE    46246.79 TCPU    44956.71
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT INT_SCREEN  TELAPSE    46247.09 TCPU    44957.01

+++ SYMMETRY ADAPTION OF VIBRATIONAL MODES +++

SYMMETRY INFORMATION:
K-LITTLE GROUP: CLASS TABLE, CHARACTER TABLE.
IRREP-(DIMENSION, NO. IRREDUCIBLE SETS)
[WARNINGS: (1) ONLY ACTIVE IRREPS ARE GENERATED AND LISTED.
           (2) ONLY RELEVANT CLASSES ARE CONSIDERED IN THE CHARACTER TABLE
           (3) SYMBOLS MAY NOT FULLY COINCIDE WITH THOSE FROM TEXT BOOKS.
IN CLASSES WRITTEN AS CX.Y OR SX.Y, X.Y IS A DECIMAL NUMBER THAT
APPROACHES THE OPERATION FRACTIONAL ORDER.]

(P, D, RP, RD, STAND FOR PAIRING, DOUBLING, REAL PAIRING AND REAL DOUBLING
OF THE IRREPS (SEE MANUAL))

K[   1] (  0  0  0)

CLASS | GROUP OPERATORS (SEE SYMMOPS KEYWORD)
-----------------------------------------------------------------------
C2    |  2;
C2'   |  3;
C2''  |  4;
I     |  5;
SGH   |  6;
SGV   |  7;
SGV'  |  8;

IRREP/CLA   E    C2    C2'   C2''  I     SGH   SGV   SGV'
```

```
-------------------------------------------------------
   AG  |  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00
   B1G |  1.00  1.00 -1.00 -1.00  1.00  1.00 -1.00 -1.00
   B2G |  1.00 -1.00  1.00 -1.00  1.00 -1.00  1.00 -1.00
   B3G |  1.00 -1.00 -1.00  1.00  1.00 -1.00 -1.00  1.00
   AU  |  1.00  1.00  1.00  1.00 -1.00 -1.00 -1.00 -1.00
   B1U |  1.00  1.00 -1.00 -1.00 -1.00 -1.00  1.00  1.00
   B2U |  1.00 -1.00  1.00 -1.00 -1.00  1.00 -1.00  1.00
   B3U |  1.00 -1.00 -1.00  1.00 -1.00  1.00  1.00 -1.00

AG -(1,  44); B1G-(1,  46); B2G-(1,  46); B3G-(1,  44);
AU -(1,  47); B1U-(1,  49); B2U-(1,  49); B3U-(1,  47);

HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH
EIGENVALUES (EIGV) OF THE MASS WEIGHTED HESSIAN MATRIX AND HARMONIC
FREQUENCIES. IRREP LABELS REFER TO SYMMETRY REPRESENTATION ANALYSIS;  A AND I
INDICATE WHETHER THE MODE IS ACTIVE OR INACTIVE, RESPECTIVELY, FOR IR AND
RAMAN; IR INTENSITIES IN BRACKETS.

CONVERSION FACTORS FOR FREQUENCIES:
     1 CM**(-1) =   0.2194746E+06 HARTREE
     1 THZ      =   0.2997925E-01 CM**(-1)

HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH
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MODES	EIGV (HARTREE**2)	FREQUENCIES (CM**-1)	(THZ)	IRREP	IR	INTENS (KM/MOL)	RAMAN
1- 1	-0.2148E-09	-3.2167	-0.0964	(B2U)	A	(0.00)	I
2- 2	-0.9988E-10	-2.1935	-0.0658	(B1U)	A	(0.00)	I
3- 3	-0.8914E-10	-2.0721	-0.0621	(B3U)	A	(0.00)	I
4- 4	0.3716E-07	42.3096	1.2684	(B1U)	A	(0.00)	I
5- 5	0.4527E-07	46.6979	1.4000	(AG)	I	(0.00)	A
6- 6	0.5186E-07	49.9819	1.4984	(AU)	I	(0.00)	I
7- 7	0.5465E-07	51.3072	1.5382	(B1G)	I	(0.00)	A
8- 8	0.9209E-07	66.6035	1.9967	(B3U)	A	(0.00)	I
9- 9	0.1176E-06	75.2734	2.2566	(B2G)	I	(0.00)	A
10- 10	0.1236E-06	77.1732	2.3136	(B2U)	A	(0.00)	I
11- 11	0.1614E-06	88.1615	2.6430	(B2G)	I	(0.00)	A
12- 12	0.1726E-06	91.1865	2.7337	(B2U)	A	(0.00)	I
13- 13	0.1827E-06	93.8092	2.8123	(AU)	I	(0.00)	I
14- 14	0.1919E-06	96.1482	2.8825	(B3G)	I	(0.00)	A
15- 15	0.1959E-06	97.1412	2.9122	(B3U)	A	(0.00)	I
16- 16	0.2134E-06	101.3872	3.0395	(B1G)	I	(0.00)	A
17- 17	0.2333E-06	106.0052	3.1780	(B1U)	A	(0.00)	I
18- 18	0.2374E-06	106.9444	3.2061	(B1G)	I	(0.00)	A
19- 19	0.2575E-06	111.3702	3.3388	(B2U)	A	(0.00)	I
20- 20	0.2650E-06	112.9913	3.3874	(B3G)	I	(0.00)	A
21- 21	0.2656E-06	113.1081	3.3909	(B1U)	A	(0.00)	I
22- 22	0.2874E-06	117.6498	3.5271	(B2G)	I	(0.00)	A
23- 23	0.2950E-06	119.2012	3.5736	(AG)	I	(0.00)	A
24- 24	0.2998E-06	120.1803	3.6029	(AU)	I	(0.00)	I
25- 25	0.3015E-06	120.5114	3.6128	(B3U)	A	(0.00)	I
26- 26	0.3055E-06	121.3071	3.6367	(AU)	I	(0.00)	I
27- 27	0.3123E-06	122.6509	3.6770	(B1G)	I	(0.00)	A
28- 28	0.3146E-06	123.0966	3.6903	(B2U)	A	(0.00)	I
29- 29	0.3260E-06	125.3173	3.7569	(B1U)	A	(0.00)	I
30- 30	0.3400E-06	127.9718	3.8365	(B3G)	I	(0.00)	A
31- 31	0.3533E-06	130.4612	3.9111	(B2G)	I	(0.00)	A
32- 32	0.3538E-06	130.5367	3.9134	(B1U)	A	(0.00)	I
33- 33	0.3655E-06	132.6921	3.9780	(B1G)	I	(0.00)	A
34- 34	0.3787E-06	135.0680	4.0492	(B2U)	A	(0.00)	I

35-	35	0.4137E-06	141.1728	4.2323	(B3U)	A (	0.00)	I
36-	36	0.4268E-06	143.3904	4.2987	(AU)	I (	0.00)	I
37-	37	0.4293E-06	143.8093	4.3113	(AG)	I (	0.00)	A
38-	38	0.4341E-06	144.6059	4.3352	(B2G)	I (	0.00)	A
39-	39	0.4361E-06	144.9305	4.3449	(B1U)	A (	0.00)	I
40-	40	0.4422E-06	145.9415	4.3752	(B2G)	I (	0.00)	A
41-	41	0.4487E-06	147.0217	4.4076	(B3G)	I (	0.00)	A
42-	42	0.4596E-06	148.7895	4.4606	(B2U)	A (	0.00)	I
43-	43	0.4632E-06	149.3784	4.4783	(B1G)	I (	0.00)	A
44-	44	0.4653E-06	149.7087	4.4882	(AG)	I (	0.00)	A
45-	45	0.4819E-06	152.3507	4.5674	(B1U)	A (	0.00)	I
46-	46	0.4885E-06	153.3955	4.5987	(AG)	I (	0.00)	A
47-	47	0.4895E-06	153.5506	4.6033	(AU)	I (	0.00)	I
48-	48	0.5238E-06	158.8416	4.7620	(B3U)	A (	0.00)	I
49-	49	0.5272E-06	159.3537	4.7773	(B2U)	A (	0.00)	I
50-	50	0.5432E-06	161.7545	4.8493	(B3G)	I (	0.00)	A
51-	51	0.5432E-06	161.7557	4.8493	(B1G)	I (	0.00)	A
52-	52	0.5718E-06	165.9629	4.9754	(B2G)	I (	0.00)	A
53-	53	0.5938E-06	169.1201	5.0701	(AG)	I (	0.00)	A
54-	54	0.6225E-06	173.1687	5.1915	(B2U)	A (	0.00)	I
55-	55	0.6385E-06	175.3671	5.2574	(B1U)	A (	0.00)	I
56-	56	0.6426E-06	175.9356	5.2744	(B2G)	I (	0.00)	A
57-	57	0.6427E-06	175.9561	5.2750	(B1G)	I (	0.00)	A
58-	58	0.6532E-06	177.3746	5.3176	(B3G)	I (	0.00)	A
59-	59	0.6570E-06	177.8916	5.3331	(B2U)	A (	0.00)	I
60-	60	0.6666E-06	179.1884	5.3719	(AU)	I (	0.00)	I
61-	61	0.6727E-06	180.0111	5.3966	(B2G)	I (	0.00)	A
62-	62	0.6755E-06	180.3893	5.4079	(B3G)	I (	0.00)	A
63-	63	0.6767E-06	180.5472	5.4127	(B3U)	A (	0.00)	I
64-	64	0.6803E-06	181.0214	5.4269	(B3U)	A (	0.00)	I
65-	65	0.6936E-06	182.7847	5.4797	(B1U)	A (	0.00)	I
66-	66	0.6950E-06	182.9626	5.4851	(AU)	I (	0.00)	I
67-	67	0.7112E-06	185.0863	5.5487	(B1G)	I (	0.00)	A
68-	68	0.7119E-06	185.1754	5.5514	(B1U)	A (	0.00)	I
69-	69	0.7553E-06	190.7373	5.7182	(B1U)	A (	0.00)	I
70-	70	0.7594E-06	191.2609	5.7339	(AG)	I (	0.00)	A
71-	71	0.7636E-06	191.7857	5.7496	(B2G)	I (	0.00)	A
72-	72	0.7686E-06	192.4136	5.7684	(B3U)	A (	0.00)	I
73-	73	0.7727E-06	192.9277	5.7838	(B2U)	A (	0.00)	I
74-	74	0.7856E-06	194.5349	5.8320	(AU)	I (	0.00)	I
75-	75	0.7873E-06	194.7429	5.8382	(B2U)	A (	0.00)	I
76-	76	0.7947E-06	195.6566	5.8656	(AU)	I (	0.00)	I
77-	77	0.8285E-06	199.7650	5.9888	(B1G)	I (	0.00)	A
78-	78	0.8418E-06	201.3666	6.0368	(B2G)	I (	0.00)	A
79-	79	0.8464E-06	201.9149	6.0533	(B1U)	A (	0.00)	I
80-	80	0.8465E-06	201.9273	6.0536	(B1G)	I (	0.00)	A
81-	81	0.8552E-06	202.9680	6.0848	(AG)	I (	0.00)	A
82-	82	0.8699E-06	204.6951	6.1366	(B3G)	I (	0.00)	A
83-	83	0.8725E-06	205.0035	6.1459	(B3U)	A (	0.00)	I
84-	84	0.9010E-06	208.3287	6.2455	(B2G)	I (	0.00)	A
85-	85	0.9122E-06	209.6233	6.2843	(B2U)	A (	0.00)	I
86-	86	0.9182E-06	210.3037	6.3047	(AG)	I (	0.00)	A
87-	87	0.9187E-06	210.3667	6.3066	(B1U)	A (	0.00)	I
88-	88	0.9321E-06	211.8887	6.3523	(AU)	I (	0.00)	I
89-	89	0.9413E-06	212.9391	6.3838	(B3G)	I (	0.00)	A
90-	90	0.9431E-06	213.1383	6.3897	(B3U)	A (	0.00)	I
91-	91	0.9709E-06	216.2571	6.4832	(B3U)	A (	0.00)	I
92-	92	0.9733E-06	216.5228	6.4912	(B2U)	A (	0.00)	I
93-	93	0.9843E-06	217.7450	6.5278	(AG)	I (	0.00)	A
94-	94	0.1003E-05	219.8176	6.5900	(B1G)	I (	0.00)	A
95-	95	0.1009E-05	220.5035	6.6105	(B3G)	I (	0.00)	A

96- 96	0.1022E-05	221.8809	6.6518	(AG)	I (	0.00)	A
97- 97	0.1028E-05	222.4743	6.6696	(B2U)	A (	0.00)	I
98- 98	0.1032E-05	222.9270	6.6832	(B1U)	A (	0.00)	I
99- 99	0.1048E-05	224.7105	6.7367	(B2G)	I (	0.00)	A
100- 100	0.1071E-05	227.1358	6.8094	(B1G)	I (	0.00)	A
101- 101	0.1073E-05	227.3048	6.8144	(AU)	I (	0.00)	I
102- 102	0.1088E-05	228.9224	6.8629	(B1U)	A (	0.00)	I
103- 103	0.1107E-05	230.8916	6.9220	(B3U)	A (	0.00)	I
104- 104	0.1147E-05	235.0598	7.0469	(AG)	I (	0.00)	A
105- 105	0.1149E-05	235.2984	7.0541	(B3U)	A (	0.00)	I
106- 106	0.1159E-05	236.2826	7.0836	(AU)	I (	0.00)	I
107- 107	0.1173E-05	237.6582	7.1248	(B3G)	I (	0.00)	A
108- 108	0.1200E-05	240.4125	7.2074	(B2G)	I (	0.00)	A
109- 109	0.1211E-05	241.5572	7.2417	(AG)	I (	0.00)	A
110- 110	0.1217E-05	242.0697	7.2571	(AU)	I (	0.00)	I
111- 111	0.1239E-05	244.2524	7.3225	(B3G)	I (	0.00)	A
112- 112	0.1271E-05	247.4087	7.4171	(B2U)	A (	0.00)	I
113- 113	0.1272E-05	247.5622	7.4217	(B2G)	I (	0.00)	A
114- 114	0.1274E-05	247.6942	7.4257	(B3U)	A (	0.00)	I
115- 115	0.1275E-05	247.8401	7.4301	(B1G)	I (	0.00)	A
116- 116	0.1297E-05	249.9686	7.4939	(B2G)	I (	0.00)	A
117- 117	0.1300E-05	250.2233	7.5015	(AU)	I (	0.00)	I
118- 118	0.1334E-05	253.5369	7.6008	(B1G)	I (	0.00)	A
119- 119	0.1339E-05	253.9473	7.6131	(B1U)	A (	0.00)	I
120- 120	0.1343E-05	254.3529	7.6253	(B3G)	I (	0.00)	A
121- 121	0.1369E-05	256.8391	7.6998	(B2U)	A (	0.00)	I
122- 122	0.1373E-05	257.1428	7.7089	(B3G)	I (	0.00)	A
123- 123	0.1387E-05	258.4697	7.7487	(B2U)	A (	0.00)	I
124- 124	0.1395E-05	259.1800	7.7700	(AU)	I (	0.00)	I
125- 125	0.1395E-05	259.2128	7.7710	(B3U)	A (	0.00)	I
126- 126	0.1398E-05	259.5126	7.7800	(AG)	I (	0.00)	A
127- 127	0.1411E-05	260.6872	7.8152	(AG)	I (	0.00)	A
128- 128	0.1414E-05	260.9631	7.8235	(B1G)	I (	0.00)	A
129- 129	0.1426E-05	262.0626	7.8564	(B3G)	I (	0.00)	A
130- 130	0.1427E-05	262.1866	7.8602	(B1U)	A (	0.00)	I
131- 131	0.1449E-05	264.2043	7.9206	(B3U)	A (	0.00)	I
132- 132	0.1467E-05	265.7857	7.9681	(B2G)	I (	0.00)	A
133- 133	0.1481E-05	267.0712	8.0066	(AG)	I (	0.00)	A
134- 134	0.1490E-05	267.8659	8.0304	(AU)	I (	0.00)	I
135- 135	0.1497E-05	268.5527	8.0510	(B1G)	I (	0.00)	A
136- 136	0.1507E-05	269.4481	8.0779	(B1U)	A (	0.00)	I
137- 137	0.1515E-05	270.1739	8.0996	(B2U)	A (	0.00)	I
138- 138	0.1518E-05	270.4445	8.1077	(AG)	I (	0.00)	A
139- 139	0.1531E-05	271.5353	8.1404	(B3U)	A (	0.00)	I
140- 140	0.1554E-05	273.6093	8.2026	(B1U)	A (	0.00)	I
141- 141	0.1561E-05	274.2374	8.2214	(B1G)	I (	0.00)	A
142- 142	0.1571E-05	275.1178	8.2478	(B2U)	A (	0.00)	I
143- 143	0.1573E-05	275.2436	8.2516	(B3G)	I (	0.00)	A
144- 144	0.1573E-05	275.2454	8.2516	(AU)	I (	0.00)	I
145- 145	0.1604E-05	277.9749	8.3335	(B1U)	A (	0.00)	I
146- 146	0.1610E-05	278.4554	8.3479	(B2G)	I (	0.00)	A
147- 147	0.1624E-05	279.6911	8.3849	(B3U)	A (	0.00)	I
148- 148	0.1630E-05	280.2386	8.4013	(AU)	I (	0.00)	I
149- 149	0.1647E-05	281.6437	8.4435	(B2G)	I (	0.00)	A
150- 150	0.1657E-05	282.4814	8.4686	(B3U)	A (	0.00)	I
151- 151	0.1662E-05	282.9221	8.4818	(B3G)	I (	0.00)	A
152- 152	0.1678E-05	284.2645	8.5220	(B2G)	I (	0.00)	A
153- 153	0.1682E-05	284.6559	8.5338	(B2U)	A (	0.00)	I
154- 154	0.1708E-05	286.7923	8.5978	(AG)	I (	0.00)	A
155- 155	0.1730E-05	288.6802	8.6544	(B1U)	A (	0.00)	I
156- 156	0.1738E-05	289.3361	8.6741	(AU)	I (	0.00)	I

157- 157	0.1748E-05	290.1989	8.6999	(B1G)	I (	0.00)	A
158- 158	0.1788E-05	293.5089	8.7992	(B3G)	I (	0.00)	A
159- 159	0.1830E-05	296.9075	8.9011	(B2U)	A (	0.00)	I
160- 160	0.1859E-05	299.2190	8.9704	(AU)	I (	0.00)	I
161- 161	0.1875E-05	300.4930	9.0086	(AG)	I (	0.00)	A
162- 162	0.1894E-05	302.0339	9.0547	(B3G)	I (	0.00)	A
163- 163	0.1894E-05	302.0675	9.0558	(B1G)	I (	0.00)	A
164- 164	0.1905E-05	302.9550	9.0824	(B3U)	A (	0.00)	I
165- 165	0.1922E-05	304.2895	9.1224	(B1G)	I (	0.00)	A
166- 166	0.1952E-05	306.6156	9.1921	(B2G)	I (	0.00)	A
167- 167	0.1955E-05	306.8651	9.1996	(B1U)	A (	0.00)	I
168- 168	0.1967E-05	307.7927	9.2274	(B2U)	A (	0.00)	I
169- 169	0.1969E-05	307.9415	9.2319	(AU)	I (	0.00)	I
170- 170	0.1984E-05	309.1198	9.2672	(B3U)	A (	0.00)	I
171- 171	0.1996E-05	310.0889	9.2962	(AG)	I (	0.00)	A
172- 172	0.1998E-05	310.2127	9.2999	(B3G)	I (	0.00)	A
173- 173	0.2053E-05	314.4698	9.4276	(B2U)	A (	0.00)	I
174- 174	0.2086E-05	316.9912	9.5032	(AU)	I (	0.00)	I
175- 175	0.2096E-05	317.7494	9.5259	(B2G)	I (	0.00)	A
176- 176	0.2103E-05	318.2621	9.5413	(B2U)	A (	0.00)	I
177- 177	0.2111E-05	318.8496	9.5589	(B1G)	I (	0.00)	A
178- 178	0.2130E-05	320.3051	9.6025	(B1G)	I (	0.00)	A
179- 179	0.2143E-05	321.2941	9.6322	(AG)	I (	0.00)	A
180- 180	0.2148E-05	321.6800	9.6437	(B1U)	A (	0.00)	I
181- 181	0.2150E-05	321.7971	9.6472	(B3G)	I (	0.00)	A
182- 182	0.2164E-05	322.8815	9.6797	(B3U)	A (	0.00)	I
183- 183	0.2235E-05	328.1435	9.8375	(B1U)	A (	0.00)	I
184- 184	0.2261E-05	330.0389	9.8943	(AU)	I (	0.00)	I
185- 185	0.2302E-05	332.9695	9.9822	(B2G)	I (	0.00)	A
186- 186	0.2320E-05	334.3267	10.0229	(B1U)	A (	0.00)	I
187- 187	0.2344E-05	335.9925	10.0728	(B3G)	I (	0.00)	A
188- 188	0.2375E-05	338.2050	10.1391	(B2U)	A (	0.00)	I
189- 189	0.2420E-05	341.4024	10.2350	(AG)	I (	0.00)	A
190- 190	0.2426E-05	341.8290	10.2478	(B1G)	I (	0.00)	A
191- 191	0.2439E-05	342.7478	10.2753	(B3U)	A (	0.00)	I
192- 192	0.2441E-05	342.9221	10.2805	(B2G)	I (	0.00)	A
193- 193	0.2476E-05	345.3600	10.3536	(B2U)	A (	0.00)	I
194- 194	0.2566E-05	351.5674	10.5397	(B1U)	A (	0.00)	I
195- 195	0.2571E-05	351.9394	10.5509	(AU)	I (	0.00)	I
196- 196	0.2573E-05	352.0801	10.5551	(B3U)	A (	0.00)	I
197- 197	0.2576E-05	352.2787	10.5610	(AG)	I (	0.00)	A
198- 198	0.2587E-05	353.0021	10.5827	(B1G)	I (	0.00)	A
199- 199	0.2592E-05	353.3672	10.5937	(B3G)	I (	0.00)	A
200- 200	0.2691E-05	360.0561	10.7942	(AU)	I (	0.00)	I
201- 201	0.2739E-05	363.2455	10.8898	(B2G)	I (	0.00)	A
202- 202	0.2765E-05	364.9722	10.9416	(B3U)	A (	0.00)	I
203- 203	0.2782E-05	366.0603	10.9742	(B1U)	A (	0.00)	I
204- 204	0.2822E-05	368.6695	11.0524	(B2U)	A (	0.00)	I
205- 205	0.2828E-05	369.0692	11.0644	(AG)	I (	0.00)	A
206- 206	0.2944E-05	376.6023	11.2903	(B3G)	I (	0.00)	A
207- 207	0.3033E-05	382.2244	11.4588	(B1G)	I (	0.00)	A
208- 208	0.3065E-05	384.2624	11.5199	(AU)	I (	0.00)	I
209- 209	0.3122E-05	387.7895	11.6256	(B2G)	I (	0.00)	A
210- 210	0.3132E-05	388.4171	11.6445	(B3U)	A (	0.00)	I
211- 211	0.3135E-05	388.5975	11.6499	(B2U)	A (	0.00)	I
212- 212	0.3156E-05	389.9090	11.6892	(AG)	I (	0.00)	A
213- 213	0.3179E-05	391.3172	11.7314	(B1U)	A (	0.00)	I
214- 214	0.3227E-05	394.2400	11.8190	(B2G)	I (	0.00)	A
215- 215	0.3252E-05	395.7928	11.8656	(B2U)	A (	0.00)	I
216- 216	0.3256E-05	396.0207	11.8724	(B1G)	I (	0.00)	A
217- 217	0.3288E-05	397.9579	11.9305	(B1U)	A (	0.00)	I

218- 218	0.3309E-05	399.2213	11.9684	(B3G)	I (	0.00)	A
219- 219	0.3358E-05	402.1969	12.0576	(B2G)	I (	0.00)	A
220- 220	0.3395E-05	404.4113	12.1239	(B1G)	I (	0.00)	A
221- 221	0.3455E-05	407.9783	12.2309	(AG)	I (	0.00)	A
222- 222	0.3486E-05	409.7877	12.2851	(B3U)	A (	0.00)	I
223- 223	0.3503E-05	410.7644	12.3144	(AU)	I (	0.00)	I
224- 224	0.3532E-05	412.4748	12.3657	(B2U)	A (	0.00)	I
225- 225	0.3606E-05	416.7987	12.4953	(B1U)	A (	0.00)	I
226- 226	0.3684E-05	421.2466	12.6287	(B3G)	I (	0.00)	A
227- 227	0.3695E-05	421.8606	12.6471	(B3U)	A (	0.00)	I
228- 228	0.3734E-05	424.0993	12.7142	(B1G)	I (	0.00)	A
229- 229	0.3745E-05	424.7262	12.7330	(AU)	I (	0.00)	I
230- 230	0.3750E-05	425.0032	12.7413	(B2U)	A (	0.00)	I
231- 231	0.3762E-05	425.6804	12.7616	(AU)	I (	0.00)	I
232- 232	0.3800E-05	427.8219	12.8258	(B3G)	I (	0.00)	A
233- 233	0.3820E-05	428.9413	12.8593	(B1U)	A (	0.00)	I
234- 234	0.3835E-05	429.7775	12.8844	(B2G)	I (	0.00)	A
235- 235	0.3881E-05	432.3780	12.9624	(B2U)	A (	0.00)	I
236- 236	0.3920E-05	434.5570	13.0277	(B1G)	I (	0.00)	A
237- 237	0.3933E-05	435.2622	13.0488	(B2G)	I (	0.00)	A
238- 238	0.3967E-05	437.1145	13.1044	(B1U)	A (	0.00)	I
239- 239	0.3968E-05	437.1926	13.1067	(AG)	I (	0.00)	A
240- 240	0.4002E-05	439.0354	13.1619	(B3U)	A (	0.00)	I
241- 241	0.4672E-05	474.4083	14.2224	(B2U)	A (	0.00)	I
242- 242	0.4680E-05	474.8151	14.2346	(B1U)	A (	0.00)	I
243- 243	0.4698E-05	475.7333	14.2621	(AU)	I (	0.00)	I
244- 244	0.4712E-05	476.4296	14.2830	(B1G)	I (	0.00)	A
245- 245	0.4726E-05	477.1485	14.3046	(B3G)	I (	0.00)	A
246- 246	0.4811E-05	481.3716	14.4312	(AG)	I (	0.00)	A
247- 247	0.4821E-05	481.8967	14.4469	(B3U)	A (	0.00)	I
248- 248	0.5068E-05	494.0620	14.8116	(AU)	I (	0.00)	I
249- 249	0.5231E-05	501.9864	15.0492	(B3G)	I (	0.00)	A
250- 250	0.5307E-05	505.5825	15.1570	(B2U)	A (	0.00)	I
251- 251	0.5329E-05	506.6420	15.1887	(B2G)	I (	0.00)	A
252- 252	0.5424E-05	511.1668	15.3244	(B1U)	A (	0.00)	I
253- 253	0.5433E-05	511.5707	15.3365	(B3U)	A (	0.00)	I
254- 254	0.5439E-05	511.8613	15.3452	(AG)	I (	0.00)	A
255- 255	0.5451E-05	512.4200	15.3620	(AU)	I (	0.00)	I
256- 256	0.5535E-05	516.3669	15.4803	(B2U)	A (	0.00)	I
257- 257	0.5540E-05	516.5965	15.4872	(B1G)	I (	0.00)	A
258- 258	0.5595E-05	519.1391	15.5634	(B3U)	A (	0.00)	I
259- 259	0.5609E-05	519.7789	15.5826	(B1U)	A (	0.00)	I
260- 260	0.5662E-05	522.2610	15.6570	(AU)	I (	0.00)	I
261- 261	0.5678E-05	522.9970	15.6791	(B3G)	I (	0.00)	A
262- 262	0.5828E-05	529.8605	15.8848	(B2U)	A (	0.00)	I
263- 263	0.5851E-05	530.8781	15.9153	(B1G)	I (	0.00)	A
264- 264	0.5857E-05	531.1399	15.9232	(B2G)	I (	0.00)	A
265- 265	0.5894E-05	532.8455	15.9743	(AG)	I (	0.00)	A
266- 266	0.5945E-05	535.1347	16.0429	(B2G)	I (	0.00)	A
267- 267	0.6026E-05	538.7437	16.1511	(B3U)	A (	0.00)	I
268- 268	0.6044E-05	539.5544	16.1754	(B1U)	A (	0.00)	I
269- 269	0.6152E-05	544.3762	16.3200	(AG)	I (	0.00)	A
270- 270	0.6242E-05	548.3487	16.4391	(B2G)	I (	0.00)	A
271- 271	0.6286E-05	550.2777	16.4969	(B3U)	A (	0.00)	I
272- 272	0.6382E-05	554.4653	16.6225	(AG)	I (	0.00)	A
273- 273	0.6402E-05	555.2985	16.6474	(AU)	I (	0.00)	I
274- 274	0.6426E-05	556.3728	16.6796	(B1G)	I (	0.00)	A
275- 275	0.6428E-05	556.4420	16.6817	(B3G)	I (	0.00)	A
276- 276	0.6480E-05	558.6831	16.7489	(B3G)	I (	0.00)	A
277- 277	0.6520E-05	560.4148	16.8008	(B2U)	A (	0.00)	I
278- 278	0.6540E-05	561.2695	16.8264	(B1U)	A (	0.00)	I

279- 279	0.6575E-05	562.7512	16.8709	(B3U)	A (	0.00)	I
280- 280	0.6576E-05	562.8203	16.8729	(AU)	I (	0.00)	I
281- 281	0.6660E-05	566.4043	16.9804	(B2G)	I (	0.00)	A
282- 282	0.6665E-05	566.6310	16.9872	(AG)	I (	0.00)	A
283- 283	0.6683E-05	567.3808	17.0096	(B1U)	A (	0.00)	I
284- 284	0.6685E-05	567.4507	17.0117	(B2G)	I (	0.00)	A
285- 285	0.6765E-05	570.8591	17.1139	(B1G)	I (	0.00)	A
286- 286	0.6801E-05	572.3712	17.1593	(B2U)	A (	0.00)	I
287- 287	0.6885E-05	575.8888	17.2647	(B3G)	I (	0.00)	A
288- 288	0.6911E-05	576.9706	17.2971	(B3U)	A (	0.00)	I
289- 289	0.6912E-05	577.0266	17.2988	(AG)	I (	0.00)	A
290- 290	0.6930E-05	577.7834	17.3215	(B1G)	I (	0.00)	A
291- 291	0.7191E-05	588.5297	17.6437	(AU)	I (	0.00)	I
292- 292	0.7205E-05	589.1088	17.6610	(B3G)	I (	0.00)	A
293- 293	0.9235E-05	666.9557	19.9948	(B3U)	A (	0.00)	I
294- 294	0.9252E-05	667.5615	20.0130	(AG)	I (	0.00)	A
295- 295	0.9554E-05	678.3849	20.3375	(B3G)	I (	0.00)	A
296- 296	0.9555E-05	678.4168	20.3384	(AU)	I (	0.00)	I
297- 297	0.1039E-04	707.5177	21.2108	(B1U)	A (	0.00)	I
298- 298	0.1042E-04	708.6275	21.2441	(B2U)	A (	0.00)	I
299- 299	0.1043E-04	708.8290	21.2502	(B2G)	I (	0.00)	A
300- 300	0.1043E-04	708.8821	21.2518	(B1G)	I (	0.00)	A
301- 301	0.1377E-04	814.2881	24.4117	(B2G)	I (	0.00)	A
302- 302	0.1377E-04	814.4241	24.4158	(AG)	I (	0.00)	A
303- 303	0.1382E-04	815.9962	24.4629	(B1U)	A (	0.00)	I
304- 304	0.1385E-04	816.7582	24.4858	(B3U)	A (	0.00)	I
305- 305	0.1390E-04	818.1187	24.5266	(B2U)	A (	0.00)	I
306- 306	0.1391E-04	818.4397	24.5362	(B1G)	I (	0.00)	A
307- 307	0.1391E-04	818.6693	24.5431	(AU)	I (	0.00)	I
308- 308	0.1401E-04	821.5325	24.6289	(B2U)	A (	0.00)	I
309- 309	0.1408E-04	823.4306	24.6858	(B3G)	I (	0.00)	A
310- 310	0.1417E-04	826.2185	24.7694	(B1U)	A (	0.00)	I
311- 311	0.1419E-04	826.7463	24.7852	(B1G)	I (	0.00)	A
312- 312	0.1480E-04	844.4255	25.3152	(B3G)	I (	0.00)	A
313- 313	0.1486E-04	846.0695	25.3645	(B3U)	A (	0.00)	I
314- 314	0.1489E-04	846.8211	25.3871	(B2G)	I (	0.00)	A
315- 315	0.1489E-04	846.9583	25.3912	(AG)	I (	0.00)	A
316- 316	0.1492E-04	847.6283	25.4113	(AU)	I (	0.00)	I
317- 317	0.1500E-04	849.8814	25.4788	(B1G)	I (	0.00)	A
318- 318	0.1505E-04	851.5698	25.5294	(AG)	I (	0.00)	A
319- 319	0.1507E-04	852.1423	25.5466	(B1U)	A (	0.00)	I
320- 320	0.1510E-04	852.8770	25.5686	(B3G)	I (	0.00)	A
321- 321	0.1519E-04	855.2653	25.6402	(B2G)	I (	0.00)	A
322- 322	0.1522E-04	856.2961	25.6711	(B3U)	A (	0.00)	I
323- 323	0.1564E-04	868.1046	26.0251	(AU)	I (	0.00)	I
324- 324	0.1565E-04	868.1199	26.0256	(B2U)	A (	0.00)	I
325- 325	0.1626E-04	884.9723	26.5308	(B3G)	I (	0.00)	A
326- 326	0.1632E-04	886.5223	26.5773	(B1U)	A (	0.00)	I
327- 327	0.1632E-04	886.5511	26.5781	(B1G)	I (	0.00)	A
328- 328	0.1659E-04	894.0461	26.8028	(B2U)	A (	0.00)	I
329- 329	0.1660E-04	894.1871	26.8071	(AG)	I (	0.00)	A
330- 330	0.1660E-04	894.1987	26.8074	(B3U)	A (	0.00)	I
331- 331	0.1660E-04	894.2200	26.8080	(B1G)	I (	0.00)	A
332- 332	0.1667E-04	895.9958	26.8613	(AU)	I (	0.00)	I
333- 333	0.1682E-04	900.1608	26.9861	(B2G)	I (	0.00)	A
334- 334	0.1702E-04	905.5615	27.1481	(AG)	I (	0.00)	A
335- 335	0.1708E-04	907.1677	27.1962	(B3G)	I (	0.00)	A
336- 336	0.1711E-04	907.9120	27.2185	(B2G)	I (	0.00)	A
337- 337	0.1713E-04	908.4728	27.2353	(B1U)	A (	0.00)	I
338- 338	0.1717E-04	909.4571	27.2648	(B2U)	A (	0.00)	I
339- 339	0.1755E-04	919.5403	27.5671	(AU)	I (	0.00)	I

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 340- 340    0.1776E-04    925.0260   27.7316  (B3U)   A (     0.00)   I
 341- 341    0.1791E-04    928.7042   27.8419  (B2G)   I (     0.00)   A
 342- 342    0.1791E-04    928.7736   27.8439  (B1U)   A (     0.00)   I
 343- 343    0.1791E-04    928.9438   27.8490  (B2U)   A (     0.00)   I
 344- 344    0.1792E-04    928.9961   27.8506  (AG )   I (     0.00)   A
 345- 345    0.1793E-04    929.3367   27.8608  (AU )   I (     0.00)   I
 346- 346    0.1808E-04    933.2904   27.9793  (B1G)   I (     0.00)   A
 347- 347    0.1809E-04    933.3689   27.9817  (B3G)   I (     0.00)   A
 348- 348    0.1832E-04    939.2993   28.1595  (B3U)   A (     0.00)   I
 349- 349    0.1835E-04    940.2068   28.1867  (B1U)   A (     0.00)   I
 350- 350    0.1879E-04    951.4513   28.5238  (AG )   I (     0.00)   A
 351- 351    0.1880E-04    951.4936   28.5251  (B1G)   I (     0.00)   A
 352- 352    0.1881E-04    951.8774   28.5366  (B2G)   I (     0.00)   A
 353- 353    0.1894E-04    955.2409   28.6374  (B3U)   A (     0.00)   I
 354- 354    0.1896E-04    955.6098   28.6485  (B3G)   I (     0.00)   A
 355- 355    0.1901E-04    956.8056   28.6843  (B2U)   A (     0.00)   I
 356- 356    0.1912E-04    959.6429   28.7694  (AU )   I (     0.00)   I
 357- 357    0.1972E-04    974.5370   29.2159  (AG )   I (     0.00)   A
 358- 358    0.1977E-04    975.9307   29.2577  (B3U)   A (     0.00)   I
 359- 359    0.1993E-04    979.8747   29.3759  (B1U)   A (     0.00)   I
 360- 360    0.2005E-04    982.6290   29.4585  (B2U)   A (     0.00)   I
 361- 361    0.2005E-04    982.6669   29.4596  (B1G)   I (     0.00)   A
 362- 362    0.2005E-04    982.7058   29.4608  (B2G)   I (     0.00)   A
 363- 363    0.2048E-04    993.3024   29.7785  (AG )   I (     0.00)   A
 364- 364    0.2052E-04    994.2797   29.8078  (B3U)   A (     0.00)   I
 365- 365    0.2081E-04   1001.1864   30.0148  (B3G)   I (     0.00)   A
 366- 366    0.2082E-04   1001.4484   30.0227  (AU )   I (     0.00)   I
 367- 367    0.2135E-04   1014.1777   30.4043  (B3G)   I (     0.00)   A
 368- 368    0.2137E-04   1014.4907   30.4137  (AU )   I (     0.00)   I
 369- 369    0.2235E-04   1037.6798   31.1089  (B1G)   I (     0.00)   A
 370- 370    0.2237E-04   1038.0061   31.1186  (B2U)   A (     0.00)   I
 371- 371    0.2276E-04   1047.0913   31.3910  (B1U)   A (     0.00)   I
 372- 372    0.2331E-04   1059.7395   31.7702  (B2G)   I (     0.00)   A

HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH
VIBRATIONAL ANALYSIS:
1) EACH PAIR OF BONDED ATOMS (I.E. WITHIN THEIR VAN DER WAALS DISTANCE) A AND
B IS EXAMINED TO SEE IF THERE IS A LARGE RELATIVE MOTION BETWEEN THEM.
2) IF SO, THE AB MOTION IS DECOMPOSED IN THREE COMPONENTS: ALONG A-B(LONG),
ON THE PLANE CONTAING A THIRD ATOM C (ANG) AND OUT OF THE PLANE (OUT).
LONG+ANG+OUT=1.
3) THE MODES ARE CLASSIFIED SO AS: LONG > 0.85 -> STRETCHING (S);
ANG > 0.85 -> BENDING (B); OTHERWISE -> OTHER (O). TYPE (?) MEANS THE MODE IS
LIKELY TO BE ROTATIONAL. THE POTENTIAL ENERGY CONTRIBUTION (PEC) IS IN KJ/MOL.
HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH

 MODE FRQ(CM**-1) IRREP TYP     A      B  LONG      C  ANG      PEC
   1     -3.2167  (B2U)
   2     -2.1935  (B1U)
   3     -2.0721  (B3U)
   4     42.3096  (B1U)
                        (?)   49 CA  33 CA(0.0)  27 CA(1.0)    0.0
                        (?)   50 CA  34 CA(0.0)  28 CA(1.0)    0.0
                        (?)   50 CA  35 CA(0.0)  25 CA(1.0)    0.0
                        (?)   49 CA  36 CA(0.0)  26 CA(1.0)    0.0
                        (?)   51 CA  37 CA(0.0)  23 CA(1.0)    0.0
                        (?)   52 CA  38 CA(0.0)  24 CA(1.0)    0.0
                        (?)   52 CA  39 CA(0.0)  21 CA(1.0)    0.0
                        (?)   51 CA  40 CA(0.0)  22 CA(1.0)    0.0
   5     46.6979  (AG )
                        (?)   33 CA  29 CA(0.0)  27 CA(1.0)    0.0
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                    (?)   34 CA  30 CA(0.0)  24 CA(1.0)    0.0
                    (?)   38 CA  30 CA(0.0)  24 CA(1.0)    0.0
                    (?)   39 CA  31 CA(0.0)  21 CA(1.0)    0.0
                    (?)   36 CA  32 CA(0.0)  22 CA(1.0)    0.0
                    (?)   40 CA  32 CA(0.0)  22 CA(1.0)    0.0
 6     49.9819  (AU )
                    (?)   49 CA  33 CA(0.0)  93 O (0.9)    0.0
                    (?)   34 CA  50 CA(0.0)  94 O (0.9)    0.0
                    (?)   50 CA  35 CA(0.0)  95 O (0.9)    0.0
                    (?)   49 CA  36 CA(0.0)  96 O (0.9)    0.0
                    (?)   51 CA  37 CA(0.0)  97 O (0.9)    0.0
                    (?)   52 CA  38 CA(0.0)  98 O (0.9)    0.0
                    (?)   52 CA  39 CA(0.0)  99 O (0.9)    0.0
                    (?)   51 CA  40 CA(0.0) 100 O (0.9)    0.0
 7     51.3072  (B1G)
                    (?)   29 CA  33 CA(0.0)  93 O (1.0)    0.0
                    (?)   30 CA  34 CA(0.0)  94 O (1.0)    0.0
                    (?)   30 CA  38 CA(0.0)  98 O (1.0)    0.0
                    (?)   31 CA  39 CA(0.0)  99 O (1.0)    0.0
                    (?)   32 CA  36 CA(0.0)  96 O (1.0)    0.0
                    (?)   32 CA  40 CA(0.0) 100 O (1.0)    0.0
 8     66.6035  (B3U)
                    (?)   49 CA  33 CA(0.6)  29 CA(0.4)    0.0
                    (?)   50 CA  34 CA(0.6)  30 CA(0.4)    0.0
                    (?)   35 CA  50 CA(0.6)  48 CA(0.4)    0.0
                    (?)   49 CA  36 CA(0.6)  32 CA(0.4)    0.0
                    (?)   37 CA  51 CA(0.6)  42 CA(0.4)    0.0
                    (?)   52 CA  38 CA(0.6)  30 CA(0.4)    0.0
                    (?)   52 CA  39 CA(0.6)  31 CA(0.4)    0.0
                    (?)   51 CA  40 CA(0.6)  32 CA(0.4)    0.0
 9     75.2734  (B2G)
                    (?)   49 CA  33 CA(0.2)  27 CA(0.8)    0.0
                    (?)   50 CA  34 CA(0.2)  28 CA(0.8)    0.0
                    (?)   50 CA  35 CA(0.2)  25 CA(0.8)    0.0
                    (?)   49 CA  36 CA(0.2)  26 CA(0.8)    0.0
                    (?)   51 CA  37 CA(0.2)  23 CA(0.8)    0.0
                    (?)   52 CA  38 CA(0.2)  24 CA(0.8)    0.0
                    (?)   52 CA  39 CA(0.2)  21 CA(0.8)    0.0
                    (?)   51 CA  40 CA(0.2)  22 CA(0.8)    0.0
                    (?)  123 O   41 CA(0.0)  33 CA(1.0)    0.0
                    (?)  124 O   42 CA(0.0)  34 CA(1.0)    0.0
                    (?)  121 O   43 CA(0.0)  35 CA(1.0)    0.0
                    (?)  122 O   44 CA(0.0)  36 CA(1.0)    0.0
                    (?)  119 O   45 CA(0.0)  37 CA(1.0)    0.0
                    (?)  120 O   46 CA(0.0)  38 CA(1.0)    0.0
                    (?)  117 O   47 CA(0.0)  39 CA(1.0)    0.0
                    (?)  118 O   48 CA(0.0)  40 CA(1.0)    0.0
10     77.1732  (B2U)
                    (?)   39 CA  21 CA(0.0)  31 CA(1.0)    0.0
                    (?)   22 CA  40 CA(0.0)  32 CA(1.0)    0.0
                    (?)   23 CA  37 CA(0.0)  51 CA(1.0)    0.0
                    (?)   38 CA  24 CA(0.0)  30 CA(1.0)    0.0
                    (?)   25 CA  35 CA(0.0)  50 CA(1.0)    0.0
                    (?)   26 CA  36 CA(0.0)  32 CA(1.0)    0.0
                    (?)   27 CA  33 CA(0.0)  29 CA(1.0)    0.0
                    (?)   28 CA  34 CA(0.0)  30 CA(1.0)    0.0
                    (?)   47 CA  33 CA(0.0)  27 CA(1.0)    0.0
                    (?)   48 CA  34 CA(0.0)  28 CA(1.0)    0.0
                    (?)   45 CA  35 CA(0.0)  25 CA(1.0)    0.0
                    (?)   46 CA  36 CA(0.0)  26 CA(1.0)    0.0
                    (?)   43 CA  37 CA(0.0)  23 CA(1.0)    0.0
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                    (?)   44 CA  38 CA(0.0)  24 CA(1.0)    0.0
                    (?)   41 CA  39 CA(0.0)  21 CA(1.0)    0.0
                    (?)   42 CA  40 CA(0.0)  22 CA(1.0)    0.0
11     88.1615  (B2G)
                    (?)   33 CA  29 CA(0.6)  27 CA(0.4)    0.0
                    (?)   34 CA  30 CA(0.6)  24 CA(0.4)    0.0
                    (?)   38 CA  30 CA(0.6)  24 CA(0.4)    0.0
                    (?)   39 CA  31 CA(0.6)  21 CA(0.4)    0.0
                    (?)   36 CA  32 CA(0.6)  22 CA(0.4)    0.0
                    (?)   40 CA  32 CA(0.6)  22 CA(0.4)    0.0
12     91.1865  (B2U)
                    (?)   21 CA  31 CA(0.0)  39 CA(0.9)    0.0
                    (?)   32 CA  22 CA(0.0)  40 CA(0.9)    0.0
                    (?)   24 CA  30 CA(0.0)  34 CA(0.9)    0.0
                    (?)   26 CA  32 CA(0.0)  36 CA(0.9)    0.0
                    (?)   27 CA  29 CA(0.0)  33 CA(0.9)    0.0
                    (?)   28 CA  30 CA(0.0)  34 CA(0.9)    0.0
                    (?)   41 CA  33 CA(0.0)  29 CA(1.0)    0.0
                    (?)   41 CA  33 CA(0.2)  53 O (0.8)    0.0
                    (?)   49 CA  33 CA(0.0)   1 SI(0.9)    0.0
                    (?)   42 CA  34 CA(0.0)  30 CA(1.0)    0.0
                    (?)   42 CA  34 CA(0.2)  54 O (0.8)    0.0
                    (?)   50 CA  34 CA(0.0)   2 SI(0.9)    0.0
                    (?)   35 CA  43 CA(0.0)  89 O (1.0)    0.0
                    (?)   43 CA  35 CA(0.2)  55 O (0.8)    0.0
                    (?)   50 CA  35 CA(0.0)   3 SI(0.9)    0.0
                    (?)   44 CA  36 CA(0.0)  32 CA(1.0)    0.0
                    (?)   44 CA  36 CA(0.2)  56 O (0.8)    0.0
                    (?)   49 CA  36 CA(0.0)   4 SI(0.9)    0.0
                    (?)   37 CA  45 CA(0.0)  87 O (1.0)    0.0
                    (?)   45 CA  37 CA(0.2)  57 O (0.8)    0.0
                    (?)   51 CA  37 CA(0.0)   5 SI(0.9)    0.0
                    (?)   46 CA  38 CA(0.0)  30 CA(1.0)    0.0
                    (?)   46 CA  38 CA(0.2)  58 O (0.8)    0.0
                    (?)   52 CA  38 CA(0.0)   6 SI(0.9)    0.0
                    (?)   47 CA  39 CA(0.0)  31 CA(1.0)    0.0
                    (?)   47 CA  39 CA(0.2)  59 O (0.8)    0.0
                    (?)   52 CA  39 CA(0.0)   7 SI(0.9)    0.0
                    (?)   48 CA  40 CA(0.0)  32 CA(1.0)    0.0
                    (?)   48 CA  40 CA(0.2)  60 O (0.8)    0.0
                    (?)   51 CA  40 CA(0.0)   8 SI(0.9)    0.0
13     93.8092  (AU )
                    (?)   21 CA  31 CA(0.0)  39 CA(1.0)    0.0
                    (?)   21 CA  39 CA(0.0)  41 CA(1.0)    0.0
                    (?)   22 CA  32 CA(0.0)  36 CA(1.0)    0.0
                    (?)   22 CA  40 CA(0.0)  42 CA(1.0)    0.0
                    (?)   23 CA  37 CA(0.0)  43 CA(1.0)    0.0
                    (?)   24 CA  30 CA(0.0)  34 CA(1.0)    0.0
                    (?)   24 CA  38 CA(0.0)  44 CA(1.0)    0.0
                    (?)   25 CA  35 CA(0.0)  45 CA(1.0)    0.0
                    (?)   26 CA  32 CA(0.0)  36 CA(1.0)    0.0
                    (?)   26 CA  36 CA(0.0)  46 CA(1.0)    0.0
                    (?)   27 CA  29 CA(0.0)  33 CA(1.0)    0.0
                    (?)   27 CA  33 CA(0.0)  47 CA(1.0)    0.0
                    (?)   28 CA  30 CA(0.0)  34 CA(1.0)    0.0
                    (?)   28 CA  34 CA(0.0)  48 CA(1.0)    0.0
                    (?)   29 CA  33 CA(0.0)  49 CA(1.0)    0.0
                    (?)   30 CA  34 CA(0.0)  50 CA(1.0)    0.0
                    (?)   30 CA  38 CA(0.0)  52 CA(1.0)    0.0
                    (?)   31 CA  39 CA(0.0)  52 CA(1.0)    0.0
                    (?)   32 CA  36 CA(0.0)  49 CA(1.0)    0.0
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                        (?)   32 CA  40 CA(0.0)  51 CA(1.0)    0.0
                        (?)   47 CA  33 CA(0.1)  29 CA(0.9)    0.0
                        (?)   48 CA  34 CA(0.1)  30 CA(0.9)    0.0
                        (?)   35 CA  45 CA(0.1)  50 CA(0.9)    0.0
                        (?)   46 CA  36 CA(0.1)  32 CA(0.9)    0.0
                        (?)   43 CA  37 CA(0.1)  51 CA(0.9)    0.0
                        (?)   44 CA  38 CA(0.1)  30 CA(0.9)    0.0
                        (?)   41 CA  39 CA(0.1)  31 CA(0.9)    0.0
                        (?)   42 CA  40 CA(0.1)  32 CA(0.9)    0.0
14     96.1482  (B3G)
                        (?)   93 O   49 CA(0.7) 109 O (0.3)    0.0
                        (?)   96 O   49 CA(0.7) 112 O (0.3)    0.0
                        (?)   94 O   50 CA(0.7) 110 O (0.3)    0.0
                        (?)   95 O   50 CA(0.7) 111 O (0.3)    0.0
                        (?)   97 O   51 CA(0.7) 113 O (0.3)    0.0
                        (?)  100 O   51 CA(0.7) 116 O (0.3)    0.0
                        (?)   98 O   52 CA(0.7) 114 O (0.3)    0.0
                        (?)   99 O   52 CA(0.7) 115 O (0.3)    0.0
15     97.1412  (B3U)
                        (?)   33 CA  29 CA(0.0)  27 CA(1.0)    0.0
                        (?)   34 CA  30 CA(0.0)  24 CA(1.0)    0.0
                        (?)   38 CA  30 CA(0.0)  24 CA(1.0)    0.0
                        (?)   39 CA  31 CA(0.0)  21 CA(1.0)    0.0
                        (?)   32 CA  36 CA(0.0)  26 CA(1.0)    0.0
                        (?)   40 CA  32 CA(0.0)  22 CA(1.0)    0.0
16    101.3872  (B1G)
                        (B)   17 SI  52 CA(0.0)  98 O (0.9)    0.0
                        (B)   18 SI  51 CA(0.0)  97 O (0.9)    0.0
                        (B)   19 SI  50 CA(0.0)  94 O (0.9)    0.0
                        (B)   20 SI  49 CA(0.0)  96 O (0.9)    0.0
                        (B)   41 CA  33 CA(0.0)  61 O (1.0)    0.0
                        (B)   41 CA  33 CA(0.0)  53 O (1.0)    0.0
                        (B)   34 CA  42 CA(0.0)  62 O (1.0)    0.0
                        (B)   42 CA  34 CA(0.0)  54 O (1.0)    0.0
                        (B)   35 CA  43 CA(0.0)  63 O (1.0)    0.0
                        (B)   43 CA  35 CA(0.0)  55 O (1.0)    0.0
                        (B)   36 CA  44 CA(0.0)  64 O (1.0)    0.0
                        (B)   44 CA  36 CA(0.0)  56 O (1.0)    0.0
                        (B)   45 CA  37 CA(0.0)  65 O (1.0)    0.0
                        (B)   45 CA  37 CA(0.0)  57 O (1.0)    0.0
                        (B)   46 CA  38 CA(0.0)  66 O (1.0)    0.0
                        (B)   46 CA  38 CA(0.0)  58 O (1.0)    0.0
                        (B)   47 CA  39 CA(0.0)  67 O (1.0)    0.0
                        (B)   47 CA  39 CA(0.0)  59 O (1.0)    0.0
                        (B)   40 CA  48 CA(0.0)  68 O (1.0)    0.0
                        (B)   48 CA  40 CA(0.0)  60 O (1.0)    0.0
17    106.0052  (B1U)
                        (B)   29 CA  33 CA(0.0)  47 CA(1.0)    0.0
                        (B)   30 CA  34 CA(0.0)  48 CA(1.0)    0.0
                        (B)   30 CA  38 CA(0.0)  44 CA(1.0)    0.0
                        (B)   31 CA  39 CA(0.0)  41 CA(1.0)    0.0
                        (B)   32 CA  36 CA(0.0)  46 CA(1.0)    0.0
                        (B)   32 CA  40 CA(0.0)  42 CA(1.0)    0.0
18    106.9444  (B1G)
                        (B)  123 O   41 CA(0.0)  61 O (0.9)    0.0
                        (B)  124 O   42 CA(0.0)  62 O (0.9)    0.0
                        (B)  121 O   43 CA(0.0)  63 O (0.9)    0.0
                        (B)  122 O   44 CA(0.0)  64 O (0.9)    0.0
                        (B)  119 O   45 CA(0.0)  65 O (0.9)    0.0
                        (B)  120 O   46 CA(0.0)  66 O (0.9)    0.0
                        (B)  117 O   47 CA(0.0)  67 O (0.9)    0.0
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                    (B)  118 O   48 CA(0.0)  68 O (0.9)    0.0
19    111.3702  (B2U)
                    (B)   85 O   21 CA(0.0)  67 O (0.9)    0.0
                    (B)   86 O   22 CA(0.0)  74 O (1.0)    0.0
                    (B)   87 O   23 CA(0.0)  65 O (0.9)    0.0
                    (B)   88 O   24 CA(0.0)  76 O (1.0)    0.0
                    (B)   89 O   25 CA(0.0)  63 O (0.9)    0.0
                    (B)   90 O   26 CA(0.0)  70 O (1.0)    0.0
                    (B)   91 O   27 CA(0.0)  61 O (0.9)    0.0
                    (B)   92 O   28 CA(0.0)  72 O (1.0)    0.0
20    112.9913  (B3G)
                    (B)   21 CA  39 CA(0.2)  41 CA(0.8)    0.0
                    (B)   22 CA  40 CA(0.2)  42 CA(0.8)    0.0
                    (B)   23 CA  37 CA(0.2)  43 CA(0.8)    0.0
                    (B)   24 CA  38 CA(0.2)  44 CA(0.8)    0.0
                    (B)   25 CA  35 CA(0.2)  45 CA(0.8)    0.0
                    (B)   26 CA  36 CA(0.2)  46 CA(0.8)    0.0
                    (B)   27 CA  33 CA(0.2)  47 CA(0.8)    0.0
                    (B)   28 CA  34 CA(0.2)  48 CA(0.8)    0.0
                    (B)   49 CA  33 CA(0.0)  29 CA(1.0)    0.0
                    (B)   50 CA  34 CA(0.0)  30 CA(1.0)    0.0
                    (B)   35 CA  50 CA(0.0) 121 O (1.0)    0.0
                    (B)   49 CA  36 CA(0.0)  32 CA(1.0)    0.0
                    (B)   37 CA  51 CA(0.0) 119 O (1.0)    0.0
                    (B)   52 CA  38 CA(0.0)  30 CA(1.0)    0.0
                    (B)   52 CA  39 CA(0.0)  31 CA(1.0)    0.0
                    (B)   51 CA  40 CA(0.0)  32 CA(1.0)    0.0
21    113.1081  (B1U)
                    (O)   17 SI  52 CA(0.0) 106 O (0.7)    0.0
                    (O)   18 SI  51 CA(0.0) 108 O (0.7)    0.0
                    (O)   19 SI  50 CA(0.0) 103 O (0.7)    0.0
                    (O)   20 SI  49 CA(0.0) 101 O (0.7)    0.0
22    117.6498  (B2G)
                    (O)   17 SI  52 CA(0.0) 106 O (0.8)    0.0
                    (O)   18 SI  51 CA(0.0) 108 O (0.8)    0.0
                    (O)   19 SI  50 CA(0.0) 103 O (0.8)    0.0
                    (O)   20 SI  49 CA(0.0) 101 O (0.8)    0.0
23    119.2012  (AG )
                    (B)   49 CA  33 CA(0.2)  27 CA(0.8)    0.0
                    (B)   50 CA  34 CA(0.2)  28 CA(0.8)    0.0
                    (B)   50 CA  35 CA(0.2)  25 CA(0.8)    0.0
                    (B)   49 CA  36 CA(0.2)  26 CA(0.8)    0.0
                    (B)   51 CA  37 CA(0.2)  23 CA(0.8)    0.0
                    (B)   52 CA  38 CA(0.2)  24 CA(0.8)    0.0
                    (B)   52 CA  39 CA(0.2)  21 CA(0.8)    0.0
                    (B)   51 CA  40 CA(0.2)  22 CA(0.8)    0.0
24    120.1803  (AU )
                    (S)   93 O   49 CA(0.7)  20 SI(0.3)    0.0
                    (S)   96 O   49 CA(0.7)  20 SI(0.3)    0.0
                    (B)  101 O   49 CA(0.3) 104 O (0.7)    0.0
                    (B)  104 O   49 CA(0.3)  20 SI(0.7)    0.0
                    (S)   94 O   50 CA(0.7)  19 SI(0.3)    0.0
                    (S)   95 O   50 CA(0.7)  19 SI(0.3)    0.0
                    (B)  102 O   50 CA(0.3)  19 SI(0.7)    0.0
                    (B)  103 O   50 CA(0.3) 102 O (0.7)    0.0
                    (S)   97 O   51 CA(0.7)  18 SI(0.3)    0.0
                    (S)  100 O   51 CA(0.7)  18 SI(0.3)    0.0
                    (B)  105 O   51 CA(0.3)  18 SI(0.7)    0.0
                    (B)  108 O   51 CA(0.3) 105 O (0.7)    0.0
                    (S)   98 O   52 CA(0.7)  17 SI(0.3)    0.0
                    (S)   99 O   52 CA(0.7)  17 SI(0.3)    0.0
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                    (B)  106 O   52 CA(0.3) 107 O (0.7)    0.0
                    (B)  107 O   52 CA(0.3)  17 SI(0.7)    0.0
25    120.5114  (B3U)
                    (B)   31 CA  21 CA(0.0)  33 CA(1.0)    0.0
                    (B)   32 CA  22 CA(0.0)  34 CA(1.0)    0.0
                    (B)   30 CA  24 CA(0.0)  36 CA(1.0)    0.0
                    (B)   32 CA  26 CA(0.0)  38 CA(1.0)    0.0
                    (B)   29 CA  27 CA(0.0)  39 CA(1.0)    0.0
                    (B)   30 CA  28 CA(0.0)  40 CA(1.0)    0.0
26    121.3071  (AU )
                    (B)   29 CA  21 CA(0.3)  31 CA(0.7)    0.0
                    (B)   29 CA  21 CA(0.1)  75 O (0.9)    0.0
                    (S)   21 CA  31 CA(0.6)  39 CA(0.4)    0.0
                    (B)   30 CA  22 CA(0.3)  32 CA(0.7)    0.0
                    (B)   30 CA  22 CA(0.1)  76 O (0.9)    0.0
                    (S)   32 CA  22 CA(0.6)  40 CA(0.4)    0.0
                    (S)   24 CA  30 CA(0.6)  34 CA(0.4)    0.0
                    (B)   32 CA  24 CA(0.3)  30 CA(0.7)    0.0
                    (B)   32 CA  24 CA(0.1)  74 O (0.9)    0.0
                    (B)   30 CA  26 CA(0.1)  72 O (0.9)    0.0
                    (B)   30 CA  26 CA(0.3)  32 CA(0.7)    0.0
                    (S)   26 CA  32 CA(0.6)  40 CA(0.4)    0.0
                    (S)   27 CA  29 CA(0.6)  33 CA(0.4)    0.0
                    (B)   31 CA  27 CA(0.3)  29 CA(0.7)    0.0
                    (B)   31 CA  27 CA(0.1)  69 O (0.9)    0.0
                    (S)   28 CA  30 CA(0.6)  38 CA(0.4)    0.0
                    (B)   32 CA  28 CA(0.3)  30 CA(0.7)    0.0
                    (B)   32 CA  28 CA(0.1)  70 O (0.9)    0.0
                    (B)   33 CA  29 CA(0.0)  27 CA(1.0)    0.0
                    (B)   34 CA  30 CA(0.0)  24 CA(1.0)    0.0
                    (B)   38 CA  30 CA(0.0)  24 CA(1.0)    0.0
                    (B)   39 CA  31 CA(0.0)  21 CA(1.0)    0.0
                    (B)   36 CA  32 CA(0.0)  22 CA(1.0)    0.0
                    (B)   40 CA  32 CA(0.0)  22 CA(1.0)    0.0
27    122.6509  (B1G)
                    (B)   21 CA  39 CA(0.1)  41 CA(0.9)    0.0
                    (B)   22 CA  40 CA(0.1)  42 CA(0.9)    0.0
                    (B)   23 CA  37 CA(0.1)  43 CA(0.9)    0.0
                    (B)   24 CA  38 CA(0.1)  44 CA(0.9)    0.0
                    (B)   25 CA  35 CA(0.1)  45 CA(0.9)    0.0
                    (B)   26 CA  36 CA(0.1)  46 CA(0.9)    0.0
                    (B)   27 CA  33 CA(0.1)  47 CA(0.9)    0.0
                    (B)   28 CA  34 CA(0.1)  48 CA(0.9)    0.0
28    123.0966  (B2U)
                    (B)   33 CA  29 CA(0.0)  27 CA(1.0)    0.0
                    (B)   34 CA  30 CA(0.0)  24 CA(1.0)    0.0
                    (B)   38 CA  30 CA(0.0)  24 CA(1.0)    0.0
                    (B)   39 CA  31 CA(0.0)  21 CA(1.0)    0.0
                    (B)   36 CA  32 CA(0.0)  22 CA(1.0)    0.0
                    (B)   40 CA  32 CA(0.0)  22 CA(1.0)    0.0
29    125.3173  (B1U)
                    (B)   33 CA  49 CA(0.0)  93 O (1.0)    0.0
                    (B)   34 CA  50 CA(0.0)  94 O (1.0)    0.0
                    (B)   50 CA  35 CA(0.0)  95 O (1.0)    0.0
                    (B)   49 CA  36 CA(0.0)  96 O (1.0)    0.0
                    (B)   37 CA  51 CA(0.0)  97 O (1.0)    0.0
                    (B)   52 CA  38 CA(0.0)  98 O (1.0)    0.0
                    (B)   52 CA  39 CA(0.0)  99 O (1.0)    0.0
                    (B)   51 CA  40 CA(0.0) 100 O (1.0)    0.0
                    (S)  109 O   49 CA(0.6)  96 O (0.4)    0.0
                    (S)  112 O   49 CA(0.6)  93 O (0.4)    0.0
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                    (S)  110 O   50 CA(0.6)  95 O (0.4)    0.0
                    (S)  111 O   50 CA(0.6)  94 O (0.4)    0.0
                    (S)  113 O   51 CA(0.6) 100 O (0.4)    0.0
                    (S)  116 O   51 CA(0.6)  97 O (0.4)    0.0
                    (S)  114 O   52 CA(0.6)  99 O (0.4)    0.0
                    (S)  115 O   52 CA(0.6)  98 O (0.4)    0.0
30    127.9718  (B3G)
                    (B)   21 CA  39 CA(0.0)  52 CA(1.0)    0.0
                    (B)   22 CA  40 CA(0.0)  51 CA(1.0)    0.0
                    (B)   23 CA  37 CA(0.0)  51 CA(1.0)    0.0
                    (B)   24 CA  38 CA(0.0)  52 CA(1.0)    0.0
                    (B)   25 CA  35 CA(0.0)  50 CA(1.0)    0.0
                    (B)   26 CA  36 CA(0.0)  49 CA(1.0)    0.0
                    (B)   27 CA  33 CA(0.0)  49 CA(1.0)    0.0
                    (B)   28 CA  34 CA(0.0)  50 CA(1.0)    0.0
31    130.4612  (B2G)
                    (B)   52 CA  41 CA(0.0)  33 CA(1.0)    0.0
                    (B)   51 CA  42 CA(0.0)  34 CA(1.0)    0.0
                    (B)   51 CA  43 CA(0.0)  35 CA(1.0)    0.0
                    (B)   52 CA  44 CA(0.0)  36 CA(1.0)    0.0
                    (B)   50 CA  45 CA(0.0)  37 CA(1.0)    0.0
                    (B)   49 CA  46 CA(0.0)  38 CA(1.0)    0.0
                    (B)   49 CA  47 CA(0.0)  39 CA(1.0)    0.0
                    (B)   50 CA  48 CA(0.0)  40 CA(1.0)    0.0
                    (S)   49 CA 101 O (0.5)  47 CA(0.5)    0.0
                    (S)  104 O   49 CA(0.5)  46 CA(0.5)    0.0
                    (S)   50 CA 102 O (0.5)  48 CA(0.5)    0.0
                    (S)  103 O   50 CA(0.5)  45 CA(0.5)    0.0
                    (S)  105 O   51 CA(0.5)  43 CA(0.5)    0.0
                    (S)   51 CA 108 O (0.5)  42 CA(0.5)    0.0
                    (S)  106 O   52 CA(0.5)  44 CA(0.5)    0.0
                    (S)   52 CA 107 O (0.5)  41 CA(0.5)    0.0
32    130.5367  (B1U)
                    (B)   17 SI  52 CA(0.0) 106 O (1.0)    0.0
                    (B)   18 SI  51 CA(0.0) 105 O (1.0)    0.0
                    (B)   19 SI  50 CA(0.0) 102 O (1.0)    0.0
                    (B)   20 SI  49 CA(0.0) 104 O (1.0)    0.0
                    (B)   52 CA  41 CA(0.1) 107 O (0.8)    0.0
                    (B)   51 CA  42 CA(0.1) 108 O (0.8)    0.0
                    (B)   43 CA  51 CA(0.1) 105 O (0.8)    0.0
                    (B)   44 CA  52 CA(0.1) 106 O (0.8)    0.0
                    (B)   45 CA  50 CA(0.1) 103 O (0.8)    0.0
                    (B)   49 CA  46 CA(0.1) 104 O (0.8)    0.0
                    (B)   49 CA  47 CA(0.1) 101 O (0.8)    0.0
                    (B)   50 CA  48 CA(0.1) 102 O (0.8)    0.0
                    (B)  101 O   49 CA(0.1) 109 O (0.9)    0.0
                    (B)  104 O   49 CA(0.1) 112 O (0.9)    0.0
                    (S)  109 O   49 CA(1.0)                0.0
                    (S)  112 O   49 CA(1.0)                0.0
                    (B)  122 O   49 CA(0.0)  47 CA(1.0)    0.0
                    (B)  123 O   49 CA(0.0)  46 CA(1.0)    0.0
                    (B)  102 O   50 CA(0.1) 110 O (0.9)    0.0
                    (B)  103 O   50 CA(0.1) 111 O (0.9)    0.0
                    (S)  110 O   50 CA(1.0)                0.0
                    (S)  111 O   50 CA(1.0)                0.0
                    (B)  121 O   50 CA(0.0)  48 CA(1.0)    0.0
                    (B)  124 O   50 CA(0.0)  45 CA(1.0)    0.0
                    (B)  105 O   51 CA(0.1) 113 O (0.9)    0.0
                    (B)  108 O   51 CA(0.1) 116 O (0.9)    0.0
                    (S)  113 O   51 CA(1.0)                0.0
                    (S)  116 O   51 CA(1.0)                0.0
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                    (B)  118 O   51 CA(0.0)  43 CA(1.0)    0.0
                    (B)  119 O   51 CA(0.0)  42 CA(1.0)    0.0
                    (B)  106 O   52 CA(0.1) 114 O (0.9)    0.0
                    (B)  107 O   52 CA(0.1) 115 O (0.9)    0.0
                    (S)  114 O   52 CA(1.0)                0.0
                    (S)  115 O   52 CA(1.0)                0.0
                    (B)  117 O   52 CA(0.0)  44 CA(1.0)    0.0
                    (B)  120 O   52 CA(0.0)  41 CA(1.0)    0.0
33    132.6921  (B1G)
                    (B)   41 CA  52 CA(0.2)  38 CA(0.8)    0.0
                    (B)   42 CA  51 CA(0.2)  37 CA(0.8)    0.0
                    (B)   43 CA  51 CA(0.2)  40 CA(0.8)    0.0
                    (B)   44 CA  52 CA(0.2)  39 CA(0.8)    0.0
                    (B)   45 CA  50 CA(0.2)  34 CA(0.8)    0.0
                    (B)   46 CA  49 CA(0.2)  33 CA(0.8)    0.0
                    (B)   47 CA  49 CA(0.2)  36 CA(0.8)    0.0
                    (B)   48 CA  50 CA(0.2)  35 CA(0.8)    0.0
34    135.0680  (B2U)
                    (B)   29 CA  33 CA(0.0)  49 CA(1.0)    0.0
                    (B)   30 CA  34 CA(0.0)  50 CA(1.0)    0.0
                    (B)   30 CA  38 CA(0.0)  52 CA(1.0)    0.0
                    (B)   31 CA  39 CA(0.0)  52 CA(1.0)    0.0
                    (B)   32 CA  36 CA(0.0)  49 CA(1.0)    0.0
                    (B)   32 CA  40 CA(0.0)  51 CA(1.0)    0.0
                    (B)   41 CA  52 CA(0.2)  99 O (0.7)    0.0
                    (B)   42 CA  51 CA(0.2) 100 O (0.7)    0.0
                    (B)   43 CA  51 CA(0.2)  97 O (0.7)    0.0
                    (B)   44 CA  52 CA(0.2)  98 O (0.7)    0.0
                    (B)   45 CA  50 CA(0.2)  95 O (0.7)    0.0
                    (B)   46 CA  49 CA(0.2)  96 O (0.7)    0.0
                    (B)   47 CA  49 CA(0.2)  93 O (0.7)    0.0
                    (B)   48 CA  50 CA(0.2)  94 O (0.7)    0.0
35    141.1728  (B3U)
                    (S)   21 CA  33 CA(0.6)  53 O (0.4)    0.0
                    (S)   33 CA  21 CA(0.5)  85 O (0.5)    0.0
                    (B)   21 CA  39 CA(0.0)  41 CA(0.9)    0.0
                    (S)   34 CA  22 CA(0.5)  86 O (0.5)    0.0
                    (S)   22 CA  34 CA(0.6)  54 O (0.4)    0.0
                    (B)   22 CA  40 CA(0.0)  42 CA(0.9)    0.0
                    (S)   35 CA  23 CA(0.5)  87 O (0.5)    0.0
                    (S)   23 CA  35 CA(0.6)  55 O (0.4)    0.0
                    (B)   23 CA  37 CA(0.0)  43 CA(0.9)    0.0
                    (S)   24 CA  36 CA(0.6)  56 O (0.4)    0.0
                    (S)   36 CA  24 CA(0.5)  88 O (0.5)    0.0
                    (B)   24 CA  38 CA(0.0)  44 CA(0.9)    0.0
                    (B)   25 CA  35 CA(0.0)  45 CA(0.9)    0.0
                    (S)   25 CA  37 CA(0.6)  57 O (0.4)    0.0
                    (S)   37 CA  25 CA(0.5)  89 O (0.5)    0.0
                    (B)   26 CA  36 CA(0.0)  46 CA(0.9)    0.0
                    (S)   38 CA  26 CA(0.5)  90 O (0.5)    0.0
                    (S)   26 CA  38 CA(0.6)  58 O (0.4)    0.0
                    (B)   27 CA  33 CA(0.0)  47 CA(0.9)    0.0
                    (S)   39 CA  27 CA(0.5)  91 O (0.5)    0.0
                    (S)   27 CA  39 CA(0.6)  59 O (0.4)    0.0
                    (B)   28 CA  34 CA(0.0)  48 CA(0.9)    0.0
                    (S)   28 CA  40 CA(0.6)  60 O (0.4)    0.0
                    (S)   40 CA  28 CA(0.5)  92 O (0.5)    0.0
                    (B)   29 CA  33 CA(0.0)  47 CA(0.9)    0.0
                    (B)   30 CA  34 CA(0.0)  48 CA(0.9)    0.0
                    (B)   30 CA  38 CA(0.0)  44 CA(0.9)    0.0
                    (B)   31 CA  39 CA(0.0)  41 CA(0.9)    0.0
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                    (B)   32 CA  36 CA(0.0)  46 CA(0.9)    0.0
                    (B)   32 CA  40 CA(0.0)  42 CA(0.9)    0.0
                    (B)   49 CA  33 CA(0.1)  29 CA(0.9)    0.0
                    (B)   50 CA  34 CA(0.1)  30 CA(0.9)    0.0
                    (B)   35 CA  50 CA(0.1)  48 CA(0.9)    0.0
                    (B)   49 CA  36 CA(0.1)  32 CA(0.9)    0.0
                    (B)   37 CA  51 CA(0.1)  42 CA(0.9)    0.0
                    (B)   52 CA  38 CA(0.1)  30 CA(0.9)    0.0
                    (B)   52 CA  39 CA(0.1)  31 CA(0.9)    0.0
                    (B)   51 CA  40 CA(0.1)  32 CA(0.9)    0.0
36    143.3904  (AU )
                    (B)   39 CA  21 CA(0.2)  67 O (0.8)    0.0
                    (B)   21 CA  85 O (0.1)   9 SI(0.8)    0.0
                    (B)   40 CA  22 CA(0.2)  68 O (0.8)    0.0
                    (B)   22 CA  86 O (0.1)  10 SI(0.8)    0.0
                    (B)   23 CA  37 CA(0.2)  65 O (0.8)    0.0
                    (B)   23 CA  87 O (0.1)  11 SI(0.8)    0.0
                    (B)   38 CA  24 CA(0.2)  66 O (0.8)    0.0
                    (B)   24 CA  88 O (0.1)  12 SI(0.8)    0.0
                    (B)   35 CA  25 CA(0.2)  63 O (0.8)    0.0
                    (B)   25 CA  89 O (0.1)  13 SI(0.8)    0.0
                    (B)   36 CA  26 CA(0.2)  64 O (0.8)    0.0
                    (B)   26 CA  90 O (0.1)  14 SI(0.8)    0.0
                    (B)   27 CA  33 CA(0.2)  61 O (0.8)    0.0
                    (B)   27 CA  91 O (0.1)  15 SI(0.8)    0.0
                    (B)   28 CA  34 CA(0.2)  62 O (0.8)    0.0
                    (B)   28 CA  92 O (0.1)  16 SI(0.8)    0.0
                    (B)   33 CA  29 CA(0.0)   1 SI(1.0)    0.0
                    (B)   34 CA  30 CA(0.0)   2 SI(1.0)    0.0
                    (B)   38 CA  30 CA(0.0)   2 SI(1.0)    0.0
                    (B)   39 CA  31 CA(0.0)   7 SI(1.0)    0.0
                    (B)   36 CA  32 CA(0.0)   4 SI(1.0)    0.0
                    (B)   40 CA  32 CA(0.0)   4 SI(1.0)    0.0
37    143.8093  (AG )
                    (S)   33 CA  21 CA(0.5)  33 CA(0.5)    0.0
                    (B)   21 CA  33 CA(0.3)  41 CA(0.7)    0.0
                    (B)   22 CA  34 CA(0.3)  42 CA(0.7)    0.0
                    (S)   34 CA  22 CA(0.5)  34 CA(0.5)    0.0
                    (B)   23 CA  35 CA(0.3)  43 CA(0.7)    0.0
                    (S)   35 CA  23 CA(0.5)  35 CA(0.5)    0.0
                    (S)   36 CA  24 CA(0.5)  36 CA(0.5)    0.0
                    (B)   24 CA  36 CA(0.3)  44 CA(0.7)    0.0
                    (S)   37 CA  25 CA(0.5)  37 CA(0.5)    0.0
                    (B)   25 CA  37 CA(0.3)  45 CA(0.7)    0.0
                    (B)   26 CA  38 CA(0.3)  46 CA(0.7)    0.0
                    (S)   38 CA  26 CA(0.5)  38 CA(0.5)    0.0
                    (B)   27 CA  39 CA(0.3)  47 CA(0.7)    0.0
                    (S)   39 CA  27 CA(0.5)  39 CA(0.5)    0.0
                    (S)   40 CA  28 CA(0.5)  40 CA(0.5)    0.0
                    (B)   28 CA  40 CA(0.3)  48 CA(0.7)    0.0
38    144.6059  (B2G)
                    (O)  123 O   41 CA(0.0)  61 O (0.7)    0.0
                    (O)  124 O   42 CA(0.0)  62 O (0.7)    0.0
                    (O)  121 O   43 CA(0.0)  63 O (0.7)    0.0
                    (O)  122 O   44 CA(0.0)  64 O (0.7)    0.0
                    (O)  119 O   45 CA(0.0)  65 O (0.7)    0.0
                    (O)  120 O   46 CA(0.0)  66 O (0.7)    0.0
                    (O)  117 O   47 CA(0.0)  67 O (0.7)    0.0
                    (O)  118 O   48 CA(0.0)  68 O (0.7)    0.0
39    144.9305  (B1U)
                    (B)  101 O   49 CA(0.4) 109 O (0.5)    0.0
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                    (B)  104 O   49 CA(0.4) 112 O (0.5)    0.0
                    (B)  102 O   50 CA(0.4) 110 O (0.5)    0.0
                    (B)  103 O   50 CA(0.4) 111 O (0.5)    0.0
                    (B)  105 O   51 CA(0.4) 113 O (0.5)    0.0
                    (B)  108 O   51 CA(0.4) 116 O (0.5)    0.0
                    (B)  106 O   52 CA(0.4) 114 O (0.5)    0.0
                    (B)  107 O   52 CA(0.4) 115 O (0.5)    0.0
40    145.9415  (B2G)
                    (B)   49 CA  33 CA(0.0)   1 SI(0.9)    0.0
                    (B)   50 CA  34 CA(0.0)   2 SI(0.9)    0.0
                    (B)   50 CA  35 CA(0.0)   3 SI(0.9)    0.0
                    (B)   49 CA  36 CA(0.0)   4 SI(0.9)    0.0
                    (B)   51 CA  37 CA(0.0)   5 SI(0.9)    0.0
                    (B)   52 CA  38 CA(0.0)   6 SI(0.9)    0.0
                    (B)   52 CA  39 CA(0.0)   7 SI(0.9)    0.0
                    (B)   51 CA  40 CA(0.0)   8 SI(0.9)    0.0
                    (S)   49 CA 109 O (0.7)   9 SI(0.3)    0.0
                    (S)   49 CA 112 O (0.7)  12 SI(0.3)    0.0
                    (S)   50 CA 110 O (0.7)  10 SI(0.3)    0.0
                    (S)   50 CA 111 O (0.7)  11 SI(0.3)    0.0
                    (S)   51 CA 113 O (0.7)  13 SI(0.3)    0.0
                    (S)   51 CA 116 O (0.7)  16 SI(0.3)    0.0
                    (S)   52 CA 114 O (0.7)  14 SI(0.3)    0.0
                    (S)   52 CA 115 O (0.7)  15 SI(0.3)    0.0
41    147.0217  (B3G)
                    (B)   33 CA  21 CA(0.2)  67 O (0.7)    0.0
                    (B)   33 CA  21 CA(0.3)  29 CA(0.7)    0.0
                    (B)   34 CA  22 CA(0.3)  30 CA(0.7)    0.0
                    (B)   34 CA  22 CA(0.2)  74 O (0.8)    0.0
                    (B)   23 CA  35 CA(0.3)  79 O (0.7)    0.0
                    (B)   35 CA  23 CA(0.2)  65 O (0.7)    0.0
                    (B)   36 CA  24 CA(0.2)  76 O (0.8)    0.0
                    (B)   36 CA  24 CA(0.3)  32 CA(0.7)    0.0
                    (B)   37 CA  25 CA(0.2)  63 O (0.7)    0.0
                    (B)   25 CA  37 CA(0.3)  81 O (0.7)    0.0
                    (B)   38 CA  26 CA(0.3)  30 CA(0.7)    0.0
                    (B)   38 CA  26 CA(0.2)  70 O (0.8)    0.0
                    (B)   39 CA  27 CA(0.3)  31 CA(0.7)    0.0
                    (B)   39 CA  27 CA(0.2)  61 O (0.7)    0.0
                    (B)   40 CA  28 CA(0.2)  72 O (0.8)    0.0
                    (B)   40 CA  28 CA(0.3)  32 CA(0.7)    0.0
                    (B)   47 CA  33 CA(0.0)  49 CA(1.0)    0.0
                    (B)   33 CA  49 CA(0.1)  46 CA(0.9)    0.0
                    (B)   48 CA  34 CA(0.0)  50 CA(1.0)    0.0
                    (B)   34 CA  50 CA(0.1)  45 CA(0.9)    0.0
                    (B)   35 CA  45 CA(0.0)  50 CA(1.0)    0.0
                    (B)   35 CA  50 CA(0.1)  48 CA(0.9)    0.0
                    (B)   46 CA  36 CA(0.0)  49 CA(1.0)    0.0
                    (B)   36 CA  49 CA(0.1)  47 CA(0.9)    0.0
                    (B)   43 CA  37 CA(0.0)  51 CA(1.0)    0.0
                    (B)   37 CA  51 CA(0.1)  42 CA(0.9)    0.0
                    (B)   44 CA  38 CA(0.0)  52 CA(1.0)    0.0
                    (B)   38 CA  52 CA(0.1)  41 CA(0.9)    0.0
                    (B)   41 CA  39 CA(0.0)  52 CA(1.0)    0.0
                    (B)   39 CA  52 CA(0.1)  44 CA(0.9)    0.0
                    (B)   42 CA  40 CA(0.0)  51 CA(1.0)    0.0
                    (B)   40 CA  51 CA(0.1)  43 CA(0.9)    0.0
                    (B)   41 CA  52 CA(0.0)  17 SI(1.0)    0.0
                    (B)   42 CA  51 CA(0.0)  18 SI(1.0)    0.0
                    (B)   43 CA  51 CA(0.0)  42 CA(1.0)    0.0
                    (B)   44 CA  52 CA(0.0)  41 CA(1.0)    0.0
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                    (B)   45 CA  50 CA(0.0)  19 SI(1.0)    0.0
                    (B)   46 CA  49 CA(0.0)  47 CA(1.0)    0.0
                    (B)   47 CA  49 CA(0.0)  20 SI(1.0)    0.0
                    (B)   48 CA  50 CA(0.0)  45 CA(1.0)    0.0
42    148.7895  (B2U)
                    (B)   52 CA  17 SI(0.0) 120 O (1.0)    0.0
                    (B)   51 CA  18 SI(0.0) 118 O (1.0)    0.0
                    (B)   50 CA  19 SI(0.0) 124 O (1.0)    0.0
                    (B)   20 SI  49 CA(0.0) 123 O (1.0)    0.0
                    (B)   33 CA  49 CA(0.2)  93 O (0.8)    0.0
                    (B)   34 CA  50 CA(0.2)  94 O (0.8)    0.0
                    (B)   50 CA  35 CA(0.2)  95 O (0.8)    0.0
                    (B)   49 CA  36 CA(0.2)  96 O (0.8)    0.0
                    (B)   37 CA  51 CA(0.2)  97 O (0.8)    0.0
                    (B)   52 CA  38 CA(0.2)  98 O (0.8)    0.0
                    (B)   52 CA  39 CA(0.2)  99 O (0.8)    0.0
                    (B)   51 CA  40 CA(0.2) 100 O (0.8)    0.0
                    (B)   41 CA  52 CA(0.0) 115 O (0.9)    0.0
                    (B)   51 CA  42 CA(0.0) 116 O (0.9)    0.0
                    (B)   43 CA  51 CA(0.0) 113 O (0.9)    0.0
                    (B)   52 CA  44 CA(0.0) 114 O (0.9)    0.0
                    (B)   50 CA  45 CA(0.0) 111 O (0.9)    0.0
                    (B)   49 CA  46 CA(0.0) 112 O (0.9)    0.0
                    (B)   47 CA  49 CA(0.0) 109 O (0.9)    0.0
                    (B)   48 CA  50 CA(0.0) 110 O (0.9)    0.0
                    (S)  109 O   49 CA(0.8) 101 O (0.2)    0.0
                    (S)  112 O   49 CA(0.8) 104 O (0.2)    0.0
                    (S)  110 O   50 CA(0.8) 102 O (0.2)    0.0
                    (S)  111 O   50 CA(0.8) 103 O (0.2)    0.0
                    (S)  113 O   51 CA(0.8) 105 O (0.2)    0.0
                    (S)  116 O   51 CA(0.8) 108 O (0.2)    0.0
                    (S)  114 O   52 CA(0.8) 106 O (0.2)    0.0
                    (S)  115 O   52 CA(0.8) 107 O (0.2)    0.0
43    149.3784  (B1G)
                    (B)   52 CA  17 SI(0.0) 120 O (0.9)    0.0
                    (B)   18 SI  51 CA(0.0) 118 O (0.9)    0.0
                    (B)   50 CA  19 SI(0.0) 124 O (0.9)    0.0
                    (B)   20 SI  49 CA(0.0) 123 O (0.9)    0.0
                    (B)   33 CA  49 CA(0.3)  93 O (0.7)    0.0
                    (B)   34 CA  50 CA(0.3)  94 O (0.7)    0.0
                    (B)   50 CA  35 CA(0.3)  95 O (0.7)    0.0
                    (B)   36 CA  49 CA(0.3)  96 O (0.7)    0.0
                    (B)   37 CA  51 CA(0.3)  97 O (0.7)    0.0
                    (B)   52 CA  38 CA(0.3)  98 O (0.7)    0.0
                    (B)   52 CA  39 CA(0.3)  99 O (0.7)    0.0
                    (B)   51 CA  40 CA(0.3) 100 O (0.7)    0.0
                    (B)   93 O   49 CA(0.0)  33 CA(1.0)    0.0
                    (B)   96 O   49 CA(0.0)  36 CA(1.0)    0.0
                    (S)  109 O   49 CA(0.8) 101 O (0.2)    0.0
                    (S)  112 O   49 CA(0.8) 104 O (0.2)    0.0
                    (B)   94 O   50 CA(0.0)  34 CA(1.0)    0.0
                    (B)   50 CA  95 O (0.0)  35 CA(1.0)    0.0
                    (S)  110 O   50 CA(0.8) 102 O (0.2)    0.0
                    (S)  111 O   50 CA(0.8) 103 O (0.2)    0.0
                    (B)   97 O   51 CA(0.0)  37 CA(1.0)    0.0
                    (B)   51 CA 100 O (0.0)  40 CA(1.0)    0.0
                    (S)  113 O   51 CA(0.8) 105 O (0.2)    0.0
                    (S)  116 O   51 CA(0.8) 108 O (0.2)    0.0
                    (B)   98 O   52 CA(0.0)  38 CA(1.0)    0.0
                    (B)   99 O   52 CA(0.0)  39 CA(1.0)    0.0
                    (S)  114 O   52 CA(0.8) 106 O (0.2)    0.0
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                    (S)  115 O   52 CA(0.8) 107 O (0.2)    0.0
44    149.7087  (AG )
                    (B)   39 CA  21 CA(0.0)  29 CA(1.0)    0.0
                    (B)   40 CA  22 CA(0.0)  30 CA(1.0)    0.0
                    (B)   23 CA  37 CA(0.0)  13 SI(0.9)    0.0
                    (B)   38 CA  24 CA(0.0)  32 CA(1.0)    0.0
                    (B)   25 CA  35 CA(0.0)  11 SI(0.9)    0.0
                    (B)   36 CA  26 CA(0.0)  30 CA(1.0)    0.0
                    (B)   33 CA  27 CA(0.0)  31 CA(1.0)    0.0
                    (B)   34 CA  28 CA(0.0)  32 CA(1.0)    0.0
45    152.3507  (B1U)
                    (S)   49 CA  33 CA(0.9)                0.0
                    (S)   50 CA  34 CA(0.9)                0.0
                    (S)   50 CA  35 CA(0.9)                0.0
                    (S)   49 CA  36 CA(0.9)                0.0
                    (S)   51 CA  37 CA(0.9)                0.0
                    (S)   52 CA  38 CA(0.9)                0.0
                    (S)   52 CA  39 CA(0.9)                0.0
                    (S)   51 CA  40 CA(0.9)                0.0
                    (B)   52 CA  41 CA(0.0)  93 O (1.0)    0.0
                    (B)   51 CA  42 CA(0.0)  94 O (1.0)    0.0
                    (B)   51 CA  43 CA(0.0)  95 O (1.0)    0.0
                    (B)   52 CA  44 CA(0.0)  96 O (1.0)    0.0
                    (B)   50 CA  45 CA(0.0)  97 O (1.0)    0.0
                    (B)   49 CA  46 CA(0.0)  98 O (1.0)    0.0
                    (B)   49 CA  47 CA(0.0)  99 O (1.0)    0.0
                    (B)   50 CA  48 CA(0.0) 100 O (1.0)    0.0
46    153.3955  (AG )
                    (B)   74 O   22 CA(0.3)  40 CA(0.6)    0.0
                    (B)   76 O   24 CA(0.3)  38 CA(0.6)    0.0
                    (B)   70 O   26 CA(0.3)  36 CA(0.6)    0.0
                    (B)   72 O   28 CA(0.3)  34 CA(0.6)    0.0
                    (S)   41 CA  33 CA(0.9)                0.0
                    (B)   33 CA  41 CA(0.0)  15 SI(1.0)    0.0
                    (B)   49 CA  33 CA(0.1)  85 O (0.9)    0.0
                    (S)   42 CA  34 CA(0.9)                0.0
                    (B)   34 CA  42 CA(0.0)  16 SI(1.0)    0.0
                    (B)   50 CA  34 CA(0.1)  86 O (0.9)    0.0
                    (S)   43 CA  35 CA(0.9)                0.0
                    (B)   35 CA  43 CA(0.0)  13 SI(1.0)    0.0
                    (B)   50 CA  35 CA(0.1)  87 O (0.9)    0.0
                    (S)   44 CA  36 CA(0.9)                0.0
                    (B)   36 CA  44 CA(0.0)  14 SI(1.0)    0.0
                    (B)   49 CA  36 CA(0.1)  88 O (0.9)    0.0
                    (S)   45 CA  37 CA(0.9)                0.0
                    (B)   37 CA  45 CA(0.0)  11 SI(1.0)    0.0
                    (B)   51 CA  37 CA(0.1)  89 O (0.9)    0.0
                    (S)   46 CA  38 CA(0.9)                0.0
                    (B)   38 CA  46 CA(0.0)  12 SI(1.0)    0.0
                    (B)   52 CA  38 CA(0.1)  90 O (0.9)    0.0
                    (S)   47 CA  39 CA(0.9)                0.0
                    (B)   39 CA  47 CA(0.0)   9 SI(1.0)    0.0
                    (B)   52 CA  39 CA(0.1)  91 O (0.9)    0.0
                    (S)   48 CA  40 CA(0.9)                0.0
                    (B)   40 CA  48 CA(0.0)  10 SI(1.0)    0.0
                    (B)   51 CA  40 CA(0.1)  92 O (0.9)    0.0
                    (B)   61 O   41 CA(0.1)  39 CA(0.9)    0.0
                    (B)   62 O   42 CA(0.1)  40 CA(0.9)    0.0
                    (B)   63 O   43 CA(0.1)  37 CA(0.9)    0.0
                    (B)   64 O   44 CA(0.1)  38 CA(0.9)    0.0
                    (B)   65 O   45 CA(0.1)  35 CA(0.9)    0.0
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                    (B)   66 O   46 CA(0.1)  36 CA(0.9)    0.0
                    (B)   67 O   47 CA(0.1)  33 CA(0.9)    0.0
                    (B)   68 O   48 CA(0.1)  34 CA(0.9)    0.0
47    153.5506  (AU )
                    (B)   21 CA  31 CA(0.1)  39 CA(0.9)    0.0
                    (S)   39 CA  21 CA(0.7)  75 O (0.3)    0.0
                    (B)   22 CA  32 CA(0.1)  36 CA(0.9)    0.0
                    (S)   40 CA  22 CA(0.7)  76 O (0.3)    0.0
                    (S)   37 CA  23 CA(0.7)  73 O (0.3)    0.0
                    (B)   24 CA  30 CA(0.1)  34 CA(0.9)    0.0
                    (S)   38 CA  24 CA(0.7)  74 O (0.3)    0.0
                    (S)   35 CA  25 CA(0.7)  71 O (0.3)    0.0
                    (B)   26 CA  32 CA(0.1)  36 CA(0.9)    0.0
                    (S)   36 CA  26 CA(0.7)  72 O (0.3)    0.0
                    (B)   27 CA  29 CA(0.1)  33 CA(0.9)    0.0
                    (S)   33 CA  27 CA(0.7)  69 O (0.3)    0.0
                    (B)   28 CA  30 CA(0.1)  34 CA(0.9)    0.0
                    (S)   34 CA  28 CA(0.7)  70 O (0.3)    0.0
                    (B)   93 O   33 CA(0.1) 109 O (0.9)    0.0
                    (B)   94 O   34 CA(0.1) 110 O (0.9)    0.0
                    (B)   95 O   35 CA(0.1) 111 O (0.9)    0.0
                    (B)   96 O   36 CA(0.1) 112 O (0.9)    0.0
                    (B)   97 O   37 CA(0.1) 113 O (0.9)    0.0
                    (B)   98 O   38 CA(0.1) 114 O (0.9)    0.0
                    (B)   99 O   39 CA(0.1) 115 O (0.9)    0.0
                    (B)  100 O   40 CA(0.1) 116 O (0.9)    0.0
48    158.8416  (B3U)
                    (B)   21 CA  39 CA(0.0)  15 SI(1.0)    0.0
                    (B)   22 CA  40 CA(0.0)  16 SI(1.0)    0.0
                    (B)   23 CA  37 CA(0.0)  13 SI(1.0)    0.0
                    (B)   24 CA  38 CA(0.0)  14 SI(1.0)    0.0
                    (B)   25 CA  35 CA(0.0)  11 SI(1.0)    0.0
                    (B)   26 CA  36 CA(0.0)  12 SI(1.0)    0.0
                    (B)   27 CA  33 CA(0.0)   9 SI(1.0)    0.0
                    (B)   28 CA  34 CA(0.0)  10 SI(1.0)    0.0
                    (B)   93 O   41 CA(0.1)  33 CA(0.9)    0.0
                    (B)   94 O   42 CA(0.1)  34 CA(0.9)    0.0
                    (B)   95 O   43 CA(0.1)  35 CA(0.9)    0.0
                    (B)   96 O   44 CA(0.1)  36 CA(0.9)    0.0
                    (B)   97 O   45 CA(0.1)  37 CA(0.9)    0.0
                    (B)   98 O   46 CA(0.1)  38 CA(0.9)    0.0
                    (B)   99 O   47 CA(0.1)  39 CA(0.9)    0.0
                    (B)  100 O   48 CA(0.1)  40 CA(0.9)    0.0
49    159.3537  (B2U)
                    (B)   21 CA  31 CA(0.1)  39 CA(0.9)    0.0
                    (B)   22 CA  32 CA(0.1)  36 CA(0.9)    0.0
                    (B)   24 CA  30 CA(0.1)  34 CA(0.9)    0.0
                    (B)   26 CA  32 CA(0.1)  36 CA(0.9)    0.0
                    (B)   27 CA  29 CA(0.1)  33 CA(0.9)    0.0
                    (B)   28 CA  30 CA(0.1)  34 CA(0.9)    0.0
                    (B)   93 O   49 CA(0.5)  33 CA(0.5)    0.0
                    (B)   96 O   49 CA(0.5)  36 CA(0.5)    0.0
                    (B)   94 O   50 CA(0.5)  34 CA(0.5)    0.0
                    (B)   50 CA  95 O (0.5)  35 CA(0.5)    0.0
                    (B)   97 O   51 CA(0.5)  37 CA(0.5)    0.0
                    (B)   51 CA 100 O (0.5)  40 CA(0.5)    0.0
                    (B)   98 O   52 CA(0.5)  38 CA(0.5)    0.0
                    (B)   99 O   52 CA(0.5)  39 CA(0.5)    0.0
50    161.7545  (B3G)
                    (B)   22 CA  74 O (0.0)   6 SI(1.0)    0.0
                    (B)   24 CA  76 O (0.0)   8 SI(1.0)    0.0
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                    (B)   26 CA  70 O (0.0)   2 SI(1.0)    0.0
                    (B)   28 CA  72 O (0.0)   4 SI(1.0)    0.0
                    (B)   41 CA  33 CA(0.0) 109 O (1.0)    0.0
                    (B)   41 CA  33 CA(0.2)  49 CA(0.8)    0.0
                    (B)   93 O   33 CA(0.0) 109 O (1.0)    0.0
                    (B)   42 CA  34 CA(0.0) 110 O (1.0)    0.0
                    (B)   42 CA  34 CA(0.2)  50 CA(0.8)    0.0
                    (B)   94 O   34 CA(0.0) 110 O (1.0)    0.0
                    (B)   43 CA  35 CA(0.0) 111 O (1.0)    0.0
                    (B)   43 CA  35 CA(0.2)  50 CA(0.8)    0.0
                    (B)   95 O   35 CA(0.0) 111 O (1.0)    0.0
                    (B)   44 CA  36 CA(0.0) 112 O (1.0)    0.0
                    (B)   44 CA  36 CA(0.2)  49 CA(0.8)    0.0
                    (B)   96 O   36 CA(0.0) 112 O (1.0)    0.0
                    (B)   45 CA  37 CA(0.0) 113 O (1.0)    0.0
                    (B)   45 CA  37 CA(0.2)  51 CA(0.8)    0.0
                    (B)   97 O   37 CA(0.0) 113 O (1.0)    0.0
                    (B)   46 CA  38 CA(0.0) 114 O (1.0)    0.0
                    (B)   46 CA  38 CA(0.2)  52 CA(0.8)    0.0
                    (B)   98 O   38 CA(0.0) 114 O (1.0)    0.0
                    (B)   47 CA  39 CA(0.0) 115 O (1.0)    0.0
                    (B)   47 CA  39 CA(0.2)  52 CA(0.8)    0.0
                    (B)   99 O   39 CA(0.0) 115 O (1.0)    0.0
                    (B)   48 CA  40 CA(0.0) 116 O (1.0)    0.0
                    (B)   48 CA  40 CA(0.2)  51 CA(0.8)    0.0
                    (B)  100 O   40 CA(0.0) 116 O (1.0)    0.0
51    161.7557  (B1G)
                    (S)   33 CA  21 CA(0.6)  29 CA(0.4)    0.0
                    (B)   33 CA  21 CA(0.1)  85 O (0.9)    0.0
                    (B)   34 CA  22 CA(0.1)  86 O (0.9)    0.0
                    (S)   34 CA  22 CA(0.6)  30 CA(0.4)    0.0
                    (B)   22 CA  74 O (0.0)   6 SI(1.0)    0.0
                    (B)   35 CA  23 CA(0.1)  87 O (0.9)    0.0
                    (S)   35 CA  23 CA(0.6)  81 O (0.4)    0.0
                    (S)   36 CA  24 CA(0.6)  32 CA(0.4)    0.0
                    (B)   36 CA  24 CA(0.1)  88 O (0.9)    0.0
                    (B)   24 CA  76 O (0.0)   8 SI(1.0)    0.0
                    (S)   37 CA  25 CA(0.6)  79 O (0.4)    0.0
                    (B)   37 CA  25 CA(0.1)  89 O (0.9)    0.0
                    (B)   38 CA  26 CA(0.1)  90 O (0.9)    0.0
                    (S)   38 CA  26 CA(0.6)  30 CA(0.4)    0.0
                    (B)   26 CA  70 O (0.0)   2 SI(1.0)    0.0
                    (B)   39 CA  27 CA(0.1)  91 O (0.9)    0.0
                    (S)   39 CA  27 CA(0.6)  31 CA(0.4)    0.0
                    (S)   40 CA  28 CA(0.6)  32 CA(0.4)    0.0
                    (B)   40 CA  28 CA(0.1)  92 O (0.9)    0.0
                    (B)   28 CA  72 O (0.0)   4 SI(1.0)    0.0
                    (S)   93 O   49 CA(0.7) 109 O (0.3)    0.0
                    (S)   96 O   49 CA(0.7) 112 O (0.3)    0.0
                    (S)  109 O   49 CA(0.8)  96 O (0.2)    0.0
                    (S)  112 O   49 CA(0.8)  93 O (0.2)    0.0
                    (S)   94 O   50 CA(0.7) 110 O (0.3)    0.0
                    (S)   95 O   50 CA(0.7) 111 O (0.3)    0.0
                    (S)  110 O   50 CA(0.8)  95 O (0.2)    0.0
                    (S)  111 O   50 CA(0.8)  94 O (0.2)    0.0
                    (S)   97 O   51 CA(0.7) 113 O (0.3)    0.0
                    (S)  100 O   51 CA(0.7) 116 O (0.3)    0.0
                    (S)  113 O   51 CA(0.8) 100 O (0.2)    0.0
                    (S)  116 O   51 CA(0.8)  97 O (0.2)    0.0
                    (S)   98 O   52 CA(0.7) 114 O (0.3)    0.0
                    (S)   99 O   52 CA(0.7) 115 O (0.3)    0.0
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                    (S)  114 O   52 CA(0.8)  99 O (0.2)    0.0
                    (S)  115 O   52 CA(0.8)  98 O (0.2)    0.0
52    165.9629  (B2G)
                    (B)   41 CA  52 CA(0.2)  17 SI(0.8)    0.0
                    (B)   42 CA  51 CA(0.2)  18 SI(0.8)    0.0
                    (B)   43 CA  51 CA(0.2)  18 SI(0.8)    0.0
                    (B)   44 CA  52 CA(0.2)  41 CA(0.8)    0.0
                    (B)   45 CA  50 CA(0.2)  19 SI(0.8)    0.0
                    (B)   46 CA  49 CA(0.2)  47 CA(0.8)    0.0
                    (B)   47 CA  49 CA(0.2)  20 SI(0.8)    0.0
                    (B)   48 CA  50 CA(0.2)  19 SI(0.8)    0.0
53    169.1201  (AG )
                    (O)  117 O   17 SI(0.0) 104 O (0.7)    0.0
                    (O)  120 O   17 SI(0.0) 101 O (0.7)    0.0
                    (O)  118 O   18 SI(0.0) 103 O (0.7)    0.0
                    (O)  119 O   18 SI(0.0) 102 O (0.7)    0.0
                    (O)  121 O   19 SI(0.0) 108 O (0.7)    0.0
                    (O)  124 O   19 SI(0.0) 105 O (0.7)    0.0
                    (O)  122 O   20 SI(0.0) 107 O (0.7)    0.0
                    (O)  123 O   20 SI(0.0) 106 O (0.7)    0.0
                    (S)   33 CA  41 CA(0.6) 107 O (0.4)    0.0
                    (B)   33 CA  41 CA(0.0)  61 O (1.0)    0.0
                    (B)   33 CA  47 CA(0.0)  67 O (1.0)    0.0
                    (S)   34 CA  42 CA(0.6) 108 O (0.4)    0.0
                    (B)   34 CA  42 CA(0.0)  62 O (1.0)    0.0
                    (B)   34 CA  48 CA(0.0)  68 O (1.0)    0.0
                    (S)   35 CA  43 CA(0.6) 105 O (0.4)    0.0
                    (B)   35 CA  43 CA(0.0)  63 O (1.0)    0.0
                    (B)   35 CA  45 CA(0.0)  65 O (1.0)    0.0
                    (S)   36 CA  44 CA(0.6) 106 O (0.4)    0.0
                    (B)   36 CA  44 CA(0.0)  64 O (1.0)    0.0
                    (B)   36 CA  46 CA(0.0)  66 O (1.0)    0.0
                    (B)   37 CA  43 CA(0.0)  63 O (1.0)    0.0
                    (S)   37 CA  45 CA(0.6) 103 O (0.4)    0.0
                    (B)   37 CA  45 CA(0.0)  65 O (1.0)    0.0
                    (B)   38 CA  44 CA(0.0)  64 O (1.0)    0.0
                    (S)   38 CA  46 CA(0.6) 104 O (0.4)    0.0
                    (B)   38 CA  46 CA(0.0)  66 O (1.0)    0.0
                    (B)   39 CA  41 CA(0.0)  61 O (1.0)    0.0
                    (S)   39 CA  47 CA(0.6) 101 O (0.4)    0.0
                    (B)   39 CA  47 CA(0.0)  67 O (1.0)    0.0
                    (B)   40 CA  42 CA(0.0)  62 O (1.0)    0.0
                    (S)   40 CA  48 CA(0.6) 102 O (0.4)    0.0
                    (B)   40 CA  48 CA(0.0)  68 O (1.0)    0.0
                    (O)   41 CA  91 O (0.2)  39 CA(0.5)    0.0
                    (O)   92 O   42 CA(0.2)  40 CA(0.5)    0.0
                    (O)   89 O   43 CA(0.2)  37 CA(0.5)    0.0
                    (O)   90 O   44 CA(0.2)  38 CA(0.5)    0.0
                    (O)   87 O   45 CA(0.2)  35 CA(0.5)    0.0
                    (O)   46 CA  88 O (0.2)  36 CA(0.5)    0.0
                    (O)   85 O   47 CA(0.2)  33 CA(0.5)    0.0
                    (O)   86 O   48 CA(0.2)  34 CA(0.5)    0.0
                    (B)  122 O   49 CA(0.0)  96 O (1.0)    0.0
                    (B)  123 O   49 CA(0.0)  93 O (1.0)    0.0
                    (B)  121 O   50 CA(0.0)  95 O (1.0)    0.0
                    (B)  124 O   50 CA(0.0)  94 O (1.0)    0.0
                    (B)  118 O   51 CA(0.0) 100 O (1.0)    0.0
                    (B)  119 O   51 CA(0.0)  97 O (1.0)    0.0
                    (B)  117 O   52 CA(0.0)  99 O (1.0)    0.0
                    (B)  120 O   52 CA(0.0)  98 O (1.0)    0.0
54    173.1687  (B2U)
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                    (S)   93 O   49 CA(1.0)                0.0
                    (S)   96 O   49 CA(1.0)                0.0
                    (S)   94 O   50 CA(1.0)                0.0
                    (S)   95 O   50 CA(1.0)                0.0
                    (S)   97 O   51 CA(1.0)                0.0
                    (S)  100 O   51 CA(1.0)                0.0
                    (S)   98 O   52 CA(1.0)                0.0
                    (S)   99 O   52 CA(1.0)                0.0
55    175.3671  (B1U)
                    (S)   93 O   49 CA(0.9)                0.0
                    (S)   96 O   49 CA(0.9)                0.0
                    (S)   94 O   50 CA(0.9)                0.0
                    (S)   95 O   50 CA(0.9)                0.0
                    (S)   97 O   51 CA(0.9)                0.0
                    (S)  100 O   51 CA(0.9)                0.0
                    (S)   98 O   52 CA(0.9)                0.0
                    (S)   99 O   52 CA(0.9)                0.0
56    175.9356  (B2G)
                    (B)   39 CA  21 CA(0.0)  29 CA(1.0)    0.0
                    (B)   40 CA  22 CA(0.0)  30 CA(1.0)    0.0
                    (B)   23 CA  37 CA(0.0)  65 O (1.0)    0.0
                    (B)   38 CA  24 CA(0.0)  32 CA(1.0)    0.0
                    (B)   35 CA  25 CA(0.0)  63 O (1.0)    0.0
                    (B)   36 CA  26 CA(0.0)  30 CA(1.0)    0.0
                    (B)   33 CA  27 CA(0.0)  31 CA(1.0)    0.0
                    (B)   34 CA  28 CA(0.0)  32 CA(1.0)    0.0
57    175.9561  (B1G)
                    (S)   93 O   49 CA(1.0)                0.0
                    (S)   96 O   49 CA(1.0)                0.0
                    (S)   94 O   50 CA(1.0)                0.0
                    (S)   95 O   50 CA(1.0)                0.0
                    (S)   97 O   51 CA(1.0)                0.0
                    (S)  100 O   51 CA(1.0)                0.0
                    (S)   98 O   52 CA(1.0)                0.0
                    (S)   99 O   52 CA(1.0)                0.0
58    177.3746  (B3G)
                    (B)   33 CA  21 CA(0.2)  53 O (0.8)    0.0
                    (B)   21 CA  33 CA(0.5)  41 CA(0.5)    0.0
                    (B)   21 CA  39 CA(0.0)  91 O (1.0)    0.0
                    (B)   85 O   21 CA(0.1)  33 CA(0.9)    0.0
                    (B)   22 CA  34 CA(0.5)  42 CA(0.5)    0.0
                    (B)   34 CA  22 CA(0.2)  54 O (0.8)    0.0
                    (B)   22 CA  40 CA(0.0)  92 O (1.0)    0.0
                    (B)   86 O   22 CA(0.1)  34 CA(0.9)    0.0
                    (B)   23 CA  35 CA(0.5)  43 CA(0.5)    0.0
                    (B)   35 CA  23 CA(0.2)  55 O (0.8)    0.0
                    (B)   23 CA  37 CA(0.0)  89 O (1.0)    0.0
                    (B)   87 O   23 CA(0.1)  35 CA(0.9)    0.0
                    (B)   36 CA  24 CA(0.2)  56 O (0.8)    0.0
                    (B)   24 CA  36 CA(0.5)  44 CA(0.5)    0.0
                    (B)   24 CA  38 CA(0.0)  90 O (1.0)    0.0
                    (B)   88 O   24 CA(0.1)  36 CA(0.9)    0.0
                    (B)   25 CA  35 CA(0.0)  87 O (1.0)    0.0
                    (B)   37 CA  25 CA(0.2)  57 O (0.8)    0.0
                    (B)   25 CA  37 CA(0.5)  45 CA(0.5)    0.0
                    (B)   89 O   25 CA(0.1)  37 CA(0.9)    0.0
                    (B)   26 CA  36 CA(0.0)  88 O (1.0)    0.0
                    (B)   26 CA  38 CA(0.5)  46 CA(0.5)    0.0
                    (B)   38 CA  26 CA(0.2)  58 O (0.8)    0.0
                    (B)   90 O   26 CA(0.1)  38 CA(0.9)    0.0
                    (B)   27 CA  33 CA(0.0)  85 O (1.0)    0.0
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                    (B)   27 CA  39 CA(0.5)  47 CA(0.5)    0.0
                    (B)   39 CA  27 CA(0.2)  59 O (0.8)    0.0
                    (B)   91 O   27 CA(0.1)  39 CA(0.9)    0.0
                    (B)   28 CA  34 CA(0.0)  86 O (1.0)    0.0
                    (B)   40 CA  28 CA(0.2)  60 O (0.8)    0.0
                    (B)   28 CA  40 CA(0.5)  48 CA(0.5)    0.0
                    (B)   92 O   28 CA(0.1)  40 CA(0.9)    0.0
59    177.8916  (B2U)
                    (B)   41 CA  52 CA(0.1) 106 O (0.9)    0.0
                    (B)   42 CA  51 CA(0.1) 105 O (0.9)    0.0
                    (B)   43 CA  51 CA(0.1) 108 O (0.9)    0.0
                    (B)   44 CA  52 CA(0.1) 107 O (0.9)    0.0
                    (B)   45 CA  50 CA(0.1) 102 O (0.9)    0.0
                    (B)   46 CA  49 CA(0.1) 101 O (0.9)    0.0
                    (B)   47 CA  49 CA(0.1) 104 O (0.9)    0.0
                    (B)   48 CA  50 CA(0.1) 103 O (0.9)    0.0
                    (S)   93 O   49 CA(0.9)                0.0
                    (S)   96 O   49 CA(0.9)                0.0
                    (B)  122 O   49 CA(0.0)  47 CA(1.0)    0.0
                    (B)  123 O   49 CA(0.0)  46 CA(1.0)    0.0
                    (S)   94 O   50 CA(0.9)                0.0
                    (S)   95 O   50 CA(0.9)                0.0
                    (B)  121 O   50 CA(0.0)  48 CA(1.0)    0.0
                    (B)  124 O   50 CA(0.0)  45 CA(1.0)    0.0
                    (S)   97 O   51 CA(0.9)                0.0
                    (S)  100 O   51 CA(0.9)                0.0
                    (B)  118 O   51 CA(0.0)  43 CA(1.0)    0.0
                    (B)  119 O   51 CA(0.0)  42 CA(1.0)    0.0
                    (S)   98 O   52 CA(0.9)                0.0
                    (S)   99 O   52 CA(0.9)                0.0
                    (B)  117 O   52 CA(0.0)  44 CA(1.0)    0.0
                    (B)  120 O   52 CA(0.0)  41 CA(1.0)    0.0
60    179.1884  (AU )
                    (B)   41 CA  33 CA(0.2)  27 CA(0.8)    0.0
                    (B)   41 CA  33 CA(0.1)  77 O (0.9)    0.0
                    (B)   42 CA  34 CA(0.2)  28 CA(0.8)    0.0
                    (B)   42 CA  34 CA(0.1)  78 O (0.9)    0.0
                    (B)   43 CA  35 CA(0.2)  25 CA(0.8)    0.0
                    (B)   43 CA  35 CA(0.1)  79 O (0.9)    0.0
                    (B)   44 CA  36 CA(0.2)  26 CA(0.8)    0.0
                    (B)   44 CA  36 CA(0.1)  80 O (0.9)    0.0
                    (B)   45 CA  37 CA(0.2)  23 CA(0.8)    0.0
                    (B)   45 CA  37 CA(0.1)  81 O (0.9)    0.0
                    (B)   46 CA  38 CA(0.2)  24 CA(0.8)    0.0
                    (B)   46 CA  38 CA(0.1)  82 O (0.9)    0.0
                    (B)   47 CA  39 CA(0.2)  21 CA(0.8)    0.0
                    (B)   47 CA  39 CA(0.1)  83 O (0.9)    0.0
                    (B)   48 CA  40 CA(0.2)  22 CA(0.8)    0.0
                    (B)   48 CA  40 CA(0.1)  84 O (0.9)    0.0
61    180.0111  (B2G)
                    (B)   33 CA   9 SI(0.0)  85 O (1.0)    0.0
                    (B)   34 CA  10 SI(0.0)  86 O (1.0)    0.0
                    (B)   35 CA  11 SI(0.0)  87 O (1.0)    0.0
                    (B)   36 CA  12 SI(0.0)  88 O (1.0)    0.0
                    (B)   37 CA  13 SI(0.0)  89 O (1.0)    0.0
                    (B)   38 CA  14 SI(0.0)  90 O (1.0)    0.0
                    (B)   39 CA  15 SI(0.0)  91 O (1.0)    0.0
                    (B)   40 CA  16 SI(0.0)  92 O (1.0)    0.0
                    (B)   85 O   33 CA(0.2)   1 SI(0.8)    0.0
                    (B)   86 O   34 CA(0.2)   2 SI(0.8)    0.0
                    (B)   87 O   35 CA(0.2)   3 SI(0.8)    0.0
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                    (B)   88 O   36 CA(0.2)   4 SI(0.8)    0.0
                    (B)   89 O   37 CA(0.2)   5 SI(0.8)    0.0
                    (B)   90 O   38 CA(0.2)   6 SI(0.8)    0.0
                    (B)   91 O   39 CA(0.2)   7 SI(0.8)    0.0
                    (B)   92 O   40 CA(0.2)   8 SI(0.8)    0.0
62    180.3893  (B3G)
                    (B)   41 CA  33 CA(0.0)  47 CA(1.0)    0.0
                    (B)   41 CA  33 CA(0.2)  49 CA(0.8)    0.0
                    (B)   93 O   33 CA(0.0)  29 CA(0.9)    0.0
                    (B)   42 CA  34 CA(0.0)  48 CA(1.0)    0.0
                    (B)   42 CA  34 CA(0.2)  50 CA(0.8)    0.0
                    (B)   94 O   34 CA(0.0)  30 CA(0.9)    0.0
                    (B)   43 CA  35 CA(0.0)  45 CA(1.0)    0.0
                    (B)   43 CA  35 CA(0.2)  50 CA(0.8)    0.0
                    (B)   35 CA  95 O (0.0)  50 CA(0.9)    0.0
                    (B)   44 CA  36 CA(0.0)  46 CA(1.0)    0.0
                    (B)   44 CA  36 CA(0.2)  49 CA(0.8)    0.0
                    (B)   96 O   36 CA(0.0)  32 CA(0.9)    0.0
                    (B)   45 CA  37 CA(0.0)  43 CA(1.0)    0.0
                    (B)   45 CA  37 CA(0.2)  51 CA(0.8)    0.0
                    (B)   97 O   37 CA(0.0)  51 CA(0.9)    0.0
                    (B)   46 CA  38 CA(0.0)  44 CA(1.0)    0.0
                    (B)   46 CA  38 CA(0.2)  52 CA(0.8)    0.0
                    (B)   98 O   38 CA(0.0)  30 CA(0.9)    0.0
                    (B)   47 CA  39 CA(0.0)  41 CA(1.0)    0.0
                    (B)   47 CA  39 CA(0.2)  52 CA(0.8)    0.0
                    (B)   99 O   39 CA(0.0)  31 CA(0.9)    0.0
                    (B)   48 CA  40 CA(0.0)  42 CA(1.0)    0.0
                    (B)   48 CA  40 CA(0.2)  51 CA(0.8)    0.0
                    (B)  100 O   40 CA(0.0)  32 CA(0.9)    0.0
63    180.5472  (B3U)
                    (B)   21 CA  31 CA(0.0)  75 O (1.0)    0.0
                    (B)   32 CA  22 CA(0.0)  76 O (1.0)    0.0
                    (B)   24 CA  30 CA(0.0)  70 O (1.0)    0.0
                    (B)   26 CA  32 CA(0.0)  72 O (1.0)    0.0
                    (B)   29 CA  27 CA(0.0)  69 O (1.0)    0.0
                    (B)   28 CA  30 CA(0.0)  74 O (1.0)    0.0
64    181.0214  (B3U)
                    (B)    1 SI  29 CA(0.0)  53 O (1.0)    0.0
                    (B)    2 SI  30 CA(0.0)  58 O (1.0)    0.0
                    (B)    4 SI  32 CA(0.0)  56 O (1.0)    0.0
                    (B)    6 SI  30 CA(0.0)  58 O (1.0)    0.0
                    (B)   31 CA   7 SI(0.0)  59 O (1.0)    0.0
                    (B)    8 SI  32 CA(0.0)  56 O (1.0)    0.0
                    (O)  117 O   17 SI(0.0) 101 O (0.8)    0.0
                    (O)  120 O   17 SI(0.0) 104 O (0.8)    0.0
                    (O)  118 O   18 SI(0.0) 102 O (0.8)    0.0
                    (O)  119 O   18 SI(0.0) 103 O (0.8)    0.0
                    (O)  121 O   19 SI(0.0) 105 O (0.8)    0.0
                    (O)  124 O   19 SI(0.0) 108 O (0.8)    0.0
                    (O)  122 O   20 SI(0.0) 106 O (0.8)    0.0
                    (O)  123 O   20 SI(0.0) 107 O (0.8)    0.0
                    (S)   29 CA  21 CA(0.9)                0.0
                    (B)   29 CA  21 CA(0.0)  67 O (0.9)    0.0
                    (S)   30 CA  22 CA(0.9)                0.0
                    (B)   30 CA  22 CA(0.0)  68 O (0.9)    0.0
                    (S)   32 CA  24 CA(0.9)                0.0
                    (B)   32 CA  24 CA(0.0)  66 O (0.9)    0.0
                    (B)   30 CA  26 CA(0.0)  64 O (0.9)    0.0
                    (S)   30 CA  26 CA(0.9)                0.0
                    (S)   31 CA  27 CA(0.9)                0.0
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                    (B)   31 CA  27 CA(0.0)  61 O (0.9)    0.0
                    (S)   32 CA  28 CA(0.9)                0.0
                    (B)   32 CA  28 CA(0.0)  62 O (0.9)    0.0
                    (S)   29 CA  33 CA(0.6)  49 CA(0.4)    0.0
                    (O)   77 O   29 CA(0.0)  21 CA(0.7)    0.0
                    (S)   30 CA  34 CA(0.6)  50 CA(0.4)    0.0
                    (S)   30 CA  38 CA(0.6)  52 CA(0.4)    0.0
                    (O)   78 O   30 CA(0.0)  22 CA(0.7)    0.0
                    (O)   82 O   30 CA(0.0)  22 CA(0.7)    0.0
                    (S)   31 CA  39 CA(0.6)  52 CA(0.4)    0.0
                    (O)   83 O   31 CA(0.0)  27 CA(0.7)    0.0
                    (S)   32 CA  36 CA(0.6)  49 CA(0.4)    0.0
                    (S)   32 CA  40 CA(0.6)  51 CA(0.4)    0.0
                    (O)   80 O   32 CA(0.0)  24 CA(0.7)    0.0
                    (O)   84 O   32 CA(0.0)  24 CA(0.7)    0.0
                    (B)  123 O   41 CA(0.0)  61 O (0.9)    0.0
                    (B)  124 O   42 CA(0.0)  62 O (0.9)    0.0
                    (B)  121 O   43 CA(0.0)  63 O (0.9)    0.0
                    (B)  122 O   44 CA(0.0)  64 O (0.9)    0.0
                    (B)  119 O   45 CA(0.0)  65 O (0.9)    0.0
                    (B)  120 O   46 CA(0.0)  66 O (0.9)    0.0
                    (B)  117 O   47 CA(0.0)  67 O (0.9)    0.0
                    (B)  118 O   48 CA(0.0)  68 O (0.9)    0.0
                    (B)  122 O   49 CA(0.0)  96 O (1.0)    0.0
                    (B)  123 O   49 CA(0.0)  93 O (1.0)    0.0
                    (B)  121 O   50 CA(0.0)  95 O (1.0)    0.0
                    (B)  124 O   50 CA(0.0)  94 O (1.0)    0.0
                    (B)  118 O   51 CA(0.0) 100 O (1.0)    0.0
                    (B)  119 O   51 CA(0.0)  97 O (1.0)    0.0
                    (B)  117 O   52 CA(0.0)  99 O (1.0)    0.0
                    (B)  120 O   52 CA(0.0)  98 O (1.0)    0.0
65    182.7847  (B1U)
                    (S)   93 O   49 CA(0.9)                0.0
                    (S)   96 O   49 CA(0.9)                0.0
                    (S)   94 O   50 CA(0.9)                0.0
                    (S)   95 O   50 CA(0.9)                0.0
                    (S)   97 O   51 CA(0.9)                0.0
                    (S)  100 O   51 CA(0.9)                0.0
                    (S)   98 O   52 CA(0.9)                0.0
                    (S)   99 O   52 CA(0.9)                0.0
66    182.9626  (AU )
                    (B)   31 CA  21 CA(0.4)  67 O (0.6)    0.0
                    (B)   32 CA  22 CA(0.4)  68 O (0.6)    0.0
                    (B)   30 CA  24 CA(0.4)  66 O (0.6)    0.0
                    (B)   32 CA  26 CA(0.4)  64 O (0.6)    0.0
                    (B)   29 CA  27 CA(0.4)  61 O (0.6)    0.0
                    (B)   30 CA  28 CA(0.4)  62 O (0.6)    0.0
                    (B)   33 CA  29 CA(0.4)  21 CA(0.6)    0.0
                    (B)   34 CA  30 CA(0.4)  22 CA(0.6)    0.0
                    (B)   38 CA  30 CA(0.4)  22 CA(0.6)    0.0
                    (B)   39 CA  31 CA(0.4)  27 CA(0.6)    0.0
                    (B)   32 CA  36 CA(0.4)  24 CA(0.6)    0.0
                    (B)   40 CA  32 CA(0.4)  28 CA(0.6)    0.0
67    185.0863  (B1G)
                    (B)   93 O   33 CA(0.0)  49 CA(1.0)    0.0
                    (B)   94 O   34 CA(0.0)  50 CA(1.0)    0.0
                    (B)   35 CA  95 O (0.0)  50 CA(1.0)    0.0
                    (B)   96 O   36 CA(0.0)  49 CA(1.0)    0.0
                    (B)   97 O   37 CA(0.0)  51 CA(1.0)    0.0
                    (B)   98 O   38 CA(0.0)  52 CA(1.0)    0.0
                    (B)   99 O   39 CA(0.0)  52 CA(1.0)    0.0
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                    (B)  100 O   40 CA(0.0)  51 CA(1.0)    0.0
                    (B)   41 CA 107 O (0.0)  20 SI(1.0)    0.0
                    (O)  123 O   41 CA(0.0)  93 O (0.8)    0.0
                    (B)   42 CA 108 O (0.0)  19 SI(1.0)    0.0
                    (O)  124 O   42 CA(0.0)  94 O (0.8)    0.0
                    (B)   43 CA 105 O (0.0)  19 SI(1.0)    0.0
                    (O)  121 O   43 CA(0.0)  95 O (0.8)    0.0
                    (B)   44 CA 106 O (0.0)  20 SI(1.0)    0.0
                    (O)  122 O   44 CA(0.0)  96 O (0.8)    0.0
                    (B)   45 CA 103 O (0.0)  18 SI(1.0)    0.0
                    (O)  119 O   45 CA(0.0)  97 O (0.8)    0.0
                    (B)   46 CA 104 O (0.0)  17 SI(1.0)    0.0
                    (O)  120 O   46 CA(0.0)  98 O (0.8)    0.0
                    (B)   47 CA 101 O (0.0)  17 SI(1.0)    0.0
                    (O)  117 O   47 CA(0.0)  99 O (0.8)    0.0
                    (B)   48 CA 102 O (0.0)  18 SI(1.0)    0.0
                    (O)  118 O   48 CA(0.0) 100 O (0.8)    0.0
68    185.1754  (B1U)
                    (B)   21 CA  31 CA(0.0)  27 CA(1.0)    0.0
                    (B)   85 O   21 CA(0.0)  29 CA(1.0)    0.0
                    (B)   22 CA  32 CA(0.0)  28 CA(1.0)    0.0
                    (B)   86 O   22 CA(0.0)  30 CA(1.0)    0.0
                    (B)   87 O   23 CA(0.0)   5 SI(1.0)    0.0
                    (B)   24 CA  30 CA(0.0)  22 CA(1.0)    0.0
                    (B)   88 O   24 CA(0.0)  32 CA(1.0)    0.0
                    (B)   89 O   25 CA(0.0)   3 SI(1.0)    0.0
                    (B)   26 CA  32 CA(0.0)  28 CA(1.0)    0.0
                    (B)   90 O   26 CA(0.0)  30 CA(1.0)    0.0
                    (B)   27 CA  29 CA(0.0)  21 CA(1.0)    0.0
                    (B)   91 O   27 CA(0.0)  31 CA(1.0)    0.0
                    (B)   28 CA  30 CA(0.0)  22 CA(1.0)    0.0
                    (B)   92 O   28 CA(0.0)  32 CA(1.0)    0.0
69    190.7373  (B1U)
                    (B)   49 CA  33 CA(0.3)  93 O (0.6)    0.0
                    (B)   34 CA  50 CA(0.3)  94 O (0.6)    0.0
                    (B)   35 CA  50 CA(0.3)  95 O (0.6)    0.0
                    (B)   49 CA  36 CA(0.3)  96 O (0.6)    0.0
                    (B)   51 CA  37 CA(0.3)  97 O (0.6)    0.0
                    (B)   52 CA  38 CA(0.3)  98 O (0.6)    0.0
                    (B)   52 CA  39 CA(0.3)  99 O (0.6)    0.0
                    (B)   40 CA  51 CA(0.3) 100 O (0.6)    0.0
70    191.2609  (AG )
                    (B)   39 CA  21 CA(0.0)  33 CA(1.0)    0.0
                    (B)   40 CA  22 CA(0.0)  74 O (1.0)    0.0
                    (B)   37 CA  23 CA(0.0)  35 CA(1.0)    0.0
                    (B)   38 CA  24 CA(0.0)  76 O (1.0)    0.0
                    (B)   35 CA  25 CA(0.0)  37 CA(1.0)    0.0
                    (B)   36 CA  26 CA(0.0)  70 O (1.0)    0.0
                    (B)   33 CA  27 CA(0.0)  39 CA(1.0)    0.0
                    (B)   34 CA  28 CA(0.0)  72 O (1.0)    0.0
71    191.7857  (B2G)
                    (S)   93 O   49 CA(0.8) 122 O (0.2)    0.0
                    (S)   96 O   49 CA(0.8) 123 O (0.2)    0.0
                    (S)   94 O   50 CA(0.8) 121 O (0.2)    0.0
                    (S)   95 O   50 CA(0.8) 124 O (0.2)    0.0
                    (S)   97 O   51 CA(0.8) 118 O (0.2)    0.0
                    (S)  100 O   51 CA(0.8) 119 O (0.2)    0.0
                    (S)   98 O   52 CA(0.8) 117 O (0.2)    0.0
                    (S)   99 O   52 CA(0.8) 120 O (0.2)    0.0
72    192.4136  (B3U)
                    (B)   93 O   49 CA(0.5)  20 SI(0.5)    0.0
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                    (B)   96 O   49 CA(0.5)  20 SI(0.5)    0.0
                    (B)   94 O   50 CA(0.5)  19 SI(0.5)    0.0
                    (B)   95 O   50 CA(0.5)  94 O (0.5)    0.0
                    (B)   97 O   51 CA(0.5) 100 O (0.5)    0.0
                    (B)  100 O   51 CA(0.5)  18 SI(0.5)    0.0
                    (B)   98 O   52 CA(0.5)  17 SI(0.5)    0.0
                    (B)   99 O   52 CA(0.5)  17 SI(0.5)    0.0
73    192.9277  (B2U)
                    (B)   33 CA  41 CA(0.0)  93 O (0.9)    0.0
                    (B)   41 CA  33 CA(0.4) 109 O (0.6)    0.0
                    (B)   34 CA  42 CA(0.0)  94 O (0.9)    0.0
                    (B)   42 CA  34 CA(0.4) 110 O (0.6)    0.0
                    (B)   35 CA  43 CA(0.0)  95 O (0.9)    0.0
                    (B)   43 CA  35 CA(0.4) 111 O (0.6)    0.0
                    (B)   36 CA  44 CA(0.0)  96 O (0.9)    0.0
                    (B)   44 CA  36 CA(0.4) 112 O (0.6)    0.0
                    (B)   37 CA  45 CA(0.0)  97 O (0.9)    0.0
                    (B)   45 CA  37 CA(0.4) 113 O (0.6)    0.0
                    (B)   38 CA  46 CA(0.0)  98 O (0.9)    0.0
                    (B)   46 CA  38 CA(0.4) 114 O (0.6)    0.0
                    (B)   39 CA  47 CA(0.0)  99 O (0.9)    0.0
                    (B)   47 CA  39 CA(0.4) 115 O (0.6)    0.0
                    (B)   40 CA  48 CA(0.0) 100 O (0.9)    0.0
                    (B)   48 CA  40 CA(0.4) 116 O (0.6)    0.0
74    194.5349  (AU )
                    (B)   29 CA  21 CA(0.0)  53 O (1.0)    0.0
                    (S)   21 CA  29 CA(0.6)  33 CA(0.4)    0.0
                    (B)   30 CA  22 CA(0.0)  54 O (1.0)    0.0
                    (S)   30 CA  22 CA(0.6)  34 CA(0.4)    0.0
                    (B)   32 CA  24 CA(0.0)  56 O (1.0)    0.0
                    (S)   32 CA  24 CA(0.6)  36 CA(0.4)    0.0
                    (S)   30 CA  26 CA(0.6)  38 CA(0.4)    0.0
                    (B)   30 CA  26 CA(0.0)  58 O (1.0)    0.0
                    (B)   31 CA  27 CA(0.0)  59 O (1.0)    0.0
                    (S)   31 CA  27 CA(0.6)  39 CA(0.4)    0.0
                    (B)   32 CA  28 CA(0.0)  60 O (1.0)    0.0
                    (S)   28 CA  32 CA(0.6)  36 CA(0.4)    0.0
75    194.7429  (B2U)
                    (B)   29 CA  21 CA(0.1)  33 CA(0.9)    0.0
                    (B)   21 CA  29 CA(0.4)  77 O (0.6)    0.0
                    (B)   30 CA  22 CA(0.1)  34 CA(0.9)    0.0
                    (B)   22 CA  30 CA(0.4)  82 O (0.6)    0.0
                    (B)   32 CA  24 CA(0.1)  36 CA(0.9)    0.0
                    (B)   24 CA  32 CA(0.4)  80 O (0.6)    0.0
                    (B)   26 CA  30 CA(0.4)  78 O (0.6)    0.0
                    (B)   30 CA  26 CA(0.1)  38 CA(0.9)    0.0
                    (B)   31 CA  27 CA(0.1)  39 CA(0.9)    0.0
                    (B)   27 CA  31 CA(0.4)  83 O (0.6)    0.0
                    (B)   32 CA  28 CA(0.1)  40 CA(0.9)    0.0
                    (B)   28 CA  32 CA(0.4)  80 O (0.6)    0.0
76    195.6566  (AU )
                    (S)   21 CA  29 CA(0.5)  77 O (0.5)    0.0
                    (O)   21 CA  29 CA(0.0)  77 O (0.8)    0.0
                    (S)   22 CA  30 CA(0.5)  78 O (0.5)    0.0
                    (B)   30 CA  22 CA(0.0)  74 O (0.9)    0.0
                    (S)   24 CA  32 CA(0.5)  84 O (0.5)    0.0
                    (B)   32 CA  24 CA(0.0)  76 O (0.9)    0.0
                    (B)   30 CA  26 CA(0.0)  70 O (0.9)    0.0
                    (S)   26 CA  30 CA(0.5)  78 O (0.5)    0.0
                    (S)   27 CA  31 CA(0.5)  83 O (0.5)    0.0
                    (O)   27 CA  31 CA(0.0)  83 O (0.8)    0.0
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                    (S)   28 CA  32 CA(0.5)  80 O (0.5)    0.0
                    (B)   32 CA  28 CA(0.0)  72 O (0.9)    0.0
77    199.7650  (B1G)
                    (S)   33 CA  21 CA(0.7)  33 CA(0.3)    0.0
                    (B)   33 CA  21 CA(0.5)  75 O (0.5)    0.0
                    (B)   21 CA  85 O (0.3)   9 SI(0.7)    0.0
                    (B)   34 CA  22 CA(0.5)  76 O (0.5)    0.0
                    (S)   34 CA  22 CA(0.7)  34 CA(0.3)    0.0
                    (B)   22 CA  86 O (0.3)  10 SI(0.7)    0.0
                    (B)   35 CA  23 CA(0.5)  73 O (0.5)    0.0
                    (S)   35 CA  23 CA(0.7)  35 CA(0.3)    0.0
                    (B)   23 CA  87 O (0.3)  11 SI(0.7)    0.0
                    (S)   36 CA  24 CA(0.7)  36 CA(0.3)    0.0
                    (B)   36 CA  24 CA(0.5)  74 O (0.5)    0.0
                    (B)   24 CA  88 O (0.3)  12 SI(0.7)    0.0
                    (S)   37 CA  25 CA(0.7)  37 CA(0.3)    0.0
                    (B)   37 CA  25 CA(0.5)  71 O (0.5)    0.0
                    (B)   25 CA  89 O (0.3)  13 SI(0.7)    0.0
                    (B)   38 CA  26 CA(0.5)  72 O (0.5)    0.0
                    (S)   38 CA  26 CA(0.7)  38 CA(0.3)    0.0
                    (B)   26 CA  90 O (0.3)  14 SI(0.7)    0.0
                    (B)   39 CA  27 CA(0.5)  69 O (0.5)    0.0
                    (S)   39 CA  27 CA(0.7)  39 CA(0.3)    0.0
                    (B)   27 CA  91 O (0.3)  15 SI(0.7)    0.0
                    (S)   40 CA  28 CA(0.7)  40 CA(0.3)    0.0
                    (B)   40 CA  28 CA(0.5)  70 O (0.5)    0.0
                    (B)   28 CA  92 O (0.3)  16 SI(0.7)    0.0
                    (S)  101 O   49 CA(0.6) 112 O (0.4)    0.0
                    (S)  104 O   49 CA(0.6) 109 O (0.4)    0.0
                    (S)  102 O   50 CA(0.6) 111 O (0.4)    0.0
                    (S)  103 O   50 CA(0.6) 110 O (0.4)    0.0
                    (S)  105 O   51 CA(0.6) 116 O (0.4)    0.0
                    (S)  108 O   51 CA(0.6) 113 O (0.4)    0.0
                    (S)  106 O   52 CA(0.6) 115 O (0.4)    0.0
                    (S)  107 O   52 CA(0.6) 114 O (0.4)    0.0
78    201.3666  (B2G)
                    (S)   75 O   21 CA(0.7)  67 O (0.2)    0.0
                    (S)   76 O   22 CA(0.7)  74 O (0.2)    0.0
                    (S)   73 O   23 CA(0.7)  65 O (0.2)    0.0
                    (S)   74 O   24 CA(0.7)  76 O (0.2)    0.0
                    (S)   71 O   25 CA(0.7)  63 O (0.2)    0.0
                    (S)   72 O   26 CA(0.7)  70 O (0.2)    0.0
                    (S)   69 O   27 CA(0.7)  61 O (0.2)    0.0
                    (S)   70 O   28 CA(0.7)  72 O (0.2)    0.0
                    (S)   93 O   49 CA(0.9)                0.0
                    (S)   96 O   49 CA(0.9)                0.0
                    (S)   94 O   50 CA(0.9)                0.0
                    (S)   95 O   50 CA(0.9)                0.0
                    (S)   97 O   51 CA(0.9)                0.0
                    (S)  100 O   51 CA(0.9)                0.0
                    (S)   98 O   52 CA(0.9)                0.0
                    (S)   99 O   52 CA(0.9)                0.0
79    201.9149  (B1U)
                    (B)   29 CA  21 CA(0.1)  67 O (0.9)    0.0
                    (B)   21 CA  29 CA(0.0)  27 CA(1.0)    0.0
                    (O)   83 O   21 CA(0.0)  33 CA(0.8)    0.0
                    (B)   30 CA  22 CA(0.1)  68 O (0.9)    0.0
                    (B)   22 CA  30 CA(0.0)  28 CA(1.0)    0.0
                    (O)   84 O   22 CA(0.0)  34 CA(0.8)    0.0
                    (O)   81 O   23 CA(0.0)  35 CA(0.8)    0.0
                    (B)   32 CA  24 CA(0.1)  66 O (0.9)    0.0
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                    (B)   24 CA  32 CA(0.0)  26 CA(1.0)    0.0
                    (O)   82 O   24 CA(0.0)  36 CA(0.8)    0.0
                    (O)   79 O   25 CA(0.0)  37 CA(0.8)    0.0
                    (B)   26 CA  30 CA(0.0)  24 CA(1.0)    0.0
                    (B)   30 CA  26 CA(0.1)  64 O (0.9)    0.0
                    (O)   80 O   26 CA(0.0)  38 CA(0.8)    0.0
                    (B)   31 CA  27 CA(0.1)  61 O (0.9)    0.0
                    (B)   27 CA  31 CA(0.0)  21 CA(1.0)    0.0
                    (O)   77 O   27 CA(0.0)  39 CA(0.8)    0.0
                    (B)   32 CA  28 CA(0.1)  62 O (0.9)    0.0
                    (B)   28 CA  32 CA(0.0)  22 CA(1.0)    0.0
                    (O)   78 O   28 CA(0.0)  40 CA(0.8)    0.0
                    (B)   29 CA  33 CA(0.0)  49 CA(1.0)    0.0
                    (B)   30 CA  34 CA(0.0)  50 CA(1.0)    0.0
                    (B)   30 CA  38 CA(0.0)  52 CA(1.0)    0.0
                    (B)   31 CA  39 CA(0.0)  52 CA(1.0)    0.0
                    (B)   32 CA  36 CA(0.0)  49 CA(1.0)    0.0
                    (B)   32 CA  40 CA(0.0)  51 CA(1.0)    0.0
                    (B)  115 O   41 CA(0.0)  61 O (0.9)    0.0
                    (B)  116 O   42 CA(0.0)  62 O (0.9)    0.0
                    (B)  113 O   43 CA(0.0)  63 O (0.9)    0.0
                    (B)  114 O   44 CA(0.0)  64 O (0.9)    0.0
                    (B)  111 O   45 CA(0.0)  65 O (0.9)    0.0
                    (B)  112 O   46 CA(0.0)  66 O (0.9)    0.0
                    (B)  109 O   47 CA(0.0)  67 O (0.9)    0.0
                    (B)  110 O   48 CA(0.0)  68 O (0.9)    0.0
80    201.9273  (B1G)
                    (B)   33 CA  21 CA(0.1)  53 O (0.9)    0.0
                    (S)   21 CA  33 CA(0.6)  77 O (0.4)    0.0
                    (S)   22 CA  34 CA(0.6)  78 O (0.4)    0.0
                    (B)   34 CA  22 CA(0.1)  54 O (0.9)    0.0
                    (S)   23 CA  35 CA(0.6)  79 O (0.4)    0.0
                    (B)   35 CA  23 CA(0.1)  55 O (0.9)    0.0
                    (B)   36 CA  24 CA(0.1)  56 O (0.9)    0.0
                    (S)   24 CA  36 CA(0.6)  80 O (0.4)    0.0
                    (B)   37 CA  25 CA(0.1)  57 O (0.9)    0.0
                    (S)   25 CA  37 CA(0.6)  81 O (0.4)    0.0
                    (S)   26 CA  38 CA(0.6)  82 O (0.4)    0.0
                    (B)   38 CA  26 CA(0.1)  58 O (0.9)    0.0
                    (S)   27 CA  39 CA(0.6)  83 O (0.4)    0.0
                    (B)   39 CA  27 CA(0.1)  59 O (0.9)    0.0
                    (B)   40 CA  28 CA(0.1)  60 O (0.9)    0.0
                    (S)   28 CA  40 CA(0.6)  84 O (0.4)    0.0
                    (B)   33 CA  41 CA(0.1) 115 O (0.9)    0.0
                    (S)   41 CA  33 CA(0.7)  77 O (0.3)    0.0
                    (B)   34 CA  42 CA(0.1) 116 O (0.9)    0.0
                    (S)   42 CA  34 CA(0.7)  78 O (0.3)    0.0
                    (B)   35 CA  43 CA(0.1) 113 O (0.9)    0.0
                    (S)   43 CA  35 CA(0.7)  79 O (0.3)    0.0
                    (B)   36 CA  44 CA(0.1) 114 O (0.9)    0.0
                    (S)   44 CA  36 CA(0.7)  80 O (0.3)    0.0
                    (B)   37 CA  45 CA(0.1) 111 O (0.9)    0.0
                    (S)   45 CA  37 CA(0.7)  81 O (0.3)    0.0
                    (B)   38 CA  46 CA(0.1) 112 O (0.9)    0.0
                    (S)   46 CA  38 CA(0.7)  82 O (0.3)    0.0
                    (B)   39 CA  47 CA(0.1) 109 O (0.9)    0.0
                    (S)   47 CA  39 CA(0.7)  83 O (0.3)    0.0
                    (B)   40 CA  48 CA(0.1) 110 O (0.9)    0.0
                    (S)   48 CA  40 CA(0.7)  84 O (0.3)    0.0
81    202.9680  (AG )
                    (O)  123 O   41 CA(0.0)  93 O (0.8)    0.0
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                    (O)  124 O   42 CA(0.0)  94 O (0.8)    0.0
                    (O)  121 O   43 CA(0.0)  95 O (0.8)    0.0
                    (O)  122 O   44 CA(0.0)  96 O (0.8)    0.0
                    (O)  119 O   45 CA(0.0)  97 O (0.8)    0.0
                    (O)  120 O   46 CA(0.0)  98 O (0.8)    0.0
                    (O)  117 O   47 CA(0.0)  99 O (0.8)    0.0
                    (O)  118 O   48 CA(0.0) 100 O (0.8)    0.0
82    204.6951  (B3G)
                    (B)   21 CA  33 CA(0.2) 109 O (0.8)    0.0
                    (B)   21 CA  33 CA(0.1)  77 O (0.9)    0.0
                    (B)   22 CA  34 CA(0.1)  78 O (0.9)    0.0
                    (B)   22 CA  34 CA(0.2) 110 O (0.8)    0.0
                    (B)   23 CA  35 CA(0.1)  79 O (0.9)    0.0
                    (B)   23 CA  35 CA(0.2) 111 O (0.8)    0.0
                    (B)   24 CA  36 CA(0.2) 112 O (0.8)    0.0
                    (B)   24 CA  36 CA(0.1)  80 O (0.9)    0.0
                    (B)   25 CA  37 CA(0.2) 113 O (0.8)    0.0
                    (B)   25 CA  37 CA(0.1)  81 O (0.9)    0.0
                    (B)   26 CA  38 CA(0.1)  82 O (0.9)    0.0
                    (B)   26 CA  38 CA(0.2) 114 O (0.8)    0.0
                    (B)   27 CA  39 CA(0.1)  83 O (0.9)    0.0
                    (B)   27 CA  39 CA(0.2) 115 O (0.8)    0.0
                    (B)   28 CA  40 CA(0.2) 116 O (0.8)    0.0
                    (B)   28 CA  40 CA(0.1)  84 O (0.9)    0.0
                    (B)   33 CA  85 O (0.2)  47 CA(0.8)    0.0
                    (B)   86 O   34 CA(0.2)  48 CA(0.8)    0.0
                    (B)   35 CA  87 O (0.2)  45 CA(0.8)    0.0
                    (B)   36 CA  88 O (0.2)  46 CA(0.8)    0.0
                    (B)   37 CA  89 O (0.2)  43 CA(0.8)    0.0
                    (B)   38 CA  90 O (0.2)  44 CA(0.8)    0.0
                    (B)   39 CA  91 O (0.2)  41 CA(0.8)    0.0
                    (B)   40 CA  92 O (0.2)  42 CA(0.8)    0.0
83    205.0035  (B3U)
                    (B)   21 CA  85 O (0.0)   9 SI(0.9)    0.0
                    (B)   22 CA  86 O (0.0)  10 SI(0.9)    0.0
                    (B)   23 CA  87 O (0.0)  11 SI(0.9)    0.0
                    (B)   24 CA  88 O (0.0)  12 SI(0.9)    0.0
                    (B)   25 CA  89 O (0.0)  13 SI(0.9)    0.0
                    (B)   26 CA  90 O (0.0)  14 SI(0.9)    0.0
                    (B)   27 CA  91 O (0.0)  15 SI(0.9)    0.0
                    (B)   28 CA  92 O (0.0)  16 SI(0.9)    0.0
84    208.3287  (B2G)
                    (S)   33 CA  85 O (0.6)  47 CA(0.3)    0.0
                    (S)   86 O   34 CA(0.6)  48 CA(0.3)    0.0
                    (S)   35 CA  87 O (0.6)  45 CA(0.3)    0.0
                    (S)   36 CA  88 O (0.6)  46 CA(0.3)    0.0
                    (S)   89 O   37 CA(0.6)  43 CA(0.3)    0.0
                    (S)   38 CA  90 O (0.6)  44 CA(0.3)    0.0
                    (S)   39 CA  91 O (0.6)  41 CA(0.3)    0.0
                    (S)   40 CA  92 O (0.6)  42 CA(0.3)    0.0
85    209.6233  (B2U)
                    (B)   21 CA  29 CA(0.0)  53 O (1.0)    0.0
                    (S)   29 CA  21 CA(0.7)  75 O (0.3)    0.0
                    (B)   31 CA  21 CA(0.3)  33 CA(0.7)    0.0
                    (S)   33 CA  21 CA(0.7)  53 O (0.3)    0.0
                    (B)   33 CA  21 CA(0.1)  75 O (0.9)    0.0
                    (B)   39 CA  21 CA(0.0)   7 SI(1.0)    0.0
                    (B)   53 O   21 CA(0.1)  33 CA(0.9)    0.0
                    (S)   75 O   21 CA(1.0)                0.0
                    (B)   22 CA  30 CA(0.0)  58 O (1.0)    0.0
                    (S)   30 CA  22 CA(0.7)  76 O (0.3)    0.0
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                    (B)   32 CA  22 CA(0.3)  34 CA(0.7)    0.0
                    (B)   34 CA  22 CA(0.1)  76 O (0.9)    0.0
                    (S)   34 CA  22 CA(0.7)  54 O (0.3)    0.0
                    (B)   40 CA  22 CA(0.0)   8 SI(1.0)    0.0
                    (B)   54 O   22 CA(0.1)  34 CA(0.9)    0.0
                    (S)   76 O   22 CA(1.0)                0.0
                    (B)   35 CA  23 CA(0.1)  73 O (0.9)    0.0
                    (S)   35 CA  23 CA(0.7)  55 O (0.3)    0.0
                    (B)   23 CA  37 CA(0.0)   5 SI(1.0)    0.0
                    (B)   55 O   23 CA(0.1)  35 CA(0.9)    0.0
                    (S)   73 O   23 CA(1.0)                0.0
                    (B)   30 CA  24 CA(0.3)  36 CA(0.7)    0.0
                    (B)   24 CA  32 CA(0.0)  56 O (1.0)    0.0
                    (S)   32 CA  24 CA(0.7)  74 O (0.3)    0.0
                    (S)   36 CA  24 CA(0.7)  56 O (0.3)    0.0
                    (B)   36 CA  24 CA(0.1)  74 O (0.9)    0.0
                    (B)   38 CA  24 CA(0.0)   6 SI(1.0)    0.0
                    (B)   56 O   24 CA(0.1)  36 CA(0.9)    0.0
                    (S)   74 O   24 CA(1.0)                0.0
                    (B)   25 CA  35 CA(0.0)   3 SI(1.0)    0.0
                    (S)   37 CA  25 CA(0.7)  57 O (0.3)    0.0
                    (B)   37 CA  25 CA(0.1)  71 O (0.9)    0.0
                    (B)   57 O   25 CA(0.1)  37 CA(0.9)    0.0
                    (S)   71 O   25 CA(1.0)                0.0
                    (S)   30 CA  26 CA(0.7)  72 O (0.3)    0.0
                    (B)   26 CA  30 CA(0.0)  58 O (1.0)    0.0
                    (B)   32 CA  26 CA(0.3)  38 CA(0.7)    0.0
                    (B)   36 CA  26 CA(0.0)   4 SI(1.0)    0.0
                    (B)   38 CA  26 CA(0.1)  72 O (0.9)    0.0
                    (S)   38 CA  26 CA(0.7)  58 O (0.3)    0.0
                    (B)   58 O   26 CA(0.1)  38 CA(0.9)    0.0
                    (S)   72 O   26 CA(1.0)                0.0
                    (B)   29 CA  27 CA(0.3)  39 CA(0.7)    0.0
                    (B)   27 CA  31 CA(0.0)  59 O (1.0)    0.0
                    (S)   31 CA  27 CA(0.7)  69 O (0.3)    0.0
                    (B)   27 CA  33 CA(0.0)   1 SI(1.0)    0.0
                    (B)   39 CA  27 CA(0.1)  69 O (0.9)    0.0
                    (S)   39 CA  27 CA(0.7)  59 O (0.3)    0.0
                    (B)   59 O   27 CA(0.1)  39 CA(0.9)    0.0
                    (S)   69 O   27 CA(1.0)                0.0
                    (B)   30 CA  28 CA(0.3)  40 CA(0.7)    0.0
                    (B)   28 CA  32 CA(0.0)  56 O (1.0)    0.0
                    (S)   32 CA  28 CA(0.7)  70 O (0.3)    0.0
                    (B)   34 CA  28 CA(0.0)   2 SI(1.0)    0.0
                    (S)   40 CA  28 CA(0.7)  60 O (0.3)    0.0
                    (B)   40 CA  28 CA(0.1)  70 O (0.9)    0.0
                    (B)   60 O   28 CA(0.1)  40 CA(0.9)    0.0
                    (S)   70 O   28 CA(1.0)                0.0
86    210.3037  (AG )
                    (O)   67 O   21 CA(0.1)  29 CA(0.7)    0.0
                    (S)   75 O   21 CA(0.7)  33 CA(0.3)    0.0
                    (O)   68 O   22 CA(0.1)  30 CA(0.7)    0.0
                    (S)   76 O   22 CA(0.7)  34 CA(0.3)    0.0
                    (O)   65 O   23 CA(0.1)  87 O (0.6)    0.0
                    (S)   73 O   23 CA(0.7)  35 CA(0.3)    0.0
                    (O)   66 O   24 CA(0.1)  32 CA(0.7)    0.0
                    (S)   74 O   24 CA(0.7)  36 CA(0.3)    0.0
                    (O)   63 O   25 CA(0.1)  89 O (0.6)    0.0
                    (S)   71 O   25 CA(0.7)  37 CA(0.3)    0.0
                    (O)   64 O   26 CA(0.1)  30 CA(0.7)    0.0
                    (S)   72 O   26 CA(0.7)  38 CA(0.3)    0.0
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                    (O)   61 O   27 CA(0.1)  31 CA(0.7)    0.0
                    (S)   69 O   27 CA(0.7)  39 CA(0.3)    0.0
                    (O)   62 O   28 CA(0.1)  32 CA(0.7)    0.0
                    (S)   70 O   28 CA(0.7)  40 CA(0.3)    0.0
87    210.3667  (B1U)
                    (B)   29 CA   1 SI(0.0)  69 O (0.9)    0.0
                    (B)   30 CA   2 SI(0.0)  70 O (0.9)    0.0
                    (B)    4 SI  32 CA(0.0)  72 O (0.9)    0.0
                    (B)   30 CA   6 SI(0.0)  74 O (0.9)    0.0
                    (B)   31 CA   7 SI(0.0)  75 O (0.9)    0.0
                    (B)    8 SI  32 CA(0.0)  72 O (0.9)    0.0
                    (B)   31 CA  21 CA(0.0)  85 O (1.0)    0.0
                    (B)   32 CA  22 CA(0.0)  86 O (1.0)    0.0
                    (B)   30 CA  24 CA(0.0)  88 O (1.0)    0.0
                    (B)   32 CA  26 CA(0.0)  90 O (1.0)    0.0
                    (B)   29 CA  27 CA(0.0)  91 O (1.0)    0.0
                    (B)   30 CA  28 CA(0.0)  92 O (1.0)    0.0
                    (B)   53 O   29 CA(0.0)  21 CA(1.0)    0.0
                    (B)   77 O   29 CA(0.0)  21 CA(0.8)    0.0
                    (B)   54 O   30 CA(0.0)  22 CA(1.0)    0.0
                    (B)   58 O   30 CA(0.0)  22 CA(1.0)    0.0
                    (B)   78 O   30 CA(0.0)  22 CA(0.8)    0.0
                    (B)   82 O   30 CA(0.0)  22 CA(0.8)    0.0
                    (B)   59 O   31 CA(0.0)  27 CA(1.0)    0.0
                    (B)   83 O   31 CA(0.0)  27 CA(0.8)    0.0
                    (B)   56 O   32 CA(0.0)  24 CA(1.0)    0.0
                    (B)   60 O   32 CA(0.0)  24 CA(1.0)    0.0
                    (B)   80 O   32 CA(0.0)  24 CA(0.8)    0.0
                    (B)   84 O   32 CA(0.0)  24 CA(0.8)    0.0
88    211.8887  (AU )
                    (B)   21 CA  29 CA(0.0)  53 O (1.0)    0.0
                    (S)   29 CA  21 CA(0.8)  31 CA(0.2)    0.0
                    (S)   75 O   21 CA(0.9)                0.0
                    (B)   22 CA  30 CA(0.0)  58 O (1.0)    0.0
                    (S)   30 CA  22 CA(0.8)  32 CA(0.2)    0.0
                    (S)   76 O   22 CA(0.9)                0.0
                    (S)   73 O   23 CA(0.9)                0.0
                    (B)   24 CA  32 CA(0.0)  56 O (1.0)    0.0
                    (S)   32 CA  24 CA(0.8)  30 CA(0.2)    0.0
                    (S)   74 O   24 CA(0.9)                0.0
                    (S)   71 O   25 CA(0.9)                0.0
                    (S)   30 CA  26 CA(0.8)  32 CA(0.2)    0.0
                    (B)   26 CA  30 CA(0.0)  58 O (1.0)    0.0
                    (S)   72 O   26 CA(0.9)                0.0
                    (B)   27 CA  31 CA(0.0)  59 O (1.0)    0.0
                    (S)   31 CA  27 CA(0.8)  29 CA(0.2)    0.0
                    (S)   69 O   27 CA(0.9)                0.0
                    (B)   28 CA  32 CA(0.0)  56 O (1.0)    0.0
                    (S)   32 CA  28 CA(0.8)  30 CA(0.2)    0.0
                    (S)   70 O   28 CA(0.9)                0.0
89    212.9391  (B3G)
                    (B)   33 CA  21 CA(0.3)  31 CA(0.7)    0.0
                    (S)   33 CA  21 CA(0.9)                0.0
                    (B)   21 CA  85 O (0.0)   9 SI(1.0)    0.0
                    (S)   34 CA  22 CA(0.9)                0.0
                    (B)   34 CA  22 CA(0.3)  32 CA(0.7)    0.0
                    (B)   22 CA  86 O (0.0)  10 SI(1.0)    0.0
                    (S)   35 CA  23 CA(0.9)                0.0
                    (B)   23 CA  35 CA(0.3)  43 CA(0.7)    0.0
                    (B)   23 CA  87 O (0.0)  11 SI(1.0)    0.0
                    (B)   36 CA  24 CA(0.3)  30 CA(0.7)    0.0
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                    (S)   36 CA  24 CA(0.9)                0.0
                    (B)   24 CA  88 O (0.0)  12 SI(1.0)    0.0
                    (B)   25 CA  37 CA(0.3)  45 CA(0.7)    0.0
                    (S)   37 CA  25 CA(0.9)                0.0
                    (B)   25 CA  89 O (0.0)  13 SI(1.0)    0.0
                    (S)   38 CA  26 CA(0.9)                0.0
                    (B)   38 CA  26 CA(0.3)  32 CA(0.7)    0.0
                    (B)   26 CA  90 O (0.0)  14 SI(1.0)    0.0
                    (S)   39 CA  27 CA(0.9)                0.0
                    (B)   39 CA  27 CA(0.3)  29 CA(0.7)    0.0
                    (B)   27 CA  91 O (0.0)  15 SI(1.0)    0.0
                    (B)   40 CA  28 CA(0.3)  30 CA(0.7)    0.0
                    (S)   40 CA  28 CA(0.9)                0.0
                    (B)   28 CA  92 O (0.0)  16 SI(1.0)    0.0
90    213.1383  (B3U)
                    (B)   29 CA  21 CA(0.0)  67 O (0.9)    0.0
                    (B)   29 CA  21 CA(0.0)  83 O (1.0)    0.0
                    (S)   31 CA  21 CA(0.9)                0.0
                    (B)   30 CA  22 CA(0.0)  68 O (0.9)    0.0
                    (B)   30 CA  22 CA(0.0)  84 O (1.0)    0.0
                    (S)   32 CA  22 CA(0.9)                0.0
                    (S)   30 CA  24 CA(0.9)                0.0
                    (B)   32 CA  24 CA(0.0)  66 O (0.9)    0.0
                    (B)   32 CA  24 CA(0.0)  82 O (1.0)    0.0
                    (B)   30 CA  26 CA(0.0)  80 O (1.0)    0.0
                    (B)   30 CA  26 CA(0.0)  64 O (0.9)    0.0
                    (S)   32 CA  26 CA(0.9)                0.0
                    (S)   29 CA  27 CA(0.9)                0.0
                    (B)   31 CA  27 CA(0.0)  61 O (0.9)    0.0
                    (B)   31 CA  27 CA(0.0)  77 O (1.0)    0.0
                    (S)   30 CA  28 CA(0.9)                0.0
                    (B)   32 CA  28 CA(0.0)  62 O (0.9)    0.0
                    (B)   32 CA  28 CA(0.0)  78 O (1.0)    0.0
                    (B)   29 CA  33 CA(0.0)  47 CA(1.0)    0.0
                    (B)   30 CA  34 CA(0.0)  48 CA(1.0)    0.0
                    (B)   30 CA  38 CA(0.0)  44 CA(1.0)    0.0
                    (B)   31 CA  39 CA(0.0)  41 CA(1.0)    0.0
                    (B)   32 CA  36 CA(0.0)  46 CA(1.0)    0.0
                    (B)   32 CA  40 CA(0.0)  42 CA(1.0)    0.0
                    (B)   41 CA  33 CA(0.0) 109 O (1.0)    0.0
                    (B)   41 CA  33 CA(0.3)  53 O (0.7)    0.0
                    (S)   47 CA  33 CA(0.9)                0.0
                    (S)   33 CA  85 O (0.5)  47 CA(0.5)    0.0
                    (B)   42 CA  34 CA(0.0) 110 O (1.0)    0.0
                    (B)   42 CA  34 CA(0.3)  54 O (0.7)    0.0
                    (S)   48 CA  34 CA(0.9)                0.0
                    (S)   86 O   34 CA(0.5)  48 CA(0.5)    0.0
                    (B)   43 CA  35 CA(0.0) 111 O (1.0)    0.0
                    (B)   43 CA  35 CA(0.3)  55 O (0.7)    0.0
                    (S)   45 CA  35 CA(0.9)                0.0
                    (S)   35 CA  87 O (0.5)  45 CA(0.5)    0.0
                    (B)   44 CA  36 CA(0.0) 112 O (1.0)    0.0
                    (B)   44 CA  36 CA(0.3)  56 O (0.7)    0.0
                    (S)   46 CA  36 CA(0.9)                0.0
                    (S)   36 CA  88 O (0.5)  46 CA(0.5)    0.0
                    (S)   43 CA  37 CA(0.9)                0.0
                    (B)   45 CA  37 CA(0.0) 113 O (1.0)    0.0
                    (B)   45 CA  37 CA(0.3)  57 O (0.7)    0.0
                    (S)   37 CA  89 O (0.5)  43 CA(0.5)    0.0
                    (S)   44 CA  38 CA(0.9)                0.0
                    (B)   46 CA  38 CA(0.0) 114 O (1.0)    0.0
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                    (B)   46 CA  38 CA(0.3)  58 O (0.7)    0.0
                    (S)   38 CA  90 O (0.5)  44 CA(0.5)    0.0
                    (S)   41 CA  39 CA(0.9)                0.0
                    (B)   47 CA  39 CA(0.0) 115 O (1.0)    0.0
                    (B)   47 CA  39 CA(0.3)  59 O (0.7)    0.0
                    (S)   39 CA  91 O (0.5)  41 CA(0.5)    0.0
                    (S)   42 CA  40 CA(0.9)                0.0
                    (B)   48 CA  40 CA(0.0) 116 O (1.0)    0.0
                    (B)   48 CA  40 CA(0.3)  60 O (0.7)    0.0
                    (S)   40 CA  92 O (0.5)  42 CA(0.5)    0.0
91    216.2571  (B3U)
                    (B)    1 SI  29 CA(0.0)  53 O (1.0)    0.0
                    (B)    2 SI  30 CA(0.0)  58 O (1.0)    0.0
                    (B)    4 SI  32 CA(0.0)  56 O (1.0)    0.0
                    (B)    6 SI  30 CA(0.0)  58 O (1.0)    0.0
                    (B)   31 CA   7 SI(0.0)  59 O (1.0)    0.0
                    (B)    8 SI  32 CA(0.0)  56 O (1.0)    0.0
                    (B)   53 O   29 CA(0.1)   1 SI(0.9)    0.0
                    (B)   69 O   29 CA(0.4)  21 CA(0.6)    0.0
                    (O)   77 O   29 CA(0.0)  21 CA(0.7)    0.0
                    (B)   54 O   30 CA(0.1)   2 SI(0.9)    0.0
                    (B)   58 O   30 CA(0.1)   2 SI(0.9)    0.0
                    (B)   70 O   30 CA(0.4)  22 CA(0.6)    0.0
                    (B)   74 O   30 CA(0.4)  22 CA(0.6)    0.0
                    (O)   78 O   30 CA(0.0)  22 CA(0.7)    0.0
                    (O)   82 O   30 CA(0.0)  22 CA(0.7)    0.0
                    (B)   31 CA  59 O (0.1)   7 SI(0.9)    0.0
                    (B)   75 O   31 CA(0.4)  27 CA(0.6)    0.0
                    (O)   83 O   31 CA(0.0)  27 CA(0.7)    0.0
                    (B)   56 O   32 CA(0.1)   4 SI(0.9)    0.0
                    (B)   60 O   32 CA(0.1)   8 SI(0.9)    0.0
                    (B)   72 O   32 CA(0.4)  28 CA(0.6)    0.0
                    (B)   76 O   32 CA(0.4)  28 CA(0.6)    0.0
                    (O)   80 O   32 CA(0.0)  24 CA(0.7)    0.0
                    (O)   84 O   32 CA(0.0)  24 CA(0.7)    0.0
92    216.5228  (B2U)
                    (B)   21 CA  33 CA(0.0)  41 CA(0.9)    0.0
                    (S)   33 CA  21 CA(0.6)  83 O (0.4)    0.0
                    (S)   75 O   21 CA(0.6)  33 CA(0.4)    0.0
                    (S)   34 CA  22 CA(0.6)  84 O (0.4)    0.0
                    (B)   22 CA  34 CA(0.0)  42 CA(0.9)    0.0
                    (S)   76 O   22 CA(0.6)  34 CA(0.4)    0.0
                    (S)   35 CA  23 CA(0.6)  81 O (0.4)    0.0
                    (B)   23 CA  35 CA(0.0)  43 CA(0.9)    0.0
                    (S)   73 O   23 CA(0.6)  35 CA(0.4)    0.0
                    (B)   24 CA  36 CA(0.0)  44 CA(0.9)    0.0
                    (S)   36 CA  24 CA(0.6)  82 O (0.4)    0.0
                    (S)   74 O   24 CA(0.6)  36 CA(0.4)    0.0
                    (B)   25 CA  37 CA(0.0)  45 CA(0.9)    0.0
                    (S)   37 CA  25 CA(0.6)  79 O (0.4)    0.0
                    (S)   71 O   25 CA(0.6)  37 CA(0.4)    0.0
                    (S)   38 CA  26 CA(0.6)  80 O (0.4)    0.0
                    (B)   26 CA  38 CA(0.0)  46 CA(0.9)    0.0
                    (S)   72 O   26 CA(0.6)  38 CA(0.4)    0.0
                    (S)   39 CA  27 CA(0.6)  77 O (0.4)    0.0
                    (B)   27 CA  39 CA(0.0)  47 CA(0.9)    0.0
                    (S)   69 O   27 CA(0.6)  39 CA(0.4)    0.0
                    (B)   28 CA  40 CA(0.0)  48 CA(0.9)    0.0
                    (S)   40 CA  28 CA(0.6)  78 O (0.4)    0.0
                    (S)   70 O   28 CA(0.6)  40 CA(0.4)    0.0
                    (B)   29 CA  33 CA(0.1)  77 O (0.9)    0.0
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                    (B)   34 CA  30 CA(0.1)  82 O (0.9)    0.0
                    (B)   38 CA  30 CA(0.1)  78 O (0.9)    0.0
                    (B)   31 CA  39 CA(0.1)  83 O (0.9)    0.0
                    (B)   36 CA  32 CA(0.1)  80 O (0.9)    0.0
                    (B)   32 CA  40 CA(0.1)  84 O (0.9)    0.0
                    (B)   33 CA  41 CA(0.0)  52 CA(1.0)    0.0
                    (S)   41 CA  33 CA(1.0)                0.0
                    (B)   34 CA  42 CA(0.0)  51 CA(1.0)    0.0
                    (S)   42 CA  34 CA(1.0)                0.0
                    (B)   35 CA  43 CA(0.0)  51 CA(1.0)    0.0
                    (S)   43 CA  35 CA(1.0)                0.0
                    (B)   36 CA  44 CA(0.0)  52 CA(1.0)    0.0
                    (S)   44 CA  36 CA(1.0)                0.0
                    (B)   37 CA  45 CA(0.0)  50 CA(1.0)    0.0
                    (S)   45 CA  37 CA(1.0)                0.0
                    (B)   38 CA  46 CA(0.0)  49 CA(1.0)    0.0
                    (S)   46 CA  38 CA(1.0)                0.0
                    (B)   39 CA  47 CA(0.0)  49 CA(1.0)    0.0
                    (S)   47 CA  39 CA(1.0)                0.0
                    (B)   40 CA  48 CA(0.0)  50 CA(1.0)    0.0
                    (S)   48 CA  40 CA(1.0)                0.0
93    217.7450  (AG )
                    (B)   85 O   21 CA(0.3)  33 CA(0.7)    0.0
                    (B)   86 O   22 CA(0.3)  34 CA(0.7)    0.0
                    (B)   87 O   23 CA(0.3)  35 CA(0.7)    0.0
                    (B)   88 O   24 CA(0.3)  36 CA(0.7)    0.0
                    (B)   89 O   25 CA(0.3)  37 CA(0.7)    0.0
                    (B)   90 O   26 CA(0.3)  38 CA(0.7)    0.0
                    (B)   91 O   27 CA(0.3)  39 CA(0.7)    0.0
                    (B)   92 O   28 CA(0.3)  40 CA(0.7)    0.0
                    (B)  109 O   33 CA(0.0)  29 CA(0.9)    0.0
                    (B)  110 O   34 CA(0.0)  30 CA(0.9)    0.0
                    (B)  111 O   35 CA(0.0)  23 CA(0.9)    0.0
                    (B)  112 O   36 CA(0.0)  32 CA(0.9)    0.0
                    (B)  113 O   37 CA(0.0)  25 CA(0.9)    0.0
                    (B)  114 O   38 CA(0.0)  30 CA(0.9)    0.0
                    (B)  115 O   39 CA(0.0)  31 CA(0.9)    0.0
                    (B)  116 O   40 CA(0.0)  32 CA(0.9)    0.0
                    (S)  109 O   49 CA(0.7) 123 O (0.3)    0.0
                    (S)  112 O   49 CA(0.7) 122 O (0.3)    0.0
                    (S)  110 O   50 CA(0.7) 124 O (0.3)    0.0
                    (S)  111 O   50 CA(0.7) 121 O (0.3)    0.0
                    (S)  113 O   51 CA(0.7) 119 O (0.3)    0.0
                    (S)  116 O   51 CA(0.7) 118 O (0.3)    0.0
                    (S)  114 O   52 CA(0.7) 120 O (0.3)    0.0
                    (S)  115 O   52 CA(0.7) 117 O (0.3)    0.0
94    219.8176  (B1G)
                    (O)   91 O   41 CA(0.4)  61 O (0.5)    0.0
                    (S)  107 O   41 CA(0.6) 123 O (0.4)    0.0
                    (O)   92 O   42 CA(0.4)  62 O (0.5)    0.0
                    (S)  108 O   42 CA(0.6) 124 O (0.4)    0.0
                    (O)   89 O   43 CA(0.4)  63 O (0.5)    0.0
                    (S)  105 O   43 CA(0.6) 121 O (0.4)    0.0
                    (O)   90 O   44 CA(0.4)  64 O (0.5)    0.0
                    (S)  106 O   44 CA(0.6) 122 O (0.4)    0.0
                    (O)   87 O   45 CA(0.4)  65 O (0.5)    0.0
                    (S)  103 O   45 CA(0.6) 119 O (0.4)    0.0
                    (O)   88 O   46 CA(0.4)  66 O (0.5)    0.0
                    (S)  104 O   46 CA(0.6) 120 O (0.4)    0.0
                    (O)   85 O   47 CA(0.4)  67 O (0.5)    0.0
                    (S)  101 O   47 CA(0.6) 117 O (0.4)    0.0
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                    (O)   86 O   48 CA(0.4)  68 O (0.5)    0.0
                    (S)  102 O   48 CA(0.6) 118 O (0.4)    0.0
95    220.5035  (B3G)
                    (B)   41 CA  33 CA(0.4)  41 CA(0.6)    0.0
                    (S)   41 CA  33 CA(0.7)  41 CA(0.3)    0.0
                    (B)   42 CA  34 CA(0.4)  42 CA(0.6)    0.0
                    (S)   42 CA  34 CA(0.7)  42 CA(0.3)    0.0
                    (B)   43 CA  35 CA(0.4)  43 CA(0.6)    0.0
                    (S)   43 CA  35 CA(0.7)  43 CA(0.3)    0.0
                    (B)   44 CA  36 CA(0.4)  44 CA(0.6)    0.0
                    (S)   44 CA  36 CA(0.7)  44 CA(0.3)    0.0
                    (B)   45 CA  37 CA(0.4)  45 CA(0.6)    0.0
                    (S)   45 CA  37 CA(0.7)  45 CA(0.3)    0.0
                    (B)   46 CA  38 CA(0.4)  46 CA(0.6)    0.0
                    (S)   46 CA  38 CA(0.7)  46 CA(0.3)    0.0
                    (B)   47 CA  39 CA(0.4)  47 CA(0.6)    0.0
                    (S)   47 CA  39 CA(0.7)  47 CA(0.3)    0.0
                    (B)   48 CA  40 CA(0.4)  48 CA(0.6)    0.0
                    (S)   48 CA  40 CA(0.7)  48 CA(0.3)    0.0
                    (B)   91 O   41 CA(0.0) 123 O (1.0)    0.0
                    (B)   92 O   42 CA(0.0) 124 O (1.0)    0.0
                    (B)   89 O   43 CA(0.0) 121 O (1.0)    0.0
                    (B)   90 O   44 CA(0.0) 122 O (1.0)    0.0
                    (B)   87 O   45 CA(0.0) 119 O (1.0)    0.0
                    (B)   88 O   46 CA(0.0) 120 O (1.0)    0.0
                    (B)   85 O   47 CA(0.0) 117 O (1.0)    0.0
                    (B)   86 O   48 CA(0.0) 118 O (1.0)    0.0
96    221.8809  (AG )
                    (B)   47 CA  33 CA(0.0)  21 CA(1.0)    0.0
                    (B)   48 CA  34 CA(0.0)  22 CA(1.0)    0.0
                    (B)   45 CA  35 CA(0.0)  23 CA(1.0)    0.0
                    (B)   46 CA  36 CA(0.0)  24 CA(1.0)    0.0
                    (B)   43 CA  37 CA(0.0)  25 CA(1.0)    0.0
                    (B)   44 CA  38 CA(0.0)  26 CA(1.0)    0.0
                    (B)   41 CA  39 CA(0.0)  27 CA(1.0)    0.0
                    (B)   42 CA  40 CA(0.0)  28 CA(1.0)    0.0
                    (B)   93 O   41 CA(0.0) 115 O (0.9)    0.0
                    (B)   94 O   42 CA(0.0) 116 O (0.9)    0.0
                    (B)   95 O   43 CA(0.0) 113 O (0.9)    0.0
                    (B)   96 O   44 CA(0.0) 114 O (0.9)    0.0
                    (B)   97 O   45 CA(0.0) 111 O (0.9)    0.0
                    (B)   98 O   46 CA(0.0) 112 O (0.9)    0.0
                    (B)   99 O   47 CA(0.0) 109 O (0.9)    0.0
                    (B)  100 O   48 CA(0.0) 110 O (0.9)    0.0
97    222.4743  (B2U)
                    (O)   91 O   41 CA(0.2)  61 O (0.5)    0.0
                    (B)   93 O   41 CA(0.0)  52 CA(0.9)    0.0
                    (S)  107 O   41 CA(0.8) 123 O (0.2)    0.0
                    (O)   92 O   42 CA(0.2)  62 O (0.5)    0.0
                    (B)   94 O   42 CA(0.0)  51 CA(0.9)    0.0
                    (S)  108 O   42 CA(0.8) 124 O (0.2)    0.0
                    (O)   89 O   43 CA(0.2)  63 O (0.5)    0.0
                    (B)   95 O   43 CA(0.0)  51 CA(0.9)    0.0
                    (S)  105 O   43 CA(0.8) 121 O (0.2)    0.0
                    (O)   90 O   44 CA(0.2)  64 O (0.5)    0.0
                    (B)   96 O   44 CA(0.0)  52 CA(0.9)    0.0
                    (S)  106 O   44 CA(0.8) 122 O (0.2)    0.0
                    (O)   87 O   45 CA(0.2)  65 O (0.5)    0.0
                    (B)   97 O   45 CA(0.0)  50 CA(0.9)    0.0
                    (S)  103 O   45 CA(0.8) 119 O (0.2)    0.0
                    (O)   88 O   46 CA(0.2)  66 O (0.5)    0.0
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                        (B)   98 O   46 CA(0.0)  49 CA(0.9)    0.0
                        (S)  104 O   46 CA(0.8) 120 O (0.2)    0.0
                        (O)   85 O   47 CA(0.2)  67 O (0.5)    0.0
                        (B)   99 O   47 CA(0.0)  49 CA(0.9)    0.0
                        (S)  101 O   47 CA(0.8) 117 O (0.2)    0.0
                        (O)   86 O   48 CA(0.2)  68 O (0.5)    0.0
                        (B)  100 O   48 CA(0.0)  50 CA(0.9)    0.0
                        (S)  102 O   48 CA(0.8) 118 O (0.2)    0.0
 98    222.9270  (B1U)
                        (O)   91 O   41 CA(0.5)  61 O (0.3)    0.0
                        (S)  107 O   41 CA(0.7)  61 O (0.3)    0.0
                        (O)   92 O   42 CA(0.5)  62 O (0.3)    0.0
                        (S)  108 O   42 CA(0.7)  62 O (0.3)    0.0
                        (O)   89 O   43 CA(0.5)  63 O (0.3)    0.0
                        (S)  105 O   43 CA(0.7)  63 O (0.3)    0.0
                        (O)   90 O   44 CA(0.5)  64 O (0.3)    0.0
                        (S)  106 O   44 CA(0.7)  64 O (0.3)    0.0
                        (O)   87 O   45 CA(0.5)  65 O (0.3)    0.0
                        (S)  103 O   45 CA(0.7)  65 O (0.3)    0.0
                        (O)   88 O   46 CA(0.5)  66 O (0.3)    0.0
                        (S)  104 O   46 CA(0.7)  66 O (0.3)    0.0
                        (O)   85 O   47 CA(0.5)  67 O (0.3)    0.0
                        (S)  101 O   47 CA(0.7)  67 O (0.3)    0.0
                        (O)   86 O   48 CA(0.5)  68 O (0.3)    0.0
                        (S)  102 O   48 CA(0.7)  68 O (0.3)    0.0
 99    224.7105  (B2G)
                        (B)   22 CA  74 O (0.2)   6 SI(0.7)    0.0
                        (B)   24 CA  76 O (0.2)   8 SI(0.7)    0.0
                        (B)   26 CA  70 O (0.2)   2 SI(0.7)    0.0
                        (B)   28 CA  72 O (0.2)   4 SI(0.7)    0.0
100    227.1358  (B1G)
                        (S)   75 O   21 CA(1.0)                0.0
                        (B)   74 O   22 CA(0.1)  32 CA(0.9)    0.0
                        (S)   76 O   22 CA(1.0)                0.0
                        (S)   73 O   23 CA(1.0)                0.0
                        (S)   74 O   24 CA(1.0)                0.0
                        (B)   76 O   24 CA(0.1)  30 CA(0.9)    0.0
                        (S)   71 O   25 CA(1.0)                0.0
                        (B)   70 O   26 CA(0.1)  32 CA(0.9)    0.0
                        (S)   72 O   26 CA(1.0)                0.0
                        (S)   69 O   27 CA(1.0)                0.0
                        (S)   70 O   28 CA(1.0)                0.0
                        (B)   72 O   28 CA(0.1)  30 CA(0.9)    0.0
101    227.3048  (AU )
                        (S)   85 O   33 CA(0.9)                0.0
                        (S)   86 O   34 CA(0.9)                0.0
                        (S)   87 O   35 CA(0.9)                0.0
                        (S)   88 O   36 CA(0.9)                0.0
                        (S)   89 O   37 CA(0.9)                0.0
                        (S)   90 O   38 CA(0.9)                0.0
                        (S)   91 O   39 CA(0.9)                0.0
                        (S)   92 O   40 CA(0.9)                0.0
102    228.9224  (B1U)
                        (B)   29 CA  21 CA(0.0)  33 CA(1.0)    0.0
                        (S)   21 CA  29 CA(0.5)  33 CA(0.5)    0.0
                        (B)   30 CA  22 CA(0.0)  34 CA(1.0)    0.0
                        (S)   30 CA  22 CA(0.5)  34 CA(0.5)    0.0
                        (B)   32 CA  24 CA(0.0)  36 CA(1.0)    0.0
                        (S)   24 CA  32 CA(0.5)  36 CA(0.5)    0.0
                        (S)   30 CA  26 CA(0.5)  38 CA(0.5)    0.0
                        (B)   30 CA  26 CA(0.0)  38 CA(1.0)    0.0
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                        (B)   31 CA  27 CA(0.0)  39 CA(1.0)    0.0
                        (S)   31 CA  27 CA(0.5)  39 CA(0.5)    0.0
                        (B)   32 CA  28 CA(0.0)  40 CA(1.0)    0.0
                        (S)   32 CA  28 CA(0.5)  40 CA(0.5)    0.0
103    230.8916  (B3U)
                        (B)    9 SI  47 CA(0.0) 117 O (1.0)    0.0
                        (B)   10 SI  48 CA(0.0) 118 O (1.0)    0.0
                        (B)   11 SI  45 CA(0.0) 119 O (1.0)    0.0
                        (B)   12 SI  46 CA(0.0) 120 O (1.0)    0.0
                        (B)   13 SI  43 CA(0.0) 121 O (1.0)    0.0
                        (B)   14 SI  44 CA(0.0) 122 O (1.0)    0.0
                        (B)   15 SI  41 CA(0.0) 123 O (1.0)    0.0
                        (B)   16 SI  42 CA(0.0) 124 O (1.0)    0.0
                        (B)   41 CA  91 O (0.1)  27 CA(0.9)    0.0
                        (B)   93 O   41 CA(0.0) 115 O (1.0)    0.0
                        (B)   42 CA  92 O (0.1)  28 CA(0.9)    0.0
                        (B)   94 O   42 CA(0.0) 116 O (1.0)    0.0
                        (B)   43 CA  89 O (0.1)  25 CA(0.9)    0.0
                        (B)   95 O   43 CA(0.0) 113 O (1.0)    0.0
                        (B)   44 CA  90 O (0.1)  26 CA(0.9)    0.0
                        (B)   96 O   44 CA(0.0) 114 O (1.0)    0.0
                        (B)   45 CA  87 O (0.1)  23 CA(0.9)    0.0
                        (B)   97 O   45 CA(0.0) 111 O (1.0)    0.0
                        (B)   46 CA  88 O (0.1)  24 CA(0.9)    0.0
                        (B)   98 O   46 CA(0.0) 112 O (1.0)    0.0
                        (B)   47 CA  85 O (0.1)  21 CA(0.9)    0.0
                        (B)   99 O   47 CA(0.0) 109 O (1.0)    0.0
                        (B)   48 CA  86 O (0.1)  22 CA(0.9)    0.0
                        (B)  100 O   48 CA(0.0) 110 O (1.0)    0.0
104    235.0598  (AG )
                        (B)   41 CA  33 CA(0.0) 109 O (1.0)    0.0
                        (B)   41 CA  33 CA(0.4)  53 O (0.6)    0.0
                        (B)   93 O   33 CA(0.0) 109 O (1.0)    0.0
                        (B)   42 CA  34 CA(0.0) 110 O (1.0)    0.0
                        (B)   42 CA  34 CA(0.4)  54 O (0.6)    0.0
                        (B)   94 O   34 CA(0.0) 110 O (1.0)    0.0
                        (B)   43 CA  35 CA(0.0) 111 O (1.0)    0.0
                        (B)   43 CA  35 CA(0.4)  55 O (0.6)    0.0
                        (B)   95 O   35 CA(0.0) 111 O (1.0)    0.0
                        (B)   44 CA  36 CA(0.0) 112 O (1.0)    0.0
                        (B)   44 CA  36 CA(0.4)  56 O (0.6)    0.0
                        (B)   96 O   36 CA(0.0) 112 O (1.0)    0.0
                        (B)   45 CA  37 CA(0.0) 113 O (1.0)    0.0
                        (B)   45 CA  37 CA(0.4)  57 O (0.6)    0.0
                        (B)   97 O   37 CA(0.0) 113 O (1.0)    0.0
                        (B)   46 CA  38 CA(0.0) 114 O (1.0)    0.0
                        (B)   46 CA  38 CA(0.4)  58 O (0.6)    0.0
                        (B)   98 O   38 CA(0.0) 114 O (1.0)    0.0
                        (B)   47 CA  39 CA(0.0) 115 O (1.0)    0.0
                        (B)   47 CA  39 CA(0.4)  59 O (0.6)    0.0
                        (B)   99 O   39 CA(0.0) 115 O (1.0)    0.0
                        (B)   48 CA  40 CA(0.0) 116 O (1.0)    0.0
                        (B)   48 CA  40 CA(0.4)  60 O (0.6)    0.0
                        (B)  100 O   40 CA(0.0) 116 O (1.0)    0.0
105    235.2984  (B3U)
                        (S)   41 CA  52 CA(0.6) 117 O (0.4)    0.0
                        (S)   42 CA  51 CA(0.6) 118 O (0.4)    0.0
                        (S)   43 CA  51 CA(0.6) 119 O (0.4)    0.0
                        (S)   44 CA  52 CA(0.6) 120 O (0.4)    0.0
                        (S)   45 CA  50 CA(0.6) 121 O (0.4)    0.0
                        (S)   46 CA  49 CA(0.6) 122 O (0.4)    0.0
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                    (S)   47 CA  49 CA(0.6) 123 O (0.4)    0.0
                    (S)   48 CA  50 CA(0.6) 124 O (0.4)    0.0
                    (B)   93 O   49 CA(0.5) 101 O (0.5)    0.0
                    (B)   96 O   49 CA(0.5) 104 O (0.5)    0.0
                    (B)   94 O   50 CA(0.5) 102 O (0.5)    0.0
                    (B)   95 O   50 CA(0.5) 103 O (0.5)    0.0
                    (B)   97 O   51 CA(0.5) 105 O (0.5)    0.0
                    (B)  100 O   51 CA(0.5) 108 O (0.5)    0.0
                    (B)   98 O   52 CA(0.5) 106 O (0.5)    0.0
                    (B)   99 O   52 CA(0.5) 107 O (0.5)    0.0
106    236.2826  (AU )
                    (B)    9 SI  47 CA(0.0)  49 CA(1.0)    0.0
                    (B)   10 SI  48 CA(0.0)  50 CA(1.0)    0.0
                    (B)   11 SI  45 CA(0.0)  50 CA(1.0)    0.0
                    (B)   12 SI  46 CA(0.0)  49 CA(1.0)    0.0
                    (B)   13 SI  43 CA(0.0)  51 CA(1.0)    0.0
                    (B)   14 SI  44 CA(0.0)  52 CA(1.0)    0.0
                    (B)   15 SI  41 CA(0.0)  52 CA(1.0)    0.0
                    (B)   16 SI  42 CA(0.0)  51 CA(1.0)    0.0
                    (B)   33 CA  41 CA(0.0)  52 CA(1.0)    0.0
                    (S)   41 CA  33 CA(1.0)                0.0
                    (B)   34 CA  42 CA(0.0)  51 CA(1.0)    0.0
                    (S)   42 CA  34 CA(1.0)                0.0
                    (B)   35 CA  43 CA(0.0)  51 CA(1.0)    0.0
                    (S)   43 CA  35 CA(1.0)                0.0
                    (B)   36 CA  44 CA(0.0)  52 CA(1.0)    0.0
                    (S)   44 CA  36 CA(1.0)                0.0
                    (B)   37 CA  45 CA(0.0)  50 CA(1.0)    0.0
                    (S)   45 CA  37 CA(1.0)                0.0
                    (B)   38 CA  46 CA(0.0)  49 CA(1.0)    0.0
                    (S)   46 CA  38 CA(1.0)                0.0
                    (B)   39 CA  47 CA(0.0)  49 CA(1.0)    0.0
                    (S)   47 CA  39 CA(1.0)                0.0
                    (B)   40 CA  48 CA(0.0)  50 CA(1.0)    0.0
                    (S)   48 CA  40 CA(1.0)                0.0
                    (B)   41 CA  61 O (0.0)   1 SI(1.0)    0.0
                    (B)   42 CA  62 O (0.0)   2 SI(1.0)    0.0
                    (B)   43 CA  63 O (0.0)   3 SI(1.0)    0.0
                    (B)   44 CA  64 O (0.0)   4 SI(1.0)    0.0
                    (B)   45 CA  65 O (0.0)   5 SI(1.0)    0.0
                    (B)   46 CA  66 O (0.0)   6 SI(1.0)    0.0
                    (B)   47 CA  67 O (0.0)   7 SI(1.0)    0.0
                    (B)   48 CA  68 O (0.0)   8 SI(1.0)    0.0
107    237.6582  (B3G)
                    (S)   85 O   33 CA(0.6)  41 CA(0.4)    0.0
                    (B)  109 O   33 CA(0.0)  53 O (1.0)    0.0
                    (S)   86 O   34 CA(0.6)  42 CA(0.4)    0.0
                    (B)  110 O   34 CA(0.0)  54 O (1.0)    0.0
                    (S)   87 O   35 CA(0.6)  43 CA(0.4)    0.0
                    (B)  111 O   35 CA(0.0)  55 O (1.0)    0.0
                    (S)   88 O   36 CA(0.6)  44 CA(0.4)    0.0
                    (B)  112 O   36 CA(0.0)  56 O (1.0)    0.0
                    (S)   89 O   37 CA(0.6)  45 CA(0.4)    0.0
                    (B)  113 O   37 CA(0.0)  57 O (1.0)    0.0
                    (S)   90 O   38 CA(0.6)  46 CA(0.4)    0.0
                    (B)  114 O   38 CA(0.0)  58 O (1.0)    0.0
                    (S)   91 O   39 CA(0.6)  47 CA(0.4)    0.0
                    (B)  115 O   39 CA(0.0)  59 O (1.0)    0.0
                    (S)   92 O   40 CA(0.6)  48 CA(0.4)    0.0
                    (B)  116 O   40 CA(0.0)  60 O (1.0)    0.0
                    (B)   41 CA  52 CA(0.2)  38 CA(0.7)    0.0
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                    (B)   91 O   41 CA(0.2)  39 CA(0.7)    0.0
                    (B)  115 O   41 CA(0.0)  93 O (0.9)    0.0
                    (B)   42 CA  51 CA(0.2)  37 CA(0.7)    0.0
                    (B)   92 O   42 CA(0.2)  40 CA(0.7)    0.0
                    (B)  116 O   42 CA(0.0)  94 O (0.9)    0.0
                    (B)   43 CA  51 CA(0.2)  40 CA(0.7)    0.0
                    (B)   43 CA  89 O (0.2)  37 CA(0.7)    0.0
                    (B)  113 O   43 CA(0.0)  95 O (0.9)    0.0
                    (B)   44 CA  52 CA(0.2)  39 CA(0.7)    0.0
                    (B)   90 O   44 CA(0.2)  38 CA(0.7)    0.0
                    (B)  114 O   44 CA(0.0)  96 O (0.9)    0.0
                    (B)   45 CA  50 CA(0.2)  34 CA(0.7)    0.0
                    (B)   87 O   45 CA(0.2)  35 CA(0.7)    0.0
                    (B)  111 O   45 CA(0.0)  97 O (0.9)    0.0
                    (B)   46 CA  49 CA(0.2)  33 CA(0.7)    0.0
                    (B)   46 CA  88 O (0.2)  36 CA(0.7)    0.0
                    (B)  112 O   46 CA(0.0)  98 O (0.9)    0.0
                    (B)   47 CA  49 CA(0.2)  36 CA(0.7)    0.0
                    (B)   47 CA  85 O (0.2)  33 CA(0.7)    0.0
                    (B)  109 O   47 CA(0.0)  99 O (0.9)    0.0
                    (B)   48 CA  50 CA(0.2)  35 CA(0.7)    0.0
                    (B)   86 O   48 CA(0.2)  34 CA(0.7)    0.0
                    (B)  110 O   48 CA(0.0) 100 O (0.9)    0.0
108    240.4125  (B2G)
                    (B)   41 CA  33 CA(0.0) 109 O (1.0)    0.0
                    (B)   41 CA  33 CA(0.4)  53 O (0.6)    0.0
                    (B)   42 CA  34 CA(0.0) 110 O (1.0)    0.0
                    (B)   42 CA  34 CA(0.4)  54 O (0.6)    0.0
                    (B)   43 CA  35 CA(0.0) 111 O (1.0)    0.0
                    (B)   43 CA  35 CA(0.4)  55 O (0.6)    0.0
                    (B)   44 CA  36 CA(0.0) 112 O (1.0)    0.0
                    (B)   44 CA  36 CA(0.4)  56 O (0.6)    0.0
                    (B)   45 CA  37 CA(0.0) 113 O (1.0)    0.0
                    (B)   45 CA  37 CA(0.4)  57 O (0.6)    0.0
                    (B)   46 CA  38 CA(0.0) 114 O (1.0)    0.0
                    (B)   46 CA  38 CA(0.4)  58 O (0.6)    0.0
                    (B)   47 CA  39 CA(0.0) 115 O (1.0)    0.0
                    (B)   47 CA  39 CA(0.4)  59 O (0.6)    0.0
                    (B)   48 CA  40 CA(0.0) 116 O (1.0)    0.0
                    (B)   48 CA  40 CA(0.4)  60 O (0.6)    0.0
109    241.5572  (AG )
                    (B)   53 O   21 CA(0.1)  39 CA(0.9)    0.0
                    (B)   75 O   21 CA(0.1)  29 CA(0.9)    0.0
                    (S)   83 O   21 CA(0.9)                0.0
                    (B)   85 O   21 CA(0.0)  39 CA(1.0)    0.0
                    (B)   54 O   22 CA(0.1)  40 CA(0.9)    0.0
                    (B)   76 O   22 CA(0.1)  30 CA(0.9)    0.0
                    (S)   84 O   22 CA(0.9)                0.0
                    (B)   86 O   22 CA(0.0)  40 CA(1.0)    0.0
                    (B)   55 O   23 CA(0.1)  37 CA(0.9)    0.0
                    (B)   73 O   23 CA(0.1)  81 O (0.8)    0.0
                    (S)   81 O   23 CA(0.9)                0.0
                    (B)   87 O   23 CA(0.0)  37 CA(1.0)    0.0
                    (B)   56 O   24 CA(0.1)  38 CA(0.9)    0.0
                    (B)   74 O   24 CA(0.1)  32 CA(0.9)    0.0
                    (S)   82 O   24 CA(0.9)                0.0
                    (B)   88 O   24 CA(0.0)  38 CA(1.0)    0.0
                    (B)   57 O   25 CA(0.1)  35 CA(0.9)    0.0
                    (B)   71 O   25 CA(0.1)  79 O (0.8)    0.0
                    (S)   79 O   25 CA(0.9)                0.0
                    (B)   89 O   25 CA(0.0)  35 CA(1.0)    0.0
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                        (B)   58 O   26 CA(0.1)  36 CA(0.9)    0.0
                        (B)   72 O   26 CA(0.1)  30 CA(0.9)    0.0
                        (S)   80 O   26 CA(0.9)               0.0
                        (B)   90 O   26 CA(0.0)  36 CA(1.0)    0.0
                        (B)   59 O   27 CA(0.1)  33 CA(0.9)    0.0
                        (B)   69 O   27 CA(0.1)  31 CA(0.9)    0.0
                        (S)   77 O   27 CA(0.9)               0.0
                        (B)   91 O   27 CA(0.0)  33 CA(1.0)    0.0
                        (B)   60 O   28 CA(0.1)  34 CA(0.9)    0.0
                        (B)   70 O   28 CA(0.1)  32 CA(0.9)    0.0
                        (S)   78 O   28 CA(0.9)               0.0
                        (B)   92 O   28 CA(0.0)  34 CA(1.0)    0.0
110    242.0697  (AU )
                        (S)   21 CA  29 CA(0.8)   1 SI(0.2)    0.0
                        (B)   29 CA  21 CA(0.2)  67 O (0.7)    0.0
                        (S)   39 CA  21 CA(0.5)  67 O (0.5)    0.0
                        (S)   67 O   21 CA(0.8)  29 CA(0.2)    0.0
                        (S)   22 CA  30 CA(0.8)   2 SI(0.2)    0.0
                        (B)   30 CA  22 CA(0.2)  74 O (0.8)    0.0
                        (S)   40 CA  22 CA(0.5)  68 O (0.5)    0.0
                        (S)   68 O   22 CA(0.8)  30 CA(0.2)    0.0
                        (S)   23 CA  37 CA(0.5)  65 O (0.5)    0.0
                        (S)   65 O   23 CA(0.8)  37 CA(0.2)    0.0
                        (S)   24 CA  32 CA(0.8)   8 SI(0.2)    0.0
                        (B)   32 CA  24 CA(0.2)  76 O (0.8)    0.0
                        (S)   38 CA  24 CA(0.5)  66 O (0.5)    0.0
                        (S)   66 O   24 CA(0.8)  32 CA(0.2)    0.0
                        (S)   25 CA  35 CA(0.5)  63 O (0.5)    0.0
                        (S)   63 O   25 CA(0.8)  35 CA(0.2)    0.0
                        (B)   30 CA  26 CA(0.2)  70 O (0.8)    0.0
                        (S)   26 CA  30 CA(0.8)   2 SI(0.2)    0.0
                        (S)   36 CA  26 CA(0.5)  64 O (0.5)    0.0
                        (S)   64 O   26 CA(0.8)  30 CA(0.2)    0.0
                        (S)   27 CA  31 CA(0.8)   7 SI(0.2)    0.0
                        (B)   31 CA  27 CA(0.2)  61 O (0.7)    0.0
                        (S)   33 CA  27 CA(0.5)  61 O (0.5)    0.0
                        (S)   61 O   27 CA(0.8)  31 CA(0.2)    0.0
                        (S)   28 CA  32 CA(0.8)   4 SI(0.2)    0.0
                        (B)   32 CA  28 CA(0.2)  72 O (0.8)    0.0
                        (S)   34 CA  28 CA(0.5)  62 O (0.5)    0.0
                        (S)   62 O   28 CA(0.8)  32 CA(0.2)    0.0
                        (O)  123 O   41 CA(0.0)  61 O (0.7)    0.0
                        (O)  124 O   42 CA(0.0)  62 O (0.7)    0.0
                        (O)  121 O   43 CA(0.0)  63 O (0.7)    0.0
                        (O)  122 O   44 CA(0.0)  64 O (0.7)    0.0
                        (O)  119 O   45 CA(0.0)  65 O (0.7)    0.0
                        (O)  120 O   46 CA(0.0)  66 O (0.7)    0.0
                        (O)  117 O   47 CA(0.0)  67 O (0.7)    0.0
                        (O)  118 O   48 CA(0.0)  68 O (0.7)    0.0
                        (B)  122 O   49 CA(0.1)  47 CA(0.9)    0.0
                        (B)  123 O   49 CA(0.1)  46 CA(0.9)    0.0
                        (B)  121 O   50 CA(0.1)  48 CA(0.9)    0.0
                        (B)  124 O   50 CA(0.1)  45 CA(0.9)    0.0
                        (B)  118 O   51 CA(0.1)  43 CA(0.9)    0.0
                        (B)  119 O   51 CA(0.1)  42 CA(0.9)    0.0
                        (B)  117 O   52 CA(0.1)  44 CA(0.9)    0.0
                        (B)  120 O   52 CA(0.1)  41 CA(0.9)    0.0
111    244.2524  (B3G)
                        (B)   53 O   21 CA(0.0)  85 O (0.9)    0.0
                        (B)   67 O   21 CA(0.3)  29 CA(0.7)    0.0
                        (S)   75 O   21 CA(0.9)               0.0
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                    (B)   54 O   22 CA(0.0)  86 O (0.9)    0.0
                    (B)   68 O   22 CA(0.3)  30 CA(0.7)    0.0
                    (S)   76 O   22 CA(0.9)                0.0
                    (B)   55 O   23 CA(0.0)  87 O (0.9)    0.0
                    (B)   23 CA  65 O (0.3)  37 CA(0.6)    0.0
                    (S)   73 O   23 CA(0.9)                0.0
                    (B)   56 O   24 CA(0.0)  88 O (0.9)    0.0
                    (B)   66 O   24 CA(0.3)  32 CA(0.7)    0.0
                    (S)   74 O   24 CA(0.9)                0.0
                    (B)   57 O   25 CA(0.0)  89 O (0.9)    0.0
                    (B)   63 O   25 CA(0.3)  35 CA(0.6)    0.0
                    (S)   71 O   25 CA(0.9)                0.0
                    (B)   58 O   26 CA(0.0)  90 O (0.9)    0.0
                    (B)   64 O   26 CA(0.3)  30 CA(0.7)    0.0
                    (S)   72 O   26 CA(0.9)                0.0
                    (B)   59 O   27 CA(0.0)  91 O (0.9)    0.0
                    (B)   61 O   27 CA(0.3)  31 CA(0.7)    0.0
                    (S)   69 O   27 CA(0.9)                0.0
                    (B)   60 O   28 CA(0.0)  92 O (0.9)    0.0
                    (B)   62 O   28 CA(0.3)  32 CA(0.7)    0.0
                    (S)   70 O   28 CA(0.9)                0.0
                    (B)   61 O   41 CA(0.0) 123 O (1.0)    0.0
                    (B)   62 O   42 CA(0.0) 124 O (1.0)    0.0
                    (B)   63 O   43 CA(0.0) 121 O (1.0)    0.0
                    (B)   64 O   44 CA(0.0) 122 O (1.0)    0.0
                    (B)   65 O   45 CA(0.0) 119 O (1.0)    0.0
                    (B)   66 O   46 CA(0.0) 120 O (1.0)    0.0
                    (B)   67 O   47 CA(0.0) 117 O (1.0)    0.0
                    (B)   68 O   48 CA(0.0) 118 O (1.0)    0.0
112    247.4087  (B2U)
                    (S)   29 CA  21 CA(0.9)                0.0
                    (B)   29 CA  21 CA(0.1)   7 SI(0.9)    0.0
                    (B)   75 O   21 CA(0.4)  83 O (0.6)    0.0
                    (S)   30 CA  22 CA(0.9)                0.0
                    (B)   30 CA  22 CA(0.1)   8 SI(0.9)    0.0
                    (B)   76 O   22 CA(0.4)  84 O (0.6)    0.0
                    (B)   73 O   23 CA(0.4)  81 O (0.6)    0.0
                    (S)   32 CA  24 CA(0.9)                0.0
                    (B)   32 CA  24 CA(0.1)   6 SI(0.9)    0.0
                    (B)   74 O   24 CA(0.4)  82 O (0.6)    0.0
                    (B)   71 O   25 CA(0.4)  79 O (0.6)    0.0
                    (B)   30 CA  26 CA(0.1)   4 SI(0.9)    0.0
                    (S)   30 CA  26 CA(0.9)                0.0
                    (B)   72 O   26 CA(0.4)  80 O (0.6)    0.0
                    (S)   31 CA  27 CA(0.9)                0.0
                    (B)   31 CA  27 CA(0.1)   1 SI(0.9)    0.0
                    (B)   69 O   27 CA(0.4)  77 O (0.6)    0.0
                    (S)   32 CA  28 CA(0.9)                0.0
                    (B)   32 CA  28 CA(0.1)   2 SI(0.9)    0.0
                    (B)   70 O   28 CA(0.4)  78 O (0.6)    0.0
113    247.5622  (B2G)
                    (B)   75 O   21 CA(0.3)  39 CA(0.7)    0.0
                    (S)   83 O   21 CA(0.8)   7 SI(0.2)    0.0
                    (B)   76 O   22 CA(0.3)  40 CA(0.7)    0.0
                    (S)   84 O   22 CA(0.8)   8 SI(0.2)    0.0
                    (B)   73 O   23 CA(0.3)  37 CA(0.7)    0.0
                    (S)   81 O   23 CA(0.8)   5 SI(0.2)    0.0
                    (B)   74 O   24 CA(0.3)  38 CA(0.7)    0.0
                    (S)   82 O   24 CA(0.8)   6 SI(0.2)    0.0
                    (B)   71 O   25 CA(0.3)  35 CA(0.7)    0.0
                    (S)   79 O   25 CA(0.8)   3 SI(0.2)    0.0
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                        (B)   72 O   26 CA(0.3)  36 CA(0.7)    0.0
                        (S)   80 O   26 CA(0.8)   4 SI(0.2)    0.0
                        (B)   69 O   27 CA(0.3)  33 CA(0.7)    0.0
                        (S)   77 O   27 CA(0.8)   1 SI(0.2)    0.0
                        (B)   70 O   28 CA(0.3)  34 CA(0.7)    0.0
                        (S)   78 O   28 CA(0.8)   2 SI(0.2)    0.0
114    247.6942  (B3U)
                        (S)   83 O   21 CA(0.7)  29 CA(0.3)    0.0
                        (S)   84 O   22 CA(0.7)  30 CA(0.3)    0.0
                        (S)   81 O   23 CA(0.7)  65 O (0.3)    0.0
                        (S)   82 O   24 CA(0.7)  32 CA(0.3)    0.0
                        (S)   79 O   25 CA(0.7)  63 O (0.3)    0.0
                        (S)   80 O   26 CA(0.7)  30 CA(0.3)    0.0
                        (S)   77 O   27 CA(0.7)  31 CA(0.3)    0.0
                        (S)   78 O   28 CA(0.7)  32 CA(0.3)    0.0
115    247.8401  (B1G)
                        (O)   83 O   21 CA(0.2)  33 CA(0.7)    0.0
                        (B)   74 O   22 CA(0.1)  54 O (0.9)    0.0
                        (O)   84 O   22 CA(0.2)  34 CA(0.7)    0.0
                        (O)   81 O   23 CA(0.2)  35 CA(0.7)    0.0
                        (B)   76 O   24 CA(0.1)  56 O (0.9)    0.0
                        (O)   82 O   24 CA(0.2)  36 CA(0.7)    0.0
                        (O)   79 O   25 CA(0.2)  37 CA(0.7)    0.0
                        (B)   70 O   26 CA(0.1)  58 O (0.9)    0.0
                        (O)   80 O   26 CA(0.2)  38 CA(0.7)    0.0
                        (O)   77 O   27 CA(0.2)  39 CA(0.7)    0.0
                        (B)   72 O   28 CA(0.1)  60 O (0.9)    0.0
                        (O)   78 O   28 CA(0.2)  40 CA(0.7)    0.0
                        (S)  107 O   41 CA(0.8) 123 O (0.2)    0.0
                        (S)  108 O   42 CA(0.8) 124 O (0.2)    0.0
                        (S)  105 O   43 CA(0.8) 121 O (0.2)    0.0
                        (S)  106 O   44 CA(0.8) 122 O (0.2)    0.0
                        (S)  103 O   45 CA(0.8) 119 O (0.2)    0.0
                        (S)  104 O   46 CA(0.8) 120 O (0.2)    0.0
                        (S)  101 O   47 CA(0.8) 117 O (0.2)    0.0
                        (S)  102 O   48 CA(0.8) 118 O (0.2)    0.0
116    249.9686  (B2G)
                        (B)   67 O   21 CA(0.1)  39 CA(0.9)    0.0
                        (B)   22 CA  68 O (0.1)  40 CA(0.9)    0.0
                        (B)   74 O   22 CA(0.1)  40 CA(0.8)    0.0
                        (B)   23 CA  65 O (0.1)  37 CA(0.9)    0.0
                        (B)   24 CA  66 O (0.1)  38 CA(0.9)    0.0
                        (B)   76 O   24 CA(0.1)  38 CA(0.8)    0.0
                        (B)   63 O   25 CA(0.1)  35 CA(0.9)    0.0
                        (B)   64 O   26 CA(0.1)  36 CA(0.9)    0.0
                        (B)   70 O   26 CA(0.1)  36 CA(0.8)    0.0
                        (B)   27 CA  61 O (0.1)  33 CA(0.9)    0.0
                        (B)   28 CA  62 O (0.1)  34 CA(0.9)    0.0
                        (B)   72 O   28 CA(0.1)  34 CA(0.8)    0.0
                        (S)   33 CA  61 O (0.8)  27 CA(0.2)    0.0
                        (S)   62 O   34 CA(0.8)  28 CA(0.2)    0.0
                        (S)   63 O   35 CA(0.8)  25 CA(0.2)    0.0
                        (S)   64 O   36 CA(0.8)  26 CA(0.2)    0.0
                        (S)   65 O   37 CA(0.8)  23 CA(0.2)    0.0
                        (S)   66 O   38 CA(0.8)  24 CA(0.2)    0.0
                        (S)   67 O   39 CA(0.8)  21 CA(0.2)    0.0
                        (S)   40 CA  68 O (0.8)  22 CA(0.2)    0.0
                        (B)   61 O   41 CA(0.0)  33 CA(1.0)    0.0
                        (B)   42 CA  62 O (0.0)  34 CA(1.0)    0.0
                        (B)   43 CA  63 O (0.0)  35 CA(1.0)    0.0
                        (B)   64 O   44 CA(0.0)  36 CA(1.0)    0.0
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                    (B)   45 CA  65 O (0.0)  37 CA(1.0)    0.0
                    (B)   66 O   46 CA(0.0)  38 CA(1.0)    0.0
                    (B)   67 O   47 CA(0.0)  39 CA(1.0)    0.0
                    (B)   68 O   48 CA(0.0)  40 CA(1.0)    0.0
117    250.2233  (AU )
                    (S)   29 CA  21 CA(0.9)                0.0
                    (B)   29 CA  21 CA(0.0)   7 SI(1.0)    0.0
                    (S)   75 O   21 CA(0.7)  29 CA(0.3)    0.0
                    (B)   85 O   21 CA(0.4)  33 CA(0.6)    0.0
                    (S)   30 CA  22 CA(0.9)                0.0
                    (B)   30 CA  22 CA(0.0)   8 SI(1.0)    0.0
                    (S)   76 O   22 CA(0.7)  30 CA(0.3)    0.0
                    (B)   22 CA  86 O (0.4)  34 CA(0.6)    0.0
                    (S)   73 O   23 CA(0.7)  81 O (0.3)    0.0
                    (B)   23 CA  87 O (0.4)  35 CA(0.6)    0.0
                    (S)   32 CA  24 CA(0.9)                0.0
                    (B)   32 CA  24 CA(0.0)   6 SI(1.0)    0.0
                    (S)   74 O   24 CA(0.7)  32 CA(0.3)    0.0
                    (B)   24 CA  88 O (0.4)  36 CA(0.6)    0.0
                    (S)   71 O   25 CA(0.7)  79 O (0.3)    0.0
                    (B)   25 CA  89 O (0.4)  37 CA(0.6)    0.0
                    (B)   30 CA  26 CA(0.0)   4 SI(1.0)    0.0
                    (S)   30 CA  26 CA(0.9)                0.0
                    (S)   72 O   26 CA(0.7)  30 CA(0.3)    0.0
                    (B)   90 O   26 CA(0.4)  38 CA(0.6)    0.0
                    (S)   31 CA  27 CA(0.9)                0.0
                    (B)   31 CA  27 CA(0.0)   1 SI(1.0)    0.0
                    (S)   69 O   27 CA(0.7)  31 CA(0.3)    0.0
                    (B)   91 O   27 CA(0.4)  39 CA(0.6)    0.0
                    (S)   32 CA  28 CA(0.9)                0.0
                    (B)   32 CA  28 CA(0.0)   2 SI(1.0)    0.0
                    (S)   70 O   28 CA(0.7)  32 CA(0.3)    0.0
                    (B)   28 CA  92 O (0.4)  40 CA(0.6)    0.0
                    (B)   29 CA  33 CA(0.0)   9 SI(1.0)    0.0
                    (B)   53 O   29 CA(0.0)  21 CA(1.0)    0.0
                    (S)   69 O   29 CA(0.9)                0.0
                    (B)   30 CA  34 CA(0.0)  10 SI(1.0)    0.0
                    (B)   30 CA  38 CA(0.0)  14 SI(1.0)    0.0
                    (B)   54 O   30 CA(0.0)  22 CA(1.0)    0.0
                    (B)   58 O   30 CA(0.0)  22 CA(1.0)    0.0
                    (S)   70 O   30 CA(0.9)                0.0
                    (S)   74 O   30 CA(0.9)                0.0
                    (B)   31 CA  39 CA(0.0)  15 SI(1.0)    0.0
                    (B)   59 O   31 CA(0.0)  27 CA(1.0)    0.0
                    (S)   75 O   31 CA(0.9)                0.0
                    (B)   32 CA  36 CA(0.0)  12 SI(1.0)    0.0
                    (B)   32 CA  40 CA(0.0)  16 SI(1.0)    0.0
                    (B)   56 O   32 CA(0.0)  24 CA(1.0)    0.0
                    (B)   60 O   32 CA(0.0)  24 CA(1.0)    0.0
                    (S)   72 O   32 CA(0.9)                0.0
                    (S)   76 O   32 CA(0.9)                0.0
                    (S)   33 CA  85 O (0.8)  47 CA(0.2)    0.0
                    (S)   34 CA  86 O (0.8)  48 CA(0.2)    0.0
                    (S)   87 O   35 CA(0.8)  45 CA(0.2)    0.0
                    (S)   88 O   36 CA(0.8)  46 CA(0.2)    0.0
                    (S)   37 CA  89 O (0.8)  43 CA(0.2)    0.0
                    (S)   38 CA  90 O (0.8)  44 CA(0.2)    0.0
                    (S)   39 CA  91 O (0.8)  41 CA(0.2)    0.0
                    (S)   40 CA  92 O (0.8)  42 CA(0.2)    0.0
118    253.5369  (B1G)
                    (B)   53 O   21 CA(0.0)  85 O (0.8)    0.0
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                    (B)   67 O   21 CA(0.4)  29 CA(0.6)    0.0
                    (B)   54 O   22 CA(0.0)  86 O (0.8)    0.0
                    (B)   68 O   22 CA(0.4)  30 CA(0.6)    0.0
                    (B)   55 O   23 CA(0.0)  87 O (0.8)    0.0
                    (B)   65 O   23 CA(0.4)  37 CA(0.5)    0.0
                    (B)   56 O   24 CA(0.0)  88 O (0.8)    0.0
                    (B)   66 O   24 CA(0.4)  32 CA(0.6)    0.0
                    (B)   57 O   25 CA(0.0)  89 O (0.8)    0.0
                    (B)   63 O   25 CA(0.4)  35 CA(0.5)    0.0
                    (B)   58 O   26 CA(0.0)  90 O (0.8)    0.0
                    (B)   64 O   26 CA(0.4)  30 CA(0.6)    0.0
                    (B)   59 O   27 CA(0.0)  91 O (0.8)    0.0
                    (B)   61 O   27 CA(0.4)  31 CA(0.6)    0.0
                    (B)   60 O   28 CA(0.0)  92 O (0.8)    0.0
                    (B)   62 O   28 CA(0.4)  32 CA(0.6)    0.0
                    (B)   53 O   33 CA(0.1)  21 CA(0.8)    0.0
                    (S)   61 O   33 CA(0.9)                0.0
                    (B)   54 O   34 CA(0.1)  22 CA(0.8)    0.0
                    (S)   62 O   34 CA(0.9)                0.0
                    (B)   55 O   35 CA(0.1)  23 CA(0.8)    0.0
                    (S)   63 O   35 CA(0.9)                0.0
                    (B)   56 O   36 CA(0.1)  24 CA(0.8)    0.0
                    (S)   64 O   36 CA(0.9)                0.0
                    (B)   57 O   37 CA(0.1)  25 CA(0.8)    0.0
                    (S)   65 O   37 CA(0.9)                0.0
                    (B)   58 O   38 CA(0.1)  26 CA(0.8)    0.0
                    (S)   66 O   38 CA(0.9)                0.0
                    (B)   59 O   39 CA(0.1)  27 CA(0.8)    0.0
                    (S)   67 O   39 CA(0.9)                0.0
                    (B)   60 O   40 CA(0.1)  28 CA(0.8)    0.0
                    (S)   68 O   40 CA(0.9)                0.0
119    253.9473  (B1U)
                    (S)   75 O   21 CA(0.7)  29 CA(0.3)    0.0
                    (S)   21 CA  83 O (0.6)   7 SI(0.4)    0.0
                    (S)   76 O   22 CA(0.7)  30 CA(0.3)    0.0
                    (S)   22 CA  84 O (0.6)   8 SI(0.4)    0.0
                    (S)   73 O   23 CA(0.7)  81 O (0.2)    0.0
                    (S)   23 CA  81 O (0.6)   5 SI(0.4)    0.0
                    (S)   74 O   24 CA(0.7)  32 CA(0.3)    0.0
                    (S)   24 CA  82 O (0.6)   6 SI(0.4)    0.0
                    (S)   71 O   25 CA(0.7)  79 O (0.2)    0.0
                    (S)   25 CA  79 O (0.6)   3 SI(0.4)    0.0
                    (S)   72 O   26 CA(0.7)  30 CA(0.3)    0.0
                    (S)   26 CA  80 O (0.6)   4 SI(0.4)    0.0
                    (S)   69 O   27 CA(0.7)  31 CA(0.3)    0.0
                    (S)   27 CA  77 O (0.6)   1 SI(0.4)    0.0
                    (S)   70 O   28 CA(0.7)  32 CA(0.3)    0.0
                    (S)   28 CA  78 O (0.6)   2 SI(0.4)    0.0
120    254.3529  (B3G)
                    (B)   93 O   49 CA(0.2)  20 SI(0.8)    0.0
                    (B)   96 O   49 CA(0.2)  20 SI(0.8)    0.0
                    (S)   49 CA 122 O (0.7)  44 CA(0.3)    0.0
                    (S)   49 CA 123 O (0.7)  41 CA(0.3)    0.0
                    (B)   94 O   50 CA(0.2)  19 SI(0.8)    0.0
                    (B)   95 O   50 CA(0.2)  94 O (0.8)    0.0
                    (S)   50 CA 121 O (0.7)  43 CA(0.3)    0.0
                    (S)   50 CA 124 O (0.7)  42 CA(0.3)    0.0
                    (B)   97 O   51 CA(0.2)  18 SI(0.8)    0.0
                    (B)  100 O   51 CA(0.2)  18 SI(0.8)    0.0
                    (S)   51 CA 118 O (0.7)  48 CA(0.3)    0.0
                    (S)   51 CA 119 O (0.7)  45 CA(0.3)    0.0
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                        (B)   98 O   52 CA(0.2)  17 SI(0.8)    0.0
                        (B)   99 O   52 CA(0.2)  17 SI(0.8)    0.0
                        (S)   52 CA 117 O (0.7)  47 CA(0.3)    0.0
                        (S)   52 CA 120 O (0.7)  46 CA(0.3)    0.0
121    256.8391  (B2U)
                        (B)    1 SI  29 CA(0.0)  21 CA(1.0)    0.0
                        (B)    2 SI  30 CA(0.0)  22 CA(1.0)    0.0
                        (B)    4 SI  32 CA(0.0)  28 CA(1.0)    0.0
                        (B)    6 SI  30 CA(0.0)  26 CA(1.0)    0.0
                        (B)    7 SI  31 CA(0.0)  27 CA(1.0)    0.0
                        (B)    8 SI  32 CA(0.0)  24 CA(1.0)    0.0
                        (S)   29 CA  21 CA(0.7)  85 O (0.3)    0.0
                        (B)   29 CA  21 CA(0.1)  67 O (0.7)    0.0
                        (S)   30 CA  22 CA(0.7)  86 O (0.3)    0.0
                        (B)   30 CA  22 CA(0.1)  74 O (0.8)    0.0
                        (S)   32 CA  24 CA(0.7)  88 O (0.3)    0.0
                        (B)   32 CA  24 CA(0.1)  76 O (0.8)    0.0
                        (B)   30 CA  26 CA(0.1)  70 O (0.8)    0.0
                        (S)   30 CA  26 CA(0.7)  90 O (0.3)    0.0
                        (S)   31 CA  27 CA(0.7)  91 O (0.3)    0.0
                        (B)   31 CA  27 CA(0.1)  61 O (0.7)    0.0
                        (S)   32 CA  28 CA(0.7)  92 O (0.3)    0.0
                        (B)   32 CA  28 CA(0.1)  72 O (0.8)    0.0
122    257.1428  (B3G)
                        (S)   47 CA   9 SI(0.9)                0.0
                        (S)   48 CA  10 SI(0.9)                0.0
                        (S)   45 CA  11 SI(0.9)                0.0
                        (S)   46 CA  12 SI(0.9)                0.0
                        (S)   43 CA  13 SI(0.9)                0.0
                        (S)   44 CA  14 SI(0.9)                0.0
                        (S)   41 CA  15 SI(0.9)                0.0
                        (S)   42 CA  16 SI(0.9)                0.0
                        (S)   91 O   41 CA(0.6)  61 O (0.3)    0.0
                        (B)  115 O   41 CA(0.0)  33 CA(1.0)    0.0
                        (S)   92 O   42 CA(0.6)  62 O (0.3)    0.0
                        (B)  116 O   42 CA(0.0)  34 CA(1.0)    0.0
                        (S)   89 O   43 CA(0.6)  63 O (0.3)    0.0
                        (B)  113 O   43 CA(0.0)  35 CA(1.0)    0.0
                        (S)   90 O   44 CA(0.6)  64 O (0.3)    0.0
                        (B)  114 O   44 CA(0.0)  36 CA(1.0)    0.0
                        (S)   87 O   45 CA(0.6)  65 O (0.3)    0.0
                        (B)  111 O   45 CA(0.0)  37 CA(1.0)    0.0
                        (S)   88 O   46 CA(0.6)  66 O (0.3)    0.0
                        (B)  112 O   46 CA(0.0)  38 CA(1.0)    0.0
                        (S)   85 O   47 CA(0.6)  67 O (0.3)    0.0
                        (B)  109 O   47 CA(0.0)  39 CA(1.0)    0.0
                        (S)   86 O   48 CA(0.6)  68 O (0.3)    0.0
                        (B)  110 O   48 CA(0.0)  40 CA(1.0)    0.0
123    258.4697  (B2U)
                        (B)   21 CA  85 O (0.5)   9 SI(0.5)    0.0
                        (B)   22 CA  86 O (0.5)  10 SI(0.5)    0.0
                        (B)   23 CA  87 O (0.5)  11 SI(0.5)    0.0
                        (B)   24 CA  88 O (0.5)  12 SI(0.5)    0.0
                        (B)   25 CA  89 O (0.5)  13 SI(0.5)    0.0
                        (B)   26 CA  90 O (0.5)  14 SI(0.5)    0.0
                        (B)   27 CA  91 O (0.5)  15 SI(0.5)    0.0
                        (B)   28 CA  92 O (0.5)  16 SI(0.5)    0.0
                        (O)   77 O   29 CA(0.0)  21 CA(0.7)    0.0
                        (O)   78 O   30 CA(0.0)  22 CA(0.7)    0.0
                        (O)   82 O   30 CA(0.0)  22 CA(0.7)    0.0
                        (O)   83 O   31 CA(0.0)  27 CA(0.7)    0.0
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                        (O)   80 O   32 CA(0.0)  24 CA(0.7)    0.0
                        (O)   84 O   32 CA(0.0)  24 CA(0.7)    0.0
                        (B)   33 CA  85 O (0.2)  47 CA(0.8)    0.0
                        (B)   34 CA  86 O (0.2)  48 CA(0.8)    0.0
                        (B)   87 O   35 CA(0.2)  45 CA(0.8)    0.0
                        (B)   88 O   36 CA(0.2)  46 CA(0.8)    0.0
                        (B)   37 CA  89 O (0.2)  43 CA(0.8)    0.0
                        (B)   38 CA  90 O (0.2)  44 CA(0.8)    0.0
                        (B)   39 CA  91 O (0.2)  41 CA(0.8)    0.0
                        (B)   40 CA  92 O (0.2)  42 CA(0.8)    0.0
                        (S)   91 O   41 CA(0.6)  39 CA(0.3)    0.0
                        (B)   41 CA 115 O (0.0)  52 CA(1.0)    0.0
                        (S)   92 O   42 CA(0.6)  40 CA(0.3)    0.0
                        (B)  116 O   42 CA(0.0)  51 CA(1.0)    0.0
                        (S)   89 O   43 CA(0.6)  37 CA(0.3)    0.0
                        (B)  113 O   43 CA(0.0)  51 CA(1.0)    0.0
                        (S)   90 O   44 CA(0.6)  38 CA(0.3)    0.0
                        (B)  114 O   44 CA(0.0)  52 CA(1.0)    0.0
                        (S)   87 O   45 CA(0.6)  35 CA(0.3)    0.0
                        (B)  111 O   45 CA(0.0)  50 CA(1.0)    0.0
                        (S)   46 CA  88 O (0.6)  36 CA(0.3)    0.0
                        (B)  112 O   46 CA(0.0)  49 CA(1.0)    0.0
                        (S)   85 O   47 CA(0.6)  33 CA(0.3)    0.0
                        (B)  109 O   47 CA(0.0)  49 CA(1.0)    0.0
                        (S)   86 O   48 CA(0.6)  34 CA(0.3)    0.0
                        (B)  110 O   48 CA(0.0)  50 CA(1.0)    0.0
124    259.1800  (AU )
                        (S)   91 O   41 CA(0.8)  61 O (0.2)    0.0
                        (B)  115 O   41 CA(0.0) 107 O (1.0)    0.0
                        (S)   92 O   42 CA(0.8)  62 O (0.2)    0.0
                        (B)  116 O   42 CA(0.0) 108 O (1.0)    0.0
                        (S)   89 O   43 CA(0.8)  63 O (0.2)    0.0
                        (B)  113 O   43 CA(0.0) 105 O (1.0)    0.0
                        (S)   90 O   44 CA(0.8)  64 O (0.2)    0.0
                        (B)  114 O   44 CA(0.0) 106 O (1.0)    0.0
                        (S)   87 O   45 CA(0.8)  65 O (0.2)    0.0
                        (B)  111 O   45 CA(0.0) 103 O (1.0)    0.0
                        (S)   88 O   46 CA(0.8)  66 O (0.2)    0.0
                        (B)  112 O   46 CA(0.0) 104 O (1.0)    0.0
                        (S)   85 O   47 CA(0.8)  67 O (0.2)    0.0
                        (B)  109 O   47 CA(0.0) 101 O (1.0)    0.0
                        (S)   86 O   48 CA(0.8)  68 O (0.2)    0.0
                        (B)  110 O   48 CA(0.0) 102 O (1.0)    0.0
125    259.2128  (B3U)
                        (B)  109 O   49 CA(0.1)  20 SI(0.9)    0.0
                        (B)  112 O   49 CA(0.1)  20 SI(0.9)    0.0
                        (B)  110 O   50 CA(0.1)  19 SI(0.9)    0.0
                        (B)  111 O   50 CA(0.1)  19 SI(0.9)    0.0
                        (B)  113 O   51 CA(0.1) 116 O (0.9)    0.0
                        (B)  116 O   51 CA(0.1)  18 SI(0.9)    0.0
                        (B)  114 O   52 CA(0.1)  17 SI(0.9)    0.0
                        (B)  115 O   52 CA(0.1)  17 SI(0.9)    0.0
126    259.5126  (AG )
                        (S)   21 CA  83 O (0.5)   7 SI(0.5)    0.0
                        (S)   22 CA  84 O (0.5)   8 SI(0.5)    0.0
                        (S)   23 CA  81 O (0.5)   5 SI(0.5)    0.0
                        (S)   24 CA  82 O (0.5)   6 SI(0.5)    0.0
                        (S)   25 CA  79 O (0.5)   3 SI(0.5)    0.0
                        (S)   26 CA  80 O (0.5)   4 SI(0.5)    0.0
                        (S)   27 CA  77 O (0.5)   1 SI(0.5)    0.0
                        (S)   28 CA  78 O (0.5)   2 SI(0.5)    0.0
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127    260.6872  (AG )
                       (S)  101 O   49 CA(0.6)  20 SI(0.4)    0.0
                       (S)  104 O   49 CA(0.6) 101 O (0.4)    0.0
                       (B)  109 O   49 CA(0.3) 123 O (0.7)    0.0
                       (B)  112 O   49 CA(0.3) 122 O (0.7)    0.0
                       (S)  102 O   50 CA(0.6) 103 O (0.4)    0.0
                       (S)  103 O   50 CA(0.6)  19 SI(0.4)    0.0
                       (B)  110 O   50 CA(0.3) 124 O (0.7)    0.0
                       (B)  111 O   50 CA(0.3) 121 O (0.7)    0.0
                       (S)  105 O   51 CA(0.6) 108 O (0.4)    0.0
                       (S)  108 O   51 CA(0.6)  18 SI(0.4)    0.0
                       (B)  113 O   51 CA(0.3) 119 O (0.7)    0.0
                       (B)  116 O   51 CA(0.3) 118 O (0.7)    0.0
                       (S)  106 O   52 CA(0.6)  17 SI(0.4)    0.0
                       (S)  107 O   52 CA(0.6) 106 O (0.4)    0.0
                       (B)  114 O   52 CA(0.3) 120 O (0.7)    0.0
                       (B)  115 O   52 CA(0.3) 117 O (0.7)    0.0
128    260.9631  (B1G)
                       (S)   91 O   41 CA(0.6)  39 CA(0.4)    0.0
                       (B)  115 O   41 CA(0.1)  52 CA(0.9)    0.0
                       (S)   92 O   42 CA(0.6)  40 CA(0.4)    0.0
                       (B)  116 O   42 CA(0.1)  51 CA(0.9)    0.0
                       (S)   89 O   43 CA(0.6)  37 CA(0.4)    0.0
                       (B)  113 O   43 CA(0.1)  51 CA(0.9)    0.0
                       (S)   90 O   44 CA(0.6)  38 CA(0.4)    0.0
                       (B)  114 O   44 CA(0.1)  52 CA(0.9)    0.0
                       (S)   87 O   45 CA(0.6)  35 CA(0.4)    0.0
                       (B)  111 O   45 CA(0.1)  50 CA(0.9)    0.0
                       (S)   46 CA  88 O (0.6)  36 CA(0.4)    0.0
                       (B)  112 O   46 CA(0.1)  49 CA(0.9)    0.0
                       (S)   85 O   47 CA(0.6)  33 CA(0.4)    0.0
                       (B)  109 O   47 CA(0.1)  49 CA(0.9)    0.0
                       (S)   86 O   48 CA(0.6)  34 CA(0.4)    0.0
                       (B)  110 O   48 CA(0.1)  50 CA(0.9)    0.0
129    262.0626  (B3G)
                       (B)   83 O   21 CA(0.0)  33 CA(0.9)    0.0
                       (B)   84 O   22 CA(0.0)  34 CA(0.9)    0.0
                       (B)   81 O   23 CA(0.0)  35 CA(0.9)    0.0
                       (B)   82 O   24 CA(0.0)  36 CA(0.9)    0.0
                       (B)   79 O   25 CA(0.0)  37 CA(0.9)    0.0
                       (B)   80 O   26 CA(0.0)  38 CA(0.9)    0.0
                       (B)   77 O   27 CA(0.0)  39 CA(0.9)    0.0
                       (B)   78 O   28 CA(0.0)  40 CA(0.9)    0.0
                       (B)   77 O   33 CA(0.3) 109 O (0.6)    0.0
                       (B)   78 O   34 CA(0.3) 110 O (0.6)    0.0
                       (B)   79 O   35 CA(0.3) 111 O (0.6)    0.0
                       (B)   80 O   36 CA(0.3) 112 O (0.6)    0.0
                       (B)   81 O   37 CA(0.3) 113 O (0.6)    0.0
                       (B)   82 O   38 CA(0.3) 114 O (0.6)    0.0
                       (B)   83 O   39 CA(0.3) 115 O (0.6)    0.0
                       (B)   84 O   40 CA(0.3) 116 O (0.6)    0.0
130    262.1866  (B1U)
                       (B)   29 CA  69 O (0.2)  27 CA(0.8)    0.0
                       (B)   70 O   30 CA(0.2)  24 CA(0.8)    0.0
                       (B)   74 O   30 CA(0.2)  24 CA(0.8)    0.0
                       (B)   75 O   31 CA(0.2)  21 CA(0.8)    0.0
                       (B)   72 O   32 CA(0.2)  22 CA(0.8)    0.0
                       (B)   32 CA  76 O (0.2)  22 CA(0.8)    0.0
131    264.2043  (B3U)
                       (B)  115 O   41 CA(0.3) 107 O (0.7)    0.0
                       (B)  123 O   41 CA(0.0) 107 O (1.0)    0.0
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                        (B)  116 O   42 CA(0.3) 108 O (0.7)    0.0
                        (B)  124 O   42 CA(0.0) 108 O (1.0)    0.0
                        (B)  113 O   43 CA(0.3) 105 O (0.7)    0.0
                        (B)  121 O   43 CA(0.0) 105 O (1.0)    0.0
                        (B)  114 O   44 CA(0.3) 106 O (0.7)    0.0
                        (B)  122 O   44 CA(0.0) 106 O (1.0)    0.0
                        (B)  111 O   45 CA(0.3) 103 O (0.7)    0.0
                        (B)  119 O   45 CA(0.0) 103 O (1.0)    0.0
                        (B)  112 O   46 CA(0.3) 104 O (0.7)    0.0
                        (B)  120 O   46 CA(0.0) 104 O (1.0)    0.0
                        (B)  109 O   47 CA(0.3) 101 O (0.7)    0.0
                        (B)  117 O   47 CA(0.0) 101 O (1.0)    0.0
                        (B)  110 O   48 CA(0.3) 102 O (0.7)    0.0
                        (B)  118 O   48 CA(0.0) 102 O (1.0)    0.0
132    265.7857  (B2G)
                        (B)   21 CA  83 O (0.2)   7 SI(0.8)    0.0
                        (B)   74 O   22 CA(0.2)  30 CA(0.8)    0.0
                        (B)   22 CA  84 O (0.2)   8 SI(0.8)    0.0
                        (B)   23 CA  81 O (0.2)   5 SI(0.8)    0.0
                        (B)   24 CA  76 O (0.2)  32 CA(0.8)    0.0
                        (B)   24 CA  82 O (0.2)   6 SI(0.8)    0.0
                        (B)   25 CA  79 O (0.2)   3 SI(0.8)    0.0
                        (B)   70 O   26 CA(0.2)  30 CA(0.8)    0.0
                        (B)   26 CA  80 O (0.2)   4 SI(0.8)    0.0
                        (B)   27 CA  77 O (0.2)   1 SI(0.8)    0.0
                        (B)   72 O   28 CA(0.2)  32 CA(0.8)    0.0
                        (B)   28 CA  78 O (0.2)   2 SI(0.8)    0.0
133    267.0712  (AG )
                        (B)   49 CA  93 O (0.1)   9 SI(0.9)    0.0
                        (B)   49 CA  96 O (0.1)  12 SI(0.9)    0.0
                        (S)  101 O   49 CA(0.5)  20 SI(0.5)    0.0
                        (S)  104 O   49 CA(0.5)  20 SI(0.5)    0.0
                        (B)   50 CA  94 O (0.1)  10 SI(0.9)    0.0
                        (B)   50 CA  95 O (0.1)  11 SI(0.9)    0.0
                        (S)  102 O   50 CA(0.5) 103 O (0.5)    0.0
                        (S)  103 O   50 CA(0.5)  19 SI(0.5)    0.0
                        (B)   51 CA  97 O (0.1)  13 SI(0.9)    0.0
                        (B)   51 CA 100 O (0.1)  16 SI(0.9)    0.0
                        (S)  105 O   51 CA(0.5) 108 O (0.5)    0.0
                        (S)  108 O   51 CA(0.5)  18 SI(0.5)    0.0
                        (B)   52 CA  98 O (0.1)  14 SI(0.9)    0.0
                        (B)   52 CA  99 O (0.1)  15 SI(0.9)    0.0
                        (S)  106 O   52 CA(0.5) 107 O (0.5)    0.0
                        (S)  107 O   52 CA(0.5)  17 SI(0.5)    0.0
134    267.8659  (AU )
                        (S)   77 O   29 CA(0.6)  21 CA(0.3)    0.0
                        (S)   78 O   30 CA(0.6)  22 CA(0.3)    0.0
                        (S)   82 O   30 CA(0.6)  22 CA(0.3)    0.0
                        (S)   83 O   31 CA(0.6)  27 CA(0.3)    0.0
                        (S)   80 O   32 CA(0.6)  24 CA(0.3)    0.0
                        (S)   84 O   32 CA(0.6)  24 CA(0.3)    0.0
                        (S)   41 CA  52 CA(0.8)  98 O (0.2)    0.0
                        (S)   42 CA  51 CA(0.8)  97 O (0.2)    0.0
                        (S)   43 CA  51 CA(0.8) 100 O (0.2)    0.0
                        (S)   44 CA  52 CA(0.8)  99 O (0.2)    0.0
                        (S)   45 CA  50 CA(0.8)  94 O (0.2)    0.0
                        (S)   46 CA  49 CA(0.8)  93 O (0.2)    0.0
                        (S)   47 CA  49 CA(0.8)  96 O (0.2)    0.0
                        (S)   48 CA  50 CA(0.8)  95 O (0.2)    0.0
135    268.5527  (B1G)
                        (B)   75 O   21 CA(0.0)  33 CA(0.9)    0.0
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                        (B)   83 O   21 CA(0.2)  33 CA(0.8)    0.0
                        (B)   76 O   22 CA(0.0)  34 CA(0.9)    0.0
                        (B)   84 O   22 CA(0.2)  34 CA(0.8)    0.0
                        (B)   73 O   23 CA(0.0)  35 CA(0.9)    0.0
                        (B)   81 O   23 CA(0.2)  35 CA(0.8)    0.0
                        (B)   74 O   24 CA(0.0)  36 CA(0.9)    0.0
                        (B)   82 O   24 CA(0.2)  36 CA(0.8)    0.0
                        (B)   71 O   25 CA(0.0)  37 CA(0.9)    0.0
                        (B)   79 O   25 CA(0.2)  37 CA(0.8)    0.0
                        (B)   72 O   26 CA(0.0)  38 CA(0.9)    0.0
                        (B)   80 O   26 CA(0.2)  38 CA(0.8)    0.0
                        (B)   69 O   27 CA(0.0)  39 CA(0.9)    0.0
                        (B)   77 O   27 CA(0.2)  39 CA(0.8)    0.0
                        (B)   70 O   28 CA(0.0)  40 CA(0.9)    0.0
                        (B)   78 O   28 CA(0.2)  40 CA(0.8)    0.0
136    269.4481  (B1U)
                        (S)   67 O   21 CA(0.6)  29 CA(0.4)    0.0
                        (S)   21 CA  83 O (0.6)  39 CA(0.4)    0.0
                        (S)   68 O   22 CA(0.6)  30 CA(0.4)    0.0
                        (S)   84 O   22 CA(0.6)  40 CA(0.4)    0.0
                        (S)   65 O   23 CA(0.6)  37 CA(0.4)    0.0
                        (S)   23 CA  81 O (0.6)  37 CA(0.4)    0.0
                        (S)   66 O   24 CA(0.6)  32 CA(0.4)    0.0
                        (S)   24 CA  82 O (0.6)  38 CA(0.4)    0.0
                        (S)   63 O   25 CA(0.6)  35 CA(0.4)    0.0
                        (S)   79 O   25 CA(0.6)  35 CA(0.4)    0.0
                        (S)   64 O   26 CA(0.6)  30 CA(0.4)    0.0
                        (S)   80 O   26 CA(0.6)  36 CA(0.4)    0.0
                        (S)   61 O   27 CA(0.6)  31 CA(0.4)    0.0
                        (S)   27 CA  77 O (0.6)  33 CA(0.4)    0.0
                        (S)   62 O   28 CA(0.6)  32 CA(0.4)    0.0
                        (S)   28 CA  78 O (0.6)  34 CA(0.4)    0.0
137    270.1739  (B2U)
                        (S)  107 O   41 CA(0.5) 123 O (0.5)    0.0
                        (S)  108 O   42 CA(0.5) 124 O (0.5)    0.0
                        (S)  105 O   43 CA(0.5) 121 O (0.5)    0.0
                        (S)  106 O   44 CA(0.5) 122 O (0.5)    0.0
                        (S)  103 O   45 CA(0.5) 119 O (0.5)    0.0
                        (S)  104 O   46 CA(0.5) 120 O (0.5)    0.0
                        (S)  101 O   47 CA(0.5) 117 O (0.5)    0.0
                        (S)  102 O   48 CA(0.5) 118 O (0.5)    0.0
138    270.4445  (AG )
                        (S)   91 O   41 CA(0.8) 123 O (0.2)    0.0
                        (S)   92 O   42 CA(0.8) 124 O (0.2)    0.0
                        (S)   89 O   43 CA(0.8) 121 O (0.2)    0.0
                        (S)   90 O   44 CA(0.8) 122 O (0.2)    0.0
                        (S)   87 O   45 CA(0.8) 119 O (0.2)    0.0
                        (S)   88 O   46 CA(0.8) 120 O (0.2)    0.0
                        (S)   85 O   47 CA(0.8) 117 O (0.2)    0.0
                        (S)   86 O   48 CA(0.8) 118 O (0.2)    0.0
139    271.5353  (B3U)
                        (S)   21 CA  67 O (0.7)  39 CA(0.3)    0.0
                        (S)   83 O   21 CA(0.5)  29 CA(0.4)    0.0
                        (S)   22 CA  68 O (0.7)  40 CA(0.3)    0.0
                        (S)   84 O   22 CA(0.5)  30 CA(0.4)    0.0
                        (S)   65 O   23 CA(0.7)  37 CA(0.3)    0.0
                        (S)   81 O   23 CA(0.5)  65 O (0.4)    0.0
                        (S)   66 O   24 CA(0.7)  38 CA(0.3)    0.0
                        (S)   82 O   24 CA(0.5)  32 CA(0.4)    0.0
                        (S)   63 O   25 CA(0.7)  35 CA(0.3)    0.0
                        (S)   79 O   25 CA(0.5)  63 O (0.4)    0.0
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                        (S)   64 O   26 CA(0.7)  36 CA(0.3)    0.0
                        (S)   80 O   26 CA(0.5)  30 CA(0.4)    0.0
                        (S)   27 CA  61 O (0.7)  33 CA(0.3)    0.0
                        (S)   77 O   27 CA(0.5)  31 CA(0.4)    0.0
                        (S)   62 O   28 CA(0.7)  34 CA(0.3)    0.0
                        (S)   78 O   28 CA(0.5)  32 CA(0.4)    0.0
140    273.6093  (B1U)
                        (B)   29 CA  53 O (0.0)  33 CA(0.9)    0.0
                        (B)   54 O   30 CA(0.0)  34 CA(0.9)    0.0
                        (B)   58 O   30 CA(0.0)  34 CA(0.9)    0.0
                        (B)   31 CA  59 O (0.0)  39 CA(0.9)    0.0
                        (B)   32 CA  56 O (0.0)  36 CA(0.9)    0.0
                        (B)   60 O   32 CA(0.0)  36 CA(0.9)    0.0
141    274.2374  (B1G)
                        (S)    1 SI  27 CA(0.8)  91 O (0.2)    0.0
                        (S)    2 SI  28 CA(0.8)  92 O (0.2)    0.0
                        (S)    3 SI  25 CA(0.8)  89 O (0.2)    0.0
                        (S)    4 SI  26 CA(0.8)  90 O (0.2)    0.0
                        (S)    5 SI  23 CA(0.8)  87 O (0.2)    0.0
                        (S)    6 SI  24 CA(0.8)  88 O (0.2)    0.0
                        (S)    7 SI  21 CA(0.8)  85 O (0.2)    0.0
                        (S)    8 SI  22 CA(0.8)  86 O (0.2)    0.0
                        (B)   67 O   21 CA(0.4)  85 O (0.5)    0.0
                        (B)   83 O   21 CA(0.0)   7 SI(0.9)    0.0
                        (B)   68 O   22 CA(0.4)  86 O (0.5)    0.0
                        (B)   84 O   22 CA(0.0)   8 SI(0.9)    0.0
                        (B)   65 O   23 CA(0.4)  87 O (0.5)    0.0
                        (B)   81 O   23 CA(0.0)   5 SI(0.9)    0.0
                        (B)   66 O   24 CA(0.4)  88 O (0.5)    0.0
                        (B)   82 O   24 CA(0.0)   6 SI(0.9)    0.0
                        (B)   63 O   25 CA(0.4)  89 O (0.5)    0.0
                        (B)   79 O   25 CA(0.0)   3 SI(0.9)    0.0
                        (B)   64 O   26 CA(0.4)  90 O (0.5)    0.0
                        (B)   80 O   26 CA(0.0)   4 SI(0.9)    0.0
                        (B)   61 O   27 CA(0.4)  91 O (0.5)    0.0
                        (B)   77 O   27 CA(0.0)   1 SI(0.9)    0.0
                        (B)   62 O   28 CA(0.4)  92 O (0.5)    0.0
                        (B)   78 O   28 CA(0.0)   2 SI(0.9)    0.0
                        (B)   61 O   33 CA(0.0)  41 CA(0.9)    0.0
                        (B)   77 O   33 CA(0.4)  29 CA(0.6)    0.0
                        (B)   62 O   34 CA(0.0)  42 CA(0.9)    0.0
                        (B)   78 O   34 CA(0.4)  30 CA(0.6)    0.0
                        (B)   63 O   35 CA(0.0)  43 CA(0.9)    0.0
                        (B)   79 O   35 CA(0.4)  43 CA(0.6)    0.0
                        (B)   64 O   36 CA(0.0)  44 CA(0.9)    0.0
                        (B)   80 O   36 CA(0.4)  32 CA(0.6)    0.0
                        (B)   65 O   37 CA(0.0)  45 CA(0.9)    0.0
                        (B)   81 O   37 CA(0.4)  45 CA(0.6)    0.0
                        (B)   66 O   38 CA(0.0)  46 CA(0.9)    0.0
                        (B)   38 CA  82 O (0.4)  30 CA(0.6)    0.0
                        (B)   67 O   39 CA(0.0)  47 CA(0.9)    0.0
                        (B)   83 O   39 CA(0.4)  31 CA(0.6)    0.0
                        (B)   68 O   40 CA(0.0)  48 CA(0.9)    0.0
                        (B)   84 O   40 CA(0.4)  32 CA(0.6)    0.0
                        (B)   41 CA  61 O (0.0)   1 SI(1.0)    0.0
                        (B)   42 CA  62 O (0.0)   2 SI(1.0)    0.0
                        (B)   43 CA  63 O (0.0)   3 SI(1.0)    0.0
                        (B)   44 CA  64 O (0.0)   4 SI(1.0)    0.0
                        (B)   45 CA  65 O (0.0)   5 SI(1.0)    0.0
                        (B)   46 CA  66 O (0.0)   6 SI(1.0)    0.0
                        (B)   47 CA  67 O (0.0)   7 SI(1.0)    0.0
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                        (B)   48 CA  68 O (0.0)   8 SI(1.0)    0.0
142    275.1178  (B2U)
                        (B)   29 CA  53 O (0.2)  33 CA(0.7)    0.0
                        (B)   54 O   30 CA(0.2)  34 CA(0.7)    0.0
                        (B)   58 O   30 CA(0.2)  34 CA(0.7)    0.0
                        (B)   31 CA  59 O (0.2)  39 CA(0.7)    0.0
                        (B)   32 CA  56 O (0.2)  36 CA(0.7)    0.0
                        (B)   32 CA  60 O (0.2)  40 CA(0.7)    0.0
                        (S)   53 O   33 CA(1.0)                0.0
                        (S)   54 O   34 CA(1.0)                0.0
                        (S)   55 O   35 CA(1.0)                0.0
                        (S)   56 O   36 CA(1.0)                0.0
                        (S)   57 O   37 CA(1.0)                0.0
                        (S)   58 O   38 CA(1.0)                0.0
                        (S)   59 O   39 CA(1.0)                0.0
                        (S)   60 O   40 CA(1.0)                0.0
143    275.2436  (B3G)
                        (B)   75 O   21 CA(0.4)  33 CA(0.6)    0.0
                        (B)   76 O   22 CA(0.4)  34 CA(0.6)    0.0
                        (B)   73 O   23 CA(0.4)  35 CA(0.6)    0.0
                        (B)   74 O   24 CA(0.4)  36 CA(0.6)    0.0
                        (B)   71 O   25 CA(0.4)  37 CA(0.6)    0.0
                        (B)   72 O   26 CA(0.4)  38 CA(0.6)    0.0
                        (B)   69 O   27 CA(0.4)  39 CA(0.6)    0.0
                        (B)   70 O   28 CA(0.4)  40 CA(0.6)    0.0
144    275.2454  (AU )
                        (S)   67 O   21 CA(0.8)  31 CA(0.2)    0.0
                        (S)   68 O   22 CA(0.8)  32 CA(0.2)    0.0
                        (S)   23 CA  65 O (0.8)  45 CA(0.2)    0.0
                        (S)   66 O   24 CA(0.8)  30 CA(0.2)    0.0
                        (S)   25 CA  63 O (0.8)  43 CA(0.2)    0.0
                        (S)   64 O   26 CA(0.8)  32 CA(0.2)    0.0
                        (S)   61 O   27 CA(0.8)  29 CA(0.2)    0.0
                        (S)   62 O   28 CA(0.8)  30 CA(0.2)    0.0
145    277.9749  (B1U)
                        (B)   85 O   21 CA(0.5)  67 O (0.5)    0.0
                        (B)   86 O   22 CA(0.5)  74 O (0.5)    0.0
                        (B)   87 O   23 CA(0.5)  65 O (0.5)    0.0
                        (B)   88 O   24 CA(0.5)  76 O (0.5)    0.0
                        (B)   89 O   25 CA(0.5)  63 O (0.5)    0.0
                        (B)   90 O   26 CA(0.5)  70 O (0.5)    0.0
                        (B)   91 O   27 CA(0.5)  61 O (0.5)    0.0
                        (B)   92 O   28 CA(0.5)  72 O (0.5)    0.0
                        (S)   85 O   33 CA(1.0)                0.0
                        (B)  109 O   33 CA(0.1)  29 CA(0.9)    0.0
                        (S)   86 O   34 CA(1.0)                0.0
                        (B)  110 O   34 CA(0.1)  30 CA(0.9)    0.0
                        (S)   87 O   35 CA(1.0)                0.0
                        (B)  111 O   35 CA(0.1)  23 CA(0.9)    0.0
                        (S)   88 O   36 CA(1.0)                0.0
                        (B)  112 O   36 CA(0.1)  32 CA(0.9)    0.0
                        (S)   89 O   37 CA(1.0)                0.0
                        (B)  113 O   37 CA(0.1)  25 CA(0.9)    0.0
                        (S)   90 O   38 CA(1.0)                0.0
                        (B)  114 O   38 CA(0.1)  30 CA(0.9)    0.0
                        (S)   91 O   39 CA(1.0)                0.0
                        (B)  115 O   39 CA(0.1)  31 CA(0.9)    0.0
                        (S)   92 O   40 CA(1.0)                0.0
                        (B)  116 O   40 CA(0.1)  32 CA(0.9)    0.0
                        (B)   41 CA 115 O (0.4)  52 CA(0.6)    0.0
                        (B)  116 O   42 CA(0.4)  51 CA(0.6)    0.0
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                        (B)  113 O   43 CA(0.4)  51 CA(0.6)    0.0
                        (B)  114 O   44 CA(0.4)  52 CA(0.6)    0.0
                        (B)  111 O   45 CA(0.4)  50 CA(0.6)    0.0
                        (B)  112 O   46 CA(0.4)  49 CA(0.6)    0.0
                        (B)  109 O   47 CA(0.4)  49 CA(0.6)    0.0
                        (B)  110 O   48 CA(0.4)  50 CA(0.6)    0.0
                        (B)   93 O   49 CA(0.0)  33 CA(1.0)    0.0
                        (B)   96 O   49 CA(0.0)  36 CA(1.0)    0.0
                        (B)   94 O   50 CA(0.0)  34 CA(1.0)    0.0
                        (B)   50 CA  95 O (0.0)  35 CA(1.0)    0.0
                        (B)   97 O   51 CA(0.0)  37 CA(1.0)    0.0
                        (B)   51 CA 100 O (0.0)  40 CA(1.0)    0.0
                        (B)   98 O   52 CA(0.0)  38 CA(1.0)    0.0
                        (B)   99 O   52 CA(0.0)  39 CA(1.0)    0.0
146    278.4554  (B2G)
                        (S)  107 O   41 CA(0.9)                0.0
                        (S)  108 O   42 CA(0.9)                0.0
                        (S)  105 O   43 CA(0.9)                0.0
                        (S)  106 O   44 CA(0.9)                0.0
                        (S)  103 O   45 CA(0.9)                0.0
                        (S)  104 O   46 CA(0.9)                0.0
                        (S)  101 O   47 CA(0.9)                0.0
                        (S)  102 O   48 CA(0.9)                0.0
147    279.6911  (B3U)
                        (B)   29 CA  53 O (0.0)  33 CA(1.0)    0.0
                        (B)   54 O   30 CA(0.0)  34 CA(1.0)    0.0
                        (B)   58 O   30 CA(0.0)  34 CA(1.0)    0.0
                        (B)   31 CA  59 O (0.0)  39 CA(1.0)    0.0
                        (B)   56 O   32 CA(0.0)  36 CA(1.0)    0.0
                        (B)   32 CA  60 O (0.0)  40 CA(1.0)    0.0
148    280.2386  (AU )
                        (S)   29 CA  69 O (0.7)  27 CA(0.3)    0.0
                        (S)   70 O   30 CA(0.7)  24 CA(0.3)    0.0
                        (S)   74 O   30 CA(0.7)  28 CA(0.3)    0.0
                        (S)   31 CA  75 O (0.7)  21 CA(0.3)    0.0
                        (S)   72 O   32 CA(0.7)  26 CA(0.3)    0.0
                        (S)   32 CA  76 O (0.7)  22 CA(0.3)    0.0
149    281.6437  (B2G)
                        (B)    1 SI  33 CA(0.0)  49 CA(1.0)    0.0
                        (B)    2 SI  34 CA(0.0)  50 CA(1.0)    0.0
                        (B)    3 SI  35 CA(0.0)  50 CA(1.0)    0.0
                        (B)    4 SI  36 CA(0.0)  49 CA(1.0)    0.0
                        (B)    5 SI  37 CA(0.0)  51 CA(1.0)    0.0
                        (B)    6 SI  38 CA(0.0)  52 CA(1.0)    0.0
                        (B)    7 SI  39 CA(0.0)  52 CA(1.0)    0.0
                        (B)    8 SI  40 CA(0.0)  51 CA(1.0)    0.0
                        (S)   77 O   33 CA(0.9)                0.0
                        (B)   93 O   33 CA(0.3)  49 CA(0.7)    0.0
                        (S)   78 O   34 CA(0.9)                0.0
                        (B)   34 CA  94 O (0.3)  50 CA(0.7)    0.0
                        (S)   79 O   35 CA(0.9)                0.0
                        (B)   35 CA  95 O (0.3)  50 CA(0.7)    0.0
                        (S)   80 O   36 CA(0.9)                0.0
                        (B)   96 O   36 CA(0.3)  49 CA(0.7)    0.0
                        (S)   81 O   37 CA(0.9)                0.0
                        (B)   97 O   37 CA(0.3)  51 CA(0.7)    0.0
                        (S)   82 O   38 CA(0.9)                0.0
                        (B)   38 CA  98 O (0.3)  52 CA(0.7)    0.0
                        (S)   83 O   39 CA(0.9)                0.0
                        (B)   99 O   39 CA(0.3)  52 CA(0.7)    0.0
                        (S)   84 O   40 CA(0.9)                0.0
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                        (B)  100 O   40 CA(0.3)  51 CA(0.7)    0.0
150    282.4814  (B3U)
                        (S)   91 O   41 CA(0.8)  93 O (0.2)    0.0
                        (S)   92 O   42 CA(0.8)  94 O (0.2)    0.0
                        (S)   89 O   43 CA(0.8)  95 O (0.2)    0.0
                        (S)   90 O   44 CA(0.8)  96 O (0.2)    0.0
                        (S)   87 O   45 CA(0.8)  97 O (0.2)    0.0
                        (S)   88 O   46 CA(0.8)  98 O (0.2)    0.0
                        (S)   85 O   47 CA(0.8)  99 O (0.2)    0.0
                        (S)   86 O   48 CA(0.8) 100 O (0.2)    0.0
151    282.9221  (B3G)
                        (S)   21 CA  83 O (0.7)   7 SI(0.3)    0.0
                        (S)   22 CA  84 O (0.7)   8 SI(0.3)    0.0
                        (S)   23 CA  81 O (0.7)   5 SI(0.3)    0.0
                        (S)   24 CA  82 O (0.7)   6 SI(0.3)    0.0
                        (S)   25 CA  79 O (0.7)   3 SI(0.3)    0.0
                        (S)   26 CA  80 O (0.7)   4 SI(0.3)    0.0
                        (S)   27 CA  77 O (0.7)   1 SI(0.3)    0.0
                        (S)   28 CA  78 O (0.7)   2 SI(0.3)    0.0
                        (B)   33 CA  77 O (0.3)  27 CA(0.7)    0.0
                        (B)   34 CA  78 O (0.3)  28 CA(0.7)    0.0
                        (B)   79 O   35 CA(0.3)  25 CA(0.7)    0.0
                        (B)   80 O   36 CA(0.3)  26 CA(0.7)    0.0
                        (B)   37 CA  81 O (0.3)  23 CA(0.7)    0.0
                        (B)   38 CA  82 O (0.3)  24 CA(0.7)    0.0
                        (B)   39 CA  83 O (0.3)  21 CA(0.7)    0.0
                        (B)   84 O   40 CA(0.3)  22 CA(0.7)    0.0
152    284.2645  (B2G)
                        (B)   41 CA 115 O (0.5)  15 SI(0.5)    0.0
                        (B)   42 CA 116 O (0.5)  16 SI(0.5)   -0.1
                        (B)   43 CA 113 O (0.5)  13 SI(0.5)    0.0
                        (B)   44 CA 114 O (0.5)  14 SI(0.5)    0.0
                        (B)   45 CA 111 O (0.5)  11 SI(0.5)    0.0
                        (B)   46 CA 112 O (0.5)  12 SI(0.5)    0.0
                        (B)   47 CA 109 O (0.5)   9 SI(0.5)    0.0
                        (B)   48 CA 110 O (0.5)  10 SI(0.5)    0.0
153    284.6559  (B2U)
                        (B)   29 CA  69 O (0.4)  27 CA(0.5)    0.0
                        (B)   70 O   30 CA(0.4)  24 CA(0.5)    0.0
                        (B)   74 O   30 CA(0.4)  28 CA(0.5)    0.0
                        (B)   31 CA  75 O (0.4)  21 CA(0.5)    0.0
                        (B)   72 O   32 CA(0.4)  26 CA(0.5)    0.0
                        (B)   32 CA  76 O (0.4)  22 CA(0.5)    0.0
154    286.7923  (AG )
                        (B)   93 O   33 CA(0.3)  49 CA(0.7)    0.0
                        (B)   34 CA  94 O (0.3)  50 CA(0.7)    0.0
                        (B)   35 CA  95 O (0.3)  50 CA(0.7)    0.0
                        (B)   96 O   36 CA(0.3)  49 CA(0.7)    0.0
                        (B)   97 O   37 CA(0.3)  51 CA(0.7)    0.0
                        (B)   38 CA  98 O (0.3)  52 CA(0.7)    0.0
                        (B)   99 O   39 CA(0.3)  52 CA(0.7)    0.0
                        (B)  100 O   40 CA(0.3)  51 CA(0.7)    0.0
155    288.6802  (B1U)
                        (B)   29 CA  53 O (0.0)  33 CA(0.9)    0.0
                        (B)   54 O   30 CA(0.0)  34 CA(0.9)    0.0
                        (B)   58 O   30 CA(0.0)  34 CA(0.9)    0.0
                        (B)   31 CA  59 O (0.0)  39 CA(0.9)    0.0
                        (B)   56 O   32 CA(0.0)  36 CA(0.9)    0.0
                        (B)   32 CA  60 O (0.0)  40 CA(0.9)    0.0
                        (S)  107 O   41 CA(0.6)  91 O (0.4)    0.0
                        (S)  108 O   42 CA(0.6)  92 O (0.4)    0.0
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                        (S)  105 O   43 CA(0.6)  89 O (0.4)    0.0
                        (S)  106 O   44 CA(0.6)  90 O (0.4)    0.0
                        (S)  103 O   45 CA(0.6)  87 O (0.4)    0.0
                        (S)  104 O   46 CA(0.6)  88 O (0.4)    0.0
                        (S)  101 O   47 CA(0.6)  85 O (0.4)    0.0
                        (S)  102 O   48 CA(0.6)  86 O (0.4)    0.0
156    289.3361  (AU )
                        (B)   69 O   29 CA(0.0)  77 O (1.0)    0.0
                        (B)   70 O   30 CA(0.0)  78 O (1.0)    0.0
                        (B)   74 O   30 CA(0.0)  82 O (1.0)    0.0
                        (B)   75 O   31 CA(0.0)  83 O (1.0)    0.0
                        (B)   72 O   32 CA(0.0)  84 O (1.0)    0.0
                        (B)   76 O   32 CA(0.0)  84 O (1.0)    0.0
                        (S)  115 O   41 CA(0.9)                0.0
                        (S)  116 O   42 CA(0.9)                0.0
                        (S)  113 O   43 CA(0.9)                0.0
                        (S)  114 O   44 CA(0.9)                0.0
                        (S)  111 O   45 CA(0.9)                0.0
                        (S)  112 O   46 CA(0.9)                0.0
                        (S)  109 O   47 CA(0.9)                0.0
                        (S)  110 O   48 CA(0.9)                0.0
157    290.1989  (B1G)
                        (S)   21 CA  83 O (0.7)   7 SI(0.3)    0.0
                        (S)   22 CA  84 O (0.7)   8 SI(0.3)    0.0
                        (S)   23 CA  81 O (0.7)   5 SI(0.3)    0.0
                        (S)   24 CA  82 O (0.7)   6 SI(0.3)    0.0
                        (S)   25 CA  79 O (0.7)   3 SI(0.3)    0.0
                        (S)   26 CA  80 O (0.7)   4 SI(0.3)    0.0
                        (S)   27 CA  77 O (0.7)   1 SI(0.3)    0.0
                        (S)   28 CA  78 O (0.7)   2 SI(0.3)    0.0
158    293.5089  (B3G)
                        (B)   83 O   21 CA(0.4)  85 O (0.6)    0.0
                        (B)   84 O   22 CA(0.4)  86 O (0.6)    0.0
                        (B)   81 O   23 CA(0.4)  87 O (0.6)    0.0
                        (B)   82 O   24 CA(0.4)  88 O (0.6)    0.0
                        (B)   79 O   25 CA(0.4)  89 O (0.6)    0.0
                        (B)   80 O   26 CA(0.4)  90 O (0.6)    0.0
                        (B)   77 O   27 CA(0.4)  91 O (0.6)    0.0
                        (B)   78 O   28 CA(0.4)  92 O (0.6)    0.0
                        (S)   91 O   41 CA(0.8) 107 O (0.2)    0.0
                        (S)   92 O   42 CA(0.8) 108 O (0.2)    0.0
                        (S)   89 O   43 CA(0.8) 105 O (0.2)    0.0
                        (S)   90 O   44 CA(0.8) 106 O (0.2)    0.0
                        (S)   87 O   45 CA(0.8) 103 O (0.2)    0.0
                        (S)   88 O   46 CA(0.8) 104 O (0.2)    0.0
                        (S)   85 O   47 CA(0.8) 101 O (0.2)    0.0
                        (S)   86 O   48 CA(0.8) 102 O (0.2)    0.0
159    296.9075  (B2U)
                        (B)   74 O   22 CA(0.0)  32 CA(1.0)    0.0
                        (B)   76 O   24 CA(0.0)  30 CA(1.0)    0.0
                        (B)   70 O   26 CA(0.0)  32 CA(1.0)    0.0
                        (B)   72 O   28 CA(0.0)  30 CA(1.0)    0.0
                        (B)   69 O   29 CA(0.3)  27 CA(0.6)    0.0
                        (B)   70 O   30 CA(0.3)  24 CA(0.6)    0.0
                        (B)   74 O   30 CA(0.3)  24 CA(0.6)    0.0
                        (B)   75 O   31 CA(0.3)  21 CA(0.6)    0.0
                        (B)   72 O   32 CA(0.3)  22 CA(0.6)    0.0
                        (B)   76 O   32 CA(0.3)  22 CA(0.6)    0.0
                        (B)   77 O   33 CA(0.4)  61 O (0.6)    0.0
                        (B)   78 O   34 CA(0.4)  62 O (0.6)    0.0
                        (B)   79 O   35 CA(0.4)  63 O (0.6)    0.0
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                    (B)   80 O   36 CA(0.4)  64 O (0.6)    0.0
                    (B)   81 O   37 CA(0.4)  65 O (0.6)    0.0
                    (B)   82 O   38 CA(0.4)  66 O (0.6)    0.0
                    (B)   83 O   39 CA(0.4)  67 O (0.6)    0.0
                    (B)   84 O   40 CA(0.4)  68 O (0.6)    0.0
                    (S)  115 O   41 CA(0.9)                0.0
                    (S)  116 O   42 CA(0.9)                0.0
                    (S)  113 O   43 CA(0.9)                0.0
                    (S)  114 O   44 CA(0.9)                0.0
                    (S)  111 O   45 CA(0.9)                0.0
                    (S)  112 O   46 CA(0.9)                0.0
                    (S)  109 O   47 CA(0.9)                0.0
                    (S)  110 O   48 CA(0.9)                0.0
160    299.2190  (AU )
                    (S)   85 O   21 CA(0.5)  39 CA(0.5)    0.0
                    (S)   86 O   22 CA(0.5)  40 CA(0.5)    0.0
                    (S)   87 O   23 CA(0.5)  37 CA(0.5)    0.0
                    (S)   88 O   24 CA(0.5)  38 CA(0.5)    0.0
                    (S)   89 O   25 CA(0.5)  35 CA(0.5)    0.0
                    (S)   90 O   26 CA(0.5)  36 CA(0.5)    0.0
                    (S)   91 O   27 CA(0.5)  33 CA(0.5)    0.0
                    (S)   92 O   28 CA(0.5)  34 CA(0.5)    0.0
                    (B)   33 CA  85 O (0.1)  47 CA(0.9)    0.0
                    (B)   34 CA  86 O (0.1)  48 CA(0.9)    0.0
                    (B)   35 CA  87 O (0.1)  45 CA(0.9)    0.0
                    (B)   36 CA  88 O (0.1)  46 CA(0.9)    0.0
                    (B)   37 CA  89 O (0.1)  43 CA(0.9)    0.0
                    (B)   38 CA  90 O (0.1)  44 CA(0.9)    0.0
                    (B)   39 CA  91 O (0.1)  41 CA(0.9)    0.0
                    (B)   40 CA  92 O (0.1)  42 CA(0.9)    0.0
                    (S)   91 O   41 CA(0.8)  61 O (0.2)    0.0
                    (S)   92 O   42 CA(0.8)  62 O (0.2)    0.0
                    (S)   89 O   43 CA(0.8)  63 O (0.2)    0.0
                    (S)   90 O   44 CA(0.8)  64 O (0.2)    0.0
                    (S)   87 O   45 CA(0.8)  65 O (0.2)    0.0
                    (S)   88 O   46 CA(0.8)  66 O (0.2)    0.0
                    (S)   85 O   47 CA(0.8)  67 O (0.2)    0.0
                    (S)   86 O   48 CA(0.8)  68 O (0.2)    0.0
161    300.4930  (AG )
                    (S)   53 O   21 CA(0.9)                0.0
                    (S)   67 O   21 CA(0.6)  53 O (0.4)    0.0
                    (B)   85 O   21 CA(0.3)  39 CA(0.7)    0.0
                    (S)   54 O   22 CA(0.9)                0.0
                    (S)   68 O   22 CA(0.6)  54 O (0.4)    0.0
                    (B)   86 O   22 CA(0.3)  40 CA(0.7)    0.0
                    (S)   55 O   23 CA(0.9)                0.0
                    (S)   65 O   23 CA(0.6)  55 O (0.4)    0.0
                    (B)   87 O   23 CA(0.3)  37 CA(0.7)    0.0
                    (S)   56 O   24 CA(0.9)                0.0
                    (S)   66 O   24 CA(0.6)  56 O (0.4)    0.0
                    (B)   88 O   24 CA(0.3)  38 CA(0.7)    0.0
                    (S)   57 O   25 CA(0.9)                0.0
                    (S)   63 O   25 CA(0.6)  57 O (0.4)    0.0
                    (B)   89 O   25 CA(0.3)  35 CA(0.7)    0.0
                    (S)   58 O   26 CA(0.9)                0.0
                    (S)   64 O   26 CA(0.6)  58 O (0.4)    0.0
                    (B)   90 O   26 CA(0.3)  36 CA(0.7)    0.0
                    (S)   59 O   27 CA(0.9)                0.0
                    (S)   61 O   27 CA(0.6)  59 O (0.4)    0.0
                    (B)   91 O   27 CA(0.3)  33 CA(0.7)    0.0
                    (S)   60 O   28 CA(0.9)                0.0
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                    (S)   62 O   28 CA(0.6)  60 O (0.4)    0.0
                    (B)   92 O   28 CA(0.3)  34 CA(0.7)    0.0
                    (B)   77 O   33 CA(0.1)  61 O (0.8)    0.0
                    (B)   78 O   34 CA(0.1)  62 O (0.8)    0.0
                    (B)   79 O   35 CA(0.1)  63 O (0.8)    0.0
                    (B)   80 O   36 CA(0.1)  64 O (0.8)    0.0
                    (B)   81 O   37 CA(0.1)  65 O (0.8)    0.0
                    (B)   82 O   38 CA(0.1)  66 O (0.8)    0.0
                    (B)   83 O   39 CA(0.1)  67 O (0.8)    0.0
                    (B)   84 O   40 CA(0.1)  68 O (0.8)    0.0
162    302.0339  (B3G)
                    (B)   85 O   21 CA(0.1)  31 CA(0.9)    0.0
                    (B)   86 O   22 CA(0.1)  32 CA(0.9)    0.0
                    (B)   87 O   23 CA(0.1)  37 CA(0.8)    0.0
                    (B)   88 O   24 CA(0.1)  30 CA(0.9)    0.0
                    (B)   89 O   25 CA(0.1)  35 CA(0.8)    0.0
                    (B)   90 O   26 CA(0.1)  32 CA(0.9)    0.0
                    (B)   91 O   27 CA(0.1)  29 CA(0.9)    0.0
                    (B)   92 O   28 CA(0.1)  30 CA(0.9)    0.0
                    (B)   33 CA  85 O (0.1)  47 CA(0.9)    0.0
                    (B)   86 O   34 CA(0.1)  48 CA(0.9)    0.0
                    (B)   35 CA  87 O (0.1)  45 CA(0.9)    0.0
                    (B)   36 CA  88 O (0.1)  46 CA(0.9)    0.0
                    (B)   37 CA  89 O (0.1)  43 CA(0.9)    0.0
                    (B)   38 CA  90 O (0.1)  44 CA(0.9)    0.0
                    (B)   39 CA  91 O (0.1)  41 CA(0.9)    0.0
                    (B)   40 CA  92 O (0.1)  42 CA(0.9)    0.0
163    302.0675  (B1G)
                    (S)  115 O   41 CA(1.0)                0.0
                    (S)  116 O   42 CA(1.0)                0.0
                    (S)  113 O   43 CA(1.0)                0.0
                    (S)  114 O   44 CA(1.0)                0.0
                    (S)  111 O   45 CA(1.0)                0.0
                    (S)  112 O   46 CA(1.0)                0.0
                    (S)  109 O   47 CA(1.0)                0.0
                    (S)  110 O   48 CA(1.0)                0.0
                    (B)   93 O   49 CA(0.0)  33 CA(1.0)    0.0
                    (B)   96 O   49 CA(0.0)  36 CA(1.0)    0.0
                    (B)   94 O   50 CA(0.0)  34 CA(1.0)    0.0
                    (B)   50 CA  95 O (0.0)  35 CA(1.0)    0.0
                    (B)   97 O   51 CA(0.0)  37 CA(1.0)    0.0
                    (B)   51 CA 100 O (0.0)  40 CA(1.0)    0.0
                    (B)   98 O   52 CA(0.0)  38 CA(1.0)    0.0
                    (B)   99 O   52 CA(0.0)  39 CA(1.0)    0.0
164    302.9550  (B3U)
                    (B)  109 O    9 SI(0.0)  85 O (1.0)    0.0
                    (B)  110 O   10 SI(0.0)  86 O (1.0)    0.0
                    (B)  111 O   11 SI(0.0)  87 O (1.0)    0.0
                    (B)  112 O   12 SI(0.0)  88 O (1.0)    0.0
                    (B)  113 O   13 SI(0.0)  89 O (1.0)    0.0
                    (B)  114 O   14 SI(0.0)  90 O (1.0)    0.0
                    (B)  115 O   15 SI(0.0)  91 O (1.0)    0.0
                    (B)  116 O   16 SI(0.0)  92 O (1.0)    0.0
                    (S)   85 O   21 CA(0.7)  31 CA(0.3)    0.0
                    (S)   86 O   22 CA(0.7)  32 CA(0.3)    0.0
                    (S)   23 CA  87 O (0.7)  45 CA(0.3)    0.0
                    (S)   88 O   24 CA(0.7)  30 CA(0.3)    0.0
                    (S)   25 CA  89 O (0.7)  43 CA(0.3)    0.0
                    (S)   90 O   26 CA(0.7)  32 CA(0.3)    0.0
                    (S)   91 O   27 CA(0.7)  29 CA(0.3)    0.0
                    (S)   92 O   28 CA(0.7)  30 CA(0.3)    0.0
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                    (S)   91 O   41 CA(0.8) 123 O (0.2)    0.0
                    (S)   92 O   42 CA(0.8) 124 O (0.2)    0.0
                    (S)   89 O   43 CA(0.8) 121 O (0.2)    0.0
                    (S)   90 O   44 CA(0.8) 122 O (0.2)    0.0
                    (S)   87 O   45 CA(0.8) 119 O (0.2)    0.0
                    (S)   88 O   46 CA(0.8) 120 O (0.2)    0.0
                    (S)   85 O   47 CA(0.8) 117 O (0.2)    0.0
                    (S)   86 O   48 CA(0.8) 118 O (0.2)    0.0
                    (S)  101 O   49 CA(0.6)  47 CA(0.4)    0.0
                    (S)   49 CA 104 O (0.6)  46 CA(0.4)    0.0
                    (S)  102 O   50 CA(0.6)  48 CA(0.4)    0.0
                    (S)  103 O   50 CA(0.6)  45 CA(0.4)    0.0
                    (S)  105 O   51 CA(0.6)  43 CA(0.4)    0.0
                    (S)  108 O   51 CA(0.6)  42 CA(0.4)    0.0
                    (S)  106 O   52 CA(0.6)  44 CA(0.4)    0.0
                    (S)   52 CA 107 O (0.6)  41 CA(0.4)    0.0
165    304.2895  (B1G)
                    (B)   77 O    1 SI(0.0)  53 O (1.0)    0.0
                    (B)   78 O    2 SI(0.0)  54 O (1.0)    0.0
                    (B)   79 O    3 SI(0.0)  55 O (1.0)    0.0
                    (B)   80 O    4 SI(0.0)  56 O (1.0)    0.0
                    (B)   81 O    5 SI(0.0)  57 O (1.0)    0.0
                    (B)   82 O    6 SI(0.0)  58 O (1.0)    0.0
                    (B)   83 O    7 SI(0.0)  59 O (1.0)    0.0
                    (B)   84 O    8 SI(0.0)  60 O (1.0)    0.0
                    (S)   67 O   21 CA(0.6)  33 CA(0.4)    0.0
                    (S)   68 O   22 CA(0.6)  34 CA(0.4)    0.0
                    (B)   74 O   22 CA(0.3)  30 CA(0.7)    0.0
                    (S)   65 O   23 CA(0.6)  35 CA(0.4)    0.0
                    (S)   66 O   24 CA(0.6)  36 CA(0.4)    0.0
                    (B)   76 O   24 CA(0.3)  32 CA(0.7)    0.0
                    (S)   63 O   25 CA(0.6)  37 CA(0.4)    0.0
                    (S)   64 O   26 CA(0.6)  38 CA(0.4)    0.0
                    (B)   70 O   26 CA(0.3)  30 CA(0.7)    0.0
                    (S)   61 O   27 CA(0.6)  39 CA(0.4)    0.0
                    (S)   62 O   28 CA(0.6)  40 CA(0.4)    0.0
                    (B)   72 O   28 CA(0.3)  32 CA(0.7)    0.0
                    (B)   61 O   41 CA(0.2)  39 CA(0.8)    0.0
                    (B)   62 O   42 CA(0.2)  40 CA(0.8)    0.0
                    (B)   63 O   43 CA(0.2)  37 CA(0.8)    0.0
                    (B)   64 O   44 CA(0.2)  38 CA(0.8)    0.0
                    (B)   65 O   45 CA(0.2)  35 CA(0.8)    0.0
                    (B)   66 O   46 CA(0.2)  36 CA(0.8)    0.0
                    (B)   67 O   47 CA(0.2)  33 CA(0.8)    0.0
                    (B)   68 O   48 CA(0.2)  34 CA(0.8)    0.0
166    306.6156  (B2G)
                    (B)   77 O    1 SI(0.0)  53 O (1.0)    0.0
                    (B)   78 O    2 SI(0.0)  54 O (1.0)    0.0
                    (B)   79 O    3 SI(0.0)  55 O (1.0)    0.0
                    (B)   80 O    4 SI(0.0)  56 O (1.0)    0.0
                    (B)   81 O    5 SI(0.0)  57 O (1.0)    0.0
                    (B)   82 O    6 SI(0.0)  58 O (1.0)    0.0
                    (B)   83 O    7 SI(0.0)  59 O (1.0)    0.0
                    (B)   84 O    8 SI(0.0)  60 O (1.0)    0.0
                    (B)   67 O   21 CA(0.3)  53 O (0.7)    0.0
                    (B)   68 O   22 CA(0.3)  54 O (0.7)    0.0
                    (B)   65 O   23 CA(0.3)  55 O (0.7)    0.0
                    (B)   66 O   24 CA(0.3)  56 O (0.7)    0.0
                    (B)   63 O   25 CA(0.3)  57 O (0.7)    0.0
                    (B)   64 O   26 CA(0.3)  58 O (0.7)    0.0
                    (B)   61 O   27 CA(0.3)  59 O (0.7)    0.0
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                        (B)   62 O   28 CA(0.3)  60 O (0.7)    0.0
167    306.8651  (B1U)
                        (S)   77 O   29 CA(0.5)  53 O (0.4)    0.0
                        (S)   78 O   30 CA(0.5)  58 O (0.4)    0.0
                        (S)   82 O   30 CA(0.5)  58 O (0.4)    0.0
                        (S)   83 O   31 CA(0.5)  59 O (0.4)    0.0
                        (S)   80 O   32 CA(0.5)  56 O (0.4)    0.0
                        (S)   84 O   32 CA(0.5)  56 O (0.4)    0.0
168    307.7927  (B2U)
                        (B)   77 O    1 SI(0.0)  27 CA(1.0)    0.0
                        (B)   78 O    2 SI(0.0)  28 CA(1.0)    0.0
                        (B)   79 O    3 SI(0.0)  25 CA(1.0)    0.0
                        (B)   80 O    4 SI(0.0)  26 CA(1.0)    0.0
                        (B)   81 O    5 SI(0.0)  23 CA(1.0)    0.0
                        (B)   82 O    6 SI(0.0)  24 CA(1.0)    0.0
                        (B)   83 O    7 SI(0.0)  21 CA(1.0)    0.0
                        (B)   84 O    8 SI(0.0)  22 CA(1.0)    0.0
                        (S)   83 O   21 CA(0.8)  31 CA(0.2)    0.0
                        (B)   74 O   22 CA(0.0)  40 CA(1.0)    0.0
                        (S)   84 O   22 CA(0.8)  32 CA(0.2)    0.0
                        (S)   81 O   23 CA(0.8)  87 O (0.2)    0.0
                        (B)   76 O   24 CA(0.0)  38 CA(1.0)    0.0
                        (S)   82 O   24 CA(0.8)  30 CA(0.2)    0.0
                        (S)   79 O   25 CA(0.8)  89 O (0.2)    0.0
                        (B)   70 O   26 CA(0.0)  36 CA(1.0)    0.0
                        (S)   26 CA  80 O (0.8)  32 CA(0.2)    0.0
                        (S)   77 O   27 CA(0.8)  29 CA(0.2)    0.0
                        (B)   72 O   28 CA(0.0)  34 CA(1.0)    0.0
                        (S)   28 CA  78 O (0.8)  30 CA(0.2)    0.0
                        (B)   69 O   29 CA(0.1)  21 CA(0.8)    0.0
                        (B)   70 O   30 CA(0.1)  26 CA(0.8)    0.0
                        (B)   74 O   30 CA(0.1)  26 CA(0.8)    0.0
                        (B)   75 O   31 CA(0.1)  27 CA(0.8)    0.0
                        (B)   72 O   32 CA(0.1)  24 CA(0.8)    0.0
                        (B)   76 O   32 CA(0.1)  24 CA(0.8)    0.0
169    307.9415  (AU )
                        (B)   77 O    1 SI(0.0)  27 CA(1.0)    0.0
                        (B)   78 O    2 SI(0.0)  28 CA(1.0)    0.0
                        (B)   79 O    3 SI(0.0)  25 CA(1.0)    0.0
                        (B)   80 O    4 SI(0.0)  26 CA(1.0)    0.0
                        (B)   81 O    5 SI(0.0)  23 CA(1.0)    0.0
                        (B)   82 O    6 SI(0.0)  24 CA(1.0)    0.0
                        (B)   83 O    7 SI(0.0)  21 CA(1.0)    0.0
                        (B)   84 O    8 SI(0.0)  22 CA(1.0)    0.0
                        (S)   83 O   21 CA(0.9)               0.0
                        (B)   74 O   22 CA(0.0)  40 CA(0.9)    0.0
                        (S)   84 O   22 CA(0.9)               0.0
                        (S)   81 O   23 CA(0.9)               0.0
                        (B)   76 O   24 CA(0.0)  38 CA(0.9)    0.0
                        (S)   82 O   24 CA(0.9)               0.0
                        (S)   79 O   25 CA(0.9)               0.0
                        (B)   70 O   26 CA(0.0)  36 CA(0.9)    0.0
                        (S)   80 O   26 CA(0.9)               0.0
                        (S)   77 O   27 CA(0.9)               0.0
                        (B)   72 O   28 CA(0.0)  34 CA(0.9)    0.0
                        (S)   78 O   28 CA(0.9)               0.0
                        (S)   53 O   29 CA(0.6)  77 O (0.4)    0.0
                        (S)   54 O   30 CA(0.6)  82 O (0.4)    0.0
                        (S)   58 O   30 CA(0.6)  78 O (0.4)    0.0
                        (S)   59 O   31 CA(0.6)  83 O (0.4)    0.0
                        (S)   56 O   32 CA(0.6)  80 O (0.4)    0.0
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                        (S)   60 O   32 CA(0.6)  80 O (0.4)    0.0
170    309.1198  (B3U)
                        (S)   77 O   29 CA(0.6)  53 O (0.4)    0.0
                        (S)   78 O   30 CA(0.6)  58 O (0.4)    0.0
                        (S)   82 O   30 CA(0.6)  58 O (0.4)    0.0
                        (S)   83 O   31 CA(0.6)  59 O (0.4)    0.0
                        (S)   80 O   32 CA(0.6)  56 O (0.4)    0.0
                        (S)   84 O   32 CA(0.6)  56 O (0.4)    0.0
171    310.0889  (AG )
                        (S)   61 O   33 CA(0.8)  41 CA(0.2)    0.0
                        (S)   34 CA  62 O (0.8)  42 CA(0.2)    0.0
                        (S)   63 O   35 CA(0.8)  43 CA(0.2)    0.0
                        (S)   36 CA  64 O (0.8)  44 CA(0.2)    0.0
                        (S)   65 O   37 CA(0.8)  45 CA(0.2)    0.0
                        (S)   38 CA  66 O (0.8)  46 CA(0.2)    0.0
                        (S)   39 CA  67 O (0.8)  47 CA(0.2)    0.0
                        (S)   68 O   40 CA(0.8)  48 CA(0.2)    0.0
172    310.2127  (B3G)
                        (S)   67 O   21 CA(0.8)  53 O (0.2)    0.0
                        (S)   68 O   22 CA(0.8)  54 O (0.2)    0.0
                        (B)   74 O   22 CA(0.4)  30 CA(0.5)    0.0
                        (S)   65 O   23 CA(0.8)  55 O (0.2)    0.0
                        (S)   66 O   24 CA(0.8)  56 O (0.2)    0.0
                        (B)   76 O   24 CA(0.4)  32 CA(0.5)    0.0
                        (S)   63 O   25 CA(0.8)  57 O (0.2)    0.0
                        (S)   64 O   26 CA(0.8)  58 O (0.2)    0.0
                        (B)   70 O   26 CA(0.4)  30 CA(0.5)    0.0
                        (S)   61 O   27 CA(0.8)  59 O (0.2)    0.0
                        (S)   62 O   28 CA(0.8)  60 O (0.2)    0.0
                        (B)   72 O   28 CA(0.4)  32 CA(0.5)    0.0
173    314.4698  (B2U)
                        (S)   77 O   29 CA(0.7)  53 O (0.3)    0.0
                        (S)   78 O   30 CA(0.7)  58 O (0.3)    0.0
                        (S)   82 O   30 CA(0.7)  54 O (0.3)    0.0
                        (S)   83 O   31 CA(0.7)  59 O (0.3)    0.0
                        (S)   80 O   32 CA(0.7)  56 O (0.3)    0.0
                        (S)   84 O   32 CA(0.7)  56 O (0.3)    0.0
174    316.9912  (AU )
                        (S)   77 O   29 CA(0.8)  53 O (0.2)    0.0
                        (S)   78 O   30 CA(0.8)  54 O (0.2)    0.0
                        (S)   82 O   30 CA(0.8)  58 O (0.2)    0.0
                        (S)   83 O   31 CA(0.8)  59 O (0.2)    0.0
                        (S)   80 O   32 CA(0.8)  56 O (0.2)    0.0
                        (S)   84 O   32 CA(0.8)  56 O (0.2)    0.0
175    317.7494  (B2G)
                        (B)   83 O   21 CA(0.0)  29 CA(0.9)    0.0
                        (B)   84 O   22 CA(0.0)  30 CA(0.9)    0.0
                        (B)   81 O   23 CA(0.0)  87 O (0.9)    0.0
                        (B)   82 O   24 CA(0.0)  32 CA(0.9)    0.0
                        (B)   79 O   25 CA(0.0)  89 O (0.9)    0.0
                        (B)   80 O   26 CA(0.0)  30 CA(0.9)    0.0
                        (B)   77 O   27 CA(0.0)  31 CA(0.9)    0.0
                        (B)   78 O   28 CA(0.0)  32 CA(0.9)    0.0
                        (B)   77 O   33 CA(0.2)  53 O (0.8)    0.0
                        (B)   78 O   34 CA(0.2)  54 O (0.8)    0.0
                        (B)   79 O   35 CA(0.2)  55 O (0.8)    0.0
                        (B)   80 O   36 CA(0.2)  56 O (0.8)    0.0
                        (B)   81 O   37 CA(0.2)  57 O (0.8)    0.0
                        (B)   82 O   38 CA(0.2)  58 O (0.8)    0.0
                        (B)   83 O   39 CA(0.2)  59 O (0.8)    0.0
                        (B)   84 O   40 CA(0.2)  60 O (0.8)    0.0
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                        (S)   41 CA  61 O (0.7)   1 SI(0.3)    0.0
                        (S)   42 CA  62 O (0.7)   2 SI(0.3)    0.0
                        (S)   43 CA  63 O (0.7)   3 SI(0.3)    0.0
                        (S)   44 CA  64 O (0.7)   4 SI(0.3)    0.0
                        (S)   45 CA  65 O (0.7)   5 SI(0.3)    0.0
                        (S)   46 CA  66 O (0.7)   6 SI(0.3)    0.0
                        (S)   47 CA  67 O (0.7)   7 SI(0.3)    0.0
                        (S)   48 CA  68 O (0.7)   8 SI(0.3)    0.0
176    318.2621  (B2U)
                        (B)   93 O   33 CA(0.5)  77 O (0.5)    0.0
                        (S)  109 O   33 CA(0.5)   9 SI(0.5)    0.0
                        (B)   94 O   34 CA(0.5)  78 O (0.5)    0.0
                        (S)  110 O   34 CA(0.5)  10 SI(0.5)    0.0
                        (B)   95 O   35 CA(0.5)  79 O (0.5)    0.0
                        (S)  111 O   35 CA(0.5)  11 SI(0.5)    0.0
                        (B)   96 O   36 CA(0.5)  80 O (0.5)    0.0
                        (S)  112 O   36 CA(0.5)  12 SI(0.5)    0.0
                        (B)   97 O   37 CA(0.5)  81 O (0.5)    0.0
                        (S)  113 O   37 CA(0.5)  13 SI(0.5)    0.0
                        (B)   98 O   38 CA(0.5)  82 O (0.5)    0.0
                        (S)  114 O   38 CA(0.5)  14 SI(0.5)    0.0
                        (B)   99 O   39 CA(0.5)  83 O (0.5)    0.0
                        (S)  115 O   39 CA(0.5)  15 SI(0.5)    0.0
                        (B)  100 O   40 CA(0.5)  84 O (0.5)    0.0
                        (S)  116 O   40 CA(0.5)  16 SI(0.5)    0.0
                        (S)   41 CA  93 O (0.8)  49 CA(0.2)    0.0
                        (S)   42 CA  94 O (0.8)  50 CA(0.2)    0.0
                        (S)   43 CA  95 O (0.8)  50 CA(0.2)    0.0
                        (S)   44 CA  96 O (0.8)  49 CA(0.2)    0.0
                        (S)   45 CA  97 O (0.8)  51 CA(0.2)    0.0
                        (S)   46 CA  98 O (0.8)  52 CA(0.2)    0.0
                        (S)   47 CA  99 O (0.8)  52 CA(0.2)    0.0
                        (S)   48 CA 100 O (0.8)  51 CA(0.2)    0.0
177    318.8496  (B1G)
                        (B)   93 O   33 CA(0.4)  77 O (0.6)    0.0
                        (S)  109 O   33 CA(0.5)   9 SI(0.5)    0.0
                        (B)   94 O   34 CA(0.4)  78 O (0.6)    0.0
                        (S)  110 O   34 CA(0.5)  10 SI(0.5)    0.0
                        (B)   95 O   35 CA(0.4)  79 O (0.6)    0.0
                        (S)  111 O   35 CA(0.5)  11 SI(0.5)    0.0
                        (B)   96 O   36 CA(0.4)  80 O (0.6)    0.0
                        (S)  112 O   36 CA(0.5)  12 SI(0.5)    0.0
                        (B)   97 O   37 CA(0.4)  81 O (0.6)    0.0
                        (S)  113 O   37 CA(0.5)  13 SI(0.5)    0.0
                        (B)   98 O   38 CA(0.4)  82 O (0.6)    0.0
                        (S)  114 O   38 CA(0.5)  14 SI(0.5)    0.0
                        (B)   99 O   39 CA(0.4)  83 O (0.6)    0.0
                        (S)  115 O   39 CA(0.5)  15 SI(0.5)    0.0
                        (B)  100 O   40 CA(0.4)  84 O (0.6)    0.0
                        (S)  116 O   40 CA(0.5)  16 SI(0.5)    0.0
                        (S)   93 O   41 CA(0.7)  52 CA(0.3)    0.0
                        (S)   94 O   42 CA(0.7)  51 CA(0.3)    0.0
                        (S)   95 O   43 CA(0.7)  51 CA(0.3)    0.0
                        (S)   96 O   44 CA(0.7)  52 CA(0.3)    0.0
                        (S)   97 O   45 CA(0.7)  50 CA(0.3)    0.0
                        (S)   98 O   46 CA(0.7)  49 CA(0.3)    0.0
                        (S)   99 O   47 CA(0.7)  49 CA(0.3)    0.0
                        (S)  100 O   48 CA(0.7)  50 CA(0.3)    0.0
178    320.3051  (B1G)
                        (O)   77 O    1 SI(0.0)  33 CA(0.8)    0.0
                        (O)   78 O    2 SI(0.0)  34 CA(0.8)    0.0
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                        (O)   79 O    3 SI(0.0)  35 CA(0.8)    0.0
                        (O)   80 O    4 SI(0.0)  36 CA(0.8)    0.0
                        (O)   81 O    5 SI(0.0)  37 CA(0.8)    0.0
                        (O)   82 O    6 SI(0.0)  38 CA(0.8)    0.0
                        (O)   83 O    7 SI(0.0)  39 CA(0.8)    0.0
                        (O)   84 O    8 SI(0.0)  40 CA(0.8)    0.0
                        (S)   61 O   41 CA(0.9)               0.0
                        (S)   62 O   42 CA(0.9)               0.0
                        (S)   63 O   43 CA(0.9)               0.0
                        (S)   64 O   44 CA(0.9)               0.0
                        (S)   65 O   45 CA(0.9)               0.0
                        (S)   66 O   46 CA(0.9)               0.0
                        (S)   67 O   47 CA(0.9)               0.0
                        (S)   68 O   48 CA(0.9)               0.0
179    321.2941  (AG )
                        (B)   77 O    1 SI(0.0)  61 O (0.9)    0.0
                        (B)   78 O    2 SI(0.0)  62 O (0.9)    0.0
                        (B)   79 O    3 SI(0.0)  63 O (0.9)    0.0
                        (B)   80 O    4 SI(0.0)  64 O (0.9)    0.0
                        (B)   81 O    5 SI(0.0)  65 O (0.9)    0.0
                        (B)   82 O    6 SI(0.0)  66 O (0.9)    0.0
                        (B)   83 O    7 SI(0.0)  67 O (0.9)    0.0
                        (B)   84 O    8 SI(0.0)  68 O (0.9)    0.0
                        (B)   83 O   21 CA(0.0)  29 CA(0.9)    0.0
                        (B)   84 O   22 CA(0.0)  30 CA(0.9)    0.0
                        (B)   81 O   23 CA(0.0)  87 O (0.9)    0.0
                        (B)   82 O   24 CA(0.0)  32 CA(0.9)    0.0
                        (B)   79 O   25 CA(0.0)  89 O (0.9)    0.0
                        (B)   80 O   26 CA(0.0)  30 CA(0.9)    0.0
                        (B)   77 O   27 CA(0.0)  31 CA(0.9)    0.0
                        (B)   78 O   28 CA(0.0)  32 CA(0.9)    0.0
                        (B)   77 O   33 CA(0.3)  49 CA(0.7)    0.0
                        (B)   78 O   34 CA(0.3)  50 CA(0.7)    0.0
                        (B)   79 O   35 CA(0.3)  50 CA(0.7)    0.0
                        (B)   80 O   36 CA(0.3)  49 CA(0.7)    0.0
                        (B)   81 O   37 CA(0.3)  51 CA(0.7)    0.0
                        (B)   82 O   38 CA(0.3)  52 CA(0.7)    0.0
                        (B)   83 O   39 CA(0.3)  52 CA(0.7)    0.0
                        (B)   84 O   40 CA(0.3)  51 CA(0.7)    0.0
                        (S)   61 O   41 CA(0.9)               0.0
                        (S)   62 O   42 CA(0.9)               0.0
                        (S)   63 O   43 CA(0.9)               0.0
                        (S)   64 O   44 CA(0.9)               0.0
                        (S)   65 O   45 CA(0.9)               0.0
                        (S)   66 O   46 CA(0.9)               0.0
                        (S)   67 O   47 CA(0.9)               0.0
                        (S)   68 O   48 CA(0.9)               0.0
180    321.6800  (B1U)
                        (B)   67 O   21 CA(0.2)  83 O (0.8)    0.0
                        (B)   75 O   21 CA(0.1)  83 O (0.9)    0.0
                        (B)   68 O   22 CA(0.2)  84 O (0.8)    0.0
                        (B)   74 O   22 CA(0.2)  32 CA(0.8)    0.0
                        (B)   76 O   22 CA(0.1)  84 O (0.9)    0.0
                        (B)   65 O   23 CA(0.2)  81 O (0.8)    0.0
                        (B)   73 O   23 CA(0.1)  81 O (0.9)    0.0
                        (B)   66 O   24 CA(0.2)  82 O (0.8)    0.0
                        (B)   74 O   24 CA(0.1)  82 O (0.9)    0.0
                        (B)   76 O   24 CA(0.2)  30 CA(0.8)    0.0
                        (B)   63 O   25 CA(0.2)  79 O (0.8)    0.0
                        (B)   71 O   25 CA(0.1)  79 O (0.9)    0.0
                        (B)   64 O   26 CA(0.2)  80 O (0.8)    0.0
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                        (B)   70 O   26 CA(0.2)  32 CA(0.8)    0.0
                        (B)   72 O   26 CA(0.1)  80 O (0.9)    0.0
                        (B)   61 O   27 CA(0.2)  77 O (0.8)    0.0
                        (B)   69 O   27 CA(0.1)  77 O (0.9)    0.0
                        (B)   62 O   28 CA(0.2)  78 O (0.8)    0.0
                        (B)   70 O   28 CA(0.1)  78 O (0.9)    0.0
                        (B)   72 O   28 CA(0.2)  30 CA(0.8)    0.0
181    321.7971  (B3G)
                        (O)   77 O    1 SI(0.0)  61 O (0.8)    0.0
                        (O)   78 O    2 SI(0.0)  62 O (0.8)    0.0
                        (O)   79 O    3 SI(0.0)  63 O (0.8)    0.0
                        (O)   80 O    4 SI(0.0)  64 O (0.8)    0.0
                        (O)   81 O    5 SI(0.0)  65 O (0.8)    0.0
                        (O)   82 O    6 SI(0.0)  66 O (0.8)    0.0
                        (O)   83 O    7 SI(0.0)  67 O (0.8)    0.0
                        (O)   84 O    8 SI(0.0)  68 O (0.8)    0.0
                        (S)   61 O   41 CA(1.0)               0.0
                        (S)   62 O   42 CA(1.0)               0.0
                        (S)   63 O   43 CA(1.0)               0.0
                        (S)   64 O   44 CA(1.0)               0.0
                        (S)   65 O   45 CA(1.0)               0.0
                        (S)   66 O   46 CA(1.0)               0.0
                        (S)   67 O   47 CA(1.0)               0.0
                        (S)   68 O   48 CA(1.0)               0.0
182    322.8815  (B3U)
                        (B)   67 O   21 CA(0.2)  83 O (0.8)    0.0
                        (B)   75 O   21 CA(0.1)  83 O (0.9)    0.0
                        (B)   68 O   22 CA(0.2)  84 O (0.8)    0.0
                        (B)   74 O   22 CA(0.2)  32 CA(0.8)    0.0
                        (B)   76 O   22 CA(0.1)  84 O (0.9)    0.0
                        (B)   65 O   23 CA(0.2)  81 O (0.8)    0.0
                        (B)   73 O   23 CA(0.1)  81 O (0.9)    0.0
                        (B)   66 O   24 CA(0.2)  82 O (0.8)    0.0
                        (B)   74 O   24 CA(0.1)  82 O (0.9)    0.0
                        (B)   76 O   24 CA(0.2)  30 CA(0.8)    0.0
                        (B)   63 O   25 CA(0.2)  79 O (0.8)    0.0
                        (B)   71 O   25 CA(0.1)  79 O (0.9)    0.0
                        (B)   64 O   26 CA(0.2)  80 O (0.8)    0.0
                        (B)   70 O   26 CA(0.2)  32 CA(0.8)    0.0
                        (B)   72 O   26 CA(0.1)  80 O (0.9)    0.0
                        (B)   61 O   27 CA(0.2)  77 O (0.8)    0.0
                        (B)   69 O   27 CA(0.1)  77 O (0.9)    0.0
                        (B)   62 O   28 CA(0.2)  78 O (0.8)    0.0
                        (B)   70 O   28 CA(0.1)  78 O (0.9)    0.0
                        (B)   72 O   28 CA(0.2)  30 CA(0.8)    0.0
183    328.1435  (B1U)
                        (S)  123 O   41 CA(0.6)  15 SI(0.4)    0.0
                        (S)  124 O   42 CA(0.6)  16 SI(0.4)    0.0
                        (S)  121 O   43 CA(0.6)  13 SI(0.4)    0.0
                        (S)  122 O   44 CA(0.6)  14 SI(0.4)    0.0
                        (S)  119 O   45 CA(0.6)  11 SI(0.4)    0.0
                        (S)  120 O   46 CA(0.6)  12 SI(0.4)    0.0
                        (S)  117 O   47 CA(0.6)   9 SI(0.4)    0.0
                        (S)  118 O   48 CA(0.6)  10 SI(0.4)    0.0
184    330.0389  (AU )
                        (S)  109 O   33 CA(0.7)   9 SI(0.3)    0.0
                        (S)  110 O   34 CA(0.7)  10 SI(0.3)    0.0
                        (S)  111 O   35 CA(0.7)  11 SI(0.3)    0.0
                        (S)  112 O   36 CA(0.7)  12 SI(0.3)    0.0
                        (S)  113 O   37 CA(0.7)  13 SI(0.3)    0.0
                        (S)  114 O   38 CA(0.7)  14 SI(0.3)    0.0
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                    (S)  115 O   39 CA(0.7)  15 SI(0.3)    0.0
                    (S)  116 O   40 CA(0.7)  16 SI(0.3)   -0.1
185    332.9695  (B2G)
                    (B)  123 O   41 CA(0.3)  52 CA(0.7)    0.0
                    (B)  124 O   42 CA(0.3)  51 CA(0.7)    0.0
                    (B)  121 O   43 CA(0.3)  51 CA(0.7)    0.0
                    (B)  122 O   44 CA(0.3)  52 CA(0.7)    0.0
                    (B)  119 O   45 CA(0.3)  50 CA(0.7)    0.0
                    (B)  120 O   46 CA(0.3)  49 CA(0.7)    0.0
                    (B)  117 O   47 CA(0.3)  49 CA(0.7)    0.0
                    (B)  118 O   48 CA(0.3)  50 CA(0.7)    0.0
186    334.3267  (B1U)
                    (S)  109 O   33 CA(0.9)                0.0
                    (S)  110 O   34 CA(0.9)                0.0
                    (S)  111 O   35 CA(0.9)                0.0
                    (S)  112 O   36 CA(0.9)                0.0
                    (S)  113 O   37 CA(0.9)                0.0
                    (S)  114 O   38 CA(0.9)                0.0
                    (S)  115 O   39 CA(0.9)                0.0
                    (S)  116 O   40 CA(0.9)               -0.1
187    335.9925  (B3G)
                    (S)  109 O   33 CA(0.7)   9 SI(0.3)    0.0
                    (S)  110 O   34 CA(0.7)  10 SI(0.3)    0.0
                    (S)  111 O   35 CA(0.7)  11 SI(0.3)    0.0
                    (S)  112 O   36 CA(0.7)  12 SI(0.3)    0.0
                    (S)  113 O   37 CA(0.7)  13 SI(0.3)    0.0
                    (S)  114 O   38 CA(0.7)  14 SI(0.3)    0.0
                    (S)  115 O   39 CA(0.7)  15 SI(0.3)    0.0
                    (S)  116 O   40 CA(0.7)  16 SI(0.3)   -0.1
188    338.2050  (B2U)
                    (S)  109 O   33 CA(0.8)   9 SI(0.2)    0.0
                    (S)  110 O   34 CA(0.8)  10 SI(0.2)    0.0
                    (S)  111 O   35 CA(0.8)  11 SI(0.2)    0.0
                    (S)  112 O   36 CA(0.8)  12 SI(0.2)    0.0
                    (S)  113 O   37 CA(0.8)  13 SI(0.2)    0.0
                    (S)  114 O   38 CA(0.8)  14 SI(0.2)    0.0
                    (S)  115 O   39 CA(0.8)  15 SI(0.2)    0.0
                    (S)  116 O   40 CA(0.8)  16 SI(0.2)    0.0
189    341.4024  (AG )
                    (S)  109 O   33 CA(1.0)                0.0
                    (S)  110 O   34 CA(1.0)                0.0
                    (S)  111 O   35 CA(1.0)                0.0
                    (S)  112 O   36 CA(1.0)                0.0
                    (S)  113 O   37 CA(1.0)                0.0
                    (S)  114 O   38 CA(1.0)                0.0
                    (S)  115 O   39 CA(1.0)                0.0
                    (S)  116 O   40 CA(1.0)               -0.1
                    (B)  115 O   41 CA(0.0)  93 O (1.0)    0.0
                    (B)  116 O   42 CA(0.0)  94 O (1.0)    0.0
                    (B)  113 O   43 CA(0.0)  95 O (1.0)    0.0
                    (B)  114 O   44 CA(0.0)  96 O (1.0)    0.0
                    (B)  111 O   45 CA(0.0)  97 O (1.0)    0.0
                    (B)  112 O   46 CA(0.0)  98 O (1.0)    0.0
                    (B)  109 O   47 CA(0.0)  99 O (1.0)    0.0
                    (B)  110 O   48 CA(0.0) 100 O (1.0)    0.0
190    341.8290  (B1G)
                    (B)   85 O   33 CA(0.4)  41 CA(0.5)    0.0
                    (B)   86 O   34 CA(0.4)  42 CA(0.5)    0.0
                    (B)   87 O   35 CA(0.4)  43 CA(0.5)    0.0
                    (B)   88 O   36 CA(0.4)  44 CA(0.5)    0.0
                    (B)   89 O   37 CA(0.4)  45 CA(0.5)    0.0
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                        (B)   90 O   38 CA(0.4)  46 CA(0.5)    0.0
                        (B)   91 O   39 CA(0.4)  47 CA(0.5)    0.0
                        (B)   92 O   40 CA(0.4)  48 CA(0.5)    0.0
                        (B)  109 O   49 CA(0.2)  93 O (0.8)    0.0
                        (B)  112 O   49 CA(0.2)  96 O (0.8)    0.0
                        (B)  110 O   50 CA(0.2)  94 O (0.8)    0.0
                        (B)  111 O   50 CA(0.2)  95 O (0.8)    0.0
                        (B)  113 O   51 CA(0.2)  97 O (0.8)    0.0
                        (B)  116 O   51 CA(0.2) 100 O (0.8)    0.0
                        (B)  114 O   52 CA(0.2)  98 O (0.8)    0.0
                        (B)  115 O   52 CA(0.2)  99 O (0.8)    0.0
191    342.7478  (B3U)
                        (S)  109 O   33 CA(1.0)                0.0
                        (S)  110 O   34 CA(1.0)                0.0
                        (S)  111 O   35 CA(1.0)                0.0
                        (S)  112 O   36 CA(1.0)                0.0
                        (S)  113 O   37 CA(1.0)                0.0
                        (S)  114 O   38 CA(1.0)                0.0
                        (S)  115 O   39 CA(1.0)                0.0
                        (S)  116 O   40 CA(1.0)               -0.1
                        (B)  115 O   41 CA(0.0)  93 O (1.0)    0.0
                        (B)  116 O   42 CA(0.0)  94 O (1.0)    0.0
                        (B)  113 O   43 CA(0.0)  95 O (1.0)    0.0
                        (B)  114 O   44 CA(0.0)  96 O (1.0)    0.0
                        (B)  111 O   45 CA(0.0)  97 O (1.0)    0.0
                        (B)  112 O   46 CA(0.0)  98 O (1.0)    0.0
                        (B)  109 O   47 CA(0.0)  99 O (1.0)    0.0
                        (B)  110 O   48 CA(0.0) 100 O (1.0)    0.0
192    342.9221  (B2G)
                        (B)   93 O    9 SI(0.0) 101 O (1.0)    0.0
                        (B)   94 O   10 SI(0.0) 102 O (1.0)    0.0
                        (B)   95 O   11 SI(0.0) 103 O (1.0)    0.0
                        (B)   96 O   12 SI(0.0) 104 O (1.0)    0.0
                        (B)   97 O   13 SI(0.0) 105 O (1.0)    0.0
                        (B)   98 O   14 SI(0.0) 106 O (1.0)    0.0
                        (B)   99 O   15 SI(0.0) 107 O (1.0)    0.0
                        (B)  100 O   16 SI(0.0) 108 O (1.0)    0.0
                        (S)  109 O   33 CA(0.9)                0.0
                        (S)  110 O   34 CA(0.9)                0.0
                        (S)  111 O   35 CA(0.9)                0.0
                        (S)  112 O   36 CA(0.9)                0.0
                        (S)  113 O   37 CA(0.9)                0.0
                        (S)  114 O   38 CA(0.9)                0.0
                        (S)  115 O   39 CA(0.9)                0.0
                        (S)  116 O   40 CA(0.9)                0.0
                        (B)   91 O   41 CA(0.0) 115 O (1.0)    0.0
                        (S)   93 O   41 CA(0.7)  52 CA(0.3)    0.0
                        (B)   92 O   42 CA(0.0) 116 O (1.0)    0.0
                        (S)   94 O   42 CA(0.7)  51 CA(0.3)    0.0
                        (B)   89 O   43 CA(0.0) 113 O (1.0)    0.0
                        (S)   95 O   43 CA(0.7)  51 CA(0.3)    0.0
                        (B)   90 O   44 CA(0.0) 114 O (1.0)    0.0
                        (S)   96 O   44 CA(0.7)  52 CA(0.3)    0.0
                        (B)   87 O   45 CA(0.0) 111 O (1.0)    0.0
                        (S)   97 O   45 CA(0.7)  50 CA(0.3)    0.0
                        (B)   88 O   46 CA(0.0) 112 O (1.0)    0.0
                        (S)   98 O   46 CA(0.7)  49 CA(0.3)    0.0
                        (B)   85 O   47 CA(0.0) 109 O (1.0)    0.0
                        (S)   99 O   47 CA(0.7)  49 CA(0.3)    0.0
                        (B)   86 O   48 CA(0.0) 110 O (1.0)    0.0
                        (S)  100 O   48 CA(0.7)  50 CA(0.3)    0.0
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                        (B)  109 O   49 CA(0.1)  33 CA(0.8)    0.0
                        (B)  112 O   49 CA(0.1)  36 CA(0.8)    0.0
                        (B)  110 O   50 CA(0.1)  34 CA(0.8)    0.0
                        (B)   50 CA 111 O (0.1)  35 CA(0.8)    0.0
                        (B)  113 O   51 CA(0.1)  37 CA(0.8)    0.0
                        (B)   51 CA 116 O (0.1)  40 CA(0.8)    0.0
                        (B)   52 CA 114 O (0.1)  38 CA(0.8)    0.0
                        (B)   52 CA 115 O (0.1)  39 CA(0.8)    0.0
193    345.3600  (B2U)
                        (S)   85 O   33 CA(0.6)  41 CA(0.4)    0.0
                        (S)   93 O   33 CA(0.6) 109 O (0.4)    0.0
                        (S)   86 O   34 CA(0.6)  42 CA(0.4)    0.0
                        (S)   94 O   34 CA(0.6) 110 O (0.4)    0.0
                        (S)   87 O   35 CA(0.6)  43 CA(0.4)    0.0
                        (S)   95 O   35 CA(0.6) 111 O (0.4)    0.0
                        (S)   88 O   36 CA(0.6)  44 CA(0.4)    0.0
                        (S)   96 O   36 CA(0.6) 112 O (0.4)    0.0
                        (S)   89 O   37 CA(0.6)  45 CA(0.4)    0.0
                        (S)   97 O   37 CA(0.6) 113 O (0.4)    0.0
                        (S)   90 O   38 CA(0.6)  46 CA(0.4)    0.0
                        (S)   98 O   38 CA(0.6) 114 O (0.4)    0.0
                        (S)   91 O   39 CA(0.6)  47 CA(0.4)    0.0
                        (S)   99 O   39 CA(0.6) 115 O (0.4)    0.0
                        (S)   92 O   40 CA(0.6)  48 CA(0.4)    0.0
                        (S)  100 O   40 CA(0.6) 116 O (0.4)    0.0
                        (B)  109 O   49 CA(0.2)  93 O (0.8)    0.0
                        (B)  112 O   49 CA(0.2)  96 O (0.8)    0.0
                        (B)  110 O   50 CA(0.2)  94 O (0.8)    0.0
                        (B)  111 O   50 CA(0.2)  95 O (0.8)    0.0
                        (B)  113 O   51 CA(0.2)  97 O (0.8)    0.0
                        (B)  116 O   51 CA(0.2) 100 O (0.8)    0.0
                        (B)  114 O   52 CA(0.2)  98 O (0.8)    0.0
                        (B)  115 O   52 CA(0.2)  99 O (0.8)    0.0
194    351.5674  (B1U)
                        (B)   93 O   33 CA(0.4) 109 O (0.6)    0.0
                        (B)   94 O   34 CA(0.4) 110 O (0.6)    0.0
                        (B)   95 O   35 CA(0.4) 111 O (0.6)    0.0
                        (B)   96 O   36 CA(0.4) 112 O (0.6)    0.0
                        (B)   97 O   37 CA(0.4) 113 O (0.6)    0.0
                        (B)   98 O   38 CA(0.4) 114 O (0.6)    0.0
                        (B)   99 O   39 CA(0.4) 115 O (0.6)    0.0
                        (B)  100 O   40 CA(0.4) 116 O (0.6)    0.0
                        (B)   93 O   41 CA(0.4)  52 CA(0.6)    0.0
                        (B)   94 O   42 CA(0.4)  51 CA(0.6)    0.0
                        (B)   95 O   43 CA(0.4)  51 CA(0.6)    0.0
                        (B)   96 O   44 CA(0.4)  52 CA(0.6)    0.0
                        (B)   97 O   45 CA(0.4)  50 CA(0.6)    0.0
                        (B)   98 O   46 CA(0.4)  49 CA(0.6)    0.0
                        (B)   99 O   47 CA(0.4)  49 CA(0.6)    0.0
                        (B)  100 O   48 CA(0.4)  50 CA(0.6)    0.0
195    351.9394  (AU )
                        (B)   93 O   41 CA(0.1) 115 O (0.8)    0.0
                        (B)  115 O   41 CA(0.0)  93 O (1.0)    0.0
                        (B)   94 O   42 CA(0.1) 116 O (0.8)    0.0
                        (B)  116 O   42 CA(0.0)  94 O (1.0)    0.0
                        (B)   95 O   43 CA(0.1) 113 O (0.8)    0.0
                        (B)  113 O   43 CA(0.0)  95 O (1.0)    0.0
                        (B)   96 O   44 CA(0.1) 114 O (0.8)    0.0
                        (B)  114 O   44 CA(0.0)  96 O (1.0)    0.0
                        (B)   97 O   45 CA(0.1) 111 O (0.8)    0.0
                        (B)  111 O   45 CA(0.0)  97 O (1.0)    0.0
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                        (B)   98 O   46 CA(0.1) 112 O (0.8)    0.0
                        (B)  112 O   46 CA(0.0)  98 O (1.0)    0.0
                        (B)   99 O   47 CA(0.1) 109 O (0.8)    0.0
                        (B)  109 O   47 CA(0.0)  99 O (1.0)    0.0
                        (B)  100 O   48 CA(0.1) 110 O (0.8)    0.0
                        (B)  110 O   48 CA(0.0) 100 O (1.0)    0.0
196    352.0801  (B3U)
                        (S)   49 CA 122 O (0.8)  20 SI(0.2)    0.0
                        (S)   49 CA 123 O (0.8)  20 SI(0.2)    0.0
                        (S)  121 O   50 CA(0.8)  19 SI(0.2)    0.0
                        (S)  124 O   50 CA(0.8)  19 SI(0.2)    0.0
                        (S)   51 CA 118 O (0.8)  18 SI(0.2)    0.0
                        (S)   51 CA 119 O (0.8)  18 SI(0.2)    0.0
                        (S)  117 O   52 CA(0.8)  17 SI(0.2)    0.0
                        (S)  120 O   52 CA(0.8)  17 SI(0.2)    0.0
197    352.2787  (AG )
                        (S)  122 O   49 CA(0.8) 112 O (0.2)    0.0
                        (S)  123 O   49 CA(0.8) 109 O (0.2)    0.0
                        (S)  121 O   50 CA(0.8) 111 O (0.2)    0.0
                        (S)  124 O   50 CA(0.8) 110 O (0.2)    0.0
                        (S)  118 O   51 CA(0.8) 116 O (0.2)    0.0
                        (S)  119 O   51 CA(0.8) 113 O (0.2)    0.0
                        (S)  117 O   52 CA(0.8) 115 O (0.2)    0.0
                        (S)  120 O   52 CA(0.8) 114 O (0.2)    0.0
198    353.0021  (B1G)
                        (S)  109 O   33 CA(0.5)  61 O (0.4)    0.0
                        (S)  110 O   34 CA(0.5)  62 O (0.4)    0.0
                        (S)  111 O   35 CA(0.5)  63 O (0.4)    0.0
                        (S)  112 O   36 CA(0.5)  64 O (0.4)    0.0
                        (S)  113 O   37 CA(0.5)  65 O (0.4)    0.0
                        (S)  114 O   38 CA(0.5)  66 O (0.4)    0.0
                        (S)  115 O   39 CA(0.5)  67 O (0.4)    0.0
                        (S)  116 O   40 CA(0.5)  68 O (0.4)   -0.1
199    353.3672  (B3G)
                        (B)  115 O   41 CA(0.1)  93 O (0.9)    0.0
                        (B)  116 O   42 CA(0.1)  94 O (0.9)    0.0
                        (B)  113 O   43 CA(0.1)  95 O (0.9)    0.0
                        (B)  114 O   44 CA(0.1)  96 O (0.9)    0.0
                        (B)  111 O   45 CA(0.1)  97 O (0.9)    0.0
                        (B)  112 O   46 CA(0.1)  98 O (0.9)    0.0
                        (B)  109 O   47 CA(0.1)  99 O (0.9)    0.0
                        (B)  110 O   48 CA(0.1) 100 O (0.9)    0.0
200    360.0561  (AU )
                        (S)   29 CA   1 SI(0.9)                0.0
                        (S)   30 CA   2 SI(0.9)                0.0
                        (S)   32 CA   4 SI(0.9)                0.0
                        (S)   30 CA   6 SI(0.9)                0.0
                        (S)   31 CA   7 SI(0.9)                0.0
                        (S)   32 CA   8 SI(0.9)                0.0
                        (S)   21 CA  31 CA(0.6)  27 CA(0.4)    0.0
                        (S)   22 CA  32 CA(0.6)  28 CA(0.4)    0.0
                        (S)   24 CA  30 CA(0.6)  26 CA(0.4)    0.0
                        (S)   26 CA  32 CA(0.6)  28 CA(0.4)    0.0
                        (S)   27 CA  29 CA(0.6)  21 CA(0.4)    0.0
                        (S)   28 CA  30 CA(0.6)  22 CA(0.4)    0.0
                        (S)   53 O   29 CA(0.6)  27 CA(0.4)    0.0
                        (S)   69 O   29 CA(0.5)   1 SI(0.4)    0.0
                        (B)   77 O   29 CA(0.1)   1 SI(0.9)    0.0
                        (S)   54 O   30 CA(0.6)  28 CA(0.4)    0.0
                        (S)   58 O   30 CA(0.6)  24 CA(0.4)    0.0
                        (S)   70 O   30 CA(0.5)   2 SI(0.4)    0.0
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                        (S)   74 O   30 CA(0.5)   2 SI(0.4)    0.0
                        (B)   78 O   30 CA(0.1)   2 SI(0.9)    0.0
                        (B)   82 O   30 CA(0.1)   2 SI(0.9)    0.0
                        (S)   59 O   31 CA(0.6)  21 CA(0.4)    0.0
                        (S)   75 O   31 CA(0.5)   7 SI(0.4)    0.0
                        (B)   83 O   31 CA(0.1)   7 SI(0.9)    0.0
                        (S)   56 O   32 CA(0.6)  22 CA(0.4)    0.0
                        (S)   60 O   32 CA(0.6)  22 CA(0.4)    0.0
                        (S)   72 O   32 CA(0.5)   4 SI(0.4)    0.0
                        (S)   76 O   32 CA(0.5)   4 SI(0.4)    0.0
                        (B)   80 O   32 CA(0.1)   8 SI(0.9)    0.0
                        (B)   84 O   32 CA(0.1)   4 SI(0.9)    0.0
201    363.2455  (B2G)
                        (S)   93 O   33 CA(0.5) 109 O (0.5)    0.0
                        (B)  109 O   33 CA(0.3)  61 O (0.7)    0.0
                        (S)   94 O   34 CA(0.5) 110 O (0.5)    0.0
                        (B)  110 O   34 CA(0.3)  62 O (0.7)    0.0
                        (S)   95 O   35 CA(0.5) 111 O (0.5)    0.0
                        (B)  111 O   35 CA(0.3)  63 O (0.7)    0.0
                        (S)   96 O   36 CA(0.5) 112 O (0.5)    0.0
                        (B)  112 O   36 CA(0.3)  64 O (0.7)    0.0
                        (S)   97 O   37 CA(0.5) 113 O (0.5)    0.0
                        (B)  113 O   37 CA(0.3)  65 O (0.7)    0.0
                        (S)   98 O   38 CA(0.5) 114 O (0.5)    0.0
                        (B)  114 O   38 CA(0.3)  66 O (0.7)    0.0
                        (S)   99 O   39 CA(0.5) 115 O (0.5)    0.0
                        (B)  115 O   39 CA(0.3)  67 O (0.7)    0.0
                        (S)  100 O   40 CA(0.5) 116 O (0.5)    0.0
                        (B)  116 O   40 CA(0.3)  68 O (0.7)    0.0
202    364.9722  (B3U)
                        (B)  109 O   33 CA(0.4)  85 O (0.6)    0.0
                        (B)  110 O   34 CA(0.4)  86 O (0.6)    0.0
                        (B)  111 O   35 CA(0.4)  87 O (0.6)    0.0
                        (B)  112 O   36 CA(0.4)  88 O (0.6)    0.0
                        (B)  113 O   37 CA(0.4)  89 O (0.6)    0.0
                        (B)  114 O   38 CA(0.4)  90 O (0.6)    0.0
                        (B)  115 O   39 CA(0.4)  91 O (0.6)    0.0
                        (B)  116 O   40 CA(0.4)  92 O (0.6)    0.0
203    366.0603  (B1U)
                        (S)   29 CA   1 SI(0.9)                0.0
                        (S)   30 CA   2 SI(0.9)                0.0
                        (S)   32 CA   4 SI(0.9)                0.0
                        (S)   30 CA   6 SI(0.9)                0.0
                        (S)   31 CA   7 SI(0.9)                0.0
                        (S)   32 CA   8 SI(0.9)                0.0
                        (S)   53 O   29 CA(0.8)  27 CA(0.2)    0.0
                        (B)   77 O   29 CA(0.1)   1 SI(0.9)    0.0
                        (S)   54 O   30 CA(0.8)  24 CA(0.2)    0.0
                        (S)   58 O   30 CA(0.8)  24 CA(0.2)    0.0
                        (B)   78 O   30 CA(0.1)   2 SI(0.9)    0.0
                        (B)   82 O   30 CA(0.1)   2 SI(0.9)    0.0
                        (S)   59 O   31 CA(0.8)  21 CA(0.2)    0.0
                        (B)   83 O   31 CA(0.1)   7 SI(0.9)    0.0
                        (S)   56 O   32 CA(0.8)  22 CA(0.2)    0.0
                        (S)   60 O   32 CA(0.8)  22 CA(0.2)    0.0
                        (B)   80 O   32 CA(0.1)   4 SI(0.9)    0.0
                        (B)   84 O   32 CA(0.1)   4 SI(0.9)    0.0
204    368.6695  (B2U)
                        (S)   29 CA   1 SI(0.9)                0.0
                        (S)   30 CA   2 SI(0.9)                0.0
                        (S)   32 CA   4 SI(0.9)                0.0
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                    (S)   30 CA   6 SI(0.9)                0.0
                    (S)   31 CA   7 SI(0.9)                0.0
                    (S)   32 CA   8 SI(0.9)                0.0
                    (B)   17 SI 117 O (0.0)  47 CA(0.9)    0.0
                    (B)   17 SI 120 O (0.0)  46 CA(0.9)    0.0
                    (B)   18 SI 118 O (0.0)  48 CA(0.9)    0.0
                    (B)   18 SI 119 O (0.0)  45 CA(0.9)    0.0
                    (B)   19 SI 121 O (0.0)  43 CA(0.9)    0.0
                    (B)   19 SI 124 O (0.0)  42 CA(0.9)    0.0
                    (B)   20 SI 122 O (0.0)  44 CA(0.9)    0.0
                    (B)   20 SI 123 O (0.0)  41 CA(0.9)    0.0
                    (S)   21 CA  31 CA(0.7)  27 CA(0.3)    0.0
                    (S)   22 CA  32 CA(0.7)  28 CA(0.3)    0.0
                    (S)   24 CA  30 CA(0.7)  26 CA(0.3)    0.0
                    (S)   26 CA  32 CA(0.7)  28 CA(0.3)    0.0
                    (S)   27 CA  29 CA(0.7)  21 CA(0.3)    0.0
                    (S)   28 CA  30 CA(0.7)  22 CA(0.3)    0.0
                    (S)   33 CA  29 CA(0.9)                0.0
                    (B)   69 O   29 CA(0.5)  33 CA(0.5)    0.0
                    (B)   29 CA  77 O (0.2)   1 SI(0.8)    0.0
                    (S)   34 CA  30 CA(0.9)                0.0
                    (S)   38 CA  30 CA(0.9)                0.0
                    (B)   70 O   30 CA(0.5)  34 CA(0.5)    0.0
                    (B)   74 O   30 CA(0.5)  34 CA(0.5)    0.0
                    (B)   30 CA  78 O (0.2)   2 SI(0.8)    0.0
                    (B)   30 CA  82 O (0.2)   6 SI(0.8)    0.0
                    (S)   39 CA  31 CA(0.9)                0.0
                    (B)   75 O   31 CA(0.5)  39 CA(0.5)    0.0
                    (B)   31 CA  83 O (0.2)   7 SI(0.8)    0.0
                    (S)   36 CA  32 CA(0.9)                0.0
                    (S)   40 CA  32 CA(0.9)                0.0
                    (B)   72 O   32 CA(0.5)  36 CA(0.5)    0.0
                    (B)   76 O   32 CA(0.5)  36 CA(0.5)    0.0
                    (B)   32 CA  80 O (0.2)   4 SI(0.8)    0.0
                    (B)   32 CA  84 O (0.2)   8 SI(0.8)    0.0
                    (S)  123 O   41 CA(0.7)  52 CA(0.3)    0.0
                    (S)  124 O   42 CA(0.7)  51 CA(0.3)    0.0
                    (S)  121 O   43 CA(0.7)  51 CA(0.3)    0.0
                    (S)  122 O   44 CA(0.7)  52 CA(0.3)    0.0
                    (S)  119 O   45 CA(0.7)  50 CA(0.3)    0.0
                    (S)  120 O   46 CA(0.7)  49 CA(0.3)    0.0
                    (S)  117 O   47 CA(0.7)  49 CA(0.3)    0.0
                    (S)  118 O   48 CA(0.7)  50 CA(0.3)    0.0
                    (S)  122 O   49 CA(0.9)                0.0
                    (S)  123 O   49 CA(0.9)                0.0
                    (S)  121 O   50 CA(0.9)                0.0
                    (S)  124 O   50 CA(0.9)                0.0
                    (S)  118 O   51 CA(0.9)                0.0
                    (S)  119 O   51 CA(0.9)                0.0
                    (S)  117 O   52 CA(0.9)                0.0
                    (S)  120 O   52 CA(0.9)                0.0
205    369.0692  (AG )
                    (B)  109 O   33 CA(0.3)  27 CA(0.7)    0.0
                    (B)  110 O   34 CA(0.3)  28 CA(0.7)    0.0
                    (B)  111 O   35 CA(0.3)  25 CA(0.7)    0.0
                    (B)  112 O   36 CA(0.3)  26 CA(0.7)    0.0
                    (B)  113 O   37 CA(0.3)  23 CA(0.7)    0.0
                    (B)  114 O   38 CA(0.3)  24 CA(0.7)    0.0
                    (B)  115 O   39 CA(0.3)  21 CA(0.7)    0.0
                    (B)  116 O   40 CA(0.3)  22 CA(0.7)    0.0
206    376.6023  (B3G)
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                    (B)    9 SI  85 O (0.0)  21 CA(0.9)    0.0
                    (B)   10 SI  86 O (0.0)  22 CA(0.9)    0.0
                    (B)   11 SI  87 O (0.0)  23 CA(0.9)    0.0
                    (B)   12 SI  88 O (0.0)  24 CA(0.9)    0.0
                    (B)   13 SI  89 O (0.0)  25 CA(0.9)    0.0
                    (B)   14 SI  90 O (0.0)  26 CA(0.9)    0.0
                    (B)   15 SI  91 O (0.0)  27 CA(0.9)    0.0
                    (B)   16 SI  92 O (0.0)  28 CA(0.9)    0.0
                    (S)   52 CA  17 SI(1.0)                0.0
                    (S)   51 CA  18 SI(1.0)                0.0
                    (S)   50 CA  19 SI(1.0)                0.0
                    (S)   49 CA  20 SI(1.0)                0.0
                    (B)  109 O   49 CA(0.1) 122 O (0.9)    0.0
                    (B)  112 O   49 CA(0.1) 123 O (0.9)    0.0
                    (B)  110 O   50 CA(0.1) 121 O (0.9)    0.0
                    (B)  111 O   50 CA(0.1) 124 O (0.9)    0.0
                    (B)  113 O   51 CA(0.1) 118 O (0.9)    0.0
                    (B)  116 O   51 CA(0.1) 119 O (0.9)    0.0
                    (B)  114 O   52 CA(0.1) 117 O (0.9)    0.0
                    (B)  115 O   52 CA(0.1) 120 O (0.9)    0.0
207    382.2244  (B1G)
                    (S)   41 CA 123 O (0.8)  49 CA(0.2)    0.0
                    (S)   42 CA 124 O (0.8)  50 CA(0.2)    0.0
                    (S)   43 CA 121 O (0.8)  50 CA(0.2)    0.0
                    (S)   44 CA 122 O (0.8)  49 CA(0.2)    0.0
                    (S)   45 CA 119 O (0.8)  51 CA(0.2)    0.0
                    (S)   46 CA 120 O (0.8)  52 CA(0.2)    0.0
                    (S)   47 CA 117 O (0.8)  52 CA(0.2)    0.0
                    (S)   48 CA 118 O (0.8)  51 CA(0.2)   -0.1
208    384.2624  (AU )
                    (B)    9 SI  85 O (0.0)  21 CA(0.9)    0.0
                    (B)   10 SI  86 O (0.0)  22 CA(0.9)    0.0
                    (B)   11 SI  87 O (0.0)  23 CA(0.9)    0.0
                    (B)   12 SI  88 O (0.0)  24 CA(0.9)    0.0
                    (B)   13 SI  89 O (0.0)  25 CA(0.9)    0.0
                    (B)   14 SI  90 O (0.0)  26 CA(0.9)    0.0
                    (B)   15 SI  91 O (0.0)  27 CA(0.9)    0.0
                    (B)   16 SI  92 O (0.0)  28 CA(0.9)    0.0
                    (S)   21 CA  85 O (0.6)   9 SI(0.3)    0.0
                    (S)   22 CA  86 O (0.6)  10 SI(0.3)    0.0
                    (S)   23 CA  87 O (0.6)  11 SI(0.3)    0.0
                    (S)   24 CA  88 O (0.6)  12 SI(0.3)    0.0
                    (S)   25 CA  89 O (0.6)  13 SI(0.3)    0.0
                    (S)   26 CA  90 O (0.6)  14 SI(0.3)    0.0
                    (S)   27 CA  91 O (0.6)  15 SI(0.3)    0.0
                    (S)   28 CA  92 O (0.6)  16 SI(0.3)    0.0
                    (S)   85 O   33 CA(0.7)  47 CA(0.3)    0.0
                    (B)  109 O   33 CA(0.5)  41 CA(0.5)    0.0
                    (S)   34 CA  86 O (0.7)  48 CA(0.3)    0.0
                    (B)  110 O   34 CA(0.5)  42 CA(0.5)    0.0
                    (S)   87 O   35 CA(0.7)  45 CA(0.3)    0.0
                    (B)  111 O   35 CA(0.5)  43 CA(0.5)    0.0
                    (S)   88 O   36 CA(0.7)  46 CA(0.3)    0.0
                    (B)  112 O   36 CA(0.5)  44 CA(0.5)    0.0
                    (S)   37 CA  89 O (0.7)  43 CA(0.3)    0.0
                    (B)  113 O   37 CA(0.5)  45 CA(0.5)    0.0
                    (S)   38 CA  90 O (0.7)  44 CA(0.3)    0.0
                    (B)  114 O   38 CA(0.5)  46 CA(0.5)    0.0
                    (S)   39 CA  91 O (0.7)  41 CA(0.3)    0.0
                    (B)  115 O   39 CA(0.5)  47 CA(0.5)    0.0
                    (S)   40 CA  92 O (0.7)  42 CA(0.3)    0.0
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                        (B)  116 O   40 CA(0.5)  48 CA(0.5)    0.0
                        (B)  109 O   49 CA(0.2)  20 SI(0.8)    0.0
                        (B)  112 O   49 CA(0.2)  20 SI(0.8)    0.0
                        (B)  110 O   50 CA(0.2)  19 SI(0.8)    0.0
                        (B)  111 O   50 CA(0.2)  19 SI(0.8)    0.0
                        (B)  113 O   51 CA(0.2) 116 O (0.8)    0.0
                        (B)  116 O   51 CA(0.2) 113 O (0.8)    0.0
                        (B)  114 O   52 CA(0.2)  17 SI(0.8)    0.0
                        (B)  115 O   52 CA(0.2)  17 SI(0.8)    0.0
209    387.7895  (B2G)
                        (B)   69 O    1 SI(0.0)  77 O (1.0)    0.0
                        (B)   70 O    2 SI(0.0)  78 O (1.0)    0.0
                        (B)   71 O    3 SI(0.0)  79 O (1.0)    0.0
                        (B)   72 O    4 SI(0.0)  80 O (1.0)    0.0
                        (B)   73 O    5 SI(0.0)  81 O (1.0)    0.0
                        (B)   74 O    6 SI(0.0)  82 O (1.0)    0.0
                        (B)   75 O    7 SI(0.0)  83 O (1.0)    0.0
                        (B)   76 O    8 SI(0.0)  84 O (1.0)    0.0
                        (B)   53 O   21 CA(0.5)  29 CA(0.5)    0.0
                        (B)   21 CA  75 O (0.4)  31 CA(0.6)    0.0
                        (B)   54 O   22 CA(0.5)  30 CA(0.5)    0.0
                        (B)   22 CA  74 O (0.4)   6 SI(0.5)    0.0
                        (B)   76 O   22 CA(0.4)  32 CA(0.6)    0.0
                        (B)   23 CA  55 O (0.5)   3 SI(0.5)    0.0
                        (B)   73 O   23 CA(0.4)  55 O (0.6)    0.0
                        (B)   56 O   24 CA(0.5)  32 CA(0.5)    0.0
                        (B)   74 O   24 CA(0.4)  30 CA(0.6)    0.0
                        (B)   24 CA  76 O (0.4)   8 SI(0.5)    0.0
                        (B)   25 CA  57 O (0.5)   5 SI(0.5)    0.0
                        (B)   71 O   25 CA(0.4)  57 O (0.6)    0.0
                        (B)   58 O   26 CA(0.5)  30 CA(0.5)    0.0
                        (B)   26 CA  70 O (0.4)   2 SI(0.5)    0.0
                        (B)   26 CA  72 O (0.4)  32 CA(0.6)    0.0
                        (B)   59 O   27 CA(0.5)  31 CA(0.5)    0.0
                        (B)   69 O   27 CA(0.4)  29 CA(0.6)    0.0
                        (B)   60 O   28 CA(0.5)  32 CA(0.5)    0.0
                        (B)   28 CA  70 O (0.4)  30 CA(0.6)    0.0
                        (B)   28 CA  72 O (0.4)   4 SI(0.5)    0.0
210    388.4171  (B3U)
                        (S)   29 CA   1 SI(0.7)  33 CA(0.3)    0.0
                        (S)   30 CA   2 SI(0.7)  34 CA(0.3)    0.0
                        (S)   32 CA   4 SI(0.7)  36 CA(0.3)    0.0
                        (S)    6 SI  30 CA(0.7)  34 CA(0.3)    0.0
                        (S)   31 CA   7 SI(0.7)  39 CA(0.3)    0.0
                        (S)   32 CA   8 SI(0.7)  40 CA(0.3)    0.0
211    388.5975  (B2U)
                        (S)   41 CA 123 O (0.8)  49 CA(0.2)    0.0
                        (S)   42 CA 124 O (0.8)  50 CA(0.2)    0.0
                        (S)   43 CA 121 O (0.8)  50 CA(0.2)    0.0
                        (S)   44 CA 122 O (0.8)  49 CA(0.2)    0.0
                        (S)   45 CA 119 O (0.8)  51 CA(0.2)    0.0
                        (S)   46 CA 120 O (0.8)  52 CA(0.2)    0.0
                        (S)   47 CA 117 O (0.8)  52 CA(0.2)    0.0
                        (S)   48 CA 118 O (0.8)  51 CA(0.2)   -0.1
212    389.9090  (AG )
                        (B)   69 O    1 SI(0.0)  77 O (1.0)    0.0
                        (B)   70 O    2 SI(0.0)  78 O (1.0)    0.0
                        (B)   71 O    3 SI(0.0)  79 O (1.0)    0.0
                        (B)   72 O    4 SI(0.0)  80 O (1.0)    0.0
                        (B)   73 O    5 SI(0.0)  81 O (1.0)    0.0
                        (B)   74 O    6 SI(0.0)  82 O (1.0)    0.0
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                        (B)   75 O    7 SI(0.0)  83 O (1.0)    0.0
                        (B)   76 O    8 SI(0.0)  84 O (1.0)    0.0
                        (B)   21 CA  75 O (0.3)  31 CA(0.7)    0.0
                        (B)   22 CA  74 O (0.4)   6 SI(0.5)    0.0
                        (B)   76 O   22 CA(0.3)  32 CA(0.7)    0.0
                        (B)   73 O   23 CA(0.3)  35 CA(0.6)    0.0
                        (B)   74 O   24 CA(0.3)  30 CA(0.7)    0.0
                        (B)   24 CA  76 O (0.4)   8 SI(0.5)    0.0
                        (B)   71 O   25 CA(0.3)  37 CA(0.6)    0.0
                        (B)   26 CA  70 O (0.4)   2 SI(0.5)    0.0
                        (B)   26 CA  72 O (0.3)  32 CA(0.7)    0.0
                        (B)   69 O   27 CA(0.3)  29 CA(0.7)    0.0
                        (B)   28 CA  70 O (0.3)  30 CA(0.7)    0.0
                        (B)   28 CA  72 O (0.4)   4 SI(0.5)    0.0
213    391.3172  (B1U)
                        (S)  123 O   41 CA(0.7)  91 O (0.3)    0.0
                        (S)  124 O   42 CA(0.7)  92 O (0.3)    0.0
                        (S)  121 O   43 CA(0.7)  89 O (0.3)    0.0
                        (S)  122 O   44 CA(0.7)  90 O (0.3)    0.0
                        (S)  119 O   45 CA(0.7)  87 O (0.3)    0.0
                        (S)  120 O   46 CA(0.7)  88 O (0.3)    0.0
                        (S)  117 O   47 CA(0.7)  85 O (0.3)    0.0
                        (S)  118 O   48 CA(0.7)  86 O (0.3)   -0.1
214    394.2400  (B2G)
                        (S)   41 CA 123 O (0.8)  20 SI(0.2)    0.0
                        (S)   42 CA 124 O (0.8)  19 SI(0.2)    0.0
                        (S)   43 CA 121 O (0.8)  19 SI(0.2)    0.0
                        (S)   44 CA 122 O (0.8)  20 SI(0.2)    0.0
                        (S)   45 CA 119 O (0.8)  18 SI(0.2)    0.0
                        (S)   46 CA 120 O (0.8)  17 SI(0.2)    0.0
                        (S)   47 CA 117 O (0.8)  17 SI(0.2)    0.0
                        (S)   48 CA 118 O (0.8)  18 SI(0.2)   -0.1
215    395.7928  (B2U)
                        (B)   85 O   21 CA(0.4)  31 CA(0.6)    0.0
                        (B)   86 O   22 CA(0.4)  32 CA(0.6)    0.0
                        (B)   23 CA  87 O (0.4)  45 CA(0.5)    0.0
                        (B)   88 O   24 CA(0.4)  30 CA(0.6)    0.0
                        (B)   25 CA  89 O (0.4)  43 CA(0.5)    0.0
                        (B)   90 O   26 CA(0.4)  32 CA(0.6)    0.0
                        (B)   91 O   27 CA(0.4)  29 CA(0.6)    0.0
                        (B)   92 O   28 CA(0.4)  30 CA(0.6)    0.0
                        (B)   85 O   33 CA(0.1)  77 O (0.9)    0.0
                        (B)   86 O   34 CA(0.1)  78 O (0.9)    0.0
                        (B)   87 O   35 CA(0.1)  79 O (0.9)    0.0
                        (B)   88 O   36 CA(0.1)  80 O (0.9)    0.0
                        (B)   89 O   37 CA(0.1)  81 O (0.9)    0.0
                        (B)   90 O   38 CA(0.1)  82 O (0.9)    0.0
                        (B)   91 O   39 CA(0.1)  83 O (0.9)    0.0
                        (B)   92 O   40 CA(0.1)  84 O (0.9)    0.0
                        (S)   91 O   41 CA(0.9)                0.0
                        (S)   92 O   42 CA(0.9)                0.0
                        (S)   89 O   43 CA(0.9)                0.0
                        (S)   90 O   44 CA(0.9)                0.0
                        (S)   87 O   45 CA(0.9)                0.0
                        (S)   88 O   46 CA(0.9)                0.0
                        (S)   85 O   47 CA(0.9)                0.0
                        (S)   86 O   48 CA(0.9)                0.0
216    396.0207  (B1G)
                        (B)   21 CA  53 O (0.4)   1 SI(0.6)    0.0
                        (B)   21 CA  85 O (0.5)  47 CA(0.5)    0.0
                        (B)   22 CA  54 O (0.4)   2 SI(0.6)    0.0
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		(B)	22	CA	86	O (0.5)	48	CA(0.5)	0.0
		(B)	23	CA	55	O (0.4)	3	SI(0.6)	0.0
		(B)	23	CA	87	O (0.5)	45	CA(0.5)	0.0
		(B)	24	CA	56	O (0.4)	4	SI(0.6)	0.0
		(B)	24	CA	88	O (0.5)	46	CA(0.5)	0.0
		(B)	25	CA	57	O (0.4)	5	SI(0.6)	0.0
		(B)	25	CA	89	O (0.5)	43	CA(0.5)	0.0
		(B)	26	CA	58	O (0.4)	6	SI(0.6)	0.0
		(B)	26	CA	90	O (0.5)	44	CA(0.5)	0.0
		(B)	27	CA	59	O (0.4)	7	SI(0.6)	0.0
		(B)	27	CA	91	O (0.5)	41	CA(0.5)	0.0
		(B)	28	CA	60	O (0.4)	8	SI(0.6)	0.0
		(B)	28	CA	92	O (0.5)	42	CA(0.5)	0.0
		(S)	91	O	41	CA(0.9)			0.0
		(S)	92	O	42	CA(0.9)			0.0
		(S)	89	O	43	CA(0.9)			0.0
		(S)	90	O	44	CA(0.9)			0.0
		(S)	87	O	45	CA(0.9)			0.0
		(S)	88	O	46	CA(0.9)			0.0
		(S)	85	O	47	CA(0.9)			0.0
		(S)	86	O	48	CA(0.9)			0.0
217	397.9579	(B1U)							
		(S)	93	O	33	CA(0.9)			0.0
		(S)	94	O	34	CA(0.9)			0.0
		(S)	95	O	35	CA(0.9)			0.0
		(S)	96	O	36	CA(0.9)			0.0
		(S)	97	O	37	CA(0.9)			0.0
		(S)	98	O	38	CA(0.9)			0.0
		(S)	99	O	39	CA(0.9)			0.0
		(S)	100	O	40	CA(0.9)			0.0
218	399.2213	(B3G)							
		(B)	69	O	1	SI(0.0)	33	CA(1.0)	0.0
		(B)	70	O	2	SI(0.0)	34	CA(1.0)	0.0
		(B)	71	O	3	SI(0.0)	35	CA(1.0)	0.0
		(B)	72	O	4	SI(0.0)	36	CA(1.0)	0.0
		(B)	73	O	5	SI(0.0)	37	CA(1.0)	0.0
		(B)	74	O	6	SI(0.0)	38	CA(1.0)	0.0
		(B)	75	O	7	SI(0.0)	39	CA(1.0)	0.0
		(B)	76	O	8	SI(0.0)	40	CA(1.0)	0.0
		(B)	53	O	21	CA(0.4)	29	CA(0.6)	0.0
		(B)	54	O	22	CA(0.4)	30	CA(0.6)	0.0
		(B)	22	CA	74	O (0.5)	6	SI(0.5)	0.0
		(B)	55	O	23	CA(0.4)	65	O (0.6)	0.0
		(B)	56	O	24	CA(0.4)	32	CA(0.6)	0.0
		(B)	24	CA	76	O (0.5)	8	SI(0.5)	0.0
		(B)	57	O	25	CA(0.4)	63	O (0.6)	0.0
		(B)	58	O	26	CA(0.4)	30	CA(0.6)	0.0
		(B)	26	CA	70	O (0.5)	2	SI(0.5)	0.0
		(B)	59	O	27	CA(0.4)	31	CA(0.6)	0.0
		(B)	60	O	28	CA(0.4)	32	CA(0.6)	0.0
		(B)	28	CA	72	O (0.5)	4	SI(0.5)	0.0
219	402.1969	(B2G)							
		(S)	61	O	33	CA(0.7)	47	CA(0.2)	0.0
		(B)	85	O	33	CA(0.1)	41	CA(0.9)	0.0
		(S)	62	O	34	CA(0.7)	48	CA(0.2)	0.0
		(B)	86	O	34	CA(0.1)	42	CA(0.9)	0.0
		(S)	63	O	35	CA(0.7)	45	CA(0.2)	0.0
		(B)	87	O	35	CA(0.1)	43	CA(0.9)	0.0
		(S)	64	O	36	CA(0.7)	46	CA(0.2)	0.0
		(B)	88	O	36	CA(0.1)	44	CA(0.9)	0.0
		(S)	65	O	37	CA(0.7)	43	CA(0.2)	0.0

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                    (B)   89 O   37 CA(0.1)  45 CA(0.9)    0.0
                    (S)   66 O   38 CA(0.7)  44 CA(0.2)    0.0
                    (B)   90 O   38 CA(0.1)  46 CA(0.9)    0.0
                    (S)   67 O   39 CA(0.7)  41 CA(0.2)    0.0
                    (B)   91 O   39 CA(0.1)  47 CA(0.9)    0.0
                    (S)   68 O   40 CA(0.7)  42 CA(0.2)    0.0
                    (B)   92 O   40 CA(0.1)  48 CA(0.9)    0.0
                    (B)   61 O   41 CA(0.2) 123 O (0.8)    0.0
                    (S)   91 O   41 CA(0.9)                0.0
                    (S)  123 O   41 CA(0.6)  52 CA(0.4)    0.0
                    (B)   62 O   42 CA(0.2) 124 O (0.8)    0.0
                    (S)   92 O   42 CA(0.9)                0.0
                    (S)  124 O   42 CA(0.6)  51 CA(0.4)    0.0
                    (B)   63 O   43 CA(0.2) 121 O (0.8)    0.0
                    (S)   89 O   43 CA(0.9)                0.0
                    (S)  121 O   43 CA(0.6)  51 CA(0.4)    0.0
                    (B)   64 O   44 CA(0.2) 122 O (0.8)    0.0
                    (S)   90 O   44 CA(0.9)                0.0
                    (S)  122 O   44 CA(0.6)  52 CA(0.4)    0.0
                    (B)   65 O   45 CA(0.2) 119 O (0.8)    0.0
                    (S)   87 O   45 CA(0.9)                0.0
                    (S)  119 O   45 CA(0.6)  50 CA(0.4)    0.0
                    (B)   66 O   46 CA(0.2) 120 O (0.8)    0.0
                    (S)   88 O   46 CA(0.9)                0.0
                    (S)  120 O   46 CA(0.6)  49 CA(0.4)    0.0
                    (B)   67 O   47 CA(0.2) 117 O (0.8)    0.0
                    (S)   85 O   47 CA(0.9)                0.0
                    (S)  117 O   47 CA(0.6)  49 CA(0.4)    0.0
                    (B)   68 O   48 CA(0.2) 118 O (0.8)    0.0
                    (S)   86 O   48 CA(0.9)                0.0
                    (S)  118 O   48 CA(0.6)  50 CA(0.4)    0.0
220    404.4113  (B1G)
                    (B)   85 O   21 CA(0.4)  39 CA(0.6)    0.0
                    (B)   86 O   22 CA(0.4)  40 CA(0.6)    0.0
                    (B)   87 O   23 CA(0.4)  37 CA(0.6)    0.0
                    (B)   88 O   24 CA(0.4)  38 CA(0.6)    0.0
                    (B)   89 O   25 CA(0.4)  35 CA(0.6)    0.0
                    (B)   90 O   26 CA(0.4)  36 CA(0.6)    0.0
                    (B)   91 O   27 CA(0.4)  33 CA(0.6)    0.0
                    (B)   92 O   28 CA(0.4)  34 CA(0.6)    0.0
                    (S)   33 CA  53 O (0.8)  29 CA(0.2)    0.0
                    (B)   85 O   33 CA(0.1)  77 O (0.8)    0.0
                    (S)   93 O   33 CA(0.9)                0.0
                    (S)   34 CA  54 O (0.8)  30 CA(0.2)    0.0
                    (B)   86 O   34 CA(0.1)  78 O (0.8)    0.0
                    (S)   94 O   34 CA(0.9)                0.0
                    (S)   55 O   35 CA(0.8)  50 CA(0.2)    0.0
                    (B)   87 O   35 CA(0.1)  79 O (0.8)    0.0
                    (S)   95 O   35 CA(0.9)                0.0
                    (S)   56 O   36 CA(0.8)  32 CA(0.2)    0.0
                    (B)   88 O   36 CA(0.1)  80 O (0.8)    0.0
                    (S)   96 O   36 CA(0.9)                0.0
                    (S)   57 O   37 CA(0.8)  51 CA(0.2)    0.0
                    (B)   89 O   37 CA(0.1)  81 O (0.8)    0.0
                    (S)   97 O   37 CA(0.9)                0.0
                    (S)   38 CA  58 O (0.8)  30 CA(0.2)    0.0
                    (B)   90 O   38 CA(0.1)  82 O (0.8)    0.0
                    (S)   98 O   38 CA(0.9)                0.0
                    (S)   59 O   39 CA(0.8)  31 CA(0.2)    0.0
                    (B)   91 O   39 CA(0.1)  83 O (0.8)    0.0
                    (S)   99 O   39 CA(0.9)                0.0
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                    (S)   60 O   40 CA(0.8)  32 CA(0.2)    0.0
                    (B)   92 O   40 CA(0.1)  84 O (0.8)    0.0
                    (S)  100 O   40 CA(0.9)                0.0
221    407.9783  (AG )
                    (B)   67 O   21 CA(0.4)  39 CA(0.6)    0.0
                    (B)   68 O   22 CA(0.4)  40 CA(0.6)    0.0
                    (B)   23 CA  65 O (0.4)  37 CA(0.6)    0.0
                    (B)   66 O   24 CA(0.4)  38 CA(0.6)    0.0
                    (B)   63 O   25 CA(0.4)  35 CA(0.6)    0.0
                    (B)   64 O   26 CA(0.4)  36 CA(0.6)    0.0
                    (B)   61 O   27 CA(0.4)  33 CA(0.6)    0.0
                    (B)   28 CA  62 O (0.4)  34 CA(0.6)    0.0
                    (S)   61 O   33 CA(0.6)  47 CA(0.4)    0.0
                    (S)   93 O   33 CA(0.9)                0.0
                    (S)   62 O   34 CA(0.6)  48 CA(0.4)    0.0
                    (S)   94 O   34 CA(0.9)                0.0
                    (S)   63 O   35 CA(0.6)  45 CA(0.4)    0.0
                    (S)   95 O   35 CA(0.9)                0.0
                    (S)   64 O   36 CA(0.6)  46 CA(0.4)    0.0
                    (S)   96 O   36 CA(0.9)                0.0
                    (S)   65 O   37 CA(0.6)  43 CA(0.4)    0.0
                    (S)   97 O   37 CA(0.9)                0.0
                    (S)   66 O   38 CA(0.6)  44 CA(0.4)    0.0
                    (S)   98 O   38 CA(0.9)                0.0
                    (S)   67 O   39 CA(0.6)  41 CA(0.4)    0.0
                    (S)   99 O   39 CA(0.9)                0.0
                    (S)   68 O   40 CA(0.6)  42 CA(0.4)    0.0
                    (S)  100 O   40 CA(0.9)                0.0
222    409.7877  (B3U)
                    (S)   53 O   29 CA(1.0)                0.0
                    (S)   54 O   30 CA(1.0)                0.0
                    (S)   58 O   30 CA(1.0)                0.0
                    (S)   59 O   31 CA(1.0)                0.0
                    (S)   56 O   32 CA(1.0)                0.0
                    (S)   60 O   32 CA(1.0)                0.0
                    (S)   61 O   33 CA(0.6)  47 CA(0.4)    0.0
                    (S)   62 O   34 CA(0.6)  48 CA(0.4)    0.0
                    (S)   63 O   35 CA(0.6)  45 CA(0.4)    0.0
                    (S)   64 O   36 CA(0.6)  46 CA(0.4)    0.0
                    (S)   65 O   37 CA(0.6)  43 CA(0.4)    0.0
                    (S)   66 O   38 CA(0.6)  44 CA(0.4)    0.0
                    (S)   67 O   39 CA(0.6)  41 CA(0.4)    0.0
                    (S)   68 O   40 CA(0.6)  42 CA(0.4)    0.0
223    410.7644  (AU )
                    (B)   69 O    1 SI(0.0)  33 CA(0.9)    0.0
                    (B)    2 SI  70 O (0.0)  26 CA(1.0)    0.0
                    (B)   71 O    3 SI(0.0)  35 CA(0.9)    0.0
                    (B)    4 SI  72 O (0.0)  28 CA(1.0)    0.0
                    (B)   73 O    5 SI(0.0)  37 CA(0.9)    0.0
                    (B)    6 SI  74 O (0.0)  22 CA(1.0)    0.0
                    (B)   75 O    7 SI(0.0)  39 CA(0.9)    0.0
                    (B)    8 SI  76 O (0.0)  24 CA(1.0)    0.0
                    (S)   21 CA  75 O (0.6)  31 CA(0.4)    0.0
                    (B)   22 CA  74 O (0.4)   6 SI(0.6)    0.0
                    (S)   76 O   22 CA(0.6)  32 CA(0.4)    0.0
                    (S)   73 O   23 CA(0.6)  35 CA(0.4)    0.0
                    (S)   74 O   24 CA(0.6)  30 CA(0.4)    0.0
                    (B)   24 CA  76 O (0.4)   8 SI(0.6)    0.0
                    (S)   71 O   25 CA(0.6)  37 CA(0.4)    0.0
                    (B)   26 CA  70 O (0.4)   2 SI(0.6)    0.0
                    (S)   26 CA  72 O (0.6)  32 CA(0.4)    0.0
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                    (S)   69 O   27 CA(0.6)  29 CA(0.4)    0.0
                    (S)   28 CA  70 O (0.6)  30 CA(0.4)    0.0
                    (B)   28 CA  72 O (0.4)   4 SI(0.6)    0.0
                    (S)   29 CA  69 O (0.6)  27 CA(0.4)    0.0
                    (S)   70 O   30 CA(0.6)  24 CA(0.4)    0.0
                    (S)   74 O   30 CA(0.6)  28 CA(0.4)    0.0
                    (S)   31 CA  75 O (0.6)  21 CA(0.4)    0.0
                    (S)   72 O   32 CA(0.6)  26 CA(0.4)    0.0
                    (S)   32 CA  76 O (0.6)  22 CA(0.4)    0.0
224    412.4748  (B2U)
                    (B)   69 O    1 SI(0.0)  33 CA(0.9)    0.0
                    (B)    2 SI  70 O (0.0)  26 CA(1.0)    0.0
                    (B)   71 O    3 SI(0.0)  35 CA(0.9)    0.0
                    (B)    4 SI  72 O (0.0)  28 CA(1.0)    0.0
                    (B)   73 O    5 SI(0.0)  37 CA(0.9)    0.0
                    (B)    6 SI  74 O (0.0)  22 CA(1.0)    0.0
                    (B)   75 O    7 SI(0.0)  39 CA(0.9)    0.0
                    (B)    8 SI  76 O (0.0)  24 CA(1.0)    0.0
                    (S)   21 CA  75 O (0.6)  31 CA(0.4)    0.0
                    (B)   22 CA  74 O (0.4)   6 SI(0.6)    0.0
                    (S)   76 O   22 CA(0.6)  32 CA(0.4)    0.0
                    (S)   73 O   23 CA(0.6)  55 O (0.4)    0.0
                    (S)   74 O   24 CA(0.6)  30 CA(0.4)    0.0
                    (B)   24 CA  76 O (0.4)   8 SI(0.6)    0.0
                    (S)   71 O   25 CA(0.6)  57 O (0.4)    0.0
                    (B)   26 CA  70 O (0.4)   2 SI(0.6)    0.0
                    (S)   26 CA  72 O (0.6)  32 CA(0.4)    0.0
                    (S)   69 O   27 CA(0.6)  29 CA(0.4)    0.0
                    (S)   28 CA  70 O (0.6)  30 CA(0.4)    0.0
                    (B)   28 CA  72 O (0.4)   4 SI(0.6)    0.0
                    (S)   29 CA  69 O (0.5)  27 CA(0.5)    0.0
                    (B)   77 O   29 CA(0.1)  21 CA(0.8)    0.0
                    (S)   70 O   30 CA(0.5)  28 CA(0.5)    0.0
                    (S)   74 O   30 CA(0.5)  28 CA(0.5)    0.0
                    (B)   78 O   30 CA(0.1)  22 CA(0.8)    0.0
                    (B)   82 O   30 CA(0.1)  22 CA(0.8)    0.0
                    (S)   31 CA  75 O (0.5)  21 CA(0.5)    0.0
                    (B)   83 O   31 CA(0.1)  27 CA(0.8)    0.0
                    (S)   72 O   32 CA(0.5)  26 CA(0.5)    0.0
                    (S)   32 CA  76 O (0.5)  22 CA(0.5)    0.0
                    (B)   80 O   32 CA(0.1)  28 CA(0.8)    0.0
                    (B)   84 O   32 CA(0.1)  24 CA(0.8)    0.0
                    (S)   53 O   33 CA(1.0)                0.0
                    (S)   54 O   34 CA(1.0)                0.0
                    (S)   55 O   35 CA(1.0)                0.0
                    (S)   56 O   36 CA(1.0)                0.0
                    (S)   57 O   37 CA(1.0)                0.0
                    (S)   58 O   38 CA(1.0)                0.0
                    (S)   59 O   39 CA(1.0)                0.0
                    (S)   60 O   40 CA(1.0)                0.0
225    416.7987  (B1U)
                    (B)   69 O    1 SI(0.0)  77 O (1.0)    0.0
                    (B)   70 O    2 SI(0.0)  78 O (1.0)    0.0
                    (B)   71 O    3 SI(0.0)  79 O (1.0)    0.0
                    (B)   72 O    4 SI(0.0)  80 O (1.0)    0.0
                    (B)   73 O    5 SI(0.0)  81 O (1.0)    0.0
                    (B)   74 O    6 SI(0.0)  82 O (1.0)    0.0
                    (B)   75 O    7 SI(0.0)  83 O (1.0)    0.0
                    (B)   76 O    8 SI(0.0)  84 O (1.0)    0.0
                    (B)   75 O   21 CA(0.3)  31 CA(0.7)    0.0
                    (S)   74 O   22 CA(0.5)  86 O (0.4)    0.0
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                    (B)   76 O   22 CA(0.3)  32 CA(0.7)    0.0
                    (B)   73 O   23 CA(0.3)  55 O (0.7)    0.0
                    (B)   74 O   24 CA(0.3)  30 CA(0.7)    0.0
                    (S)   76 O   24 CA(0.5)  88 O (0.4)    0.0
                    (B)   71 O   25 CA(0.3)  57 O (0.7)    0.0
                    (S)   70 O   26 CA(0.5)  90 O (0.4)    0.0
                    (B)   26 CA  72 O (0.3)  32 CA(0.7)    0.0
                    (B)   69 O   27 CA(0.3)  29 CA(0.7)    0.0
                    (B)   28 CA  70 O (0.3)  30 CA(0.7)    0.0
                    (S)   72 O   28 CA(0.5)  92 O (0.4)    0.0
                    (S)   29 CA  69 O (0.6)  27 CA(0.4)    0.0
                    (S)   70 O   30 CA(0.6)  28 CA(0.4)    0.0
                    (S)   74 O   30 CA(0.6)  28 CA(0.4)    0.0
                    (S)   31 CA  75 O (0.6)  21 CA(0.4)    0.0
                    (S)   72 O   32 CA(0.6)  26 CA(0.4)    0.0
                    (S)   32 CA  76 O (0.6)  22 CA(0.4)    0.0
226    421.2466  (B3G)
                    (B)    1 SI  61 O (0.0)  41 CA(1.0)    0.0
                    (B)    2 SI  62 O (0.0)  42 CA(1.0)    0.0
                    (B)    3 SI  63 O (0.0)  43 CA(1.0)    0.0
                    (B)    4 SI  64 O (0.0)  44 CA(1.0)    0.0
                    (B)    5 SI  65 O (0.0)  45 CA(1.0)    0.0
                    (B)    6 SI  66 O (0.0)  46 CA(1.0)    0.0
                    (B)    7 SI  67 O (0.0)  47 CA(1.0)    0.0
                    (B)    8 SI  68 O (0.0)  48 CA(1.0)    0.0
                    (S)   67 O   21 CA(0.8)  39 CA(0.2)    0.0
                    (S)   68 O   22 CA(0.8)  40 CA(0.2)    0.0
                    (S)   23 CA  65 O (0.8)  37 CA(0.2)    0.0
                    (S)   24 CA  66 O (0.8)  38 CA(0.2)    0.0
                    (S)   63 O   25 CA(0.8)  35 CA(0.2)    0.0
                    (S)   64 O   26 CA(0.8)  36 CA(0.2)    0.0
                    (S)   61 O   27 CA(0.8)  33 CA(0.2)    0.0
                    (S)   28 CA  62 O (0.8)  34 CA(0.2)    0.0
                    (S)   41 CA  61 O (0.6)   1 SI(0.4)    0.0
                    (S)   42 CA  62 O (0.6)   2 SI(0.4)    0.0
                    (S)   43 CA  63 O (0.6)   3 SI(0.4)    0.0
                    (S)   44 CA  64 O (0.6)   4 SI(0.4)    0.0
                    (S)   45 CA  65 O (0.6)   5 SI(0.4)    0.0
                    (S)   46 CA  66 O (0.6)   6 SI(0.4)    0.0
                    (S)   47 CA  67 O (0.6)   7 SI(0.4)    0.0
                    (S)   48 CA  68 O (0.6)   8 SI(0.4)    0.0
227    421.8606  (B3U)
                    (B)   53 O    1 SI(0.0)  33 CA(1.0)    0.0
                    (B)   54 O    2 SI(0.0)  34 CA(1.0)    0.0
                    (B)   55 O    3 SI(0.0)  35 CA(1.0)    0.0
                    (B)    4 SI  56 O (0.0)  36 CA(1.0)    0.0
                    (B)    5 SI  57 O (0.0)  37 CA(1.0)    0.0
                    (B)    6 SI  58 O (0.0)  38 CA(1.0)    0.0
                    (B)    7 SI  59 O (0.0)  39 CA(1.0)    0.0
                    (B)    8 SI  60 O (0.0)  40 CA(1.0)    0.0
                    (B)   75 O   21 CA(0.5)  29 CA(0.5)    0.0
                    (S)   22 CA  74 O (0.7)   6 SI(0.2)    0.0
                    (B)   76 O   22 CA(0.5)  30 CA(0.5)    0.0
                    (B)   73 O   23 CA(0.5)  81 O (0.5)    0.0
                    (B)   74 O   24 CA(0.5)  32 CA(0.5)    0.0
                    (S)   24 CA  76 O (0.7)   8 SI(0.2)    0.0
                    (B)   71 O   25 CA(0.5)  79 O (0.5)    0.0
                    (S)   26 CA  70 O (0.7)   2 SI(0.2)    0.0
                    (B)   72 O   26 CA(0.5)  30 CA(0.5)    0.0
                    (B)   69 O   27 CA(0.5)  31 CA(0.5)    0.0
                    (B)   70 O   28 CA(0.5)  32 CA(0.5)    0.0
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                        (S)   28 CA  72 O (0.7)   4 SI(0.2)    0.0
                        (B)   69 O   29 CA(0.3)  77 O (0.7)    0.0
                        (B)   70 O   30 CA(0.3)  78 O (0.7)    0.0
                        (B)   74 O   30 CA(0.3)  82 O (0.7)    0.0
                        (B)   75 O   31 CA(0.3)  83 O (0.7)    0.0
                        (B)   72 O   32 CA(0.3)  80 O (0.7)    0.0
                        (B)   76 O   32 CA(0.3)  80 O (0.7)    0.0
228    424.0993  (B1G)
                        (B)    1 SI  61 O (0.0)  41 CA(1.0)    0.0
                        (B)    2 SI  62 O (0.0)  42 CA(1.0)    0.0
                        (B)    3 SI  63 O (0.0)  43 CA(1.0)    0.0
                        (B)    4 SI  64 O (0.0)  44 CA(1.0)    0.0
                        (B)    5 SI  65 O (0.0)  45 CA(1.0)    0.0
                        (B)    6 SI  66 O (0.0)  46 CA(1.0)    0.0
                        (B)    7 SI  67 O (0.0)  47 CA(1.0)    0.0
                        (B)    8 SI  68 O (0.0)  48 CA(1.0)    0.0
                        (B)   61 O   33 CA(0.4)  27 CA(0.6)    0.0
                        (B)   34 CA  62 O (0.4)  28 CA(0.6)    0.0
                        (B)   63 O   35 CA(0.4)  25 CA(0.6)    0.0
                        (B)   36 CA  64 O (0.4)  26 CA(0.6)    0.0
                        (B)   65 O   37 CA(0.4)  23 CA(0.6)    0.0
                        (B)   38 CA  66 O (0.4)  24 CA(0.6)    0.0
                        (B)   39 CA  67 O (0.4)  21 CA(0.6)    0.0
                        (B)   40 CA  68 O (0.4)  22 CA(0.6)    0.0
                        (B)   41 CA  61 O (0.5)   1 SI(0.5)    0.0
                        (B)   42 CA  62 O (0.5)   2 SI(0.5)    0.0
                        (B)   43 CA  63 O (0.5)   3 SI(0.5)    0.0
                        (B)   44 CA  64 O (0.5)   4 SI(0.5)    0.0
                        (B)   45 CA  65 O (0.5)   5 SI(0.5)    0.0
                        (B)   46 CA  66 O (0.5)   6 SI(0.5)    0.0
                        (B)   47 CA  67 O (0.5)   7 SI(0.5)    0.0
                        (B)   48 CA  68 O (0.5)   8 SI(0.5)    0.0
229    424.7262  (AU )
                        (S)   53 O   29 CA(0.9)               0.0
                        (S)   54 O   30 CA(0.9)               0.0
                        (S)   58 O   30 CA(0.9)               0.0
                        (S)   59 O   31 CA(0.9)               0.0
                        (S)   56 O   32 CA(0.9)               0.0
                        (S)   60 O   32 CA(0.9)               0.0
230    425.0032  (B2U)
                        (S)   53 O   29 CA(0.9)               0.0
                        (S)   54 O   30 CA(0.9)               0.0
                        (S)   58 O   30 CA(0.9)               0.0
                        (S)   59 O   31 CA(0.9)               0.0
                        (S)   56 O   32 CA(0.9)               0.0
                        (S)   60 O   32 CA(0.9)               0.0
231    425.6804  (AU )
                        (B)  101 O   17 SI(0.0) 104 O (1.0)    0.0
                        (B)  104 O   17 SI(0.0)  52 CA(1.0)    0.0
                        (B)  102 O   18 SI(0.0)  51 CA(1.0)    0.0
                        (B)  103 O   18 SI(0.0) 102 O (1.0)    0.0
                        (B)  105 O   19 SI(0.0)  50 CA(1.0)    0.0
                        (B)  108 O   19 SI(0.0) 105 O (1.0)    0.0
                        (B)  106 O   20 SI(0.0)  49 CA(1.0)    0.0
                        (B)  107 O   20 SI(0.0)  49 CA(1.0)    0.0
                        (S)   93 O   33 CA(1.0)               0.0
                        (S)   94 O   34 CA(1.0)               0.0
                        (S)   95 O   35 CA(1.0)               0.0
                        (S)   96 O   36 CA(1.0)               0.0
                        (S)   97 O   37 CA(1.0)               0.0
                        (S)   98 O   38 CA(1.0)               0.0
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                    (S)   99 O   39 CA(1.0)                0.0
                    (S)  100 O   40 CA(1.0)                0.0
232    427.8219  (B3G)
                    (B)   17 SI 101 O (0.0)  47 CA(1.0)    0.0
                    (B)   17 SI 104 O (0.0)  46 CA(1.0)    0.0
                    (B)   18 SI 102 O (0.0)  48 CA(1.0)    0.0
                    (B)   18 SI 103 O (0.0)  45 CA(1.0)    0.0
                    (B)   19 SI 105 O (0.0)  43 CA(1.0)    0.0
                    (B)   19 SI 108 O (0.0)  42 CA(1.0)    0.0
                    (B)   20 SI 106 O (0.0)  44 CA(1.0)    0.0
                    (B)   20 SI 107 O (0.0)  41 CA(1.0)    0.0
                    (S)   61 O   33 CA(0.7)  47 CA(0.3)    0.0
                    (S)   93 O   33 CA(0.9)                0.0
                    (S)   62 O   34 CA(0.7)  48 CA(0.3)    0.0
                    (S)   94 O   34 CA(0.9)                0.0
                    (S)   63 O   35 CA(0.7)  45 CA(0.3)    0.0
                    (S)   95 O   35 CA(0.9)                0.0
                    (S)   64 O   36 CA(0.7)  46 CA(0.3)    0.0
                    (S)   96 O   36 CA(0.9)                0.0
                    (S)   65 O   37 CA(0.7)  43 CA(0.3)    0.0
                    (S)   97 O   37 CA(0.9)                0.0
                    (S)   66 O   38 CA(0.7)  44 CA(0.3)    0.0
                    (S)   98 O   38 CA(0.9)                0.0
                    (S)   67 O   39 CA(0.7)  41 CA(0.3)    0.0
                    (S)   99 O   39 CA(0.9)                0.0
                    (S)   68 O   40 CA(0.7)  42 CA(0.3)    0.0
                    (S)  100 O   40 CA(0.9)                0.0
233    428.9413  (B1U)
                    (B)   85 O    9 SI(0.0)  93 O (0.9)    0.0
                    (B)   86 O   10 SI(0.0)  94 O (0.9)    0.0
                    (B)   87 O   11 SI(0.0)  95 O (0.9)    0.0
                    (B)   88 O   12 SI(0.0)  96 O (0.9)    0.0
                    (B)   89 O   13 SI(0.0)  97 O (0.9)    0.0
                    (B)   90 O   14 SI(0.0)  98 O (0.9)    0.0
                    (B)   91 O   15 SI(0.0)  99 O (0.9)    0.0
                    (B)   92 O   16 SI(0.0) 100 O (0.9)    0.0
                    (B)  117 O   17 SI(0.0) 101 O (0.9)    0.0
                    (B)  120 O   17 SI(0.0) 104 O (0.9)    0.0
                    (B)  118 O   18 SI(0.0) 102 O (0.9)    0.0
                    (B)  119 O   18 SI(0.0) 103 O (0.9)    0.0
                    (B)  121 O   19 SI(0.0) 105 O (0.9)    0.0
                    (B)  124 O   19 SI(0.0) 108 O (0.9)    0.0
                    (B)  122 O   20 SI(0.0) 106 O (0.9)    0.0
                    (B)  123 O   20 SI(0.0) 107 O (0.9)    0.0
234    429.7775  (B2G)
                    (B)   53 O    1 SI(0.0)  29 CA(0.9)    0.0
                    (B)   54 O    2 SI(0.0)  30 CA(0.9)    0.0
                    (O)   55 O    3 SI(0.0)  71 O (0.8)    0.0
                    (B)   56 O    4 SI(0.0)  32 CA(0.9)    0.0
                    (O)   57 O    5 SI(0.0)  73 O (0.8)    0.0
                    (B)   58 O    6 SI(0.0)  30 CA(0.9)    0.0
                    (B)    7 SI  59 O (0.0)  31 CA(0.9)    0.0
                    (B)   60 O    8 SI(0.0)  32 CA(0.9)    0.0
                    (B)   53 O   21 CA(0.4)  33 CA(0.6)    0.0
                    (S)   67 O   21 CA(0.6)  83 O (0.4)    0.0
                    (B)   85 O   21 CA(0.2)  33 CA(0.7)    0.0
                    (B)   54 O   22 CA(0.4)  34 CA(0.6)    0.0
                    (S)   68 O   22 CA(0.6)  84 O (0.4)    0.0
                    (B)   22 CA  86 O (0.2)  34 CA(0.7)    0.0
                    (B)   55 O   23 CA(0.4)  35 CA(0.6)    0.0
                    (S)   65 O   23 CA(0.6)  81 O (0.4)    0.0
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                        (B)   23 CA  87 O (0.2)  35 CA(0.7)    0.0
                        (B)   56 O   24 CA(0.4)  36 CA(0.6)    0.0
                        (S)   66 O   24 CA(0.6)  82 O (0.4)    0.0
                        (B)   24 CA  88 O (0.2)  36 CA(0.7)    0.0
                        (B)   57 O   25 CA(0.4)  37 CA(0.6)    0.0
                        (S)   63 O   25 CA(0.6)  79 O (0.4)    0.0
                        (B)   25 CA  89 O (0.2)  37 CA(0.7)    0.0
                        (B)   58 O   26 CA(0.4)  38 CA(0.6)    0.0
                        (S)   64 O   26 CA(0.6)  80 O (0.4)    0.0
                        (B)   90 O   26 CA(0.2)  38 CA(0.7)    0.0
                        (B)   59 O   27 CA(0.4)  39 CA(0.6)    0.0
                        (S)   61 O   27 CA(0.6)  77 O (0.4)    0.0
                        (B)   91 O   27 CA(0.2)  39 CA(0.7)    0.0
                        (B)   60 O   28 CA(0.4)  40 CA(0.6)    0.0
                        (S)   62 O   28 CA(0.6)  78 O (0.4)    0.0
                        (B)   28 CA  92 O (0.2)  40 CA(0.7)    0.0
                        (S)   53 O   29 CA(0.8)  33 CA(0.2)    0.0
                        (S)   54 O   30 CA(0.8)  34 CA(0.2)    0.0
                        (S)   58 O   30 CA(0.8)  34 CA(0.2)    0.0
                        (S)   59 O   31 CA(0.8)  39 CA(0.2)    0.0
                        (S)   56 O   32 CA(0.8)  36 CA(0.2)    0.0
                        (S)   60 O   32 CA(0.8)  36 CA(0.2)    0.0
                        (B)   33 CA  53 O (0.2)  29 CA(0.8)    0.0
                        (B)   61 O   33 CA(0.3) 109 O (0.7)    0.0
                        (B)   34 CA  54 O (0.2)  30 CA(0.8)    0.0
                        (B)   62 O   34 CA(0.3) 110 O (0.7)    0.0
                        (B)   55 O   35 CA(0.2)  50 CA(0.8)    0.0
                        (B)   63 O   35 CA(0.3) 111 O (0.7)    0.0
                        (B)   56 O   36 CA(0.2)  32 CA(0.8)    0.0
                        (B)   64 O   36 CA(0.3) 112 O (0.7)    0.0
                        (B)   57 O   37 CA(0.2)  51 CA(0.8)    0.0
                        (B)   65 O   37 CA(0.3) 113 O (0.7)    0.0
                        (B)   38 CA  58 O (0.2)  30 CA(0.8)    0.0
                        (B)   66 O   38 CA(0.3) 114 O (0.7)    0.0
                        (B)   59 O   39 CA(0.2)  31 CA(0.8)    0.0
                        (B)   67 O   39 CA(0.3) 115 O (0.7)    0.0
                        (B)   60 O   40 CA(0.2)  32 CA(0.8)    0.0
                        (B)   68 O   40 CA(0.3) 116 O (0.7)    0.0
                        (S)   41 CA  61 O (0.5)   1 SI(0.4)    0.0
                        (S)   42 CA  62 O (0.5)   2 SI(0.4)    0.0
                        (S)   43 CA  63 O (0.5)   3 SI(0.4)    0.0
                        (S)   44 CA  64 O (0.5)   4 SI(0.4)    0.0
                        (S)   45 CA  65 O (0.5)   5 SI(0.4)    0.0
                        (S)   46 CA  66 O (0.5)   6 SI(0.4)    0.0
                        (S)   47 CA  67 O (0.5)   7 SI(0.4)    0.0
                        (S)   48 CA  68 O (0.5)   8 SI(0.4)    0.0
235    432.3780  (B2U)
                        (B)  117 O   17 SI(0.0) 101 O (1.0)    0.0
                        (B)  120 O   17 SI(0.0) 104 O (1.0)    0.0
                        (B)  118 O   18 SI(0.0) 102 O (1.0)   -0.1
                        (B)  119 O   18 SI(0.0) 103 O (1.0)    0.0
                        (B)  121 O   19 SI(0.0) 105 O (1.0)    0.0
                        (B)  124 O   19 SI(0.0) 108 O (1.0)    0.0
                        (B)  122 O   20 SI(0.0) 106 O (1.0)    0.0
                        (B)  123 O   20 SI(0.0) 107 O (1.0)    0.0
236    434.5570  (B1G)
                        (B)   85 O    9 SI(0.0)  93 O (1.0)    0.0
                        (B)   86 O   10 SI(0.0)  94 O (1.0)    0.0
                        (B)   87 O   11 SI(0.0)  95 O (1.0)    0.0
                        (B)   88 O   12 SI(0.0)  96 O (1.0)    0.0
                        (B)   89 O   13 SI(0.0)  97 O (1.0)    0.0
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                        (B)   90 O   14 SI(0.0)  98 O (1.0)    0.0
                        (B)   91 O   15 SI(0.0)  99 O (1.0)    0.0
                        (B)   92 O   16 SI(0.0) 100 O (1.0)    0.0
                        (B)  117 O   17 SI(0.0) 101 O (1.0)    0.0
                        (B)  120 O   17 SI(0.0) 104 O (1.0)    0.0
                        (B)  118 O   18 SI(0.0) 102 O (1.0)   -0.1
                        (B)  119 O   18 SI(0.0) 103 O (1.0)    0.0
                        (B)  121 O   19 SI(0.0) 105 O (1.0)    0.0
                        (B)  124 O   19 SI(0.0) 108 O (1.0)    0.0
                        (B)  122 O   20 SI(0.0) 106 O (1.0)    0.0
                        (B)  123 O   20 SI(0.0) 107 O (1.0)    0.0
237    435.2622  (B2G)
                        (B)    9 SI  85 O (0.0)  33 CA(1.0)    0.0
                        (B)  109 O    9 SI(0.0)  93 O (1.0)    0.0
                        (B)   10 SI  86 O (0.0)  34 CA(1.0)    0.0
                        (B)  110 O   10 SI(0.0)  94 O (1.0)    0.0
                        (B)   11 SI  87 O (0.0)  35 CA(1.0)    0.0
                        (B)  111 O   11 SI(0.0)  95 O (1.0)    0.0
                        (B)   88 O   12 SI(0.0)  36 CA(1.0)    0.0
                        (B)  112 O   12 SI(0.0)  96 O (1.0)    0.0
                        (B)   13 SI  89 O (0.0)  37 CA(1.0)    0.0
                        (B)  113 O   13 SI(0.0)  97 O (1.0)    0.0
                        (B)   14 SI  90 O (0.0)  38 CA(1.0)    0.0
                        (B)  114 O   14 SI(0.0)  98 O (1.0)    0.0
                        (B)   15 SI  91 O (0.0)  39 CA(1.0)    0.0
                        (B)  115 O   15 SI(0.0)  99 O (1.0)    0.0
                        (B)   16 SI  92 O (0.0)  40 CA(1.0)    0.0
                        (B)  116 O   16 SI(0.0) 100 O (1.0)    0.0
                        (B)  117 O   17 SI(0.0) 101 O (0.9)    0.0
                        (B)  120 O   17 SI(0.0) 104 O (0.9)    0.0
                        (B)  118 O   18 SI(0.0) 102 O (0.9)    0.0
                        (B)  119 O   18 SI(0.0) 103 O (0.9)    0.0
                        (B)  121 O   19 SI(0.0) 105 O (0.9)    0.0
                        (B)  124 O   19 SI(0.0) 108 O (0.9)    0.0
                        (B)  122 O   20 SI(0.0) 106 O (0.9)    0.0
                        (B)  123 O   20 SI(0.0) 107 O (0.9)    0.0
238    437.1145  (B1U)
                        (S)   53 O   29 CA(0.7)  33 CA(0.2)    0.0
                        (S)   54 O   30 CA(0.7)  34 CA(0.2)    0.0
                        (S)   58 O   30 CA(0.7)  34 CA(0.2)    0.0
                        (S)   59 O   31 CA(0.7)  39 CA(0.2)    0.0
                        (S)   56 O   32 CA(0.7)  36 CA(0.2)    0.0
                        (S)   60 O   32 CA(0.7)  36 CA(0.2)    0.0
                        (B)   33 CA  53 O (0.4)  29 CA(0.6)    0.0
                        (B)   34 CA  54 O (0.4)  30 CA(0.6)    0.0
                        (B)   55 O   35 CA(0.4)  50 CA(0.5)    0.0
                        (B)   56 O   36 CA(0.4)  32 CA(0.6)    0.0
                        (B)   57 O   37 CA(0.4)  51 CA(0.5)    0.0
                        (B)   38 CA  58 O (0.4)  30 CA(0.6)    0.0
                        (B)   59 O   39 CA(0.4)  31 CA(0.6)    0.0
                        (B)   60 O   40 CA(0.4)  32 CA(0.6)    0.0
239    437.1926  (AG )
                        (B)   53 O    1 SI(0.0)  29 CA(0.9)    0.0
                        (B)   54 O    2 SI(0.0)  30 CA(0.9)    0.0
                        (O)   55 O    3 SI(0.0)  71 O (0.8)    0.0
                        (B)   56 O    4 SI(0.0)  32 CA(0.9)    0.0
                        (O)   57 O    5 SI(0.0)  73 O (0.8)    0.0
                        (B)   58 O    6 SI(0.0)  30 CA(0.9)    0.0
                        (B)    7 SI  59 O (0.0)  31 CA(0.9)    0.0
                        (B)   60 O    8 SI(0.0)  32 CA(0.9)    0.0
                        (B)   93 O    9 SI(0.0)  47 CA(1.0)    0.0
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                    (B)   94 O   10 SI(0.0)  48 CA(1.0)    0.0
                    (B)   95 O   11 SI(0.0)  45 CA(1.0)    0.0
                    (B)   96 O   12 SI(0.0)  46 CA(1.0)    0.0
                    (B)   97 O   13 SI(0.0)  43 CA(1.0)    0.0
                    (B)   98 O   14 SI(0.0)  44 CA(1.0)    0.0
                    (B)   99 O   15 SI(0.0)  41 CA(1.0)    0.0
                    (B)  100 O   16 SI(0.0)  42 CA(1.0)    0.0
                    (B)   53 O   21 CA(0.3)  33 CA(0.7)    0.0
                    (B)   54 O   22 CA(0.3)  34 CA(0.7)    0.0
                    (B)   55 O   23 CA(0.3)  35 CA(0.7)    0.0
                    (B)   56 O   24 CA(0.3)  36 CA(0.7)    0.0
                    (B)   57 O   25 CA(0.3)  37 CA(0.7)    0.0
                    (B)   58 O   26 CA(0.3)  38 CA(0.7)    0.0
                    (B)   59 O   27 CA(0.3)  39 CA(0.7)    0.0
                    (B)   60 O   28 CA(0.3)  40 CA(0.7)    0.0
                    (S)   29 CA  53 O (0.8)  33 CA(0.1)    0.0
                    (S)   30 CA  54 O (0.8)  34 CA(0.1)    0.0
                    (S)   58 O   30 CA(0.8)  34 CA(0.1)    0.0
                    (S)   59 O   31 CA(0.8)  39 CA(0.1)    0.0
                    (S)   56 O   32 CA(0.8)  36 CA(0.1)    0.0
                    (S)   60 O   32 CA(0.8)  36 CA(0.1)    0.0
                    (B)   33 CA  53 O (0.2)  29 CA(0.7)    0.0
                    (S)   93 O   33 CA(0.8)  29 CA(0.2)    0.0
                    (B)   34 CA  54 O (0.2)  30 CA(0.7)    0.0
                    (S)   94 O   34 CA(0.8)  30 CA(0.2)    0.0
                    (B)   55 O   35 CA(0.2)  50 CA(0.7)    0.0
                    (S)   95 O   35 CA(0.8)  50 CA(0.2)    0.0
                    (B)   56 O   36 CA(0.2)  32 CA(0.7)    0.0
                    (S)   96 O   36 CA(0.8)  32 CA(0.2)    0.0
                    (B)   57 O   37 CA(0.2)  51 CA(0.7)    0.0
                    (S)   37 CA  97 O (0.8)  51 CA(0.2)    0.0
                    (B)   38 CA  58 O (0.2)  30 CA(0.7)    0.0
                    (S)   98 O   38 CA(0.8)  30 CA(0.2)    0.0
                    (B)   59 O   39 CA(0.2)  31 CA(0.7)    0.0
                    (S)   99 O   39 CA(0.8)  31 CA(0.2)    0.0
                    (B)   60 O   40 CA(0.2)  32 CA(0.7)    0.0
                    (S)  100 O   40 CA(0.8)  32 CA(0.2)    0.0
                    (S)   41 CA  61 O (0.6)   1 SI(0.4)    0.0
                    (S)   42 CA  62 O (0.6)   2 SI(0.4)    0.0
                    (S)   43 CA  63 O (0.6)   3 SI(0.4)    0.0
                    (S)   44 CA  64 O (0.6)   4 SI(0.4)    0.0
                    (S)   45 CA  65 O (0.6)   5 SI(0.4)    0.0
                    (S)   46 CA  66 O (0.6)   6 SI(0.4)    0.0
                    (S)   47 CA  67 O (0.6)   7 SI(0.4)    0.0
                    (S)   48 CA  68 O (0.6)   8 SI(0.4)    0.0
240    439.0354  (B3U)
                    (S)   29 CA  53 O (0.8)  33 CA(0.2)    0.0
                    (S)   30 CA  54 O (0.8)  34 CA(0.2)    0.0
                    (S)   58 O   30 CA(0.8)  34 CA(0.2)    0.0
                    (S)   31 CA  59 O (0.8)  39 CA(0.2)    0.0
                    (S)   56 O   32 CA(0.8)  36 CA(0.2)    0.0
                    (S)   32 CA  60 O (0.8)  40 CA(0.2)    0.0
                    (B)   33 CA  53 O (0.4)  29 CA(0.6)    0.0
                    (B)   34 CA  54 O (0.4)  30 CA(0.6)    0.0
                    (B)   55 O   35 CA(0.4)  50 CA(0.5)    0.0
                    (B)   56 O   36 CA(0.4)  32 CA(0.6)    0.0
                    (B)   57 O   37 CA(0.4)  51 CA(0.5)    0.0
                    (B)   38 CA  58 O (0.4)  30 CA(0.6)    0.0
                    (B)   59 O   39 CA(0.4)  31 CA(0.6)    0.0
                    (B)   60 O   40 CA(0.4)  32 CA(0.6)    0.0
241    474.4083  (B2U)
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                    (B)   93 O    9 SI(0.0) 101 O (1.0)    0.0
                    (O)    9 SI 109 O (0.0)  49 CA(0.8)    0.0
                    (B)   94 O   10 SI(0.0) 102 O (1.0)    0.0
                    (O)   10 SI 110 O (0.0)  50 CA(0.8)    0.0
                    (B)   95 O   11 SI(0.0) 103 O (1.0)    0.0
                    (O)   11 SI 111 O (0.0)  50 CA(0.8)    0.0
                    (B)   96 O   12 SI(0.0) 104 O (1.0)    0.0
                    (O)   12 SI 112 O (0.0)  49 CA(0.8)    0.0
                    (B)   97 O   13 SI(0.0) 105 O (1.0)    0.0
                    (O)   13 SI 113 O (0.0)  51 CA(0.8)    0.0
                    (B)   98 O   14 SI(0.0) 106 O (1.0)    0.0
                    (O)   14 SI 114 O (0.0)  52 CA(0.8)    0.0
                    (B)   99 O   15 SI(0.0) 107 O (1.0)    0.0
                    (O)   15 SI 115 O (0.0)  52 CA(0.8)    0.0
                    (B)  100 O   16 SI(0.0) 108 O (1.0)    0.0
                    (O)   16 SI 116 O (0.0)  51 CA(0.8)    0.0
242    474.8151  (B1U)
                    (B)    9 SI  85 O (0.0)  21 CA(0.9)    0.0
                    (B)   93 O    9 SI(0.0) 101 O (1.0)    0.0
                    (O)    9 SI 109 O (0.0)  49 CA(0.8)    0.0
                    (B)   10 SI  86 O (0.0)  22 CA(0.9)    0.0
                    (B)   94 O   10 SI(0.0) 102 O (1.0)    0.0
                    (O)   10 SI 110 O (0.0)  50 CA(0.8)    0.0
                    (B)   11 SI  87 O (0.0)  23 CA(0.9)    0.0
                    (B)   95 O   11 SI(0.0) 103 O (1.0)    0.0
                    (O)   11 SI 111 O (0.0)  50 CA(0.8)    0.0
                    (B)   12 SI  88 O (0.0)  24 CA(0.9)    0.0
                    (B)   96 O   12 SI(0.0) 104 O (1.0)    0.0
                    (O)   12 SI 112 O (0.0)  49 CA(0.8)    0.0
                    (B)   13 SI  89 O (0.0)  25 CA(0.9)    0.0
                    (B)   97 O   13 SI(0.0) 105 O (1.0)    0.0
                    (O)   13 SI 113 O (0.0)  51 CA(0.8)    0.0
                    (B)   14 SI  90 O (0.0)  26 CA(0.9)    0.0
                    (B)   98 O   14 SI(0.0) 106 O (1.0)    0.0
                    (O)   14 SI 114 O (0.0)  52 CA(0.8)    0.0
                    (B)   15 SI  91 O (0.0)  27 CA(0.9)    0.0
                    (B)   99 O   15 SI(0.0) 107 O (1.0)    0.0
                    (O)   15 SI 115 O (0.0)  52 CA(0.8)    0.0
                    (B)   16 SI  92 O (0.0)  28 CA(0.9)    0.0
                    (B)  100 O   16 SI(0.0) 108 O (1.0)    0.0
                    (O)   16 SI 116 O (0.0)  51 CA(0.8)    0.0
243    475.7333  (AU )
                    (B)    9 SI  85 O (0.0)  21 CA(1.0)    0.0
                    (B)    9 SI  93 O (0.0)  49 CA(1.0)    0.0
                    (B)   10 SI  86 O (0.0)  22 CA(1.0)    0.0
                    (B)   10 SI  94 O (0.0)  50 CA(1.0)    0.0
                    (B)   11 SI  87 O (0.0)  23 CA(1.0)    0.0
                    (B)   11 SI  95 O (0.0)  50 CA(1.0)    0.0
                    (B)   12 SI  88 O (0.0)  24 CA(1.0)    0.0
                    (B)   12 SI  96 O (0.0)  49 CA(1.0)    0.0
                    (B)   13 SI  89 O (0.0)  25 CA(1.0)    0.0
                    (B)   13 SI  97 O (0.0)  51 CA(1.0)    0.0
                    (B)   14 SI  90 O (0.0)  26 CA(1.0)    0.0
                    (B)   14 SI  98 O (0.0)  52 CA(1.0)    0.0
                    (B)   15 SI  91 O (0.0)  27 CA(1.0)    0.0
                    (B)   15 SI  99 O (0.0)  52 CA(1.0)    0.0
                    (B)   16 SI  92 O (0.0)  28 CA(1.0)    0.0
                    (B)   16 SI 100 O (0.0)  51 CA(1.0)    0.0
244    476.4296  (B1G)
                    (B)   93 O    9 SI(0.0) 101 O (1.0)    0.0
                    (B)   94 O   10 SI(0.0) 102 O (1.0)    0.0
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                        (B)   95 O   11 SI(0.0) 103 O (1.0)    0.0
                        (B)   96 O   12 SI(0.0) 104 O (1.0)    0.0
                        (B)   97 O   13 SI(0.0) 105 O (1.0)    0.0
                        (B)   98 O   14 SI(0.0) 106 O (1.0)    0.0
                        (B)   99 O   15 SI(0.0) 107 O (1.0)    0.0
                        (B)  100 O   16 SI(0.0) 108 O (1.0)    0.0
245    477.1485  (B3G)
                        (B)    9 SI  85 O (0.0)  21 CA(1.0)    0.0
                        (B)    9 SI  93 O (0.0)  49 CA(1.0)    0.0
                        (B)   10 SI  86 O (0.0)  22 CA(1.0)    0.0
                        (B)   10 SI  94 O (0.0)  50 CA(1.0)    0.0
                        (B)   11 SI  87 O (0.0)  23 CA(1.0)    0.0
                        (B)   11 SI  95 O (0.0)  50 CA(1.0)    0.0
                        (B)   12 SI  88 O (0.0)  24 CA(1.0)    0.0
                        (B)   12 SI  96 O (0.0)  49 CA(1.0)    0.0
                        (B)   13 SI  89 O (0.0)  25 CA(1.0)    0.0
                        (B)   13 SI  97 O (0.0)  51 CA(1.0)    0.0
                        (B)   14 SI  90 O (0.0)  26 CA(1.0)    0.0
                        (B)   14 SI  98 O (0.0)  52 CA(1.0)    0.0
                        (B)   15 SI  91 O (0.0)  27 CA(1.0)    0.0
                        (B)   15 SI  99 O (0.0)  52 CA(1.0)    0.0
                        (B)   16 SI  92 O (0.0)  28 CA(1.0)    0.0
                        (B)   16 SI 100 O (0.0)  51 CA(1.0)    0.0
246    481.3716  (AG )
                        (B)   85 O    9 SI(0.0) 109 O (1.0)    0.0
                        (B)   86 O   10 SI(0.0) 110 O (1.0)    0.0
                        (B)   87 O   11 SI(0.0) 111 O (1.0)    0.0
                        (B)   88 O   12 SI(0.0) 112 O (1.0)    0.0
                        (B)   89 O   13 SI(0.0) 113 O (1.0)    0.0
                        (B)   90 O   14 SI(0.0) 114 O (1.0)    0.0
                        (B)   91 O   15 SI(0.0) 115 O (1.0)    0.0
                        (B)   92 O   16 SI(0.0) 116 O (1.0)    0.0
247    481.8967  (B3U)
                        (B)   85 O    9 SI(0.0) 109 O (1.0)    0.0
                        (B)   86 O   10 SI(0.0) 110 O (1.0)    0.0
                        (B)   87 O   11 SI(0.0) 111 O (1.0)    0.0
                        (B)   88 O   12 SI(0.0) 112 O (1.0)    0.0
                        (B)   89 O   13 SI(0.0) 113 O (1.0)    0.0
                        (B)   90 O   14 SI(0.0) 114 O (1.0)    0.0
                        (B)   91 O   15 SI(0.0) 115 O (1.0)    0.0
                        (B)   92 O   16 SI(0.0) 116 O (1.0)    0.0
248    494.0620  (AU )
                        (O)   53 O    1 SI(0.0)  61 O (0.7)    0.0
                        (O)   54 O    2 SI(0.0)  62 O (0.7)    0.0
                        (O)   55 O    3 SI(0.0)  63 O (0.7)    0.0
                        (O)   56 O    4 SI(0.0)  64 O (0.7)    0.0
                        (O)   57 O    5 SI(0.0)  65 O (0.7)    0.0
                        (O)   58 O    6 SI(0.0)  66 O (0.7)    0.0
                        (O)   59 O    7 SI(0.0)  67 O (0.7)    0.0
                        (O)   60 O    8 SI(0.0)  68 O (0.7)    0.0
249    501.9864  (B3G)
                        (O)   61 O    1 SI(0.0)  53 O (0.7)    0.0
                        (O)   62 O    2 SI(0.0)  54 O (0.7)    0.0
                        (O)   63 O    3 SI(0.0)  55 O (0.7)    0.0
                        (O)   64 O    4 SI(0.0)  56 O (0.7)    0.0
                        (O)   65 O    5 SI(0.0)  57 O (0.7)    0.0
                        (O)   66 O    6 SI(0.0)  58 O (0.7)    0.0
                        (O)   67 O    7 SI(0.0)  59 O (0.7)    0.0
                        (O)   68 O    8 SI(0.0)  60 O (0.7)    0.0
                        (B)   85 O    9 SI(0.0)  93 O (1.0)    0.0
                        (B)   86 O   10 SI(0.0)  94 O (1.0)    0.0
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                        (B)   87 O   11 SI(0.0)  95 O (1.0)    0.0
                        (B)   88 O   12 SI(0.0)  96 O (1.0)    0.0
                        (B)   89 O   13 SI(0.0)  97 O (1.0)    0.0
                        (B)   90 O   14 SI(0.0)  98 O (1.0)    0.0
                        (B)   91 O   15 SI(0.0)  99 O (1.0)    0.0
                        (B)   92 O   16 SI(0.0) 100 O (1.0)    0.0
250    505.5825  (B2U)
                        (O)   69 O    1 SI(0.0)  61 O (0.7)    0.0
                        (B)   77 O    1 SI(0.0)  29 CA(1.0)    0.0
                        (O)   70 O    2 SI(0.0)  62 O (0.7)    0.0
                        (B)   78 O    2 SI(0.0)  30 CA(1.0)    0.0
                        (O)   71 O    3 SI(0.0)  63 O (0.7)    0.0
                        (B)   79 O    3 SI(0.0)  63 O (0.9)    0.0
                        (O)   72 O    4 SI(0.0)  64 O (0.7)    0.0
                        (B)   80 O    4 SI(0.0)  32 CA(1.0)    0.0
                        (O)   73 O    5 SI(0.0)  65 O (0.7)    0.0
                        (B)   81 O    5 SI(0.0)  65 O (0.9)    0.0
                        (O)   74 O    6 SI(0.0)  66 O (0.7)    0.0
                        (B)   82 O    6 SI(0.0)  30 CA(1.0)    0.0
                        (O)   75 O    7 SI(0.0)  67 O (0.7)    0.0
                        (B)   83 O    7 SI(0.0)  31 CA(1.0)    0.0
                        (O)   76 O    8 SI(0.0)  68 O (0.7)    0.0
                        (B)   84 O    8 SI(0.0)  32 CA(1.0)    0.0
251    506.6420  (B2G)
                        (B)    9 SI  85 O (0.0)  21 CA(1.0)    0.0
                        (B)   93 O    9 SI(0.0)  47 CA(1.0)    0.0
                        (B)   10 SI  86 O (0.0)  22 CA(1.0)    0.0
                        (B)   94 O   10 SI(0.0)  48 CA(1.0)    0.0
                        (B)   11 SI  87 O (0.0)  23 CA(1.0)    0.0
                        (B)   95 O   11 SI(0.0)  45 CA(1.0)    0.0
                        (B)   12 SI  88 O (0.0)  24 CA(1.0)    0.0
                        (B)   96 O   12 SI(0.0)  46 CA(1.0)    0.0
                        (B)   13 SI  89 O (0.0)  25 CA(1.0)    0.0
                        (B)   97 O   13 SI(0.0)  43 CA(1.0)    0.0
                        (B)   14 SI  90 O (0.0)  26 CA(1.0)    0.0
                        (B)   98 O   14 SI(0.0)  44 CA(1.0)    0.0
                        (B)   15 SI  91 O (0.0)  27 CA(1.0)    0.0
                        (B)   99 O   15 SI(0.0)  41 CA(1.0)    0.0
                        (B)   16 SI  92 O (0.0)  28 CA(1.0)    0.0
                        (B)  100 O   16 SI(0.0)  42 CA(1.0)    0.0
252    511.1668  (B1U)
                        (B)   93 O    9 SI(0.0) 109 O (1.0)    0.0
                        (B)   94 O   10 SI(0.0) 110 O (1.0)    0.0
                        (B)   95 O   11 SI(0.0) 111 O (1.0)    0.0
                        (B)   96 O   12 SI(0.0) 112 O (1.0)    0.0
                        (B)   97 O   13 SI(0.0) 113 O (1.0)    0.0
                        (B)   98 O   14 SI(0.0) 114 O (1.0)    0.0
                        (B)   99 O   15 SI(0.0) 115 O (1.0)    0.0
                        (B)  100 O   16 SI(0.0) 116 O (1.0)    0.0
253    511.5707  (B3U)
                        (O)   85 O    9 SI(0.0) 101 O (0.8)    0.0
                        (B)  109 O    9 SI(0.0)  47 CA(0.9)    0.0
                        (O)   86 O   10 SI(0.0) 102 O (0.8)   -0.1
                        (B)  110 O   10 SI(0.0)  48 CA(0.9)    0.0
                        (O)   87 O   11 SI(0.0) 103 O (0.8)    0.0
                        (B)  111 O   11 SI(0.0)  45 CA(0.9)    0.0
                        (O)   88 O   12 SI(0.0) 104 O (0.8)    0.0
                        (B)  112 O   12 SI(0.0)  46 CA(0.9)    0.0
                        (O)   89 O   13 SI(0.0) 105 O (0.8)    0.0
                        (B)  113 O   13 SI(0.0)  43 CA(0.9)    0.0
                        (O)   90 O   14 SI(0.0) 106 O (0.8)    0.0
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                        (B)  114 O   14 SI(0.0)  44 CA(0.9)    0.0
                        (O)   91 O   15 SI(0.0) 107 O (0.8)    0.0
                        (B)  115 O   15 SI(0.0)  41 CA(0.9)    0.0
                        (O)   92 O   16 SI(0.0) 108 O (0.8)   -0.1
                        (B)  116 O   16 SI(0.0)  42 CA(0.9)    0.0
254    511.8613  (AG )
                        (O)   85 O    9 SI(0.0) 101 O (0.8)    0.0
                        (B)  109 O    9 SI(0.0)  47 CA(1.0)    0.0
                        (O)   86 O   10 SI(0.0) 102 O (0.8)   -0.1
                        (B)  110 O   10 SI(0.0)  48 CA(1.0)    0.0
                        (O)   87 O   11 SI(0.0) 103 O (0.8)    0.0
                        (B)  111 O   11 SI(0.0)  45 CA(1.0)    0.0
                        (O)   88 O   12 SI(0.0) 104 O (0.8)    0.0
                        (B)  112 O   12 SI(0.0)  46 CA(1.0)    0.0
                        (O)   89 O   13 SI(0.0) 105 O (0.8)    0.0
                        (B)  113 O   13 SI(0.0)  43 CA(1.0)    0.0
                        (O)   90 O   14 SI(0.0) 106 O (0.8)    0.0
                        (B)  114 O   14 SI(0.0)  44 CA(1.0)    0.0
                        (O)   91 O   15 SI(0.0) 107 O (0.8)    0.0
                        (B)  115 O   15 SI(0.0)  41 CA(1.0)    0.0
                        (O)   92 O   16 SI(0.0) 108 O (0.8)   -0.1
                        (B)  116 O   16 SI(0.0)  42 CA(1.0)    0.0
255    512.4200  (AU )
                        (O)   69 O    1 SI(0.0)  53 O (0.8)    0.0
                        (O)   70 O    2 SI(0.0)  54 O (0.8)    0.0
                        (O)   71 O    3 SI(0.0)  55 O (0.8)    0.0
                        (O)   72 O    4 SI(0.0)  56 O (0.8)    0.0
                        (O)   73 O    5 SI(0.0)  57 O (0.8)    0.0
                        (O)   74 O    6 SI(0.0)  58 O (0.8)    0.0
                        (O)   75 O    7 SI(0.0)  59 O (0.8)    0.0
                        (O)   76 O    8 SI(0.0)  60 O (0.8)    0.0
256    516.3669  (B2U)
                        (B)   93 O    9 SI(0.0)  33 CA(0.9)    0.0
                        (B)   94 O   10 SI(0.0)  34 CA(0.9)    0.0
                        (B)   11 SI  95 O (0.0)  35 CA(0.9)    0.0
                        (B)   96 O   12 SI(0.0)  36 CA(0.9)    0.0
                        (B)   97 O   13 SI(0.0)  37 CA(0.9)    0.0
                        (B)   98 O   14 SI(0.0)  38 CA(0.9)    0.0
                        (B)   15 SI  99 O (0.0)  39 CA(0.9)    0.0
                        (B)   16 SI 100 O (0.0)  40 CA(0.9)    0.0
257    516.5965  (B1G)
                        (B)   93 O    9 SI(0.0) 109 O (0.9)    0.0
                        (B)   94 O   10 SI(0.0) 110 O (0.9)    0.0
                        (B)   95 O   11 SI(0.0) 111 O (0.9)    0.0
                        (B)   96 O   12 SI(0.0) 112 O (0.9)    0.0
                        (B)   97 O   13 SI(0.0) 113 O (0.9)    0.0
                        (B)   98 O   14 SI(0.0) 114 O (0.9)    0.0
                        (B)   99 O   15 SI(0.0) 115 O (0.9)    0.0
                        (B)  100 O   16 SI(0.0) 116 O (0.9)    0.0
258    519.1391  (B3U)
                        (O)   69 O    1 SI(0.0)  61 O (0.7)    0.0
                        (O)   70 O    2 SI(0.0)  62 O (0.7)    0.0
                        (O)   71 O    3 SI(0.0)  63 O (0.7)    0.0
                        (O)   72 O    4 SI(0.0)  64 O (0.7)    0.0
                        (O)   73 O    5 SI(0.0)  65 O (0.7)    0.0
                        (O)   74 O    6 SI(0.0)  66 O (0.7)    0.0
                        (O)   75 O    7 SI(0.0)  67 O (0.7)    0.0
                        (O)   76 O    8 SI(0.0)  68 O (0.7)    0.0
259    519.7789  (B1U)
                        (O)   61 O    1 SI(0.0)  53 O (0.8)    0.0
                        (O)   69 O    1 SI(0.0)  53 O (0.7)    0.0
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                        (O)   62 O    2 SI(0.0)  54 O (0.8)    0.0
                        (O)   70 O    2 SI(0.0)  54 O (0.7)    0.0
                        (O)   63 O    3 SI(0.0)  55 O (0.8)    0.0
                        (O)   71 O    3 SI(0.0)  55 O (0.7)    0.0
                        (O)   64 O    4 SI(0.0)  56 O (0.8)    0.0
                        (O)   72 O    4 SI(0.0)  56 O (0.7)    0.0
                        (O)   65 O    5 SI(0.0)  57 O (0.8)    0.0
                        (O)   73 O    5 SI(0.0)  57 O (0.7)    0.0
                        (O)   66 O    6 SI(0.0)  58 O (0.8)    0.0
                        (O)   74 O    6 SI(0.0)  58 O (0.7)    0.0
                        (O)   67 O    7 SI(0.0)  59 O (0.8)    0.0
                        (O)   75 O    7 SI(0.0)  59 O (0.7)    0.0
                        (O)   68 O    8 SI(0.0)  60 O (0.8)    0.0
                        (O)   76 O    8 SI(0.0)  60 O (0.7)    0.0
260    522.2610  (AU )
                        (O)  101 O    9 SI(0.1)  93 O (0.7)    0.0
                        (O)  102 O   10 SI(0.1)  94 O (0.7)    0.0
                        (O)  103 O   11 SI(0.1)  95 O (0.7)    0.0
                        (O)  104 O   12 SI(0.1)  96 O (0.7)    0.0
                        (O)  105 O   13 SI(0.1)  97 O (0.7)    0.0
                        (O)  106 O   14 SI(0.1)  98 O (0.7)    0.0
                        (O)  107 O   15 SI(0.1)  99 O (0.7)    0.0
                        (O)  108 O   16 SI(0.1) 100 O (0.7)    0.0
261    522.9970  (B3G)
                        (O)  101 O    9 SI(0.1)  93 O (0.7)    0.0
                        (O)  102 O   10 SI(0.1)  94 O (0.7)    0.0
                        (O)  103 O   11 SI(0.1)  95 O (0.7)    0.0
                        (O)  104 O   12 SI(0.1)  96 O (0.7)    0.0
                        (O)  105 O   13 SI(0.1)  97 O (0.7)    0.0
                        (O)  106 O   14 SI(0.1)  98 O (0.7)    0.0
                        (O)  107 O   15 SI(0.1)  99 O (0.7)    0.0
                        (O)  108 O   16 SI(0.1) 100 O (0.7)    0.0
262    529.8605  (B2U)
                        (O)   61 O    1 SI(0.0)  53 O (0.7)    0.0
                        (O)   62 O    2 SI(0.0)  54 O (0.7)    0.0
                        (O)   63 O    3 SI(0.0)  55 O (0.7)    0.0
                        (O)   64 O    4 SI(0.0)  56 O (0.7)    0.0
                        (O)   65 O    5 SI(0.0)  57 O (0.7)    0.0
                        (O)   66 O    6 SI(0.0)  58 O (0.7)    0.0
                        (O)   67 O    7 SI(0.0)  59 O (0.7)    0.0
                        (O)   68 O    8 SI(0.0)  60 O (0.7)    0.0
263    530.8781  (B1G)
                        (O)   61 O    1 SI(0.0)  53 O (0.7)    0.0
                        (O)   62 O    2 SI(0.0)  54 O (0.7)    0.0
                        (O)   63 O    3 SI(0.0)  55 O (0.7)    0.0
                        (O)   64 O    4 SI(0.0)  56 O (0.7)    0.0
                        (O)   65 O    5 SI(0.0)  57 O (0.7)    0.0
                        (O)   66 O    6 SI(0.0)  58 O (0.7)    0.0
                        (O)   67 O    7 SI(0.0)  59 O (0.7)    0.0
                        (O)   68 O    8 SI(0.0)  60 O (0.7)    0.0
264    531.1399  (B2G)
                        (O)   61 O    1 SI(0.0)  53 O (0.7)    0.0
                        (O)   62 O    2 SI(0.0)  54 O (0.7)    0.0
                        (O)   63 O    3 SI(0.0)  55 O (0.7)    0.0
                        (O)   64 O    4 SI(0.0)  56 O (0.7)    0.0
                        (O)   65 O    5 SI(0.0)  57 O (0.7)    0.0
                        (O)   66 O    6 SI(0.0)  58 O (0.7)    0.0
                        (O)   67 O    7 SI(0.0)  59 O (0.7)    0.0
                        (O)   68 O    8 SI(0.0)  60 O (0.7)    0.0
265    532.8455  (AG )
                        (O)   61 O    1 SI(0.0)  53 O (0.7)    0.0
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                        (O)   62 O    2 SI(0.0)  54 O (0.7)    0.0
                        (O)   63 O    3 SI(0.0)  55 O (0.7)    0.0
                        (O)   64 O    4 SI(0.0)  56 O (0.7)    0.0
                        (O)   65 O    5 SI(0.0)  57 O (0.7)    0.0
                        (O)   66 O    6 SI(0.0)  58 O (0.7)    0.0
                        (O)   67 O    7 SI(0.0)  59 O (0.7)    0.0
                        (O)   68 O    8 SI(0.0)  60 O (0.7)    0.0
266    535.1347  (B2G)
                        (O)  101 O    9 SI(0.0)  93 O (0.8)    0.0
                        (O)  102 O   10 SI(0.0)  94 O (0.8)    0.0
                        (O)  103 O   11 SI(0.0)  95 O (0.8)    0.0
                        (O)  104 O   12 SI(0.0)  96 O (0.8)    0.0
                        (O)  105 O   13 SI(0.0)  97 O (0.8)    0.0
                        (O)  106 O   14 SI(0.0)  98 O (0.8)    0.0
                        (O)  107 O   15 SI(0.0)  99 O (0.8)    0.0
                        (O)  108 O   16 SI(0.0) 100 O (0.8)    0.0
267    538.7437  (B3U)
                        (O)   53 O    1 SI(0.0)  61 O (0.7)    0.0
                        (O)   61 O    1 SI(0.0)  69 O (0.7)    0.0
                        (O)   54 O    2 SI(0.0)  62 O (0.7)    0.0
                        (O)   62 O    2 SI(0.0)  70 O (0.7)    0.0
                        (O)   55 O    3 SI(0.0)  63 O (0.7)    0.0
                        (O)   63 O    3 SI(0.0)  71 O (0.7)    0.0
                        (O)   56 O    4 SI(0.0)  64 O (0.7)    0.0
                        (O)   64 O    4 SI(0.0)  72 O (0.7)    0.0
                        (O)   57 O    5 SI(0.0)  65 O (0.7)    0.0
                        (O)   65 O    5 SI(0.0)  73 O (0.7)    0.0
                        (O)   58 O    6 SI(0.0)  66 O (0.7)    0.0
                        (O)   66 O    6 SI(0.0)  74 O (0.7)    0.0
                        (O)   59 O    7 SI(0.0)  67 O (0.7)    0.0
                        (O)   67 O    7 SI(0.0)  75 O (0.7)    0.0
                        (O)   60 O    8 SI(0.0)  68 O (0.7)    0.0
                        (O)   68 O    8 SI(0.0)  76 O (0.7)    0.0
                        (B)   93 O    9 SI(0.0)  85 O (1.0)    0.0
                        (B)  101 O    9 SI(0.0)  85 O (1.0)    0.0
                        (B)   94 O   10 SI(0.0)  86 O (1.0)    0.0
                        (B)  102 O   10 SI(0.0)  86 O (1.0)    0.0
                        (B)   95 O   11 SI(0.0)  87 O (1.0)    0.0
                        (B)  103 O   11 SI(0.0)  87 O (1.0)    0.0
                        (B)   96 O   12 SI(0.0)  88 O (1.0)    0.0
                        (B)  104 O   12 SI(0.0)  88 O (1.0)    0.0
                        (B)   97 O   13 SI(0.0)  89 O (1.0)    0.0
                        (B)  105 O   13 SI(0.0)  89 O (1.0)    0.0
                        (B)   98 O   14 SI(0.0)  90 O (1.0)    0.0
                        (B)  106 O   14 SI(0.0)  90 O (1.0)    0.0
                        (B)   99 O   15 SI(0.0)  91 O (1.0)    0.0
                        (B)  107 O   15 SI(0.0)  91 O (1.0)    0.0
                        (B)  100 O   16 SI(0.0)  92 O (1.0)    0.0
                        (B)  108 O   16 SI(0.0)  92 O (1.0)    0.0
                        (S)   53 O   29 CA(0.6)  77 O (0.4)    0.0
                        (S)   54 O   30 CA(0.6)  78 O (0.4)    0.0
                        (S)   58 O   30 CA(0.6)  82 O (0.4)    0.0
                        (S)   59 O   31 CA(0.6)  83 O (0.4)    0.0
                        (S)   56 O   32 CA(0.6)  80 O (0.4)    0.0
                        (S)   60 O   32 CA(0.6)  80 O (0.4)    0.0
                        (S)   53 O   33 CA(0.5)  29 CA(0.4)    0.0
                        (S)   54 O   34 CA(0.5)  30 CA(0.4)    0.0
                        (S)   55 O   35 CA(0.5)  50 CA(0.4)    0.0
                        (S)   36 CA  56 O (0.5)  32 CA(0.4)    0.0
                        (S)   57 O   37 CA(0.5)  51 CA(0.4)    0.0
                        (S)   38 CA  58 O (0.5)  30 CA(0.4)    0.0
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                    (S)   39 CA  59 O (0.5)  31 CA(0.4)    0.0
                    (S)   60 O   40 CA(0.5)  32 CA(0.4)    0.0
268    539.5544  (B1U)
                    (O)   53 O    1 SI(0.0)  69 O (0.8)    0.0
                    (O)   54 O    2 SI(0.0)  70 O (0.8)    0.0
                    (O)   55 O    3 SI(0.0)  71 O (0.8)    0.0
                    (O)   56 O    4 SI(0.0)  72 O (0.8)    0.0
                    (O)   57 O    5 SI(0.0)  73 O (0.8)    0.0
                    (O)   58 O    6 SI(0.0)  74 O (0.8)    0.0
                    (O)   59 O    7 SI(0.0)  75 O (0.8)    0.0
                    (O)   60 O    8 SI(0.0)  76 O (0.8)    0.0
                    (B)  101 O    9 SI(0.0)  93 O (0.9)    0.0
                    (B)  102 O   10 SI(0.0)  94 O (0.9)    0.0
                    (B)  103 O   11 SI(0.0)  95 O (0.9)    0.0
                    (B)  104 O   12 SI(0.0)  96 O (0.9)    0.0
                    (B)  105 O   13 SI(0.0)  97 O (0.9)    0.0
                    (B)  106 O   14 SI(0.0)  98 O (0.9)    0.0
                    (B)  107 O   15 SI(0.0)  99 O (0.9)    0.0
                    (B)  108 O   16 SI(0.0) 100 O (0.9)    0.0
                    (B)  117 O   17 SI(0.0) 101 O (1.0)    0.0
                    (B)  120 O   17 SI(0.0) 104 O (1.0)    0.0
                    (B)  118 O   18 SI(0.0) 102 O (1.0)    0.0
                    (B)  119 O   18 SI(0.0) 103 O (1.0)    0.0
                    (B)  121 O   19 SI(0.0) 105 O (1.0)    0.0
                    (B)  124 O   19 SI(0.0) 108 O (1.0)    0.0
                    (B)  122 O   20 SI(0.0) 106 O (1.0)    0.0
                    (B)  123 O   20 SI(0.0) 107 O (1.0)    0.0
269    544.3762  (AG )
                    (B)   93 O    9 SI(0.0)  85 O (1.0)    0.0
                    (B)   94 O   10 SI(0.0)  86 O (1.0)    0.0
                    (B)   95 O   11 SI(0.0)  87 O (1.0)    0.0
                    (B)   96 O   12 SI(0.0)  88 O (1.0)    0.0
                    (B)   97 O   13 SI(0.0)  89 O (1.0)    0.0
                    (B)   98 O   14 SI(0.0)  90 O (1.0)    0.0
                    (B)   99 O   15 SI(0.0)  91 O (1.0)    0.0
                    (B)  100 O   16 SI(0.0)  92 O (1.0)    0.0
270    548.3487  (B2G)
                    (B)   53 O    1 SI(0.0)  61 O (0.9)    0.0
                    (B)   54 O    2 SI(0.0)  62 O (0.9)    0.0
                    (B)   55 O    3 SI(0.0)  63 O (0.9)    0.0
                    (B)   56 O    4 SI(0.0)  64 O (0.9)    0.0
                    (B)   57 O    5 SI(0.0)  65 O (0.9)    0.0
                    (B)   58 O    6 SI(0.0)  66 O (0.9)    0.0
                    (B)   59 O    7 SI(0.0)  67 O (0.9)    0.0
                    (B)   60 O    8 SI(0.0)  68 O (0.9)    0.0
271    550.2777  (B3U)
                    (B)   93 O    9 SI(0.0)  85 O (0.9)    0.0
                    (B)   94 O   10 SI(0.0)  86 O (0.9)    0.0
                    (B)   95 O   11 SI(0.0)  87 O (0.9)    0.0
                    (B)   96 O   12 SI(0.0)  88 O (0.9)    0.0
                    (B)   97 O   13 SI(0.0)  89 O (0.9)    0.0
                    (B)   98 O   14 SI(0.0)  90 O (0.9)    0.0
                    (B)   99 O   15 SI(0.0)  91 O (0.9)    0.0
                    (B)  100 O   16 SI(0.0)  92 O (0.9)    0.0
272    554.4653  (AG )
                    (B)   53 O    1 SI(0.0)  61 O (0.9)    0.0
                    (B)   54 O    2 SI(0.0)  62 O (0.9)    0.0
                    (B)   55 O    3 SI(0.0)  63 O (0.9)    0.0
                    (B)   56 O    4 SI(0.0)  64 O (0.9)    0.0
                    (B)   57 O    5 SI(0.0)  65 O (0.9)    0.0
                    (B)   58 O    6 SI(0.0)  66 O (0.9)    0.0
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                        (B)   59 O    7 SI(0.0)  67 O (0.9)    0.0
                        (B)   60 O    8 SI(0.0)  68 O (0.9)    0.0
273    555.2985  (AU )
                        (B)   53 O    1 SI(0.0)  29 CA(1.0)    0.0
                        (B)    1 SI  61 O (0.0)  27 CA(1.0)    0.0
                        (B)   54 O    2 SI(0.0)  30 CA(1.0)    0.0
                        (B)   62 O    2 SI(0.0)  28 CA(1.0)    0.0
                        (B)   55 O    3 SI(0.0)  71 O (0.9)    0.0
                        (B)    3 SI  63 O (0.0)  25 CA(1.0)    0.0
                        (B)   56 O    4 SI(0.0)  32 CA(1.0)    0.0
                        (B)   64 O    4 SI(0.0)  26 CA(1.0)    0.0
                        (B)   57 O    5 SI(0.0)  73 O (0.9)    0.0
                        (B)    5 SI  65 O (0.0)  23 CA(1.0)    0.0
                        (B)   58 O    6 SI(0.0)  30 CA(1.0)    0.0
                        (B)   66 O    6 SI(0.0)  24 CA(1.0)    0.0
                        (B)   59 O    7 SI(0.0)  31 CA(1.0)    0.0
                        (B)   67 O    7 SI(0.0)  21 CA(1.0)    0.0
                        (B)   60 O    8 SI(0.0)  32 CA(1.0)    0.0
                        (B)   68 O    8 SI(0.0)  22 CA(1.0)    0.0
274    556.3728  (B1G)
                        (B)   53 O    1 SI(0.0)  61 O (0.9)    0.0
                        (B)   69 O    1 SI(0.0)  61 O (0.9)    0.0
                        (B)   54 O    2 SI(0.0)  62 O (0.9)    0.0
                        (B)   70 O    2 SI(0.0)  62 O (0.9)    0.0
                        (B)   55 O    3 SI(0.0)  63 O (0.9)    0.0
                        (B)   71 O    3 SI(0.0)  63 O (0.9)    0.0
                        (B)   56 O    4 SI(0.0)  64 O (0.9)    0.0
                        (B)   72 O    4 SI(0.0)  64 O (0.9)    0.0
                        (B)   57 O    5 SI(0.0)  65 O (0.9)    0.0
                        (B)   73 O    5 SI(0.0)  65 O (0.9)    0.0
                        (B)   58 O    6 SI(0.0)  66 O (0.9)    0.0
                        (B)   74 O    6 SI(0.0)  66 O (0.9)    0.0
                        (B)   59 O    7 SI(0.0)  67 O (0.9)    0.0
                        (B)   75 O    7 SI(0.0)  67 O (0.9)    0.0
                        (B)   60 O    8 SI(0.0)  68 O (0.9)    0.0
                        (B)   76 O    8 SI(0.0)  68 O (0.9)    0.0
275    556.4420  (B3G)
                        (B)   53 O    1 SI(0.0)  61 O (0.9)    0.0
                        (B)   69 O    1 SI(0.0)  61 O (0.9)    0.0
                        (B)   54 O    2 SI(0.0)  62 O (0.9)    0.0
                        (B)   70 O    2 SI(0.0)  62 O (0.9)    0.0
                        (B)   55 O    3 SI(0.0)  63 O (0.9)    0.0
                        (B)   71 O    3 SI(0.0)  63 O (0.9)    0.0
                        (B)   56 O    4 SI(0.0)  64 O (0.9)    0.0
                        (B)   72 O    4 SI(0.0)  64 O (0.9)    0.0
                        (B)   57 O    5 SI(0.0)  65 O (0.9)    0.0
                        (B)   73 O    5 SI(0.0)  65 O (0.9)    0.0
                        (B)   58 O    6 SI(0.0)  66 O (0.9)    0.0
                        (B)   74 O    6 SI(0.0)  66 O (0.9)    0.0
                        (B)   59 O    7 SI(0.0)  67 O (0.9)    0.0
                        (B)   75 O    7 SI(0.0)  67 O (0.9)    0.0
                        (B)   60 O    8 SI(0.0)  68 O (0.9)    0.0
                        (B)   76 O    8 SI(0.0)  68 O (0.9)    0.0
276    558.6831  (B3G)
                        (B)   61 O    1 SI(0.0)  69 O (0.9)    0.0
                        (B)   62 O    2 SI(0.0)  70 O (0.9)    0.0
                        (B)   63 O    3 SI(0.0)  71 O (0.9)    0.0
                        (B)   64 O    4 SI(0.0)  72 O (0.9)    0.0
                        (B)   65 O    5 SI(0.0)  73 O (0.9)    0.0
                        (B)   66 O    6 SI(0.0)  74 O (0.9)    0.0
                        (B)   67 O    7 SI(0.0)  75 O (0.9)    0.0
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                        (B)   68 O    8 SI(0.0)  76 O (0.9)    0.0
277    560.4148  (B2U)
                        (B)   53 O    1 SI(0.0)  77 O (1.0)    0.0
                        (B)   61 O    1 SI(0.0)  77 O (1.0)    0.0
                        (B)   54 O    2 SI(0.0)  78 O (1.0)    0.0
                        (B)   62 O    2 SI(0.0)  78 O (1.0)    0.0
                        (B)   55 O    3 SI(0.0)  79 O (1.0)    0.0
                        (B)   63 O    3 SI(0.0)  79 O (1.0)    0.0
                        (B)   56 O    4 SI(0.0)  80 O (1.0)    0.0
                        (B)   64 O    4 SI(0.0)  80 O (1.0)    0.0
                        (B)   57 O    5 SI(0.0)  81 O (1.0)    0.0
                        (B)   65 O    5 SI(0.0)  81 O (1.0)    0.0
                        (B)   58 O    6 SI(0.0)  82 O (1.0)    0.0
                        (B)   66 O    6 SI(0.0)  82 O (1.0)    0.0
                        (B)   59 O    7 SI(0.0)  83 O (1.0)    0.0
                        (B)   67 O    7 SI(0.0)  83 O (1.0)    0.0
                        (B)   60 O    8 SI(0.0)  84 O (1.0)    0.0
                        (B)   68 O    8 SI(0.0)  84 O (1.0)    0.0
278    561.2695  (B1U)
                        (B)   53 O    1 SI(0.0)  77 O (1.0)    0.0
                        (B)    1 SI  61 O (0.0)  41 CA(1.0)    0.0
                        (B)   54 O    2 SI(0.0)  78 O (1.0)    0.0
                        (B)    2 SI  62 O (0.0)  42 CA(1.0)    0.0
                        (B)   55 O    3 SI(0.0)  79 O (1.0)    0.0
                        (B)    3 SI  63 O (0.0)  43 CA(1.0)    0.0
                        (B)   56 O    4 SI(0.0)  80 O (1.0)    0.0
                        (B)    4 SI  64 O (0.0)  44 CA(1.0)    0.0
                        (B)   57 O    5 SI(0.0)  81 O (1.0)    0.0
                        (B)    5 SI  65 O (0.0)  45 CA(1.0)    0.0
                        (B)   58 O    6 SI(0.0)  82 O (1.0)    0.0
                        (B)    6 SI  66 O (0.0)  46 CA(1.0)    0.0
                        (B)   59 O    7 SI(0.0)  83 O (1.0)    0.0
                        (B)    7 SI  67 O (0.0)  47 CA(1.0)    0.0
                        (B)   60 O    8 SI(0.0)  84 O (1.0)    0.0
                        (B)    8 SI  68 O (0.0)  48 CA(1.0)    0.0
279    562.7512  (B3U)
                        (B)    1 SI  53 O (0.0)  21 CA(1.0)    0.0
                        (B)   61 O    1 SI(0.0)  77 O (1.0)    0.0
                        (B)   69 O    1 SI(0.0)  33 CA(1.0)    0.0
                        (B)    2 SI  54 O (0.0)  22 CA(1.0)    0.0
                        (B)   62 O    2 SI(0.0)  78 O (1.0)    0.0
                        (B)   70 O    2 SI(0.0)  34 CA(1.0)    0.0
                        (B)    3 SI  55 O (0.0)  23 CA(1.0)    0.0
                        (B)   63 O    3 SI(0.0)  79 O (1.0)    0.0
                        (B)   71 O    3 SI(0.0)  35 CA(1.0)    0.0
                        (B)    4 SI  56 O (0.0)  24 CA(1.0)    0.0
                        (B)   64 O    4 SI(0.0)  80 O (1.0)    0.0
                        (B)   72 O    4 SI(0.0)  36 CA(1.0)    0.0
                        (B)    5 SI  57 O (0.0)  25 CA(1.0)    0.0
                        (B)   65 O    5 SI(0.0)  81 O (1.0)    0.0
                        (B)   73 O    5 SI(0.0)  37 CA(1.0)    0.0
                        (B)    6 SI  58 O (0.0)  26 CA(1.0)    0.0
                        (B)   66 O    6 SI(0.0)  82 O (1.0)    0.0
                        (B)   74 O    6 SI(0.0)  38 CA(1.0)    0.0
                        (B)    7 SI  59 O (0.0)  27 CA(1.0)    0.0
                        (B)   67 O    7 SI(0.0)  83 O (1.0)    0.0
                        (B)   75 O    7 SI(0.0)  39 CA(1.0)    0.0
                        (B)    8 SI  60 O (0.0)  28 CA(1.0)    0.0
                        (B)   68 O    8 SI(0.0)  84 O (1.0)    0.0
                        (B)   76 O    8 SI(0.0)  40 CA(1.0)    0.0
280    562.8203  (AU )
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                    (B)    1 SI  53 O (0.0)  21 CA(0.9)    0.0
                    (B)   61 O    1 SI(0.0)  29 CA(0.9)    0.0
                    (B)    2 SI  54 O (0.0)  22 CA(0.9)    0.0
                    (B)   62 O    2 SI(0.0)  30 CA(0.9)    0.0
                    (B)    3 SI  55 O (0.0)  23 CA(0.9)    0.0
                    (B)   63 O    3 SI(0.0)  79 O (0.9)    0.0
                    (B)    4 SI  56 O (0.0)  24 CA(0.9)    0.0
                    (B)   64 O    4 SI(0.0)  32 CA(0.9)    0.0
                    (B)    5 SI  57 O (0.0)  25 CA(0.9)    0.0
                    (B)   65 O    5 SI(0.0)  81 O (0.9)    0.0
                    (B)    6 SI  58 O (0.0)  26 CA(0.9)    0.0
                    (B)   66 O    6 SI(0.0)  30 CA(0.9)    0.0
                    (B)    7 SI  59 O (0.0)  27 CA(0.9)    0.0
                    (B)   67 O    7 SI(0.0)  31 CA(0.9)    0.0
                    (B)    8 SI  60 O (0.0)  28 CA(0.9)    0.0
                    (B)   68 O    8 SI(0.0)  32 CA(0.9)    0.0
281    566.4043  (B2G)
                    (B)   53 O    1 SI(0.0)  29 CA(1.0)    0.0
                    (B)    1 SI  61 O (0.0)  41 CA(1.0)    0.0
                    (B)   54 O    2 SI(0.0)  30 CA(1.0)    0.0
                    (B)    2 SI  62 O (0.0)  42 CA(1.0)    0.0
                    (B)   55 O    3 SI(0.0)  71 O (0.9)    0.0
                    (B)    3 SI  63 O (0.0)  43 CA(1.0)    0.0
                    (B)   56 O    4 SI(0.0)  32 CA(1.0)    0.0
                    (B)    4 SI  64 O (0.0)  44 CA(1.0)    0.0
                    (B)   57 O    5 SI(0.0)  73 O (0.9)    0.0
                    (B)    5 SI  65 O (0.0)  45 CA(1.0)    0.0
                    (B)   58 O    6 SI(0.0)  30 CA(1.0)    0.0
                    (B)    6 SI  66 O (0.0)  46 CA(1.0)    0.0
                    (B)   59 O    7 SI(0.0)  31 CA(1.0)    0.0
                    (B)    7 SI  67 O (0.0)  47 CA(1.0)    0.0
                    (B)    8 SI  60 O (0.0)  32 CA(1.0)    0.0
                    (B)    8 SI  68 O (0.0)  48 CA(1.0)    0.0
282    566.6310  (AG )
                    (B)   53 O    1 SI(0.0)  77 O (0.9)    0.0
                    (B)   61 O    1 SI(0.0)  77 O (1.0)    0.0
                    (B)   54 O    2 SI(0.0)  78 O (0.9)    0.0
                    (B)   62 O    2 SI(0.0)  78 O (1.0)    0.0
                    (B)   55 O    3 SI(0.0)  79 O (0.9)    0.0
                    (B)   63 O    3 SI(0.0)  79 O (1.0)    0.0
                    (B)   56 O    4 SI(0.0)  80 O (0.9)    0.0
                    (B)   64 O    4 SI(0.0)  80 O (1.0)    0.0
                    (B)   57 O    5 SI(0.0)  81 O (0.9)    0.0
                    (B)   65 O    5 SI(0.0)  81 O (1.0)    0.0
                    (B)   58 O    6 SI(0.0)  82 O (0.9)    0.0
                    (B)   66 O    6 SI(0.0)  82 O (1.0)    0.0
                    (B)   59 O    7 SI(0.0)  83 O (0.9)    0.0
                    (B)   67 O    7 SI(0.0)  83 O (1.0)    0.0
                    (B)   60 O    8 SI(0.0)  84 O (0.9)    0.0
                    (B)   68 O    8 SI(0.0)  84 O (1.0)    0.0
283    567.3808  (B1U)
                    (B)   85 O    9 SI(0.0)  93 O (0.9)    0.0
                    (B)  109 O    9 SI(0.0)  33 CA(1.0)    0.0
                    (B)   86 O   10 SI(0.0)  94 O (0.9)    0.0
                    (B)  110 O   10 SI(0.0)  34 CA(1.0)    0.0
                    (B)   87 O   11 SI(0.0)  95 O (0.9)    0.0
                    (B)  111 O   11 SI(0.0)  35 CA(1.0)    0.0
                    (B)   88 O   12 SI(0.0)  96 O (0.9)    0.0
                    (B)  112 O   12 SI(0.0)  36 CA(1.0)    0.0
                    (B)   89 O   13 SI(0.0)  97 O (0.9)    0.0
                    (B)  113 O   13 SI(0.0)  37 CA(1.0)    0.0
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                        (B)   90 O   14 SI(0.0)  98 O (0.9)    0.0
                        (B)  114 O   14 SI(0.0)  38 CA(1.0)    0.0
                        (B)   91 O   15 SI(0.0)  99 O (0.9)    0.0
                        (B)  115 O   15 SI(0.0)  39 CA(1.0)    0.0
                        (B)   92 O   16 SI(0.0) 100 O (0.9)    0.0
                        (B)  116 O   16 SI(0.0)  40 CA(1.0)    0.0
                        (B)  101 O   17 SI(0.0) 117 O (0.9)    0.0
                        (B)  104 O   17 SI(0.0) 120 O (0.9)    0.0
                        (B)  102 O   18 SI(0.0) 118 O (0.9)    0.0
                        (B)  103 O   18 SI(0.0) 119 O (0.9)    0.0
                        (B)  105 O   19 SI(0.0) 121 O (0.9)    0.0
                        (B)  108 O   19 SI(0.0) 124 O (0.9)    0.0
                        (B)  106 O   20 SI(0.0) 122 O (0.9)    0.0
                        (B)  107 O   20 SI(0.0) 123 O (0.9)    0.0
284    567.4507  (B2G)
                        (B)    1 SI  53 O (0.0)  21 CA(0.9)    0.0
                        (B)   61 O    1 SI(0.0)  29 CA(0.9)    0.0
                        (B)    2 SI  54 O (0.0)  22 CA(0.9)    0.0
                        (B)   62 O    2 SI(0.0)  30 CA(0.9)    0.0
                        (B)    3 SI  55 O (0.0)  23 CA(0.9)    0.0
                        (B)   63 O    3 SI(0.0)  79 O (0.9)    0.0
                        (B)    4 SI  56 O (0.0)  24 CA(0.9)    0.0
                        (B)   64 O    4 SI(0.0)  32 CA(0.9)    0.0
                        (B)    5 SI  57 O (0.0)  25 CA(0.9)    0.0
                        (B)   65 O    5 SI(0.0)  81 O (0.9)    0.0
                        (B)    6 SI  58 O (0.0)  26 CA(0.9)    0.0
                        (B)   66 O    6 SI(0.0)  30 CA(0.9)    0.0
                        (B)    7 SI  59 O (0.0)  27 CA(0.9)    0.0
                        (B)   67 O    7 SI(0.0)  31 CA(0.9)    0.0
                        (B)    8 SI  60 O (0.0)  28 CA(0.9)    0.0
                        (B)   68 O    8 SI(0.0)  32 CA(0.9)    0.0
                        (B)   85 O    9 SI(0.0)  93 O (0.9)    0.0
                        (B)  109 O    9 SI(0.0)  33 CA(1.0)    0.0
                        (B)   86 O   10 SI(0.0)  94 O (0.9)    0.0
                        (B)  110 O   10 SI(0.0)  34 CA(1.0)    0.0
                        (B)   87 O   11 SI(0.0)  95 O (0.9)    0.0
                        (B)  111 O   11 SI(0.0)  35 CA(1.0)    0.0
                        (B)   88 O   12 SI(0.0)  96 O (0.9)    0.0
                        (B)  112 O   12 SI(0.0)  36 CA(1.0)    0.0
                        (B)   89 O   13 SI(0.0)  97 O (0.9)    0.0
                        (B)  113 O   13 SI(0.0)  37 CA(1.0)    0.0
                        (B)   90 O   14 SI(0.0)  98 O (0.9)    0.0
                        (B)  114 O   14 SI(0.0)  38 CA(1.0)    0.0
                        (B)   91 O   15 SI(0.0)  99 O (0.9)    0.0
                        (B)  115 O   15 SI(0.0)  39 CA(1.0)    0.0
                        (B)   92 O   16 SI(0.0) 100 O (0.9)    0.0
                        (B)  116 O   16 SI(0.0)  40 CA(1.0)    0.0
285    570.8591  (B1G)
                        (B)   53 O    1 SI(0.0)  29 CA(0.9)    0.0
                        (B)    1 SI  61 O (0.0)  27 CA(0.9)    0.0
                        (B)   54 O    2 SI(0.0)  30 CA(0.9)    0.0
                        (B)   62 O    2 SI(0.0)  28 CA(0.9)    0.0
                        (O)   55 O    3 SI(0.0)  71 O (0.8)    0.0
                        (B)   63 O    3 SI(0.0)  25 CA(0.9)    0.0
                        (B)   56 O    4 SI(0.0)  32 CA(0.9)    0.0
                        (B)   64 O    4 SI(0.0)  26 CA(0.9)    0.0
                        (O)   57 O    5 SI(0.0)  73 O (0.8)    0.0
                        (B)   65 O    5 SI(0.0)  23 CA(0.9)    0.0
                        (B)   58 O    6 SI(0.0)  30 CA(0.9)    0.0
                        (B)   66 O    6 SI(0.0)  24 CA(0.9)    0.0
                        (B)   59 O    7 SI(0.0)  31 CA(0.9)    0.0
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                        (B)   67 O    7 SI(0.0)  21 CA(0.9)    0.0
                        (B)   60 O    8 SI(0.0)  32 CA(0.9)    0.0
                        (B)   68 O    8 SI(0.0)  22 CA(0.9)    0.0
286    572.3712  (B2U)
                        (B)   85 O    9 SI(0.0)  93 O (0.9)    0.0
                        (B)  109 O    9 SI(0.0)  33 CA(1.0)    0.0
                        (B)   86 O   10 SI(0.0)  94 O (0.9)    0.0
                        (B)  110 O   10 SI(0.0)  34 CA(1.0)    0.0
                        (B)   87 O   11 SI(0.0)  95 O (0.9)    0.0
                        (B)  111 O   11 SI(0.0)  35 CA(1.0)    0.0
                        (B)   88 O   12 SI(0.0)  96 O (0.9)    0.0
                        (B)  112 O   12 SI(0.0)  36 CA(1.0)    0.0
                        (B)   89 O   13 SI(0.0)  97 O (0.9)    0.0
                        (B)  113 O   13 SI(0.0)  37 CA(1.0)    0.0
                        (B)   90 O   14 SI(0.0)  98 O (0.9)    0.0
                        (B)  114 O   14 SI(0.0)  38 CA(1.0)    0.0
                        (B)   91 O   15 SI(0.0)  99 O (0.9)    0.0
                        (B)  115 O   15 SI(0.0)  39 CA(1.0)    0.0
                        (B)   92 O   16 SI(0.0) 100 O (0.9)    0.0
                        (B)  116 O   16 SI(0.0)  40 CA(1.0)    0.0
287    575.8888  (B3G)
                        (B)   53 O    1 SI(0.0)  77 O (1.0)    0.0
                        (B)   61 O    1 SI(0.0)  29 CA(1.0)    0.0
                        (B)   69 O    1 SI(0.0)  77 O (0.9)    0.0
                        (B)   54 O    2 SI(0.0)  78 O (1.0)    0.0
                        (B)   62 O    2 SI(0.0)  30 CA(1.0)    0.0
                        (B)   70 O    2 SI(0.0)  78 O (0.9)    0.0
                        (B)   55 O    3 SI(0.0)  79 O (1.0)    0.0
                        (B)   63 O    3 SI(0.0)  79 O (0.9)    0.0
                        (B)   71 O    3 SI(0.0)  79 O (0.9)    0.0
                        (B)   56 O    4 SI(0.0)  80 O (1.0)    0.0
                        (B)   64 O    4 SI(0.0)  32 CA(1.0)    0.0
                        (B)   72 O    4 SI(0.0)  80 O (0.9)    0.0
                        (B)   57 O    5 SI(0.0)  81 O (1.0)    0.0
                        (B)   65 O    5 SI(0.0)  81 O (0.9)    0.0
                        (B)   73 O    5 SI(0.0)  81 O (0.9)    0.0
                        (B)   58 O    6 SI(0.0)  82 O (1.0)    0.0
                        (B)   66 O    6 SI(0.0)  30 CA(1.0)    0.0
                        (B)   74 O    6 SI(0.0)  82 O (0.9)    0.0
                        (B)   59 O    7 SI(0.0)  83 O (1.0)    0.0
                        (B)   67 O    7 SI(0.0)  31 CA(1.0)    0.0
                        (B)   75 O    7 SI(0.0)  83 O (0.9)    0.0
                        (B)   60 O    8 SI(0.0)  84 O (1.0)    0.0
                        (B)   68 O    8 SI(0.0)  32 CA(1.0)    0.0
                        (B)   76 O    8 SI(0.0)  84 O (0.9)    0.0
288    576.9706  (B3U)
                        (B)   17 SI 117 O (0.0)  52 CA(1.0)    0.0
                        (B)   17 SI 120 O (0.0)  52 CA(1.0)    0.0
                        (B)  118 O   18 SI(0.0)  51 CA(1.0)    0.0
                        (B)   18 SI 119 O (0.0)  51 CA(1.0)    0.0
                        (B)  121 O   19 SI(0.0) 124 O (1.0)    0.0
                        (B)  124 O   19 SI(0.0) 121 O (1.0)    0.0
                        (B)   20 SI 122 O (0.0)  49 CA(1.0)    0.0
                        (B)   20 SI 123 O (0.0)  49 CA(1.0)    0.0
289    577.0266  (AG )
                        (B)   17 SI 117 O (0.0)  52 CA(1.0)    0.0
                        (B)  120 O   17 SI(0.0)  52 CA(1.0)    0.0
                        (B)  118 O   18 SI(0.0)  51 CA(1.0)    0.0
                        (B)   18 SI 119 O (0.0)  51 CA(1.0)    0.0
                        (B)  121 O   19 SI(0.0) 124 O (1.0)    0.0
                        (B)  124 O   19 SI(0.0) 121 O (1.0)    0.0
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                        (B)   20 SI 122 O (0.0)  49 CA(1.0)    0.0
                        (B)   20 SI 123 O (0.0)  49 CA(1.0)    0.0
290    577.7834  (B1G)
                        (B)   53 O    1 SI(0.0)  27 CA(1.0)    0.0
                        (B)   61 O    1 SI(0.0)  29 CA(0.9)    0.0
                        (B)   69 O    1 SI(0.0)  77 O (0.9)    0.0
                        (B)   54 O    2 SI(0.0)  28 CA(1.0)    0.0
                        (B)   62 O    2 SI(0.0)  30 CA(0.9)    0.0
                        (B)   70 O    2 SI(0.0)  78 O (0.9)    0.0
                        (B)   55 O    3 SI(0.0)  25 CA(1.0)    0.0
                        (B)   63 O    3 SI(0.0)  79 O (0.9)    0.0
                        (B)   71 O    3 SI(0.0)  79 O (0.9)    0.0
                        (B)   56 O    4 SI(0.0)  26 CA(1.0)    0.0
                        (B)   64 O    4 SI(0.0)  32 CA(0.9)    0.0
                        (B)   72 O    4 SI(0.0)  80 O (0.9)    0.0
                        (B)   57 O    5 SI(0.0)  23 CA(1.0)    0.0
                        (B)   65 O    5 SI(0.0)  81 O (0.9)    0.0
                        (B)   73 O    5 SI(0.0)  81 O (0.9)    0.0
                        (B)   58 O    6 SI(0.0)  24 CA(1.0)    0.0
                        (B)   66 O    6 SI(0.0)  30 CA(0.9)    0.0
                        (B)   74 O    6 SI(0.0)  82 O (0.9)    0.0
                        (B)   59 O    7 SI(0.0)  21 CA(1.0)    0.0
                        (B)   67 O    7 SI(0.0)  31 CA(0.9)    0.0
                        (B)   75 O    7 SI(0.0)  83 O (0.9)    0.0
                        (B)   60 O    8 SI(0.0)  22 CA(1.0)    0.0
                        (B)   68 O    8 SI(0.0)  32 CA(0.9)    0.0
                        (B)   76 O    8 SI(0.0)  84 O (0.9)    0.0
291    588.5297  (AU )
                        (B)  101 O    9 SI(0.1) 109 O (0.8)    0.0
                        (B)  102 O   10 SI(0.1) 110 O (0.8)    0.0
                        (B)  103 O   11 SI(0.1) 111 O (0.8)    0.0
                        (B)  104 O   12 SI(0.1) 112 O (0.8)    0.0
                        (B)  105 O   13 SI(0.1) 113 O (0.8)    0.0
                        (B)  106 O   14 SI(0.1) 114 O (0.8)    0.0
                        (B)  107 O   15 SI(0.1) 115 O (0.8)    0.0
                        (B)  108 O   16 SI(0.1) 116 O (0.8)    0.0
292    589.1088  (B3G)
                        (B)  101 O    9 SI(0.1) 109 O (0.8)    0.0
                        (B)  102 O   10 SI(0.1) 110 O (0.8)    0.0
                        (B)  103 O   11 SI(0.1) 111 O (0.8)    0.0
                        (B)  104 O   12 SI(0.1) 112 O (0.8)    0.0
                        (B)  105 O   13 SI(0.1) 113 O (0.8)    0.0
                        (B)  106 O   14 SI(0.1) 114 O (0.8)    0.0
                        (B)  107 O   15 SI(0.1) 115 O (0.8)    0.0
                        (B)  108 O   16 SI(0.1) 116 O (0.8)    0.0
                        (B)   17 SI 117 O (0.0)  52 CA(1.0)    0.0
                        (B)  120 O   17 SI(0.0)  52 CA(1.0)    0.0
                        (B)  118 O   18 SI(0.0)  51 CA(1.0)    0.0
                        (B)   18 SI 119 O (0.0)  51 CA(1.0)    0.0
                        (B)  121 O   19 SI(0.0) 124 O (1.0)    0.0
                        (B)  124 O   19 SI(0.0) 121 O (1.0)    0.0
                        (B)  122 O   20 SI(0.0)  49 CA(1.0)    0.0
                        (B)   20 SI 123 O (0.0)  49 CA(1.0)    0.0
293    666.9557  (B3U)
                        (S)    9 SI 101 O (0.7)  17 SI(0.3)    0.0
                        (S)   10 SI 102 O (0.7)  18 SI(0.3)    0.0
                        (S)   11 SI 103 O (0.7)  18 SI(0.3)    0.0
                        (S)   12 SI 104 O (0.7)  17 SI(0.3)    0.0
                        (S)   13 SI 105 O (0.7)  19 SI(0.3)    0.0
                        (S)   14 SI 106 O (0.7)  20 SI(0.3)    0.0
                        (S)   15 SI 107 O (0.7)  20 SI(0.3)    0.0
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                        (S)   16 SI 108 O (0.7)  19 SI(0.3)    0.0
294    667.5615  (AG )
                        (S)    9 SI 101 O (0.7)  17 SI(0.3)    0.0
                        (S)   10 SI 102 O (0.7)  18 SI(0.3)    0.0
                        (S)   11 SI 103 O (0.7)  18 SI(0.3)    0.0
                        (S)   12 SI 104 O (0.7)  17 SI(0.3)    0.0
                        (S)   13 SI 105 O (0.7)  19 SI(0.3)    0.0
                        (S)   14 SI 106 O (0.7)  20 SI(0.3)    0.0
                        (S)   15 SI 107 O (0.7)  20 SI(0.3)    0.0
                        (S)   16 SI 108 O (0.7)  19 SI(0.3)    0.0
295    678.3849  (B3G)
                        (S)    9 SI 101 O (0.7)  17 SI(0.2)    0.0
                        (S)   10 SI 102 O (0.7)  18 SI(0.2)    0.0
                        (S)   11 SI 103 O (0.7)  18 SI(0.2)    0.0
                        (S)   12 SI 104 O (0.7)  17 SI(0.2)    0.0
                        (S)   13 SI 105 O (0.7)  19 SI(0.2)    0.0
                        (S)   14 SI 106 O (0.7)  20 SI(0.2)    0.0
                        (S)   15 SI 107 O (0.7)  20 SI(0.2)    0.0
                        (S)   16 SI 108 O (0.7)  19 SI(0.2)    0.0
296    678.4168  (AU )
                        (S)    9 SI 101 O (0.7)  17 SI(0.2)    0.0
                        (S)   10 SI 102 O (0.7)  18 SI(0.2)    0.0
                        (S)   11 SI 103 O (0.7)  18 SI(0.2)    0.0
                        (S)   12 SI 104 O (0.7)  17 SI(0.2)    0.0
                        (S)   13 SI 105 O (0.7)  19 SI(0.2)    0.0
                        (S)   14 SI 106 O (0.7)  20 SI(0.2)    0.0
                        (S)   15 SI 107 O (0.7)  20 SI(0.2)    0.0
                        (S)   16 SI 108 O (0.7)  19 SI(0.2)    0.0
297    707.5177  (B1U)
                        (S)  101 O    9 SI(0.8)  33 CA(0.2)    0.0
                        (S)  102 O   10 SI(0.8)  34 CA(0.2)    0.0
                        (S)  103 O   11 SI(0.8)  35 CA(0.2)    0.0
                        (S)  104 O   12 SI(0.8)  36 CA(0.2)    0.0
                        (S)  105 O   13 SI(0.8)  37 CA(0.2)    0.0
                        (S)  106 O   14 SI(0.8)  38 CA(0.2)    0.0
                        (S)  107 O   15 SI(0.8)  39 CA(0.2)    0.0
                        (S)  108 O   16 SI(0.8)  40 CA(0.2)    0.0
                        (B)  101 O   17 SI(0.3) 120 O (0.7)    0.0
                        (B)  104 O   17 SI(0.3) 117 O (0.7)    0.0
                        (B)  102 O   18 SI(0.3) 119 O (0.7)    0.0
                        (B)  103 O   18 SI(0.3) 118 O (0.7)    0.0
                        (B)  105 O   19 SI(0.3) 124 O (0.7)    0.0
                        (B)  108 O   19 SI(0.3) 121 O (0.7)    0.0
                        (B)  106 O   20 SI(0.3) 123 O (0.7)    0.0
                        (B)  107 O   20 SI(0.3) 122 O (0.7)    0.0
298    708.6275  (B2U)
                        (S)    9 SI 101 O (0.8)  17 SI(0.2)    0.0
                        (S)   10 SI 102 O (0.8)  18 SI(0.2)    0.0
                        (S)   11 SI 103 O (0.8)  18 SI(0.2)    0.0
                        (S)   12 SI 104 O (0.8)  17 SI(0.2)    0.0
                        (S)   13 SI 105 O (0.8)  19 SI(0.2)    0.0
                        (S)   14 SI 106 O (0.8)  20 SI(0.2)    0.0
                        (S)   15 SI 107 O (0.8)  20 SI(0.2)    0.0
                        (S)   16 SI 108 O (0.8)  19 SI(0.2)    0.0
                        (B)  101 O   17 SI(0.3) 120 O (0.7)    0.0
                        (B)  104 O   17 SI(0.3) 117 O (0.7)    0.0
                        (B)  102 O   18 SI(0.3) 119 O (0.7)    0.0
                        (B)  103 O   18 SI(0.3) 118 O (0.7)    0.0
                        (B)  105 O   19 SI(0.3) 124 O (0.7)    0.0
                        (B)  108 O   19 SI(0.3) 121 O (0.7)    0.0
                        (B)  106 O   20 SI(0.3) 123 O (0.7)    0.0
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                        (B)  107 O   20 SI(0.3) 122 O (0.7)    0.0
299    708.8290  (B2G)
                        (S)  101 O    9 SI(0.8)  33 CA(0.2)    0.0
                        (S)  102 O   10 SI(0.8)  34 CA(0.2)    0.0
                        (S)  103 O   11 SI(0.8)  35 CA(0.2)    0.0
                        (S)  104 O   12 SI(0.8)  36 CA(0.2)    0.0
                        (S)  105 O   13 SI(0.8)  37 CA(0.2)    0.0
                        (S)  106 O   14 SI(0.8)  38 CA(0.2)    0.0
                        (S)  107 O   15 SI(0.8)  39 CA(0.2)    0.0
                        (S)  108 O   16 SI(0.8)  40 CA(0.2)    0.0
                        (B)  101 O   17 SI(0.3) 120 O (0.7)    0.0
                        (B)  104 O   17 SI(0.3) 117 O (0.7)    0.0
                        (B)  102 O   18 SI(0.3) 119 O (0.7)    0.0
                        (B)  103 O   18 SI(0.3) 118 O (0.7)    0.0
                        (B)  105 O   19 SI(0.3) 124 O (0.7)    0.0
                        (B)  108 O   19 SI(0.3) 121 O (0.7)    0.0
                        (B)  106 O   20 SI(0.3) 123 O (0.7)    0.0
                        (B)  107 O   20 SI(0.3) 122 O (0.7)    0.0
300    708.8821  (B1G)
                        (S)    9 SI 101 O (0.8)  17 SI(0.2)    0.0
                        (S)   10 SI 102 O (0.8)  18 SI(0.2)    0.0
                        (S)   11 SI 103 O (0.8)  18 SI(0.2)    0.0
                        (S)   12 SI 104 O (0.8)  17 SI(0.2)    0.0
                        (S)   13 SI 105 O (0.8)  19 SI(0.2)    0.0
                        (S)   14 SI 106 O (0.8)  20 SI(0.2)    0.0
                        (S)   15 SI 107 O (0.8)  20 SI(0.2)    0.0
                        (S)   16 SI 108 O (0.8)  19 SI(0.2)    0.0
                        (B)  101 O   17 SI(0.3) 120 O (0.7)    0.0
                        (B)  104 O   17 SI(0.3) 117 O (0.7)    0.0
                        (B)  102 O   18 SI(0.3) 119 O (0.7)    0.0
                        (B)  103 O   18 SI(0.3) 118 O (0.7)    0.0
                        (B)  105 O   19 SI(0.3) 124 O (0.7)    0.0
                        (B)  108 O   19 SI(0.3) 121 O (0.7)    0.0
                        (B)  106 O   20 SI(0.3) 123 O (0.7)    0.0
                        (B)  107 O   20 SI(0.3) 122 O (0.7)    0.0
301    814.2881  (B2G)
                        (S)   53 O    1 SI(1.0)                0.0
                        (S)   54 O    2 SI(1.0)                0.0
                        (S)   55 O    3 SI(1.0)                0.0
                        (S)   56 O    4 SI(1.0)                0.0
                        (S)   57 O    5 SI(1.0)                0.0
                        (S)   58 O    6 SI(1.0)                0.0
                        (S)   59 O    7 SI(1.0)                0.0
                        (S)   60 O    8 SI(1.0)                0.0
302    814.4241  (AG )
                        (S)   53 O    1 SI(1.0)                0.0
                        (S)   54 O    2 SI(1.0)                0.0
                        (S)   55 O    3 SI(1.0)                0.0
                        (S)   56 O    4 SI(1.0)                0.0
                        (S)   57 O    5 SI(1.0)                0.0
                        (S)   58 O    6 SI(1.0)                0.0
                        (S)   59 O    7 SI(1.0)                0.0
                        (S)   60 O    8 SI(1.0)                0.0
303    815.9962  (B1U)
                        (S)   53 O    1 SI(1.0)                0.0
                        (S)   54 O    2 SI(1.0)                0.0
                        (S)   55 O    3 SI(1.0)                0.0
                        (S)   56 O    4 SI(1.0)                0.0
                        (S)   57 O    5 SI(1.0)                0.0
                        (S)   58 O    6 SI(1.0)                0.0
                        (S)   59 O    7 SI(1.0)                0.0
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                        (S)   60 O    8 SI(1.0)                0.0
304    816.7582  (B3U)
                        (S)   53 O    1 SI(1.0)                0.0
                        (S)   54 O    2 SI(1.0)                0.0
                        (S)   55 O    3 SI(1.0)                0.0
                        (S)   56 O    4 SI(1.0)                0.0
                        (S)   57 O    5 SI(1.0)                0.0
                        (S)   58 O    6 SI(1.0)                0.0
                        (S)   59 O    7 SI(1.0)                0.0
                        (S)   60 O    8 SI(1.0)                0.0
305    818.1187  (B2U)
                        (S)   53 O    1 SI(0.9)                0.0
                        (S)   54 O    2 SI(0.9)                0.0
                        (S)   55 O    3 SI(0.9)                0.0
                        (S)   56 O    4 SI(0.9)                0.0
                        (S)   57 O    5 SI(0.9)                0.0
                        (S)   58 O    6 SI(0.9)                0.0
                        (S)   59 O    7 SI(0.9)                0.0
                        (S)   60 O    8 SI(0.9)                0.0
306    818.4397  (B1G)
                        (S)   53 O    1 SI(1.0)                0.0
                        (S)   54 O    2 SI(1.0)                0.0
                        (S)   55 O    3 SI(1.0)                0.0
                        (S)   56 O    4 SI(1.0)                0.0
                        (S)   57 O    5 SI(1.0)                0.0
                        (S)   58 O    6 SI(1.0)                0.0
                        (S)   59 O    7 SI(1.0)                0.0
                        (S)   60 O    8 SI(1.0)                0.0
                        (S)   85 O    9 SI(0.9)                0.0
                        (S)  101 O    9 SI(0.8) 109 O (0.2)    0.0
                        (S)   86 O   10 SI(0.9)                0.0
                        (S)  102 O   10 SI(0.8) 110 O (0.2)    0.0
                        (S)   87 O   11 SI(0.9)                0.0
                        (S)  103 O   11 SI(0.8) 111 O (0.2)    0.0
                        (S)   88 O   12 SI(0.9)                0.0
                        (S)  104 O   12 SI(0.8) 112 O (0.2)    0.0
                        (S)   89 O   13 SI(0.9)                0.0
                        (S)  105 O   13 SI(0.8) 113 O (0.2)    0.0
                        (S)   90 O   14 SI(0.9)                0.0
                        (S)  106 O   14 SI(0.8) 114 O (0.2)    0.0
                        (S)   91 O   15 SI(0.9)                0.0
                        (S)  107 O   15 SI(0.8) 115 O (0.2)    0.0
                        (S)   92 O   16 SI(0.9)                0.0
                        (S)  108 O   16 SI(0.8) 116 O (0.2)    0.0
307    818.6693  (AU )
                        (S)   53 O    1 SI(0.9)                0.0
                        (S)   69 O    1 SI(0.9)                0.0
                        (S)   54 O    2 SI(0.9)                0.0
                        (S)   70 O    2 SI(0.9)                0.0
                        (S)   55 O    3 SI(0.9)                0.0
                        (S)   71 O    3 SI(0.9)                0.0
                        (S)   56 O    4 SI(0.9)                0.0
                        (S)   72 O    4 SI(0.9)                0.0
                        (S)   57 O    5 SI(0.9)                0.0
                        (S)   73 O    5 SI(0.9)                0.0
                        (S)   58 O    6 SI(0.9)                0.0
                        (S)   74 O    6 SI(0.9)                0.0
                        (S)   59 O    7 SI(0.9)                0.0
                        (S)   75 O    7 SI(0.9)                0.0
                        (S)   60 O    8 SI(0.9)                0.0
                        (S)   76 O    8 SI(0.9)                0.0
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                        (S)   53 O   21 CA(0.5)   7 SI(0.5)    0.0
                        (S)   54 O   22 CA(0.5)   8 SI(0.5)    0.0
                        (S)   55 O   23 CA(0.5)   5 SI(0.5)    0.0
                        (S)   56 O   24 CA(0.5)   6 SI(0.5)    0.0
                        (S)   57 O   25 CA(0.5)   3 SI(0.5)    0.0
                        (S)   58 O   26 CA(0.5)   4 SI(0.5)    0.0
                        (S)   59 O   27 CA(0.5)   1 SI(0.5)    0.0
                        (S)   60 O   28 CA(0.5)   2 SI(0.5)    0.0
                        (B)   53 O   29 CA(0.0)   1 SI(1.0)    0.0
                        (B)   54 O   30 CA(0.0)   2 SI(1.0)    0.0
                        (B)   58 O   30 CA(0.0)   2 SI(1.0)    0.0
                        (B)   31 CA  59 O (0.0)   7 SI(1.0)    0.0
                        (B)   56 O   32 CA(0.0)   4 SI(1.0)    0.0
                        (B)   60 O   32 CA(0.0)   4 SI(1.0)    0.0
                        (B)   33 CA  53 O (0.0)   1 SI(1.0)    0.0
                        (B)   34 CA  54 O (0.0)   2 SI(1.0)    0.0
                        (B)   55 O   35 CA(0.0)   3 SI(1.0)    0.0
                        (B)   36 CA  56 O (0.0)   4 SI(1.0)    0.0
                        (B)   57 O   37 CA(0.0)   5 SI(1.0)    0.0
                        (B)   38 CA  58 O (0.0)   6 SI(1.0)    0.0
                        (B)   59 O   39 CA(0.0)   7 SI(1.0)    0.0
                        (B)   60 O   40 CA(0.0)   8 SI(1.0)    0.0
308    821.5325  (B2U)
                        (S)  101 O    9 SI(0.8)  33 CA(0.2)    0.0
                        (S)  102 O   10 SI(0.8)  34 CA(0.2)    0.0
                        (S)  103 O   11 SI(0.8)  35 CA(0.2)    0.0
                        (S)  104 O   12 SI(0.8)  36 CA(0.2)    0.0
                        (S)  105 O   13 SI(0.8)  37 CA(0.2)    0.0
                        (S)  106 O   14 SI(0.8)  38 CA(0.2)    0.0
                        (S)  107 O   15 SI(0.8)  39 CA(0.2)    0.0
                        (S)  108 O   16 SI(0.8)  40 CA(0.2)    0.0
309    823.4306  (B3G)
                        (S)   53 O    1 SI(1.0)                0.0
                        (S)   54 O    2 SI(1.0)                0.0
                        (S)   55 O    3 SI(1.0)                0.0
                        (S)   56 O    4 SI(1.0)                0.0
                        (S)   57 O    5 SI(1.0)                0.0
                        (S)   58 O    6 SI(1.0)                0.0
                        (S)   59 O    7 SI(1.0)                0.0
                        (S)   60 O    8 SI(1.0)                0.0
310    826.2185  (B1U)
                        (S)   85 O    9 SI(0.9)                0.0
                        (S)  101 O    9 SI(0.8) 109 O (0.2)    0.0
                        (S)   86 O   10 SI(0.9)                0.0
                        (S)  102 O   10 SI(0.8) 110 O (0.2)    0.0
                        (S)   87 O   11 SI(0.9)                0.0
                        (S)  103 O   11 SI(0.8) 111 O (0.2)    0.0
                        (S)   88 O   12 SI(0.9)                0.0
                        (S)  104 O   12 SI(0.8) 112 O (0.2)    0.0
                        (S)   89 O   13 SI(0.9)                0.0
                        (S)  105 O   13 SI(0.8) 113 O (0.2)    0.0
                        (S)   90 O   14 SI(0.9)                0.0
                        (S)  106 O   14 SI(0.8) 114 O (0.2)    0.0
                        (S)   91 O   15 SI(0.9)                0.0
                        (S)  107 O   15 SI(0.8) 115 O (0.2)    0.0
                        (S)   92 O   16 SI(0.9)                0.0
                        (S)  108 O   16 SI(0.8) 116 O (0.2)    0.0
311    826.7463  (B1G)
                        (S)   69 O    1 SI(1.0)                0.0
                        (S)   77 O    1 SI(1.0)                0.0
                        (S)   70 O    2 SI(1.0)                0.0
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                    (S)   78 O    2 SI(1.0)                0.0
                    (S)   71 O    3 SI(1.0)                0.0
                    (S)   79 O    3 SI(1.0)                0.0
                    (S)   72 O    4 SI(1.0)                0.0
                    (S)   80 O    4 SI(1.0)                0.0
                    (S)   73 O    5 SI(1.0)                0.0
                    (S)   81 O    5 SI(1.0)                0.0
                    (S)   74 O    6 SI(1.0)                0.0
                    (S)   82 O    6 SI(1.0)                0.0
                    (S)   75 O    7 SI(1.0)                0.0
                    (S)   83 O    7 SI(1.0)                0.0
                    (S)   76 O    8 SI(1.0)                0.0
                    (S)   84 O    8 SI(1.0)                0.0
                    (S)    9 SI 101 O (0.8)  17 SI(0.2)    0.0
                    (S)   10 SI 102 O (0.8)  18 SI(0.2)    0.0
                    (S)   11 SI 103 O (0.8)  18 SI(0.2)    0.0
                    (S)   12 SI 104 O (0.8)  17 SI(0.2)    0.0
                    (S)   13 SI 105 O (0.8)  19 SI(0.2)    0.0
                    (S)   14 SI 106 O (0.8)  20 SI(0.2)    0.0
                    (S)   15 SI 107 O (0.8)  20 SI(0.2)    0.0
                    (S)   16 SI 108 O (0.8)  19 SI(0.2)    0.0
                    (S)   21 CA  53 O (0.5)   1 SI(0.5)    0.0
                    (B)   75 O   21 CA(0.0)  85 O (1.0)    0.0
                    (S)   22 CA  54 O (0.5)   2 SI(0.5)    0.0
                    (S)   22 CA  74 O (0.5)   6 SI(0.5)    0.0
                    (B)   76 O   22 CA(0.0)  86 O (1.0)    0.0
                    (S)   23 CA  55 O (0.5)   3 SI(0.5)    0.0
                    (B)   73 O   23 CA(0.0)  87 O (1.0)    0.0
                    (S)   24 CA  56 O (0.5)   4 SI(0.5)    0.0
                    (B)   74 O   24 CA(0.0)  88 O (1.0)    0.0
                    (S)   24 CA  76 O (0.5)   8 SI(0.5)    0.0
                    (S)   25 CA  57 O (0.5)   5 SI(0.5)    0.0
                    (B)   71 O   25 CA(0.0)  89 O (1.0)    0.0
                    (S)   26 CA  58 O (0.5)   6 SI(0.5)    0.0
                    (S)   26 CA  70 O (0.5)   2 SI(0.5)    0.0
                    (B)   72 O   26 CA(0.0)  90 O (1.0)    0.0
                    (S)   27 CA  59 O (0.5)   7 SI(0.5)    0.0
                    (B)   69 O   27 CA(0.0)  91 O (1.0)    0.0
                    (S)   28 CA  60 O (0.5)   8 SI(0.5)    0.0
                    (B)   70 O   28 CA(0.0)  92 O (1.0)    0.0
                    (S)   28 CA  72 O (0.5)   4 SI(0.5)    0.0
                    (B)   29 CA  69 O (0.0)   1 SI(1.0)    0.0
                    (B)   70 O   30 CA(0.0)   2 SI(1.0)    0.0
                    (B)   74 O   30 CA(0.0)   2 SI(1.0)    0.0
                    (B)   31 CA  75 O (0.0)   7 SI(1.0)    0.0
                    (B)   72 O   32 CA(0.0)   4 SI(1.0)    0.0
                    (B)   76 O   32 CA(0.0)   4 SI(1.0)    0.0
                    (B)   33 CA  53 O (0.0)   1 SI(1.0)    0.0
                    (B)   34 CA  54 O (0.0)   2 SI(1.0)    0.0
                    (B)   55 O   35 CA(0.0)   3 SI(1.0)    0.0
                    (B)   36 CA  56 O (0.0)   4 SI(1.0)    0.0
                    (B)   57 O   37 CA(0.0)   5 SI(1.0)    0.0
                    (B)   38 CA  58 O (0.0)   6 SI(1.0)    0.0
                    (B)   59 O   39 CA(0.0)   7 SI(1.0)    0.0
                    (B)   60 O   40 CA(0.0)   8 SI(1.0)    0.0
312    844.4255  (B3G)
                    (S)   69 O    1 SI(0.9)                0.0
                    (S)   70 O    2 SI(0.9)                0.0
                    (S)   71 O    3 SI(0.9)                0.0
                    (S)   72 O    4 SI(0.9)                0.0
                    (S)   73 O    5 SI(0.9)                0.0
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                        (S)   74 O    6 SI(0.9)                0.0
                        (S)   75 O    7 SI(0.9)                0.0
                        (S)   76 O    8 SI(0.9)                0.0
313    846.0695  (B3U)
                        (S)   53 O    1 SI(0.9)                0.0
                        (S)   61 O    1 SI(0.8)  53 O (0.2)    0.0
                        (S)   54 O    2 SI(0.9)                0.0
                        (S)   62 O    2 SI(0.8)  54 O (0.2)    0.0
                        (S)   55 O    3 SI(0.9)                0.0
                        (S)   63 O    3 SI(0.8)  55 O (0.2)    0.0
                        (S)   56 O    4 SI(0.9)                0.0
                        (S)   64 O    4 SI(0.8)  56 O (0.2)    0.0
                        (S)   57 O    5 SI(0.9)                0.0
                        (S)   65 O    5 SI(0.8)  57 O (0.2)    0.0
                        (S)   58 O    6 SI(0.9)                0.0
                        (S)   66 O    6 SI(0.8)  58 O (0.2)    0.0
                        (S)   59 O    7 SI(0.9)                0.0
                        (S)   67 O    7 SI(0.8)  59 O (0.2)    0.0
                        (S)   60 O    8 SI(0.9)                0.0
                        (S)   68 O    8 SI(0.8)  60 O (0.2)    0.0
314    846.8211  (B2G)
                        (S)   53 O    1 SI(0.9)                0.0
                        (S)   69 O    1 SI(0.7)  53 O (0.3)    0.0
                        (S)   54 O    2 SI(0.9)                0.0
                        (S)   70 O    2 SI(0.7)  54 O (0.3)    0.0
                        (S)   55 O    3 SI(0.9)                0.0
                        (S)   71 O    3 SI(0.7)  55 O (0.3)    0.0
                        (S)   56 O    4 SI(0.9)                0.0
                        (S)   72 O    4 SI(0.7)  56 O (0.3)    0.0
                        (S)   57 O    5 SI(0.9)                0.0
                        (S)   73 O    5 SI(0.7)  57 O (0.3)    0.0
                        (S)   58 O    6 SI(0.9)                0.0
                        (S)   74 O    6 SI(0.7)  58 O (0.3)    0.0
                        (S)   59 O    7 SI(0.9)                0.0
                        (S)   75 O    7 SI(0.7)  59 O (0.3)    0.0
                        (S)   60 O    8 SI(0.9)                0.0
                        (S)   76 O    8 SI(0.7)  60 O (0.3)    0.0
315    846.9583  (AG )
                        (S)   53 O    1 SI(0.9)                0.0
                        (S)   69 O    1 SI(0.7)  53 O (0.3)    0.0
                        (S)   54 O    2 SI(0.9)                0.0
                        (S)   70 O    2 SI(0.7)  54 O (0.3)    0.0
                        (S)   55 O    3 SI(0.9)                0.0
                        (S)   71 O    3 SI(0.7)  55 O (0.3)    0.0
                        (S)   56 O    4 SI(0.9)                0.0
                        (S)   72 O    4 SI(0.7)  56 O (0.3)    0.0
                        (S)   57 O    5 SI(0.9)                0.0
                        (S)   73 O    5 SI(0.7)  57 O (0.3)    0.0
                        (S)   58 O    6 SI(0.9)                0.0
                        (S)   74 O    6 SI(0.7)  58 O (0.3)    0.0
                        (S)   59 O    7 SI(0.9)                0.0
                        (S)   75 O    7 SI(0.7)  59 O (0.3)    0.0
                        (S)   60 O    8 SI(0.9)                0.0
                        (S)   76 O    8 SI(0.7)  60 O (0.3)    0.0
316    847.6283  (AU )
                        (S)   85 O    9 SI(0.9)                0.0
                        (S)   86 O   10 SI(0.9)                0.0
                        (S)   87 O   11 SI(0.9)                0.0
                        (S)   88 O   12 SI(0.9)                0.0
                        (S)   89 O   13 SI(0.9)                0.0
                        (S)   90 O   14 SI(0.9)                0.0
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                    (S)   91 O   15 SI(0.9)                -0.1
                    (S)   92 O   16 SI(0.9)                 0.0
317    849.8814  (B1G)
                    (S)   69 O    1 SI(0.9)                 0.0
                    (S)   70 O    2 SI(0.9)                 0.0
                    (S)   71 O    3 SI(0.9)                 0.0
                    (S)   72 O    4 SI(0.9)                 0.0
                    (S)   73 O    5 SI(0.9)                 0.0
                    (S)   74 O    6 SI(0.9)                 0.0
                    (S)   75 O    7 SI(0.9)                 0.0
                    (S)   76 O    8 SI(0.9)                 0.0
318    851.5698  (AG )
                    (S)   85 O    9 SI(0.8)  47 CA(0.2)     0.0
                    (S)  109 O    9 SI(0.8) 101 O (0.2)     0.0
                    (S)   86 O   10 SI(0.8)  48 CA(0.2)     0.0
                    (S)  110 O   10 SI(0.8) 102 O (0.2)     0.0
                    (S)   11 SI  87 O (0.8)  45 CA(0.2)     0.0
                    (S)  111 O   11 SI(0.8) 103 O (0.2)     0.0
                    (S)   88 O   12 SI(0.8)  46 CA(0.2)     0.0
                    (S)  112 O   12 SI(0.8) 104 O (0.2)     0.0
                    (S)   89 O   13 SI(0.8)  43 CA(0.2)     0.0
                    (S)  113 O   13 SI(0.8) 105 O (0.2)     0.0
                    (S)   90 O   14 SI(0.8)  44 CA(0.2)     0.0
                    (S)  114 O   14 SI(0.8) 106 O (0.2)     0.0
                    (S)   91 O   15 SI(0.8)  41 CA(0.2)     0.0
                    (S)  115 O   15 SI(0.8) 107 O (0.2)     0.0
                    (S)   16 SI  92 O (0.8)  42 CA(0.2)     0.0
                    (S)  116 O   16 SI(0.8) 108 O (0.2)     0.0
319    852.1423  (B1U)
                    (S)   53 O    1 SI(0.9)                 0.0
                    (S)   61 O    1 SI(0.8)  53 O (0.2)     0.0
                    (S)   54 O    2 SI(0.9)                 0.0
                    (S)   62 O    2 SI(0.8)  54 O (0.2)     0.0
                    (S)   55 O    3 SI(0.9)                 0.0
                    (S)   63 O    3 SI(0.8)  55 O (0.2)     0.0
                    (S)   56 O    4 SI(0.9)                 0.0
                    (S)   64 O    4 SI(0.8)  56 O (0.2)     0.0
                    (S)   57 O    5 SI(0.9)                 0.0
                    (S)   65 O    5 SI(0.8)  57 O (0.2)     0.0
                    (S)   58 O    6 SI(0.9)                 0.0
                    (S)   66 O    6 SI(0.8)  58 O (0.2)     0.0
                    (S)   59 O    7 SI(0.9)                 0.0
                    (S)   67 O    7 SI(0.8)  59 O (0.2)     0.0
                    (S)   60 O    8 SI(0.9)                 0.0
                    (S)   68 O    8 SI(0.8)  60 O (0.2)     0.0
320    852.8770  (B3G)
                    (S)   69 O    1 SI(0.9)                 0.0
                    (S)   70 O    2 SI(0.9)                 0.0
                    (S)   71 O    3 SI(0.9)                 0.0
                    (S)   72 O    4 SI(0.9)                 0.0
                    (S)   73 O    5 SI(0.9)                 0.0
                    (S)   74 O    6 SI(0.9)                 0.0
                    (S)   75 O    7 SI(0.9)                 0.0
                    (S)   76 O    8 SI(0.9)                 0.0
                    (S)   85 O    9 SI(0.8)  47 CA(0.1)     0.0
                    (S)   86 O   10 SI(0.8)  48 CA(0.1)     0.0
                    (S)   11 SI  87 O (0.8)  45 CA(0.1)     0.0
                    (S)   88 O   12 SI(0.8)  46 CA(0.1)     0.0
                    (S)   89 O   13 SI(0.8)  43 CA(0.1)     0.0
                    (S)   90 O   14 SI(0.8)  44 CA(0.1)     0.0
                    (S)   91 O   15 SI(0.8)  41 CA(0.1)     0.0
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                        (S)   16 SI  92 O (0.8)  42 CA(0.1)    0.0
321    855.2653  (B2G)
                        (S)   85 O    9 SI(0.7) 101 O (0.3)    0.0
                        (S)   93 O    9 SI(0.6) 101 O (0.4)    0.0
                        (S)  109 O    9 SI(0.7) 101 O (0.3)    0.0
                        (S)   86 O   10 SI(0.7) 102 O (0.3)    0.0
                        (S)   94 O   10 SI(0.6) 102 O (0.4)    0.0
                        (S)  110 O   10 SI(0.7) 102 O (0.3)    0.0
                        (S)   87 O   11 SI(0.7) 103 O (0.3)    0.0
                        (S)   95 O   11 SI(0.6) 103 O (0.4)    0.0
                        (S)  111 O   11 SI(0.7) 103 O (0.3)    0.0
                        (S)   88 O   12 SI(0.7) 104 O (0.3)    0.0
                        (S)   96 O   12 SI(0.6) 104 O (0.4)    0.0
                        (S)  112 O   12 SI(0.7) 104 O (0.3)    0.0
                        (S)   89 O   13 SI(0.7) 105 O (0.3)    0.0
                        (S)   97 O   13 SI(0.6) 105 O (0.4)    0.0
                        (S)  113 O   13 SI(0.7) 105 O (0.3)    0.0
                        (S)   90 O   14 SI(0.7) 106 O (0.3)    0.0
                        (S)   98 O   14 SI(0.6) 106 O (0.4)    0.0
                        (S)  114 O   14 SI(0.7) 106 O (0.3)    0.0
                        (S)   91 O   15 SI(0.7) 107 O (0.3)    0.0
                        (S)   99 O   15 SI(0.6) 107 O (0.4)    0.0
                        (S)  115 O   15 SI(0.7) 107 O (0.3)    0.0
                        (S)   92 O   16 SI(0.7) 108 O (0.3)    0.0
                        (S)  100 O   16 SI(0.6) 108 O (0.4)    0.0
                        (S)  116 O   16 SI(0.7) 108 O (0.3)    0.0
322    856.2961  (B3U)
                        (S)   53 O    1 SI(1.0)                0.0
                        (S)   54 O    2 SI(1.0)                0.0
                        (S)   55 O    3 SI(1.0)                0.0
                        (S)   56 O    4 SI(1.0)                0.0
                        (S)   57 O    5 SI(1.0)                0.0
                        (S)   58 O    6 SI(1.0)                0.0
                        (S)   59 O    7 SI(1.0)                0.0
                        (S)   60 O    8 SI(1.0)                0.0
323    868.1046  (AU )
                        (S)   61 O    1 SI(0.9)                0.0
                        (S)   62 O    2 SI(0.9)                0.0
                        (S)   63 O    3 SI(0.9)                0.0
                        (S)   64 O    4 SI(0.9)                0.0
                        (S)   65 O    5 SI(0.9)                0.0
                        (S)   66 O    6 SI(0.9)                0.0
                        (S)   67 O    7 SI(0.9)                0.0
                        (S)   68 O    8 SI(0.9)                0.0
324    868.1199  (B2U)
                        (S)   61 O    1 SI(0.9)                0.0
                        (S)   62 O    2 SI(0.9)                0.0
                        (S)   63 O    3 SI(0.9)                0.0
                        (S)   64 O    4 SI(0.9)                0.0
                        (S)   65 O    5 SI(0.9)                0.0
                        (S)   66 O    6 SI(0.9)                0.0
                        (S)   67 O    7 SI(0.9)                0.0
                        (S)   68 O    8 SI(0.9)                0.0
325    884.9723  (B3G)
                        (S)   61 O    1 SI(0.9)                0.0
                        (S)   62 O    2 SI(0.9)                0.0
                        (S)   63 O    3 SI(0.9)                0.0
                        (S)   64 O    4 SI(0.9)                0.0
                        (S)   65 O    5 SI(0.9)                0.0
                        (S)   66 O    6 SI(0.9)                0.0
                        (S)   67 O    7 SI(0.9)                0.0
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                        (S)   68 O    8 SI(0.9)                0.0
326    886.5223  (B1U)
                        (S)   61 O    1 SI(0.9)                0.0
                        (S)    1 SI  69 O (0.8)  27 CA(0.1)    0.0
                        (S)   62 O    2 SI(0.9)                0.0
                        (S)    2 SI  70 O (0.8)  26 CA(0.1)    0.0
                        (S)   63 O    3 SI(0.9)                0.0
                        (S)   71 O    3 SI(0.8)  25 CA(0.1)    0.0
                        (S)   64 O    4 SI(0.9)                0.0
                        (S)    4 SI  72 O (0.8)  28 CA(0.1)    0.0
                        (S)   65 O    5 SI(0.9)                0.0
                        (S)   73 O    5 SI(0.8)  23 CA(0.1)    0.0
                        (S)   66 O    6 SI(0.9)                0.0
                        (S)    6 SI  74 O (0.8)  22 CA(0.1)    0.0
                        (S)   67 O    7 SI(0.9)                0.0
                        (S)   75 O    7 SI(0.8)  21 CA(0.1)    0.0
                        (S)   68 O    8 SI(0.9)                0.0
                        (S)    8 SI  76 O (0.8)  24 CA(0.1)    0.0
                        (S)  101 O   17 SI(0.9)                0.0
                        (S)  104 O   17 SI(0.9)                0.0
                        (S)  102 O   18 SI(0.9)                0.0
                        (S)  103 O   18 SI(0.9)                0.0
                        (S)  105 O   19 SI(0.9)                0.0
                        (S)  108 O   19 SI(0.9)                0.0
                        (S)  106 O   20 SI(0.9)                0.0
                        (S)  107 O   20 SI(0.9)                0.0
327    886.5511  (B1G)
                        (S)   61 O    1 SI(0.9)                0.0
                        (S)   62 O    2 SI(0.9)                0.0
                        (S)   63 O    3 SI(0.9)                0.0
                        (S)   64 O    4 SI(0.9)                0.0
                        (S)   65 O    5 SI(0.9)                0.0
                        (S)   66 O    6 SI(0.9)                0.0
                        (S)   67 O    7 SI(0.9)                0.0
                        (S)   68 O    8 SI(0.9)                0.0
328    894.0461  (B2U)
                        (S)  101 O   17 SI(0.9)                0.0
                        (S)  104 O   17 SI(0.9)                0.0
                        (S)  102 O   18 SI(0.9)                0.0
                        (S)  103 O   18 SI(0.9)                0.0
                        (S)  105 O   19 SI(0.9)                0.0
                        (S)  108 O   19 SI(0.9)                0.0
                        (S)  106 O   20 SI(0.9)                0.0
                        (S)  107 O   20 SI(0.9)                0.0
329    894.1871  (AG )
                        (S)    9 SI 101 O (0.7)  17 SI(0.3)    0.0
                        (S)   10 SI 102 O (0.7)  18 SI(0.3)    0.0
                        (S)   11 SI 103 O (0.7)  18 SI(0.3)    0.0
                        (S)   12 SI 104 O (0.7)  17 SI(0.3)    0.0
                        (S)   13 SI 105 O (0.7)  19 SI(0.3)    0.0
                        (S)   14 SI 106 O (0.7)  20 SI(0.3)    0.0
                        (S)   15 SI 107 O (0.7)  20 SI(0.3)    0.0
                        (S)   16 SI 108 O (0.7)  19 SI(0.3)    0.0
                        (S)  101 O   17 SI(0.8) 120 O (0.2)    0.0
                        (S)  104 O   17 SI(0.8) 117 O (0.2)    0.0
                        (S)  102 O   18 SI(0.8) 119 O (0.2)    0.0
                        (S)  103 O   18 SI(0.8) 118 O (0.2)    0.0
                        (S)  105 O   19 SI(0.8) 124 O (0.2)    0.0
                        (S)  108 O   19 SI(0.8) 121 O (0.2)    0.0
                        (S)  106 O   20 SI(0.8) 123 O (0.2)    0.0
                        (S)  107 O   20 SI(0.8) 122 O (0.2)    0.0
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330    894.1987  (B3U)
                      (S)    9 SI 101 O (0.7)  17 SI(0.3)    0.0
                      (S)   10 SI 102 O (0.7)  18 SI(0.3)    0.0
                      (S)   11 SI 103 O (0.7)  18 SI(0.3)    0.0
                      (S)   12 SI 104 O (0.7)  17 SI(0.3)    0.0
                      (S)   13 SI 105 O (0.7)  19 SI(0.3)    0.0
                      (S)   14 SI 106 O (0.7)  20 SI(0.3)    0.0
                      (S)   15 SI 107 O (0.7)  20 SI(0.3)    0.0
                      (S)   16 SI 108 O (0.7)  19 SI(0.3)    0.0
                      (S)  101 O   17 SI(0.8) 120 O (0.2)    0.0
                      (S)  104 O   17 SI(0.8) 117 O (0.2)    0.0
                      (S)  102 O   18 SI(0.8) 119 O (0.2)    0.0
                      (S)  103 O   18 SI(0.8) 118 O (0.2)    0.0
                      (S)  105 O   19 SI(0.8) 124 O (0.2)    0.0
                      (S)  108 O   19 SI(0.8) 121 O (0.2)    0.0
                      (S)  106 O   20 SI(0.8) 123 O (0.2)    0.0
                      (S)  107 O   20 SI(0.8) 122 O (0.2)    0.0
331    894.2200  (B1G)
                      (S)  101 O   17 SI(0.9)                0.0
                      (S)  104 O   17 SI(0.9)                0.0
                      (S)  102 O   18 SI(0.9)                0.0
                      (S)  103 O   18 SI(0.9)                0.0
                      (S)  105 O   19 SI(0.9)                0.0
                      (S)  108 O   19 SI(0.9)                0.0
                      (S)  106 O   20 SI(0.9)                0.0
                      (S)  107 O   20 SI(0.9)                0.0
332    895.9958  (AU )
                      (S)  101 O    9 SI(0.6) 109 O (0.4)    0.0
                      (S)  102 O   10 SI(0.6) 110 O (0.4)    0.0
                      (S)  103 O   11 SI(0.6) 111 O (0.4)    0.0
                      (S)  104 O   12 SI(0.6) 112 O (0.4)    0.0
                      (S)  105 O   13 SI(0.6) 113 O (0.4)    0.0
                      (S)  106 O   14 SI(0.6) 114 O (0.4)    0.0
                      (S)  107 O   15 SI(0.6) 115 O (0.4)    0.0
                      (S)  108 O   16 SI(0.6) 116 O (0.4)    0.0
                      (S)  101 O   17 SI(0.9)                0.0
                      (S)  104 O   17 SI(0.9)                0.0
                      (S)  102 O   18 SI(0.9)                0.0
                      (S)  103 O   18 SI(0.9)                0.0
                      (S)  105 O   19 SI(0.9)                0.0
                      (S)  108 O   19 SI(0.9)                0.0
                      (S)  106 O   20 SI(0.9)                0.0
                      (S)  107 O   20 SI(0.9)                0.0
333    900.1608  (B2G)
                      (S)  101 O   17 SI(0.9)                0.0
                      (S)  104 O   17 SI(0.9)                0.0
                      (S)  102 O   18 SI(0.9)                0.0
                      (S)  103 O   18 SI(0.9)                0.0
                      (S)  105 O   19 SI(0.9)                0.0
                      (S)  108 O   19 SI(0.9)                0.0
                      (S)  106 O   20 SI(0.9)                0.0
                      (S)  107 O   20 SI(0.9)                0.0
334    905.5615  (AG )
                      (S)    1 SI  61 O (0.8)  27 CA(0.2)    0.0
                      (S)   62 O    2 SI(0.8)  28 CA(0.2)    0.0
                      (S)    3 SI  63 O (0.8)  25 CA(0.2)    0.0
                      (S)   64 O    4 SI(0.8)  26 CA(0.2)    0.0
                      (S)    5 SI  65 O (0.8)  23 CA(0.2)    0.0
                      (S)    6 SI  66 O (0.8)  24 CA(0.2)    0.0
                      (S)   67 O    7 SI(0.8)  21 CA(0.2)    0.0
                      (S)   68 O    8 SI(0.8)  22 CA(0.2)    0.0
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335    907.1677  (B3G)
                      (S)  101 O    9 SI(0.7)  33 CA(0.3)    0.0
                      (S)  102 O   10 SI(0.7)  34 CA(0.3)    0.0
                      (S)  103 O   11 SI(0.7)  35 CA(0.3)    0.0
                      (S)  104 O   12 SI(0.7)  36 CA(0.3)    0.0
                      (S)  105 O   13 SI(0.7)  37 CA(0.3)    0.0
                      (S)  106 O   14 SI(0.7)  38 CA(0.3)    0.0
                      (S)  107 O   15 SI(0.7)  39 CA(0.3)    0.0
                      (S)  108 O   16 SI(0.7)  40 CA(0.3)    0.0
336    907.9120  (B2G)
                      (S)    1 SI  61 O (0.8)  27 CA(0.2)    0.0
                      (S)   62 O    2 SI(0.8)  28 CA(0.2)    0.0
                      (S)    3 SI  63 O (0.8)  25 CA(0.2)    0.0
                      (S)   64 O    4 SI(0.8)  26 CA(0.2)    0.0
                      (S)    5 SI  65 O (0.8)  23 CA(0.2)    0.0
                      (S)   66 O    6 SI(0.8)  24 CA(0.2)    0.0
                      (S)   67 O    7 SI(0.8)  21 CA(0.2)    0.0
                      (S)   68 O    8 SI(0.8)  22 CA(0.2)    0.0
337    908.4728  (B1U)
                      (S)  101 O   17 SI(0.9)               0.0
                      (S)  104 O   17 SI(0.9)               0.0
                      (S)  102 O   18 SI(0.9)               0.0
                      (S)  103 O   18 SI(0.9)               0.0
                      (S)  105 O   19 SI(0.9)               0.0
                      (S)  108 O   19 SI(0.9)               0.0
                      (S)  106 O   20 SI(0.9)               0.0
                      (S)  107 O   20 SI(0.9)               0.0
338    909.4571  (B2U)
                      (S)   53 O    1 SI(0.8)  69 O (0.2)    0.0
                      (S)   69 O    1 SI(0.8)  29 CA(0.1)    0.0
                      (S)   54 O    2 SI(0.8)  70 O (0.2)    0.0
                      (S)   70 O    2 SI(0.8)  30 CA(0.1)    0.0
                      (S)   55 O    3 SI(0.8)  71 O (0.2)    0.0
                      (S)   71 O    3 SI(0.8)  55 O (0.1)    0.0
                      (S)   56 O    4 SI(0.8)  72 O (0.2)    0.0
                      (S)   72 O    4 SI(0.8)  32 CA(0.1)    0.0
                      (S)   57 O    5 SI(0.8)  73 O (0.2)    0.0
                      (S)   73 O    5 SI(0.8)  57 O (0.1)    0.0
                      (S)   58 O    6 SI(0.8)  74 O (0.2)    0.0
                      (S)   74 O    6 SI(0.8)  30 CA(0.1)    0.0
                      (S)   59 O    7 SI(0.8)  75 O (0.2)    0.0
                      (S)   75 O    7 SI(0.8)  31 CA(0.1)    0.0
                      (S)   60 O    8 SI(0.8)  76 O (0.2)    0.0
                      (S)   76 O    8 SI(0.8)  32 CA(0.1)    0.0
339    919.5403  (AU )
                      (S)   53 O    1 SI(0.9)               0.0
                      (S)   69 O    1 SI(0.7)  29 CA(0.3)    0.0
                      (S)   54 O    2 SI(0.9)               0.0
                      (S)   70 O    2 SI(0.7)  30 CA(0.3)    0.0
                      (S)   55 O    3 SI(0.9)               0.0
                      (S)   71 O    3 SI(0.7)  55 O (0.3)    0.0
                      (S)   56 O    4 SI(0.9)               0.0
                      (S)   72 O    4 SI(0.7)  32 CA(0.3)    0.0
                      (S)   57 O    5 SI(0.9)               0.0
                      (S)   73 O    5 SI(0.7)  57 O (0.3)    0.0
                      (S)   58 O    6 SI(0.9)               0.0
                      (S)   74 O    6 SI(0.7)  30 CA(0.3)    0.0
                      (S)   59 O    7 SI(0.9)               0.0
                      (S)   75 O    7 SI(0.7)  31 CA(0.3)    0.0
                      (S)   60 O    8 SI(0.9)               0.0
                      (S)   76 O    8 SI(0.7)  32 CA(0.3)    0.0
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340    925.0260  (B3U)
                       (S)   61 O    1 SI(0.9)                0.0
                       (S)   77 O    1 SI(0.9)                0.0
                       (S)   62 O    2 SI(0.9)                0.0
                       (S)   78 O    2 SI(0.9)                0.0
                       (S)   63 O    3 SI(0.9)                0.0
                       (S)   79 O    3 SI(0.9)                0.0
                       (S)   64 O    4 SI(0.9)                0.0
                       (S)   80 O    4 SI(0.9)                0.0
                       (S)   65 O    5 SI(0.9)                0.0
                       (S)   81 O    5 SI(0.9)                0.0
                       (S)   66 O    6 SI(0.9)                0.0
                       (S)   82 O    6 SI(0.9)                0.0
                       (S)   67 O    7 SI(0.9)                0.0
                       (S)   83 O    7 SI(0.9)                0.0
                       (S)   68 O    8 SI(0.9)                0.0
                       (S)   84 O    8 SI(0.9)                0.0
341    928.7042  (B2G)
                       (S)   77 O    1 SI(1.0)                0.0
                       (S)   78 O    2 SI(1.0)                0.0
                       (S)   79 O    3 SI(1.0)                0.0
                       (S)   80 O    4 SI(1.0)                0.0
                       (S)   81 O    5 SI(1.0)                0.0
                       (S)   82 O    6 SI(1.0)                0.0
                       (S)   83 O    7 SI(1.0)                0.0
                       (S)   84 O    8 SI(1.0)                0.0
342    928.7736  (B1U)
                       (S)   77 O    1 SI(1.0)                0.0
                       (S)   78 O    2 SI(1.0)                0.0
                       (S)   79 O    3 SI(1.0)                0.0
                       (S)   80 O    4 SI(1.0)                0.0
                       (S)   81 O    5 SI(1.0)                0.0
                       (S)   82 O    6 SI(1.0)                0.0
                       (S)   83 O    7 SI(1.0)                0.0
                       (S)   84 O    8 SI(1.0)                0.0
343    928.9438  (B2U)
                       (S)   77 O    1 SI(1.0)                0.0
                       (S)   78 O    2 SI(1.0)                0.0
                       (S)   79 O    3 SI(1.0)                0.0
                       (S)   80 O    4 SI(1.0)                0.0
                       (S)   81 O    5 SI(1.0)                0.0
                       (S)   82 O    6 SI(1.0)                0.0
                       (S)   83 O    7 SI(1.0)                0.0
                       (S)   84 O    8 SI(1.0)                0.0
344    928.9961  (AG )
                       (S)   77 O    1 SI(1.0)                0.0
                       (S)   78 O    2 SI(1.0)                0.0
                       (S)   79 O    3 SI(1.0)                0.0
                       (S)   80 O    4 SI(1.0)                0.0
                       (S)   81 O    5 SI(1.0)                0.0
                       (S)   82 O    6 SI(1.0)                0.0
                       (S)   83 O    7 SI(1.0)                0.0
                       (S)   84 O    8 SI(1.0)                0.0
345    929.3367  (AU )
                       (S)   77 O    1 SI(1.0)                0.0
                       (S)   78 O    2 SI(1.0)                0.0
                       (S)   79 O    3 SI(1.0)                0.0
                       (S)   80 O    4 SI(1.0)                0.0
                       (S)   81 O    5 SI(1.0)                0.0
                       (S)   82 O    6 SI(1.0)                0.0
                       (S)   83 O    7 SI(1.0)                0.0
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                        (S)   84 O    8 SI(1.0)                0.0
346    933.2904  (B1G)
                        (S)   77 O    1 SI(1.0)                0.0
                        (S)   78 O    2 SI(1.0)                0.0
                        (S)   79 O    3 SI(1.0)                0.0
                        (S)   80 O    4 SI(1.0)                0.0
                        (S)   81 O    5 SI(1.0)                0.0
                        (S)   82 O    6 SI(1.0)                0.0
                        (S)   83 O    7 SI(1.0)                0.0
                        (S)   84 O    8 SI(1.0)                0.0
347    933.3689  (B3G)
                        (S)   77 O    1 SI(1.0)                0.0
                        (S)   78 O    2 SI(1.0)                0.0
                        (S)   79 O    3 SI(1.0)                0.0
                        (S)   80 O    4 SI(1.0)                0.0
                        (S)   81 O    5 SI(1.0)                0.0
                        (S)   82 O    6 SI(1.0)                0.0
                        (S)   83 O    7 SI(1.0)                0.0
                        (S)   84 O    8 SI(1.0)                0.0
348    939.2993  (B3U)
                        (S)   69 O    1 SI(1.0)                0.0
                        (S)   77 O    1 SI(0.9)                0.0
                        (S)   70 O    2 SI(1.0)                0.0
                        (S)   78 O    2 SI(0.9)                0.0
                        (S)   71 O    3 SI(1.0)                0.0
                        (S)   79 O    3 SI(0.9)                0.0
                        (S)   72 O    4 SI(1.0)                0.0
                        (S)   80 O    4 SI(0.9)                0.0
                        (S)   73 O    5 SI(1.0)                0.0
                        (S)   81 O    5 SI(0.9)                0.0
                        (S)   74 O    6 SI(1.0)                0.0
                        (S)   82 O    6 SI(0.9)                0.0
                        (S)   75 O    7 SI(1.0)                0.0
                        (S)   83 O    7 SI(0.9)                0.0
                        (S)   76 O    8 SI(1.0)                0.0
                        (S)   84 O    8 SI(0.9)                0.0
349    940.2068  (B1U)
                        (S)   77 O    1 SI(0.9)                0.0
                        (S)   78 O    2 SI(0.9)                0.0
                        (S)   79 O    3 SI(0.9)                0.0
                        (S)   80 O    4 SI(0.9)                0.0
                        (S)   81 O    5 SI(0.9)                0.0
                        (S)   82 O    6 SI(0.9)                0.0
                        (S)   83 O    7 SI(0.9)                0.0
                        (S)   84 O    8 SI(0.9)                0.0
                        (S)   85 O    9 SI(0.9)                0.0
                        (S)   93 O    9 SI(0.9)                0.0
                        (S)   86 O   10 SI(0.9)                0.0
                        (S)   94 O   10 SI(0.9)                0.0
                        (S)   87 O   11 SI(0.9)                0.0
                        (S)   95 O   11 SI(0.9)                0.0
                        (S)   88 O   12 SI(0.9)                0.0
                        (S)   96 O   12 SI(0.9)                0.0
                        (S)   89 O   13 SI(0.9)                0.0
                        (S)   97 O   13 SI(0.9)                0.0
                        (S)   90 O   14 SI(0.9)                0.0
                        (S)   98 O   14 SI(0.9)                0.0
                        (S)   91 O   15 SI(0.9)                0.0
                        (S)   99 O   15 SI(0.9)                0.0
                        (S)   92 O   16 SI(0.9)                0.0
                        (S)  100 O   16 SI(0.9)                0.0
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350    951.4513  (AG )
                      (S)   85 O    9 SI(0.8) 109 O (0.1)    0.0
                      (S)   93 O    9 SI(0.9)                0.0
                      (S)   86 O   10 SI(0.8) 110 O (0.1)    0.0
                      (S)   94 O   10 SI(0.9)                0.0
                      (S)   87 O   11 SI(0.8) 111 O (0.1)    0.0
                      (S)   95 O   11 SI(0.9)                0.0
                      (S)   88 O   12 SI(0.8) 112 O (0.1)    0.0
                      (S)   96 O   12 SI(0.9)                0.0
                      (S)   89 O   13 SI(0.8) 113 O (0.1)    0.0
                      (S)   97 O   13 SI(0.9)                0.0
                      (S)   90 O   14 SI(0.8) 114 O (0.1)    0.0
                      (S)   98 O   14 SI(0.9)                0.0
                      (S)   91 O   15 SI(0.8) 115 O (0.1)   -0.1
                      (S)   99 O   15 SI(0.9)                0.0
                      (S)   92 O   16 SI(0.8) 116 O (0.1)    0.0
                      (S)  100 O   16 SI(0.9)                0.0
351    951.4936  (B1G)
                      (S)   85 O    9 SI(1.0)                0.0
                      (S)   86 O   10 SI(1.0)                0.0
                      (S)   87 O   11 SI(1.0)                0.0
                      (S)   88 O   12 SI(1.0)                0.0
                      (S)   89 O   13 SI(1.0)                0.0
                      (S)   90 O   14 SI(1.0)                0.0
                      (S)   91 O   15 SI(1.0)               -0.1
                      (S)   92 O   16 SI(1.0)                0.0
352    951.8774  (B2G)
                      (S)   93 O    9 SI(0.9)                0.0
                      (S)   94 O   10 SI(0.9)                0.0
                      (S)   95 O   11 SI(0.9)                0.0
                      (S)   96 O   12 SI(0.9)                0.0
                      (S)   97 O   13 SI(0.9)                0.0
                      (S)   98 O   14 SI(0.9)                0.0
                      (S)   99 O   15 SI(0.9)                0.0
                      (S)  100 O   16 SI(0.9)                0.0
353    955.2409  (B3U)
                      (S)   93 O    9 SI(0.9)                0.0
                      (S)   94 O   10 SI(0.9)                0.0
                      (S)   95 O   11 SI(0.9)                0.0
                      (S)   96 O   12 SI(0.9)                0.0
                      (S)   97 O   13 SI(0.9)                0.0
                      (S)   98 O   14 SI(0.9)                0.0
                      (S)   99 O   15 SI(0.9)                0.0
                      (S)  100 O   16 SI(0.9)                0.0
354    955.6098  (B3G)
                      (S)   85 O    9 SI(0.9)                0.0
                      (S)  109 O    9 SI(0.9)                0.0
                      (S)   86 O   10 SI(0.9)                0.0
                      (S)  110 O   10 SI(0.9)                0.0
                      (S)   87 O   11 SI(0.9)                0.0
                      (S)  111 O   11 SI(0.9)                0.0
                      (S)   88 O   12 SI(0.9)                0.0
                      (S)  112 O   12 SI(0.9)                0.0
                      (S)   89 O   13 SI(0.9)                0.0
                      (S)  113 O   13 SI(0.9)                0.0
                      (S)   90 O   14 SI(0.9)                0.0
                      (S)  114 O   14 SI(0.9)                0.0
                      (S)   91 O   15 SI(0.9)               -0.1
                      (S)  115 O   15 SI(0.9)                0.0
                      (S)   92 O   16 SI(0.9)                0.0
                      (S)  116 O   16 SI(0.9)                0.0
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355    956.8056  (B2U)
                      (S)   85 O    9 SI(1.0)                0.0
                      (S)   86 O   10 SI(1.0)                0.0
                      (S)   87 O   11 SI(1.0)                0.0
                      (S)   88 O   12 SI(1.0)                0.0
                      (S)   89 O   13 SI(1.0)                0.0
                      (S)   90 O   14 SI(1.0)                0.0
                      (S)   91 O   15 SI(1.0)               -0.1
                      (S)   92 O   16 SI(1.0)                0.0
356    959.6429  (AU )
                      (S)   85 O    9 SI(0.9)                0.0
                      (S)  109 O    9 SI(0.9)                0.0
                      (S)   86 O   10 SI(0.9)                0.0
                      (S)  110 O   10 SI(0.9)                0.0
                      (S)   87 O   11 SI(0.9)                0.0
                      (S)  111 O   11 SI(0.9)                0.0
                      (S)   88 O   12 SI(0.9)                0.0
                      (S)  112 O   12 SI(0.9)                0.0
                      (S)   89 O   13 SI(0.9)                0.0
                      (S)  113 O   13 SI(0.9)                0.0
                      (S)   90 O   14 SI(0.9)                0.0
                      (S)  114 O   14 SI(0.9)                0.0
                      (S)   91 O   15 SI(0.9)               -0.1
                      (S)  115 O   15 SI(0.9)                0.0
                      (S)   92 O   16 SI(0.9)                0.0
                      (S)  116 O   16 SI(0.9)                0.0
357    974.5370  (AG )
                      (S)  109 O    9 SI(1.0)                0.0
                      (S)  110 O   10 SI(1.0)                0.0
                      (S)  111 O   11 SI(1.0)                0.0
                      (S)  112 O   12 SI(1.0)                0.0
                      (S)  113 O   13 SI(1.0)                0.0
                      (S)  114 O   14 SI(1.0)                0.0
                      (S)  115 O   15 SI(1.0)                0.0
                      (S)  116 O   16 SI(1.0)                0.0
                      (S)  117 O   17 SI(0.9)                0.0
                      (S)  120 O   17 SI(0.9)                0.0
                      (S)  118 O   18 SI(0.9)                0.0
                      (S)  119 O   18 SI(0.9)                0.0
                      (S)  121 O   19 SI(0.9)                0.0
                      (S)  124 O   19 SI(0.9)                0.0
                      (S)  122 O   20 SI(0.9)                0.0
                      (S)  123 O   20 SI(0.9)                0.0
358    975.9307  (B3U)
                      (S)  109 O    9 SI(1.0)                0.0
                      (S)  110 O   10 SI(1.0)                0.0
                      (S)  111 O   11 SI(1.0)                0.0
                      (S)  112 O   12 SI(1.0)                0.0
                      (S)  113 O   13 SI(1.0)                0.0
                      (S)  114 O   14 SI(1.0)                0.0
                      (S)  115 O   15 SI(1.0)                0.0
                      (S)  116 O   16 SI(1.0)                0.0
                      (S)  117 O   17 SI(0.9)                0.0
                      (S)  120 O   17 SI(0.9)                0.0
                      (S)  118 O   18 SI(0.9)                0.0
                      (S)  119 O   18 SI(0.9)                0.0
                      (S)  121 O   19 SI(0.9)                0.0
                      (S)  124 O   19 SI(0.9)                0.0
                      (S)  122 O   20 SI(0.9)                0.0
                      (S)  123 O   20 SI(0.9)                0.0
359    979.8747  (B1U)
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                        (S)  109 O    9 SI(1.0)                0.0
                        (S)  110 O   10 SI(1.0)                0.0
                        (S)  111 O   11 SI(1.0)                0.0
                        (S)  112 O   12 SI(1.0)                0.0
                        (S)  113 O   13 SI(1.0)                0.0
                        (S)  114 O   14 SI(1.0)                0.0
                        (S)  115 O   15 SI(1.0)                0.0
                        (S)  116 O   16 SI(1.0)                0.0
360    982.6290  (B2U)
                        (S)  109 O    9 SI(1.0)                0.0
                        (S)  110 O   10 SI(1.0)                0.0
                        (S)  111 O   11 SI(1.0)                0.0
                        (S)  112 O   12 SI(1.0)                0.0
                        (S)  113 O   13 SI(1.0)                0.0
                        (S)  114 O   14 SI(1.0)                0.0
                        (S)  115 O   15 SI(1.0)                0.0
                        (S)  116 O   16 SI(1.0)                0.0
361    982.6669  (B1G)
                        (S)  109 O    9 SI(1.0)                0.0
                        (S)  110 O   10 SI(1.0)                0.0
                        (S)  111 O   11 SI(1.0)                0.0
                        (S)  112 O   12 SI(1.0)                0.0
                        (S)  113 O   13 SI(1.0)                0.0
                        (S)  114 O   14 SI(1.0)                0.0
                        (S)  115 O   15 SI(1.0)                0.0
                        (S)  116 O   16 SI(1.0)                0.0
362    982.7058  (B2G)
                        (S)  109 O    9 SI(1.0)                0.0
                        (S)  110 O   10 SI(1.0)                0.0
                        (S)  111 O   11 SI(1.0)                0.0
                        (S)  112 O   12 SI(1.0)                0.0
                        (S)  113 O   13 SI(1.0)                0.0
                        (S)  114 O   14 SI(1.0)                0.0
                        (S)  115 O   15 SI(1.0)                0.0
                        (S)  116 O   16 SI(1.0)                0.0
363    993.3024  (AG )
                        (S)  117 O   17 SI(0.8)  52 CA(0.2)    0.0
                        (S)  120 O   17 SI(0.8)  52 CA(0.2)    0.0
                        (S)  118 O   18 SI(0.8)  51 CA(0.2)    0.0
                        (S)   18 SI 119 O (0.8)  51 CA(0.2)    0.0
                        (S)  121 O   19 SI(0.8) 124 O (0.2)    0.0
                        (S)  124 O   19 SI(0.8) 121 O (0.2)    0.0
                        (S)  122 O   20 SI(0.8)  49 CA(0.2)    0.0
                        (S)   20 SI 123 O (0.8)  49 CA(0.2)    0.0
364    994.2797  (B3U)
                        (S)  117 O   17 SI(0.8)  52 CA(0.2)    0.0
                        (S)  120 O   17 SI(0.8)  52 CA(0.2)    0.0
                        (S)   18 SI 118 O (0.8)  51 CA(0.2)    0.0
                        (S)   18 SI 119 O (0.8)  51 CA(0.2)    0.0
                        (S)  121 O   19 SI(0.8)  50 CA(0.2)    0.0
                        (S)  124 O   19 SI(0.8) 121 O (0.2)    0.0
                        (S)  122 O   20 SI(0.8)  49 CA(0.2)    0.0
                        (S)  123 O   20 SI(0.8)  49 CA(0.2)    0.0
365   1001.1864  (B3G)
                        (S)   93 O    9 SI(1.0)                0.0
                        (S)   94 O   10 SI(1.0)                0.0
                        (S)   95 O   11 SI(1.0)                0.0
                        (S)   96 O   12 SI(1.0)                0.0
                        (S)   97 O   13 SI(1.0)                0.0
                        (S)   98 O   14 SI(1.0)                0.0
                        (S)   99 O   15 SI(1.0)                0.0
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                    (S)  100 O   16 SI(1.0)                0.0
366   1001.4484  (AU )
                    (S)   93 O    9 SI(1.0)                0.0
                    (S)   94 O   10 SI(1.0)                0.0
                    (S)   95 O   11 SI(1.0)                0.0
                    (S)   96 O   12 SI(1.0)                0.0
                    (S)   97 O   13 SI(1.0)                0.0
                    (S)   98 O   14 SI(1.0)                0.0
                    (S)   99 O   15 SI(1.0)                0.0
                    (S)  100 O   16 SI(1.0)                0.0
367   1014.1777  (B3G)
                    (S)  117 O   17 SI(0.8)  52 CA(0.2)   -0.1
                    (S)  120 O   17 SI(0.8)  52 CA(0.2)    0.0
                    (S)  118 O   18 SI(0.8)  51 CA(0.2)    0.0
                    (S)   18 SI 119 O (0.8)  51 CA(0.2)    0.0
                    (S)  121 O   19 SI(0.8)  50 CA(0.2)    0.0
                    (S)  124 O   19 SI(0.8) 121 O (0.2)    0.0
                    (S)  122 O   20 SI(0.8)  49 CA(0.2)    0.0
                    (S)  123 O   20 SI(0.8)  49 CA(0.2)    0.0
368   1014.4907  (AU )
                    (S)  117 O   17 SI(0.8)  52 CA(0.2)   -0.1
                    (S)  120 O   17 SI(0.8)  52 CA(0.2)    0.0
                    (S)  118 O   18 SI(0.8)  51 CA(0.2)    0.0
                    (S)   18 SI 119 O (0.8)  51 CA(0.2)    0.0
                    (S)  121 O   19 SI(0.8)  50 CA(0.2)    0.0
                    (S)  124 O   19 SI(0.8) 121 O (0.2)    0.0
                    (S)  122 O   20 SI(0.8)  49 CA(0.2)    0.0
                    (S)  123 O   20 SI(0.8)  49 CA(0.2)    0.0
369   1037.6798  (B1G)
                    (S)  117 O   17 SI(0.9)               -0.1
                    (S)  120 O   17 SI(0.9)                0.0
                    (S)  118 O   18 SI(0.9)                0.0
                    (S)  119 O   18 SI(0.9)                0.0
                    (S)  121 O   19 SI(0.9)                0.0
                    (S)  124 O   19 SI(0.9)                0.0
                    (S)  122 O   20 SI(0.9)                0.0
                    (S)  123 O   20 SI(0.9)                0.0
370   1038.0061  (B2U)
                    (S)  117 O   17 SI(0.9)               -0.1
                    (S)  120 O   17 SI(0.9)                0.0
                    (S)  118 O   18 SI(0.9)                0.0
                    (S)  119 O   18 SI(0.9)                0.0
                    (S)  121 O   19 SI(0.9)                0.0
                    (S)  124 O   19 SI(0.9)                0.0
                    (S)  122 O   20 SI(0.9)                0.0
                    (S)  123 O   20 SI(0.9)                0.0
371   1047.0913  (B1U)
                    (S)  117 O   17 SI(0.9)               -0.2
                    (S)  120 O   17 SI(0.9)                0.0
                    (S)  118 O   18 SI(0.9)                0.1
                    (S)  119 O   18 SI(0.9)                0.0
                    (S)  121 O   19 SI(0.9)                0.0
                    (S)  124 O   19 SI(0.9)                0.0
                    (S)  122 O   20 SI(0.9)                0.0
                    (S)  123 O   20 SI(0.9)                0.0
372   1059.7395  (B2G)
                    (S)  117 O   17 SI(0.9)               -0.2
                    (S)  120 O   17 SI(0.9)                0.0
                    (S)  118 O   18 SI(0.9)                0.1
                    (S)  119 O   18 SI(0.9)                0.0
                    (S)  121 O   19 SI(0.9)                0.0
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                    (S)  124 O   19 SI(0.9)                0.0
                    (S)  122 O   20 SI(0.9)                0.0
                    (S)  123 O   20 SI(0.9)                0.0
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NORMAL MODES NORMALIZED TO CLASSICAL AMPLITUDES

FREQ(CM**-1)		-3.22	-2.19	-2.07	42.31	46.70	49.98
AT. 1 SI	X	0.1125	-0.0005	-0.0001	-0.0006	0.0008	0.0366
	Y	-0.0003	-0.0002	0.1389	0.0374	0.0133	-0.0001
	Z	0.0002	0.1354	0.0014	0.0017	-0.0021	0.0027
AT. 2 SI	X	0.1125	0.0005	-0.0001	0.0006	-0.0008	-0.0366
	Y	-0.0003	0.0002	0.1389	-0.0374	-0.0133	0.0001
	Z	-0.0002	0.1354	-0.0014	0.0017	-0.0021	0.0027
AT. 3 SI	X	0.1125	0.0005	0.0001	0.0006	0.0008	0.0366
	Y	0.0003	-0.0002	0.1389	0.0374	-0.0133	0.0001
	Z	-0.0002	0.1354	0.0014	0.0017	0.0021	-0.0027
AT. 4 SI	X	0.1125	-0.0005	0.0001	-0.0006	-0.0008	-0.0366
	Y	0.0003	0.0002	0.1389	-0.0374	0.0133	-0.0001
	Z	0.0002	0.1354	-0.0014	0.0017	0.0021	-0.0027
AT. 5 SI	X	0.1125	-0.0005	-0.0001	-0.0006	-0.0008	0.0366
	Y	-0.0003	-0.0002	0.1389	0.0374	-0.0133	-0.0001
	Z	0.0002	0.1354	0.0014	0.0017	0.0021	0.0027
AT. 6 SI	X	0.1125	0.0005	-0.0001	0.0006	0.0008	-0.0366
	Y	-0.0003	0.0002	0.1389	-0.0374	0.0133	0.0001
	Z	-0.0002	0.1354	-0.0014	0.0017	0.0021	0.0027
AT. 7 SI	X	0.1125	0.0005	0.0001	0.0006	-0.0008	0.0366
	Y	0.0003	-0.0002	0.1389	0.0374	0.0133	0.0001
	Z	-0.0002	0.1354	0.0014	0.0017	-0.0021	-0.0027
AT. 8 SI	X	0.1125	-0.0005	0.0001	-0.0006	0.0008	-0.0366
	Y	0.0003	0.0002	0.1389	-0.0374	-0.0133	-0.0001
	Z	0.0002	0.1354	-0.0014	0.0017	-0.0021	-0.0027
AT. 9 SI	X	0.1115	0.0005	0.0004	-0.0022	-0.0003	0.0209
	Y	-0.0004	-0.0008	0.1396	0.0213	0.0371	-0.0012
	Z	-0.0011	0.1355	0.0010	-0.0007	-0.0011	0.0010
AT. 10 SI	X	0.1115	-0.0005	0.0004	0.0022	0.0003	-0.0209
	Y	-0.0004	0.0008	0.1396	-0.0213	-0.0371	0.0012
	Z	0.0011	0.1355	-0.0010	-0.0007	-0.0011	0.0010
AT. 11 SI	X	0.1115	-0.0005	-0.0004	0.0022	-0.0003	0.0209
	Y	0.0004	-0.0008	0.1396	0.0213	-0.0371	0.0012
	Z	0.0011	0.1355	0.0010	-0.0007	0.0011	-0.0010
AT. 12 SI	X	0.1115	0.0005	-0.0004	-0.0022	0.0003	-0.0209
	Y	0.0004	0.0008	0.1396	-0.0213	0.0371	-0.0012
	Z	-0.0011	0.1355	-0.0010	-0.0007	0.0011	-0.0010
AT. 13 SI	X	0.1115	0.0005	0.0004	-0.0022	0.0003	0.0209
	Y	-0.0004	-0.0008	0.1396	0.0213	-0.0371	-0.0012
	Z	-0.0011	0.1355	0.0010	-0.0007	0.0011	0.0010
AT. 14 SI	X	0.1115	-0.0005	0.0004	0.0022	-0.0003	-0.0209
	Y	-0.0004	0.0008	0.1396	-0.0213	0.0371	0.0012
	Z	0.0011	0.1355	-0.0010	-0.0007	0.0011	0.0010
AT. 15 SI	X	0.1115	-0.0005	-0.0004	0.0022	0.0003	0.0209
	Y	0.0004	-0.0008	0.1396	0.0213	0.0371	0.0012
	Z	0.0011	0.1355	0.0010	-0.0007	-0.0011	-0.0010
AT. 16 SI	X	0.1115	0.0005	-0.0004	-0.0022	-0.0003	-0.0209
	Y	0.0004	0.0008	0.1396	-0.0213	-0.0371	-0.0012
	Z	-0.0011	0.1355	-0.0010	-0.0007	-0.0011	-0.0010
AT. 17 SI	X	0.1120	-0.0006	0.0000	0.0048	0.0000	0.0000
	Y	0.0000	0.0000	0.1394	0.0000	0.0413	0.0003
	Z	-0.0003	0.1357	0.0000	-0.0131	0.0000	0.0000
AT. 18 SI	X	0.1120	0.0006	0.0000	-0.0048	0.0000	0.0000
	Y	0.0000	0.0000	0.1394	0.0000	-0.0413	-0.0003

	Z	0.0003	0.1357	0.0000	-0.0131	0.0000	0.0000
AT. 19 SI	X	0.1120	-0.0006	0.0000	0.0048	0.0000	0.0000
	Y	0.0000	0.0000	0.1394	0.0000	-0.0413	0.0003
	Z	-0.0003	0.1357	0.0000	-0.0131	0.0000	0.0000
AT. 20 SI	X	0.1120	0.0006	0.0000	-0.0048	0.0000	0.0000
	Y	0.0000	0.0000	0.1394	0.0000	0.0413	-0.0003
	Z	0.0003	0.1357	0.0000	-0.0131	0.0000	0.0000
AT. 21 CA	X	0.1120	0.0002	0.0002	-0.0006	0.0000	0.0367
	Y	0.0002	-0.0004	0.1391	0.0383	0.0138	-0.0001
	Z	0.0001	0.1358	0.0017	0.0010	0.0015	-0.0003
AT. 22 CA	X	0.1120	-0.0002	0.0002	0.0006	0.0000	-0.0367
	Y	0.0002	0.0004	0.1391	-0.0383	-0.0138	0.0001
	Z	-0.0001	0.1358	-0.0017	0.0010	0.0015	-0.0003
AT. 23 CA	X	0.1120	-0.0002	-0.0002	0.0006	0.0000	0.0367
	Y	-0.0002	-0.0004	0.1391	0.0383	-0.0138	0.0001
	Z	-0.0001	0.1358	0.0017	0.0010	-0.0015	0.0003
AT. 24 CA	X	0.1120	0.0002	-0.0002	-0.0006	0.0000	-0.0367
	Y	-0.0002	0.0004	0.1391	-0.0383	0.0138	-0.0001
	Z	0.0001	0.1358	-0.0017	0.0010	-0.0015	0.0003
AT. 25 CA	X	0.1120	0.0002	0.0002	-0.0006	0.0000	0.0367
	Y	0.0002	-0.0004	0.1391	0.0383	-0.0138	-0.0001
	Z	0.0001	0.1358	0.0017	0.0010	-0.0015	-0.0003
AT. 26 CA	X	0.1120	-0.0002	0.0002	0.0006	0.0000	-0.0367
	Y	0.0002	0.0004	0.1391	-0.0383	0.0138	0.0001
	Z	-0.0001	0.1358	-0.0017	0.0010	-0.0015	-0.0003
AT. 27 CA	X	0.1120	-0.0002	-0.0002	0.0006	0.0000	0.0367
	Y	-0.0002	-0.0004	0.1391	0.0383	0.0138	0.0001
	Z	-0.0001	0.1358	0.0017	0.0010	0.0015	0.0003
AT. 28 CA	X	0.1120	0.0002	-0.0002	-0.0006	0.0000	-0.0367
	Y	-0.0002	0.0004	0.1391	-0.0383	-0.0138	-0.0001
	Z	0.0001	0.1358	-0.0017	0.0010	0.0015	0.0003
AT. 29 CA	X	0.1125	-0.0009	-0.0003	-0.0020	0.0000	0.0399
	Y	0.0003	-0.0016	0.1394	0.0390	0.0000	0.0014
	Z	0.0004	0.1367	0.0021	0.0054	0.0000	0.0000
AT. 30 CA	X	0.1125	0.0009	-0.0003	0.0020	0.0000	-0.0399
	Y	0.0003	0.0016	0.1394	-0.0390	0.0000	-0.0014
	Z	-0.0004	0.1367	-0.0021	0.0054	0.0000	0.0000
AT. 31 CA	X	0.1125	0.0009	0.0003	0.0020	0.0000	0.0399
	Y	-0.0003	-0.0016	0.1394	0.0390	0.0000	-0.0014
	Z	-0.0004	0.1367	0.0021	0.0054	0.0000	0.0000
AT. 32 CA	X	0.1125	-0.0009	0.0003	-0.0020	0.0000	-0.0399
	Y	-0.0003	0.0016	0.1394	-0.0390	0.0000	0.0014
	Z	0.0004	0.1367	-0.0021	0.0054	0.0000	0.0000
AT. 33 CA	X	0.1119	0.0004	0.0007	0.0013	-0.0010	0.0275
	Y	0.0010	-0.0004	0.1401	0.0375	0.0277	0.0016
	Z	0.0008	0.1352	0.0024	0.0091	-0.0024	0.0003
AT. 34 CA	X	0.1119	-0.0004	0.0007	-0.0013	0.0010	-0.0275
	Y	0.0010	0.0004	0.1401	-0.0375	-0.0277	-0.0016
	Z	-0.0008	0.1352	-0.0024	0.0091	-0.0024	0.0003
AT. 35 CA	X	0.1119	-0.0004	-0.0007	-0.0013	-0.0010	0.0275
	Y	-0.0010	-0.0004	0.1401	0.0375	-0.0277	-0.0016
	Z	-0.0008	0.1352	0.0024	0.0091	0.0024	-0.0003
AT. 36 CA	X	0.1119	0.0004	-0.0007	0.0013	0.0010	-0.0275
	Y	-0.0010	0.0004	0.1401	-0.0375	0.0277	0.0016
	Z	0.0008	0.1352	-0.0024	0.0091	0.0024	-0.0003
AT. 37 CA	X	0.1119	0.0004	0.0007	0.0013	0.0010	0.0275
	Y	0.0010	-0.0004	0.1401	0.0375	-0.0277	0.0016
	Z	0.0008	0.1352	0.0024	0.0091	0.0024	0.0003
AT. 38 CA	X	0.1119	-0.0004	0.0007	-0.0013	-0.0010	-0.0275
	Y	0.0010	0.0004	0.1401	-0.0375	0.0277	-0.0016
	Z	-0.0008	0.1352	-0.0024	0.0091	0.0024	0.0003

AT.	39	CA	X	0.1119	-0.0004	-0.0007	-0.0013	0.0010	0.0275
			Y	-0.0010	-0.0004	0.1401	0.0375	0.0277	-0.0016
			Z	-0.0008	0.1352	0.0024	0.0091	-0.0024	-0.0003
AT.	40	CA	X	0.1119	0.0004	-0.0007	0.0013	-0.0010	-0.0275
			Y	-0.0010	0.0004	0.1401	-0.0375	-0.0277	0.0016
			Z	0.0008	0.1352	-0.0024	0.0091	-0.0024	-0.0003
AT.	41	CA	X	0.1121	-0.0006	-0.0004	0.0008	-0.0006	0.0194
			Y	-0.0009	-0.0005	0.1394	0.0247	0.0364	-0.0009
			Z	0.0003	0.1347	0.0011	-0.0019	-0.0019	0.0079
AT.	42	CA	X	0.1121	0.0006	-0.0004	-0.0008	0.0006	-0.0194
			Y	-0.0009	0.0005	0.1394	-0.0247	-0.0364	0.0009
			Z	-0.0003	0.1347	-0.0011	-0.0019	-0.0019	0.0079
AT.	43	CA	X	0.1121	0.0006	0.0004	-0.0008	-0.0006	0.0194
			Y	0.0009	-0.0005	0.1394	0.0247	-0.0364	0.0009
			Z	-0.0003	0.1347	0.0011	-0.0019	0.0019	-0.0079
AT.	44	CA	X	0.1121	-0.0006	0.0004	0.0008	0.0006	-0.0194
			Y	0.0009	0.0005	0.1394	-0.0247	0.0364	-0.0009
			Z	0.0003	0.1347	-0.0011	-0.0019	0.0019	-0.0079
AT.	45	CA	X	0.1121	-0.0006	-0.0004	0.0008	0.0006	0.0194
			Y	-0.0009	-0.0005	0.1394	0.0247	-0.0364	-0.0009
			Z	0.0003	0.1347	0.0011	-0.0019	0.0019	0.0079
AT.	46	CA	X	0.1121	0.0006	-0.0004	-0.0008	-0.0006	-0.0194
			Y	-0.0009	0.0005	0.1394	-0.0247	0.0364	0.0009
			Z	-0.0003	0.1347	-0.0011	-0.0019	0.0019	0.0079
AT.	47	CA	X	0.1121	0.0006	0.0004	-0.0008	0.0006	0.0194
			Y	0.0009	-0.0005	0.1394	0.0247	0.0364	0.0009
			Z	-0.0003	0.1347	0.0011	-0.0019	-0.0019	-0.0079
AT.	48	CA	X	0.1121	-0.0006	0.0004	0.0008	-0.0006	-0.0194
			Y	0.0009	0.0005	0.1394	-0.0247	-0.0364	-0.0009
			Z	0.0003	0.1347	-0.0011	-0.0019	-0.0019	-0.0079
AT.	49	CA	X	0.1081	0.0006	0.0000	0.0044	0.0000	0.0000
			Y	0.0000	0.0000	0.1398	0.0000	0.0419	0.0011
			Z	-0.0001	0.1337	0.0000	-0.0004	0.0000	0.0000
AT.	50	CA	X	0.1081	-0.0006	0.0000	-0.0044	0.0000	0.0000
			Y	0.0000	0.0000	0.1398	0.0000	-0.0419	-0.0011
			Z	0.0001	0.1337	0.0000	-0.0004	0.0000	0.0000
AT.	51	CA	X	0.1081	0.0006	0.0000	0.0044	0.0000	0.0000
			Y	0.0000	0.0000	0.1398	0.0000	-0.0419	0.0011
			Z	-0.0001	0.1337	0.0000	-0.0004	0.0000	0.0000
AT.	52	CA	X	0.1081	-0.0006	0.0000	-0.0044	0.0000	0.0000
			Y	0.0000	0.0000	0.1398	0.0000	0.0419	-0.0011
			Z	0.0001	0.1337	0.0000	-0.0004	0.0000	0.0000
AT.	53	O	X	0.1119	-0.0005	0.0011	-0.0005	0.0008	0.0360
			Y	0.0000	-0.0006	0.1396	0.0379	0.0137	0.0002
			Z	0.0005	0.1358	0.0018	0.0029	0.0032	0.0018
AT.	54	O	X	0.1119	0.0005	0.0011	0.0005	-0.0008	-0.0360
			Y	0.0000	0.0006	0.1396	-0.0379	-0.0137	-0.0002
			Z	-0.0005	0.1358	-0.0018	0.0029	0.0032	0.0018
AT.	55	O	X	0.1119	0.0005	-0.0011	0.0005	0.0008	0.0360
			Y	0.0000	-0.0006	0.1396	0.0379	-0.0137	-0.0002
			Z	-0.0005	0.1358	0.0018	0.0029	-0.0032	-0.0018
AT.	56	O	X	0.1119	-0.0005	-0.0011	-0.0005	-0.0008	-0.0360
			Y	0.0000	0.0006	0.1396	-0.0379	0.0137	0.0002
			Z	0.0005	0.1358	-0.0018	0.0029	-0.0032	-0.0018
AT.	57	O	X	0.1119	-0.0005	0.0011	-0.0005	-0.0008	0.0360
			Y	0.0000	-0.0006	0.1396	0.0379	-0.0137	0.0002
			Z	0.0005	0.1358	0.0018	0.0029	-0.0032	0.0018
AT.	58	O	X	0.1119	0.0005	0.0011	0.0005	0.0008	-0.0360
			Y	0.0000	0.0006	0.1396	-0.0379	0.0137	-0.0002
			Z	-0.0005	0.1358	-0.0018	0.0029	-0.0032	0.0018
AT.	59	O	X	0.1119	0.0005	-0.0011	0.0005	-0.0008	0.0360

		Y	0.0000	-0.0006	0.1396	0.0379	0.0137	-0.0002
		Z	-0.0005	0.1358	0.0018	0.0029	0.0032	-0.0018
AT.	60 O	X	0.1119	-0.0005	-0.0011	-0.0005	0.0008	-0.0360
		Y	0.0000	0.0006	0.1396	-0.0379	-0.0137	0.0002
		Z	0.0005	0.1358	-0.0018	0.0029	0.0032	-0.0018
AT.	61 O	X	0.1124	0.0001	-0.0004	-0.0022	0.0041	0.0343
		Y	-0.0004	-0.0007	0.1393	0.0373	0.0204	-0.0011
		Z	0.0001	0.1352	0.0010	0.0001	-0.0036	0.0023
AT.	62 O	X	0.1124	-0.0001	-0.0004	0.0022	-0.0041	-0.0343
		Y	-0.0004	0.0007	0.1393	-0.0373	-0.0204	0.0011
		Z	-0.0001	0.1352	-0.0010	0.0001	-0.0036	0.0023
AT.	63 O	X	0.1124	-0.0001	0.0004	0.0022	0.0041	0.0343
		Y	0.0004	-0.0007	0.1393	0.0373	-0.0204	0.0011
		Z	-0.0001	0.1352	0.0010	0.0001	0.0036	-0.0023
AT.	64 O	X	0.1124	0.0001	0.0004	-0.0022	-0.0041	-0.0343
		Y	0.0004	0.0007	0.1393	-0.0373	0.0204	-0.0011
		Z	0.0001	0.1352	-0.0010	0.0001	0.0036	-0.0023
AT.	65 O	X	0.1124	0.0001	-0.0004	-0.0022	-0.0041	0.0343
		Y	-0.0004	-0.0007	0.1393	0.0373	-0.0204	-0.0011
		Z	0.0001	0.1352	0.0010	0.0001	0.0036	0.0023
AT.	66 O	X	0.1124	-0.0001	-0.0004	0.0022	0.0041	-0.0343
		Y	-0.0004	0.0007	0.1393	-0.0373	0.0204	0.0011
		Z	-0.0001	0.1352	-0.0010	0.0001	0.0036	0.0023
AT.	67 O	X	0.1124	-0.0001	0.0004	0.0022	-0.0041	0.0343
		Y	0.0004	-0.0007	0.1393	0.0373	0.0204	0.0011
		Z	-0.0001	0.1352	0.0010	0.0001	-0.0036	-0.0023
AT.	68 O	X	0.1124	0.0001	0.0004	-0.0022	0.0041	-0.0343
		Y	0.0004	0.0007	0.1393	-0.0373	-0.0204	-0.0011
		Z	0.0001	0.1352	-0.0010	0.0001	-0.0036	-0.0023
AT.	69 O	X	0.1124	0.0000	0.0000	0.0007	-0.0024	0.0386
		Y	-0.0003	-0.0012	0.1388	0.0371	0.0048	0.0010
		Z	0.0002	0.1357	0.0014	0.0006	-0.0043	0.0022
AT.	70 O	X	0.1124	0.0000	0.0000	-0.0007	0.0024	-0.0386
		Y	-0.0003	0.0012	0.1388	-0.0371	-0.0048	-0.0010
		Z	-0.0002	0.1357	-0.0014	0.0006	-0.0043	0.0022
AT.	71 O	X	0.1124	0.0000	0.0000	-0.0007	-0.0024	0.0386
		Y	0.0003	-0.0012	0.1388	0.0371	-0.0048	-0.0010
		Z	-0.0002	0.1357	0.0014	0.0006	0.0043	-0.0022
AT.	72 O	X	0.1124	0.0000	0.0000	0.0007	0.0024	-0.0386
		Y	0.0003	0.0012	0.1388	-0.0371	0.0048	0.0010
		Z	0.0002	0.1357	-0.0014	0.0006	0.0043	-0.0022
AT.	73 O	X	0.1124	0.0000	0.0000	0.0007	0.0024	0.0386
		Y	-0.0003	-0.0012	0.1388	0.0371	-0.0048	0.0010
		Z	0.0002	0.1357	0.0014	0.0006	0.0043	0.0022
AT.	74 O	X	0.1124	0.0000	0.0000	-0.0007	-0.0024	-0.0386
		Y	-0.0003	0.0012	0.1388	-0.0371	0.0048	-0.0010
		Z	-0.0002	0.1357	-0.0014	0.0006	0.0043	0.0022
AT.	75 O	X	0.1124	0.0000	0.0000	-0.0007	0.0024	0.0386
		Y	0.0003	-0.0012	0.1388	0.0371	0.0048	-0.0010
		Z	-0.0002	0.1357	0.0014	0.0006	-0.0043	-0.0022
AT.	76 O	X	0.1124	0.0000	0.0000	0.0007	-0.0024	-0.0386
		Y	0.0003	0.0012	0.1388	-0.0371	-0.0048	0.0010
		Z	0.0002	0.1357	-0.0014	0.0006	-0.0043	-0.0022
AT.	77 O	X	0.1115	-0.0002	0.0002	-0.0006	0.0007	0.0363
		Y	-0.0004	-0.0005	0.1399	0.0373	0.0138	-0.0005
		Z	0.0001	0.1356	0.0020	0.0040	-0.0048	0.0015
AT.	78 O	X	0.1115	0.0002	0.0002	0.0006	-0.0007	-0.0363
		Y	-0.0004	0.0005	0.1399	-0.0373	-0.0138	0.0005
		Z	-0.0001	0.1356	-0.0020	0.0040	-0.0048	0.0015
AT.	79 O	X	0.1115	0.0002	-0.0002	0.0006	0.0007	0.0363
		Y	0.0004	-0.0005	0.1399	0.0373	-0.0138	0.0005

	Z	-0.0001	0.1356	0.0020	0.0040	0.0048	-0.0015
AT. 80 O	X	0.1115	-0.0002	-0.0002	-0.0006	-0.0007	-0.0363
	Y	0.0004	0.0005	0.1399	-0.0373	0.0138	-0.0005
	Z	0.0001	0.1356	-0.0020	0.0040	0.0048	-0.0015
AT. 81 O	X	0.1115	-0.0002	0.0002	-0.0006	-0.0007	0.0363
	Y	-0.0004	-0.0005	0.1399	0.0373	-0.0138	-0.0005
	Z	0.0001	0.1356	0.0020	0.0040	0.0048	0.0015
AT. 82 O	X	0.1115	0.0002	0.0002	0.0006	0.0007	-0.0363
	Y	-0.0004	0.0005	0.1399	-0.0373	0.0138	0.0005
	Z	-0.0001	0.1356	-0.0020	0.0040	0.0048	0.0015
AT. 83 O	X	0.1115	0.0002	-0.0002	0.0006	-0.0007	0.0363
	Y	0.0004	-0.0005	0.1399	0.0373	0.0138	0.0005
	Z	-0.0001	0.1356	0.0020	0.0040	-0.0048	-0.0015
AT. 84 O	X	0.1115	-0.0002	-0.0002	-0.0006	0.0007	-0.0363
	Y	0.0004	0.0005	0.1399	-0.0373	-0.0138	-0.0005
	Z	0.0001	0.1356	-0.0020	0.0040	-0.0048	-0.0015
AT. 85 O	X	0.1128	-0.0003	0.0008	-0.0001	-0.0009	0.0262
	Y	0.0004	-0.0004	0.1397	0.0269	0.0315	0.0004
	Z	-0.0002	0.1354	0.0014	-0.0019	0.0013	0.0030
AT. 86 O	X	0.1128	0.0003	0.0008	0.0001	0.0009	-0.0262
	Y	0.0004	0.0004	0.1397	-0.0269	-0.0315	-0.0004
	Z	0.0002	0.1354	-0.0014	-0.0019	0.0013	0.0030
AT. 87 O	X	0.1128	0.0003	-0.0008	0.0001	-0.0009	0.0262
	Y	-0.0004	-0.0004	0.1397	0.0269	-0.0315	-0.0004
	Z	0.0002	0.1354	0.0014	-0.0019	-0.0013	-0.0030
AT. 88 O	X	0.1128	-0.0003	-0.0008	-0.0001	0.0009	-0.0262
	Y	-0.0004	0.0004	0.1397	-0.0269	0.0315	0.0004
	Z	-0.0002	0.1354	-0.0014	-0.0019	-0.0013	-0.0030
AT. 89 O	X	0.1128	-0.0003	0.0008	-0.0001	0.0009	0.0262
	Y	0.0004	-0.0004	0.1397	0.0269	-0.0315	0.0004
	Z	-0.0002	0.1354	0.0014	-0.0019	-0.0013	0.0030
AT. 90 O	X	0.1128	0.0003	0.0008	0.0001	-0.0009	-0.0262
	Y	0.0004	0.0004	0.1397	-0.0269	0.0315	-0.0004
	Z	0.0002	0.1354	-0.0014	-0.0019	-0.0013	0.0030
AT. 91 O	X	0.1128	0.0003	-0.0008	0.0001	0.0009	0.0262
	Y	-0.0004	-0.0004	0.1397	0.0269	0.0315	-0.0004
	Z	0.0002	0.1354	0.0014	-0.0019	0.0013	-0.0030
AT. 92 O	X	0.1128	-0.0003	-0.0008	-0.0001	-0.0009	-0.0262
	Y	-0.0004	0.0004	0.1397	-0.0269	-0.0315	0.0004
	Z	-0.0002	0.1354	-0.0014	-0.0019	0.0013	-0.0030
AT. 93 O	X	0.1119	0.0014	-0.0009	-0.0060	-0.0005	0.0230
	Y	-0.0009	-0.0005	0.1391	0.0215	0.0373	-0.0020
	Z	0.0000	0.1371	0.0014	0.0011	-0.0043	0.0030
AT. 94 O	X	0.1119	-0.0014	-0.0009	0.0060	0.0005	-0.0230
	Y	-0.0009	0.0005	0.1391	-0.0215	-0.0373	0.0020
	Z	0.0000	0.1371	-0.0014	0.0011	-0.0043	0.0030
AT. 95 O	X	0.1119	-0.0014	0.0009	0.0060	-0.0005	0.0230
	Y	0.0009	-0.0005	0.1391	0.0215	-0.0373	0.0020
	Z	0.0000	0.1371	0.0014	0.0011	0.0043	-0.0030
AT. 96 O	X	0.1119	0.0014	0.0009	-0.0060	0.0005	-0.0230
	Y	0.0009	0.0005	0.1391	-0.0215	0.0373	-0.0020
	Z	0.0000	0.1371	-0.0014	0.0011	0.0043	-0.0030
AT. 97 O	X	0.1119	0.0014	-0.0009	-0.0060	0.0005	0.0230
	Y	-0.0009	-0.0005	0.1391	0.0215	-0.0373	-0.0020
	Z	0.0000	0.1371	0.0014	0.0011	0.0043	0.0030
AT. 98 O	X	0.1119	-0.0014	-0.0009	0.0060	-0.0005	-0.0230
	Y	-0.0009	0.0005	0.1391	-0.0215	0.0373	0.0020
	Z	0.0000	0.1371	-0.0014	0.0011	0.0043	0.0030
AT. 99 O	X	0.1119	-0.0014	0.0009	0.0060	0.0005	0.0230
	Y	0.0009	-0.0005	0.1391	0.0215	0.0373	0.0020
	Z	0.0000	0.1371	0.0014	0.0011	-0.0043	-0.0030

AT. 100 O	X	0.1119	0.0014	0.0009	-0.0060	-0.0005	-0.0230
	Y	0.0009	0.0005	0.1391	-0.0215	-0.0373	-0.0020
	Z	0.0000	0.1371	-0.0014	0.0011	-0.0043	-0.0030
AT. 101 O	X	0.1113	-0.0003	0.0001	-0.0018	0.0001	0.0099
	Y	-0.0006	-0.0011	0.1394	0.0156	0.0412	-0.0024
	Z	-0.0013	0.1350	0.0009	-0.0032	0.0007	0.0055
AT. 102 O	X	0.1113	0.0003	0.0001	0.0018	-0.0001	-0.0099
	Y	-0.0006	0.0011	0.1394	-0.0156	-0.0412	0.0024
	Z	0.0013	0.1350	-0.0009	-0.0032	0.0007	0.0055
AT. 103 O	X	0.1113	0.0003	-0.0001	0.0018	0.0001	0.0099
	Y	0.0006	-0.0011	0.1394	0.0156	-0.0412	0.0024
	Z	0.0013	0.1350	0.0009	-0.0032	-0.0007	-0.0055
AT. 104 O	X	0.1113	-0.0003	-0.0001	-0.0018	-0.0001	-0.0099
	Y	0.0006	0.0011	0.1394	-0.0156	0.0412	-0.0024
	Z	-0.0013	0.1350	-0.0009	-0.0032	-0.0007	-0.0055
AT. 105 O	X	0.1113	-0.0003	0.0001	-0.0018	-0.0001	0.0099
	Y	-0.0006	-0.0011	0.1394	0.0156	-0.0412	-0.0024
	Z	-0.0013	0.1350	0.0009	-0.0032	-0.0007	0.0055
AT. 106 O	X	0.1113	0.0003	0.0001	0.0018	0.0001	-0.0099
	Y	-0.0006	0.0011	0.1394	-0.0156	0.0412	0.0024
	Z	0.0013	0.1350	-0.0009	-0.0032	-0.0007	0.0055
AT. 107 O	X	0.1113	0.0003	-0.0001	0.0018	-0.0001	0.0099
	Y	0.0006	-0.0011	0.1394	0.0156	0.0412	0.0024
	Z	0.0013	0.1350	0.0009	-0.0032	0.0007	-0.0055
AT. 108 O	X	0.1113	-0.0003	-0.0001	-0.0018	0.0001	-0.0099
	Y	0.0006	0.0011	0.1394	-0.0156	-0.0412	-0.0024
	Z	-0.0013	0.1350	-0.0009	-0.0032	0.0007	-0.0055
AT. 109 O	X	0.1127	0.0001	0.0001	-0.0023	-0.0001	0.0211
	Y	-0.0003	0.0002	0.1387	0.0180	0.0367	0.0007
	Z	-0.0023	0.1359	0.0011	0.0019	-0.0004	-0.0042
AT. 110 O	X	0.1127	-0.0001	0.0001	0.0023	0.0001	-0.0211
	Y	-0.0003	-0.0002	0.1387	-0.0180	-0.0367	-0.0007
	Z	0.0023	0.1359	-0.0011	0.0019	-0.0004	-0.0042
AT. 111 O	X	0.1127	-0.0001	-0.0001	0.0023	-0.0001	0.0211
	Y	0.0003	0.0002	0.1387	0.0180	-0.0367	-0.0007
	Z	0.0023	0.1359	0.0011	0.0019	0.0004	0.0042
AT. 112 O	X	0.1127	0.0001	-0.0001	-0.0023	0.0001	-0.0211
	Y	0.0003	-0.0002	0.1387	-0.0180	0.0367	0.0007
	Z	-0.0023	0.1359	-0.0011	0.0019	0.0004	0.0042
AT. 113 O	X	0.1127	0.0001	0.0001	-0.0023	0.0001	0.0211
	Y	-0.0003	0.0002	0.1387	0.0180	-0.0367	0.0007
	Z	-0.0023	0.1359	0.0011	0.0019	0.0004	-0.0042
AT. 114 O	X	0.1127	-0.0001	0.0001	0.0023	-0.0001	-0.0211
	Y	-0.0003	-0.0002	0.1387	-0.0180	0.0367	-0.0007
	Z	0.0023	0.1359	-0.0011	0.0019	0.0004	-0.0042
AT. 115 O	X	0.1127	-0.0001	-0.0001	0.0023	0.0001	0.0211
	Y	0.0003	0.0002	0.1387	0.0180	0.0367	-0.0007
	Z	0.0023	0.1359	0.0011	0.0019	-0.0004	0.0042
AT. 116 O	X	0.1127	0.0001	-0.0001	-0.0023	-0.0001	-0.0211
	Y	0.0003	-0.0002	0.1387	-0.0180	-0.0367	0.0007
	Z	-0.0023	0.1359	-0.0011	0.0019	-0.0004	0.0042
AT. 117 O	X	0.1124	-0.0014	0.0015	0.0082	-0.0002	0.0118
	Y	0.0008	0.0006	0.1390	0.0037	0.0404	-0.0021
	Z	-0.0008	0.1360	-0.0005	-0.0197	0.0008	-0.0083
AT. 118 O	X	0.1124	0.0014	0.0015	-0.0082	0.0002	-0.0118
	Y	0.0008	-0.0006	0.1390	-0.0037	-0.0404	0.0021
	Z	0.0008	0.1360	0.0005	-0.0197	0.0008	-0.0083
AT. 119 O	X	0.1124	0.0014	-0.0015	-0.0082	-0.0002	0.0118
	Y	-0.0008	0.0006	0.1390	0.0037	-0.0404	0.0021
	Z	0.0008	0.1360	-0.0005	-0.0197	-0.0008	0.0083
AT. 120 O	X	0.1124	-0.0014	-0.0015	0.0082	0.0002	-0.0118

	Y	-0.0008	-0.0006	0.1390	-0.0037	0.0404	-0.0021
	Z	-0.0008	0.1360	0.0005	-0.0197	-0.0008	0.0083
AT. 121 O	X	0.1124	-0.0014	0.0015	0.0082	0.0002	0.0118
	Y	0.0008	0.0006	0.1390	0.0037	-0.0404	-0.0021
	Z	-0.0008	0.1360	-0.0005	-0.0197	-0.0008	-0.0083
AT. 122 O	X	0.1124	0.0014	0.0015	-0.0082	-0.0002	-0.0118
	Y	0.0008	-0.0006	0.1390	-0.0037	0.0404	0.0021
	Z	0.0008	0.1360	0.0005	-0.0197	-0.0008	-0.0083
AT. 123 O	X	0.1124	0.0014	-0.0015	-0.0082	0.0002	0.0118
	Y	-0.0008	0.0006	0.1390	0.0037	0.0404	0.0021
	Z	0.0008	0.1360	-0.0005	-0.0197	0.0008	0.0083
AT. 124 O	X	0.1124	-0.0014	-0.0015	0.0082	-0.0002	-0.0118
	Y	-0.0008	-0.0006	0.1390	-0.0037	-0.0404	-0.0021
	Z	-0.0008	0.1360	0.0005	-0.0197	0.0008	0.0083

FREQ(CM**-1)	51.31	66.60	75.27	77.17	88.16	91.19
AT. 1 SI X	-0.0124	-0.0005	0.0008	-0.0073	0.0021	-0.0152
Y	0.0002	-0.0054	0.0114	-0.0035	-0.0087	-0.0069
Z	0.0035	-0.0273	-0.0074	-0.0177	-0.0084	0.0014
AT. 2 SI X	0.0124	-0.0005	0.0008	-0.0073	0.0021	-0.0152
Y	-0.0002	-0.0054	0.0114	-0.0035	-0.0087	-0.0069
Z	0.0035	0.0273	0.0074	0.0177	0.0084	-0.0014
AT. 3 SI X	0.0124	0.0005	0.0008	-0.0073	0.0021	-0.0152
Y	0.0002	-0.0054	-0.0114	0.0035	0.0087	0.0069
Z	0.0035	-0.0273	0.0074	0.0177	0.0084	-0.0014
AT. 4 SI X	-0.0124	0.0005	0.0008	-0.0073	0.0021	-0.0152
Y	-0.0002	-0.0054	-0.0114	0.0035	0.0087	0.0069
Z	0.0035	0.0273	-0.0074	-0.0177	-0.0084	0.0014
AT. 5 SI X	0.0124	-0.0005	-0.0008	-0.0073	-0.0021	-0.0152
Y	-0.0002	-0.0054	-0.0114	-0.0035	0.0087	-0.0069
Z	-0.0035	-0.0273	0.0074	-0.0177	0.0084	0.0014
AT. 6 SI X	-0.0124	-0.0005	-0.0008	-0.0073	-0.0021	-0.0152
Y	0.0002	-0.0054	-0.0114	-0.0035	0.0087	-0.0069
Z	-0.0035	0.0273	-0.0074	0.0177	-0.0084	-0.0014
AT. 7 SI X	-0.0124	0.0005	-0.0008	-0.0073	-0.0021	-0.0152
Y	-0.0002	-0.0054	0.0114	0.0035	-0.0087	0.0069
Z	-0.0035	-0.0273	-0.0074	0.0177	-0.0084	-0.0014
AT. 8 SI X	0.0124	0.0005	-0.0008	-0.0073	-0.0021	-0.0152
Y	0.0002	-0.0054	0.0114	0.0035	-0.0087	0.0069
Z	-0.0035	0.0273	0.0074	-0.0177	0.0084	0.0014
AT. 9 SI X	-0.0334	0.0008	-0.0039	0.0030	0.0010	0.0072
Y	-0.0023	0.0051	0.0183	0.0071	-0.0142	0.0033
Z	-0.0023	-0.0163	-0.0169	-0.0084	-0.0237	0.0189
AT. 10 SI X	0.0334	0.0008	-0.0039	0.0030	0.0010	0.0072
Y	0.0023	0.0051	0.0183	0.0071	-0.0142	0.0033
Z	-0.0023	0.0163	0.0169	0.0084	0.0237	-0.0189
AT. 11 SI X	0.0334	-0.0008	-0.0039	0.0030	0.0010	0.0072
Y	-0.0023	0.0051	-0.0183	-0.0071	0.0142	-0.0033
Z	-0.0023	-0.0163	0.0169	0.0084	0.0237	-0.0189
AT. 12 SI X	-0.0334	-0.0008	-0.0039	0.0030	0.0010	0.0072
Y	0.0023	0.0051	-0.0183	-0.0071	0.0142	-0.0033
Z	-0.0023	0.0163	-0.0169	-0.0084	-0.0237	0.0189
AT. 13 SI X	0.0334	0.0008	0.0039	0.0030	-0.0010	0.0072
Y	0.0023	0.0051	-0.0183	0.0071	0.0142	0.0033
Z	0.0023	-0.0163	0.0169	-0.0084	0.0237	0.0189
AT. 14 SI X	-0.0334	0.0008	0.0039	0.0030	-0.0010	0.0072
Y	-0.0023	0.0051	-0.0183	0.0071	0.0142	0.0033
Z	0.0023	0.0163	-0.0169	0.0084	-0.0237	-0.0189
AT. 15 SI X	-0.0334	-0.0008	0.0039	0.0030	-0.0010	0.0072
Y	0.0023	0.0051	0.0183	-0.0071	-0.0142	-0.0033

		Z	0.0023	-0.0163	-0.0169	0.0084	-0.0237	-0.0189
AT.	16 SI	X	0.0334	-0.0008	0.0039	0.0030	-0.0010	0.0072
		Y	-0.0023	0.0051	0.0183	-0.0071	-0.0142	-0.0033
		Z	0.0023	0.0163	0.0169	-0.0084	0.0237	0.0189
AT.	17 SI	X	-0.0396	0.0000	0.0069	0.0141	-0.0050	0.0176
		Y	0.0000	0.0155	0.0000	0.0000	0.0000	0.0000
		Z	0.0001	0.0000	-0.0301	-0.0112	-0.0158	0.0136
AT.	18 SI	X	0.0396	0.0000	0.0069	0.0141	-0.0050	0.0176
		Y	0.0000	0.0155	0.0000	0.0000	0.0000	0.0000
		Z	0.0001	0.0000	0.0301	0.0112	0.0158	-0.0136
AT.	19 SI	X	0.0396	0.0000	-0.0069	0.0141	0.0050	0.0176
		Y	0.0000	0.0155	0.0000	0.0000	0.0000	0.0000
		Z	-0.0001	0.0000	0.0301	-0.0112	0.0158	0.0136
AT.	20 SI	X	-0.0396	0.0000	-0.0069	0.0141	0.0050	0.0176
		Y	0.0000	0.0155	0.0000	0.0000	0.0000	0.0000
		Z	-0.0001	0.0000	-0.0301	0.0112	-0.0158	-0.0136
AT.	21 CA	X	-0.0133	0.0012	-0.0032	-0.0056	-0.0026	-0.0101
		Y	0.0001	-0.0055	0.0126	-0.0002	-0.0123	0.0002
		Z	-0.0046	-0.0246	-0.0052	-0.0111	-0.0094	0.0125
AT.	22 CA	X	0.0133	0.0012	-0.0032	-0.0056	-0.0026	-0.0101
		Y	-0.0001	-0.0055	0.0126	-0.0002	-0.0123	0.0002
		Z	-0.0046	0.0246	0.0052	0.0111	0.0094	-0.0125
AT.	23 CA	X	0.0133	-0.0012	-0.0032	-0.0056	-0.0026	-0.0101
		Y	0.0001	-0.0055	-0.0126	0.0002	0.0123	-0.0002
		Z	-0.0046	-0.0246	0.0052	0.0111	0.0094	-0.0125
AT.	24 CA	X	-0.0133	-0.0012	-0.0032	-0.0056	-0.0026	-0.0101
		Y	-0.0001	-0.0055	-0.0126	0.0002	0.0123	-0.0002
		Z	-0.0046	0.0246	-0.0052	-0.0111	-0.0094	0.0125
AT.	25 CA	X	0.0133	0.0012	0.0032	-0.0056	0.0026	-0.0101
		Y	-0.0001	-0.0055	-0.0126	-0.0002	0.0123	0.0002
		Z	0.0046	-0.0246	0.0052	-0.0111	0.0094	0.0125
AT.	26 CA	X	-0.0133	0.0012	0.0032	-0.0056	0.0026	-0.0101
		Y	0.0001	-0.0055	-0.0126	-0.0002	0.0123	0.0002
		Z	0.0046	0.0246	-0.0052	0.0111	-0.0094	-0.0125
AT.	27 CA	X	-0.0133	-0.0012	0.0032	-0.0056	0.0026	-0.0101
		Y	-0.0001	-0.0055	0.0126	0.0002	-0.0123	-0.0002
		Z	0.0046	-0.0246	-0.0052	0.0111	-0.0094	-0.0125
AT.	28 CA	X	0.0133	-0.0012	0.0032	-0.0056	0.0026	-0.0101
		Y	0.0001	-0.0055	0.0126	0.0002	-0.0123	-0.0002
		Z	0.0046	0.0246	0.0052	-0.0111	0.0094	0.0125
AT.	29 CA	X	0.0000	0.0015	0.0000	-0.0076	0.0000	-0.0195
		Y	0.0000	-0.0034	0.0000	0.0135	0.0000	-0.0212
		Z	0.0000	-0.0336	0.0000	-0.0303	0.0000	0.0123
AT.	30 CA	X	0.0000	0.0015	0.0000	-0.0076	0.0000	-0.0195
		Y	0.0000	-0.0034	0.0000	0.0135	0.0000	-0.0212
		Z	0.0000	0.0336	0.0000	0.0303	0.0000	-0.0123
AT.	31 CA	X	0.0000	-0.0015	0.0000	-0.0076	0.0000	-0.0195
		Y	0.0000	-0.0034	0.0000	-0.0135	0.0000	0.0212
		Z	0.0000	-0.0336	0.0000	0.0303	0.0000	-0.0123
AT.	32 CA	X	0.0000	-0.0015	0.0000	-0.0076	0.0000	-0.0195
		Y	0.0000	-0.0034	0.0000	-0.0135	0.0000	0.0212
		Z	0.0000	0.0336	0.0000	-0.0303	0.0000	0.0123
AT.	33 CA	X	-0.0270	-0.0028	0.0000	-0.0059	0.0011	0.0004
		Y	0.0023	-0.0099	0.0288	-0.0238	-0.0204	-0.0031
		Z	0.0008	-0.0316	-0.0041	-0.0327	-0.0212	0.0140
AT.	34 CA	X	0.0270	-0.0028	0.0000	-0.0059	0.0011	0.0004
		Y	-0.0023	-0.0099	0.0288	-0.0238	-0.0204	-0.0031
		Z	0.0008	0.0316	0.0041	0.0327	0.0212	-0.0140
AT.	35 CA	X	0.0270	0.0028	0.0000	-0.0059	0.0011	0.0004
		Y	0.0023	-0.0099	-0.0288	0.0238	0.0204	0.0031
		Z	0.0008	-0.0316	0.0041	0.0327	0.0212	-0.0140

AT.	36	CA	X	-0.0270	0.0028	0.0000	-0.0059	0.0011	0.0004
			Y	-0.0023	-0.0099	-0.0288	0.0238	0.0204	0.0031
			Z	0.0008	0.0316	-0.0041	-0.0327	-0.0212	0.0140
AT.	37	CA	X	0.0270	-0.0028	0.0000	-0.0059	-0.0011	0.0004
			Y	-0.0023	-0.0099	-0.0288	-0.0238	0.0204	-0.0031
			Z	-0.0008	-0.0316	0.0041	-0.0327	0.0212	0.0140
AT.	38	CA	X	-0.0270	-0.0028	0.0000	-0.0059	-0.0011	0.0004
			Y	0.0023	-0.0099	-0.0288	-0.0238	0.0204	-0.0031
			Z	-0.0008	0.0316	-0.0041	0.0327	-0.0212	-0.0140
AT.	39	CA	X	-0.0270	0.0028	0.0000	-0.0059	-0.0011	0.0004
			Y	-0.0023	-0.0099	0.0288	0.0238	-0.0204	0.0031
			Z	-0.0008	-0.0316	-0.0041	0.0327	-0.0212	-0.0140
AT.	40	CA	X	0.0270	0.0028	0.0000	-0.0059	-0.0011	0.0004
			Y	0.0023	-0.0099	0.0288	0.0238	-0.0204	0.0031
			Z	-0.0008	0.0316	0.0041	-0.0327	0.0212	0.0140
AT.	41	CA	X	-0.0334	-0.0038	0.0011	-0.0003	0.0037	0.0085
			Y	0.0005	0.0013	0.0219	-0.0025	-0.0166	0.0016
			Z	0.0073	-0.0152	-0.0184	-0.0136	-0.0162	-0.0184
AT.	42	CA	X	0.0334	-0.0038	0.0011	-0.0003	0.0037	0.0085
			Y	-0.0005	0.0013	0.0219	-0.0025	-0.0166	0.0016
			Z	0.0073	0.0152	0.0184	0.0136	0.0162	0.0184
AT.	43	CA	X	0.0334	0.0038	0.0011	-0.0003	0.0037	0.0085
			Y	0.0005	0.0013	-0.0219	0.0025	0.0166	-0.0016
			Z	0.0073	-0.0152	0.0184	0.0136	0.0162	0.0184
AT.	44	CA	X	-0.0334	0.0038	0.0011	-0.0003	0.0037	0.0085
			Y	-0.0005	0.0013	-0.0219	0.0025	0.0166	-0.0016
			Z	0.0073	0.0152	-0.0184	-0.0136	-0.0162	-0.0184
AT.	45	CA	X	0.0334	-0.0038	-0.0011	-0.0003	-0.0037	0.0085
			Y	-0.0005	0.0013	-0.0219	-0.0025	0.0166	0.0016
			Z	-0.0073	-0.0152	0.0184	-0.0136	0.0162	-0.0184
AT.	46	CA	X	-0.0334	-0.0038	-0.0011	-0.0003	-0.0037	0.0085
			Y	0.0005	0.0013	-0.0219	-0.0025	0.0166	0.0016
			Z	-0.0073	0.0152	-0.0184	0.0136	-0.0162	0.0184
AT.	47	CA	X	-0.0334	0.0038	-0.0011	-0.0003	-0.0037	0.0085
			Y	-0.0005	0.0013	0.0219	0.0025	-0.0166	-0.0016
			Z	-0.0073	-0.0152	-0.0184	0.0136	-0.0162	0.0184
AT.	48	CA	X	0.0334	0.0038	-0.0011	-0.0003	-0.0037	0.0085
			Y	0.0005	0.0013	0.0219	0.0025	-0.0166	-0.0016
			Z	-0.0073	0.0152	0.0184	-0.0136	0.0162	-0.0184
AT.	49	CA	X	-0.0430	0.0000	0.0035	0.0200	-0.0090	0.0316
			Y	0.0000	0.0140	0.0000	0.0000	0.0000	0.0000
			Z	-0.0010	0.0000	-0.0211	-0.0152	-0.0241	0.0132
AT.	50	CA	X	0.0430	0.0000	0.0035	0.0200	-0.0090	0.0316
			Y	0.0000	0.0140	0.0000	0.0000	0.0000	0.0000
			Z	-0.0010	0.0000	0.0211	0.0152	0.0241	-0.0132
AT.	51	CA	X	0.0430	0.0000	-0.0035	0.0200	0.0090	0.0316
			Y	0.0000	0.0140	0.0000	0.0000	0.0000	0.0000
			Z	0.0010	0.0000	0.0211	-0.0152	0.0241	0.0132
AT.	52	CA	X	-0.0430	0.0000	-0.0035	0.0200	0.0090	0.0316
			Y	0.0000	0.0140	0.0000	0.0000	0.0000	0.0000
			Z	0.0010	0.0000	-0.0211	0.0152	-0.0241	-0.0132
AT.	53	O	X	-0.0127	-0.0007	0.0006	-0.0081	0.0048	-0.0137
			Y	0.0005	-0.0057	0.0127	-0.0037	-0.0096	-0.0073
			Z	0.0040	-0.0308	0.0009	-0.0283	-0.0134	0.0097
AT.	54	O	X	0.0127	-0.0007	0.0006	-0.0081	0.0048	-0.0137
			Y	-0.0005	-0.0057	0.0127	-0.0037	-0.0096	-0.0073
			Z	0.0040	0.0308	-0.0009	0.0283	0.0134	-0.0097
AT.	55	O	X	0.0127	0.0007	0.0006	-0.0081	0.0048	-0.0137
			Y	0.0005	-0.0057	-0.0127	0.0037	0.0096	0.0073
			Z	0.0040	-0.0308	-0.0009	0.0283	0.0134	-0.0097
AT.	56	O	X	-0.0127	0.0007	0.0006	-0.0081	0.0048	-0.0137

	Y	-0.0005	-0.0057	-0.0127	0.0037	0.0096	0.0073
	Z	0.0040	0.0308	0.0009	-0.0283	-0.0134	0.0097
AT. 57 O	X	0.0127	-0.0007	-0.0006	-0.0081	-0.0048	-0.0137
	Y	-0.0005	-0.0057	-0.0127	-0.0037	0.0096	-0.0073
	Z	-0.0040	-0.0308	-0.0009	-0.0283	0.0134	0.0097
AT. 58 O	X	-0.0127	-0.0007	-0.0006	-0.0081	-0.0048	-0.0137
	Y	0.0005	-0.0057	-0.0127	-0.0037	0.0096	-0.0073
	Z	-0.0040	0.0308	0.0009	0.0283	-0.0134	-0.0097
AT. 59 O	X	-0.0127	0.0007	-0.0006	-0.0081	-0.0048	-0.0137
	Y	-0.0005	-0.0057	0.0127	0.0037	-0.0096	0.0073
	Z	-0.0040	-0.0308	0.0009	0.0283	-0.0134	-0.0097
AT. 60 O	X	0.0127	0.0007	-0.0006	-0.0081	-0.0048	-0.0137
	Y	0.0005	-0.0057	0.0127	0.0037	-0.0096	0.0073
	Z	-0.0040	0.0308	-0.0009	-0.0283	0.0134	0.0097
AT. 61 O	X	-0.0174	0.0019	0.0019	-0.0070	-0.0016	-0.0141
	Y	0.0003	-0.0066	0.0192	-0.0132	-0.0151	-0.0014
	Z	0.0011	-0.0244	-0.0121	-0.0109	-0.0078	-0.0022
AT. 62 O	X	0.0174	0.0019	0.0019	-0.0070	-0.0016	-0.0141
	Y	-0.0003	-0.0066	0.0192	-0.0132	-0.0151	-0.0014
	Z	0.0011	0.0244	0.0121	0.0109	0.0078	0.0022
AT. 63 O	X	0.0174	-0.0019	0.0019	-0.0070	-0.0016	-0.0141
	Y	0.0003	-0.0066	-0.0192	0.0132	0.0151	0.0014
	Z	0.0011	-0.0244	0.0121	0.0109	0.0078	0.0022
AT. 64 O	X	-0.0174	-0.0019	0.0019	-0.0070	-0.0016	-0.0141
	Y	-0.0003	-0.0066	-0.0192	0.0132	0.0151	0.0014
	Z	0.0011	0.0244	-0.0121	-0.0109	-0.0078	-0.0022
AT. 65 O	X	0.0174	0.0019	-0.0019	-0.0070	0.0016	-0.0141
	Y	-0.0003	-0.0066	-0.0192	-0.0132	0.0151	-0.0014
	Z	-0.0011	-0.0244	0.0121	-0.0109	0.0078	-0.0022
AT. 66 O	X	-0.0174	0.0019	-0.0019	-0.0070	0.0016	-0.0141
	Y	0.0003	-0.0066	-0.0192	-0.0132	0.0151	-0.0014
	Z	-0.0011	0.0244	-0.0121	0.0109	-0.0078	0.0022
AT. 67 O	X	-0.0174	-0.0019	-0.0019	-0.0070	0.0016	-0.0141
	Y	-0.0003	-0.0066	0.0192	0.0132	-0.0151	0.0014
	Z	-0.0011	-0.0244	-0.0121	0.0109	-0.0078	0.0022
AT. 68 O	X	0.0174	-0.0019	-0.0019	-0.0070	0.0016	-0.0141
	Y	0.0003	-0.0066	0.0192	0.0132	-0.0151	0.0014
	Z	-0.0011	0.0244	0.0121	-0.0109	0.0078	-0.0022
AT. 69 O	X	-0.0056	-0.0017	-0.0029	-0.0068	-0.0004	-0.0185
	Y	0.0002	-0.0034	0.0026	0.0050	-0.0031	-0.0127
	Z	0.0003	-0.0262	-0.0089	-0.0127	-0.0038	-0.0002
AT. 70 O	X	0.0056	-0.0017	-0.0029	-0.0068	-0.0004	-0.0185
	Y	-0.0002	-0.0034	0.0026	0.0050	-0.0031	-0.0127
	Z	0.0003	0.0262	0.0089	0.0127	0.0038	0.0002
AT. 71 O	X	0.0056	0.0017	-0.0029	-0.0068	-0.0004	-0.0185
	Y	0.0002	-0.0034	-0.0026	-0.0050	0.0031	0.0127
	Z	0.0003	-0.0262	0.0089	0.0127	0.0038	0.0002
AT. 72 O	X	-0.0056	0.0017	-0.0029	-0.0068	-0.0004	-0.0185
	Y	-0.0002	-0.0034	-0.0026	-0.0050	0.0031	0.0127
	Z	0.0003	0.0262	-0.0089	-0.0127	-0.0038	-0.0002
AT. 73 O	X	0.0056	-0.0017	0.0029	-0.0068	0.0004	-0.0185
	Y	-0.0002	-0.0034	-0.0026	0.0050	0.0031	-0.0127
	Z	-0.0003	-0.0262	0.0089	-0.0127	0.0038	-0.0002
AT. 74 O	X	-0.0056	-0.0017	0.0029	-0.0068	0.0004	-0.0185
	Y	0.0002	-0.0034	-0.0026	0.0050	0.0031	-0.0127
	Z	-0.0003	0.0262	-0.0089	0.0127	-0.0038	0.0002
AT. 75 O	X	-0.0056	0.0017	0.0029	-0.0068	0.0004	-0.0185
	Y	-0.0002	-0.0034	0.0026	-0.0050	-0.0031	0.0127
	Z	-0.0003	-0.0262	-0.0089	0.0127	-0.0038	0.0002
AT. 76 O	X	0.0056	0.0017	0.0029	-0.0068	0.0004	-0.0185
	Y	0.0002	-0.0034	0.0026	-0.0050	-0.0031	0.0127

		Z	-0.0003	0.0262	0.0089	-0.0127	0.0038	-0.0002
AT.	77 O	X	-0.0122	-0.0003	0.0004	-0.0074	0.0013	-0.0152
		Y	0.0001	-0.0062	0.0133	-0.0040	-0.0056	-0.0077
		Z	0.0020	-0.0322	-0.0078	-0.0175	-0.0082	0.0033
AT.	78 O	X	0.0122	-0.0003	0.0004	-0.0074	0.0013	-0.0152
		Y	-0.0001	-0.0062	0.0133	-0.0040	-0.0056	-0.0077
		Z	0.0020	0.0322	0.0078	0.0175	0.0082	-0.0033
AT.	79 O	X	0.0122	0.0003	0.0004	-0.0074	0.0013	-0.0152
		Y	0.0001	-0.0062	-0.0133	0.0040	0.0056	0.0077
		Z	0.0020	-0.0322	0.0078	0.0175	0.0082	-0.0033
AT.	80 O	X	-0.0122	0.0003	0.0004	-0.0074	0.0013	-0.0152
		Y	-0.0001	-0.0062	-0.0133	0.0040	0.0056	0.0077
		Z	0.0020	0.0322	-0.0078	-0.0175	-0.0082	0.0033
AT.	81 O	X	0.0122	-0.0003	-0.0004	-0.0074	-0.0013	-0.0152
		Y	-0.0001	-0.0062	-0.0133	-0.0040	0.0056	-0.0077
		Z	-0.0020	-0.0322	0.0078	-0.0175	0.0082	0.0033
AT.	82 O	X	-0.0122	-0.0003	-0.0004	-0.0074	-0.0013	-0.0152
		Y	0.0001	-0.0062	-0.0133	-0.0040	0.0056	-0.0077
		Z	-0.0020	0.0322	-0.0078	0.0175	-0.0082	-0.0033
AT.	83 O	X	-0.0122	0.0003	-0.0004	-0.0074	-0.0013	-0.0152
		Y	-0.0001	-0.0062	0.0133	0.0040	-0.0056	0.0077
		Z	-0.0020	-0.0322	-0.0078	0.0175	-0.0082	-0.0033
AT.	84 O	X	0.0122	0.0003	-0.0004	-0.0074	-0.0013	-0.0152
		Y	0.0001	-0.0062	0.0133	0.0040	-0.0056	0.0077
		Z	-0.0020	0.0322	0.0078	-0.0175	0.0082	0.0033
AT.	85 O	X	-0.0288	-0.0017	-0.0015	-0.0042	0.0040	-0.0002
		Y	-0.0003	-0.0031	0.0180	-0.0015	-0.0132	-0.0037
		Z	-0.0009	-0.0148	-0.0144	-0.0079	-0.0223	0.0183
AT.	86 O	X	0.0288	-0.0017	-0.0015	-0.0042	0.0040	-0.0002
		Y	0.0003	-0.0031	0.0180	-0.0015	-0.0132	-0.0037
		Z	-0.0009	0.0148	0.0144	0.0079	0.0223	-0.0183
AT.	87 O	X	0.0288	0.0017	-0.0015	-0.0042	0.0040	-0.0002
		Y	-0.0003	-0.0031	-0.0180	0.0015	0.0132	0.0037
		Z	-0.0009	-0.0148	0.0144	0.0079	0.0223	-0.0183
AT.	88 O	X	-0.0288	0.0017	-0.0015	-0.0042	0.0040	-0.0002
		Y	0.0003	-0.0031	-0.0180	0.0015	0.0132	0.0037
		Z	-0.0009	0.0148	-0.0144	-0.0079	-0.0223	0.0183
AT.	89 O	X	0.0288	-0.0017	0.0015	-0.0042	-0.0040	-0.0002
		Y	0.0003	-0.0031	-0.0180	-0.0015	0.0132	-0.0037
		Z	0.0009	-0.0148	0.0144	-0.0079	0.0223	0.0183
AT.	90 O	X	-0.0288	-0.0017	0.0015	-0.0042	-0.0040	-0.0002
		Y	-0.0003	-0.0031	-0.0180	-0.0015	0.0132	-0.0037
		Z	0.0009	0.0148	-0.0144	0.0079	-0.0223	-0.0183
AT.	91 O	X	-0.0288	0.0017	0.0015	-0.0042	-0.0040	-0.0002
		Y	0.0003	-0.0031	0.0180	0.0015	-0.0132	0.0037
		Z	0.0009	-0.0148	-0.0144	0.0079	-0.0223	-0.0183
AT.	92 O	X	0.0288	0.0017	0.0015	-0.0042	-0.0040	-0.0002
		Y	-0.0003	-0.0031	0.0180	0.0015	-0.0132	0.0037
		Z	0.0009	0.0148	0.0144	-0.0079	0.0223	0.0183
AT.	93 O	X	-0.0344	0.0038	-0.0085	0.0107	0.0029	0.0062
		Y	-0.0020	0.0053	0.0189	0.0046	-0.0148	0.0050
		Z	0.0001	-0.0255	-0.0179	-0.0174	-0.0207	0.0066
AT.	94 O	X	0.0344	0.0038	-0.0085	0.0107	0.0029	0.0062
		Y	0.0020	0.0053	0.0189	0.0046	-0.0148	0.0050
		Z	0.0001	0.0255	0.0179	0.0174	0.0207	-0.0066
AT.	95 O	X	0.0344	-0.0038	-0.0085	0.0107	0.0029	0.0062
		Y	-0.0020	0.0053	-0.0189	-0.0046	0.0148	-0.0050
		Z	0.0001	-0.0255	0.0179	0.0174	0.0207	-0.0066
AT.	96 O	X	-0.0344	-0.0038	-0.0085	0.0107	0.0029	0.0062
		Y	0.0020	0.0053	-0.0189	-0.0046	0.0148	-0.0050
		Z	0.0001	0.0255	-0.0179	-0.0174	-0.0207	0.0066

AT. 97	O	X	0.0344	0.0038	0.0085	0.0107	-0.0029	0.0062
		Y	0.0020	0.0053	-0.0189	0.0046	0.0148	0.0050
		Z	-0.0001	-0.0255	0.0179	-0.0174	0.0207	0.0066
AT. 98	O	X	-0.0344	0.0038	0.0085	0.0107	-0.0029	0.0062
		Y	-0.0020	0.0053	-0.0189	0.0046	0.0148	0.0050
		Z	-0.0001	0.0255	-0.0179	0.0174	-0.0207	-0.0066
AT. 99	O	X	-0.0344	-0.0038	0.0085	0.0107	-0.0029	0.0062
		Y	0.0020	0.0053	0.0189	-0.0046	-0.0148	-0.0050
		Z	-0.0001	-0.0255	-0.0179	0.0174	-0.0207	-0.0066
AT. 100	O	X	0.0344	-0.0038	0.0085	0.0107	-0.0029	0.0062
		Y	-0.0020	0.0053	0.0189	-0.0046	-0.0148	-0.0050
		Z	-0.0001	0.0255	0.0179	-0.0174	0.0207	0.0066
AT. 101	O	X	-0.0367	-0.0040	-0.0009	0.0056	-0.0002	0.0130
		Y	-0.0045	0.0133	0.0183	0.0122	-0.0118	0.0114
		Z	-0.0017	-0.0086	-0.0170	-0.0071	-0.0234	0.0210
AT. 102	O	X	0.0367	-0.0040	-0.0009	0.0056	-0.0002	0.0130
		Y	0.0045	0.0133	0.0183	0.0122	-0.0118	0.0114
		Z	-0.0017	0.0086	0.0170	0.0071	0.0234	-0.0210
AT. 103	O	X	0.0367	0.0040	-0.0009	0.0056	-0.0002	0.0130
		Y	-0.0045	0.0133	-0.0183	-0.0122	0.0118	-0.0114
		Z	-0.0017	-0.0086	0.0170	0.0071	0.0234	-0.0210
AT. 104	O	X	-0.0367	0.0040	-0.0009	0.0056	-0.0002	0.0130
		Y	0.0045	0.0133	-0.0183	-0.0122	0.0118	-0.0114
		Z	-0.0017	0.0086	-0.0170	-0.0071	-0.0234	0.0210
AT. 105	O	X	0.0367	-0.0040	0.0009	0.0056	0.0002	0.0130
		Y	0.0045	0.0133	-0.0183	0.0122	0.0118	0.0114
		Z	0.0017	-0.0086	0.0170	-0.0071	0.0234	0.0210
AT. 106	O	X	-0.0367	-0.0040	0.0009	0.0056	0.0002	0.0130
		Y	-0.0045	0.0133	-0.0183	0.0122	0.0118	0.0114
		Z	0.0017	0.0086	-0.0170	0.0071	-0.0234	-0.0210
AT. 107	O	X	-0.0367	0.0040	0.0009	0.0056	0.0002	0.0130
		Y	0.0045	0.0133	0.0183	-0.0122	-0.0118	-0.0114
		Z	0.0017	-0.0086	-0.0170	0.0071	-0.0234	-0.0210
AT. 108	O	X	0.0367	0.0040	0.0009	0.0056	0.0002	0.0130
		Y	-0.0045	0.0133	0.0183	-0.0122	-0.0118	-0.0114
		Z	0.0017	0.0086	0.0170	-0.0071	0.0234	0.0210
AT. 109	O	X	-0.0336	0.0004	-0.0036	0.0028	0.0016	0.0067
		Y	-0.0026	0.0071	0.0141	0.0093	-0.0142	0.0030
		Z	-0.0030	-0.0198	-0.0110	-0.0046	-0.0269	0.0231
AT. 110	O	X	0.0336	0.0004	-0.0036	0.0028	0.0016	0.0067
		Y	0.0026	0.0071	0.0141	0.0093	-0.0142	0.0030
		Z	-0.0030	0.0198	0.0110	0.0046	0.0269	-0.0231
AT. 111	O	X	0.0336	-0.0004	-0.0036	0.0028	0.0016	0.0067
		Y	-0.0026	0.0071	-0.0141	-0.0093	0.0142	-0.0030
		Z	-0.0030	-0.0198	0.0110	0.0046	0.0269	-0.0231
AT. 112	O	X	-0.0336	-0.0004	-0.0036	0.0028	0.0016	0.0067
		Y	0.0026	0.0071	-0.0141	-0.0093	0.0142	-0.0030
		Z	-0.0030	0.0198	-0.0110	-0.0046	-0.0269	0.0231
AT. 113	O	X	0.0336	0.0004	0.0036	0.0028	-0.0016	0.0067
		Y	0.0026	0.0071	-0.0141	0.0093	0.0142	0.0030
		Z	0.0030	-0.0198	0.0110	-0.0046	0.0269	0.0231
AT. 114	O	X	-0.0336	0.0004	0.0036	0.0028	-0.0016	0.0067
		Y	-0.0026	0.0071	-0.0141	0.0093	0.0142	0.0030
		Z	0.0030	0.0198	-0.0110	0.0046	-0.0269	-0.0231
AT. 115	O	X	-0.0336	-0.0004	0.0036	0.0028	-0.0016	0.0067
		Y	0.0026	0.0071	0.0141	-0.0093	-0.0142	-0.0030
		Z	0.0030	-0.0198	-0.0110	0.0046	-0.0269	-0.0231
AT. 116	O	X	0.0336	-0.0004	0.0036	0.0028	-0.0016	0.0067
		Y	-0.0026	0.0071	0.0141	-0.0093	-0.0142	-0.0030
		Z	0.0030	0.0198	0.0110	-0.0046	0.0269	0.0231
AT. 117	O	X	-0.0438	-0.0090	0.0129	0.0254	-0.0045	0.0249

	Y	-0.0005	0.0141	0.0041	-0.0036	-0.0050	0.0036
	Z	0.0049	0.0093	-0.0397	-0.0198	-0.0116	0.0023
AT. 118 O	X	0.0438	-0.0090	0.0129	0.0254	-0.0045	0.0249
	Y	0.0005	0.0141	0.0041	-0.0036	-0.0050	0.0036
	Z	0.0049	-0.0093	0.0397	0.0198	0.0116	-0.0023
AT. 119 O	X	0.0438	0.0090	0.0129	0.0254	-0.0045	0.0249
	Y	-0.0005	0.0141	-0.0041	0.0036	0.0050	-0.0036
	Z	0.0049	0.0093	0.0397	0.0198	0.0116	-0.0023
AT. 120 O	X	-0.0438	0.0090	0.0129	0.0254	-0.0045	0.0249
	Y	0.0005	0.0141	-0.0041	0.0036	0.0050	-0.0036
	Z	0.0049	-0.0093	-0.0397	-0.0198	-0.0116	0.0023
AT. 121 O	X	0.0438	-0.0090	-0.0129	0.0254	0.0045	0.0249
	Y	0.0005	0.0141	-0.0041	-0.0036	0.0050	0.0036
	Z	-0.0049	0.0093	0.0397	-0.0198	0.0116	0.0023
AT. 122 O	X	-0.0438	-0.0090	-0.0129	0.0254	0.0045	0.0249
	Y	-0.0005	0.0141	-0.0041	-0.0036	0.0050	0.0036
	Z	-0.0049	-0.0093	-0.0397	0.0198	-0.0116	-0.0023
AT. 123 O	X	-0.0438	0.0090	-0.0129	0.0254	0.0045	0.0249
	Y	0.0005	0.0141	0.0041	0.0036	-0.0050	-0.0036
	Z	-0.0049	0.0093	-0.0397	0.0198	-0.0116	-0.0023
AT. 124 O	X	0.0438	0.0090	-0.0129	0.0254	0.0045	0.0249
	Y	-0.0005	0.0141	0.0041	0.0036	-0.0050	-0.0036
	Z	-0.0049	-0.0093	0.0397	-0.0198	0.0116	0.0023

FREQ(CM**-1)	93.81	96.15	97.14	101.39	106.01	106.94
AT. 1 SI X	-0.0007	-0.0143	0.0048	0.0053	0.0058	-0.0073
Y	0.0042	0.0036	-0.0193	0.0092	-0.0117	0.0013
Z	0.0168	-0.0017	0.0056	0.0000	0.0017	-0.0062
AT. 2 SI X	0.0007	-0.0143	0.0048	-0.0053	-0.0058	0.0073
Y	-0.0042	0.0036	-0.0193	-0.0092	0.0117	-0.0013
Z	0.0168	0.0017	-0.0056	0.0000	0.0017	-0.0062
AT. 3 SI X	-0.0007	0.0143	-0.0048	-0.0053	-0.0058	0.0073
Y	-0.0042	0.0036	-0.0193	0.0092	-0.0117	0.0013
Z	-0.0168	-0.0017	0.0056	0.0000	0.0017	-0.0062
AT. 4 SI X	0.0007	0.0143	-0.0048	0.0053	0.0058	-0.0073
Y	0.0042	0.0036	-0.0193	-0.0092	0.0117	-0.0013
Z	-0.0168	0.0017	-0.0056	0.0000	0.0017	-0.0062
AT. 5 SI X	-0.0007	0.0143	0.0048	-0.0053	0.0058	0.0073
Y	0.0042	-0.0036	-0.0193	-0.0092	-0.0117	-0.0013
Z	0.0168	0.0017	0.0056	0.0000	0.0017	0.0062
AT. 6 SI X	0.0007	0.0143	0.0048	0.0053	-0.0058	-0.0073
Y	-0.0042	-0.0036	-0.0193	0.0092	0.0117	0.0013
Z	0.0168	-0.0017	-0.0056	0.0000	0.0017	0.0062
AT. 7 SI X	-0.0007	-0.0143	-0.0048	0.0053	-0.0058	-0.0073
Y	-0.0042	-0.0036	-0.0193	-0.0092	-0.0117	-0.0013
Z	-0.0168	0.0017	0.0056	0.0000	0.0017	0.0062
AT. 8 SI X	0.0007	-0.0143	-0.0048	-0.0053	0.0058	0.0073
Y	0.0042	-0.0036	-0.0193	0.0092	0.0117	0.0013
Z	-0.0168	-0.0017	-0.0056	0.0000	0.0017	0.0062
AT. 9 SI X	-0.0003	-0.0244	0.0007	0.0051	-0.0020	-0.0045
Y	0.0001	0.0030	0.0160	0.0002	0.0103	0.0084
Z	0.0051	-0.0069	0.0021	-0.0253	-0.0063	-0.0083
AT. 10 SI X	0.0003	-0.0244	0.0007	-0.0051	0.0020	0.0045
Y	-0.0001	0.0030	0.0160	-0.0002	-0.0103	-0.0084
Z	0.0051	0.0069	-0.0021	-0.0253	-0.0063	-0.0083
AT. 11 SI X	-0.0003	0.0244	-0.0007	-0.0051	0.0020	0.0045
Y	-0.0001	0.0030	0.0160	0.0002	0.0103	0.0084
Z	-0.0051	-0.0069	0.0021	-0.0253	-0.0063	-0.0083
AT. 12 SI X	0.0003	0.0244	-0.0007	0.0051	-0.0020	-0.0045
Y	0.0001	0.0030	0.0160	-0.0002	-0.0103	-0.0084

	Z	-0.0051	0.0069	-0.0021	-0.0253	-0.0063	-0.0083
AT. 13 SI	X	-0.0003	0.0244	0.0007	-0.0051	-0.0020	0.0045
	Y	0.0001	-0.0030	0.0160	-0.0002	0.0103	-0.0084
	Z	0.0051	0.0069	0.0021	0.0253	-0.0063	0.0083
AT. 14 SI	X	0.0003	0.0244	0.0007	0.0051	0.0020	-0.0045
	Y	-0.0001	-0.0030	0.0160	0.0002	-0.0103	0.0084
	Z	0.0051	-0.0069	-0.0021	0.0253	-0.0063	0.0083
AT. 15 SI	X	-0.0003	-0.0244	-0.0007	0.0051	0.0020	-0.0045
	Y	-0.0001	-0.0030	0.0160	-0.0002	0.0103	-0.0084
	Z	-0.0051	0.0069	0.0021	0.0253	-0.0063	0.0083
AT. 16 SI	X	0.0003	-0.0244	-0.0007	-0.0051	-0.0020	0.0045
	Y	0.0001	-0.0030	0.0160	0.0002	-0.0103	0.0084
	Z	-0.0051	-0.0069	-0.0021	0.0253	-0.0063	0.0083
AT. 17 SI	X	0.0000	0.0000	0.0000	-0.0018	0.0148	0.0093
	Y	-0.0028	0.0065	0.0236	0.0000	0.0000	0.0000
	Z	0.0000	0.0000	0.0000	-0.0254	-0.0172	-0.0145
AT. 18 SI	X	0.0000	0.0000	0.0000	0.0018	-0.0148	-0.0093
	Y	0.0028	0.0065	0.0236	0.0000	0.0000	0.0000
	Z	0.0000	0.0000	0.0000	-0.0254	-0.0172	-0.0145
AT. 19 SI	X	0.0000	0.0000	0.0000	0.0018	0.0148	-0.0093
	Y	-0.0028	-0.0065	0.0236	0.0000	0.0000	0.0000
	Z	0.0000	0.0000	0.0000	0.0254	-0.0172	0.0145
AT. 20 SI	X	0.0000	0.0000	0.0000	-0.0018	-0.0148	0.0093
	Y	0.0028	-0.0065	0.0236	0.0000	0.0000	0.0000
	Z	0.0000	0.0000	0.0000	0.0254	-0.0172	0.0145
AT. 21 CA	X	-0.0028	-0.0179	0.0012	0.0001	0.0014	-0.0080
	Y	-0.0005	-0.0011	-0.0227	-0.0040	-0.0156	-0.0074
	Z	0.0147	-0.0010	0.0066	-0.0109	0.0015	-0.0070
AT. 22 CA	X	0.0028	-0.0179	0.0012	-0.0001	-0.0014	0.0080
	Y	0.0005	-0.0011	-0.0227	0.0040	0.0156	0.0074
	Z	0.0147	0.0010	-0.0066	-0.0109	0.0015	-0.0070
AT. 23 CA	X	-0.0028	0.0179	-0.0012	-0.0001	-0.0014	0.0080
	Y	0.0005	-0.0011	-0.0227	-0.0040	-0.0156	-0.0074
	Z	-0.0147	-0.0010	0.0066	-0.0109	0.0015	-0.0070
AT. 24 CA	X	0.0028	0.0179	-0.0012	0.0001	0.0014	-0.0080
	Y	-0.0005	-0.0011	-0.0227	0.0040	0.0156	0.0074
	Z	-0.0147	0.0010	-0.0066	-0.0109	0.0015	-0.0070
AT. 25 CA	X	-0.0028	0.0179	0.0012	-0.0001	0.0014	0.0080
	Y	-0.0005	0.0011	-0.0227	0.0040	-0.0156	0.0074
	Z	0.0147	0.0010	0.0066	0.0109	0.0015	0.0070
AT. 26 CA	X	0.0028	0.0179	0.0012	0.0001	-0.0014	-0.0080
	Y	0.0005	0.0011	-0.0227	-0.0040	0.0156	-0.0074
	Z	0.0147	-0.0010	-0.0066	0.0109	0.0015	0.0070
AT. 27 CA	X	-0.0028	-0.0179	-0.0012	0.0001	-0.0014	-0.0080
	Y	0.0005	0.0011	-0.0227	0.0040	-0.0156	0.0074
	Z	-0.0147	0.0010	0.0066	0.0109	0.0015	0.0070
AT. 28 CA	X	0.0028	-0.0179	-0.0012	-0.0001	0.0014	0.0080
	Y	-0.0005	0.0011	-0.0227	-0.0040	0.0156	-0.0074
	Z	-0.0147	-0.0010	-0.0066	0.0109	0.0015	0.0070
AT. 29 CA	X	-0.0024	0.0000	0.0064	0.0000	0.0055	0.0000
	Y	-0.0205	0.0000	-0.0346	0.0000	-0.0316	0.0000
	Z	0.0340	0.0000	0.0116	0.0000	0.0172	0.0000
AT. 30 CA	X	0.0024	0.0000	0.0064	0.0000	-0.0055	0.0000
	Y	0.0205	0.0000	-0.0346	0.0000	0.0316	0.0000
	Z	0.0340	0.0000	-0.0116	0.0000	0.0172	0.0000
AT. 31 CA	X	-0.0024	0.0000	-0.0064	0.0000	-0.0055	0.0000
	Y	0.0205	0.0000	-0.0346	0.0000	-0.0316	0.0000
	Z	-0.0340	0.0000	0.0116	0.0000	0.0172	0.0000
AT. 32 CA	X	0.0024	0.0000	-0.0064	0.0000	0.0055	0.0000
	Y	-0.0205	0.0000	-0.0346	0.0000	0.0316	0.0000
	Z	-0.0340	0.0000	-0.0116	0.0000	0.0172	0.0000

AT.	33	CA	X	0.0027	-0.0237	0.0024	0.0044	0.0056	-0.0121
			Y	0.0280	0.0039	0.0016	0.0117	0.0177	-0.0215
			Z	0.0301	-0.0018	0.0056	-0.0113	0.0154	-0.0271
AT.	34	CA	X	-0.0027	-0.0237	0.0024	-0.0044	-0.0056	0.0121
			Y	-0.0280	0.0039	0.0016	-0.0117	-0.0177	0.0215
			Z	0.0301	0.0018	-0.0056	-0.0113	0.0154	-0.0271
AT.	35	CA	X	0.0027	0.0237	-0.0024	-0.0044	-0.0056	0.0121
			Y	-0.0280	0.0039	0.0016	0.0117	0.0177	-0.0215
			Z	-0.0301	-0.0018	0.0056	-0.0113	0.0154	-0.0271
AT.	36	CA	X	-0.0027	0.0237	-0.0024	0.0044	0.0056	-0.0121
			Y	0.0280	0.0039	0.0016	-0.0117	-0.0177	0.0215
			Z	-0.0301	0.0018	-0.0056	-0.0113	0.0154	-0.0271
AT.	37	CA	X	0.0027	0.0237	0.0024	-0.0044	0.0056	0.0121
			Y	0.0280	-0.0039	0.0016	-0.0117	0.0177	0.0215
			Z	0.0301	0.0018	0.0056	0.0113	0.0154	0.0271
AT.	38	CA	X	-0.0027	0.0237	0.0024	0.0044	-0.0056	-0.0121
			Y	-0.0280	-0.0039	0.0016	0.0117	-0.0177	-0.0215
			Z	0.0301	-0.0018	-0.0056	0.0113	0.0154	0.0271
AT.	39	CA	X	0.0027	-0.0237	-0.0024	0.0044	-0.0056	-0.0121
			Y	-0.0280	-0.0039	0.0016	-0.0117	0.0177	0.0215
			Z	-0.0301	0.0018	0.0056	0.0113	0.0154	0.0271
AT.	40	CA	X	-0.0027	-0.0237	-0.0024	-0.0044	0.0056	0.0121
			Y	0.0280	-0.0039	0.0016	0.0117	-0.0177	-0.0215
			Z	-0.0301	-0.0018	-0.0056	0.0113	0.0154	0.0271
AT.	41	CA	X	0.0017	-0.0241	0.0001	0.0024	-0.0043	-0.0086
			Y	0.0063	0.0035	0.0152	-0.0025	0.0150	0.0007
			Z	0.0084	-0.0065	0.0020	0.0244	-0.0043	-0.0131
AT.	42	CA	X	-0.0017	-0.0241	0.0001	-0.0024	0.0043	0.0086
			Y	-0.0063	0.0035	0.0152	0.0025	-0.0150	-0.0007
			Z	0.0084	0.0065	-0.0020	0.0244	-0.0043	-0.0131
AT.	43	CA	X	0.0017	0.0241	-0.0001	-0.0024	0.0043	0.0086
			Y	-0.0063	0.0035	0.0152	-0.0025	0.0150	0.0007
			Z	-0.0084	-0.0065	0.0020	0.0244	-0.0043	-0.0131
AT.	44	CA	X	-0.0017	0.0241	-0.0001	0.0024	-0.0043	-0.0086
			Y	0.0063	0.0035	0.0152	0.0025	-0.0150	-0.0007
			Z	-0.0084	0.0065	-0.0020	0.0244	-0.0043	-0.0131
AT.	45	CA	X	0.0017	0.0241	0.0001	-0.0024	-0.0043	0.0086
			Y	0.0063	-0.0035	0.0152	0.0025	0.0150	-0.0007
			Z	0.0084	0.0065	0.0020	-0.0244	-0.0043	0.0131
AT.	46	CA	X	-0.0017	0.0241	0.0001	0.0024	0.0043	-0.0086
			Y	-0.0063	-0.0035	0.0152	-0.0025	-0.0150	0.0007
			Z	0.0084	-0.0065	-0.0020	-0.0244	-0.0043	0.0131
AT.	47	CA	X	0.0017	-0.0241	-0.0001	0.0024	0.0043	-0.0086
			Y	-0.0063	-0.0035	0.0152	0.0025	0.0150	-0.0007
			Z	-0.0084	0.0065	0.0020	-0.0244	-0.0043	0.0131
AT.	48	CA	X	-0.0017	-0.0241	-0.0001	-0.0024	-0.0043	0.0086
			Y	0.0063	-0.0035	0.0152	-0.0025	-0.0150	0.0007
			Z	-0.0084	-0.0065	-0.0020	-0.0244	-0.0043	0.0131
AT.	49	CA	X	0.0000	0.0000	0.0000	-0.0158	-0.0019	0.0198
			Y	-0.0050	-0.0092	0.0249	0.0000	0.0000	0.0000
			Z	0.0000	0.0000	0.0000	-0.0121	0.0014	-0.0138
AT.	50	CA	X	0.0000	0.0000	0.0000	0.0158	0.0019	-0.0198
			Y	0.0050	-0.0092	0.0249	0.0000	0.0000	0.0000
			Z	0.0000	0.0000	0.0000	-0.0121	0.0014	-0.0138
AT.	51	CA	X	0.0000	0.0000	0.0000	0.0158	-0.0019	-0.0198
			Y	-0.0050	0.0092	0.0249	0.0000	0.0000	0.0000
			Z	0.0000	0.0000	0.0000	0.0121	0.0014	0.0138
AT.	52	CA	X	0.0000	0.0000	0.0000	-0.0158	0.0019	0.0198
			Y	0.0050	0.0092	0.0249	0.0000	0.0000	0.0000
			Z	0.0000	0.0000	0.0000	0.0121	0.0014	0.0138
AT.	53	O	X	0.0014	-0.0128	0.0054	0.0081	0.0066	-0.0004

		Y	0.0038	0.0031	-0.0193	0.0077	-0.0114	-0.0027
		Z	0.0305	0.0031	0.0129	-0.0058	0.0144	-0.0119
AT.	54 O	X	-0.0014	-0.0128	0.0054	-0.0081	-0.0066	0.0004
		Y	-0.0038	0.0031	-0.0193	-0.0077	0.0114	0.0027
		Z	0.0305	-0.0031	-0.0129	-0.0058	0.0144	-0.0119
AT.	55 O	X	0.0014	0.0128	-0.0054	-0.0081	-0.0066	0.0004
		Y	-0.0038	0.0031	-0.0193	0.0077	-0.0114	-0.0027
		Z	-0.0305	0.0031	0.0129	-0.0058	0.0144	-0.0119
AT.	56 O	X	-0.0014	0.0128	-0.0054	0.0081	0.0066	-0.0004
		Y	0.0038	0.0031	-0.0193	-0.0077	0.0114	0.0027
		Z	-0.0305	-0.0031	-0.0129	-0.0058	0.0144	-0.0119
AT.	57 O	X	0.0014	0.0128	0.0054	-0.0081	0.0066	0.0004
		Y	0.0038	-0.0031	-0.0193	-0.0077	-0.0114	0.0027
		Z	0.0305	-0.0031	0.0129	0.0058	0.0144	0.0119
AT.	58 O	X	-0.0014	0.0128	0.0054	0.0081	-0.0066	-0.0004
		Y	-0.0038	-0.0031	-0.0193	0.0077	0.0114	-0.0027
		Z	0.0305	0.0031	-0.0129	0.0058	0.0144	0.0119
AT.	59 O	X	0.0014	-0.0128	-0.0054	0.0081	-0.0066	-0.0004
		Y	-0.0038	-0.0031	-0.0193	-0.0077	-0.0114	0.0027
		Z	-0.0305	-0.0031	0.0129	0.0058	0.0144	0.0119
AT.	60 O	X	-0.0014	-0.0128	-0.0054	-0.0081	0.0066	0.0004
		Y	0.0038	-0.0031	-0.0193	0.0077	0.0114	-0.0027
		Z	-0.0305	0.0031	-0.0129	0.0058	0.0144	0.0119
AT.	61 O	X	0.0007	-0.0214	0.0076	0.0133	0.0066	-0.0153
		Y	0.0157	0.0062	-0.0102	0.0057	0.0010	-0.0083
		Z	0.0096	-0.0069	0.0025	0.0068	-0.0052	-0.0049
AT.	62 O	X	-0.0007	-0.0214	0.0076	-0.0133	-0.0066	0.0153
		Y	-0.0157	0.0062	-0.0102	-0.0057	-0.0010	0.0083
		Z	0.0096	0.0069	-0.0025	0.0068	-0.0052	-0.0049
AT.	63 O	X	0.0007	0.0214	-0.0076	-0.0133	-0.0066	0.0153
		Y	-0.0157	0.0062	-0.0102	0.0057	0.0010	-0.0083
		Z	-0.0096	-0.0069	0.0025	0.0068	-0.0052	-0.0049
AT.	64 O	X	-0.0007	0.0214	-0.0076	0.0133	0.0066	-0.0153
		Y	0.0157	0.0062	-0.0102	-0.0057	-0.0010	0.0083
		Z	-0.0096	0.0069	-0.0025	0.0068	-0.0052	-0.0049
AT.	65 O	X	0.0007	0.0214	0.0076	-0.0133	0.0066	0.0153
		Y	0.0157	-0.0062	-0.0102	-0.0057	0.0010	0.0083
		Z	0.0096	0.0069	0.0025	-0.0068	-0.0052	0.0049
AT.	66 O	X	-0.0007	0.0214	0.0076	0.0133	-0.0066	-0.0153
		Y	-0.0157	-0.0062	-0.0102	0.0057	-0.0010	-0.0083
		Z	0.0096	-0.0069	-0.0025	-0.0068	-0.0052	0.0049
AT.	67 O	X	0.0007	-0.0214	-0.0076	0.0133	-0.0066	-0.0153
		Y	-0.0157	-0.0062	-0.0102	-0.0057	0.0010	0.0083
		Z	-0.0096	0.0069	0.0025	-0.0068	-0.0052	0.0049
AT.	68 O	X	-0.0007	-0.0214	-0.0076	-0.0133	0.0066	0.0153
		Y	0.0157	-0.0062	-0.0102	0.0057	-0.0010	-0.0083
		Z	-0.0096	-0.0069	-0.0025	-0.0068	-0.0052	0.0049
AT.	69 O	X	-0.0044	-0.0070	0.0012	-0.0026	0.0027	-0.0068
		Y	-0.0075	0.0002	-0.0257	0.0117	-0.0217	0.0050
		Z	0.0120	-0.0068	0.0046	0.0056	-0.0020	-0.0035
AT.	70 O	X	0.0044	-0.0070	0.0012	0.0026	-0.0027	0.0068
		Y	0.0075	0.0002	-0.0257	-0.0117	0.0217	-0.0050
		Z	0.0120	0.0068	-0.0046	0.0056	-0.0020	-0.0035
AT.	71 O	X	-0.0044	0.0070	-0.0012	0.0026	-0.0027	0.0068
		Y	0.0075	0.0002	-0.0257	0.0117	-0.0217	0.0050
		Z	-0.0120	-0.0068	0.0046	0.0056	-0.0020	-0.0035
AT.	72 O	X	0.0044	0.0070	-0.0012	-0.0026	0.0027	-0.0068
		Y	-0.0075	0.0002	-0.0257	-0.0117	0.0217	-0.0050
		Z	-0.0120	0.0068	-0.0046	0.0056	-0.0020	-0.0035
AT.	73 O	X	-0.0044	0.0070	0.0012	0.0026	0.0027	0.0068
		Y	-0.0075	-0.0002	-0.0257	-0.0117	-0.0217	-0.0050

		Z	0.0120	0.0068	0.0046	-0.0056	-0.0020	0.0035
AT.	74 O	X	0.0044	0.0070	0.0012	-0.0026	-0.0027	-0.0068
		Y	0.0075	-0.0002	-0.0257	0.0117	0.0217	0.0050
		Z	0.0120	-0.0068	-0.0046	-0.0056	-0.0020	0.0035
AT.	75 O	X	-0.0044	-0.0070	-0.0012	-0.0026	-0.0027	-0.0068
		Y	0.0075	-0.0002	-0.0257	-0.0117	-0.0217	-0.0050
		Z	-0.0120	0.0068	0.0046	-0.0056	-0.0020	0.0035
AT.	76 O	X	0.0044	-0.0070	-0.0012	0.0026	0.0027	0.0068
		Y	-0.0075	-0.0002	-0.0257	0.0117	0.0217	0.0050
		Z	-0.0120	-0.0068	-0.0046	-0.0056	-0.0020	0.0035
AT.	77 O	X	-0.0007	-0.0142	0.0048	0.0056	0.0057	-0.0076
		Y	0.0057	0.0053	-0.0177	0.0112	-0.0106	0.0037
		Z	0.0159	-0.0008	0.0044	-0.0081	0.0030	-0.0055
AT.	78 O	X	0.0007	-0.0142	0.0048	-0.0056	-0.0057	0.0076
		Y	-0.0057	0.0053	-0.0177	-0.0112	0.0106	-0.0037
		Z	0.0159	0.0008	-0.0044	-0.0081	0.0030	-0.0055
AT.	79 O	X	-0.0007	0.0142	-0.0048	-0.0056	-0.0057	0.0076
		Y	-0.0057	0.0053	-0.0177	0.0112	-0.0106	0.0037
		Z	-0.0159	-0.0008	0.0044	-0.0081	0.0030	-0.0055
AT.	80 O	X	0.0007	0.0142	-0.0048	0.0056	0.0057	-0.0076
		Y	0.0057	0.0053	-0.0177	-0.0112	0.0106	-0.0037
		Z	-0.0159	0.0008	-0.0044	-0.0081	0.0030	-0.0055
AT.	81 O	X	-0.0007	0.0142	0.0048	-0.0056	0.0057	0.0076
		Y	0.0057	-0.0053	-0.0177	-0.0112	-0.0106	-0.0037
		Z	0.0159	0.0008	0.0044	0.0081	0.0030	0.0055
AT.	82 O	X	0.0007	0.0142	0.0048	0.0056	-0.0057	-0.0076
		Y	-0.0057	-0.0053	-0.0177	0.0112	0.0106	0.0037
		Z	0.0159	-0.0008	-0.0044	0.0081	0.0030	0.0055
AT.	83 O	X	-0.0007	-0.0142	-0.0048	0.0056	-0.0057	-0.0076
		Y	-0.0057	-0.0053	-0.0177	-0.0112	-0.0106	-0.0037
		Z	-0.0159	0.0008	0.0044	0.0081	0.0030	0.0055
AT.	84 O	X	0.0007	-0.0142	-0.0048	-0.0056	0.0057	0.0076
		Y	0.0057	-0.0053	-0.0177	0.0112	0.0106	0.0037
		Z	-0.0159	-0.0008	-0.0044	0.0081	0.0030	0.0055
AT.	85 O	X	0.0042	-0.0245	-0.0013	0.0109	-0.0008	-0.0110
		Y	0.0088	-0.0018	0.0074	0.0121	0.0041	-0.0042
		Z	0.0034	-0.0042	0.0052	-0.0281	-0.0015	-0.0057
AT.	86 O	X	-0.0042	-0.0245	-0.0013	-0.0109	0.0008	0.0110
		Y	-0.0088	-0.0018	0.0074	-0.0121	-0.0041	0.0042
		Z	0.0034	0.0042	-0.0052	-0.0281	-0.0015	-0.0057
AT.	87 O	X	0.0042	0.0245	0.0013	-0.0109	0.0008	0.0110
		Y	-0.0088	-0.0018	0.0074	0.0121	0.0041	-0.0042
		Z	-0.0034	-0.0042	0.0052	-0.0281	-0.0015	-0.0057
AT.	88 O	X	-0.0042	0.0245	0.0013	0.0109	-0.0008	-0.0110
		Y	0.0088	-0.0018	0.0074	-0.0121	-0.0041	0.0042
		Z	-0.0034	0.0042	-0.0052	-0.0281	-0.0015	-0.0057
AT.	89 O	X	0.0042	0.0245	-0.0013	-0.0109	-0.0008	0.0110
		Y	0.0088	0.0018	0.0074	-0.0121	0.0041	0.0042
		Z	0.0034	0.0042	0.0052	0.0281	-0.0015	0.0057
AT.	90 O	X	-0.0042	0.0245	-0.0013	0.0109	0.0008	-0.0110
		Y	-0.0088	0.0018	0.0074	0.0121	-0.0041	-0.0042
		Z	0.0034	-0.0042	-0.0052	0.0281	-0.0015	0.0057
AT.	91 O	X	0.0042	-0.0245	0.0013	0.0109	0.0008	-0.0110
		Y	-0.0088	0.0018	0.0074	-0.0121	0.0041	0.0042
		Z	-0.0034	0.0042	0.0052	0.0281	-0.0015	0.0057
AT.	92 O	X	-0.0042	-0.0245	0.0013	-0.0109	-0.0008	0.0110
		Y	0.0088	0.0018	0.0074	0.0121	-0.0041	-0.0042
		Z	-0.0034	-0.0042	-0.0052	0.0281	-0.0015	0.0057
AT.	93 O	X	-0.0065	-0.0297	0.0008	0.0058	-0.0114	0.0015
		Y	0.0024	0.0054	0.0161	-0.0021	0.0136	0.0069
		Z	0.0164	-0.0127	-0.0013	-0.0048	-0.0121	-0.0204

AT.	94	O	X	0.0065	-0.0297	0.0008	-0.0058	0.0114	-0.0015
			Y	-0.0024	0.0054	0.0161	0.0021	-0.0136	-0.0069
			Z	0.0164	0.0127	0.0013	-0.0048	-0.0121	-0.0204
AT.	95	O	X	-0.0065	0.0297	-0.0008	-0.0058	0.0114	-0.0015
			Y	-0.0024	0.0054	0.0161	-0.0021	0.0136	0.0069
			Z	-0.0164	-0.0127	-0.0013	-0.0048	-0.0121	-0.0204
AT.	96	O	X	0.0065	0.0297	-0.0008	0.0058	-0.0114	0.0015
			Y	0.0024	0.0054	0.0161	0.0021	-0.0136	-0.0069
			Z	-0.0164	0.0127	0.0013	-0.0048	-0.0121	-0.0204
AT.	97	O	X	-0.0065	0.0297	0.0008	-0.0058	-0.0114	-0.0015
			Y	0.0024	-0.0054	0.0161	0.0021	0.0136	-0.0069
			Z	0.0164	0.0127	-0.0013	0.0048	-0.0121	0.0204
AT.	98	O	X	0.0065	0.0297	0.0008	0.0058	0.0114	0.0015
			Y	-0.0024	-0.0054	0.0161	-0.0021	-0.0136	0.0069
			Z	0.0164	-0.0127	0.0013	0.0048	-0.0121	0.0204
AT.	99	O	X	-0.0065	-0.0297	-0.0008	0.0058	0.0114	0.0015
			Y	-0.0024	-0.0054	0.0161	0.0021	0.0136	-0.0069
			Z	-0.0164	0.0127	-0.0013	0.0048	-0.0121	0.0204
AT.	100	O	X	0.0065	-0.0297	-0.0008	-0.0058	-0.0114	-0.0015
			Y	0.0024	-0.0054	0.0161	-0.0021	-0.0136	0.0069
			Z	-0.0164	-0.0127	0.0013	0.0048	-0.0121	0.0204
AT.	101	O	X	-0.0001	-0.0127	0.0031	0.0027	0.0059	-0.0004
			Y	-0.0045	0.0088	0.0222	-0.0114	0.0196	0.0167
			Z	-0.0008	-0.0086	0.0039	-0.0318	-0.0028	-0.0059
AT.	102	O	X	0.0001	-0.0127	0.0031	-0.0027	-0.0059	0.0004
			Y	0.0045	0.0088	0.0222	0.0114	-0.0196	-0.0167
			Z	-0.0008	0.0086	-0.0039	-0.0318	-0.0028	-0.0059
AT.	103	O	X	-0.0001	0.0127	-0.0031	-0.0027	-0.0059	0.0004
			Y	0.0045	0.0088	0.0222	-0.0114	0.0196	0.0167
			Z	0.0008	-0.0086	0.0039	-0.0318	-0.0028	-0.0059
AT.	104	O	X	0.0001	0.0127	-0.0031	0.0027	0.0059	-0.0004
			Y	-0.0045	0.0088	0.0222	0.0114	-0.0196	-0.0167
			Z	0.0008	0.0086	-0.0039	-0.0318	-0.0028	-0.0059
AT.	105	O	X	-0.0001	0.0127	0.0031	-0.0027	0.0059	0.0004
			Y	-0.0045	-0.0088	0.0222	0.0114	0.0196	-0.0167
			Z	-0.0008	0.0086	0.0039	0.0318	-0.0028	0.0059
AT.	106	O	X	0.0001	0.0127	0.0031	0.0027	-0.0059	-0.0004
			Y	0.0045	-0.0088	0.0222	-0.0114	-0.0196	0.0167
			Z	-0.0008	-0.0086	-0.0039	0.0318	-0.0028	0.0059
AT.	107	O	X	-0.0001	-0.0127	-0.0031	0.0027	-0.0059	-0.0004
			Y	0.0045	-0.0088	0.0222	0.0114	0.0196	-0.0167
			Z	0.0008	0.0086	0.0039	0.0318	-0.0028	0.0059
AT.	108	O	X	0.0001	-0.0127	-0.0031	-0.0027	0.0059	0.0004
			Y	-0.0045	-0.0088	0.0222	-0.0114	-0.0196	0.0167
			Z	0.0008	-0.0086	-0.0039	0.0318	-0.0028	0.0059
AT.	109	O	X	-0.0005	-0.0245	0.0011	0.0060	-0.0013	-0.0049
			Y	-0.0013	-0.0023	0.0153	0.0003	0.0042	0.0094
			Z	0.0053	0.0003	0.0059	-0.0295	0.0037	-0.0017
AT.	110	O	X	0.0005	-0.0245	0.0011	-0.0060	0.0013	0.0049
			Y	0.0013	-0.0023	0.0153	-0.0003	-0.0042	-0.0094
			Z	0.0053	-0.0003	-0.0059	-0.0295	0.0037	-0.0017
AT.	111	O	X	-0.0005	0.0245	-0.0011	-0.0060	0.0013	0.0049
			Y	0.0013	-0.0023	0.0153	0.0003	0.0042	0.0094
			Z	-0.0053	0.0003	0.0059	-0.0295	0.0037	-0.0017
AT.	112	O	X	0.0005	0.0245	-0.0011	0.0060	-0.0013	-0.0049
			Y	-0.0013	-0.0023	0.0153	-0.0003	-0.0042	-0.0094
			Z	-0.0053	-0.0003	-0.0059	-0.0295	0.0037	-0.0017
AT.	113	O	X	-0.0005	0.0245	0.0011	-0.0060	-0.0013	0.0049
			Y	-0.0013	0.0023	0.0153	-0.0003	0.0042	-0.0094
			Z	0.0053	-0.0003	0.0059	0.0295	0.0037	0.0017
AT.	114	O	X	0.0005	0.0245	0.0011	0.0060	0.0013	-0.0049

	Y	0.0013	0.0023	0.0153	0.0003	-0.0042	0.0094
	Z	0.0053	0.0003	-0.0059	0.0295	0.0037	0.0017
AT. 115 O	X	-0.0005	-0.0245	-0.0011	0.0060	0.0013	-0.0049
	Y	0.0013	0.0023	0.0153	-0.0003	0.0042	-0.0094
	Z	-0.0053	-0.0003	0.0059	0.0295	0.0037	0.0017
AT. 116 O	X	0.0005	-0.0245	-0.0011	-0.0060	-0.0013	0.0049
	Y	-0.0013	0.0023	0.0153	0.0003	-0.0042	0.0094
	Z	-0.0053	0.0003	-0.0059	0.0295	0.0037	0.0017
AT. 117 O	X	-0.0072	-0.0181	0.0027	-0.0078	0.0245	0.0235
	Y	-0.0019	0.0091	0.0223	-0.0038	0.0023	-0.0031
	Z	0.0063	0.0143	-0.0012	-0.0150	-0.0291	-0.0263
AT. 118 O	X	0.0072	-0.0181	0.0027	0.0078	-0.0245	-0.0235
	Y	0.0019	0.0091	0.0223	0.0038	-0.0023	0.0031
	Z	0.0063	-0.0143	0.0012	-0.0150	-0.0291	-0.0263
AT. 119 O	X	-0.0072	0.0181	-0.0027	0.0078	-0.0245	-0.0235
	Y	0.0019	0.0091	0.0223	-0.0038	0.0023	-0.0031
	Z	-0.0063	0.0143	-0.0012	-0.0150	-0.0291	-0.0263
AT. 120 O	X	0.0072	0.0181	-0.0027	-0.0078	0.0245	0.0235
	Y	-0.0019	0.0091	0.0223	0.0038	-0.0023	0.0031
	Z	-0.0063	-0.0143	0.0012	-0.0150	-0.0291	-0.0263
AT. 121 O	X	-0.0072	0.0181	0.0027	0.0078	0.0245	-0.0235
	Y	-0.0019	-0.0091	0.0223	0.0038	0.0023	0.0031
	Z	0.0063	-0.0143	-0.0012	0.0150	-0.0291	0.0263
AT. 122 O	X	0.0072	0.0181	0.0027	-0.0078	-0.0245	0.0235
	Y	0.0019	-0.0091	0.0223	-0.0038	-0.0023	-0.0031
	Z	0.0063	0.0143	0.0012	0.0150	-0.0291	0.0263
AT. 123 O	X	-0.0072	-0.0181	-0.0027	-0.0078	-0.0245	0.0235
	Y	0.0019	-0.0091	0.0223	0.0038	0.0023	0.0031
	Z	-0.0063	-0.0143	-0.0012	0.0150	-0.0291	0.0263
AT. 124 O	X	0.0072	-0.0181	-0.0027	0.0078	0.0245	-0.0235
	Y	-0.0019	-0.0091	0.0223	-0.0038	-0.0023	-0.0031
	Z	-0.0063	0.0143	0.0012	0.0150	-0.0291	0.0263

FREQ(CM**-1)	111.37	112.99	113.11	117.65	119.20	120.18
AT. 1 SI X	-0.0098	0.0073	0.0168	0.0047	-0.0041	-0.0076
Y	0.0134	0.0122	0.0053	0.0014	0.0071	-0.0062
Z	0.0060	-0.0104	-0.0005	-0.0044	0.0074	0.0058
AT. 2 SI X	-0.0098	0.0073	-0.0168	0.0047	0.0041	0.0076
Y	0.0134	0.0122	-0.0053	0.0014	-0.0071	0.0062
Z	-0.0060	0.0104	-0.0005	0.0044	0.0074	0.0058
AT. 3 SI X	-0.0098	-0.0073	-0.0168	0.0047	-0.0041	-0.0076
Y	-0.0134	0.0122	0.0053	-0.0014	-0.0071	0.0062
Z	-0.0060	-0.0104	-0.0005	0.0044	-0.0074	-0.0058
AT. 4 SI X	-0.0098	-0.0073	0.0168	0.0047	0.0041	0.0076
Y	-0.0134	0.0122	-0.0053	-0.0014	0.0071	-0.0062
Z	0.0060	0.0104	-0.0005	-0.0044	-0.0074	-0.0058
AT. 5 SI X	-0.0098	-0.0073	0.0168	-0.0047	0.0041	-0.0076
Y	0.0134	-0.0122	0.0053	-0.0014	-0.0071	-0.0062
Z	0.0060	0.0104	-0.0005	0.0044	-0.0074	0.0058
AT. 6 SI X	-0.0098	-0.0073	-0.0168	-0.0047	-0.0041	0.0076
Y	0.0134	-0.0122	-0.0053	-0.0014	0.0071	0.0062
Z	-0.0060	-0.0104	-0.0005	-0.0044	-0.0074	0.0058
AT. 7 SI X	-0.0098	0.0073	-0.0168	-0.0047	0.0041	-0.0076
Y	-0.0134	-0.0122	0.0053	0.0014	0.0071	0.0062
Z	-0.0060	0.0104	-0.0005	-0.0044	0.0074	-0.0058
AT. 8 SI X	-0.0098	0.0073	0.0168	-0.0047	-0.0041	0.0076
Y	-0.0134	-0.0122	-0.0053	0.0014	-0.0071	-0.0062
Z	0.0060	-0.0104	-0.0005	0.0044	0.0074	-0.0058
AT. 9 SI X	0.0101	0.0046	0.0197	0.0217	-0.0042	0.0100
Y	0.0045	0.0094	0.0018	0.0032	-0.0036	-0.0079

	Z	-0.0125	-0.0098	0.0025	0.0025	0.0141	0.0193
AT. 10 SI	X	0.0101	0.0046	-0.0197	0.0217	0.0042	-0.0100
	Y	0.0045	0.0094	-0.0018	0.0032	0.0036	0.0079
	Z	0.0125	0.0098	0.0025	-0.0025	0.0141	0.0193
AT. 11 SI	X	0.0101	-0.0046	-0.0197	0.0217	-0.0042	0.0100
	Y	-0.0045	0.0094	0.0018	-0.0032	0.0036	0.0079
	Z	0.0125	-0.0098	0.0025	-0.0025	-0.0141	-0.0193
AT. 12 SI	X	0.0101	-0.0046	0.0197	0.0217	0.0042	-0.0100
	Y	-0.0045	0.0094	-0.0018	-0.0032	-0.0036	-0.0079
	Z	-0.0125	0.0098	0.0025	0.0025	-0.0141	-0.0193
AT. 13 SI	X	0.0101	-0.0046	0.0197	-0.0217	0.0042	0.0100
	Y	0.0045	-0.0094	0.0018	-0.0032	0.0036	-0.0079
	Z	-0.0125	0.0098	0.0025	-0.0025	-0.0141	0.0193
AT. 14 SI	X	0.0101	-0.0046	-0.0197	-0.0217	-0.0042	-0.0100
	Y	0.0045	-0.0094	-0.0018	-0.0032	-0.0036	0.0079
	Z	0.0125	-0.0098	0.0025	0.0025	-0.0141	0.0193
AT. 15 SI	X	0.0101	0.0046	-0.0197	-0.0217	0.0042	0.0100
	Y	-0.0045	-0.0094	0.0018	0.0032	-0.0036	0.0079
	Z	0.0125	0.0098	0.0025	0.0025	0.0141	-0.0193
AT. 16 SI	X	0.0101	0.0046	0.0197	-0.0217	-0.0042	-0.0100
	Y	-0.0045	-0.0094	-0.0018	0.0032	0.0036	-0.0079
	Z	-0.0125	-0.0098	0.0025	-0.0025	0.0141	-0.0193
AT. 17 SI	X	0.0126	0.0000	0.0106	0.0158	0.0000	0.0000
	Y	0.0000	0.0161	0.0000	0.0000	-0.0179	-0.0245
	Z	-0.0210	0.0000	0.0001	-0.0027	0.0000	0.0000
AT. 18 SI	X	0.0126	0.0000	-0.0106	0.0158	0.0000	0.0000
	Y	0.0000	0.0161	0.0000	0.0000	0.0179	0.0245
	Z	0.0210	0.0000	0.0001	0.0027	0.0000	0.0000
AT. 19 SI	X	0.0126	0.0000	0.0106	-0.0158	0.0000	0.0000
	Y	0.0000	-0.0161	0.0000	0.0000	0.0179	-0.0245
	Z	-0.0210	0.0000	0.0001	0.0027	0.0000	0.0000
AT. 20 SI	X	0.0126	0.0000	-0.0106	-0.0158	0.0000	0.0000
	Y	0.0000	-0.0161	0.0000	0.0000	-0.0179	0.0245
	Z	0.0210	0.0000	0.0001	-0.0027	0.0000	0.0000
AT. 21 CA	X	-0.0196	-0.0003	0.0052	0.0046	0.0012	-0.0032
	Y	0.0011	0.0006	-0.0029	-0.0022	0.0143	0.0015
	Z	-0.0028	0.0186	-0.0011	0.0025	0.0055	0.0015
AT. 22 CA	X	-0.0196	-0.0003	-0.0052	0.0046	-0.0012	0.0032
	Y	0.0011	0.0006	0.0029	-0.0022	-0.0143	-0.0015
	Z	0.0028	-0.0186	-0.0011	-0.0025	0.0055	0.0015
AT. 23 CA	X	-0.0196	0.0003	-0.0052	0.0046	0.0012	-0.0032
	Y	-0.0011	0.0006	-0.0029	0.0022	-0.0143	-0.0015
	Z	0.0028	0.0186	-0.0011	-0.0025	-0.0055	-0.0015
AT. 24 CA	X	-0.0196	0.0003	0.0052	0.0046	-0.0012	0.0032
	Y	-0.0011	0.0006	0.0029	0.0022	0.0143	0.0015
	Z	-0.0028	-0.0186	-0.0011	0.0025	-0.0055	-0.0015
AT. 25 CA	X	-0.0196	0.0003	0.0052	-0.0046	-0.0012	-0.0032
	Y	0.0011	-0.0006	-0.0029	0.0022	-0.0143	0.0015
	Z	-0.0028	-0.0186	-0.0011	-0.0025	-0.0055	0.0015
AT. 26 CA	X	-0.0196	0.0003	-0.0052	-0.0046	0.0012	0.0032
	Y	0.0011	-0.0006	0.0029	0.0022	0.0143	-0.0015
	Z	0.0028	0.0186	-0.0011	0.0025	-0.0055	0.0015
AT. 27 CA	X	-0.0196	-0.0003	-0.0052	-0.0046	-0.0012	-0.0032
	Y	-0.0011	-0.0006	-0.0029	-0.0022	0.0143	-0.0015
	Z	0.0028	-0.0186	-0.0011	0.0025	0.0055	-0.0015
AT. 28 CA	X	-0.0196	-0.0003	0.0052	-0.0046	0.0012	0.0032
	Y	-0.0011	-0.0006	0.0029	-0.0022	-0.0143	0.0015
	Z	-0.0028	0.0186	-0.0011	-0.0025	0.0055	-0.0015
AT. 29 CA	X	-0.0174	0.0000	0.0227	0.0000	0.0000	-0.0110
	Y	0.0141	0.0000	-0.0011	0.0000	0.0000	-0.0030
	Z	0.0101	0.0000	-0.0022	0.0000	0.0000	0.0040

AT.	30 CA	X	-0.0174	0.0000	-0.0227	0.0000	0.0000	0.0110
		Y	0.0141	0.0000	0.0011	0.0000	0.0000	0.0030
		Z	-0.0101	0.0000	-0.0022	0.0000	0.0000	0.0040
AT.	31 CA	X	-0.0174	0.0000	-0.0227	0.0000	0.0000	-0.0110
		Y	-0.0141	0.0000	-0.0011	0.0000	0.0000	0.0030
		Z	-0.0101	0.0000	-0.0022	0.0000	0.0000	-0.0040
AT.	32 CA	X	-0.0174	0.0000	0.0227	0.0000	0.0000	0.0110
		Y	-0.0141	0.0000	0.0011	0.0000	0.0000	-0.0030
		Z	0.0101	0.0000	-0.0022	0.0000	0.0000	-0.0040
AT.	33 CA	X	0.0026	0.0106	0.0202	0.0155	-0.0026	0.0009
		Y	0.0172	0.0331	-0.0043	-0.0050	0.0248	-0.0178
		Z	0.0037	0.0056	-0.0029	-0.0030	0.0254	0.0037
AT.	34 CA	X	0.0026	0.0106	-0.0202	0.0155	0.0026	-0.0009
		Y	0.0172	0.0331	0.0043	-0.0050	-0.0248	0.0178
		Z	-0.0037	-0.0056	-0.0029	0.0030	0.0254	0.0037
AT.	35 CA	X	0.0026	-0.0106	-0.0202	0.0155	-0.0026	0.0009
		Y	-0.0172	0.0331	-0.0043	0.0050	-0.0248	0.0178
		Z	-0.0037	0.0056	-0.0029	0.0030	-0.0254	-0.0037
AT.	36 CA	X	0.0026	-0.0106	0.0202	0.0155	0.0026	-0.0009
		Y	-0.0172	0.0331	0.0043	0.0050	0.0248	-0.0178
		Z	0.0037	-0.0056	-0.0029	-0.0030	-0.0254	-0.0037
AT.	37 CA	X	0.0026	-0.0106	0.0202	-0.0155	0.0026	0.0009
		Y	0.0172	-0.0331	-0.0043	0.0050	-0.0248	-0.0178
		Z	0.0037	-0.0056	-0.0029	0.0030	-0.0254	0.0037
AT.	38 CA	X	0.0026	-0.0106	-0.0202	-0.0155	-0.0026	-0.0009
		Y	0.0172	-0.0331	0.0043	0.0050	0.0248	0.0178
		Z	-0.0037	0.0056	-0.0029	-0.0030	-0.0254	0.0037
AT.	39 CA	X	0.0026	0.0106	-0.0202	-0.0155	0.0026	0.0009
		Y	-0.0172	-0.0331	-0.0043	-0.0050	0.0248	0.0178
		Z	-0.0037	-0.0056	-0.0029	-0.0030	0.0254	-0.0037
AT.	40 CA	X	0.0026	0.0106	0.0202	-0.0155	-0.0026	-0.0009
		Y	-0.0172	-0.0331	0.0043	-0.0050	-0.0248	-0.0178
		Z	0.0037	0.0056	-0.0029	0.0030	0.0254	-0.0037
AT.	41 CA	X	0.0079	-0.0005	0.0015	-0.0029	-0.0018	0.0130
		Y	-0.0013	0.0030	-0.0035	-0.0033	0.0057	-0.0029
		Z	0.0162	0.0030	0.0027	-0.0022	0.0041	-0.0028
AT.	42 CA	X	0.0079	-0.0005	-0.0015	-0.0029	0.0018	-0.0130
		Y	-0.0013	0.0030	0.0035	-0.0033	-0.0057	0.0029
		Z	-0.0162	-0.0030	0.0027	0.0022	0.0041	-0.0028
AT.	43 CA	X	0.0079	0.0005	-0.0015	-0.0029	-0.0018	0.0130
		Y	0.0013	0.0030	-0.0035	0.0033	-0.0057	0.0029
		Z	-0.0162	0.0030	0.0027	0.0022	-0.0041	0.0028
AT.	44 CA	X	0.0079	0.0005	0.0015	-0.0029	0.0018	-0.0130
		Y	0.0013	0.0030	0.0035	0.0033	0.0057	-0.0029
		Z	0.0162	-0.0030	0.0027	-0.0022	-0.0041	0.0028
AT.	45 CA	X	0.0079	0.0005	0.0015	0.0029	0.0018	0.0130
		Y	-0.0013	-0.0030	-0.0035	0.0033	-0.0057	-0.0029
		Z	0.0162	-0.0030	0.0027	0.0022	-0.0041	-0.0028
AT.	46 CA	X	0.0079	0.0005	-0.0015	0.0029	-0.0018	-0.0130
		Y	-0.0013	-0.0030	0.0035	0.0033	0.0057	0.0029
		Z	-0.0162	0.0030	0.0027	-0.0022	-0.0041	-0.0028
AT.	47 CA	X	0.0079	-0.0005	-0.0015	0.0029	0.0018	0.0130
		Y	0.0013	-0.0030	-0.0035	-0.0033	0.0057	0.0029
		Z	-0.0162	-0.0030	0.0027	-0.0022	0.0041	0.0028
AT.	48 CA	X	0.0079	-0.0005	0.0015	0.0029	-0.0018	-0.0130
		Y	0.0013	-0.0030	0.0035	-0.0033	-0.0057	-0.0029
		Z	0.0162	0.0030	0.0027	0.0022	0.0041	0.0028
AT.	49 CA	X	0.0106	0.0000	0.0449	0.0572	0.0000	0.0000
		Y	0.0000	-0.0127	0.0000	0.0000	-0.0184	0.0239
		Z	0.0027	0.0000	-0.0025	-0.0022	0.0000	0.0000
AT.	50 CA	X	0.0106	0.0000	-0.0449	0.0572	0.0000	0.0000

	Y	0.0000	-0.0127	0.0000	0.0000	0.0184	-0.0239
	Z	-0.0027	0.0000	-0.0025	0.0022	0.0000	0.0000
AT. 51 CA	X	0.0106	0.0000	0.0449	-0.0572	0.0000	0.0000
	Y	0.0000	0.0127	0.0000	0.0000	0.0184	0.0239
	Z	0.0027	0.0000	-0.0025	0.0022	0.0000	0.0000
AT. 52 CA	X	0.0106	0.0000	-0.0449	-0.0572	0.0000	0.0000
	Y	0.0000	0.0127	0.0000	0.0000	-0.0184	-0.0239
	Z	-0.0027	0.0000	-0.0025	-0.0022	0.0000	0.0000
AT. 53 O	X	-0.0085	0.0077	0.0206	0.0074	-0.0080	-0.0089
	Y	0.0125	0.0127	0.0035	0.0002	0.0089	-0.0059
	Z	0.0042	0.0026	-0.0004	-0.0042	0.0144	0.0010
AT. 54 O	X	-0.0085	0.0077	-0.0206	0.0074	0.0080	0.0089
	Y	0.0125	0.0127	-0.0035	0.0002	-0.0089	0.0059
	Z	-0.0042	-0.0026	-0.0004	0.0042	0.0144	0.0010
AT. 55 O	X	-0.0085	-0.0077	-0.0206	0.0074	-0.0080	-0.0089
	Y	-0.0125	0.0127	0.0035	-0.0002	-0.0089	0.0059
	Z	-0.0042	0.0026	-0.0004	0.0042	-0.0144	-0.0010
AT. 56 O	X	-0.0085	-0.0077	0.0206	0.0074	0.0080	0.0089
	Y	-0.0125	0.0127	-0.0035	-0.0002	0.0089	-0.0059
	Z	0.0042	-0.0026	-0.0004	-0.0042	-0.0144	-0.0010
AT. 57 O	X	-0.0085	-0.0077	0.0206	-0.0074	0.0080	-0.0089
	Y	0.0125	-0.0127	0.0035	-0.0002	-0.0089	-0.0059
	Z	0.0042	-0.0026	-0.0004	0.0042	-0.0144	0.0010
AT. 58 O	X	-0.0085	-0.0077	-0.0206	-0.0074	-0.0080	0.0089
	Y	0.0125	-0.0127	-0.0035	-0.0002	0.0089	0.0059
	Z	-0.0042	0.0026	-0.0004	-0.0042	-0.0144	0.0010
AT. 59 O	X	-0.0085	0.0077	-0.0206	-0.0074	0.0080	-0.0089
	Y	-0.0125	-0.0127	0.0035	0.0002	0.0089	0.0059
	Z	-0.0042	-0.0026	-0.0004	-0.0042	0.0144	-0.0010
AT. 60 O	X	-0.0085	0.0077	0.0206	-0.0074	-0.0080	0.0089
	Y	-0.0125	-0.0127	-0.0035	0.0002	-0.0089	-0.0059
	Z	0.0042	0.0026	-0.0004	0.0042	0.0144	-0.0010
AT. 61 O	X	-0.0030	0.0125	0.0122	0.0031	-0.0028	-0.0063
	Y	0.0132	0.0221	0.0035	0.0003	0.0139	-0.0119
	Z	0.0094	-0.0130	-0.0016	-0.0039	0.0045	0.0094
AT. 62 O	X	-0.0030	0.0125	-0.0122	0.0031	0.0028	0.0063
	Y	0.0132	0.0221	-0.0035	0.0003	-0.0139	0.0119
	Z	-0.0094	0.0130	-0.0016	0.0039	0.0045	0.0094
AT. 63 O	X	-0.0030	-0.0125	-0.0122	0.0031	-0.0028	-0.0063
	Y	-0.0132	0.0221	0.0035	-0.0003	-0.0139	0.0119
	Z	-0.0094	-0.0130	-0.0016	0.0039	-0.0045	-0.0094
AT. 64 O	X	-0.0030	-0.0125	0.0122	0.0031	0.0028	0.0063
	Y	-0.0132	0.0221	-0.0035	-0.0003	0.0139	-0.0119
	Z	0.0094	0.0130	-0.0016	-0.0039	-0.0045	-0.0094
AT. 65 O	X	-0.0030	-0.0125	0.0122	-0.0031	0.0028	-0.0063
	Y	0.0132	-0.0221	0.0035	-0.0003	-0.0139	-0.0119
	Z	0.0094	0.0130	-0.0016	0.0039	-0.0045	0.0094
AT. 66 O	X	-0.0030	-0.0125	-0.0122	-0.0031	-0.0028	0.0063
	Y	0.0132	-0.0221	-0.0035	-0.0003	0.0139	0.0119
	Z	-0.0094	-0.0130	-0.0016	-0.0039	-0.0045	0.0094
AT. 67 O	X	-0.0030	0.0125	-0.0122	-0.0031	0.0028	-0.0063
	Y	-0.0132	-0.0221	0.0035	0.0003	0.0139	0.0119
	Z	-0.0094	0.0130	-0.0016	-0.0039	0.0045	-0.0094
AT. 68 O	X	-0.0030	0.0125	0.0122	-0.0031	-0.0028	0.0063
	Y	-0.0132	-0.0221	-0.0035	0.0003	-0.0139	-0.0119
	Z	0.0094	-0.0130	-0.0016	0.0039	0.0045	-0.0094
AT. 69 O	X	-0.0142	0.0037	0.0135	0.0017	-0.0001	-0.0052
	Y	0.0119	0.0037	0.0037	0.0010	0.0008	-0.0012
	Z	0.0076	-0.0136	0.0003	-0.0025	0.0020	0.0069
AT. 70 O	X	-0.0142	0.0037	-0.0135	0.0017	0.0001	0.0052
	Y	0.0119	0.0037	-0.0037	0.0010	-0.0008	0.0012

		Z	-0.0076	0.0136	0.0003	0.0025	0.0020	0.0069
AT.	71 O	X	-0.0142	-0.0037	-0.0135	0.0017	-0.0001	-0.0052
		Y	-0.0119	0.0037	0.0037	-0.0010	-0.0008	0.0012
		Z	-0.0076	-0.0136	0.0003	0.0025	-0.0020	-0.0069
AT.	72 O	X	-0.0142	-0.0037	0.0135	0.0017	0.0001	0.0052
		Y	-0.0119	0.0037	-0.0037	-0.0010	0.0008	-0.0012
		Z	0.0076	0.0136	0.0003	-0.0025	-0.0020	-0.0069
AT.	73 O	X	-0.0142	-0.0037	0.0135	-0.0017	0.0001	-0.0052
		Y	0.0119	-0.0037	0.0037	-0.0010	-0.0008	-0.0012
		Z	0.0076	0.0136	0.0003	0.0025	-0.0020	0.0069
AT.	74 O	X	-0.0142	-0.0037	-0.0135	-0.0017	-0.0001	0.0052
		Y	0.0119	-0.0037	-0.0037	-0.0010	0.0008	0.0012
		Z	-0.0076	-0.0136	0.0003	-0.0025	-0.0020	0.0069
AT.	75 O	X	-0.0142	0.0037	-0.0135	-0.0017	0.0001	-0.0052
		Y	-0.0119	-0.0037	0.0037	0.0010	0.0008	0.0012
		Z	-0.0076	0.0136	0.0003	-0.0025	0.0020	-0.0069
AT.	76 O	X	-0.0142	0.0037	0.0135	-0.0017	-0.0001	0.0052
		Y	-0.0119	-0.0037	-0.0037	0.0010	-0.0008	-0.0012
		Z	0.0076	-0.0136	0.0003	0.0025	0.0020	-0.0069
AT.	77 O	X	-0.0097	0.0075	0.0167	0.0045	-0.0036	-0.0074
		Y	0.0156	0.0143	0.0055	0.0021	0.0049	-0.0080
		Z	0.0047	-0.0114	-0.0011	-0.0018	0.0100	0.0082
AT.	78 O	X	-0.0097	0.0075	-0.0167	0.0045	0.0036	0.0074
		Y	0.0156	0.0143	-0.0055	0.0021	-0.0049	0.0080
		Z	-0.0047	0.0114	-0.0011	0.0018	0.0100	0.0082
AT.	79 O	X	-0.0097	-0.0075	-0.0167	0.0045	-0.0036	-0.0074
		Y	-0.0156	0.0143	0.0055	-0.0021	-0.0049	0.0080
		Z	-0.0047	-0.0114	-0.0011	0.0018	-0.0100	-0.0082
AT.	80 O	X	-0.0097	-0.0075	0.0167	0.0045	0.0036	0.0074
		Y	-0.0156	0.0143	-0.0055	-0.0021	0.0049	-0.0080
		Z	0.0047	0.0114	-0.0011	-0.0018	-0.0100	-0.0082
AT.	81 O	X	-0.0097	-0.0075	0.0167	-0.0045	0.0036	-0.0074
		Y	0.0156	-0.0143	0.0055	-0.0021	-0.0049	-0.0080
		Z	0.0047	0.0114	-0.0011	0.0018	-0.0100	0.0082
AT.	82 O	X	-0.0097	-0.0075	-0.0167	-0.0045	-0.0036	0.0074
		Y	0.0156	-0.0143	-0.0055	-0.0021	0.0049	0.0080
		Z	-0.0047	-0.0114	-0.0011	-0.0018	-0.0100	0.0082
AT.	83 O	X	-0.0097	0.0075	-0.0167	-0.0045	0.0036	-0.0074
		Y	-0.0156	-0.0143	0.0055	0.0021	0.0049	0.0080
		Z	-0.0047	0.0114	-0.0011	-0.0018	0.0100	-0.0082
AT.	84 O	X	-0.0097	0.0075	0.0167	-0.0045	-0.0036	0.0074
		Y	-0.0156	-0.0143	-0.0055	0.0021	-0.0049	-0.0080
		Z	0.0047	-0.0114	-0.0011	0.0018	0.0100	-0.0082
AT.	85 O	X	0.0083	0.0140	0.0143	0.0161	-0.0032	0.0016
		Y	0.0129	0.0110	0.0009	0.0031	0.0065	-0.0009
		Z	-0.0179	-0.0046	0.0000	-0.0009	0.0101	0.0103
AT.	86 O	X	0.0083	0.0140	-0.0143	0.0161	0.0032	-0.0016
		Y	0.0129	0.0110	-0.0009	0.0031	-0.0065	0.0009
		Z	0.0179	0.0046	0.0000	0.0009	0.0101	0.0103
AT.	87 O	X	0.0083	-0.0140	-0.0143	0.0161	-0.0032	0.0016
		Y	-0.0129	0.0110	0.0009	-0.0031	-0.0065	0.0009
		Z	0.0179	-0.0046	0.0000	0.0009	-0.0101	-0.0103
AT.	88 O	X	0.0083	-0.0140	0.0143	0.0161	0.0032	-0.0016
		Y	-0.0129	0.0110	-0.0009	-0.0031	0.0065	-0.0009
		Z	-0.0179	0.0046	0.0000	-0.0009	-0.0101	-0.0103
AT.	89 O	X	0.0083	-0.0140	0.0143	-0.0161	0.0032	0.0016
		Y	0.0129	-0.0110	0.0009	-0.0031	-0.0065	-0.0009
		Z	-0.0179	0.0046	0.0000	0.0009	-0.0101	0.0103
AT.	90 O	X	0.0083	-0.0140	-0.0143	-0.0161	-0.0032	-0.0016
		Y	0.0129	-0.0110	-0.0009	-0.0031	0.0065	0.0009
		Z	0.0179	-0.0046	0.0000	-0.0009	-0.0101	0.0103

AT.	91	O	X	0.0083	0.0140	-0.0143	-0.0161	0.0032	0.0016
			Y	-0.0129	-0.0110	0.0009	0.0031	0.0065	0.0009
			Z	0.0179	0.0046	0.0000	-0.0009	0.0101	-0.0103
AT.	92	O	X	0.0083	0.0140	0.0143	-0.0161	-0.0032	-0.0016
			Y	-0.0129	-0.0110	-0.0009	0.0031	-0.0065	-0.0009
			Z	-0.0179	-0.0046	0.0000	0.0009	0.0101	-0.0103
AT.	93	O	X	0.0090	-0.0013	0.0206	0.0195	-0.0100	0.0177
			Y	0.0035	0.0112	0.0011	0.0036	-0.0020	-0.0109
			Z	0.0028	-0.0079	-0.0002	-0.0014	0.0226	0.0265
AT.	94	O	X	0.0090	-0.0013	-0.0206	0.0195	0.0100	-0.0177
			Y	0.0035	0.0112	-0.0011	0.0036	0.0020	0.0109
			Z	-0.0028	0.0079	-0.0002	0.0014	0.0226	0.0265
AT.	95	O	X	0.0090	0.0013	-0.0206	0.0195	-0.0100	0.0177
			Y	-0.0035	0.0112	0.0011	-0.0036	0.0020	0.0109
			Z	-0.0028	-0.0079	-0.0002	0.0014	-0.0226	-0.0265
AT.	96	O	X	0.0090	0.0013	0.0206	0.0195	0.0100	-0.0177
			Y	-0.0035	0.0112	-0.0011	-0.0036	-0.0020	-0.0109
			Z	0.0028	0.0079	-0.0002	-0.0014	-0.0226	-0.0265
AT.	97	O	X	0.0090	0.0013	0.0206	-0.0195	0.0100	0.0177
			Y	0.0035	-0.0112	0.0011	-0.0036	0.0020	-0.0109
			Z	0.0028	0.0079	-0.0002	0.0014	-0.0226	0.0265
AT.	98	O	X	0.0090	0.0013	-0.0206	-0.0195	-0.0100	-0.0177
			Y	0.0035	-0.0112	-0.0011	-0.0036	-0.0020	0.0109
			Z	-0.0028	-0.0079	-0.0002	-0.0014	-0.0226	0.0265
AT.	99	O	X	0.0090	-0.0013	-0.0206	-0.0195	0.0100	0.0177
			Y	-0.0035	-0.0112	0.0011	0.0036	-0.0020	0.0109
			Z	-0.0028	0.0079	-0.0002	-0.0014	0.0226	-0.0265
AT.	100	O	X	0.0090	-0.0013	0.0206	-0.0195	-0.0100	-0.0177
			Y	-0.0035	-0.0112	-0.0011	0.0036	0.0020	-0.0109
			Z	0.0028	-0.0079	-0.0002	0.0014	0.0226	-0.0265
AT.	101	O	X	0.0142	-0.0007	0.0170	0.0218	0.0025	0.0073
			Y	-0.0023	0.0138	-0.0043	-0.0036	-0.0136	-0.0219
			Z	-0.0196	-0.0039	0.0008	-0.0013	0.0065	0.0098
AT.	102	O	X	0.0142	-0.0007	-0.0170	0.0218	-0.0025	-0.0073
			Y	-0.0023	0.0138	0.0043	-0.0036	0.0136	0.0219
			Z	0.0196	0.0039	0.0008	0.0013	0.0065	0.0098
AT.	103	O	X	0.0142	0.0007	-0.0170	0.0218	0.0025	0.0073
			Y	0.0023	0.0138	-0.0043	0.0036	0.0136	0.0219
			Z	0.0196	-0.0039	0.0008	0.0013	-0.0065	-0.0098
AT.	104	O	X	0.0142	0.0007	0.0170	0.0218	-0.0025	-0.0073
			Y	0.0023	0.0138	0.0043	0.0036	-0.0136	-0.0219
			Z	-0.0196	0.0039	0.0008	-0.0013	-0.0065	-0.0098
AT.	105	O	X	0.0142	0.0007	0.0170	-0.0218	-0.0025	0.0073
			Y	-0.0023	-0.0138	-0.0043	0.0036	0.0136	-0.0219
			Z	-0.0196	0.0039	0.0008	0.0013	-0.0065	0.0098
AT.	106	O	X	0.0142	0.0007	-0.0170	-0.0218	0.0025	-0.0073
			Y	-0.0023	-0.0138	0.0043	0.0036	-0.0136	0.0219
			Z	0.0196	-0.0039	0.0008	-0.0013	-0.0065	0.0098
AT.	107	O	X	0.0142	-0.0007	-0.0170	-0.0218	-0.0025	0.0073
			Y	0.0023	-0.0138	-0.0043	-0.0036	-0.0136	0.0219
			Z	0.0196	0.0039	0.0008	-0.0013	0.0065	-0.0098
AT.	108	O	X	0.0142	-0.0007	0.0170	-0.0218	0.0025	-0.0073
			Y	0.0023	-0.0138	0.0043	-0.0036	0.0136	-0.0219
			Z	-0.0196	-0.0039	0.0008	0.0013	0.0065	-0.0098
AT.	109	O	X	0.0106	0.0047	0.0193	0.0213	-0.0045	0.0095
			Y	0.0038	0.0036	0.0057	0.0061	-0.0041	0.0022
			Z	-0.0135	-0.0151	0.0052	0.0042	0.0165	0.0163
AT.	110	O	X	0.0106	0.0047	-0.0193	0.0213	0.0045	-0.0095
			Y	0.0038	0.0036	-0.0057	0.0061	0.0041	-0.0022
			Z	0.0135	0.0151	0.0052	-0.0042	0.0165	0.0163
AT.	111	O	X	0.0106	-0.0047	-0.0193	0.0213	-0.0045	0.0095

	Y	-0.0038	0.0036	0.0057	-0.0061	0.0041	-0.0022
	Z	0.0135	-0.0151	0.0052	-0.0042	-0.0165	-0.0163
AT. 112 O	X	0.0106	-0.0047	0.0193	0.0213	0.0045	-0.0095
	Y	-0.0038	0.0036	-0.0057	-0.0061	-0.0041	0.0022
	Z	-0.0135	0.0151	0.0052	0.0042	-0.0165	-0.0163
AT. 113 O	X	0.0106	-0.0047	0.0193	-0.0213	0.0045	0.0095
	Y	0.0038	-0.0036	0.0057	-0.0061	0.0041	0.0022
	Z	-0.0135	0.0151	0.0052	-0.0042	-0.0165	0.0163
AT. 114 O	X	0.0106	-0.0047	-0.0193	-0.0213	-0.0045	-0.0095
	Y	0.0038	-0.0036	-0.0057	-0.0061	-0.0041	-0.0022
	Z	0.0135	-0.0151	0.0052	0.0042	-0.0165	0.0163
AT. 115 O	X	0.0106	0.0047	-0.0193	-0.0213	0.0045	0.0095
	Y	-0.0038	-0.0036	0.0057	0.0061	-0.0041	-0.0022
	Z	0.0135	0.0151	0.0052	0.0042	0.0165	-0.0163
AT. 116 O	X	0.0106	0.0047	0.0193	-0.0213	-0.0045	-0.0095
	Y	-0.0038	-0.0036	-0.0057	0.0061	0.0041	0.0022
	Z	-0.0135	-0.0151	0.0052	-0.0042	0.0165	-0.0163
AT. 117 O	X	0.0123	-0.0066	-0.0017	0.0010	0.0136	0.0143
	Y	-0.0002	0.0156	0.0091	0.0114	-0.0149	-0.0257
	Z	-0.0202	0.0080	0.0021	-0.0011	-0.0161	-0.0130
AT. 118 O	X	0.0123	-0.0066	0.0017	0.0010	-0.0136	-0.0143
	Y	-0.0002	0.0156	-0.0091	0.0114	0.0149	0.0257
	Z	0.0202	-0.0080	0.0021	0.0011	-0.0161	-0.0130
AT. 119 O	X	0.0123	0.0066	0.0017	0.0010	0.0136	0.0143
	Y	0.0002	0.0156	0.0091	-0.0114	0.0149	0.0257
	Z	0.0202	0.0080	0.0021	0.0011	0.0161	0.0130
AT. 120 O	X	0.0123	0.0066	-0.0017	0.0010	-0.0136	-0.0143
	Y	0.0002	0.0156	-0.0091	-0.0114	-0.0149	-0.0257
	Z	-0.0202	-0.0080	0.0021	-0.0011	0.0161	0.0130
AT. 121 O	X	0.0123	0.0066	-0.0017	-0.0010	-0.0136	0.0143
	Y	-0.0002	-0.0156	0.0091	-0.0114	0.0149	-0.0257
	Z	-0.0202	-0.0080	0.0021	0.0011	0.0161	-0.0130
AT. 122 O	X	0.0123	0.0066	0.0017	-0.0010	0.0136	-0.0143
	Y	-0.0002	-0.0156	-0.0091	-0.0114	-0.0149	0.0257
	Z	0.0202	0.0080	0.0021	-0.0011	0.0161	-0.0130
AT. 123 O	X	0.0123	-0.0066	0.0017	-0.0010	-0.0136	0.0143
	Y	0.0002	-0.0156	0.0091	0.0114	-0.0149	0.0257
	Z	0.0202	-0.0080	0.0021	-0.0011	-0.0161	0.0130
AT. 124 O	X	0.0123	-0.0066	-0.0017	-0.0010	0.0136	-0.0143
	Y	0.0002	-0.0156	-0.0091	0.0114	0.0149	-0.0257
	Z	-0.0202	0.0080	0.0021	0.0011	-0.0161	0.0130

FREQ(CM**-1)	120.51	121.31	122.65	123.10	125.32	127.97
AT. 1 SI X	-0.0256	0.0009	-0.0017	0.0027	-0.0164	0.0027
Y	-0.0090	0.0167	0.0087	-0.0083	-0.0086	0.0058
Z	-0.0024	0.0144	-0.0089	-0.0090	-0.0041	-0.0080
AT. 2 SI X	-0.0256	-0.0009	0.0017	0.0027	0.0164	0.0027
Y	-0.0090	-0.0167	-0.0087	-0.0083	0.0086	0.0058
Z	0.0024	0.0144	-0.0089	0.0090	-0.0041	0.0080
AT. 3 SI X	0.0256	0.0009	0.0017	0.0027	0.0164	-0.0027
Y	-0.0090	-0.0167	0.0087	0.0083	-0.0086	0.0058
Z	-0.0024	-0.0144	-0.0089	0.0090	-0.0041	-0.0080
AT. 4 SI X	0.0256	-0.0009	-0.0017	0.0027	-0.0164	-0.0027
Y	-0.0090	0.0167	-0.0087	0.0083	0.0086	0.0058
Z	0.0024	-0.0144	-0.0089	-0.0090	-0.0041	0.0080
AT. 5 SI X	-0.0256	0.0009	0.0017	0.0027	-0.0164	-0.0027
Y	-0.0090	0.0167	-0.0087	-0.0083	-0.0086	-0.0058
Z	-0.0024	0.0144	0.0089	-0.0090	-0.0041	0.0080
AT. 6 SI X	-0.0256	-0.0009	-0.0017	0.0027	0.0164	-0.0027
Y	-0.0090	-0.0167	0.0087	-0.0083	0.0086	-0.0058

		Z	0.0024	0.0144	0.0089	0.0090	-0.0041	-0.0080
AT.	7 SI	X	0.0256	0.0009	-0.0017	0.0027	0.0164	0.0027
		Y	-0.0090	-0.0167	-0.0087	0.0083	-0.0086	-0.0058
		Z	-0.0024	-0.0144	0.0089	0.0090	-0.0041	0.0080
AT.	8 SI	X	0.0256	-0.0009	0.0017	0.0027	-0.0164	0.0027
		Y	-0.0090	0.0167	0.0087	0.0083	0.0086	-0.0058
		Z	0.0024	-0.0144	0.0089	-0.0090	-0.0041	-0.0080
AT.	9 SI	X	-0.0102	-0.0001	-0.0009	-0.0019	0.0000	0.0034
		Y	0.0017	-0.0066	0.0175	0.0169	0.0096	-0.0004
		Z	0.0039	-0.0031	0.0028	-0.0028	0.0119	-0.0162
AT.	10 SI	X	-0.0102	0.0001	0.0009	-0.0019	0.0000	0.0034
		Y	0.0017	0.0066	-0.0175	0.0169	-0.0096	-0.0004
		Z	-0.0039	-0.0031	0.0028	0.0028	0.0119	0.0162
AT.	11 SI	X	0.0102	-0.0001	0.0009	-0.0019	0.0000	-0.0034
		Y	0.0017	0.0066	0.0175	-0.0169	0.0096	-0.0004
		Z	0.0039	0.0031	0.0028	0.0028	0.0119	-0.0162
AT.	12 SI	X	0.0102	0.0001	-0.0009	-0.0019	0.0000	-0.0034
		Y	0.0017	-0.0066	-0.0175	-0.0169	-0.0096	-0.0004
		Z	-0.0039	0.0031	0.0028	-0.0028	0.0119	0.0162
AT.	13 SI	X	-0.0102	-0.0001	0.0009	-0.0019	0.0000	-0.0034
		Y	0.0017	-0.0066	-0.0175	0.0169	0.0096	0.0004
		Z	0.0039	-0.0031	-0.0028	-0.0028	0.0119	0.0162
AT.	14 SI	X	-0.0102	0.0001	-0.0009	-0.0019	0.0000	-0.0034
		Y	0.0017	0.0066	0.0175	0.0169	-0.0096	0.0004
		Z	-0.0039	-0.0031	-0.0028	0.0028	0.0119	-0.0162
AT.	15 SI	X	0.0102	-0.0001	-0.0009	-0.0019	0.0000	0.0034
		Y	0.0017	0.0066	-0.0175	-0.0169	0.0096	0.0004
		Z	0.0039	0.0031	-0.0028	0.0028	0.0119	0.0162
AT.	16 SI	X	0.0102	0.0001	0.0009	-0.0019	0.0000	0.0034
		Y	0.0017	-0.0066	0.0175	-0.0169	-0.0096	0.0004
		Z	-0.0039	0.0031	-0.0028	-0.0028	0.0119	-0.0162
AT.	17 SI	X	0.0000	0.0000	0.0025	-0.0019	0.0007	0.0000
		Y	-0.0004	-0.0016	0.0000	0.0000	0.0000	0.0188
		Z	0.0000	0.0000	-0.0121	-0.0178	0.0027	0.0000
AT.	18 SI	X	0.0000	0.0000	-0.0025	-0.0019	-0.0007	0.0000
		Y	-0.0004	0.0016	0.0000	0.0000	0.0000	0.0188
		Z	0.0000	0.0000	-0.0121	0.0178	0.0027	0.0000
AT.	19 SI	X	0.0000	0.0000	-0.0025	-0.0019	0.0007	0.0000
		Y	-0.0004	-0.0016	0.0000	0.0000	0.0000	-0.0188
		Z	0.0000	0.0000	0.0121	-0.0178	0.0027	0.0000
AT.	20 SI	X	0.0000	0.0000	0.0025	-0.0019	-0.0007	0.0000
		Y	-0.0004	0.0016	0.0000	0.0000	0.0000	-0.0188
		Z	0.0000	0.0000	0.0121	0.0178	0.0027	0.0000
AT.	21 CA	X	-0.0029	-0.0098	-0.0078	0.0082	-0.0001	0.0003
		Y	0.0034	-0.0010	0.0036	0.0027	-0.0004	-0.0108
		Z	0.0013	-0.0153	0.0210	0.0134	-0.0009	-0.0086
AT.	22 CA	X	-0.0029	0.0098	0.0078	0.0082	0.0001	0.0003
		Y	0.0034	0.0010	-0.0036	0.0027	0.0004	-0.0108
		Z	-0.0013	-0.0153	0.0210	-0.0134	-0.0009	0.0086
AT.	23 CA	X	0.0029	-0.0098	0.0078	0.0082	0.0001	-0.0003
		Y	0.0034	0.0010	0.0036	-0.0027	-0.0004	-0.0108
		Z	0.0013	0.0153	0.0210	-0.0134	-0.0009	-0.0086
AT.	24 CA	X	0.0029	0.0098	-0.0078	0.0082	-0.0001	-0.0003
		Y	0.0034	-0.0010	-0.0036	-0.0027	0.0004	-0.0108
		Z	-0.0013	0.0153	0.0210	0.0134	-0.0009	0.0086
AT.	25 CA	X	-0.0029	-0.0098	0.0078	0.0082	-0.0001	-0.0003
		Y	0.0034	-0.0010	-0.0036	0.0027	-0.0004	0.0108
		Z	0.0013	-0.0153	-0.0210	0.0134	-0.0009	0.0086
AT.	26 CA	X	-0.0029	0.0098	-0.0078	0.0082	0.0001	-0.0003
		Y	0.0034	0.0010	0.0036	0.0027	0.0004	0.0108
		Z	-0.0013	-0.0153	-0.0210	-0.0134	-0.0009	-0.0086

AT.	27 CA	X	0.0029	-0.0098	-0.0078	0.0082	0.0001	0.0003
		Y	0.0034	0.0010	-0.0036	-0.0027	-0.0004	0.0108
		Z	0.0013	0.0153	-0.0210	-0.0134	-0.0009	0.0086
AT.	28 CA	X	0.0029	0.0098	0.0078	0.0082	-0.0001	0.0003
		Y	0.0034	-0.0010	0.0036	-0.0027	0.0004	0.0108
		Z	-0.0013	0.0153	-0.0210	0.0134	-0.0009	-0.0086
AT.	29 CA	X	-0.0356	-0.0026	0.0000	0.0075	-0.0217	0.0000
		Y	-0.0008	0.0480	0.0000	-0.0348	-0.0042	0.0000
		Z	0.0017	0.0048	0.0000	-0.0029	-0.0046	0.0000
AT.	30 CA	X	-0.0356	0.0026	0.0000	0.0075	0.0217	0.0000
		Y	-0.0008	-0.0480	0.0000	-0.0348	0.0042	0.0000
		Z	-0.0017	0.0048	0.0000	0.0029	-0.0046	0.0000
AT.	31 CA	X	0.0356	-0.0026	0.0000	0.0075	0.0217	0.0000
		Y	-0.0008	-0.0480	0.0000	0.0348	-0.0042	0.0000
		Z	0.0017	-0.0048	0.0000	0.0029	-0.0046	0.0000
AT.	32 CA	X	0.0356	0.0026	0.0000	0.0075	-0.0217	0.0000
		Y	-0.0008	0.0480	0.0000	0.0348	0.0042	0.0000
		Z	-0.0017	-0.0048	0.0000	-0.0029	-0.0046	0.0000
AT.	33 CA	X	-0.0217	0.0015	-0.0031	-0.0042	-0.0123	0.0056
		Y	0.0044	-0.0016	0.0262	0.0158	0.0013	-0.0181
		Z	0.0036	0.0035	0.0046	-0.0037	-0.0019	-0.0247
AT.	34 CA	X	-0.0217	-0.0015	0.0031	-0.0042	0.0123	0.0056
		Y	0.0044	0.0016	-0.0262	0.0158	-0.0013	-0.0181
		Z	-0.0036	0.0035	0.0046	0.0037	-0.0019	0.0247
AT.	35 CA	X	0.0217	0.0015	0.0031	-0.0042	0.0123	-0.0056
		Y	0.0044	0.0016	0.0262	-0.0158	0.0013	-0.0181
		Z	0.0036	-0.0035	0.0046	0.0037	-0.0019	-0.0247
AT.	36 CA	X	0.0217	-0.0015	-0.0031	-0.0042	-0.0123	-0.0056
		Y	0.0044	-0.0016	-0.0262	-0.0158	-0.0013	-0.0181
		Z	-0.0036	-0.0035	0.0046	-0.0037	-0.0019	0.0247
AT.	37 CA	X	-0.0217	0.0015	0.0031	-0.0042	-0.0123	-0.0056
		Y	0.0044	-0.0016	-0.0262	0.0158	0.0013	0.0181
		Z	0.0036	0.0035	-0.0046	-0.0037	-0.0019	0.0247
AT.	38 CA	X	-0.0217	-0.0015	-0.0031	-0.0042	0.0123	-0.0056
		Y	0.0044	0.0016	0.0262	0.0158	-0.0013	0.0181
		Z	-0.0036	0.0035	-0.0046	0.0037	-0.0019	-0.0247
AT.	39 CA	X	0.0217	0.0015	-0.0031	-0.0042	0.0123	0.0056
		Y	0.0044	0.0016	-0.0262	-0.0158	0.0013	0.0181
		Z	0.0036	-0.0035	-0.0046	0.0037	-0.0019	0.0247
AT.	40 CA	X	0.0217	-0.0015	0.0031	-0.0042	-0.0123	0.0056
		Y	0.0044	-0.0016	0.0262	-0.0158	-0.0013	0.0181
		Z	-0.0036	-0.0035	-0.0046	-0.0037	-0.0019	-0.0247
AT.	41 CA	X	-0.0064	0.0045	-0.0101	-0.0112	0.0004	0.0002
		Y	0.0052	0.0010	-0.0007	-0.0037	0.0076	-0.0031
		Z	-0.0074	0.0103	-0.0002	0.0063	-0.0087	-0.0036
AT.	42 CA	X	-0.0064	-0.0045	0.0101	-0.0112	-0.0004	0.0002
		Y	0.0052	-0.0010	0.0007	-0.0037	-0.0076	-0.0031
		Z	0.0074	0.0103	-0.0002	-0.0063	-0.0087	0.0036
AT.	43 CA	X	0.0064	0.0045	0.0101	-0.0112	-0.0004	-0.0002
		Y	0.0052	-0.0010	-0.0007	0.0037	0.0076	-0.0031
		Z	-0.0074	-0.0103	-0.0002	-0.0063	-0.0087	-0.0036
AT.	44 CA	X	0.0064	-0.0045	-0.0101	-0.0112	0.0004	-0.0002
		Y	0.0052	0.0010	0.0007	0.0037	-0.0076	-0.0031
		Z	0.0074	-0.0103	-0.0002	0.0063	-0.0087	0.0036
AT.	45 CA	X	-0.0064	0.0045	0.0101	-0.0112	0.0004	-0.0002
		Y	0.0052	0.0010	0.0007	-0.0037	0.0076	0.0031
		Z	-0.0074	0.0103	0.0002	0.0063	-0.0087	0.0036
AT.	46 CA	X	-0.0064	-0.0045	-0.0101	-0.0112	-0.0004	-0.0002
		Y	0.0052	-0.0010	-0.0007	-0.0037	-0.0076	0.0031
		Z	0.0074	0.0103	0.0002	-0.0063	-0.0087	-0.0036
AT.	47 CA	X	0.0064	0.0045	-0.0101	-0.0112	-0.0004	0.0002

		Y	0.0052	-0.0010	0.0007	0.0037	0.0076	0.0031
		Z	-0.0074	-0.0103	0.0002	-0.0063	-0.0087	0.0036
AT.	48 CA	X	0.0064	-0.0045	0.0101	-0.0112	0.0004	0.0002
		Y	0.0052	0.0010	-0.0007	0.0037	-0.0076	0.0031
		Z	0.0074	-0.0103	0.0002	0.0063	-0.0087	-0.0036
AT.	49 CA	X	0.0000	0.0000	0.0081	-0.0038	0.0479	0.0000
		Y	-0.0002	-0.0043	0.0000	0.0000	0.0000	-0.0102
		Z	0.0000	0.0000	0.0194	0.0108	-0.0056	0.0000
AT.	50 CA	X	0.0000	0.0000	-0.0081	-0.0038	-0.0479	0.0000
		Y	-0.0002	0.0043	0.0000	0.0000	0.0000	-0.0102
		Z	0.0000	0.0000	0.0194	-0.0108	-0.0056	0.0000
AT.	51 CA	X	0.0000	0.0000	-0.0081	-0.0038	0.0479	0.0000
		Y	-0.0002	-0.0043	0.0000	0.0000	0.0000	0.0102
		Z	0.0000	0.0000	-0.0194	0.0108	-0.0056	0.0000
AT.	52 CA	X	0.0000	0.0000	0.0081	-0.0038	-0.0479	0.0000
		Y	-0.0002	0.0043	0.0000	0.0000	0.0000	0.0102
		Z	0.0000	0.0000	-0.0194	-0.0108	-0.0056	0.0000
AT.	53 O	X	-0.0294	0.0022	-0.0024	0.0011	-0.0189	0.0118
		Y	-0.0072	0.0155	0.0095	-0.0070	-0.0075	0.0006
		Z	-0.0009	0.0000	0.0035	0.0019	-0.0020	-0.0141
AT.	54 O	X	-0.0294	-0.0022	0.0024	0.0011	0.0189	0.0118
		Y	-0.0072	-0.0155	-0.0095	-0.0070	0.0075	0.0006
		Z	0.0009	0.0000	0.0035	-0.0019	-0.0020	0.0141
AT.	55 O	X	0.0294	0.0022	0.0024	0.0011	0.0189	-0.0118
		Y	-0.0072	-0.0155	0.0095	0.0070	-0.0075	0.0006
		Z	-0.0009	0.0000	0.0035	-0.0019	-0.0020	-0.0141
AT.	56 O	X	0.0294	-0.0022	-0.0024	0.0011	-0.0189	-0.0118
		Y	-0.0072	0.0155	-0.0095	0.0070	0.0075	0.0006
		Z	0.0009	0.0000	0.0035	0.0019	-0.0020	0.0141
AT.	57 O	X	-0.0294	0.0022	0.0024	0.0011	-0.0189	-0.0118
		Y	-0.0072	0.0155	-0.0095	-0.0070	-0.0075	-0.0006
		Z	-0.0009	0.0000	-0.0035	0.0019	-0.0020	0.0141
AT.	58 O	X	-0.0294	-0.0022	-0.0024	0.0011	0.0189	-0.0118
		Y	-0.0072	-0.0155	0.0095	-0.0070	0.0075	-0.0006
		Z	0.0009	0.0000	-0.0035	-0.0019	-0.0020	-0.0141
AT.	59 O	X	0.0294	0.0022	-0.0024	0.0011	0.0189	0.0118
		Y	-0.0072	-0.0155	-0.0095	0.0070	-0.0075	-0.0006
		Z	-0.0009	0.0000	-0.0035	-0.0019	-0.0020	0.0141
AT.	60 O	X	0.0294	-0.0022	0.0024	0.0011	-0.0189	0.0118
		Y	-0.0072	0.0155	0.0095	0.0070	0.0075	-0.0006
		Z	0.0009	0.0000	-0.0035	0.0019	-0.0020	-0.0141
AT.	61 O	X	-0.0198	-0.0057	-0.0011	0.0093	-0.0112	-0.0012
		Y	-0.0052	0.0067	0.0158	-0.0003	-0.0044	-0.0026
		Z	-0.0011	0.0163	-0.0124	-0.0096	-0.0027	-0.0048
AT.	62 O	X	-0.0198	0.0057	0.0011	0.0093	0.0112	-0.0012
		Y	-0.0052	-0.0067	-0.0158	-0.0003	0.0044	-0.0026
		Z	0.0011	0.0163	-0.0124	0.0096	-0.0027	0.0048
AT.	63 O	X	0.0198	-0.0057	0.0011	0.0093	0.0112	0.0012
		Y	-0.0052	-0.0067	0.0158	0.0003	-0.0044	-0.0026
		Z	-0.0011	-0.0163	-0.0124	0.0096	-0.0027	-0.0048
AT.	64 O	X	0.0198	0.0057	-0.0011	0.0093	-0.0112	0.0012
		Y	-0.0052	0.0067	-0.0158	0.0003	0.0044	-0.0026
		Z	0.0011	-0.0163	-0.0124	-0.0096	-0.0027	0.0048
AT.	65 O	X	-0.0198	-0.0057	0.0011	0.0093	-0.0112	0.0012
		Y	-0.0052	0.0067	-0.0158	-0.0003	-0.0044	0.0026
		Z	-0.0011	0.0163	0.0124	-0.0096	-0.0027	0.0048
AT.	66 O	X	-0.0198	0.0057	-0.0011	0.0093	0.0112	0.0012
		Y	-0.0052	-0.0067	0.0158	-0.0003	0.0044	0.0026
		Z	0.0011	0.0163	0.0124	0.0096	-0.0027	-0.0048
AT.	67 O	X	0.0198	-0.0057	-0.0011	0.0093	0.0112	-0.0012
		Y	-0.0052	-0.0067	-0.0158	0.0003	-0.0044	0.0026

		Z	-0.0011	-0.0163	0.0124	0.0096	-0.0027	0.0048
AT.	68 O	X	0.0198	0.0057	0.0011	0.0093	-0.0112	-0.0012
		Y	-0.0052	0.0067	0.0158	0.0003	0.0044	0.0026
		Z	0.0011	-0.0163	0.0124	-0.0096	-0.0027	-0.0048
AT.	69 O	X	-0.0215	0.0090	0.0006	-0.0050	-0.0146	-0.0036
		Y	-0.0074	0.0267	0.0010	-0.0165	-0.0077	0.0087
		Z	-0.0030	0.0157	-0.0146	-0.0095	-0.0036	-0.0027
AT.	70 O	X	-0.0215	-0.0090	-0.0006	-0.0050	0.0146	-0.0036
		Y	-0.0074	-0.0267	-0.0010	-0.0165	0.0077	0.0087
		Z	0.0030	0.0157	-0.0146	0.0095	-0.0036	0.0027
AT.	71 O	X	0.0215	0.0090	-0.0006	-0.0050	0.0146	0.0036
		Y	-0.0074	-0.0267	0.0010	0.0165	-0.0077	0.0087
		Z	-0.0030	-0.0157	-0.0146	0.0095	-0.0036	-0.0027
AT.	72 O	X	0.0215	-0.0090	0.0006	-0.0050	-0.0146	0.0036
		Y	-0.0074	0.0267	-0.0010	0.0165	0.0077	0.0087
		Z	0.0030	-0.0157	-0.0146	-0.0095	-0.0036	0.0027
AT.	73 O	X	-0.0215	0.0090	-0.0006	-0.0050	-0.0146	0.0036
		Y	-0.0074	0.0267	-0.0010	-0.0165	-0.0077	-0.0087
		Z	-0.0030	0.0157	0.0146	-0.0095	-0.0036	0.0027
AT.	74 O	X	-0.0215	-0.0090	0.0006	-0.0050	0.0146	0.0036
		Y	-0.0074	-0.0267	0.0010	-0.0165	0.0077	-0.0087
		Z	0.0030	0.0157	0.0146	0.0095	-0.0036	-0.0027
AT.	75 O	X	0.0215	0.0090	0.0006	-0.0050	0.0146	-0.0036
		Y	-0.0074	-0.0267	-0.0010	0.0165	-0.0077	-0.0087
		Z	-0.0030	-0.0157	0.0146	0.0095	-0.0036	0.0027
AT.	76 O	X	0.0215	-0.0090	-0.0006	-0.0050	-0.0146	-0.0036
		Y	-0.0074	0.0267	0.0010	0.0165	0.0077	-0.0087
		Z	0.0030	-0.0157	0.0146	-0.0095	-0.0036	-0.0027
AT.	77 O	X	-0.0254	0.0008	-0.0016	0.0027	-0.0162	0.0026
		Y	-0.0086	0.0204	0.0098	-0.0104	-0.0081	0.0088
		Z	0.0008	0.0206	-0.0091	-0.0184	-0.0015	-0.0087
AT.	78 O	X	-0.0254	-0.0008	0.0016	0.0027	0.0162	0.0026
		Y	-0.0086	-0.0204	-0.0098	-0.0104	0.0081	0.0088
		Z	-0.0008	0.0206	-0.0091	0.0184	-0.0015	0.0087
AT.	79 O	X	0.0254	0.0008	0.0016	0.0027	0.0162	-0.0026
		Y	-0.0086	-0.0204	0.0098	0.0104	-0.0081	0.0088
		Z	0.0008	-0.0206	-0.0091	0.0184	-0.0015	-0.0087
AT.	80 O	X	0.0254	-0.0008	-0.0016	0.0027	-0.0162	-0.0026
		Y	-0.0086	0.0204	-0.0098	0.0104	0.0081	0.0088
		Z	-0.0008	-0.0206	-0.0091	-0.0184	-0.0015	0.0087
AT.	81 O	X	-0.0254	0.0008	0.0016	0.0027	-0.0162	-0.0026
		Y	-0.0086	0.0204	-0.0098	-0.0104	-0.0081	-0.0088
		Z	0.0008	0.0206	0.0091	-0.0184	-0.0015	0.0087
AT.	82 O	X	-0.0254	-0.0008	-0.0016	0.0027	0.0162	-0.0026
		Y	-0.0086	-0.0204	0.0098	-0.0104	0.0081	-0.0088
		Z	-0.0008	0.0206	0.0091	0.0184	-0.0015	-0.0087
AT.	83 O	X	0.0254	0.0008	-0.0016	0.0027	0.0162	0.0026
		Y	-0.0086	-0.0204	-0.0098	0.0104	-0.0081	-0.0088
		Z	0.0008	-0.0206	0.0091	0.0184	-0.0015	0.0087
AT.	84 O	X	0.0254	-0.0008	0.0016	0.0027	-0.0162	0.0026
		Y	-0.0086	0.0204	0.0098	0.0104	0.0081	-0.0088
		Z	-0.0008	-0.0206	0.0091	-0.0184	-0.0015	-0.0087
AT.	85 O	X	-0.0100	-0.0043	0.0016	0.0040	-0.0076	0.0034
		Y	0.0041	-0.0076	0.0189	0.0216	0.0075	-0.0175
		Z	0.0018	-0.0051	0.0028	-0.0027	0.0073	-0.0069
AT.	86 O	X	-0.0100	0.0043	-0.0016	0.0040	0.0076	0.0034
		Y	0.0041	0.0076	-0.0189	0.0216	-0.0075	-0.0175
		Z	-0.0018	-0.0051	0.0028	0.0027	0.0073	0.0069
AT.	87 O	X	0.0100	-0.0043	-0.0016	0.0040	0.0076	-0.0034
		Y	0.0041	0.0076	0.0189	-0.0216	0.0075	-0.0175
		Z	0.0018	0.0051	0.0028	0.0027	0.0073	-0.0069

AT.	88	O	X	0.0100	0.0043	0.0016	0.0040	-0.0076	-0.0034
			Y	0.0041	-0.0076	-0.0189	-0.0216	-0.0075	-0.0175
			Z	-0.0018	0.0051	0.0028	-0.0027	0.0073	0.0069
AT.	89	O	X	-0.0100	-0.0043	-0.0016	0.0040	-0.0076	-0.0034
			Y	0.0041	-0.0076	-0.0189	0.0216	0.0075	0.0175
			Z	0.0018	-0.0051	-0.0028	-0.0027	0.0073	0.0069
AT.	90	O	X	-0.0100	0.0043	0.0016	0.0040	0.0076	-0.0034
			Y	0.0041	0.0076	0.0189	0.0216	-0.0075	0.0175
			Z	-0.0018	-0.0051	-0.0028	0.0027	0.0073	-0.0069
AT.	91	O	X	0.0100	-0.0043	0.0016	0.0040	0.0076	0.0034
			Y	0.0041	0.0076	-0.0189	-0.0216	0.0075	0.0175
			Z	0.0018	0.0051	-0.0028	0.0027	0.0073	0.0069
AT.	92	O	X	0.0100	0.0043	-0.0016	0.0040	-0.0076	0.0034
			Y	0.0041	-0.0076	0.0189	-0.0216	-0.0075	0.0175
			Z	-0.0018	0.0051	-0.0028	-0.0027	0.0073	-0.0069
AT.	93	O	X	-0.0143	-0.0007	-0.0012	0.0010	0.0017	0.0043
			Y	0.0034	-0.0061	0.0172	0.0146	0.0089	-0.0001
			Z	0.0039	-0.0013	0.0038	0.0036	0.0054	-0.0343
AT.	94	O	X	-0.0143	0.0007	0.0012	0.0010	-0.0017	0.0043
			Y	0.0034	0.0061	-0.0172	0.0146	-0.0089	-0.0001
			Z	-0.0039	-0.0013	0.0038	-0.0036	0.0054	0.0343
AT.	95	O	X	0.0143	-0.0007	0.0012	0.0010	-0.0017	-0.0043
			Y	0.0034	0.0061	0.0172	-0.0146	0.0089	-0.0001
			Z	0.0039	0.0013	0.0038	-0.0036	0.0054	-0.0343
AT.	96	O	X	0.0143	0.0007	-0.0012	0.0010	0.0017	-0.0043
			Y	0.0034	-0.0061	-0.0172	-0.0146	-0.0089	-0.0001
			Z	-0.0039	0.0013	0.0038	0.0036	0.0054	0.0343
AT.	97	O	X	-0.0143	-0.0007	0.0012	0.0010	0.0017	-0.0043
			Y	0.0034	-0.0061	-0.0172	0.0146	0.0089	0.0001
			Z	0.0039	-0.0013	-0.0038	0.0036	0.0054	0.0343
AT.	98	O	X	-0.0143	0.0007	-0.0012	0.0010	-0.0017	-0.0043
			Y	0.0034	0.0061	0.0172	0.0146	-0.0089	0.0001
			Z	-0.0039	-0.0013	-0.0038	-0.0036	0.0054	-0.0343
AT.	99	O	X	0.0143	-0.0007	-0.0012	0.0010	-0.0017	0.0043
			Y	0.0034	0.0061	-0.0172	-0.0146	0.0089	0.0001
			Z	0.0039	0.0013	-0.0038	-0.0036	0.0054	0.0343
AT.	100	O	X	0.0143	0.0007	0.0012	0.0010	0.0017	0.0043
			Y	0.0034	-0.0061	0.0172	-0.0146	-0.0089	0.0001
			Z	-0.0039	0.0013	-0.0038	0.0036	0.0054	-0.0343
AT.	101	O	X	-0.0026	0.0008	-0.0020	-0.0043	0.0013	0.0027
			Y	0.0016	-0.0036	0.0161	0.0117	0.0038	0.0177
			Z	-0.0003	-0.0017	0.0017	-0.0062	0.0070	0.0002
AT.	102	O	X	-0.0026	-0.0008	0.0020	-0.0043	-0.0013	0.0027
			Y	0.0016	0.0036	-0.0161	0.0117	-0.0038	0.0177
			Z	0.0003	-0.0017	0.0017	0.0062	0.0070	-0.0002
AT.	103	O	X	0.0026	0.0008	0.0020	-0.0043	-0.0013	-0.0027
			Y	0.0016	0.0036	0.0161	-0.0117	0.0038	0.0177
			Z	-0.0003	0.0017	0.0017	0.0062	0.0070	0.0002
AT.	104	O	X	0.0026	-0.0008	-0.0020	-0.0043	0.0013	-0.0027
			Y	0.0016	-0.0036	-0.0161	-0.0117	-0.0038	0.0177
			Z	0.0003	0.0017	0.0017	-0.0062	0.0070	-0.0002
AT.	105	O	X	-0.0026	0.0008	0.0020	-0.0043	0.0013	-0.0027
			Y	0.0016	-0.0036	-0.0161	0.0117	0.0038	-0.0177
			Z	-0.0003	-0.0017	-0.0017	-0.0062	0.0070	-0.0002
AT.	106	O	X	-0.0026	-0.0008	-0.0020	-0.0043	-0.0013	-0.0027
			Y	0.0016	0.0036	0.0161	0.0117	-0.0038	-0.0177
			Z	0.0003	-0.0017	-0.0017	0.0062	0.0070	0.0002
AT.	107	O	X	0.0026	0.0008	-0.0020	-0.0043	-0.0013	0.0027
			Y	0.0016	0.0036	-0.0161	-0.0117	0.0038	-0.0177
			Z	-0.0003	0.0017	-0.0017	0.0062	0.0070	-0.0002
AT.	108	O	X	0.0026	-0.0008	0.0020	-0.0043	0.0013	0.0027

	Y	0.0016	-0.0036	0.0161	-0.0117	-0.0038	-0.0177
	Z	0.0003	0.0017	-0.0017	-0.0062	0.0070	0.0002
AT. 109 O	X	-0.0106	-0.0003	-0.0012	-0.0016	-0.0014	0.0041
	Y	0.0007	-0.0055	0.0152	0.0149	0.0148	-0.0040
	Z	0.0030	-0.0020	-0.0005	-0.0058	0.0141	-0.0162
AT. 110 O	X	-0.0106	0.0003	0.0012	-0.0016	0.0014	0.0041
	Y	0.0007	0.0055	-0.0152	0.0149	-0.0148	-0.0040
	Z	-0.0030	-0.0020	-0.0005	0.0058	0.0141	0.0162
AT. 111 O	X	0.0106	-0.0003	0.0012	-0.0016	0.0014	-0.0041
	Y	0.0007	0.0055	0.0152	-0.0149	0.0148	-0.0040
	Z	0.0030	0.0020	-0.0005	0.0058	0.0141	-0.0162
AT. 112 O	X	0.0106	0.0003	-0.0012	-0.0016	-0.0014	-0.0041
	Y	0.0007	-0.0055	-0.0152	-0.0149	-0.0148	-0.0040
	Z	-0.0030	0.0020	-0.0005	-0.0058	0.0141	0.0162
AT. 113 O	X	-0.0106	-0.0003	0.0012	-0.0016	-0.0014	-0.0041
	Y	0.0007	-0.0055	-0.0152	0.0149	0.0148	0.0040
	Z	0.0030	-0.0020	0.0005	-0.0058	0.0141	0.0162
AT. 114 O	X	-0.0106	0.0003	-0.0012	-0.0016	0.0014	-0.0041
	Y	0.0007	0.0055	0.0152	0.0149	-0.0148	0.0040
	Z	-0.0030	-0.0020	0.0005	0.0058	0.0141	-0.0162
AT. 115 O	X	0.0106	-0.0003	-0.0012	-0.0016	0.0014	0.0041
	Y	0.0007	0.0055	-0.0152	-0.0149	0.0148	0.0040
	Z	0.0030	0.0020	0.0005	0.0058	0.0141	0.0162
AT. 116 O	X	0.0106	0.0003	0.0012	-0.0016	-0.0014	0.0041
	Y	0.0007	-0.0055	0.0152	-0.0149	-0.0148	0.0040
	Z	-0.0030	0.0020	0.0005	-0.0058	0.0141	-0.0162
AT. 117 O	X	0.0032	0.0017	0.0116	0.0054	-0.0101	0.0104
	Y	0.0007	0.0001	0.0038	0.0025	0.0120	0.0178
	Z	-0.0040	-0.0036	-0.0245	-0.0274	0.0004	-0.0084
AT. 118 O	X	0.0032	-0.0017	-0.0116	0.0054	0.0101	0.0104
	Y	0.0007	-0.0001	-0.0038	0.0025	-0.0120	0.0178
	Z	0.0040	-0.0036	-0.0245	0.0274	0.0004	0.0084
AT. 119 O	X	-0.0032	0.0017	-0.0116	0.0054	0.0101	-0.0104
	Y	0.0007	-0.0001	0.0038	-0.0025	0.0120	0.0178
	Z	-0.0040	0.0036	-0.0245	0.0274	0.0004	-0.0084
AT. 120 O	X	-0.0032	-0.0017	0.0116	0.0054	-0.0101	-0.0104
	Y	0.0007	0.0001	-0.0038	-0.0025	-0.0120	0.0178
	Z	0.0040	0.0036	-0.0245	-0.0274	0.0004	0.0084
AT. 121 O	X	0.0032	0.0017	-0.0116	0.0054	-0.0101	-0.0104
	Y	0.0007	0.0001	-0.0038	0.0025	0.0120	-0.0178
	Z	-0.0040	-0.0036	0.0245	-0.0274	0.0004	0.0084
AT. 122 O	X	0.0032	-0.0017	0.0116	0.0054	0.0101	-0.0104
	Y	0.0007	-0.0001	0.0038	0.0025	-0.0120	-0.0178
	Z	0.0040	-0.0036	0.0245	0.0274	0.0004	-0.0084
AT. 123 O	X	-0.0032	0.0017	0.0116	0.0054	0.0101	0.0104
	Y	0.0007	-0.0001	-0.0038	-0.0025	0.0120	-0.0178
	Z	-0.0040	0.0036	0.0245	0.0274	0.0004	0.0084
AT. 124 O	X	-0.0032	-0.0017	-0.0116	0.0054	-0.0101	0.0104
	Y	0.0007	0.0001	0.0038	-0.0025	-0.0120	-0.0178
	Z	0.0040	0.0036	0.0245	-0.0274	0.0004	-0.0084

FREQ(CM**-1)	130.46	130.54	132.69	135.07	141.17	143.39
AT. 1 SI X	-0.0038	-0.0110	-0.0015	-0.0053	0.0037	-0.0084
Y	-0.0025	0.0009	-0.0111	-0.0030	0.0011	0.0060
Z	0.0005	-0.0046	0.0140	-0.0098	-0.0113	-0.0091
AT. 2 SI X	-0.0038	0.0110	0.0015	-0.0053	0.0037	0.0084
Y	-0.0025	-0.0009	0.0111	-0.0030	0.0011	-0.0060
Z	-0.0005	-0.0046	0.0140	0.0098	0.0113	-0.0091
AT. 3 SI X	-0.0038	0.0110	0.0015	-0.0053	-0.0037	-0.0084
Y	0.0025	0.0009	-0.0111	0.0030	0.0011	-0.0060

		Z	-0.0005	-0.0046	0.0140	0.0098	-0.0113	0.0091
AT.	4	SI X	-0.0038	-0.0110	-0.0015	-0.0053	-0.0037	0.0084
		Y	0.0025	-0.0009	0.0111	0.0030	0.0011	0.0060
		Z	0.0005	-0.0046	0.0140	-0.0098	0.0113	0.0091
AT.	5	SI X	0.0038	-0.0110	0.0015	-0.0053	0.0037	-0.0084
		Y	0.0025	0.0009	0.0111	-0.0030	0.0011	0.0060
		Z	-0.0005	-0.0046	-0.0140	-0.0098	-0.0113	-0.0091
AT.	6	SI X	0.0038	0.0110	-0.0015	-0.0053	0.0037	0.0084
		Y	0.0025	-0.0009	-0.0111	-0.0030	0.0011	-0.0060
		Z	0.0005	-0.0046	-0.0140	0.0098	0.0113	-0.0091
AT.	7	SI X	0.0038	0.0110	-0.0015	-0.0053	-0.0037	-0.0084
		Y	-0.0025	0.0009	0.0111	0.0030	0.0011	-0.0060
		Z	0.0005	-0.0046	-0.0140	0.0098	-0.0113	0.0091
AT.	8	SI X	0.0038	-0.0110	0.0015	-0.0053	-0.0037	0.0084
		Y	-0.0025	-0.0009	-0.0111	0.0030	0.0011	0.0060
		Z	-0.0005	-0.0046	-0.0140	-0.0098	0.0113	0.0091
AT.	9	SI X	0.0075	0.0134	-0.0004	0.0057	0.0003	0.0175
		Y	-0.0028	-0.0041	0.0100	-0.0119	-0.0066	0.0048
		Z	-0.0045	-0.0021	0.0063	-0.0109	-0.0017	-0.0054
AT.	10	SI X	0.0075	-0.0134	0.0004	0.0057	0.0003	-0.0175
		Y	-0.0028	0.0041	-0.0100	-0.0119	-0.0066	-0.0048
		Z	0.0045	-0.0021	0.0063	0.0109	0.0017	-0.0054
AT.	11	SI X	0.0075	-0.0134	0.0004	0.0057	-0.0003	0.0175
		Y	0.0028	-0.0041	0.0100	0.0119	-0.0066	-0.0048
		Z	0.0045	-0.0021	0.0063	0.0109	-0.0017	0.0054
AT.	12	SI X	0.0075	0.0134	-0.0004	0.0057	-0.0003	-0.0175
		Y	0.0028	0.0041	-0.0100	0.0119	-0.0066	0.0048
		Z	-0.0045	-0.0021	0.0063	-0.0109	0.0017	0.0054
AT.	13	SI X	-0.0075	0.0134	0.0004	0.0057	0.0003	0.0175
		Y	0.0028	-0.0041	-0.0100	-0.0119	-0.0066	0.0048
		Z	0.0045	-0.0021	-0.0063	-0.0109	-0.0017	-0.0054
AT.	14	SI X	-0.0075	-0.0134	-0.0004	0.0057	0.0003	-0.0175
		Y	0.0028	0.0041	0.0100	-0.0119	-0.0066	-0.0048
		Z	-0.0045	-0.0021	-0.0063	0.0109	0.0017	-0.0054
AT.	15	SI X	-0.0075	-0.0134	-0.0004	0.0057	-0.0003	0.0175
		Y	-0.0028	-0.0041	-0.0100	0.0119	-0.0066	-0.0048
		Z	-0.0045	-0.0021	-0.0063	0.0109	-0.0017	0.0054
AT.	16	SI X	-0.0075	0.0134	0.0004	0.0057	-0.0003	-0.0175
		Y	-0.0028	0.0041	0.0100	0.0119	-0.0066	0.0048
		Z	0.0045	-0.0021	-0.0063	-0.0109	0.0017	0.0054
AT.	17	SI X	0.0329	0.0297	0.0039	-0.0014	0.0000	0.0000
		Y	0.0000	0.0000	0.0000	0.0000	-0.0096	0.0106
		Z	-0.0027	0.0004	-0.0150	0.0075	0.0000	0.0000
AT.	18	SI X	0.0329	-0.0297	-0.0039	-0.0014	0.0000	0.0000
		Y	0.0000	0.0000	0.0000	0.0000	-0.0096	-0.0106
		Z	0.0027	0.0004	-0.0150	-0.0075	0.0000	0.0000
AT.	19	SI X	-0.0329	0.0297	-0.0039	-0.0014	0.0000	0.0000
		Y	0.0000	0.0000	0.0000	0.0000	-0.0096	0.0106
		Z	0.0027	0.0004	0.0150	0.0075	0.0000	0.0000
AT.	20	SI X	-0.0329	-0.0297	0.0039	-0.0014	0.0000	0.0000
		Y	0.0000	0.0000	0.0000	0.0000	-0.0096	-0.0106
		Z	-0.0027	0.0004	0.0150	-0.0075	0.0000	0.0000
AT.	21	CA X	0.0118	0.0087	0.0054	-0.0050	0.0035	-0.0148
		Y	-0.0035	0.0045	0.0070	-0.0029	-0.0013	0.0023
		Z	0.0005	0.0028	-0.0162	0.0056	-0.0170	0.0028
AT.	22	CA X	0.0118	-0.0087	-0.0054	-0.0050	0.0035	0.0148
		Y	-0.0035	-0.0045	-0.0070	-0.0029	-0.0013	-0.0023
		Z	-0.0005	0.0028	-0.0162	-0.0056	0.0170	0.0028
AT.	23	CA X	0.0118	-0.0087	-0.0054	-0.0050	-0.0035	-0.0148
		Y	0.0035	0.0045	0.0070	0.0029	-0.0013	-0.0023
		Z	-0.0005	0.0028	-0.0162	-0.0056	-0.0170	-0.0028

AT. 24	CA	X	0.0118	0.0087	0.0054	-0.0050	-0.0035	0.0148
		Y	0.0035	-0.0045	-0.0070	0.0029	-0.0013	0.0023
		Z	0.0005	0.0028	-0.0162	0.0056	0.0170	-0.0028
AT. 25	CA	X	-0.0118	0.0087	-0.0054	-0.0050	0.0035	-0.0148
		Y	0.0035	0.0045	-0.0070	-0.0029	-0.0013	0.0023
		Z	-0.0005	0.0028	0.0162	0.0056	-0.0170	0.0028
AT. 26	CA	X	-0.0118	-0.0087	0.0054	-0.0050	0.0035	0.0148
		Y	0.0035	-0.0045	0.0070	-0.0029	-0.0013	-0.0023
		Z	0.0005	0.0028	0.0162	-0.0056	0.0170	0.0028
AT. 27	CA	X	-0.0118	-0.0087	0.0054	-0.0050	-0.0035	-0.0148
		Y	-0.0035	0.0045	-0.0070	0.0029	-0.0013	-0.0023
		Z	0.0005	0.0028	0.0162	-0.0056	-0.0170	-0.0028
AT. 28	CA	X	-0.0118	0.0087	-0.0054	-0.0050	-0.0035	0.0148
		Y	-0.0035	-0.0045	0.0070	0.0029	-0.0013	0.0023
		Z	-0.0005	0.0028	0.0162	0.0056	0.0170	-0.0028
AT. 29	CA	X	0.0000	-0.0146	0.0000	-0.0080	0.0039	-0.0181
		Y	0.0000	0.0076	0.0000	-0.0279	-0.0196	-0.0011
		Z	0.0000	-0.0018	0.0000	0.0013	0.0064	-0.0043
AT. 30	CA	X	0.0000	0.0146	0.0000	-0.0080	0.0039	0.0181
		Y	0.0000	-0.0076	0.0000	-0.0279	-0.0196	0.0011
		Z	0.0000	-0.0018	0.0000	-0.0013	-0.0064	-0.0043
AT. 31	CA	X	0.0000	0.0146	0.0000	-0.0080	-0.0039	-0.0181
		Y	0.0000	0.0076	0.0000	0.0279	-0.0196	0.0011
		Z	0.0000	-0.0018	0.0000	-0.0013	0.0064	0.0043
AT. 32	CA	X	0.0000	-0.0146	0.0000	-0.0080	-0.0039	0.0181
		Y	0.0000	-0.0076	0.0000	0.0279	-0.0196	-0.0011
		Z	0.0000	-0.0018	0.0000	0.0013	-0.0064	0.0043
AT. 33	CA	X	0.0013	0.0007	-0.0036	0.0034	0.0066	0.0122
		Y	-0.0015	-0.0048	-0.0085	0.0070	0.0265	0.0129
		Z	0.0026	0.0018	0.0081	-0.0050	0.0151	-0.0042
AT. 34	CA	X	0.0013	-0.0007	0.0036	0.0034	0.0066	-0.0122
		Y	-0.0015	0.0048	0.0085	0.0070	0.0265	-0.0129
		Z	-0.0026	0.0018	0.0081	0.0050	-0.0151	-0.0042
AT. 35	CA	X	0.0013	-0.0007	0.0036	0.0034	-0.0066	0.0122
		Y	0.0015	-0.0048	-0.0085	-0.0070	0.0265	-0.0129
		Z	-0.0026	0.0018	0.0081	0.0050	0.0151	0.0042
AT. 36	CA	X	0.0013	0.0007	-0.0036	0.0034	-0.0066	-0.0122
		Y	0.0015	0.0048	0.0085	-0.0070	0.0265	0.0129
		Z	0.0026	0.0018	0.0081	-0.0050	-0.0151	0.0042
AT. 37	CA	X	-0.0013	0.0007	0.0036	0.0034	0.0066	0.0122
		Y	0.0015	-0.0048	0.0085	0.0070	0.0265	0.0129
		Z	-0.0026	0.0018	-0.0081	-0.0050	0.0151	-0.0042
AT. 38	CA	X	-0.0013	-0.0007	-0.0036	0.0034	0.0066	-0.0122
		Y	0.0015	0.0048	-0.0085	0.0070	0.0265	-0.0129
		Z	0.0026	0.0018	-0.0081	0.0050	-0.0151	-0.0042
AT. 39	CA	X	-0.0013	-0.0007	-0.0036	0.0034	-0.0066	0.0122
		Y	-0.0015	-0.0048	0.0085	-0.0070	0.0265	-0.0129
		Z	0.0026	0.0018	-0.0081	0.0050	0.0151	0.0042
AT. 40	CA	X	-0.0013	0.0007	0.0036	0.0034	-0.0066	-0.0122
		Y	-0.0015	0.0048	-0.0085	-0.0070	0.0265	0.0129
		Z	-0.0026	0.0018	-0.0081	-0.0050	-0.0151	0.0042
AT. 41	CA	X	-0.0273	-0.0276	-0.0031	0.0101	-0.0076	0.0144
		Y	-0.0013	-0.0047	-0.0084	0.0044	0.0068	-0.0059
		Z	0.0050	0.0031	0.0166	-0.0039	-0.0137	0.0078
AT. 42	CA	X	-0.0273	0.0276	0.0031	0.0101	-0.0076	-0.0144
		Y	-0.0013	0.0047	0.0084	0.0044	0.0068	0.0059
		Z	-0.0050	0.0031	0.0166	0.0039	0.0137	0.0078
AT. 43	CA	X	-0.0273	0.0276	0.0031	0.0101	0.0076	0.0144
		Y	0.0013	-0.0047	-0.0084	-0.0044	0.0068	0.0059
		Z	-0.0050	0.0031	0.0166	0.0039	-0.0137	-0.0078
AT. 44	CA	X	-0.0273	-0.0276	-0.0031	0.0101	0.0076	-0.0144

		Y	0.0013	0.0047	0.0084	-0.0044	0.0068	-0.0059
		Z	0.0050	0.0031	0.0166	-0.0039	0.0137	-0.0078
AT.	45 CA	X	0.0273	-0.0276	0.0031	0.0101	-0.0076	0.0144
		Y	0.0013	-0.0047	0.0084	0.0044	0.0068	-0.0059
		Z	-0.0050	0.0031	-0.0166	-0.0039	-0.0137	0.0078
AT.	46 CA	X	0.0273	0.0276	-0.0031	0.0101	-0.0076	-0.0144
		Y	0.0013	0.0047	-0.0084	0.0044	0.0068	0.0059
		Z	0.0050	0.0031	-0.0166	0.0039	0.0137	0.0078
AT.	47 CA	X	0.0273	0.0276	-0.0031	0.0101	0.0076	0.0144
		Y	-0.0013	-0.0047	0.0084	-0.0044	0.0068	0.0059
		Z	0.0050	0.0031	-0.0166	0.0039	-0.0137	-0.0078
AT.	48 CA	X	0.0273	-0.0276	0.0031	0.0101	0.0076	-0.0144
		Y	-0.0013	0.0047	-0.0084	-0.0044	0.0068	-0.0059
		Z	-0.0050	0.0031	-0.0166	-0.0039	0.0137	-0.0078
AT.	49 CA	X	-0.0222	-0.0028	-0.0006	-0.0015	0.0000	0.0000
		Y	0.0000	0.0000	0.0000	0.0000	-0.0132	-0.0043
		Z	0.0074	0.0186	0.0281	-0.0330	0.0000	0.0000
AT.	50 CA	X	-0.0222	0.0028	0.0006	-0.0015	0.0000	0.0000
		Y	0.0000	0.0000	0.0000	0.0000	-0.0132	0.0043
		Z	-0.0074	0.0186	0.0281	0.0330	0.0000	0.0000
AT.	51 CA	X	0.0222	-0.0028	0.0006	-0.0015	0.0000	0.0000
		Y	0.0000	0.0000	0.0000	0.0000	-0.0132	-0.0043
		Z	-0.0074	0.0186	-0.0281	-0.0330	0.0000	0.0000
AT.	52 CA	X	0.0222	0.0028	-0.0006	-0.0015	0.0000	0.0000
		Y	0.0000	0.0000	0.0000	0.0000	-0.0132	0.0043
		Z	0.0074	0.0186	-0.0281	0.0330	0.0000	0.0000
AT.	53 O	X	0.0002	-0.0082	-0.0063	-0.0039	0.0051	-0.0083
		Y	-0.0041	-0.0004	-0.0088	-0.0036	0.0012	0.0057
		Z	0.0016	-0.0061	0.0029	0.0017	0.0037	-0.0064
AT.	54 O	X	0.0002	0.0082	0.0063	-0.0039	0.0051	0.0083
		Y	-0.0041	0.0004	0.0088	-0.0036	0.0012	-0.0057
		Z	-0.0016	-0.0061	0.0029	-0.0017	-0.0037	-0.0064
AT.	55 O	X	0.0002	0.0082	0.0063	-0.0039	-0.0051	-0.0083
		Y	0.0041	-0.0004	-0.0088	0.0036	0.0012	-0.0057
		Z	-0.0016	-0.0061	0.0029	-0.0017	0.0037	0.0064
AT.	56 O	X	0.0002	-0.0082	-0.0063	-0.0039	-0.0051	0.0083
		Y	0.0041	0.0004	0.0088	0.0036	0.0012	0.0057
		Z	0.0016	-0.0061	0.0029	0.0017	-0.0037	0.0064
AT.	57 O	X	-0.0002	-0.0082	0.0063	-0.0039	0.0051	-0.0083
		Y	0.0041	-0.0004	0.0088	-0.0036	0.0012	0.0057
		Z	-0.0016	-0.0061	-0.0029	0.0017	0.0037	-0.0064
AT.	58 O	X	-0.0002	0.0082	-0.0063	-0.0039	0.0051	0.0083
		Y	0.0041	0.0004	-0.0088	-0.0036	0.0012	-0.0057
		Z	0.0016	-0.0061	-0.0029	-0.0017	-0.0037	-0.0064
AT.	59 O	X	-0.0002	0.0082	-0.0063	-0.0039	-0.0051	-0.0083
		Y	-0.0041	-0.0004	0.0088	0.0036	0.0012	-0.0057
		Z	0.0016	-0.0061	-0.0029	-0.0017	0.0037	0.0064
AT.	60 O	X	-0.0002	-0.0082	0.0063	-0.0039	-0.0051	0.0083
		Y	-0.0041	0.0004	-0.0088	0.0036	0.0012	0.0057
		Z	-0.0016	-0.0061	-0.0029	0.0017	-0.0037	0.0064
AT.	61 O	X	-0.0078	-0.0139	0.0002	0.0048	0.0024	0.0050
		Y	-0.0024	-0.0011	-0.0159	0.0057	0.0114	0.0081
		Z	-0.0012	-0.0045	0.0176	-0.0092	-0.0171	-0.0032
AT.	62 O	X	-0.0078	0.0139	-0.0002	0.0048	0.0024	-0.0050
		Y	-0.0024	0.0011	0.0159	0.0057	0.0114	-0.0081
		Z	0.0012	-0.0045	0.0176	0.0092	0.0171	-0.0032
AT.	63 O	X	-0.0078	0.0139	-0.0002	0.0048	-0.0024	0.0050
		Y	0.0024	-0.0011	-0.0159	-0.0057	0.0114	-0.0081
		Z	0.0012	-0.0045	0.0176	0.0092	-0.0171	0.0032
AT.	64 O	X	-0.0078	-0.0139	0.0002	0.0048	-0.0024	-0.0050
		Y	0.0024	0.0011	0.0159	-0.0057	0.0114	0.0081

		Z	-0.0012	-0.0045	0.0176	-0.0092	0.0171	0.0032
AT.	65 O	X	0.0078	-0.0139	-0.0002	0.0048	0.0024	0.0050
		Y	0.0024	-0.0011	0.0159	0.0057	0.0114	0.0081
		Z	0.0012	-0.0045	-0.0176	-0.0092	-0.0171	-0.0032
AT.	66 O	X	0.0078	0.0139	0.0002	0.0048	0.0024	-0.0050
		Y	0.0024	0.0011	-0.0159	0.0057	0.0114	-0.0081
		Z	-0.0012	-0.0045	-0.0176	0.0092	0.0171	-0.0032
AT.	67 O	X	0.0078	0.0139	0.0002	0.0048	-0.0024	0.0050
		Y	-0.0024	-0.0011	0.0159	-0.0057	0.0114	-0.0081
		Z	-0.0012	-0.0045	-0.0176	0.0092	-0.0171	0.0032
AT.	68 O	X	0.0078	-0.0139	-0.0002	0.0048	-0.0024	-0.0050
		Y	-0.0024	0.0011	-0.0159	-0.0057	0.0114	0.0081
		Z	0.0012	-0.0045	-0.0176	-0.0092	0.0171	0.0032
AT.	69 O	X	-0.0046	-0.0090	-0.0007	-0.0148	0.0031	-0.0189
		Y	-0.0023	0.0023	-0.0031	-0.0138	-0.0084	0.0021
		Z	0.0008	-0.0049	0.0177	-0.0101	-0.0158	-0.0053
AT.	70 O	X	-0.0046	0.0090	0.0007	-0.0148	0.0031	0.0189
		Y	-0.0023	-0.0023	0.0031	-0.0138	-0.0084	-0.0021
		Z	-0.0008	-0.0049	0.0177	0.0101	0.0158	-0.0053
AT.	71 O	X	-0.0046	0.0090	0.0007	-0.0148	-0.0031	-0.0189
		Y	0.0023	0.0023	-0.0031	0.0138	-0.0084	-0.0021
		Z	-0.0008	-0.0049	0.0177	0.0101	-0.0158	0.0053
AT.	72 O	X	-0.0046	-0.0090	-0.0007	-0.0148	-0.0031	0.0189
		Y	0.0023	-0.0023	0.0031	0.0138	-0.0084	0.0021
		Z	0.0008	-0.0049	0.0177	-0.0101	0.0158	0.0053
AT.	73 O	X	0.0046	-0.0090	0.0007	-0.0148	0.0031	-0.0189
		Y	0.0023	0.0023	0.0031	-0.0138	-0.0084	0.0021
		Z	-0.0008	-0.0049	-0.0177	-0.0101	-0.0158	-0.0053
AT.	74 O	X	0.0046	0.0090	-0.0007	-0.0148	0.0031	0.0189
		Y	0.0023	-0.0023	-0.0031	-0.0138	-0.0084	-0.0021
		Z	0.0008	-0.0049	-0.0177	0.0101	0.0158	-0.0053
AT.	75 O	X	0.0046	0.0090	-0.0007	-0.0148	-0.0031	-0.0189
		Y	-0.0023	0.0023	0.0031	0.0138	-0.0084	-0.0021
		Z	0.0008	-0.0049	-0.0177	0.0101	-0.0158	0.0053
AT.	76 O	X	0.0046	-0.0090	0.0007	-0.0148	-0.0031	0.0189
		Y	-0.0023	-0.0023	-0.0031	0.0138	-0.0084	0.0021
		Z	-0.0008	-0.0049	-0.0177	-0.0101	0.0158	0.0053
AT.	77 O	X	-0.0040	-0.0110	-0.0018	-0.0049	0.0038	-0.0083
		Y	-0.0017	0.0015	-0.0144	-0.0043	0.0006	0.0050
		Z	0.0003	-0.0040	0.0090	-0.0121	-0.0047	-0.0133
AT.	78 O	X	-0.0040	0.0110	0.0018	-0.0049	0.0038	0.0083
		Y	-0.0017	-0.0015	0.0144	-0.0043	0.0006	-0.0050
		Z	-0.0003	-0.0040	0.0090	0.0121	0.0047	-0.0133
AT.	79 O	X	-0.0040	0.0110	0.0018	-0.0049	-0.0038	-0.0083
		Y	0.0017	0.0015	-0.0144	0.0043	0.0006	-0.0050
		Z	-0.0003	-0.0040	0.0090	0.0121	-0.0047	0.0133
AT.	80 O	X	-0.0040	-0.0110	-0.0018	-0.0049	-0.0038	0.0083
		Y	0.0017	-0.0015	0.0144	0.0043	0.0006	0.0050
		Z	0.0003	-0.0040	0.0090	-0.0121	0.0047	0.0133
AT.	81 O	X	0.0040	-0.0110	0.0018	-0.0049	0.0038	-0.0083
		Y	0.0017	0.0015	0.0144	-0.0043	0.0006	0.0050
		Z	-0.0003	-0.0040	-0.0090	-0.0121	-0.0047	-0.0133
AT.	82 O	X	0.0040	0.0110	-0.0018	-0.0049	0.0038	0.0083
		Y	0.0017	-0.0015	-0.0144	-0.0043	0.0006	-0.0050
		Z	0.0003	-0.0040	-0.0090	0.0121	0.0047	-0.0133
AT.	83 O	X	0.0040	0.0110	-0.0018	-0.0049	-0.0038	-0.0083
		Y	-0.0017	0.0015	0.0144	0.0043	0.0006	-0.0050
		Z	0.0003	-0.0040	-0.0090	0.0121	-0.0047	0.0133
AT.	84 O	X	0.0040	-0.0110	0.0018	-0.0049	-0.0038	0.0083
		Y	-0.0017	-0.0015	-0.0144	0.0043	0.0006	0.0050
		Z	-0.0003	-0.0040	-0.0090	-0.0121	0.0047	0.0133

AT.	85	O	X	0.0132	0.0180	-0.0055	0.0106	0.0014	0.0177
			Y	-0.0059	-0.0020	0.0119	-0.0039	-0.0026	0.0065
			Z	0.0015	-0.0009	0.0011	-0.0108	-0.0024	-0.0057
AT.	86	O	X	0.0132	-0.0180	0.0055	0.0106	0.0014	-0.0177
			Y	-0.0059	0.0020	-0.0119	-0.0039	-0.0026	-0.0065
			Z	-0.0015	-0.0009	0.0011	0.0108	0.0024	-0.0057
AT.	87	O	X	0.0132	-0.0180	0.0055	0.0106	-0.0014	0.0177
			Y	0.0059	-0.0020	0.0119	0.0039	-0.0026	-0.0065
			Z	-0.0015	-0.0009	0.0011	0.0108	-0.0024	0.0057
AT.	88	O	X	0.0132	0.0180	-0.0055	0.0106	-0.0014	-0.0177
			Y	0.0059	0.0020	-0.0119	0.0039	-0.0026	0.0065
			Z	0.0015	-0.0009	0.0011	-0.0108	0.0024	0.0057
AT.	89	O	X	-0.0132	0.0180	0.0055	0.0106	0.0014	0.0177
			Y	0.0059	-0.0020	-0.0119	-0.0039	-0.0026	0.0065
			Z	-0.0015	-0.0009	-0.0011	-0.0108	-0.0024	-0.0057
AT.	90	O	X	-0.0132	-0.0180	-0.0055	0.0106	0.0014	-0.0177
			Y	0.0059	0.0020	0.0119	-0.0039	-0.0026	-0.0065
			Z	0.0015	-0.0009	-0.0011	0.0108	0.0024	-0.0057
AT.	91	O	X	-0.0132	-0.0180	-0.0055	0.0106	-0.0014	0.0177
			Y	-0.0059	-0.0020	-0.0119	0.0039	-0.0026	-0.0065
			Z	0.0015	-0.0009	-0.0011	0.0108	-0.0024	0.0057
AT.	92	O	X	-0.0132	0.0180	0.0055	0.0106	-0.0014	-0.0177
			Y	-0.0059	0.0020	0.0119	0.0039	-0.0026	0.0065
			Z	-0.0015	-0.0009	-0.0011	-0.0108	0.0024	0.0057
AT.	93	O	X	-0.0084	-0.0022	0.0039	0.0028	-0.0088	0.0209
			Y	0.0038	0.0022	0.0068	-0.0107	-0.0023	0.0027
			Z	-0.0085	-0.0040	0.0125	-0.0028	0.0002	-0.0018
AT.	94	O	X	-0.0084	0.0022	-0.0039	0.0028	-0.0088	-0.0209
			Y	0.0038	-0.0022	-0.0068	-0.0107	-0.0023	-0.0027
			Z	0.0085	-0.0040	0.0125	0.0028	-0.0002	-0.0018
AT.	95	O	X	-0.0084	0.0022	-0.0039	0.0028	0.0088	0.0209
			Y	-0.0038	0.0022	0.0068	0.0107	-0.0023	-0.0027
			Z	0.0085	-0.0040	0.0125	0.0028	0.0002	0.0018
AT.	96	O	X	-0.0084	-0.0022	0.0039	0.0028	0.0088	-0.0209
			Y	-0.0038	-0.0022	-0.0068	0.0107	-0.0023	0.0027
			Z	-0.0085	-0.0040	0.0125	-0.0028	-0.0002	0.0018
AT.	97	O	X	0.0084	-0.0022	-0.0039	0.0028	-0.0088	0.0209
			Y	-0.0038	0.0022	-0.0068	-0.0107	-0.0023	0.0027
			Z	0.0085	-0.0040	-0.0125	-0.0028	0.0002	-0.0018
AT.	98	O	X	0.0084	0.0022	0.0039	0.0028	-0.0088	-0.0209
			Y	-0.0038	-0.0022	0.0068	-0.0107	-0.0023	-0.0027
			Z	-0.0085	-0.0040	-0.0125	0.0028	-0.0002	-0.0018
AT.	99	O	X	0.0084	0.0022	0.0039	0.0028	0.0088	0.0209
			Y	0.0038	0.0022	-0.0068	0.0107	-0.0023	-0.0027
			Z	-0.0085	-0.0040	-0.0125	0.0028	0.0002	0.0018
AT.	100	O	X	0.0084	-0.0022	-0.0039	0.0028	0.0088	-0.0209
			Y	0.0038	-0.0022	0.0068	0.0107	-0.0023	0.0027
			Z	0.0085	-0.0040	-0.0125	-0.0028	-0.0002	0.0018
AT.	101	O	X	0.0217	0.0245	0.0060	0.0018	0.0020	0.0084
			Y	0.0112	0.0014	0.0086	-0.0190	-0.0077	0.0074
			Z	0.0012	-0.0018	0.0004	-0.0122	0.0008	0.0029
AT.	102	O	X	0.0217	-0.0245	-0.0060	0.0018	0.0020	-0.0084
			Y	0.0112	-0.0014	-0.0086	-0.0190	-0.0077	-0.0074
			Z	-0.0012	-0.0018	0.0004	0.0122	-0.0008	0.0029
AT.	103	O	X	0.0217	-0.0245	-0.0060	0.0018	-0.0020	0.0084
			Y	-0.0112	0.0014	0.0086	0.0190	-0.0077	-0.0074
			Z	-0.0012	-0.0018	0.0004	0.0122	0.0008	-0.0029
AT.	104	O	X	0.0217	0.0245	0.0060	0.0018	-0.0020	-0.0084
			Y	-0.0112	-0.0014	-0.0086	0.0190	-0.0077	0.0074
			Z	0.0012	-0.0018	0.0004	-0.0122	-0.0008	-0.0029
AT.	105	O	X	-0.0217	0.0245	-0.0060	0.0018	0.0020	0.0084

	Y	-0.0112	0.0014	-0.0086	-0.0190	-0.0077	0.0074
	Z	-0.0012	-0.0018	-0.0004	-0.0122	0.0008	0.0029
AT. 106 O	X	-0.0217	-0.0245	0.0060	0.0018	0.0020	-0.0084
	Y	-0.0112	-0.0014	0.0086	-0.0190	-0.0077	-0.0074
	Z	0.0012	-0.0018	-0.0004	0.0122	-0.0008	0.0029
AT. 107 O	X	-0.0217	-0.0245	0.0060	0.0018	-0.0020	0.0084
	Y	0.0112	0.0014	-0.0086	0.0190	-0.0077	-0.0074
	Z	0.0012	-0.0018	-0.0004	0.0122	0.0008	-0.0029
AT. 108 O	X	-0.0217	0.0245	-0.0060	0.0018	-0.0020	-0.0084
	Y	0.0112	-0.0014	0.0086	0.0190	-0.0077	0.0074
	Z	-0.0012	-0.0018	-0.0004	-0.0122	-0.0008	-0.0029
AT. 109 O	X	0.0088	0.0142	0.0004	0.0056	-0.0006	0.0178
	Y	-0.0106	-0.0112	0.0069	-0.0080	-0.0055	0.0068
	Z	-0.0014	-0.0049	0.0108	-0.0144	0.0003	-0.0143
AT. 110 O	X	0.0088	-0.0142	-0.0004	0.0056	-0.0006	-0.0178
	Y	-0.0106	0.0112	-0.0069	-0.0080	-0.0055	-0.0068
	Z	0.0014	-0.0049	0.0108	0.0144	-0.0003	-0.0143
AT. 111 O	X	0.0088	-0.0142	-0.0004	0.0056	0.0006	0.0178
	Y	0.0106	-0.0112	0.0069	0.0080	-0.0055	-0.0068
	Z	0.0014	-0.0049	0.0108	0.0144	0.0003	0.0143
AT. 112 O	X	0.0088	0.0142	0.0004	0.0056	0.0006	-0.0178
	Y	0.0106	0.0112	-0.0069	0.0080	-0.0055	0.0068
	Z	-0.0014	-0.0049	0.0108	-0.0144	-0.0003	0.0143
AT. 113 O	X	-0.0088	0.0142	-0.0004	0.0056	-0.0006	0.0178
	Y	0.0106	-0.0112	-0.0069	-0.0080	-0.0055	0.0068
	Z	0.0014	-0.0049	-0.0108	-0.0144	0.0003	-0.0143
AT. 114 O	X	-0.0088	-0.0142	0.0004	0.0056	-0.0006	-0.0178
	Y	0.0106	0.0112	0.0069	-0.0080	-0.0055	-0.0068
	Z	-0.0014	-0.0049	-0.0108	0.0144	-0.0003	-0.0143
AT. 115 O	X	-0.0088	-0.0142	0.0004	0.0056	0.0006	0.0178
	Y	-0.0106	-0.0112	-0.0069	0.0080	-0.0055	-0.0068
	Z	-0.0014	-0.0049	-0.0108	0.0144	0.0003	0.0143
AT. 116 O	X	-0.0088	0.0142	-0.0004	0.0056	0.0006	-0.0178
	Y	-0.0106	0.0112	0.0069	0.0080	-0.0055	0.0068
	Z	0.0014	-0.0049	-0.0108	-0.0144	-0.0003	0.0143
AT. 117 O	X	0.0412	0.0293	0.0088	-0.0113	0.0142	0.0146
	Y	-0.0033	-0.0025	0.0083	-0.0091	-0.0080	0.0091
	Z	-0.0071	0.0029	-0.0292	0.0275	-0.0169	-0.0118
AT. 118 O	X	0.0412	-0.0293	-0.0088	-0.0113	0.0142	-0.0146
	Y	-0.0033	0.0025	-0.0083	-0.0091	-0.0080	-0.0091
	Z	0.0071	0.0029	-0.0292	-0.0275	0.0169	-0.0118
AT. 119 O	X	0.0412	-0.0293	-0.0088	-0.0113	-0.0142	0.0146
	Y	0.0033	-0.0025	0.0083	0.0091	-0.0080	-0.0091
	Z	0.0071	0.0029	-0.0292	-0.0275	-0.0169	0.0118
AT. 120 O	X	0.0412	0.0293	0.0088	-0.0113	-0.0142	-0.0146
	Y	0.0033	0.0025	-0.0083	0.0091	-0.0080	0.0091
	Z	-0.0071	0.0029	-0.0292	0.0275	0.0169	0.0118
AT. 121 O	X	-0.0412	0.0293	-0.0088	-0.0113	0.0142	0.0146
	Y	0.0033	-0.0025	-0.0083	-0.0091	-0.0080	0.0091
	Z	0.0071	0.0029	0.0292	0.0275	-0.0169	-0.0118
AT. 122 O	X	-0.0412	-0.0293	0.0088	-0.0113	0.0142	-0.0146
	Y	0.0033	0.0025	0.0083	-0.0091	-0.0080	-0.0091
	Z	-0.0071	0.0029	0.0292	-0.0275	0.0169	-0.0118
AT. 123 O	X	-0.0412	-0.0293	0.0088	-0.0113	-0.0142	0.0146
	Y	-0.0033	-0.0025	-0.0083	0.0091	-0.0080	-0.0091
	Z	-0.0071	0.0029	0.0292	-0.0275	-0.0169	0.0118
AT. 124 O	X	-0.0412	0.0293	-0.0088	-0.0113	-0.0142	-0.0146
	Y	-0.0033	0.0025	0.0083	0.0091	-0.0080	0.0091
	Z	0.0071	0.0029	0.0292	0.0275	0.0169	0.0118

FREQ(CM**-1)	143.81	144.61	144.93	145.94	147.02	148.79

AT.	1 SI	X	0.0198	0.0136	-0.0051	-0.0155	-0.0021	0.0044
		Y	-0.0024	-0.0100	0.0002	-0.0081	0.0023	0.0043
		Z	0.0007	0.0025	-0.0021	0.0028	-0.0158	0.0080
AT.	2 SI	X	-0.0198	0.0136	0.0051	-0.0155	-0.0021	0.0044
		Y	0.0024	-0.0100	-0.0002	-0.0081	0.0023	0.0043
		Z	0.0007	-0.0025	-0.0021	-0.0028	0.0158	-0.0080
AT.	3 SI	X	0.0198	0.0136	0.0051	-0.0155	0.0021	0.0044
		Y	0.0024	0.0100	0.0002	0.0081	0.0023	-0.0043
		Z	-0.0007	-0.0025	-0.0021	-0.0028	-0.0158	-0.0080
AT.	4 SI	X	-0.0198	0.0136	-0.0051	-0.0155	0.0021	0.0044
		Y	-0.0024	0.0100	-0.0002	0.0081	0.0023	-0.0043
		Z	-0.0007	0.0025	-0.0021	0.0028	0.0158	0.0080
AT.	5 SI	X	-0.0198	-0.0136	-0.0051	0.0155	0.0021	0.0044
		Y	0.0024	0.0100	0.0002	0.0081	-0.0023	0.0043
		Z	-0.0007	-0.0025	-0.0021	-0.0028	0.0158	0.0080
AT.	6 SI	X	0.0198	-0.0136	0.0051	0.0155	0.0021	0.0044
		Y	-0.0024	0.0100	-0.0002	0.0081	-0.0023	0.0043
		Z	-0.0007	0.0025	-0.0021	0.0028	-0.0158	-0.0080
AT.	7 SI	X	-0.0198	-0.0136	0.0051	0.0155	-0.0021	0.0044
		Y	-0.0024	-0.0100	0.0002	-0.0081	-0.0023	-0.0043
		Z	0.0007	0.0025	-0.0021	0.0028	0.0158	-0.0080
AT.	8 SI	X	0.0198	-0.0136	-0.0051	0.0155	-0.0021	0.0044
		Y	0.0024	-0.0100	-0.0002	-0.0081	-0.0023	-0.0043
		Z	0.0007	-0.0025	-0.0021	-0.0028	-0.0158	0.0080
AT.	9 SI	X	0.0116	-0.0066	0.0087	-0.0117	0.0033	-0.0065
		Y	0.0027	0.0001	-0.0029	0.0021	0.0031	0.0040
		Z	0.0056	0.0023	-0.0065	0.0061	0.0102	0.0000
AT.	10 SI	X	-0.0116	-0.0066	-0.0087	-0.0117	0.0033	-0.0065
		Y	-0.0027	0.0001	0.0029	0.0021	0.0031	0.0040
		Z	0.0056	-0.0023	-0.0065	-0.0061	-0.0102	0.0000
AT.	11 SI	X	0.0116	-0.0066	-0.0087	-0.0117	-0.0033	-0.0065
		Y	-0.0027	-0.0001	-0.0029	-0.0021	0.0031	-0.0040
		Z	-0.0056	-0.0023	-0.0065	-0.0061	0.0102	0.0000
AT.	12 SI	X	-0.0116	-0.0066	0.0087	-0.0117	-0.0033	-0.0065
		Y	0.0027	-0.0001	0.0029	-0.0021	0.0031	-0.0040
		Z	-0.0056	0.0023	-0.0065	0.0061	-0.0102	0.0000
AT.	13 SI	X	-0.0116	0.0066	0.0087	0.0117	-0.0033	-0.0065
		Y	-0.0027	-0.0001	-0.0029	-0.0021	-0.0031	0.0040
		Z	-0.0056	-0.0023	-0.0065	-0.0061	-0.0102	0.0000
AT.	14 SI	X	0.0116	0.0066	-0.0087	0.0117	-0.0033	-0.0065
		Y	0.0027	-0.0001	0.0029	-0.0021	-0.0031	0.0040
		Z	-0.0056	0.0023	-0.0065	0.0061	0.0102	0.0000
AT.	15 SI	X	-0.0116	0.0066	-0.0087	0.0117	0.0033	-0.0065
		Y	0.0027	0.0001	-0.0029	0.0021	-0.0031	-0.0040
		Z	0.0056	0.0023	-0.0065	0.0061	-0.0102	0.0000
AT.	16 SI	X	0.0116	0.0066	0.0087	0.0117	0.0033	-0.0065
		Y	-0.0027	0.0001	0.0029	0.0021	-0.0031	-0.0040
		Z	0.0056	-0.0023	-0.0065	-0.0061	0.0102	0.0000
AT.	17 SI	X	0.0000	0.0110	-0.0165	0.0031	0.0000	-0.0074
		Y	0.0026	0.0000	0.0000	0.0000	-0.0105	0.0000
		Z	0.0000	-0.0008	-0.0082	0.0025	0.0000	-0.0053
AT.	18 SI	X	0.0000	0.0110	0.0165	0.0031	0.0000	-0.0074
		Y	-0.0026	0.0000	0.0000	0.0000	-0.0105	0.0000
		Z	0.0000	0.0008	-0.0082	-0.0025	0.0000	0.0053
AT.	19 SI	X	0.0000	-0.0110	-0.0165	-0.0031	0.0000	-0.0074
		Y	-0.0026	0.0000	0.0000	0.0000	0.0105	0.0000
		Z	0.0000	0.0008	-0.0082	-0.0025	0.0000	-0.0053
AT.	20 SI	X	0.0000	-0.0110	0.0165	-0.0031	0.0000	-0.0074
		Y	0.0026	0.0000	0.0000	0.0000	0.0105	0.0000
		Z	0.0000	-0.0008	-0.0082	0.0025	0.0000	0.0053

AT.	21	CA	X	-0.0156	-0.0220	0.0032	0.0137	-0.0041	0.0034
			Y	-0.0066	-0.0108	0.0007	-0.0048	-0.0020	-0.0050
			Z	0.0074	0.0015	-0.0035	-0.0025	0.0240	0.0024
AT.	22	CA	X	0.0156	-0.0220	-0.0032	0.0137	-0.0041	0.0034
			Y	0.0066	-0.0108	-0.0007	-0.0048	-0.0020	-0.0050
			Z	0.0074	-0.0015	-0.0035	0.0025	-0.0240	-0.0024
AT.	23	CA	X	-0.0156	-0.0220	-0.0032	0.0137	0.0041	0.0034
			Y	0.0066	0.0108	0.0007	0.0048	-0.0020	0.0050
			Z	-0.0074	-0.0015	-0.0035	0.0025	0.0240	-0.0024
AT.	24	CA	X	0.0156	-0.0220	0.0032	0.0137	0.0041	0.0034
			Y	-0.0066	0.0108	-0.0007	0.0048	-0.0020	0.0050
			Z	-0.0074	0.0015	-0.0035	-0.0025	-0.0240	0.0024
AT.	25	CA	X	0.0156	0.0220	0.0032	-0.0137	0.0041	0.0034
			Y	0.0066	0.0108	0.0007	0.0048	0.0020	-0.0050
			Z	-0.0074	-0.0015	-0.0035	0.0025	-0.0240	0.0024
AT.	26	CA	X	-0.0156	0.0220	-0.0032	-0.0137	0.0041	0.0034
			Y	-0.0066	0.0108	-0.0007	0.0048	0.0020	-0.0050
			Z	-0.0074	0.0015	-0.0035	-0.0025	0.0240	-0.0024
AT.	27	CA	X	0.0156	0.0220	-0.0032	-0.0137	-0.0041	0.0034
			Y	-0.0066	-0.0108	0.0007	-0.0048	0.0020	0.0050
			Z	0.0074	0.0015	-0.0035	-0.0025	-0.0240	-0.0024
AT.	28	CA	X	-0.0156	0.0220	0.0032	-0.0137	-0.0041	0.0034
			Y	0.0066	-0.0108	-0.0007	-0.0048	0.0020	0.0050
			Z	0.0074	-0.0015	-0.0035	0.0025	0.0240	0.0024
AT.	29	CA	X	0.0000	0.0000	-0.0147	0.0000	0.0000	0.0113
			Y	0.0000	0.0000	-0.0100	0.0000	0.0000	0.0012
			Z	0.0000	0.0000	0.0177	0.0000	0.0000	0.0071
AT.	30	CA	X	0.0000	0.0000	0.0147	0.0000	0.0000	0.0113
			Y	0.0000	0.0000	0.0100	0.0000	0.0000	0.0012
			Z	0.0000	0.0000	0.0177	0.0000	0.0000	-0.0071
AT.	31	CA	X	0.0000	0.0000	0.0147	0.0000	0.0000	0.0113
			Y	0.0000	0.0000	-0.0100	0.0000	0.0000	-0.0012
			Z	0.0000	0.0000	0.0177	0.0000	0.0000	-0.0071
AT.	32	CA	X	0.0000	0.0000	-0.0147	0.0000	0.0000	0.0113
			Y	0.0000	0.0000	0.0100	0.0000	0.0000	-0.0012
			Z	0.0000	0.0000	0.0177	0.0000	0.0000	0.0071
AT.	33	CA	X	0.0246	0.0037	0.0110	-0.0226	-0.0014	-0.0089
			Y	-0.0007	-0.0009	0.0064	-0.0078	-0.0073	0.0089
			Z	0.0088	0.0025	0.0146	-0.0057	-0.0113	-0.0027
AT.	34	CA	X	-0.0246	0.0037	-0.0110	-0.0226	-0.0014	-0.0089
			Y	0.0007	-0.0009	-0.0064	-0.0078	-0.0073	0.0089
			Z	0.0088	-0.0025	0.0146	0.0057	0.0113	0.0027
AT.	35	CA	X	0.0246	0.0037	-0.0110	-0.0226	0.0014	-0.0089
			Y	0.0007	0.0009	0.0064	0.0078	-0.0073	-0.0089
			Z	-0.0088	-0.0025	0.0146	0.0057	-0.0113	0.0027
AT.	36	CA	X	-0.0246	0.0037	0.0110	-0.0226	0.0014	-0.0089
			Y	-0.0007	0.0009	-0.0064	0.0078	-0.0073	-0.0089
			Z	-0.0088	0.0025	0.0146	-0.0057	0.0113	-0.0027
AT.	37	CA	X	-0.0246	-0.0037	0.0110	0.0226	0.0014	-0.0089
			Y	0.0007	0.0009	0.0064	0.0078	0.0073	0.0089
			Z	-0.0088	-0.0025	0.0146	0.0057	0.0113	-0.0027
AT.	38	CA	X	0.0246	-0.0037	-0.0110	0.0226	0.0014	-0.0089
			Y	-0.0007	0.0009	-0.0064	0.0078	0.0073	0.0089
			Z	-0.0088	0.0025	0.0146	-0.0057	-0.0113	0.0027
AT.	39	CA	X	-0.0246	-0.0037	-0.0110	0.0226	-0.0014	-0.0089
			Y	-0.0007	-0.0009	0.0064	-0.0078	0.0073	-0.0089
			Z	0.0088	0.0025	0.0146	-0.0057	0.0113	0.0027
AT.	40	CA	X	0.0246	-0.0037	0.0110	0.0226	-0.0014	-0.0089
			Y	0.0007	-0.0009	-0.0064	-0.0078	0.0073	-0.0089
			Z	0.0088	-0.0025	0.0146	0.0057	-0.0113	-0.0027
AT.	41	CA	X	0.0092	0.0075	0.0051	-0.0027	-0.0034	-0.0099

		Y	-0.0021	-0.0019	-0.0002	0.0020	0.0002	0.0111
		Z	0.0110	0.0113	-0.0157	-0.0049	-0.0236	0.0002
AT.	42	CA X	-0.0092	0.0075	-0.0051	-0.0027	-0.0034	-0.0099
		Y	0.0021	-0.0019	0.0002	0.0020	0.0002	0.0111
		Z	0.0110	-0.0113	-0.0157	0.0049	0.0236	-0.0002
AT.	43	CA X	0.0092	0.0075	-0.0051	-0.0027	0.0034	-0.0099
		Y	0.0021	0.0019	-0.0002	-0.0020	0.0002	-0.0111
		Z	-0.0110	-0.0113	-0.0157	0.0049	-0.0236	-0.0002
AT.	44	CA X	-0.0092	0.0075	0.0051	-0.0027	0.0034	-0.0099
		Y	-0.0021	0.0019	0.0002	-0.0020	0.0002	-0.0111
		Z	-0.0110	0.0113	-0.0157	-0.0049	0.0236	0.0002
AT.	45	CA X	-0.0092	-0.0075	0.0051	0.0027	0.0034	-0.0099
		Y	0.0021	0.0019	-0.0002	-0.0020	-0.0002	0.0111
		Z	-0.0110	-0.0113	-0.0157	0.0049	0.0236	0.0002
AT.	46	CA X	0.0092	-0.0075	-0.0051	0.0027	0.0034	-0.0099
		Y	-0.0021	0.0019	0.0002	-0.0020	-0.0002	0.0111
		Z	-0.0110	0.0113	-0.0157	-0.0049	-0.0236	-0.0002
AT.	47	CA X	-0.0092	-0.0075	-0.0051	0.0027	-0.0034	-0.0099
		Y	-0.0021	-0.0019	-0.0002	0.0020	-0.0002	-0.0111
		Z	0.0110	0.0113	-0.0157	-0.0049	0.0236	-0.0002
AT.	48	CA X	0.0092	-0.0075	0.0051	0.0027	-0.0034	-0.0099
		Y	0.0021	-0.0019	0.0002	0.0020	-0.0002	-0.0111
		Z	0.0110	-0.0113	-0.0157	0.0049	-0.0236	0.0002
AT.	49	CA X	0.0000	0.0056	-0.0004	0.0287	0.0000	0.0441
		Y	0.0046	0.0000	0.0000	0.0000	0.0245	0.0000
		Z	0.0000	-0.0149	0.0213	-0.0114	0.0000	-0.0321
AT.	50	CA X	0.0000	0.0056	0.0004	0.0287	0.0000	0.0441
		Y	-0.0046	0.0000	0.0000	0.0000	0.0245	0.0000
		Z	0.0000	0.0149	0.0213	0.0114	0.0000	0.0321
AT.	51	CA X	0.0000	-0.0056	-0.0004	-0.0287	0.0000	0.0441
		Y	-0.0046	0.0000	0.0000	0.0000	-0.0245	0.0000
		Z	0.0000	0.0149	0.0213	0.0114	0.0000	-0.0321
AT.	52	CA X	0.0000	-0.0056	0.0004	-0.0287	0.0000	0.0441
		Y	0.0046	0.0000	0.0000	0.0000	-0.0245	0.0000
		Z	0.0000	-0.0149	0.0213	-0.0114	0.0000	0.0321
AT.	53	O X	0.0118	0.0027	-0.0017	-0.0111	0.0008	0.0075
		Y	0.0008	-0.0054	-0.0007	-0.0101	0.0009	0.0027
		Z	-0.0003	0.0022	0.0042	0.0019	-0.0064	0.0101
AT.	54	O X	-0.0118	0.0027	0.0017	-0.0111	0.0008	0.0075
		Y	-0.0008	-0.0054	0.0007	-0.0101	0.0009	0.0027
		Z	-0.0003	-0.0022	0.0042	-0.0019	0.0064	-0.0101
AT.	55	O X	0.0118	0.0027	0.0017	-0.0111	-0.0008	0.0075
		Y	-0.0008	0.0054	-0.0007	0.0101	0.0009	-0.0027
		Z	0.0003	-0.0022	0.0042	-0.0019	-0.0064	-0.0101
AT.	56	O X	-0.0118	0.0027	-0.0017	-0.0111	-0.0008	0.0075
		Y	0.0008	0.0054	0.0007	0.0101	0.0009	-0.0027
		Z	0.0003	0.0022	0.0042	0.0019	0.0064	0.0101
AT.	57	O X	-0.0118	-0.0027	-0.0017	0.0111	-0.0008	0.0075
		Y	-0.0008	0.0054	-0.0007	0.0101	-0.0009	0.0027
		Z	0.0003	-0.0022	0.0042	-0.0019	0.0064	0.0101
AT.	58	O X	0.0118	-0.0027	0.0017	0.0111	-0.0008	0.0075
		Y	0.0008	0.0054	0.0007	0.0101	-0.0009	0.0027
		Z	0.0003	0.0022	0.0042	0.0019	-0.0064	-0.0101
AT.	59	O X	-0.0118	-0.0027	0.0017	0.0111	0.0008	0.0075
		Y	0.0008	-0.0054	-0.0007	-0.0101	-0.0009	-0.0027
		Z	-0.0003	0.0022	0.0042	0.0019	0.0064	-0.0101
AT.	60	O X	0.0118	-0.0027	-0.0017	0.0111	0.0008	0.0075
		Y	-0.0008	-0.0054	0.0007	-0.0101	-0.0009	-0.0027
		Z	-0.0003	-0.0022	0.0042	-0.0019	-0.0064	0.0101
AT.	61	O X	0.0234	0.0186	-0.0078	-0.0171	-0.0080	-0.0030
		Y	-0.0032	-0.0077	0.0031	-0.0066	0.0026	0.0058

		Z	0.0045	0.0037	-0.0046	0.0000	-0.0192	0.0026
AT.	62 O	X	-0.0234	0.0186	0.0078	-0.0171	-0.0080	-0.0030
		Y	0.0032	-0.0077	-0.0031	-0.0066	0.0026	0.0058
		Z	0.0045	-0.0037	-0.0046	0.0000	0.0192	-0.0026
AT.	63 O	X	0.0234	0.0186	0.0078	-0.0171	0.0080	-0.0030
		Y	0.0032	0.0077	0.0031	0.0066	0.0026	-0.0058
		Z	-0.0045	-0.0037	-0.0046	0.0000	-0.0192	-0.0026
AT.	64 O	X	-0.0234	0.0186	-0.0078	-0.0171	0.0080	-0.0030
		Y	-0.0032	0.0077	-0.0031	0.0066	0.0026	-0.0058
		Z	-0.0045	0.0037	-0.0046	0.0000	0.0192	0.0026
AT.	65 O	X	-0.0234	-0.0186	-0.0078	0.0171	0.0080	-0.0030
		Y	0.0032	0.0077	0.0031	0.0066	-0.0026	0.0058
		Z	-0.0045	-0.0037	-0.0046	0.0000	0.0192	0.0026
AT.	66 O	X	0.0234	-0.0186	0.0078	0.0171	0.0080	-0.0030
		Y	-0.0032	0.0077	-0.0031	0.0066	-0.0026	0.0058
		Z	-0.0045	0.0037	-0.0046	0.0000	-0.0192	-0.0026
AT.	67 O	X	-0.0234	-0.0186	0.0078	0.0171	-0.0080	-0.0030
		Y	-0.0032	-0.0077	0.0031	-0.0066	-0.0026	-0.0058
		Z	0.0045	0.0037	-0.0046	0.0000	0.0192	-0.0026
AT.	68 O	X	0.0234	-0.0186	-0.0078	0.0171	-0.0080	-0.0030
		Y	0.0032	-0.0077	-0.0031	-0.0066	-0.0026	-0.0058
		Z	0.0045	-0.0037	-0.0046	0.0000	-0.0192	0.0026
AT.	69 O	X	0.0221	0.0193	-0.0044	-0.0141	0.0010	0.0069
		Y	0.0007	-0.0050	-0.0049	-0.0068	-0.0024	0.0013
		Z	0.0018	0.0019	-0.0043	0.0014	-0.0198	0.0053
AT.	70 O	X	-0.0221	0.0193	0.0044	-0.0141	0.0010	0.0069
		Y	-0.0007	-0.0050	0.0049	-0.0068	-0.0024	0.0013
		Z	0.0018	-0.0019	-0.0043	-0.0014	0.0198	-0.0053
AT.	71 O	X	0.0221	0.0193	0.0044	-0.0141	-0.0010	0.0069
		Y	-0.0007	0.0050	-0.0049	0.0068	-0.0024	-0.0013
		Z	-0.0018	-0.0019	-0.0043	-0.0014	-0.0198	-0.0053
AT.	72 O	X	-0.0221	0.0193	-0.0044	-0.0141	-0.0010	0.0069
		Y	0.0007	0.0050	0.0049	0.0068	-0.0024	-0.0013
		Z	-0.0018	0.0019	-0.0043	0.0014	0.0198	0.0053
AT.	73 O	X	-0.0221	-0.0193	-0.0044	0.0141	-0.0010	0.0069
		Y	-0.0007	0.0050	-0.0049	0.0068	0.0024	0.0013
		Z	-0.0018	-0.0019	-0.0043	-0.0014	0.0198	0.0053
AT.	74 O	X	0.0221	-0.0193	0.0044	0.0141	-0.0010	0.0069
		Y	0.0007	0.0050	0.0049	0.0068	0.0024	0.0013
		Z	-0.0018	0.0019	-0.0043	0.0014	-0.0198	-0.0053
AT.	75 O	X	-0.0221	-0.0193	0.0044	0.0141	0.0010	0.0069
		Y	0.0007	-0.0050	-0.0049	-0.0068	0.0024	-0.0013
		Z	0.0018	0.0019	-0.0043	0.0014	0.0198	-0.0053
AT.	76 O	X	0.0221	-0.0193	-0.0044	0.0141	0.0010	0.0069
		Y	-0.0007	-0.0050	0.0049	-0.0068	0.0024	-0.0013
		Z	0.0018	-0.0019	-0.0043	-0.0014	-0.0198	0.0053
AT.	77 O	X	0.0199	0.0137	-0.0054	-0.0154	-0.0024	0.0043
		Y	-0.0050	-0.0134	0.0037	-0.0058	0.0038	0.0069
		Z	0.0047	0.0011	0.0073	-0.0004	-0.0083	0.0075
AT.	78 O	X	-0.0199	0.0137	0.0054	-0.0154	-0.0024	0.0043
		Y	0.0050	-0.0134	-0.0037	-0.0058	0.0038	0.0069
		Z	0.0047	-0.0011	0.0073	0.0004	0.0083	-0.0075
AT.	79 O	X	0.0199	0.0137	0.0054	-0.0154	0.0024	0.0043
		Y	0.0050	0.0134	0.0037	0.0058	0.0038	-0.0069
		Z	-0.0047	-0.0011	0.0073	0.0004	-0.0083	-0.0075
AT.	80 O	X	-0.0199	0.0137	-0.0054	-0.0154	0.0024	0.0043
		Y	-0.0050	0.0134	-0.0037	0.0058	0.0038	-0.0069
		Z	-0.0047	0.0011	0.0073	-0.0004	0.0083	0.0075
AT.	81 O	X	-0.0199	-0.0137	-0.0054	0.0154	0.0024	0.0043
		Y	0.0050	0.0134	0.0037	0.0058	-0.0038	0.0069
		Z	-0.0047	-0.0011	0.0073	0.0004	0.0083	0.0075

AT.	82	O	X	0.0199	-0.0137	0.0054	0.0154	0.0024	0.0043
			Y	-0.0050	0.0134	-0.0037	0.0058	-0.0038	0.0069
			Z	-0.0047	0.0011	0.0073	-0.0004	-0.0083	-0.0075
AT.	83	O	X	-0.0199	-0.0137	0.0054	0.0154	-0.0024	0.0043
			Y	-0.0050	-0.0134	0.0037	-0.0058	-0.0038	-0.0069
			Z	0.0047	0.0011	0.0073	-0.0004	0.0083	-0.0075
AT.	84	O	X	0.0199	-0.0137	-0.0054	0.0154	-0.0024	0.0043
			Y	0.0050	-0.0134	-0.0037	-0.0058	-0.0038	-0.0069
			Z	0.0047	-0.0011	0.0073	0.0004	-0.0083	0.0075
AT.	85	O	X	0.0073	-0.0148	0.0133	-0.0147	0.0017	-0.0091
			Y	0.0013	-0.0131	0.0107	-0.0050	0.0005	-0.0012
			Z	0.0052	0.0064	-0.0119	0.0067	0.0102	0.0015
AT.	86	O	X	-0.0073	-0.0148	-0.0133	-0.0147	0.0017	-0.0091
			Y	-0.0013	-0.0131	-0.0107	-0.0050	0.0005	-0.0012
			Z	0.0052	-0.0064	-0.0119	-0.0067	-0.0102	-0.0015
AT.	87	O	X	0.0073	-0.0148	-0.0133	-0.0147	-0.0017	-0.0091
			Y	-0.0013	0.0131	0.0107	0.0050	0.0005	0.0012
			Z	-0.0052	-0.0064	-0.0119	-0.0067	0.0102	-0.0015
AT.	88	O	X	-0.0073	-0.0148	0.0133	-0.0147	-0.0017	-0.0091
			Y	0.0013	0.0131	-0.0107	0.0050	0.0005	0.0012
			Z	-0.0052	0.0064	-0.0119	0.0067	-0.0102	0.0015
AT.	89	O	X	-0.0073	0.0148	0.0133	0.0147	-0.0017	-0.0091
			Y	-0.0013	0.0131	0.0107	0.0050	-0.0005	-0.0012
			Z	-0.0052	-0.0064	-0.0119	-0.0067	-0.0102	0.0015
AT.	90	O	X	0.0073	0.0148	-0.0133	0.0147	-0.0017	-0.0091
			Y	0.0013	0.0131	-0.0107	0.0050	-0.0005	-0.0012
			Z	-0.0052	0.0064	-0.0119	0.0067	0.0102	-0.0015
AT.	91	O	X	-0.0073	0.0148	-0.0133	0.0147	0.0017	-0.0091
			Y	0.0013	-0.0131	0.0107	-0.0050	-0.0005	0.0012
			Z	0.0052	0.0064	-0.0119	0.0067	-0.0102	-0.0015
AT.	92	O	X	0.0073	0.0148	0.0133	0.0147	0.0017	-0.0091
			Y	-0.0013	-0.0131	-0.0107	-0.0050	-0.0005	0.0012
			Z	0.0052	-0.0064	-0.0119	-0.0067	0.0102	0.0015
AT.	93	O	X	0.0159	-0.0058	0.0083	-0.0136	0.0073	-0.0077
			Y	0.0003	0.0006	-0.0042	0.0040	0.0019	0.0050
			Z	0.0095	-0.0115	0.0117	-0.0090	0.0046	-0.0065
AT.	94	O	X	-0.0159	-0.0058	-0.0083	-0.0136	0.0073	-0.0077
			Y	-0.0003	0.0006	0.0042	0.0040	0.0019	0.0050
			Z	0.0095	0.0115	0.0117	0.0090	-0.0046	0.0065
AT.	95	O	X	0.0159	-0.0058	-0.0083	-0.0136	-0.0073	-0.0077
			Y	-0.0003	-0.0006	-0.0042	-0.0040	0.0019	-0.0050
			Z	-0.0095	0.0115	0.0117	0.0090	0.0046	0.0065
AT.	96	O	X	-0.0159	-0.0058	0.0083	-0.0136	-0.0073	-0.0077
			Y	0.0003	-0.0006	0.0042	-0.0040	0.0019	-0.0050
			Z	-0.0095	-0.0115	0.0117	-0.0090	-0.0046	-0.0065
AT.	97	O	X	-0.0159	0.0058	0.0083	0.0136	-0.0073	-0.0077
			Y	-0.0003	-0.0006	-0.0042	-0.0040	-0.0019	0.0050
			Z	-0.0095	0.0115	0.0117	0.0090	-0.0046	-0.0065
AT.	98	O	X	0.0159	0.0058	-0.0083	0.0136	-0.0073	-0.0077
			Y	0.0003	-0.0006	0.0042	-0.0040	-0.0019	0.0050
			Z	-0.0095	-0.0115	0.0117	-0.0090	0.0046	0.0065
AT.	99	O	X	-0.0159	0.0058	-0.0083	0.0136	0.0073	-0.0077
			Y	0.0003	0.0006	-0.0042	0.0040	-0.0019	-0.0050
			Z	0.0095	-0.0115	0.0117	-0.0090	-0.0046	0.0065
AT.	100	O	X	0.0159	0.0058	0.0083	0.0136	0.0073	-0.0077
			Y	-0.0003	0.0006	0.0042	0.0040	-0.0019	-0.0050
			Z	0.0095	0.0115	0.0117	0.0090	0.0046	-0.0065
AT.	101	O	X	0.0073	0.0017	-0.0007	-0.0046	0.0009	-0.0073
			Y	0.0009	0.0183	-0.0221	0.0108	-0.0039	0.0029
			Z	0.0065	0.0107	-0.0159	0.0068	0.0072	-0.0017
AT.	102	O	X	-0.0073	0.0017	0.0007	-0.0046	0.0009	-0.0073

	Y	-0.0009	0.0183	0.0221	0.0108	-0.0039	0.0029
	Z	0.0065	-0.0107	-0.0159	-0.0068	-0.0072	0.0017
AT. 103 O	X	0.0073	0.0017	0.0007	-0.0046	-0.0009	-0.0073
	Y	-0.0009	-0.0183	-0.0221	-0.0108	-0.0039	-0.0029
	Z	-0.0065	-0.0107	-0.0159	-0.0068	0.0072	0.0017
AT. 104 O	X	-0.0073	0.0017	-0.0007	-0.0046	-0.0009	-0.0073
	Y	0.0009	-0.0183	0.0221	-0.0108	-0.0039	-0.0029
	Z	-0.0065	0.0107	-0.0159	0.0068	-0.0072	-0.0017
AT. 105 O	X	-0.0073	-0.0017	-0.0007	0.0046	-0.0009	-0.0073
	Y	-0.0009	-0.0183	-0.0221	-0.0108	0.0039	0.0029
	Z	-0.0065	-0.0107	-0.0159	-0.0068	-0.0072	-0.0017
AT. 106 O	X	0.0073	-0.0017	0.0007	0.0046	-0.0009	-0.0073
	Y	0.0009	-0.0183	0.0221	-0.0108	0.0039	0.0029
	Z	-0.0065	0.0107	-0.0159	0.0068	0.0072	0.0017
AT. 107 O	X	-0.0073	-0.0017	0.0007	0.0046	0.0009	-0.0073
	Y	0.0009	0.0183	-0.0221	0.0108	0.0039	-0.0029
	Z	0.0065	0.0107	-0.0159	0.0068	-0.0072	0.0017
AT. 108 O	X	0.0073	-0.0017	-0.0007	0.0046	0.0009	-0.0073
	Y	-0.0009	0.0183	0.0221	0.0108	0.0039	-0.0029
	Z	0.0065	-0.0107	-0.0159	-0.0068	0.0072	-0.0017
AT. 109 O	X	0.0121	-0.0069	0.0094	-0.0128	0.0030	-0.0082
	Y	0.0030	0.0036	-0.0081	0.0061	0.0071	0.0075
	Z	0.0072	0.0142	-0.0122	0.0100	0.0053	0.0092
AT. 110 O	X	-0.0121	-0.0069	-0.0094	-0.0128	0.0030	-0.0082
	Y	-0.0030	0.0036	0.0081	0.0061	0.0071	0.0075
	Z	0.0072	-0.0142	-0.0122	-0.0100	-0.0053	-0.0092
AT. 111 O	X	0.0121	-0.0069	-0.0094	-0.0128	-0.0030	-0.0082
	Y	-0.0030	-0.0036	-0.0081	-0.0061	0.0071	-0.0075
	Z	-0.0072	-0.0142	-0.0122	-0.0100	0.0053	-0.0092
AT. 112 O	X	-0.0121	-0.0069	0.0094	-0.0128	-0.0030	-0.0082
	Y	0.0030	-0.0036	0.0081	-0.0061	0.0071	-0.0075
	Z	-0.0072	0.0142	-0.0122	0.0100	-0.0053	0.0092
AT. 113 O	X	-0.0121	0.0069	0.0094	0.0128	-0.0030	-0.0082
	Y	-0.0030	-0.0036	-0.0081	-0.0061	-0.0071	0.0075
	Z	-0.0072	-0.0142	-0.0122	-0.0100	-0.0053	0.0092
AT. 114 O	X	0.0121	0.0069	-0.0094	0.0128	-0.0030	-0.0082
	Y	0.0030	-0.0036	0.0081	-0.0061	-0.0071	0.0075
	Z	-0.0072	0.0142	-0.0122	0.0100	0.0053	-0.0092
AT. 115 O	X	-0.0121	0.0069	-0.0094	0.0128	0.0030	-0.0082
	Y	0.0030	0.0036	-0.0081	0.0061	-0.0071	-0.0075
	Z	0.0072	0.0142	-0.0122	0.0100	-0.0053	-0.0092
AT. 116 O	X	0.0121	0.0069	0.0094	0.0128	0.0030	-0.0082
	Y	-0.0030	0.0036	0.0081	0.0061	-0.0071	-0.0075
	Z	0.0072	-0.0142	-0.0122	-0.0100	0.0053	0.0092
AT. 117 O	X	0.0041	0.0227	-0.0278	0.0038	0.0053	-0.0021
	Y	0.0027	0.0062	-0.0069	0.0074	-0.0138	-0.0077
	Z	-0.0044	-0.0188	0.0099	-0.0066	-0.0014	-0.0015
AT. 118 O	X	-0.0041	0.0227	0.0278	0.0038	0.0053	-0.0021
	Y	-0.0027	0.0062	0.0069	0.0074	-0.0138	-0.0077
	Z	-0.0044	0.0188	0.0099	0.0066	0.0014	0.0015
AT. 119 O	X	0.0041	0.0227	0.0278	0.0038	-0.0053	-0.0021
	Y	-0.0027	-0.0062	-0.0069	-0.0074	-0.0138	0.0077
	Z	0.0044	0.0188	0.0099	0.0066	-0.0014	0.0015
AT. 120 O	X	-0.0041	0.0227	-0.0278	0.0038	-0.0053	-0.0021
	Y	0.0027	-0.0062	0.0069	-0.0074	-0.0138	0.0077
	Z	0.0044	-0.0188	0.0099	-0.0066	0.0014	-0.0015
AT. 121 O	X	-0.0041	-0.0227	-0.0278	-0.0038	-0.0053	-0.0021
	Y	-0.0027	-0.0062	-0.0069	-0.0074	0.0138	-0.0077
	Z	0.0044	0.0188	0.0099	0.0066	0.0014	-0.0015
AT. 122 O	X	0.0041	-0.0227	0.0278	-0.0038	-0.0053	-0.0021
	Y	0.0027	-0.0062	0.0069	-0.0074	0.0138	-0.0077

	Z	0.0044	-0.0188	0.0099	-0.0066	-0.0014	0.0015
AT. 123 O	X	-0.0041	-0.0227	0.0278	-0.0038	0.0053	-0.0021
	Y	0.0027	0.0062	-0.0069	0.0074	0.0138	0.0077
	Z	-0.0044	-0.0188	0.0099	-0.0066	0.0014	0.0015
AT. 124 O	X	0.0041	-0.0227	-0.0278	-0.0038	0.0053	-0.0021
	Y	-0.0027	0.0062	0.0069	0.0074	0.0138	0.0077
	Z	-0.0044	0.0188	0.0099	0.0066	-0.0014	-0.0015

FREQ(CM**-1)		149.38	149.71	152.35	153.40	153.55	158.84
AT. 1 SI	X	-0.0059	-0.0079	-0.0045	-0.0030	0.0024	0.0086
	Y	-0.0002	-0.0048	0.0017	-0.0185	0.0010	-0.0011
	Z	0.0082	0.0013	0.0127	0.0119	-0.0085	0.0040
AT. 2 SI	X	0.0059	0.0079	0.0045	0.0030	-0.0024	0.0086
	Y	0.0002	0.0048	-0.0017	0.0185	-0.0010	-0.0011
	Z	0.0082	0.0013	0.0127	0.0119	-0.0085	-0.0040
AT. 3 SI	X	0.0059	-0.0079	0.0045	-0.0030	0.0024	-0.0086
	Y	-0.0002	0.0048	0.0017	0.0185	-0.0010	-0.0011
	Z	0.0082	-0.0013	0.0127	-0.0119	0.0085	0.0040
AT. 4 SI	X	-0.0059	0.0079	-0.0045	0.0030	-0.0024	-0.0086
	Y	0.0002	-0.0048	-0.0017	-0.0185	0.0010	-0.0011
	Z	0.0082	-0.0013	0.0127	-0.0119	0.0085	-0.0040
AT. 5 SI	X	0.0059	0.0079	-0.0045	0.0030	0.0024	0.0086
	Y	0.0002	0.0048	0.0017	0.0185	0.0010	-0.0011
	Z	-0.0082	-0.0013	0.0127	-0.0119	-0.0085	0.0040
AT. 6 SI	X	-0.0059	-0.0079	0.0045	-0.0030	-0.0024	0.0086
	Y	-0.0002	-0.0048	-0.0017	-0.0185	-0.0010	-0.0011
	Z	-0.0082	-0.0013	0.0127	-0.0119	-0.0085	-0.0040
AT. 7 SI	X	-0.0059	0.0079	0.0045	0.0030	0.0024	-0.0086
	Y	0.0002	-0.0048	0.0017	-0.0185	-0.0010	-0.0011
	Z	-0.0082	0.0013	0.0127	0.0119	0.0085	0.0040
AT. 8 SI	X	0.0059	-0.0079	-0.0045	-0.0030	-0.0024	-0.0086
	Y	-0.0002	0.0048	-0.0017	0.0185	0.0010	-0.0011
	Z	-0.0082	0.0013	0.0127	0.0119	0.0085	-0.0040
AT. 9 SI	X	-0.0002	0.0135	0.0004	-0.0132	-0.0032	-0.0192
	Y	0.0001	0.0031	-0.0100	0.0056	0.0067	-0.0002
	Z	0.0030	0.0098	-0.0113	0.0093	0.0064	-0.0062
AT. 10 SI	X	0.0002	-0.0135	-0.0004	0.0132	0.0032	-0.0192
	Y	-0.0001	-0.0031	0.0100	-0.0056	-0.0067	-0.0002
	Z	0.0030	0.0098	-0.0113	0.0093	0.0064	0.0062
AT. 11 SI	X	0.0002	0.0135	-0.0004	-0.0132	-0.0032	0.0192
	Y	0.0001	-0.0031	-0.0100	-0.0056	-0.0067	-0.0002
	Z	0.0030	-0.0098	-0.0113	-0.0093	-0.0064	-0.0062
AT. 12 SI	X	-0.0002	-0.0135	0.0004	0.0132	0.0032	0.0192
	Y	-0.0001	0.0031	0.0100	0.0056	0.0067	-0.0002
	Z	0.0030	-0.0098	-0.0113	-0.0093	-0.0064	0.0062
AT. 13 SI	X	0.0002	-0.0135	0.0004	0.0132	-0.0032	-0.0192
	Y	-0.0001	-0.0031	-0.0100	-0.0056	0.0067	-0.0002
	Z	-0.0030	-0.0098	-0.0113	-0.0093	0.0064	-0.0062
AT. 14 SI	X	-0.0002	0.0135	-0.0004	-0.0132	0.0032	-0.0192
	Y	0.0001	0.0031	0.0100	0.0056	-0.0067	-0.0002
	Z	-0.0030	-0.0098	-0.0113	-0.0093	0.0064	0.0062
AT. 15 SI	X	-0.0002	-0.0135	-0.0004	0.0132	-0.0032	0.0192
	Y	-0.0001	0.0031	-0.0100	0.0056	-0.0067	-0.0002
	Z	-0.0030	0.0098	-0.0113	0.0093	-0.0064	-0.0062
AT. 16 SI	X	0.0002	0.0135	0.0004	-0.0132	0.0032	0.0192
	Y	0.0001	-0.0031	0.0100	-0.0056	0.0067	-0.0002
	Z	-0.0030	0.0098	-0.0113	0.0093	-0.0064	0.0062
AT. 17 SI	X	-0.0055	0.0000	0.0066	0.0000	0.0000	0.0000
	Y	0.0000	0.0058	0.0000	0.0074	-0.0152	-0.0045
	Z	-0.0027	0.0000	-0.0114	0.0000	0.0000	0.0000

AT. 18	SI	X	0.0055	0.0000	-0.0066	0.0000	0.0000	0.0000
		Y	0.0000	-0.0058	0.0000	-0.0074	0.0152	-0.0045
		Z	-0.0027	0.0000	-0.0114	0.0000	0.0000	0.0000
AT. 19	SI	X	0.0055	0.0000	0.0066	0.0000	0.0000	0.0000
		Y	0.0000	-0.0058	0.0000	-0.0074	-0.0152	-0.0045
		Z	0.0027	0.0000	-0.0114	0.0000	0.0000	0.0000
AT. 20	SI	X	-0.0055	0.0000	-0.0066	0.0000	0.0000	0.0000
		Y	0.0000	0.0058	0.0000	0.0074	0.0152	-0.0045
		Z	0.0027	0.0000	-0.0114	0.0000	0.0000	0.0000
AT. 21	CA	X	-0.0077	0.0308	-0.0071	-0.0056	0.0024	-0.0210
		Y	0.0029	-0.0079	0.0031	-0.0138	0.0099	-0.0008
		Z	-0.0070	0.0071	0.0094	0.0002	-0.0021	-0.0061
AT. 22	CA	X	0.0077	-0.0308	0.0071	0.0056	-0.0024	-0.0210
		Y	-0.0029	0.0079	-0.0031	0.0138	-0.0099	-0.0008
		Z	-0.0070	0.0071	0.0094	0.0002	-0.0021	0.0061
AT. 23	CA	X	0.0077	0.0308	0.0071	-0.0056	0.0024	0.0210
		Y	0.0029	0.0079	0.0031	0.0138	-0.0099	-0.0008
		Z	-0.0070	-0.0071	0.0094	-0.0002	0.0021	-0.0061
AT. 24	CA	X	-0.0077	-0.0308	-0.0071	0.0056	-0.0024	0.0210
		Y	-0.0029	-0.0079	-0.0031	-0.0138	0.0099	-0.0008
		Z	-0.0070	-0.0071	0.0094	-0.0002	0.0021	0.0061
AT. 25	CA	X	0.0077	-0.0308	-0.0071	0.0056	0.0024	-0.0210
		Y	-0.0029	0.0079	0.0031	0.0138	0.0099	-0.0008
		Z	0.0070	-0.0071	0.0094	-0.0002	-0.0021	-0.0061
AT. 26	CA	X	-0.0077	0.0308	0.0071	-0.0056	-0.0024	-0.0210
		Y	0.0029	-0.0079	-0.0031	-0.0138	-0.0099	-0.0008
		Z	0.0070	-0.0071	0.0094	-0.0002	-0.0021	0.0061
AT. 27	CA	X	-0.0077	-0.0308	0.0071	0.0056	0.0024	0.0210
		Y	-0.0029	-0.0079	0.0031	-0.0138	-0.0099	-0.0008
		Z	0.0070	0.0071	0.0094	0.0002	0.0021	-0.0061
AT. 28	CA	X	0.0077	0.0308	-0.0071	-0.0056	-0.0024	0.0210
		Y	0.0029	0.0079	-0.0031	0.0138	0.0099	-0.0008
		Z	0.0070	0.0071	0.0094	0.0002	0.0021	0.0061
AT. 29	CA	X	0.0000	0.0000	-0.0145	0.0000	0.0058	0.0086
		Y	0.0000	0.0000	0.0071	0.0000	0.0140	-0.0038
		Z	0.0000	0.0000	0.0187	0.0000	-0.0206	0.0012
AT. 30	CA	X	0.0000	0.0000	0.0145	0.0000	-0.0058	0.0086
		Y	0.0000	0.0000	-0.0071	0.0000	-0.0140	-0.0038
		Z	0.0000	0.0000	0.0187	0.0000	-0.0206	-0.0012
AT. 31	CA	X	0.0000	0.0000	0.0145	0.0000	0.0058	-0.0086
		Y	0.0000	0.0000	0.0071	0.0000	-0.0140	-0.0038
		Z	0.0000	0.0000	0.0187	0.0000	0.0206	0.0012
AT. 32	CA	X	0.0000	0.0000	-0.0145	0.0000	-0.0058	-0.0086
		Y	0.0000	0.0000	-0.0071	0.0000	0.0140	-0.0038
		Z	0.0000	0.0000	0.0187	0.0000	0.0206	-0.0012
AT. 33	CA	X	-0.0087	0.0091	0.0002	-0.0148	-0.0083	-0.0124
		Y	0.0118	-0.0101	-0.0041	-0.0092	0.0191	0.0096
		Z	0.0066	0.0070	0.0027	0.0079	0.0008	-0.0023
AT. 34	CA	X	0.0087	-0.0091	-0.0002	0.0148	0.0083	-0.0124
		Y	-0.0118	0.0101	0.0041	0.0092	-0.0191	0.0096
		Z	0.0066	0.0070	0.0027	0.0079	0.0008	0.0023
AT. 35	CA	X	0.0087	0.0091	-0.0002	-0.0148	-0.0083	0.0124
		Y	0.0118	0.0101	-0.0041	0.0092	-0.0191	0.0096
		Z	0.0066	-0.0070	0.0027	-0.0079	-0.0008	-0.0023
AT. 36	CA	X	-0.0087	-0.0091	0.0002	0.0148	0.0083	0.0124
		Y	-0.0118	-0.0101	0.0041	-0.0092	0.0191	0.0096
		Z	0.0066	-0.0070	0.0027	-0.0079	-0.0008	0.0023
AT. 37	CA	X	0.0087	-0.0091	0.0002	0.0148	-0.0083	-0.0124
		Y	-0.0118	0.0101	-0.0041	0.0092	0.0191	0.0096
		Z	-0.0066	-0.0070	0.0027	-0.0079	0.0008	-0.0023
AT. 38	CA	X	-0.0087	0.0091	-0.0002	-0.0148	0.0083	-0.0124

		Y	0.0118	-0.0101	0.0041	-0.0092	-0.0191	0.0096
		Z	-0.0066	-0.0070	0.0027	-0.0079	0.0008	0.0023
AT.	39	CA X	-0.0087	-0.0091	-0.0002	0.0148	-0.0083	0.0124
		Y	-0.0118	-0.0101	-0.0041	-0.0092	-0.0191	0.0096
		Z	-0.0066	0.0070	0.0027	0.0079	-0.0008	-0.0023
AT.	40	CA X	0.0087	0.0091	0.0002	-0.0148	0.0083	0.0124
		Y	0.0118	0.0101	0.0041	0.0092	0.0191	0.0096
		Z	-0.0066	0.0070	0.0027	0.0079	-0.0008	0.0023
AT.	41	CA X	-0.0001	-0.0108	0.0089	0.0052	-0.0021	0.0145
		Y	0.0061	-0.0007	-0.0135	0.0050	-0.0053	0.0043
		Z	0.0098	-0.0020	-0.0003	0.0087	0.0061	0.0072
AT.	42	CA X	0.0001	0.0108	-0.0089	-0.0052	0.0021	0.0145
		Y	-0.0061	0.0007	0.0135	-0.0050	0.0053	0.0043
		Z	0.0098	-0.0020	-0.0003	0.0087	0.0061	-0.0072
AT.	43	CA X	0.0001	-0.0108	-0.0089	0.0052	-0.0021	-0.0145
		Y	0.0061	0.0007	-0.0135	-0.0050	0.0053	0.0043
		Z	0.0098	0.0020	-0.0003	-0.0087	-0.0061	0.0072
AT.	44	CA X	-0.0001	0.0108	0.0089	-0.0052	0.0021	-0.0145
		Y	-0.0061	-0.0007	0.0135	0.0050	-0.0053	0.0043
		Z	0.0098	0.0020	-0.0003	-0.0087	-0.0061	-0.0072
AT.	45	CA X	0.0001	0.0108	0.0089	-0.0052	-0.0021	0.0145
		Y	-0.0061	0.0007	-0.0135	-0.0050	-0.0053	0.0043
		Z	-0.0098	0.0020	-0.0003	-0.0087	0.0061	0.0072
AT.	46	CA X	-0.0001	-0.0108	-0.0089	0.0052	0.0021	0.0145
		Y	0.0061	-0.0007	0.0135	0.0050	0.0053	0.0043
		Z	-0.0098	0.0020	-0.0003	-0.0087	0.0061	-0.0072
AT.	47	CA X	-0.0001	0.0108	-0.0089	-0.0052	-0.0021	-0.0145
		Y	-0.0061	-0.0007	-0.0135	0.0050	0.0053	0.0043
		Z	-0.0098	-0.0020	-0.0003	0.0087	-0.0061	0.0072
AT.	48	CA X	0.0001	-0.0108	0.0089	0.0052	0.0021	-0.0145
		Y	0.0061	0.0007	0.0135	-0.0050	-0.0053	0.0043
		Z	-0.0098	-0.0020	-0.0003	0.0087	-0.0061	-0.0072
AT.	49	CA X	0.0472	0.0000	0.0134	0.0000	0.0000	0.0000
		Y	0.0000	0.0097	0.0000	0.0093	0.0122	-0.0088
		Z	-0.0288	0.0000	-0.0317	0.0000	0.0000	0.0000
AT.	50	CA X	-0.0472	0.0000	-0.0134	0.0000	0.0000	0.0000
		Y	0.0000	-0.0097	0.0000	-0.0093	-0.0122	-0.0088
		Z	-0.0288	0.0000	-0.0317	0.0000	0.0000	0.0000
AT.	51	CA X	-0.0472	0.0000	0.0134	0.0000	0.0000	0.0000
		Y	0.0000	-0.0097	0.0000	-0.0093	0.0122	-0.0088
		Z	0.0288	0.0000	-0.0317	0.0000	0.0000	0.0000
AT.	52	CA X	0.0472	0.0000	-0.0134	0.0000	0.0000	0.0000
		Y	0.0000	0.0097	0.0000	0.0093	-0.0122	-0.0088
		Z	0.0288	0.0000	-0.0317	0.0000	0.0000	0.0000
AT.	53	O X	-0.0094	0.0019	-0.0044	-0.0101	-0.0061	0.0006
		Y	0.0014	-0.0093	0.0019	-0.0158	0.0060	0.0025
		Z	0.0080	0.0007	0.0106	0.0063	-0.0122	0.0028
AT.	54	O X	0.0094	-0.0019	0.0044	0.0101	0.0061	0.0006
		Y	-0.0014	0.0093	-0.0019	0.0158	-0.0060	0.0025
		Z	0.0080	0.0007	0.0106	0.0063	-0.0122	-0.0028
AT.	55	O X	0.0094	0.0019	0.0044	-0.0101	-0.0061	-0.0006
		Y	0.0014	0.0093	0.0019	0.0158	-0.0060	0.0025
		Z	0.0080	-0.0007	0.0106	-0.0063	0.0122	0.0028
AT.	56	O X	-0.0094	-0.0019	-0.0044	0.0101	0.0061	-0.0006
		Y	-0.0014	-0.0093	-0.0019	-0.0158	0.0060	0.0025
		Z	0.0080	-0.0007	0.0106	-0.0063	0.0122	-0.0028
AT.	57	O X	0.0094	-0.0019	-0.0044	0.0101	-0.0061	0.0006
		Y	-0.0014	0.0093	0.0019	0.0158	0.0060	0.0025
		Z	-0.0080	-0.0007	0.0106	-0.0063	-0.0122	0.0028
AT.	58	O X	-0.0094	0.0019	0.0044	-0.0101	0.0061	0.0006
		Y	0.0014	-0.0093	-0.0019	-0.0158	-0.0060	0.0025

		Z	-0.0080	-0.0007	0.0106	-0.0063	-0.0122	-0.0028
AT.	59 O	X	-0.0094	-0.0019	0.0044	0.0101	-0.0061	-0.0006
		Y	-0.0014	-0.0093	0.0019	-0.0158	-0.0060	0.0025
		Z	-0.0080	0.0007	0.0106	0.0063	0.0122	0.0028
AT.	60 O	X	0.0094	0.0019	-0.0044	-0.0101	0.0061	-0.0006
		Y	0.0014	0.0093	-0.0019	0.0158	0.0060	0.0025
		Z	-0.0080	0.0007	0.0106	0.0063	0.0122	-0.0028
AT.	61 O	X	-0.0028	-0.0121	-0.0072	-0.0006	0.0097	0.0137
		Y	0.0024	-0.0056	-0.0010	-0.0171	-0.0004	0.0006
		Z	0.0078	0.0006	0.0113	0.0119	-0.0034	0.0046
AT.	62 O	X	0.0028	0.0121	0.0072	0.0006	-0.0097	0.0137
		Y	-0.0024	0.0056	0.0010	0.0171	0.0004	0.0006
		Z	0.0078	0.0006	0.0113	0.0119	-0.0034	-0.0046
AT.	63 O	X	0.0028	-0.0121	0.0072	-0.0006	0.0097	-0.0137
		Y	0.0024	0.0056	-0.0010	0.0171	0.0004	0.0006
		Z	0.0078	-0.0006	0.0113	-0.0119	0.0034	0.0046
AT.	64 O	X	-0.0028	0.0121	-0.0072	0.0006	-0.0097	-0.0137
		Y	-0.0024	-0.0056	0.0010	-0.0171	-0.0004	0.0006
		Z	0.0078	-0.0006	0.0113	-0.0119	0.0034	-0.0046
AT.	65 O	X	0.0028	0.0121	-0.0072	0.0006	0.0097	0.0137
		Y	-0.0024	0.0056	-0.0010	0.0171	-0.0004	0.0006
		Z	-0.0078	-0.0006	0.0113	-0.0119	-0.0034	0.0046
AT.	66 O	X	-0.0028	-0.0121	0.0072	-0.0006	-0.0097	0.0137
		Y	0.0024	-0.0056	0.0010	-0.0171	0.0004	0.0006
		Z	-0.0078	-0.0006	0.0113	-0.0119	-0.0034	-0.0046
AT.	67 O	X	-0.0028	0.0121	0.0072	0.0006	0.0097	-0.0137
		Y	-0.0024	-0.0056	-0.0010	-0.0171	0.0004	0.0006
		Z	-0.0078	0.0006	0.0113	0.0119	0.0034	0.0046
AT.	68 O	X	0.0028	-0.0121	-0.0072	-0.0006	-0.0097	-0.0137
		Y	0.0024	0.0056	0.0010	0.0171	-0.0004	0.0006
		Z	-0.0078	0.0006	0.0113	0.0119	0.0034	-0.0046
AT.	69 O	X	-0.0023	-0.0105	-0.0027	0.0063	0.0034	0.0071
		Y	-0.0012	-0.0042	0.0024	-0.0097	0.0094	-0.0009
		Z	0.0060	0.0024	0.0127	0.0100	-0.0049	0.0035
AT.	70 O	X	0.0023	0.0105	0.0027	-0.0063	-0.0034	0.0071
		Y	0.0012	0.0042	-0.0024	0.0097	-0.0094	-0.0009
		Z	0.0060	0.0024	0.0127	0.0100	-0.0049	-0.0035
AT.	71 O	X	0.0023	-0.0105	0.0027	0.0063	0.0034	-0.0071
		Y	-0.0012	0.0042	0.0024	0.0097	-0.0094	-0.0009
		Z	0.0060	-0.0024	0.0127	-0.0100	0.0049	0.0035
AT.	72 O	X	-0.0023	0.0105	-0.0027	-0.0063	-0.0034	-0.0071
		Y	0.0012	-0.0042	-0.0024	-0.0097	0.0094	-0.0009
		Z	0.0060	-0.0024	0.0127	-0.0100	0.0049	-0.0035
AT.	73 O	X	0.0023	0.0105	-0.0027	-0.0063	0.0034	0.0071
		Y	0.0012	0.0042	0.0024	0.0097	0.0094	-0.0009
		Z	-0.0060	-0.0024	0.0127	-0.0100	-0.0049	0.0035
AT.	74 O	X	-0.0023	-0.0105	0.0027	0.0063	-0.0034	0.0071
		Y	-0.0012	-0.0042	-0.0024	-0.0097	-0.0094	-0.0009
		Z	-0.0060	-0.0024	0.0127	-0.0100	-0.0049	-0.0035
AT.	75 O	X	-0.0023	0.0105	0.0027	-0.0063	0.0034	-0.0071
		Y	0.0012	-0.0042	0.0024	-0.0097	-0.0094	-0.0009
		Z	-0.0060	0.0024	0.0127	0.0100	0.0049	0.0035
AT.	76 O	X	0.0023	-0.0105	-0.0027	0.0063	-0.0034	-0.0071
		Y	-0.0012	0.0042	-0.0024	0.0097	0.0094	-0.0009
		Z	-0.0060	0.0024	0.0127	0.0100	0.0049	-0.0035
AT.	77 O	X	-0.0056	-0.0076	-0.0051	-0.0026	0.0025	0.0085
		Y	-0.0020	-0.0010	0.0024	-0.0183	-0.0001	-0.0043
		Z	0.0051	0.0060	0.0166	0.0097	-0.0116	-0.0020
AT.	78 O	X	0.0056	0.0076	0.0051	0.0026	-0.0025	0.0085
		Y	0.0020	0.0010	-0.0024	0.0183	0.0001	-0.0043
		Z	0.0051	0.0060	0.0166	0.0097	-0.0116	0.0020

AT.	79	O	X	0.0056	-0.0076	0.0051	-0.0026	0.0025	-0.0085
			Y	-0.0020	0.0010	0.0024	0.0183	0.0001	-0.0043
			Z	0.0051	-0.0060	0.0166	-0.0097	0.0116	-0.0020
AT.	80	O	X	-0.0056	0.0076	-0.0051	0.0026	-0.0025	-0.0085
			Y	0.0020	-0.0010	-0.0024	-0.0183	-0.0001	-0.0043
			Z	0.0051	-0.0060	0.0166	-0.0097	0.0116	0.0020
AT.	81	O	X	0.0056	0.0076	-0.0051	0.0026	0.0025	0.0085
			Y	0.0020	0.0010	0.0024	0.0183	-0.0001	-0.0043
			Z	-0.0051	-0.0060	0.0166	-0.0097	-0.0116	-0.0020
AT.	82	O	X	-0.0056	-0.0076	0.0051	-0.0026	-0.0025	0.0085
			Y	-0.0020	-0.0010	-0.0024	-0.0183	0.0001	-0.0043
			Z	-0.0051	-0.0060	0.0166	-0.0097	-0.0116	0.0020
AT.	83	O	X	-0.0056	0.0076	0.0051	0.0026	0.0025	-0.0085
			Y	0.0020	-0.0010	0.0024	-0.0183	0.0001	-0.0043
			Z	-0.0051	0.0060	0.0166	0.0097	0.0116	-0.0020
AT.	84	O	X	0.0056	-0.0076	-0.0051	-0.0026	-0.0025	-0.0085
			Y	-0.0020	0.0010	-0.0024	0.0183	-0.0001	-0.0043
			Z	-0.0051	0.0060	0.0166	0.0097	0.0116	0.0020
AT.	85	O	X	-0.0066	0.0181	0.0027	-0.0202	-0.0022	-0.0253
			Y	0.0064	0.0046	-0.0073	0.0015	0.0263	-0.0038
			Z	-0.0034	0.0107	-0.0097	0.0069	-0.0042	-0.0067
AT.	86	O	X	0.0066	-0.0181	-0.0027	0.0202	0.0022	-0.0253
			Y	-0.0064	-0.0046	0.0073	-0.0015	-0.0263	-0.0038
			Z	-0.0034	0.0107	-0.0097	0.0069	-0.0042	0.0067
AT.	87	O	X	0.0066	0.0181	-0.0027	-0.0202	-0.0022	0.0253
			Y	0.0064	-0.0046	-0.0073	-0.0015	-0.0263	-0.0038
			Z	-0.0034	-0.0107	-0.0097	-0.0069	0.0042	-0.0067
AT.	88	O	X	-0.0066	-0.0181	0.0027	0.0202	0.0022	0.0253
			Y	-0.0064	0.0046	0.0073	0.0015	0.0263	-0.0038
			Z	-0.0034	-0.0107	-0.0097	-0.0069	0.0042	0.0067
AT.	89	O	X	0.0066	-0.0181	0.0027	0.0202	-0.0022	-0.0253
			Y	-0.0064	-0.0046	-0.0073	-0.0015	0.0263	-0.0038
			Z	0.0034	-0.0107	-0.0097	-0.0069	-0.0042	-0.0067
AT.	90	O	X	-0.0066	0.0181	-0.0027	-0.0202	0.0022	-0.0253
			Y	0.0064	0.0046	0.0073	0.0015	-0.0263	-0.0038
			Z	0.0034	-0.0107	-0.0097	-0.0069	-0.0042	0.0067
AT.	91	O	X	-0.0066	-0.0181	-0.0027	0.0202	-0.0022	0.0253
			Y	-0.0064	0.0046	-0.0073	0.0015	-0.0263	-0.0038
			Z	0.0034	0.0107	-0.0097	0.0069	0.0042	-0.0067
AT.	92	O	X	0.0066	0.0181	0.0027	-0.0202	0.0022	0.0253
			Y	0.0064	-0.0046	0.0073	-0.0015	0.0263	-0.0038
			Z	0.0034	0.0107	-0.0097	0.0069	0.0042	0.0067
AT.	93	O	X	-0.0010	0.0087	-0.0017	-0.0103	0.0015	-0.0131
			Y	-0.0003	0.0047	-0.0094	0.0044	0.0029	-0.0025
			Z	0.0093	0.0104	-0.0089	0.0076	0.0271	-0.0079
AT.	94	O	X	0.0010	-0.0087	0.0017	0.0103	-0.0015	-0.0131
			Y	0.0003	-0.0047	0.0094	-0.0044	-0.0029	-0.0025
			Z	0.0093	0.0104	-0.0089	0.0076	0.0271	0.0079
AT.	95	O	X	0.0010	0.0087	0.0017	-0.0103	0.0015	0.0131
			Y	-0.0003	-0.0047	-0.0094	-0.0044	-0.0029	-0.0025
			Z	0.0093	-0.0104	-0.0089	-0.0076	-0.0271	-0.0079
AT.	96	O	X	-0.0010	-0.0087	-0.0017	0.0103	-0.0015	0.0131
			Y	0.0003	0.0047	0.0094	0.0044	0.0029	-0.0025
			Z	0.0093	-0.0104	-0.0089	-0.0076	-0.0271	0.0079
AT.	97	O	X	0.0010	-0.0087	-0.0017	0.0103	0.0015	-0.0131
			Y	0.0003	-0.0047	-0.0094	-0.0044	0.0029	-0.0025
			Z	-0.0093	-0.0104	-0.0089	-0.0076	0.0271	-0.0079
AT.	98	O	X	-0.0010	0.0087	0.0017	-0.0103	-0.0015	-0.0131
			Y	-0.0003	0.0047	0.0094	0.0044	-0.0029	-0.0025
			Z	-0.0093	-0.0104	-0.0089	-0.0076	0.0271	0.0079
AT.	99	O	X	-0.0010	-0.0087	0.0017	0.0103	0.0015	0.0131

	Y	0.0003	0.0047	-0.0094	0.0044	-0.0029	-0.0025
	Z	-0.0093	0.0104	-0.0089	0.0076	-0.0271	-0.0079
AT. 100 O	X	0.0010	0.0087	-0.0017	-0.0103	-0.0015	0.0131
	Y	-0.0003	-0.0047	0.0094	-0.0044	0.0029	-0.0025
	Z	-0.0093	0.0104	-0.0089	0.0076	-0.0271	0.0079
AT. 101 O	X	0.0012	0.0112	0.0075	-0.0013	-0.0079	-0.0124
	Y	-0.0100	0.0040	-0.0035	0.0082	-0.0140	-0.0011
	Z	-0.0060	0.0101	-0.0130	0.0033	-0.0074	-0.0088
AT. 102 O	X	-0.0012	-0.0112	-0.0075	0.0013	0.0079	-0.0124
	Y	0.0100	-0.0040	0.0035	-0.0082	0.0140	-0.0011
	Z	-0.0060	0.0101	-0.0130	0.0033	-0.0074	0.0088
AT. 103 O	X	-0.0012	0.0112	-0.0075	-0.0013	-0.0079	0.0124
	Y	-0.0100	-0.0040	-0.0035	-0.0082	0.0140	-0.0011
	Z	-0.0060	-0.0101	-0.0130	-0.0033	0.0074	-0.0088
AT. 104 O	X	0.0012	-0.0112	0.0075	0.0013	0.0079	0.0124
	Y	0.0100	0.0040	0.0035	0.0082	-0.0140	-0.0011
	Z	-0.0060	-0.0101	-0.0130	-0.0033	0.0074	0.0088
AT. 105 O	X	-0.0012	-0.0112	0.0075	0.0013	-0.0079	-0.0124
	Y	0.0100	-0.0040	-0.0035	-0.0082	-0.0140	-0.0011
	Z	0.0060	-0.0101	-0.0130	-0.0033	-0.0074	-0.0088
AT. 106 O	X	0.0012	0.0112	-0.0075	-0.0013	0.0079	-0.0124
	Y	-0.0100	0.0040	0.0035	0.0082	0.0140	-0.0011
	Z	0.0060	-0.0101	-0.0130	-0.0033	-0.0074	0.0088
AT. 107 O	X	0.0012	-0.0112	-0.0075	0.0013	-0.0079	0.0124
	Y	0.0100	0.0040	-0.0035	0.0082	0.0140	-0.0011
	Z	0.0060	0.0101	-0.0130	0.0033	0.0074	-0.0088
AT. 108 O	X	-0.0012	0.0112	0.0075	-0.0013	0.0079	0.0124
	Y	-0.0100	-0.0040	0.0035	-0.0082	-0.0140	-0.0011
	Z	0.0060	0.0101	-0.0130	0.0033	0.0074	0.0088
AT. 109 O	X	-0.0017	0.0141	0.0010	-0.0130	-0.0041	-0.0197
	Y	0.0057	0.0002	-0.0083	0.0062	0.0122	0.0029
	Z	0.0113	0.0041	-0.0062	0.0182	0.0009	0.0043
AT. 110 O	X	0.0017	-0.0141	-0.0010	0.0130	0.0041	-0.0197
	Y	-0.0057	-0.0002	0.0083	-0.0062	-0.0122	0.0029
	Z	0.0113	0.0041	-0.0062	0.0182	0.0009	-0.0043
AT. 111 O	X	0.0017	0.0141	-0.0010	-0.0130	-0.0041	0.0197
	Y	0.0057	-0.0002	-0.0083	-0.0062	-0.0122	0.0029
	Z	0.0113	-0.0041	-0.0062	-0.0182	-0.0009	0.0043
AT. 112 O	X	-0.0017	-0.0141	0.0010	0.0130	0.0041	0.0197
	Y	-0.0057	0.0002	0.0083	0.0062	0.0122	0.0029
	Z	0.0113	-0.0041	-0.0062	-0.0182	-0.0009	-0.0043
AT. 113 O	X	0.0017	-0.0141	0.0010	0.0130	-0.0041	-0.0197
	Y	-0.0057	-0.0002	-0.0083	-0.0062	0.0122	0.0029
	Z	-0.0113	-0.0041	-0.0062	-0.0182	0.0009	0.0043
AT. 114 O	X	-0.0017	0.0141	-0.0010	-0.0130	0.0041	-0.0197
	Y	0.0057	0.0002	0.0083	0.0062	-0.0122	0.0029
	Z	-0.0113	-0.0041	-0.0062	-0.0182	0.0009	-0.0043
AT. 115 O	X	-0.0017	-0.0141	-0.0010	0.0130	-0.0041	0.0197
	Y	-0.0057	0.0002	-0.0083	0.0062	-0.0122	0.0029
	Z	-0.0113	0.0041	-0.0062	0.0182	-0.0009	0.0043
AT. 116 O	X	0.0017	0.0141	0.0010	-0.0130	0.0041	0.0197
	Y	0.0057	-0.0002	0.0083	-0.0062	0.0122	0.0029
	Z	-0.0113	0.0041	-0.0062	0.0182	-0.0009	-0.0043
AT. 117 O	X	-0.0077	0.0130	0.0110	0.0011	-0.0154	-0.0135
	Y	-0.0071	0.0049	0.0024	0.0080	-0.0131	-0.0033
	Z	0.0080	-0.0112	-0.0197	-0.0006	0.0117	0.0116
AT. 118 O	X	0.0077	-0.0130	-0.0110	-0.0011	0.0154	-0.0135
	Y	0.0071	-0.0049	-0.0024	-0.0080	0.0131	-0.0033
	Z	0.0080	-0.0112	-0.0197	-0.0006	0.0117	-0.0116
AT. 119 O	X	0.0077	0.0130	-0.0110	0.0011	-0.0154	0.0135
	Y	-0.0071	-0.0049	0.0024	-0.0080	0.0131	-0.0033

	Z	0.0080	0.0112	-0.0197	0.0006	-0.0117	0.0116
AT. 120 O	X	-0.0077	-0.0130	0.0110	-0.0011	0.0154	0.0135
	Y	0.0071	0.0049	-0.0024	0.0080	-0.0131	-0.0033
	Z	0.0080	0.0112	-0.0197	0.0006	-0.0117	-0.0116
AT. 121 O	X	0.0077	-0.0130	0.0110	-0.0011	-0.0154	-0.0135
	Y	0.0071	-0.0049	0.0024	-0.0080	-0.0131	-0.0033
	Z	-0.0080	0.0112	-0.0197	0.0006	0.0117	0.0116
AT. 122 O	X	-0.0077	0.0130	-0.0110	0.0011	0.0154	-0.0135
	Y	-0.0071	0.0049	-0.0024	0.0080	0.0131	-0.0033
	Z	-0.0080	0.0112	-0.0197	0.0006	0.0117	-0.0116
AT. 123 O	X	-0.0077	-0.0130	-0.0110	-0.0011	-0.0154	0.0135
	Y	0.0071	0.0049	0.0024	0.0080	0.0131	-0.0033
	Z	-0.0080	-0.0112	-0.0197	-0.0006	-0.0117	0.0116
AT. 124 O	X	0.0077	0.0130	0.0110	0.0011	0.0154	0.0135
	Y	-0.0071	-0.0049	-0.0024	-0.0080	-0.0131	-0.0033
	Z	-0.0080	-0.0112	-0.0197	-0.0006	-0.0117	-0.0116

FREQ(CM**-1)	159.35	161.75	161.76	165.96	169.12	173.17
AT. 1 SI X	0.0017	-0.0075	0.0113	-0.0025	0.0047	0.0028
Y	0.0036	0.0160	-0.0118	0.0185	-0.0131	0.0094
Z	0.0080	-0.0020	-0.0034	0.0010	-0.0094	-0.0139
AT. 2 SI X	0.0017	-0.0075	-0.0113	-0.0025	-0.0047	0.0028
Y	0.0036	0.0160	0.0118	0.0185	0.0131	0.0094
Z	-0.0080	0.0020	-0.0034	-0.0010	-0.0094	0.0139
AT. 3 SI X	0.0017	0.0075	-0.0113	-0.0025	0.0047	0.0028
Y	-0.0036	0.0160	-0.0118	-0.0185	0.0131	-0.0094
Z	-0.0080	-0.0020	-0.0034	-0.0010	0.0094	0.0139
AT. 4 SI X	0.0017	0.0075	0.0113	-0.0025	-0.0047	0.0028
Y	-0.0036	0.0160	0.0118	-0.0185	-0.0131	-0.0094
Z	0.0080	0.0020	-0.0034	0.0010	0.0094	-0.0139
AT. 5 SI X	0.0017	0.0075	-0.0113	0.0025	-0.0047	0.0028
Y	0.0036	-0.0160	0.0118	-0.0185	0.0131	0.0094
Z	0.0080	0.0020	0.0034	-0.0010	0.0094	-0.0139
AT. 6 SI X	0.0017	0.0075	0.0113	0.0025	0.0047	0.0028
Y	0.0036	-0.0160	-0.0118	-0.0185	-0.0131	0.0094
Z	-0.0080	-0.0020	0.0034	0.0010	0.0094	0.0139
AT. 7 SI X	0.0017	-0.0075	0.0113	0.0025	-0.0047	0.0028
Y	-0.0036	-0.0160	0.0118	0.0185	-0.0131	-0.0094
Z	-0.0080	0.0020	0.0034	0.0010	-0.0094	0.0139
AT. 8 SI X	0.0017	-0.0075	-0.0113	0.0025	0.0047	0.0028
Y	-0.0036	-0.0160	-0.0118	0.0185	0.0131	-0.0094
Z	0.0080	-0.0020	0.0034	-0.0010	-0.0094	-0.0139
AT. 9 SI X	-0.0038	0.0044	-0.0024	-0.0004	0.0008	-0.0016
Y	-0.0046	-0.0049	0.0103	-0.0076	-0.0068	-0.0018
Z	-0.0147	-0.0011	0.0051	-0.0001	-0.0032	-0.0048
AT. 10 SI X	-0.0038	0.0044	0.0024	-0.0004	-0.0008	-0.0016
Y	-0.0046	-0.0049	-0.0103	-0.0076	0.0068	-0.0018
Z	0.0147	0.0011	0.0051	0.0001	-0.0032	0.0048
AT. 11 SI X	-0.0038	-0.0044	0.0024	-0.0004	0.0008	-0.0016
Y	0.0046	-0.0049	0.0103	0.0076	0.0068	0.0018
Z	0.0147	-0.0011	0.0051	0.0001	0.0032	0.0048
AT. 12 SI X	-0.0038	-0.0044	-0.0024	-0.0004	-0.0008	-0.0016
Y	0.0046	-0.0049	-0.0103	0.0076	-0.0068	0.0018
Z	-0.0147	0.0011	0.0051	-0.0001	0.0032	-0.0048
AT. 13 SI X	-0.0038	-0.0044	0.0024	0.0004	-0.0008	-0.0016
Y	-0.0046	0.0049	-0.0103	0.0076	0.0068	-0.0018
Z	-0.0147	0.0011	-0.0051	0.0001	0.0032	-0.0048
AT. 14 SI X	-0.0038	-0.0044	-0.0024	0.0004	0.0008	-0.0016
Y	-0.0046	0.0049	0.0103	0.0076	-0.0068	-0.0018
Z	0.0147	-0.0011	-0.0051	-0.0001	0.0032	0.0048

AT.	15 SI	X	-0.0038	0.0044	-0.0024	0.0004	-0.0008	-0.0016
		Y	0.0046	0.0049	-0.0103	-0.0076	-0.0068	0.0018
		Z	0.0147	0.0011	-0.0051	-0.0001	-0.0032	0.0048
AT.	16 SI	X	-0.0038	0.0044	0.0024	0.0004	0.0008	-0.0016
		Y	0.0046	0.0049	0.0103	-0.0076	0.0068	0.0018
		Z	-0.0147	-0.0011	-0.0051	0.0001	-0.0032	-0.0048
AT.	17 SI	X	0.0102	0.0000	-0.0104	0.0074	0.0000	-0.0036
		Y	0.0000	-0.0145	0.0000	0.0000	0.0044	0.0000
		Z	-0.0095	0.0000	-0.0021	0.0126	0.0000	0.0076
AT.	18 SI	X	0.0102	0.0000	0.0104	0.0074	0.0000	-0.0036
		Y	0.0000	-0.0145	0.0000	0.0000	-0.0044	0.0000
		Z	0.0095	0.0000	-0.0021	-0.0126	0.0000	-0.0076
AT.	19 SI	X	0.0102	0.0000	0.0104	-0.0074	0.0000	-0.0036
		Y	0.0000	0.0145	0.0000	0.0000	-0.0044	0.0000
		Z	-0.0095	0.0000	0.0021	-0.0126	0.0000	0.0076
AT.	20 SI	X	0.0102	0.0000	-0.0104	-0.0074	0.0000	-0.0036
		Y	0.0000	0.0145	0.0000	0.0000	0.0044	0.0000
		Z	0.0095	0.0000	0.0021	0.0126	0.0000	-0.0076
AT.	21 CA	X	-0.0003	-0.0214	0.0275	-0.0045	-0.0108	-0.0039
		Y	-0.0124	-0.0072	0.0004	0.0166	-0.0076	-0.0003
		Z	0.0031	-0.0091	0.0095	0.0022	-0.0027	0.0014
AT.	22 CA	X	-0.0003	-0.0214	-0.0275	-0.0045	0.0108	-0.0039
		Y	-0.0124	-0.0072	-0.0004	0.0166	0.0076	-0.0003
		Z	-0.0031	0.0091	0.0095	-0.0022	-0.0027	-0.0014
AT.	23 CA	X	-0.0003	0.0214	-0.0275	-0.0045	-0.0108	-0.0039
		Y	0.0124	-0.0072	0.0004	-0.0166	0.0076	0.0003
		Z	-0.0031	-0.0091	0.0095	-0.0022	0.0027	-0.0014
AT.	24 CA	X	-0.0003	0.0214	0.0275	-0.0045	0.0108	-0.0039
		Y	0.0124	-0.0072	-0.0004	-0.0166	-0.0076	0.0003
		Z	0.0031	0.0091	0.0095	0.0022	0.0027	0.0014
AT.	25 CA	X	-0.0003	0.0214	-0.0275	0.0045	0.0108	-0.0039
		Y	-0.0124	0.0072	-0.0004	-0.0166	0.0076	-0.0003
		Z	0.0031	0.0091	-0.0095	-0.0022	0.0027	0.0014
AT.	26 CA	X	-0.0003	0.0214	0.0275	0.0045	-0.0108	-0.0039
		Y	-0.0124	0.0072	0.0004	-0.0166	-0.0076	-0.0003
		Z	-0.0031	-0.0091	-0.0095	0.0022	0.0027	-0.0014
AT.	27 CA	X	-0.0003	-0.0214	0.0275	0.0045	0.0108	-0.0039
		Y	0.0124	0.0072	-0.0004	0.0166	-0.0076	0.0003
		Z	-0.0031	0.0091	-0.0095	0.0022	-0.0027	-0.0014
AT.	28 CA	X	-0.0003	-0.0214	-0.0275	0.0045	-0.0108	-0.0039
		Y	0.0124	0.0072	0.0004	0.0166	0.0076	0.0003
		Z	0.0031	-0.0091	-0.0095	-0.0022	-0.0027	0.0014
AT.	29 CA	X	0.0028	0.0000	0.0000	0.0000	0.0000	0.0021
		Y	-0.0143	0.0000	0.0000	0.0000	0.0000	0.0114
		Z	0.0218	0.0000	0.0000	0.0000	0.0000	-0.0109
AT.	30 CA	X	0.0028	0.0000	0.0000	0.0000	0.0000	0.0021
		Y	-0.0143	0.0000	0.0000	0.0000	0.0000	0.0114
		Z	-0.0218	0.0000	0.0000	0.0000	0.0000	0.0109
AT.	31 CA	X	0.0028	0.0000	0.0000	0.0000	0.0000	0.0021
		Y	0.0143	0.0000	0.0000	0.0000	0.0000	-0.0114
		Z	-0.0218	0.0000	0.0000	0.0000	0.0000	0.0109
AT.	32 CA	X	0.0028	0.0000	0.0000	0.0000	0.0000	0.0021
		Y	0.0143	0.0000	0.0000	0.0000	0.0000	-0.0114
		Z	0.0218	0.0000	0.0000	0.0000	0.0000	-0.0109
AT.	33 CA	X	0.0021	-0.0062	-0.0008	-0.0086	0.0002	0.0072
		Y	-0.0104	0.0084	0.0017	0.0002	0.0101	0.0164
		Z	-0.0039	-0.0087	-0.0093	-0.0141	0.0047	0.0046
AT.	34 CA	X	0.0021	-0.0062	0.0008	-0.0086	-0.0002	0.0072
		Y	-0.0104	0.0084	-0.0017	0.0002	-0.0101	0.0164
		Z	0.0039	0.0087	-0.0093	0.0141	0.0047	-0.0046
AT.	35 CA	X	0.0021	0.0062	0.0008	-0.0086	0.0002	0.0072

		Y	0.0104	0.0084	0.0017	-0.0002	-0.0101	-0.0164
		Z	0.0039	-0.0087	-0.0093	0.0141	-0.0047	-0.0046
AT.	36	CA X	0.0021	0.0062	-0.0008	-0.0086	-0.0002	0.0072
		Y	0.0104	0.0084	-0.0017	-0.0002	0.0101	-0.0164
		Z	-0.0039	0.0087	-0.0093	-0.0141	-0.0047	0.0046
AT.	37	CA X	0.0021	0.0062	0.0008	0.0086	-0.0002	0.0072
		Y	-0.0104	-0.0084	-0.0017	-0.0002	-0.0101	0.0164
		Z	-0.0039	0.0087	0.0093	0.0141	-0.0047	0.0046
AT.	38	CA X	0.0021	0.0062	-0.0008	0.0086	0.0002	0.0072
		Y	-0.0104	-0.0084	0.0017	-0.0002	0.0101	0.0164
		Z	0.0039	-0.0087	0.0093	-0.0141	-0.0047	-0.0046
AT.	39	CA X	0.0021	-0.0062	-0.0008	0.0086	-0.0002	0.0072
		Y	0.0104	-0.0084	-0.0017	0.0002	0.0101	-0.0164
		Z	0.0039	0.0087	0.0093	-0.0141	0.0047	-0.0046
AT.	40	CA X	0.0021	-0.0062	0.0008	0.0086	0.0002	0.0072
		Y	0.0104	-0.0084	0.0017	0.0002	-0.0101	-0.0164
		Z	-0.0039	-0.0087	0.0093	0.0141	0.0047	0.0046
AT.	41	CA X	-0.0026	0.0097	-0.0092	-0.0014	-0.0143	-0.0039
		Y	0.0067	-0.0093	0.0023	-0.0104	0.0052	0.0015
		Z	-0.0091	0.0115	0.0010	0.0194	-0.0207	-0.0138
AT.	42	CA X	-0.0026	0.0097	0.0092	-0.0014	0.0143	-0.0039
		Y	0.0067	-0.0093	-0.0023	-0.0104	-0.0052	0.0015
		Z	0.0091	-0.0115	0.0010	-0.0194	-0.0207	0.0138
AT.	43	CA X	-0.0026	-0.0097	0.0092	-0.0014	-0.0143	-0.0039
		Y	-0.0067	-0.0093	0.0023	0.0104	-0.0052	-0.0015
		Z	0.0091	0.0115	0.0010	-0.0194	0.0207	0.0138
AT.	44	CA X	-0.0026	-0.0097	-0.0092	-0.0014	0.0143	-0.0039
		Y	-0.0067	-0.0093	-0.0023	0.0104	0.0052	-0.0015
		Z	-0.0091	-0.0115	0.0010	0.0194	0.0207	-0.0138
AT.	45	CA X	-0.0026	-0.0097	0.0092	0.0014	0.0143	-0.0039
		Y	0.0067	0.0093	-0.0023	0.0104	-0.0052	0.0015
		Z	-0.0091	-0.0115	-0.0010	-0.0194	0.0207	-0.0138
AT.	46	CA X	-0.0026	-0.0097	-0.0092	0.0014	-0.0143	-0.0039
		Y	0.0067	0.0093	0.0023	0.0104	0.0052	0.0015
		Z	0.0091	0.0115	-0.0010	0.0194	0.0207	0.0138
AT.	47	CA X	-0.0026	0.0097	-0.0092	0.0014	0.0143	-0.0039
		Y	-0.0067	0.0093	-0.0023	-0.0104	0.0052	-0.0015
		Z	0.0091	-0.0115	-0.0010	0.0194	-0.0207	0.0138
AT.	48	CA X	-0.0026	0.0097	0.0092	0.0014	-0.0143	-0.0039
		Y	-0.0067	0.0093	0.0023	-0.0104	-0.0052	-0.0015
		Z	-0.0091	0.0115	-0.0010	-0.0194	-0.0207	-0.0138
AT.	49	CA X	-0.0147	0.0000	-0.0025	0.0024	0.0000	0.0122
		Y	0.0000	0.0118	0.0000	0.0000	0.0025	0.0000
		Z	0.0068	0.0000	-0.0270	-0.0283	0.0000	0.0243
AT.	50	CA X	-0.0147	0.0000	0.0025	0.0024	0.0000	0.0122
		Y	0.0000	0.0118	0.0000	0.0000	-0.0025	0.0000
		Z	-0.0068	0.0000	-0.0270	0.0283	0.0000	-0.0243
AT.	51	CA X	-0.0147	0.0000	0.0025	-0.0024	0.0000	0.0122
		Y	0.0000	-0.0118	0.0000	0.0000	-0.0025	0.0000
		Z	0.0068	0.0000	0.0270	0.0283	0.0000	0.0243
AT.	52	CA X	-0.0147	0.0000	-0.0025	-0.0024	0.0000	0.0122
		Y	0.0000	-0.0118	0.0000	0.0000	0.0025	0.0000
		Z	-0.0068	0.0000	0.0270	-0.0283	0.0000	-0.0243
AT.	53	O X	0.0125	-0.0013	0.0080	0.0001	-0.0013	0.0047
		Y	-0.0021	0.0118	-0.0092	0.0160	-0.0087	0.0094
		Z	0.0142	-0.0069	-0.0034	-0.0011	-0.0001	-0.0066
AT.	54	O X	0.0125	-0.0013	-0.0080	0.0001	0.0013	0.0047
		Y	-0.0021	0.0118	0.0092	0.0160	0.0087	0.0094
		Z	-0.0142	0.0069	-0.0034	0.0011	-0.0001	0.0066
AT.	55	O X	0.0125	0.0013	-0.0080	0.0001	-0.0013	0.0047
		Y	0.0021	0.0118	-0.0092	-0.0160	0.0087	-0.0094

		Z	-0.0142	-0.0069	-0.0034	0.0011	0.0001	0.0066
AT.	56 O	X	0.0125	0.0013	0.0080	0.0001	0.0013	0.0047
		Y	0.0021	0.0118	0.0092	-0.0160	-0.0087	-0.0094
		Z	0.0142	0.0069	-0.0034	-0.0011	0.0001	-0.0066
AT.	57 O	X	0.0125	0.0013	-0.0080	-0.0001	0.0013	0.0047
		Y	-0.0021	-0.0118	0.0092	-0.0160	0.0087	0.0094
		Z	0.0142	0.0069	0.0034	0.0011	0.0001	-0.0066
AT.	58 O	X	0.0125	0.0013	0.0080	-0.0001	-0.0013	0.0047
		Y	-0.0021	-0.0118	-0.0092	-0.0160	-0.0087	0.0094
		Z	-0.0142	-0.0069	0.0034	-0.0011	0.0001	0.0066
AT.	59 O	X	0.0125	-0.0013	0.0080	-0.0001	0.0013	0.0047
		Y	0.0021	-0.0118	0.0092	0.0160	-0.0087	-0.0094
		Z	-0.0142	0.0069	0.0034	-0.0011	-0.0001	0.0066
AT.	60 O	X	0.0125	-0.0013	-0.0080	-0.0001	-0.0013	0.0047
		Y	0.0021	-0.0118	-0.0092	0.0160	0.0087	-0.0094
		Z	0.0142	-0.0069	0.0034	0.0011	-0.0001	-0.0066
AT.	61 O	X	-0.0085	-0.0035	0.0127	0.0002	0.0012	0.0028
		Y	0.0071	0.0071	-0.0108	0.0128	-0.0049	0.0160
		Z	0.0003	0.0052	-0.0032	0.0049	-0.0159	-0.0169
AT.	62 O	X	-0.0085	-0.0035	-0.0127	0.0002	-0.0012	0.0028
		Y	0.0071	0.0071	0.0108	0.0128	0.0049	0.0160
		Z	-0.0003	-0.0052	-0.0032	-0.0049	-0.0159	0.0169
AT.	63 O	X	-0.0085	0.0035	-0.0127	0.0002	0.0012	0.0028
		Y	-0.0071	0.0071	-0.0108	-0.0128	0.0049	-0.0160
		Z	-0.0003	0.0052	-0.0032	-0.0049	0.0159	0.0169
AT.	64 O	X	-0.0085	0.0035	0.0127	0.0002	-0.0012	0.0028
		Y	-0.0071	0.0071	0.0108	-0.0128	-0.0049	-0.0160
		Z	0.0003	-0.0052	-0.0032	0.0049	0.0159	-0.0169
AT.	65 O	X	-0.0085	0.0035	-0.0127	-0.0002	-0.0012	0.0028
		Y	0.0071	-0.0071	0.0108	-0.0128	0.0049	0.0160
		Z	0.0003	-0.0052	0.0032	-0.0049	0.0159	-0.0169
AT.	66 O	X	-0.0085	0.0035	0.0127	-0.0002	0.0012	0.0028
		Y	0.0071	-0.0071	-0.0108	-0.0128	-0.0049	0.0160
		Z	-0.0003	0.0052	0.0032	0.0049	0.0159	0.0169
AT.	67 O	X	-0.0085	-0.0035	0.0127	-0.0002	-0.0012	0.0028
		Y	-0.0071	-0.0071	0.0108	0.0128	-0.0049	-0.0160
		Z	-0.0003	-0.0052	0.0032	0.0049	-0.0159	0.0169
AT.	68 O	X	-0.0085	-0.0035	-0.0127	-0.0002	0.0012	0.0028
		Y	-0.0071	-0.0071	-0.0108	0.0128	0.0049	-0.0160
		Z	0.0003	0.0052	0.0032	-0.0049	-0.0159	-0.0169
AT.	69 O	X	-0.0001	-0.0089	0.0070	-0.0061	0.0090	-0.0023
		Y	-0.0079	0.0173	-0.0071	0.0143	-0.0137	0.0037
		Z	0.0034	0.0001	0.0005	0.0014	-0.0114	-0.0136
AT.	70 O	X	-0.0001	-0.0089	-0.0070	-0.0061	-0.0090	-0.0023
		Y	-0.0079	0.0173	0.0071	0.0143	0.0137	0.0037
		Z	-0.0034	-0.0001	0.0005	-0.0014	-0.0114	0.0136
AT.	71 O	X	-0.0001	0.0089	-0.0070	-0.0061	0.0090	-0.0023
		Y	0.0079	0.0173	-0.0071	-0.0143	0.0137	-0.0037
		Z	-0.0034	0.0001	0.0005	-0.0014	0.0114	0.0136
AT.	72 O	X	-0.0001	0.0089	0.0070	-0.0061	-0.0090	-0.0023
		Y	0.0079	0.0173	0.0071	-0.0143	-0.0137	-0.0037
		Z	0.0034	-0.0001	0.0005	0.0014	0.0114	-0.0136
AT.	73 O	X	-0.0001	0.0089	-0.0070	0.0061	-0.0090	-0.0023
		Y	-0.0079	-0.0173	0.0071	-0.0143	0.0137	0.0037
		Z	0.0034	-0.0001	-0.0005	-0.0014	0.0114	-0.0136
AT.	74 O	X	-0.0001	0.0089	0.0070	0.0061	0.0090	-0.0023
		Y	-0.0079	-0.0173	-0.0071	-0.0143	-0.0137	0.0037
		Z	-0.0034	0.0001	-0.0005	0.0014	0.0114	0.0136
AT.	75 O	X	-0.0001	-0.0089	0.0070	0.0061	-0.0090	-0.0023
		Y	0.0079	-0.0173	0.0071	0.0143	-0.0137	-0.0037
		Z	-0.0034	-0.0001	-0.0005	0.0014	-0.0114	0.0136

AT.	76	O	X	-0.0001	-0.0089	-0.0070	0.0061	0.0090	-0.0023
			Y	0.0079	-0.0173	-0.0071	0.0143	0.0137	-0.0037
			Z	0.0034	0.0001	-0.0005	-0.0014	-0.0114	-0.0136
AT.	77	O	X	0.0015	-0.0068	0.0108	-0.0023	0.0040	0.0026
			Y	0.0082	0.0182	-0.0123	0.0111	-0.0092	0.0133
			Z	0.0106	-0.0061	-0.0039	-0.0050	-0.0033	-0.0123
AT.	78	O	X	0.0015	-0.0068	-0.0108	-0.0023	-0.0040	0.0026
			Y	0.0082	0.0182	0.0123	0.0111	0.0092	0.0133
			Z	-0.0106	0.0061	-0.0039	0.0050	-0.0033	0.0123
AT.	79	O	X	0.0015	0.0068	-0.0108	-0.0023	0.0040	0.0026
			Y	-0.0082	0.0182	-0.0123	-0.0111	0.0092	-0.0133
			Z	-0.0106	-0.0061	-0.0039	0.0050	0.0033	0.0123
AT.	80	O	X	0.0015	0.0068	0.0108	-0.0023	-0.0040	0.0026
			Y	-0.0082	0.0182	0.0123	-0.0111	-0.0092	-0.0133
			Z	0.0106	0.0061	-0.0039	-0.0050	0.0033	-0.0123
AT.	81	O	X	0.0015	0.0068	-0.0108	0.0023	-0.0040	0.0026
			Y	0.0082	-0.0182	0.0123	-0.0111	0.0092	0.0133
			Z	0.0106	0.0061	0.0039	0.0050	0.0033	-0.0123
AT.	82	O	X	0.0015	0.0068	0.0108	0.0023	0.0040	0.0026
			Y	0.0082	-0.0182	-0.0123	-0.0111	-0.0092	0.0133
			Z	-0.0106	-0.0061	0.0039	-0.0050	0.0033	0.0123
AT.	83	O	X	0.0015	-0.0068	0.0108	0.0023	-0.0040	0.0026
			Y	-0.0082	-0.0182	0.0123	0.0111	-0.0092	-0.0133
			Z	-0.0106	0.0061	0.0039	-0.0050	-0.0033	0.0123
AT.	84	O	X	0.0015	-0.0068	-0.0108	0.0023	0.0040	0.0026
			Y	-0.0082	-0.0182	-0.0123	0.0111	0.0092	-0.0133
			Z	0.0106	-0.0061	0.0039	0.0050	-0.0033	-0.0123
AT.	85	O	X	0.0010	-0.0007	0.0015	0.0005	0.0009	0.0034
			Y	-0.0184	0.0060	0.0119	-0.0058	-0.0117	-0.0069
			Z	-0.0045	-0.0103	0.0062	0.0003	-0.0001	0.0008
AT.	86	O	X	0.0010	-0.0007	-0.0015	0.0005	-0.0009	0.0034
			Y	-0.0184	0.0060	-0.0119	-0.0058	0.0117	-0.0069
			Z	0.0045	0.0103	0.0062	-0.0003	-0.0001	-0.0008
AT.	87	O	X	0.0010	0.0007	-0.0015	0.0005	0.0009	0.0034
			Y	0.0184	0.0060	0.0119	0.0058	0.0117	0.0069
			Z	0.0045	-0.0103	0.0062	-0.0003	0.0001	-0.0008
AT.	88	O	X	0.0010	0.0007	0.0015	0.0005	-0.0009	0.0034
			Y	0.0184	0.0060	-0.0119	0.0058	-0.0117	0.0069
			Z	-0.0045	0.0103	0.0062	0.0003	0.0001	0.0008
AT.	89	O	X	0.0010	0.0007	-0.0015	-0.0005	-0.0009	0.0034
			Y	-0.0184	-0.0060	-0.0119	0.0058	0.0117	-0.0069
			Z	-0.0045	0.0103	-0.0062	-0.0003	0.0001	0.0008
AT.	90	O	X	0.0010	0.0007	0.0015	-0.0005	0.0009	0.0034
			Y	-0.0184	-0.0060	0.0119	0.0058	-0.0117	-0.0069
			Z	0.0045	-0.0103	-0.0062	0.0003	0.0001	-0.0008
AT.	91	O	X	0.0010	-0.0007	0.0015	-0.0005	-0.0009	0.0034
			Y	0.0184	-0.0060	-0.0119	-0.0058	-0.0117	0.0069
			Z	0.0045	0.0103	-0.0062	0.0003	-0.0001	-0.0008
AT.	92	O	X	0.0010	-0.0007	-0.0015	-0.0005	0.0009	0.0034
			Y	0.0184	-0.0060	0.0119	-0.0058	0.0117	0.0069
			Z	-0.0045	-0.0103	-0.0062	-0.0003	-0.0001	0.0008
AT.	93	O	X	-0.0104	0.0116	0.0050	0.0027	-0.0118	-0.0112
			Y	0.0002	-0.0082	0.0062	-0.0078	-0.0003	0.0039
			Z	-0.0273	0.0127	0.0089	0.0000	-0.0111	-0.0191
AT.	94	O	X	-0.0104	0.0116	-0.0050	0.0027	0.0118	-0.0112
			Y	0.0002	-0.0082	-0.0062	-0.0078	0.0003	0.0039
			Z	0.0273	-0.0127	0.0089	0.0000	-0.0111	0.0191
AT.	95	O	X	-0.0104	-0.0116	-0.0050	0.0027	-0.0118	-0.0112
			Y	-0.0002	-0.0082	0.0062	0.0078	0.0003	-0.0039
			Z	0.0273	0.0127	0.0089	0.0000	0.0111	0.0191
AT.	96	O	X	-0.0104	-0.0116	0.0050	0.0027	0.0118	-0.0112

	Y	-0.0002	-0.0082	-0.0062	0.0078	-0.0003	-0.0039
	Z	-0.0273	-0.0127	0.0089	0.0000	0.0111	-0.0191
AT. 97 O	X	-0.0104	-0.0116	-0.0050	-0.0027	0.0118	-0.0112
	Y	0.0002	0.0082	-0.0062	0.0078	0.0003	0.0039
	Z	-0.0273	-0.0127	-0.0089	0.0000	0.0111	-0.0191
AT. 98 O	X	-0.0104	-0.0116	0.0050	-0.0027	-0.0118	-0.0112
	Y	0.0002	0.0082	0.0062	0.0078	-0.0003	0.0039
	Z	0.0273	0.0127	-0.0089	0.0000	0.0111	0.0191
AT. 99 O	X	-0.0104	0.0116	0.0050	-0.0027	0.0118	-0.0112
	Y	-0.0002	0.0082	-0.0062	-0.0078	-0.0003	-0.0039
	Z	0.0273	-0.0127	-0.0089	0.0000	-0.0111	0.0191
AT. 100 O	X	-0.0104	0.0116	-0.0050	-0.0027	-0.0118	-0.0112
	Y	-0.0002	0.0082	0.0062	-0.0078	0.0003	-0.0039
	Z	-0.0273	0.0127	-0.0089	0.0000	-0.0111	-0.0191
AT. 101 O	X	0.0013	-0.0018	-0.0091	0.0023	0.0060	-0.0085
	Y	0.0117	-0.0141	0.0028	-0.0031	0.0052	0.0058
	Z	-0.0050	-0.0043	0.0017	0.0015	0.0052	0.0062
AT. 102 O	X	0.0013	-0.0018	0.0091	0.0023	-0.0060	-0.0085
	Y	0.0117	-0.0141	-0.0028	-0.0031	-0.0052	0.0058
	Z	0.0050	0.0043	0.0017	-0.0015	0.0052	-0.0062
AT. 103 O	X	0.0013	0.0018	0.0091	0.0023	0.0060	-0.0085
	Y	-0.0117	-0.0141	0.0028	0.0031	-0.0052	-0.0058
	Z	0.0050	-0.0043	0.0017	-0.0015	-0.0052	-0.0062
AT. 104 O	X	0.0013	0.0018	-0.0091	0.0023	-0.0060	-0.0085
	Y	-0.0117	-0.0141	-0.0028	0.0031	0.0052	-0.0058
	Z	-0.0050	0.0043	0.0017	0.0015	-0.0052	0.0062
AT. 105 O	X	0.0013	0.0018	0.0091	-0.0023	-0.0060	-0.0085
	Y	0.0117	0.0141	-0.0028	0.0031	-0.0052	0.0058
	Z	-0.0050	0.0043	-0.0017	-0.0015	-0.0052	0.0062
AT. 106 O	X	0.0013	0.0018	-0.0091	-0.0023	0.0060	-0.0085
	Y	0.0117	0.0141	0.0028	0.0031	0.0052	0.0058
	Z	0.0050	-0.0043	-0.0017	0.0015	-0.0052	-0.0062
AT. 107 O	X	0.0013	-0.0018	-0.0091	-0.0023	-0.0060	-0.0085
	Y	-0.0117	0.0141	-0.0028	-0.0031	0.0052	-0.0058
	Z	0.0050	0.0043	-0.0017	0.0015	0.0052	-0.0062
AT. 108 O	X	0.0013	-0.0018	0.0091	-0.0023	0.0060	-0.0085
	Y	-0.0117	0.0141	0.0028	-0.0031	-0.0052	-0.0058
	Z	-0.0050	-0.0043	-0.0017	-0.0015	0.0052	0.0062
AT. 109 O	X	-0.0028	0.0035	-0.0029	-0.0011	0.0002	-0.0023
	Y	-0.0114	0.0066	0.0131	0.0020	-0.0080	-0.0042
	Z	-0.0116	-0.0092	0.0045	-0.0033	-0.0068	-0.0065
AT. 110 O	X	-0.0028	0.0035	0.0029	-0.0011	-0.0002	-0.0023
	Y	-0.0114	0.0066	-0.0131	0.0020	0.0080	-0.0042
	Z	0.0116	0.0092	0.0045	0.0033	-0.0068	0.0065
AT. 111 O	X	-0.0028	-0.0035	0.0029	-0.0011	0.0002	-0.0023
	Y	0.0114	0.0066	0.0131	-0.0020	0.0080	0.0042
	Z	0.0116	-0.0092	0.0045	0.0033	0.0068	0.0065
AT. 112 O	X	-0.0028	-0.0035	-0.0029	-0.0011	-0.0002	-0.0023
	Y	0.0114	0.0066	-0.0131	-0.0020	-0.0080	0.0042
	Z	-0.0116	0.0092	0.0045	-0.0033	0.0068	-0.0065
AT. 113 O	X	-0.0028	-0.0035	0.0029	0.0011	-0.0002	-0.0023
	Y	-0.0114	-0.0066	-0.0131	-0.0020	0.0080	-0.0042
	Z	-0.0116	0.0092	-0.0045	0.0033	0.0068	-0.0065
AT. 114 O	X	-0.0028	-0.0035	-0.0029	0.0011	0.0002	-0.0023
	Y	-0.0114	-0.0066	0.0131	-0.0020	-0.0080	-0.0042
	Z	0.0116	-0.0092	-0.0045	-0.0033	0.0068	0.0065
AT. 115 O	X	-0.0028	0.0035	-0.0029	0.0011	-0.0002	-0.0023
	Y	0.0114	-0.0066	-0.0131	0.0020	-0.0080	0.0042
	Z	0.0116	0.0092	-0.0045	-0.0033	-0.0068	0.0065
AT. 116 O	X	-0.0028	0.0035	0.0029	0.0011	0.0002	-0.0023
	Y	0.0114	-0.0066	0.0131	0.0020	0.0080	0.0042

	Z	-0.0116	-0.0092	-0.0045	0.0033	-0.0068	-0.0065
AT. 117 O	X	0.0163	0.0024	-0.0062	0.0095	0.0231	-0.0039
	Y	-0.0003	-0.0114	-0.0018	0.0026	0.0035	-0.0023
	Z	-0.0155	-0.0057	-0.0042	0.0064	-0.0229	0.0111
AT. 118 O	X	0.0163	0.0024	0.0062	0.0095	-0.0231	-0.0039
	Y	-0.0003	-0.0114	0.0018	0.0026	-0.0035	-0.0023
	Z	0.0155	0.0057	-0.0042	-0.0064	-0.0229	-0.0111
AT. 119 O	X	0.0163	-0.0024	0.0062	0.0095	0.0231	-0.0039
	Y	0.0003	-0.0114	-0.0018	-0.0026	-0.0035	0.0023
	Z	0.0155	-0.0057	-0.0042	-0.0064	0.0229	-0.0111
AT. 120 O	X	0.0163	-0.0024	-0.0062	0.0095	-0.0231	-0.0039
	Y	0.0003	-0.0114	0.0018	-0.0026	0.0035	0.0023
	Z	-0.0155	0.0057	-0.0042	0.0064	0.0229	0.0111
AT. 121 O	X	0.0163	-0.0024	0.0062	-0.0095	-0.0231	-0.0039
	Y	-0.0003	0.0114	0.0018	-0.0026	-0.0035	-0.0023
	Z	-0.0155	0.0057	0.0042	-0.0064	0.0229	0.0111
AT. 122 O	X	0.0163	-0.0024	-0.0062	-0.0095	0.0231	-0.0039
	Y	-0.0003	0.0114	-0.0018	-0.0026	0.0035	-0.0023
	Z	0.0155	-0.0057	0.0042	0.0064	0.0229	-0.0111
AT. 123 O	X	0.0163	0.0024	-0.0062	-0.0095	-0.0231	-0.0039
	Y	0.0003	0.0114	0.0018	0.0026	0.0035	0.0023
	Z	0.0155	0.0057	0.0042	0.0064	-0.0229	-0.0111
AT. 124 O	X	0.0163	0.0024	0.0062	-0.0095	0.0231	-0.0039
	Y	0.0003	0.0114	-0.0018	0.0026	-0.0035	0.0023
	Z	-0.0155	-0.0057	0.0042	-0.0064	-0.0229	0.0111

FREQ(CM**-1)	175.37	175.94	175.96	177.37	177.89	179.19
AT. 1 SI X	0.0046	-0.0018	-0.0084	-0.0090	0.0009	0.0013
Y	-0.0030	0.0036	-0.0017	0.0037	0.0059	0.0036
Z	-0.0064	0.0025	0.0013	0.0051	-0.0013	-0.0116
AT. 2 SI X	-0.0046	-0.0018	0.0084	-0.0090	0.0009	-0.0013
Y	0.0030	0.0036	0.0017	0.0037	0.0059	-0.0036
Z	-0.0064	-0.0025	0.0013	-0.0051	0.0013	-0.0116
AT. 3 SI X	-0.0046	-0.0018	0.0084	0.0090	0.0009	0.0013
Y	-0.0030	-0.0036	-0.0017	0.0037	-0.0059	-0.0036
Z	-0.0064	-0.0025	0.0013	0.0051	0.0013	0.0116
AT. 4 SI X	0.0046	-0.0018	-0.0084	0.0090	0.0009	-0.0013
Y	0.0030	-0.0036	0.0017	0.0037	-0.0059	0.0036
Z	-0.0064	0.0025	0.0013	-0.0051	-0.0013	0.0116
AT. 5 SI X	0.0046	0.0018	0.0084	0.0090	0.0009	0.0013
Y	-0.0030	-0.0036	0.0017	-0.0037	0.0059	0.0036
Z	-0.0064	-0.0025	-0.0013	-0.0051	-0.0013	-0.0116
AT. 6 SI X	-0.0046	0.0018	-0.0084	0.0090	0.0009	-0.0013
Y	0.0030	-0.0036	-0.0017	-0.0037	0.0059	-0.0036
Z	-0.0064	0.0025	-0.0013	0.0051	0.0013	-0.0116
AT. 7 SI X	-0.0046	0.0018	-0.0084	-0.0090	0.0009	0.0013
Y	-0.0030	0.0036	0.0017	-0.0037	-0.0059	-0.0036
Z	-0.0064	0.0025	-0.0013	-0.0051	0.0013	0.0116
AT. 8 SI X	0.0046	0.0018	0.0084	-0.0090	0.0009	-0.0013
Y	0.0030	0.0036	-0.0017	-0.0037	-0.0059	0.0036
Z	-0.0064	-0.0025	-0.0013	0.0051	-0.0013	0.0116
AT. 9 SI X	-0.0036	-0.0004	0.0033	0.0071	-0.0011	0.0046
Y	-0.0070	0.0015	0.0045	-0.0012	0.0080	-0.0058
Z	-0.0008	0.0023	0.0064	0.0047	0.0060	-0.0064
AT. 10 SI X	0.0036	-0.0004	-0.0033	0.0071	-0.0011	-0.0046
Y	0.0070	0.0015	-0.0045	-0.0012	0.0080	0.0058
Z	-0.0008	-0.0023	0.0064	-0.0047	-0.0060	-0.0064
AT. 11 SI X	0.0036	-0.0004	-0.0033	-0.0071	-0.0011	0.0046
Y	-0.0070	-0.0015	0.0045	-0.0012	-0.0080	0.0058
Z	-0.0008	-0.0023	0.0064	0.0047	-0.0060	0.0064

AT.	12	SI	X	-0.0036	-0.0004	0.0033	-0.0071	-0.0011	-0.0046
			Y	0.0070	-0.0015	-0.0045	-0.0012	-0.0080	-0.0058
			Z	-0.0008	0.0023	0.0064	-0.0047	0.0060	0.0064
AT.	13	SI	X	-0.0036	0.0004	-0.0033	-0.0071	-0.0011	0.0046
			Y	-0.0070	-0.0015	-0.0045	0.0012	0.0080	-0.0058
			Z	-0.0008	-0.0023	-0.0064	-0.0047	0.0060	-0.0064
AT.	14	SI	X	0.0036	0.0004	0.0033	-0.0071	-0.0011	-0.0046
			Y	0.0070	-0.0015	0.0045	0.0012	0.0080	0.0058
			Z	-0.0008	0.0023	-0.0064	0.0047	-0.0060	-0.0064
AT.	15	SI	X	0.0036	0.0004	0.0033	0.0071	-0.0011	0.0046
			Y	-0.0070	0.0015	-0.0045	0.0012	-0.0080	0.0058
			Z	-0.0008	0.0023	-0.0064	-0.0047	-0.0060	0.0064
AT.	16	SI	X	-0.0036	0.0004	-0.0033	0.0071	-0.0011	-0.0046
			Y	0.0070	0.0015	0.0045	0.0012	-0.0080	-0.0058
			Z	-0.0008	-0.0023	-0.0064	0.0047	0.0060	0.0064
AT.	17	SI	X	0.0029	-0.0069	0.0139	0.0000	0.0113	0.0000
			Y	0.0000	0.0000	0.0000	0.0118	0.0000	-0.0084
			Z	-0.0014	-0.0028	0.0033	0.0000	0.0069	0.0000
AT.	18	SI	X	-0.0029	-0.0069	-0.0139	0.0000	0.0113	0.0000
			Y	0.0000	0.0000	0.0000	0.0118	0.0000	0.0084
			Z	-0.0014	0.0028	0.0033	0.0000	-0.0069	0.0000
AT.	19	SI	X	0.0029	0.0069	-0.0139	0.0000	0.0113	0.0000
			Y	0.0000	0.0000	0.0000	-0.0118	0.0000	-0.0084
			Z	-0.0014	0.0028	-0.0033	0.0000	0.0069	0.0000
AT.	20	SI	X	-0.0029	0.0069	0.0139	0.0000	0.0113	0.0000
			Y	0.0000	0.0000	0.0000	-0.0118	0.0000	0.0084
			Z	-0.0014	-0.0028	-0.0033	0.0000	-0.0069	0.0000
AT.	21	CA	X	-0.0225	0.0279	-0.0133	-0.0243	-0.0004	-0.0028
			Y	0.0043	-0.0060	0.0045	0.0081	-0.0008	-0.0033
			Z	-0.0100	0.0043	0.0019	0.0035	0.0058	-0.0065
AT.	22	CA	X	0.0225	0.0279	0.0133	-0.0243	-0.0004	0.0028
			Y	-0.0043	-0.0060	-0.0045	0.0081	-0.0008	0.0033
			Z	-0.0100	-0.0043	0.0019	-0.0035	-0.0058	-0.0065
AT.	23	CA	X	0.0225	0.0279	0.0133	0.0243	-0.0004	-0.0028
			Y	0.0043	0.0060	0.0045	0.0081	0.0008	0.0033
			Z	-0.0100	-0.0043	0.0019	0.0035	-0.0058	0.0065
AT.	24	CA	X	-0.0225	0.0279	-0.0133	0.0243	-0.0004	0.0028
			Y	-0.0043	0.0060	-0.0045	0.0081	0.0008	-0.0033
			Z	-0.0100	0.0043	0.0019	-0.0035	0.0058	0.0065
AT.	25	CA	X	-0.0225	-0.0279	0.0133	0.0243	-0.0004	-0.0028
			Y	0.0043	0.0060	-0.0045	-0.0081	-0.0008	-0.0033
			Z	-0.0100	-0.0043	-0.0019	-0.0035	0.0058	-0.0065
AT.	26	CA	X	0.0225	-0.0279	-0.0133	0.0243	-0.0004	0.0028
			Y	-0.0043	0.0060	0.0045	-0.0081	-0.0008	0.0033
			Z	-0.0100	0.0043	-0.0019	0.0035	-0.0058	-0.0065
AT.	27	CA	X	0.0225	-0.0279	-0.0133	-0.0243	-0.0004	-0.0028
			Y	0.0043	-0.0060	-0.0045	-0.0081	0.0008	0.0033
			Z	-0.0100	0.0043	-0.0019	-0.0035	-0.0058	0.0065
AT.	28	CA	X	-0.0225	-0.0279	0.0133	-0.0243	-0.0004	0.0028
			Y	-0.0043	-0.0060	0.0045	-0.0081	0.0008	-0.0033
			Z	-0.0100	-0.0043	-0.0019	0.0035	0.0058	0.0065
AT.	29	CA	X	-0.0124	0.0000	0.0000	0.0000	0.0016	-0.0120
			Y	0.0121	0.0000	0.0000	0.0000	0.0117	0.0064
			Z	-0.0012	0.0000	0.0000	0.0000	-0.0038	0.0057
AT.	30	CA	X	0.0124	0.0000	0.0000	0.0000	0.0016	0.0120
			Y	-0.0121	0.0000	0.0000	0.0000	0.0117	-0.0064
			Z	-0.0012	0.0000	0.0000	0.0000	0.0038	0.0057
AT.	31	CA	X	0.0124	0.0000	0.0000	0.0000	0.0016	-0.0120
			Y	0.0121	0.0000	0.0000	0.0000	-0.0117	-0.0064
			Z	-0.0012	0.0000	0.0000	0.0000	0.0038	-0.0057
AT.	32	CA	X	-0.0124	0.0000	0.0000	0.0000	0.0016	0.0120

	Y	-0.0121	0.0000	0.0000	0.0000	-0.0117	0.0064
	Z	-0.0012	0.0000	0.0000	0.0000	-0.0038	-0.0057
AT. 33	CA X	0.0079	0.0162	-0.0064	0.0076	0.0004	0.0178
	Y	0.0036	-0.0019	0.0016	-0.0047	0.0118	-0.0008
	Z	0.0111	0.0055	-0.0005	0.0123	0.0008	0.0100
AT. 34	CA X	-0.0079	0.0162	0.0064	0.0076	0.0004	-0.0178
	Y	-0.0036	-0.0019	-0.0016	-0.0047	0.0118	0.0008
	Z	0.0111	-0.0055	-0.0005	-0.0123	-0.0008	0.0100
AT. 35	CA X	-0.0079	0.0162	0.0064	-0.0076	0.0004	0.0178
	Y	0.0036	0.0019	0.0016	-0.0047	-0.0118	0.0008
	Z	0.0111	-0.0055	-0.0005	0.0123	-0.0008	-0.0100
AT. 36	CA X	0.0079	0.0162	-0.0064	-0.0076	0.0004	-0.0178
	Y	-0.0036	0.0019	-0.0016	-0.0047	-0.0118	-0.0008
	Z	0.0111	0.0055	-0.0005	-0.0123	0.0008	-0.0100
AT. 37	CA X	0.0079	-0.0162	0.0064	-0.0076	0.0004	0.0178
	Y	0.0036	0.0019	-0.0016	0.0047	0.0118	-0.0008
	Z	0.0111	-0.0055	0.0005	-0.0123	0.0008	0.0100
AT. 38	CA X	-0.0079	-0.0162	-0.0064	-0.0076	0.0004	-0.0178
	Y	-0.0036	0.0019	0.0016	0.0047	0.0118	0.0008
	Z	0.0111	0.0055	0.0005	0.0123	-0.0008	0.0100
AT. 39	CA X	-0.0079	-0.0162	-0.0064	0.0076	0.0004	0.0178
	Y	0.0036	-0.0019	-0.0016	0.0047	-0.0118	0.0008
	Z	0.0111	0.0055	0.0005	-0.0123	-0.0008	-0.0100
AT. 40	CA X	0.0079	-0.0162	0.0064	0.0076	0.0004	-0.0178
	Y	-0.0036	-0.0019	0.0016	0.0047	-0.0118	-0.0008
	Z	0.0111	-0.0055	0.0005	0.0123	0.0008	-0.0100
AT. 41	CA X	0.0086	0.0176	0.0096	0.0046	0.0020	-0.0012
	Y	-0.0075	-0.0054	0.0014	0.0074	0.0104	0.0109
	Z	0.0039	0.0046	-0.0035	-0.0012	-0.0134	-0.0214
AT. 42	CA X	-0.0086	0.0176	-0.0096	0.0046	0.0020	0.0012
	Y	0.0075	-0.0054	-0.0014	0.0074	0.0104	-0.0109
	Z	0.0039	-0.0046	-0.0035	0.0012	0.0134	-0.0214
AT. 43	CA X	-0.0086	0.0176	-0.0096	-0.0046	0.0020	-0.0012
	Y	-0.0075	0.0054	0.0014	0.0074	-0.0104	-0.0109
	Z	0.0039	-0.0046	-0.0035	-0.0012	0.0134	0.0214
AT. 44	CA X	0.0086	0.0176	0.0096	-0.0046	0.0020	0.0012
	Y	0.0075	0.0054	-0.0014	0.0074	-0.0104	0.0109
	Z	0.0039	0.0046	-0.0035	0.0012	-0.0134	0.0214
AT. 45	CA X	0.0086	-0.0176	-0.0096	-0.0046	0.0020	-0.0012
	Y	-0.0075	0.0054	-0.0014	-0.0074	0.0104	0.0109
	Z	0.0039	-0.0046	0.0035	0.0012	-0.0134	-0.0214
AT. 46	CA X	-0.0086	-0.0176	0.0096	-0.0046	0.0020	0.0012
	Y	0.0075	0.0054	0.0014	-0.0074	0.0104	-0.0109
	Z	0.0039	0.0046	0.0035	-0.0012	0.0134	-0.0214
AT. 47	CA X	-0.0086	-0.0176	0.0096	0.0046	0.0020	-0.0012
	Y	-0.0075	-0.0054	-0.0014	-0.0074	-0.0104	-0.0109
	Z	0.0039	0.0046	0.0035	0.0012	0.0134	0.0214
AT. 48	CA X	0.0086	-0.0176	-0.0096	0.0046	0.0020	0.0012
	Y	0.0075	-0.0054	0.0014	-0.0074	-0.0104	0.0109
	Z	0.0039	-0.0046	0.0035	-0.0012	-0.0134	0.0214
AT. 49	CA X	0.0121	-0.0133	-0.0329	0.0000	-0.0331	0.0000
	Y	0.0000	0.0000	0.0000	-0.0103	0.0000	0.0136
	Z	0.0257	-0.0190	-0.0279	0.0000	-0.0279	0.0000
AT. 50	CA X	-0.0121	-0.0133	0.0329	0.0000	-0.0331	0.0000
	Y	0.0000	0.0000	0.0000	-0.0103	0.0000	-0.0136
	Z	0.0257	0.0190	-0.0279	0.0000	0.0279	0.0000
AT. 51	CA X	0.0121	0.0133	0.0329	0.0000	-0.0331	0.0000
	Y	0.0000	0.0000	0.0000	0.0103	0.0000	0.0136
	Z	0.0257	0.0190	0.0279	0.0000	-0.0279	0.0000
AT. 52	CA X	-0.0121	0.0133	-0.0329	0.0000	-0.0331	0.0000
	Y	0.0000	0.0000	0.0000	0.0103	0.0000	-0.0136

		Z	0.0257	-0.0190	0.0279	0.0000	0.0279	0.0000
AT.	53 O	X	-0.0057	0.0072	-0.0117	-0.0119	0.0017	0.0040
		Y	0.0015	-0.0007	-0.0004	0.0040	0.0063	0.0030
		Z	-0.0083	0.0015	0.0023	0.0107	-0.0002	-0.0045
AT.	54 O	X	0.0057	0.0072	0.0117	-0.0119	0.0017	-0.0040
		Y	-0.0015	-0.0007	0.0004	0.0040	0.0063	-0.0030
		Z	-0.0083	-0.0015	0.0023	-0.0107	0.0002	-0.0045
AT.	55 O	X	0.0057	0.0072	0.0117	0.0119	0.0017	0.0040
		Y	0.0015	0.0007	-0.0004	0.0040	-0.0063	-0.0030
		Z	-0.0083	-0.0015	0.0023	0.0107	0.0002	0.0045
AT.	56 O	X	-0.0057	0.0072	-0.0117	0.0119	0.0017	-0.0040
		Y	-0.0015	0.0007	0.0004	0.0040	-0.0063	0.0030
		Z	-0.0083	0.0015	0.0023	-0.0107	-0.0002	0.0045
AT.	57 O	X	-0.0057	-0.0072	0.0117	0.0119	0.0017	0.0040
		Y	0.0015	0.0007	0.0004	-0.0040	0.0063	0.0030
		Z	-0.0083	-0.0015	-0.0023	-0.0107	-0.0002	-0.0045
AT.	58 O	X	0.0057	-0.0072	-0.0117	0.0119	0.0017	-0.0040
		Y	-0.0015	0.0007	-0.0004	-0.0040	0.0063	-0.0030
		Z	-0.0083	0.0015	-0.0023	0.0107	0.0002	-0.0045
AT.	59 O	X	0.0057	-0.0072	-0.0117	-0.0119	0.0017	0.0040
		Y	0.0015	-0.0007	0.0004	-0.0040	-0.0063	-0.0030
		Z	-0.0083	0.0015	-0.0023	-0.0107	0.0002	0.0045
AT.	60 O	X	-0.0057	-0.0072	0.0117	-0.0119	0.0017	-0.0040
		Y	-0.0015	-0.0007	-0.0004	-0.0040	-0.0063	0.0030
		Z	-0.0083	-0.0015	-0.0023	0.0107	-0.0002	0.0045
AT.	61 O	X	0.0116	0.0014	-0.0060	-0.0108	-0.0016	0.0008
		Y	-0.0015	0.0029	-0.0022	0.0079	0.0065	0.0081
		Z	-0.0044	0.0047	0.0021	0.0013	-0.0036	-0.0136
AT.	62 O	X	-0.0116	0.0014	0.0060	-0.0108	-0.0016	-0.0008
		Y	0.0015	0.0029	0.0022	0.0079	0.0065	-0.0081
		Z	-0.0044	-0.0047	0.0021	-0.0013	0.0036	-0.0136
AT.	63 O	X	-0.0116	0.0014	0.0060	0.0108	-0.0016	0.0008
		Y	-0.0015	-0.0029	-0.0022	0.0079	-0.0065	-0.0081
		Z	-0.0044	-0.0047	0.0021	0.0013	0.0036	0.0136
AT.	64 O	X	0.0116	0.0014	-0.0060	0.0108	-0.0016	-0.0008
		Y	0.0015	-0.0029	0.0022	0.0079	-0.0065	0.0081
		Z	-0.0044	0.0047	0.0021	-0.0013	-0.0036	0.0136
AT.	65 O	X	0.0116	-0.0014	0.0060	0.0108	-0.0016	0.0008
		Y	-0.0015	-0.0029	0.0022	-0.0079	0.0065	0.0081
		Z	-0.0044	-0.0047	-0.0021	-0.0013	-0.0036	-0.0136
AT.	66 O	X	-0.0116	-0.0014	-0.0060	0.0108	-0.0016	-0.0008
		Y	0.0015	-0.0029	-0.0022	-0.0079	0.0065	-0.0081
		Z	-0.0044	0.0047	-0.0021	0.0013	0.0036	-0.0136
AT.	67 O	X	-0.0116	-0.0014	-0.0060	-0.0108	-0.0016	0.0008
		Y	-0.0015	0.0029	0.0022	-0.0079	-0.0065	-0.0081
		Z	-0.0044	0.0047	-0.0021	-0.0013	0.0036	0.0136
AT.	68 O	X	0.0116	-0.0014	0.0060	-0.0108	-0.0016	-0.0008
		Y	0.0015	0.0029	-0.0022	-0.0079	-0.0065	0.0081
		Z	-0.0044	-0.0047	-0.0021	0.0013	-0.0036	0.0136
AT.	69 O	X	0.0023	-0.0087	-0.0029	-0.0007	0.0005	-0.0015
		Y	-0.0005	0.0024	-0.0025	-0.0054	0.0068	-0.0018
		Z	-0.0057	0.0049	-0.0011	-0.0034	-0.0004	-0.0119
AT.	70 O	X	-0.0023	-0.0087	0.0029	-0.0007	0.0005	0.0015
		Y	0.0005	0.0024	0.0025	-0.0054	0.0068	0.0018
		Z	-0.0057	-0.0049	-0.0011	0.0034	0.0004	-0.0119
AT.	71 O	X	-0.0023	-0.0087	0.0029	0.0007	0.0005	-0.0015
		Y	-0.0005	-0.0024	-0.0025	-0.0054	-0.0068	0.0018
		Z	-0.0057	-0.0049	-0.0011	-0.0034	0.0004	0.0119
AT.	72 O	X	0.0023	-0.0087	-0.0029	0.0007	0.0005	0.0015
		Y	0.0005	-0.0024	0.0025	-0.0054	-0.0068	-0.0018
		Z	-0.0057	0.0049	-0.0011	0.0034	-0.0004	0.0119

AT.	73	O	X	0.0023	0.0087	0.0029	0.0007	0.0005	-0.0015
			Y	-0.0005	-0.0024	0.0025	0.0054	0.0068	-0.0018
			Z	-0.0057	-0.0049	0.0011	0.0034	-0.0004	-0.0119
AT.	74	O	X	-0.0023	0.0087	-0.0029	0.0007	0.0005	0.0015
			Y	0.0005	-0.0024	-0.0025	0.0054	0.0068	0.0018
			Z	-0.0057	0.0049	0.0011	-0.0034	0.0004	-0.0119
AT.	75	O	X	-0.0023	0.0087	-0.0029	-0.0007	0.0005	-0.0015
			Y	-0.0005	0.0024	0.0025	0.0054	-0.0068	0.0018
			Z	-0.0057	0.0049	0.0011	0.0034	0.0004	0.0119
AT.	76	O	X	0.0023	0.0087	0.0029	-0.0007	0.0005	0.0015
			Y	0.0005	0.0024	-0.0025	0.0054	-0.0068	-0.0018
			Z	-0.0057	-0.0049	0.0011	-0.0034	-0.0004	0.0119
AT.	77	O	X	0.0042	-0.0009	-0.0084	-0.0089	0.0006	0.0010
			Y	-0.0079	0.0049	-0.0045	-0.0014	0.0094	0.0072
			Z	-0.0093	0.0026	0.0025	0.0070	0.0001	-0.0022
AT.	78	O	X	-0.0042	-0.0009	0.0084	-0.0089	0.0006	-0.0010
			Y	0.0079	0.0049	0.0045	-0.0014	0.0094	-0.0072
			Z	-0.0093	-0.0026	0.0025	-0.0070	-0.0001	-0.0022
AT.	79	O	X	-0.0042	-0.0009	0.0084	0.0089	0.0006	0.0010
			Y	-0.0079	-0.0049	-0.0045	-0.0014	-0.0094	-0.0072
			Z	-0.0093	-0.0026	0.0025	0.0070	-0.0001	0.0022
AT.	80	O	X	0.0042	-0.0009	-0.0084	0.0089	0.0006	-0.0010
			Y	0.0079	-0.0049	0.0045	-0.0014	-0.0094	0.0072
			Z	-0.0093	0.0026	0.0025	-0.0070	0.0001	0.0022
AT.	81	O	X	0.0042	0.0009	0.0084	0.0089	0.0006	0.0010
			Y	-0.0079	-0.0049	0.0045	0.0014	0.0094	0.0072
			Z	-0.0093	-0.0026	-0.0025	-0.0070	0.0001	-0.0022
AT.	82	O	X	-0.0042	0.0009	-0.0084	0.0089	0.0006	-0.0010
			Y	0.0079	-0.0049	-0.0045	0.0014	0.0094	-0.0072
			Z	-0.0093	0.0026	-0.0025	0.0070	-0.0001	-0.0022
AT.	83	O	X	-0.0042	0.0009	-0.0084	-0.0089	0.0006	0.0010
			Y	-0.0079	0.0049	0.0045	0.0014	-0.0094	-0.0072
			Z	-0.0093	0.0026	-0.0025	-0.0070	-0.0001	0.0022
AT.	84	O	X	0.0042	0.0009	0.0084	-0.0089	0.0006	-0.0010
			Y	0.0079	0.0049	-0.0045	0.0014	-0.0094	0.0072
			Z	-0.0093	-0.0026	-0.0025	0.0070	0.0001	0.0022
AT.	85	O	X	-0.0112	0.0018	-0.0008	0.0011	-0.0008	0.0078
			Y	-0.0154	-0.0022	0.0138	-0.0112	0.0073	-0.0026
			Z	0.0005	0.0064	0.0002	0.0077	0.0076	-0.0056
AT.	86	O	X	0.0112	0.0018	0.0008	0.0011	-0.0008	-0.0078
			Y	0.0154	-0.0022	-0.0138	-0.0112	0.0073	0.0026
			Z	0.0005	-0.0064	0.0002	-0.0077	-0.0076	-0.0056
AT.	87	O	X	0.0112	0.0018	0.0008	-0.0011	-0.0008	0.0078
			Y	-0.0154	0.0022	0.0138	-0.0112	-0.0073	0.0026
			Z	0.0005	-0.0064	0.0002	0.0077	-0.0076	0.0056
AT.	88	O	X	-0.0112	0.0018	-0.0008	-0.0011	-0.0008	-0.0078
			Y	0.0154	0.0022	-0.0138	-0.0112	-0.0073	-0.0026
			Z	0.0005	0.0064	0.0002	-0.0077	0.0076	0.0056
AT.	89	O	X	-0.0112	-0.0018	0.0008	-0.0011	-0.0008	0.0078
			Y	-0.0154	0.0022	-0.0138	0.0112	0.0073	-0.0026
			Z	0.0005	-0.0064	-0.0002	-0.0077	0.0076	-0.0056
AT.	90	O	X	0.0112	-0.0018	-0.0008	-0.0011	-0.0008	-0.0078
			Y	0.0154	0.0022	0.0138	0.0112	0.0073	0.0026
			Z	0.0005	0.0064	-0.0002	0.0077	-0.0076	-0.0056
AT.	91	O	X	0.0112	-0.0018	-0.0008	0.0011	-0.0008	0.0078
			Y	-0.0154	-0.0022	-0.0138	0.0112	-0.0073	0.0026
			Z	0.0005	0.0064	-0.0002	-0.0077	-0.0076	0.0056
AT.	92	O	X	-0.0112	-0.0018	0.0008	0.0011	-0.0008	-0.0078
			Y	0.0154	-0.0022	0.0138	0.0112	-0.0073	-0.0026
			Z	0.0005	-0.0064	-0.0002	0.0077	0.0076	0.0056
AT.	93	O	X	-0.0068	0.0067	0.0132	0.0044	0.0051	-0.0025

	Y	-0.0047	-0.0012	-0.0004	0.0013	0.0066	-0.0016
	Z	-0.0118	-0.0016	0.0238	-0.0072	0.0093	-0.0038
AT. 94 O	X	0.0068	0.0067	-0.0132	0.0044	0.0051	0.0025
	Y	0.0047	-0.0012	0.0004	0.0013	0.0066	0.0016
	Z	-0.0118	0.0016	0.0238	0.0072	-0.0093	-0.0038
AT. 95 O	X	0.0068	0.0067	-0.0132	-0.0044	0.0051	-0.0025
	Y	-0.0047	0.0012	-0.0004	0.0013	-0.0066	0.0016
	Z	-0.0118	0.0016	0.0238	-0.0072	-0.0093	0.0038
AT. 96 O	X	-0.0068	0.0067	0.0132	-0.0044	0.0051	0.0025
	Y	0.0047	0.0012	0.0004	0.0013	-0.0066	-0.0016
	Z	-0.0118	-0.0016	0.0238	0.0072	0.0093	0.0038
AT. 97 O	X	-0.0068	-0.0067	-0.0132	-0.0044	0.0051	-0.0025
	Y	-0.0047	0.0012	0.0004	-0.0013	0.0066	-0.0016
	Z	-0.0118	0.0016	-0.0238	0.0072	0.0093	-0.0038
AT. 98 O	X	0.0068	-0.0067	0.0132	-0.0044	0.0051	0.0025
	Y	0.0047	0.0012	-0.0004	-0.0013	0.0066	0.0016
	Z	-0.0118	-0.0016	-0.0238	-0.0072	-0.0093	-0.0038
AT. 99 O	X	0.0068	-0.0067	0.0132	0.0044	0.0051	-0.0025
	Y	-0.0047	-0.0012	0.0004	-0.0013	-0.0066	0.0016
	Z	-0.0118	-0.0016	-0.0238	0.0072	-0.0093	0.0038
AT. 100 O	X	-0.0068	-0.0067	-0.0132	0.0044	0.0051	0.0025
	Y	0.0047	-0.0012	-0.0004	-0.0013	-0.0066	-0.0016
	Z	-0.0118	0.0016	-0.0238	-0.0072	0.0093	0.0038
AT. 101 O	X	0.0012	-0.0052	0.0110	0.0121	0.0019	-0.0034
	Y	0.0055	0.0085	-0.0016	0.0102	0.0116	-0.0083
	Z	0.0060	0.0066	-0.0011	0.0117	0.0086	-0.0053
AT. 102 O	X	-0.0012	-0.0052	-0.0110	0.0121	0.0019	0.0034
	Y	-0.0055	0.0085	0.0016	0.0102	0.0116	0.0083
	Z	0.0060	-0.0066	-0.0011	-0.0117	-0.0086	-0.0053
AT. 103 O	X	-0.0012	-0.0052	-0.0110	-0.0121	0.0019	-0.0034
	Y	0.0055	-0.0085	-0.0016	0.0102	-0.0116	0.0083
	Z	0.0060	-0.0066	-0.0011	0.0117	-0.0086	0.0053
AT. 104 O	X	0.0012	-0.0052	0.0110	-0.0121	0.0019	0.0034
	Y	-0.0055	-0.0085	0.0016	0.0102	-0.0116	-0.0083
	Z	0.0060	0.0066	-0.0011	-0.0117	0.0086	0.0053
AT. 105 O	X	0.0012	0.0052	-0.0110	-0.0121	0.0019	-0.0034
	Y	0.0055	-0.0085	0.0016	-0.0102	0.0116	-0.0083
	Z	0.0060	-0.0066	0.0011	-0.0117	0.0086	-0.0053
AT. 106 O	X	-0.0012	0.0052	0.0110	-0.0121	0.0019	0.0034
	Y	-0.0055	-0.0085	-0.0016	-0.0102	0.0116	0.0083
	Z	0.0060	0.0066	0.0011	0.0117	-0.0086	-0.0053
AT. 107 O	X	-0.0012	0.0052	0.0110	0.0121	0.0019	-0.0034
	Y	0.0055	0.0085	0.0016	-0.0102	-0.0116	0.0083
	Z	0.0060	0.0066	0.0011	-0.0117	-0.0086	0.0053
AT. 108 O	X	0.0012	0.0052	-0.0110	0.0121	0.0019	0.0034
	Y	-0.0055	0.0085	-0.0016	-0.0102	-0.0116	-0.0083
	Z	0.0060	-0.0066	0.0011	0.0117	0.0086	0.0053
AT. 109 O	X	-0.0037	0.0000	0.0040	0.0075	-0.0011	0.0045
	Y	-0.0076	0.0049	0.0089	-0.0042	0.0105	-0.0074
	Z	0.0083	0.0063	0.0044	0.0081	0.0056	-0.0016
AT. 110 O	X	0.0037	0.0000	-0.0040	0.0075	-0.0011	-0.0045
	Y	0.0076	0.0049	-0.0089	-0.0042	0.0105	0.0074
	Z	0.0083	-0.0063	0.0044	-0.0081	-0.0056	-0.0016
AT. 111 O	X	0.0037	0.0000	-0.0040	-0.0075	-0.0011	0.0045
	Y	-0.0076	-0.0049	0.0089	-0.0042	-0.0105	0.0074
	Z	0.0083	-0.0063	0.0044	0.0081	-0.0056	0.0016
AT. 112 O	X	-0.0037	0.0000	0.0040	-0.0075	-0.0011	-0.0045
	Y	0.0076	-0.0049	-0.0089	-0.0042	-0.0105	-0.0074
	Z	0.0083	0.0063	0.0044	-0.0081	0.0056	0.0016
AT. 113 O	X	-0.0037	0.0000	-0.0040	-0.0075	-0.0011	0.0045
	Y	-0.0076	-0.0049	-0.0089	0.0042	0.0105	-0.0074

	Z	0.0083	-0.0063	-0.0044	-0.0081	0.0056	-0.0016
AT. 114 O	X	0.0037	0.0000	0.0040	-0.0075	-0.0011	-0.0045
	Y	0.0076	-0.0049	0.0089	0.0042	0.0105	0.0074
	Z	0.0083	0.0063	-0.0044	0.0081	-0.0056	-0.0016
AT. 115 O	X	0.0037	0.0000	0.0040	0.0075	-0.0011	0.0045
	Y	-0.0076	0.0049	-0.0089	0.0042	-0.0105	0.0074
	Z	0.0083	0.0063	-0.0044	-0.0081	-0.0056	0.0016
AT. 116 O	X	-0.0037	0.0000	-0.0040	0.0075	-0.0011	-0.0045
	Y	0.0076	0.0049	0.0089	0.0042	-0.0105	-0.0074
	Z	0.0083	-0.0063	-0.0044	0.0081	0.0056	0.0016
AT. 117 O	X	0.0077	0.0031	0.0151	0.0218	0.0180	-0.0162
	Y	-0.0020	0.0045	0.0028	0.0087	0.0022	-0.0116
	Z	-0.0039	-0.0170	-0.0017	-0.0175	-0.0024	0.0205
AT. 118 O	X	-0.0077	0.0031	-0.0151	0.0218	0.0180	0.0162
	Y	0.0020	0.0045	-0.0028	0.0087	0.0022	0.0116
	Z	-0.0039	0.0170	-0.0017	0.0175	0.0024	0.0205
AT. 119 O	X	-0.0077	0.0031	-0.0151	-0.0218	0.0180	-0.0162
	Y	-0.0020	-0.0045	0.0028	0.0087	-0.0022	0.0116
	Z	-0.0039	0.0170	-0.0017	-0.0175	0.0024	-0.0205
AT. 120 O	X	0.0077	0.0031	0.0151	-0.0218	0.0180	0.0162
	Y	0.0020	-0.0045	-0.0028	0.0087	-0.0022	-0.0116
	Z	-0.0039	-0.0170	-0.0017	0.0175	-0.0024	-0.0205
AT. 121 O	X	0.0077	-0.0031	-0.0151	-0.0218	0.0180	-0.0162
	Y	-0.0020	-0.0045	-0.0028	-0.0087	0.0022	-0.0116
	Z	-0.0039	0.0170	0.0017	0.0175	-0.0024	0.0205
AT. 122 O	X	-0.0077	-0.0031	0.0151	-0.0218	0.0180	0.0162
	Y	0.0020	-0.0045	0.0028	-0.0087	0.0022	0.0116
	Z	-0.0039	-0.0170	0.0017	-0.0175	0.0024	0.0205
AT. 123 O	X	-0.0077	-0.0031	0.0151	0.0218	0.0180	-0.0162
	Y	-0.0020	0.0045	-0.0028	-0.0087	-0.0022	0.0116
	Z	-0.0039	-0.0170	0.0017	0.0175	0.0024	-0.0205
AT. 124 O	X	0.0077	-0.0031	-0.0151	0.0218	0.0180	0.0162
	Y	0.0020	0.0045	0.0028	-0.0087	-0.0022	-0.0116
	Z	-0.0039	0.0170	0.0017	-0.0175	-0.0024	-0.0205

FREQ(CM**-1)		180.01	180.39	180.55	181.02	182.78	182.96
AT. 1 SI	X	-0.0055	-0.0042	0.0002	0.0061	-0.0023	-0.0011
	Y	-0.0033	-0.0078	0.0022	-0.0097	0.0012	-0.0077
	Z	0.0115	-0.0002	0.0029	-0.0053	0.0028	-0.0020
AT. 2 SI	X	-0.0055	-0.0042	0.0002	0.0061	0.0023	0.0011
	Y	-0.0033	-0.0078	0.0022	-0.0097	-0.0012	0.0077
	Z	-0.0115	0.0002	-0.0029	0.0053	0.0028	-0.0020
AT. 3 SI	X	-0.0055	0.0042	-0.0002	-0.0061	0.0023	-0.0011
	Y	0.0033	-0.0078	0.0022	-0.0097	0.0012	0.0077
	Z	-0.0115	-0.0002	0.0029	-0.0053	0.0028	0.0020
AT. 4 SI	X	-0.0055	0.0042	-0.0002	-0.0061	-0.0023	0.0011
	Y	0.0033	-0.0078	0.0022	-0.0097	-0.0012	-0.0077
	Z	0.0115	0.0002	-0.0029	0.0053	0.0028	0.0020
AT. 5 SI	X	0.0055	0.0042	0.0002	0.0061	-0.0023	-0.0011
	Y	0.0033	0.0078	0.0022	-0.0097	0.0012	-0.0077
	Z	-0.0115	0.0002	0.0029	-0.0053	0.0028	-0.0020
AT. 6 SI	X	0.0055	0.0042	0.0002	0.0061	0.0023	0.0011
	Y	0.0033	0.0078	0.0022	-0.0097	-0.0012	0.0077
	Z	0.0115	-0.0002	-0.0029	0.0053	0.0028	-0.0020
AT. 7 SI	X	0.0055	-0.0042	-0.0002	-0.0061	0.0023	-0.0011
	Y	-0.0033	0.0078	0.0022	-0.0097	0.0012	0.0077
	Z	0.0115	0.0002	0.0029	-0.0053	0.0028	0.0020
AT. 8 SI	X	0.0055	-0.0042	-0.0002	-0.0061	-0.0023	0.0011
	Y	-0.0033	0.0078	0.0022	-0.0097	-0.0012	-0.0077
	Z	-0.0115	-0.0002	-0.0029	0.0053	0.0028	0.0020

AT.	9	SI	X	-0.0008	-0.0004	-0.0091	0.0008	-0.0063	0.0014
			Y	-0.0157	0.0167	0.0014	0.0015	0.0042	0.0127
			Z	-0.0076	0.0079	0.0059	0.0159	-0.0018	0.0095
AT.	10	SI	X	-0.0008	-0.0004	-0.0091	0.0008	0.0063	-0.0014
			Y	-0.0157	0.0167	0.0014	0.0015	-0.0042	-0.0127
			Z	0.0076	-0.0079	-0.0059	-0.0159	-0.0018	0.0095
AT.	11	SI	X	-0.0008	0.0004	0.0091	-0.0008	0.0063	0.0014
			Y	0.0157	0.0167	0.0014	0.0015	0.0042	-0.0127
			Z	0.0076	0.0079	0.0059	0.0159	-0.0018	-0.0095
AT.	12	SI	X	-0.0008	0.0004	0.0091	-0.0008	-0.0063	-0.0014
			Y	0.0157	0.0167	0.0014	0.0015	-0.0042	0.0127
			Z	-0.0076	-0.0079	-0.0059	-0.0159	-0.0018	-0.0095
AT.	13	SI	X	0.0008	0.0004	-0.0091	0.0008	-0.0063	0.0014
			Y	0.0157	-0.0167	0.0014	0.0015	0.0042	0.0127
			Z	0.0076	-0.0079	0.0059	0.0159	-0.0018	0.0095
AT.	14	SI	X	0.0008	0.0004	-0.0091	0.0008	0.0063	-0.0014
			Y	0.0157	-0.0167	0.0014	0.0015	-0.0042	-0.0127
			Z	-0.0076	0.0079	-0.0059	-0.0159	-0.0018	0.0095
AT.	15	SI	X	0.0008	-0.0004	0.0091	-0.0008	0.0063	0.0014
			Y	-0.0157	-0.0167	0.0014	0.0015	0.0042	-0.0127
			Z	-0.0076	-0.0079	0.0059	0.0159	-0.0018	-0.0095
AT.	16	SI	X	0.0008	-0.0004	0.0091	-0.0008	-0.0063	-0.0014
			Y	-0.0157	-0.0167	0.0014	0.0015	-0.0042	0.0127
			Z	0.0076	0.0079	-0.0059	-0.0159	-0.0018	-0.0095
AT.	17	SI	X	0.0036	0.0000	0.0000	0.0000	-0.0081	0.0000
			Y	0.0000	0.0131	-0.0060	-0.0005	0.0000	0.0162
			Z	-0.0057	0.0000	0.0000	0.0000	-0.0122	0.0000
AT.	18	SI	X	0.0036	0.0000	0.0000	0.0000	0.0081	0.0000
			Y	0.0000	0.0131	-0.0060	-0.0005	0.0000	-0.0162
			Z	0.0057	0.0000	0.0000	0.0000	-0.0122	0.0000
AT.	19	SI	X	-0.0036	0.0000	0.0000	0.0000	-0.0081	0.0000
			Y	0.0000	-0.0131	-0.0060	-0.0005	0.0000	0.0162
			Z	0.0057	0.0000	0.0000	0.0000	-0.0122	0.0000
AT.	20	SI	X	-0.0036	0.0000	0.0000	0.0000	0.0081	0.0000
			Y	0.0000	-0.0131	-0.0060	-0.0005	0.0000	-0.0162
			Z	-0.0057	0.0000	0.0000	0.0000	-0.0122	0.0000
AT.	21	CA	X	-0.0011	0.0039	0.0221	-0.0136	0.0177	0.0049
			Y	0.0058	0.0038	-0.0026	0.0031	-0.0023	0.0138
			Z	-0.0084	0.0049	0.0099	-0.0009	0.0141	-0.0036
AT.	22	CA	X	-0.0011	0.0039	0.0221	-0.0136	-0.0177	-0.0049
			Y	0.0058	0.0038	-0.0026	0.0031	0.0023	-0.0138
			Z	0.0084	-0.0049	-0.0099	0.0009	0.0141	-0.0036
AT.	23	CA	X	-0.0011	-0.0039	-0.0221	0.0136	-0.0177	0.0049
			Y	-0.0058	0.0038	-0.0026	0.0031	-0.0023	-0.0138
			Z	0.0084	0.0049	0.0099	-0.0009	0.0141	0.0036
AT.	24	CA	X	-0.0011	-0.0039	-0.0221	0.0136	0.0177	-0.0049
			Y	-0.0058	0.0038	-0.0026	0.0031	0.0023	0.0138
			Z	-0.0084	-0.0049	-0.0099	0.0009	0.0141	0.0036
AT.	25	CA	X	0.0011	-0.0039	0.0221	-0.0136	0.0177	0.0049
			Y	-0.0058	-0.0038	-0.0026	0.0031	-0.0023	0.0138
			Z	0.0084	-0.0049	0.0099	-0.0009	0.0141	-0.0036
AT.	26	CA	X	0.0011	-0.0039	0.0221	-0.0136	-0.0177	-0.0049
			Y	-0.0058	-0.0038	-0.0026	0.0031	0.0023	-0.0138
			Z	-0.0084	0.0049	-0.0099	0.0009	0.0141	-0.0036
AT.	27	CA	X	0.0011	0.0039	-0.0221	0.0136	-0.0177	0.0049
			Y	0.0058	-0.0038	-0.0026	0.0031	-0.0023	-0.0138
			Z	-0.0084	-0.0049	0.0099	-0.0009	0.0141	0.0036
AT.	28	CA	X	0.0011	0.0039	-0.0221	0.0136	0.0177	-0.0049
			Y	0.0058	-0.0038	-0.0026	0.0031	0.0023	0.0138
			Z	0.0084	0.0049	-0.0099	0.0009	0.0141	0.0036
AT.	29	CA	X	0.0000	0.0000	0.0303	0.0056	0.0060	-0.0109

	Y	0.0000	0.0000	-0.0022	0.0196	0.0132	0.0146
	Z	0.0000	0.0000	-0.0151	-0.0232	-0.0037	-0.0055
AT. 30 CA	X	0.0000	0.0000	0.0303	0.0056	-0.0060	0.0109
	Y	0.0000	0.0000	-0.0022	0.0196	-0.0132	-0.0146
	Z	0.0000	0.0000	0.0151	0.0232	-0.0037	-0.0055
AT. 31 CA	X	0.0000	0.0000	-0.0303	-0.0056	-0.0060	-0.0109
	Y	0.0000	0.0000	-0.0022	0.0196	0.0132	-0.0146
	Z	0.0000	0.0000	-0.0151	-0.0232	-0.0037	0.0055
AT. 32 CA	X	0.0000	0.0000	-0.0303	-0.0056	0.0060	0.0109
	Y	0.0000	0.0000	-0.0022	0.0196	-0.0132	0.0146
	Z	0.0000	0.0000	0.0151	0.0232	-0.0037	0.0055
AT. 33 CA	X	0.0007	-0.0146	-0.0182	0.0005	0.0032	0.0098
	Y	0.0161	0.0055	-0.0003	-0.0011	-0.0152	-0.0045
	Z	0.0221	-0.0112	-0.0076	0.0039	-0.0002	0.0177
AT. 34 CA	X	0.0007	-0.0146	-0.0182	0.0005	-0.0032	-0.0098
	Y	0.0161	0.0055	-0.0003	-0.0011	0.0152	0.0045
	Z	-0.0221	0.0112	0.0076	-0.0039	-0.0002	0.0177
AT. 35 CA	X	0.0007	0.0146	0.0182	-0.0005	-0.0032	0.0098
	Y	-0.0161	0.0055	-0.0003	-0.0011	-0.0152	0.0045
	Z	-0.0221	-0.0112	-0.0076	0.0039	-0.0002	-0.0177
AT. 36 CA	X	0.0007	0.0146	0.0182	-0.0005	0.0032	-0.0098
	Y	-0.0161	0.0055	-0.0003	-0.0011	0.0152	-0.0045
	Z	0.0221	0.0112	0.0076	-0.0039	-0.0002	-0.0177
AT. 37 CA	X	-0.0007	0.0146	-0.0182	0.0005	0.0032	0.0098
	Y	-0.0161	-0.0055	-0.0003	-0.0011	-0.0152	-0.0045
	Z	-0.0221	0.0112	-0.0076	0.0039	-0.0002	0.0177
AT. 38 CA	X	-0.0007	0.0146	-0.0182	0.0005	-0.0032	-0.0098
	Y	-0.0161	-0.0055	-0.0003	-0.0011	0.0152	0.0045
	Z	0.0221	-0.0112	0.0076	-0.0039	-0.0002	0.0177
AT. 39 CA	X	-0.0007	-0.0146	0.0182	-0.0005	-0.0032	0.0098
	Y	0.0161	-0.0055	-0.0003	-0.0011	-0.0152	0.0045
	Z	0.0221	0.0112	-0.0076	0.0039	-0.0002	-0.0177
AT. 40 CA	X	-0.0007	-0.0146	0.0182	-0.0005	0.0032	-0.0098
	Y	0.0161	-0.0055	-0.0003	-0.0011	0.0152	-0.0045
	Z	-0.0221	-0.0112	0.0076	-0.0039	-0.0002	-0.0177
AT. 41 CA	X	0.0056	-0.0012	-0.0108	-0.0014	0.0100	-0.0074
	Y	-0.0105	-0.0157	0.0065	0.0013	-0.0016	0.0083
	Z	-0.0016	0.0105	0.0000	0.0029	-0.0110	-0.0032
AT. 42 CA	X	0.0056	-0.0012	-0.0108	-0.0014	-0.0100	0.0074
	Y	-0.0105	-0.0157	0.0065	0.0013	0.0016	-0.0083
	Z	0.0016	-0.0105	0.0000	-0.0029	-0.0110	-0.0032
AT. 43 CA	X	0.0056	0.0012	0.0108	0.0014	-0.0100	-0.0074
	Y	0.0105	-0.0157	0.0065	0.0013	-0.0016	-0.0083
	Z	0.0016	0.0105	0.0000	0.0029	-0.0110	0.0032
AT. 44 CA	X	0.0056	0.0012	0.0108	0.0014	0.0100	0.0074
	Y	0.0105	-0.0157	0.0065	0.0013	0.0016	0.0083
	Z	-0.0016	-0.0105	0.0000	-0.0029	-0.0110	0.0032
AT. 45 CA	X	-0.0056	0.0012	-0.0108	-0.0014	0.0100	-0.0074
	Y	0.0105	0.0157	0.0065	0.0013	-0.0016	0.0083
	Z	0.0016	-0.0105	0.0000	0.0029	-0.0110	-0.0032
AT. 46 CA	X	-0.0056	0.0012	-0.0108	-0.0014	-0.0100	0.0074
	Y	0.0105	0.0157	0.0065	0.0013	0.0016	-0.0083
	Z	-0.0016	0.0105	0.0000	-0.0029	-0.0110	-0.0032
AT. 47 CA	X	-0.0056	-0.0012	0.0108	0.0014	-0.0100	-0.0074
	Y	-0.0105	0.0157	0.0065	0.0013	-0.0016	-0.0083
	Z	-0.0016	-0.0105	0.0000	0.0029	-0.0110	0.0032
AT. 48 CA	X	-0.0056	-0.0012	0.0108	0.0014	0.0100	0.0074
	Y	-0.0105	0.0157	0.0065	0.0013	0.0016	0.0083
	Z	0.0016	0.0105	0.0000	-0.0029	-0.0110	0.0032
AT. 49 CA	X	0.0129	0.0000	0.0000	0.0000	0.0073	0.0000
	Y	0.0000	-0.0063	-0.0087	0.0009	0.0000	-0.0144

		Z	-0.0060	0.0000	0.0000	0.0000	0.0247	0.0000
AT.	50 CA	X	0.0129	0.0000	0.0000	0.0000	-0.0073	0.0000
		Y	0.0000	-0.0063	-0.0087	0.0009	0.0000	0.0144
		Z	0.0060	0.0000	0.0000	0.0000	0.0247	0.0000
AT.	51 CA	X	-0.0129	0.0000	0.0000	0.0000	0.0073	0.0000
		Y	0.0000	0.0063	-0.0087	0.0009	0.0000	-0.0144
		Z	0.0060	0.0000	0.0000	0.0000	0.0247	0.0000
AT.	52 CA	X	-0.0129	0.0000	0.0000	0.0000	-0.0073	0.0000
		Y	0.0000	0.0063	-0.0087	0.0009	0.0000	0.0144
		Z	-0.0060	0.0000	0.0000	0.0000	0.0247	0.0000
AT.	53 O	X	-0.0097	-0.0071	0.0059	-0.0060	0.0037	-0.0104
		Y	-0.0010	-0.0062	-0.0004	-0.0042	-0.0014	-0.0025
		Z	0.0112	-0.0022	0.0029	-0.0112	-0.0005	-0.0076
AT.	54 O	X	-0.0097	-0.0071	0.0059	-0.0060	-0.0037	0.0104
		Y	-0.0010	-0.0062	-0.0004	-0.0042	0.0014	0.0025
		Z	-0.0112	0.0022	-0.0029	0.0112	-0.0005	-0.0076
AT.	55 O	X	-0.0097	0.0071	-0.0059	0.0060	-0.0037	-0.0104
		Y	0.0010	-0.0062	-0.0004	-0.0042	-0.0014	0.0025
		Z	-0.0112	-0.0022	0.0029	-0.0112	-0.0005	0.0076
AT.	56 O	X	-0.0097	0.0071	-0.0059	0.0060	0.0037	0.0104
		Y	0.0010	-0.0062	-0.0004	-0.0042	0.0014	-0.0025
		Z	0.0112	0.0022	-0.0029	0.0112	-0.0005	0.0076
AT.	57 O	X	0.0097	0.0071	0.0059	-0.0060	0.0037	-0.0104
		Y	0.0010	0.0062	-0.0004	-0.0042	-0.0014	-0.0025
		Z	-0.0112	0.0022	0.0029	-0.0112	-0.0005	-0.0076
AT.	58 O	X	0.0097	0.0071	0.0059	-0.0060	-0.0037	0.0104
		Y	0.0010	0.0062	-0.0004	-0.0042	0.0014	0.0025
		Z	0.0112	-0.0022	-0.0029	0.0112	-0.0005	-0.0076
AT.	59 O	X	0.0097	-0.0071	-0.0059	0.0060	-0.0037	-0.0104
		Y	-0.0010	0.0062	-0.0004	-0.0042	-0.0014	0.0025
		Z	0.0112	0.0022	0.0029	-0.0112	-0.0005	0.0076
AT.	60 O	X	0.0097	-0.0071	-0.0059	0.0060	0.0037	0.0104
		Y	-0.0010	0.0062	-0.0004	-0.0042	0.0014	-0.0025
		Z	-0.0112	-0.0022	-0.0029	0.0112	-0.0005	0.0076
AT.	61 O	X	-0.0073	-0.0015	-0.0063	0.0129	-0.0081	-0.0002
		Y	-0.0001	-0.0099	0.0022	-0.0093	-0.0001	-0.0097
		Z	0.0079	0.0019	-0.0007	-0.0020	-0.0005	-0.0001
AT.	62 O	X	-0.0073	-0.0015	-0.0063	0.0129	0.0081	0.0002
		Y	-0.0001	-0.0099	0.0022	-0.0093	0.0001	0.0097
		Z	-0.0079	-0.0019	0.0007	0.0020	-0.0005	-0.0001
AT.	63 O	X	-0.0073	0.0015	0.0063	-0.0129	0.0081	-0.0002
		Y	0.0001	-0.0099	0.0022	-0.0093	-0.0001	0.0097
		Z	-0.0079	0.0019	-0.0007	-0.0020	-0.0005	0.0001
AT.	64 O	X	-0.0073	0.0015	0.0063	-0.0129	-0.0081	0.0002
		Y	0.0001	-0.0099	0.0022	-0.0093	0.0001	-0.0097
		Z	0.0079	-0.0019	0.0007	0.0020	-0.0005	0.0001
AT.	65 O	X	0.0073	0.0015	-0.0063	0.0129	-0.0081	-0.0002
		Y	0.0001	0.0099	0.0022	-0.0093	-0.0001	-0.0097
		Z	-0.0079	-0.0019	-0.0007	-0.0020	-0.0005	-0.0001
AT.	66 O	X	0.0073	0.0015	-0.0063	0.0129	0.0081	0.0002
		Y	0.0001	0.0099	0.0022	-0.0093	0.0001	0.0097
		Z	0.0079	0.0019	0.0007	0.0020	-0.0005	-0.0001
AT.	67 O	X	0.0073	-0.0015	0.0063	-0.0129	0.0081	-0.0002
		Y	-0.0001	0.0099	0.0022	-0.0093	-0.0001	0.0097
		Z	0.0079	-0.0019	-0.0007	-0.0020	-0.0005	0.0001
AT.	68 O	X	0.0073	-0.0015	0.0063	-0.0129	-0.0081	0.0002
		Y	-0.0001	0.0099	0.0022	-0.0093	0.0001	-0.0097
		Z	-0.0079	0.0019	0.0007	0.0020	-0.0005	0.0001
AT.	69 O	X	-0.0009	-0.0021	0.0042	0.0052	0.0005	0.0054
		Y	-0.0027	-0.0034	0.0017	-0.0019	0.0019	0.0035
		Z	0.0085	0.0010	0.0003	-0.0020	0.0016	-0.0002

AT.	70	O	X	-0.0009	-0.0021	0.0042	0.0052	-0.0005	-0.0054
			Y	-0.0027	-0.0034	0.0017	-0.0019	-0.0019	-0.0035
			Z	-0.0085	-0.0010	-0.0003	0.0020	0.0016	-0.0002
AT.	71	O	X	-0.0009	0.0021	-0.0042	-0.0052	-0.0005	0.0054
			Y	0.0027	-0.0034	0.0017	-0.0019	0.0019	-0.0035
			Z	-0.0085	0.0010	0.0003	-0.0020	0.0016	0.0002
AT.	72	O	X	-0.0009	0.0021	-0.0042	-0.0052	0.0005	-0.0054
			Y	0.0027	-0.0034	0.0017	-0.0019	-0.0019	0.0035
			Z	0.0085	-0.0010	-0.0003	0.0020	0.0016	0.0002
AT.	73	O	X	0.0009	0.0021	0.0042	0.0052	0.0005	0.0054
			Y	0.0027	0.0034	0.0017	-0.0019	0.0019	0.0035
			Z	-0.0085	-0.0010	0.0003	-0.0020	0.0016	-0.0002
AT.	74	O	X	0.0009	0.0021	0.0042	0.0052	-0.0005	-0.0054
			Y	0.0027	0.0034	0.0017	-0.0019	-0.0019	-0.0035
			Z	0.0085	0.0010	-0.0003	0.0020	0.0016	-0.0002
AT.	75	O	X	0.0009	-0.0021	-0.0042	-0.0052	-0.0005	0.0054
			Y	-0.0027	0.0034	0.0017	-0.0019	0.0019	-0.0035
			Z	0.0085	-0.0010	0.0003	-0.0020	0.0016	0.0002
AT.	76	O	X	0.0009	-0.0021	-0.0042	-0.0052	0.0005	-0.0054
			Y	-0.0027	0.0034	0.0017	-0.0019	-0.0019	0.0035
			Z	-0.0085	0.0010	-0.0003	0.0020	0.0016	0.0002
AT.	77	O	X	-0.0056	-0.0045	0.0009	0.0060	-0.0021	-0.0015
			Y	-0.0038	-0.0106	0.0037	-0.0129	0.0048	-0.0129
			Z	0.0106	-0.0037	-0.0013	-0.0091	0.0025	0.0013
AT.	78	O	X	-0.0056	-0.0045	0.0009	0.0060	0.0021	0.0015
			Y	-0.0038	-0.0106	0.0037	-0.0129	-0.0048	0.0129
			Z	-0.0106	0.0037	0.0013	0.0091	0.0025	0.0013
AT.	79	O	X	-0.0056	0.0045	-0.0009	-0.0060	0.0021	-0.0015
			Y	0.0038	-0.0106	0.0037	-0.0129	0.0048	0.0129
			Z	-0.0106	-0.0037	-0.0013	-0.0091	0.0025	-0.0013
AT.	80	O	X	-0.0056	0.0045	-0.0009	-0.0060	-0.0021	0.0015
			Y	0.0038	-0.0106	0.0037	-0.0129	-0.0048	-0.0129
			Z	0.0106	0.0037	0.0013	0.0091	0.0025	-0.0013
AT.	81	O	X	0.0056	0.0045	0.0009	0.0060	-0.0021	-0.0015
			Y	0.0038	0.0106	0.0037	-0.0129	0.0048	-0.0129
			Z	-0.0106	0.0037	-0.0013	-0.0091	0.0025	0.0013
AT.	82	O	X	0.0056	0.0045	0.0009	0.0060	0.0021	0.0015
			Y	0.0038	0.0106	0.0037	-0.0129	-0.0048	0.0129
			Z	0.0106	-0.0037	0.0013	0.0091	0.0025	0.0013
AT.	83	O	X	0.0056	-0.0045	-0.0009	-0.0060	0.0021	-0.0015
			Y	-0.0038	0.0106	0.0037	-0.0129	0.0048	0.0129
			Z	0.0106	0.0037	-0.0013	-0.0091	0.0025	-0.0013
AT.	84	O	X	0.0056	-0.0045	-0.0009	-0.0060	-0.0021	0.0015
			Y	-0.0038	0.0106	0.0037	-0.0129	-0.0048	-0.0129
			Z	-0.0106	-0.0037	0.0013	0.0091	0.0025	-0.0013
AT.	85	O	X	-0.0001	-0.0037	-0.0054	-0.0082	-0.0015	-0.0019
			Y	-0.0088	0.0158	0.0009	0.0013	-0.0044	0.0090
			Z	-0.0087	0.0058	0.0069	0.0108	0.0042	0.0099
AT.	86	O	X	-0.0001	-0.0037	-0.0054	-0.0082	0.0015	0.0019
			Y	-0.0088	0.0158	0.0009	0.0013	0.0044	-0.0090
			Z	0.0087	-0.0058	-0.0069	-0.0108	0.0042	0.0099
AT.	87	O	X	-0.0001	0.0037	0.0054	0.0082	0.0015	-0.0019
			Y	0.0088	0.0158	0.0009	0.0013	-0.0044	-0.0090
			Z	0.0087	0.0058	0.0069	0.0108	0.0042	-0.0099
AT.	88	O	X	-0.0001	0.0037	0.0054	0.0082	-0.0015	0.0019
			Y	0.0088	0.0158	0.0009	0.0013	0.0044	0.0090
			Z	-0.0087	-0.0058	-0.0069	-0.0108	0.0042	-0.0099
AT.	89	O	X	0.0001	0.0037	-0.0054	-0.0082	-0.0015	-0.0019
			Y	0.0088	-0.0158	0.0009	0.0013	-0.0044	0.0090
			Z	0.0087	-0.0058	0.0069	0.0108	0.0042	0.0099
AT.	90	O	X	0.0001	0.0037	-0.0054	-0.0082	0.0015	0.0019

	Y	0.0088	-0.0158	0.0009	0.0013	0.0044	-0.0090
	Z	-0.0087	0.0058	-0.0069	-0.0108	0.0042	0.0099
AT. 91 O	X	0.0001	-0.0037	0.0054	0.0082	0.0015	-0.0019
	Y	-0.0088	-0.0158	0.0009	0.0013	-0.0044	-0.0090
	Z	-0.0087	-0.0058	0.0069	0.0108	0.0042	-0.0099
AT. 92 O	X	0.0001	-0.0037	0.0054	0.0082	-0.0015	0.0019
	Y	-0.0088	-0.0158	0.0009	0.0013	0.0044	0.0090
	Z	0.0087	0.0058	-0.0069	-0.0108	0.0042	-0.0099
AT. 93 O	X	-0.0078	0.0106	-0.0130	0.0011	-0.0095	0.0003
	Y	-0.0129	0.0099	0.0031	0.0013	0.0055	0.0123
	Z	0.0026	0.0082	0.0003	0.0155	-0.0196	0.0039
AT. 94 O	X	-0.0078	0.0106	-0.0130	0.0011	0.0095	-0.0003
	Y	-0.0129	0.0099	0.0031	0.0013	-0.0055	-0.0123
	Z	-0.0026	-0.0082	-0.0003	-0.0155	-0.0196	0.0039
AT. 95 O	X	-0.0078	-0.0106	0.0130	-0.0011	0.0095	0.0003
	Y	0.0129	0.0099	0.0031	0.0013	0.0055	-0.0123
	Z	-0.0026	0.0082	0.0003	0.0155	-0.0196	-0.0039
AT. 96 O	X	-0.0078	-0.0106	0.0130	-0.0011	-0.0095	-0.0003
	Y	0.0129	0.0099	0.0031	0.0013	-0.0055	0.0123
	Z	0.0026	-0.0082	-0.0003	-0.0155	-0.0196	-0.0039
AT. 97 O	X	0.0078	-0.0106	-0.0130	0.0011	-0.0095	0.0003
	Y	0.0129	-0.0099	0.0031	0.0013	0.0055	0.0123
	Z	-0.0026	-0.0082	0.0003	0.0155	-0.0196	0.0039
AT. 98 O	X	0.0078	-0.0106	-0.0130	0.0011	0.0095	-0.0003
	Y	0.0129	-0.0099	0.0031	0.0013	-0.0055	-0.0123
	Z	0.0026	0.0082	-0.0003	-0.0155	-0.0196	0.0039
AT. 99 O	X	0.0078	0.0106	0.0130	-0.0011	0.0095	0.0003
	Y	-0.0129	-0.0099	0.0031	0.0013	0.0055	-0.0123
	Z	0.0026	-0.0082	0.0003	0.0155	-0.0196	-0.0039
AT. 100 O	X	0.0078	0.0106	0.0130	-0.0011	-0.0095	-0.0003
	Y	-0.0129	-0.0099	0.0031	0.0013	-0.0055	0.0123
	Z	-0.0026	0.0082	-0.0003	-0.0155	-0.0196	-0.0039
AT. 101 O	X	0.0087	0.0039	-0.0029	0.0093	-0.0098	0.0073
	Y	-0.0137	0.0138	-0.0004	0.0012	0.0143	0.0133
	Z	-0.0119	0.0062	0.0023	0.0125	0.0043	0.0075
AT. 102 O	X	0.0087	0.0039	-0.0029	0.0093	0.0098	-0.0073
	Y	-0.0137	0.0138	-0.0004	0.0012	-0.0143	-0.0133
	Z	0.0119	-0.0062	-0.0023	-0.0125	0.0043	0.0075
AT. 103 O	X	0.0087	-0.0039	0.0029	-0.0093	0.0098	0.0073
	Y	0.0137	0.0138	-0.0004	0.0012	0.0143	-0.0133
	Z	0.0119	0.0062	0.0023	0.0125	0.0043	-0.0075
AT. 104 O	X	0.0087	-0.0039	0.0029	-0.0093	-0.0098	-0.0073
	Y	0.0137	0.0138	-0.0004	0.0012	-0.0143	0.0133
	Z	-0.0119	-0.0062	-0.0023	-0.0125	0.0043	-0.0075
AT. 105 O	X	-0.0087	-0.0039	-0.0029	0.0093	-0.0098	0.0073
	Y	0.0137	-0.0138	-0.0004	0.0012	0.0143	0.0133
	Z	0.0119	-0.0062	0.0023	0.0125	0.0043	0.0075
AT. 106 O	X	-0.0087	-0.0039	-0.0029	0.0093	0.0098	-0.0073
	Y	0.0137	-0.0138	-0.0004	0.0012	-0.0143	-0.0133
	Z	-0.0119	0.0062	-0.0023	-0.0125	0.0043	0.0075
AT. 107 O	X	-0.0087	0.0039	0.0029	-0.0093	0.0098	0.0073
	Y	-0.0137	-0.0138	-0.0004	0.0012	0.0143	-0.0133
	Z	-0.0119	-0.0062	0.0023	0.0125	0.0043	-0.0075
AT. 108 O	X	-0.0087	0.0039	0.0029	-0.0093	-0.0098	-0.0073
	Y	-0.0137	-0.0138	-0.0004	0.0012	-0.0143	0.0133
	Z	0.0119	0.0062	-0.0023	-0.0125	0.0043	-0.0075
AT. 109 O	X	-0.0004	0.0001	-0.0095	0.0003	-0.0055	0.0022
	Y	-0.0143	0.0193	-0.0007	0.0033	-0.0060	0.0032
	Z	0.0015	0.0036	0.0038	0.0157	-0.0011	0.0185
AT. 110 O	X	-0.0004	0.0001	-0.0095	0.0003	0.0055	-0.0022
	Y	-0.0143	0.0193	-0.0007	0.0033	0.0060	-0.0032

	Z	-0.0015	-0.0036	-0.0038	-0.0157	-0.0011	0.0185
AT. 111 O	X	-0.0004	-0.0001	0.0095	-0.0003	0.0055	0.0022
	Y	0.0143	0.0193	-0.0007	0.0033	-0.0060	-0.0032
	Z	-0.0015	0.0036	0.0038	0.0157	-0.0011	-0.0185
AT. 112 O	X	-0.0004	-0.0001	0.0095	-0.0003	-0.0055	-0.0022
	Y	0.0143	0.0193	-0.0007	0.0033	0.0060	0.0032
	Z	0.0015	-0.0036	-0.0038	-0.0157	-0.0011	-0.0185
AT. 113 O	X	0.0004	-0.0001	-0.0095	0.0003	-0.0055	0.0022
	Y	0.0143	-0.0193	-0.0007	0.0033	-0.0060	0.0032
	Z	-0.0015	-0.0036	0.0038	0.0157	-0.0011	0.0185
AT. 114 O	X	0.0004	-0.0001	-0.0095	0.0003	0.0055	-0.0022
	Y	0.0143	-0.0193	-0.0007	0.0033	0.0060	-0.0032
	Z	0.0015	0.0036	-0.0038	-0.0157	-0.0011	0.0185
AT. 115 O	X	0.0004	0.0001	0.0095	-0.0003	0.0055	0.0022
	Y	-0.0143	-0.0193	-0.0007	0.0033	-0.0060	-0.0032
	Z	0.0015	-0.0036	0.0038	0.0157	-0.0011	-0.0185
AT. 116 O	X	0.0004	0.0001	0.0095	-0.0003	-0.0055	-0.0022
	Y	-0.0143	-0.0193	-0.0007	0.0033	0.0060	0.0032
	Z	-0.0015	0.0036	-0.0038	-0.0157	-0.0011	-0.0185
AT. 117 O	X	0.0033	0.0164	0.0044	0.0222	-0.0009	0.0065
	Y	-0.0026	0.0136	-0.0061	0.0019	-0.0029	0.0123
	Z	-0.0047	-0.0179	-0.0032	-0.0231	-0.0144	-0.0031
AT. 118 O	X	0.0033	0.0164	0.0044	0.0222	0.0009	-0.0065
	Y	-0.0026	0.0136	-0.0061	0.0019	0.0029	-0.0123
	Z	0.0047	0.0179	0.0032	0.0231	-0.0144	-0.0031
AT. 119 O	X	0.0033	-0.0164	-0.0044	-0.0222	0.0009	0.0065
	Y	0.0026	0.0136	-0.0061	0.0019	-0.0029	-0.0123
	Z	0.0047	-0.0179	-0.0032	-0.0231	-0.0144	0.0031
AT. 120 O	X	0.0033	-0.0164	-0.0044	-0.0222	-0.0009	-0.0065
	Y	0.0026	0.0136	-0.0061	0.0019	0.0029	0.0123
	Z	-0.0047	0.0179	0.0032	0.0231	-0.0144	0.0031
AT. 121 O	X	-0.0033	-0.0164	0.0044	0.0222	-0.0009	0.0065
	Y	0.0026	-0.0136	-0.0061	0.0019	-0.0029	0.0123
	Z	0.0047	0.0179	-0.0032	-0.0231	-0.0144	-0.0031
AT. 122 O	X	-0.0033	-0.0164	0.0044	0.0222	0.0009	-0.0065
	Y	0.0026	-0.0136	-0.0061	0.0019	0.0029	-0.0123
	Z	-0.0047	-0.0179	0.0032	0.0231	-0.0144	-0.0031
AT. 123 O	X	-0.0033	0.0164	-0.0044	-0.0222	0.0009	0.0065
	Y	-0.0026	-0.0136	-0.0061	0.0019	-0.0029	-0.0123
	Z	-0.0047	0.0179	-0.0032	-0.0231	-0.0144	0.0031
AT. 124 O	X	-0.0033	0.0164	-0.0044	-0.0222	-0.0009	-0.0065
	Y	-0.0026	-0.0136	-0.0061	0.0019	0.0029	0.0123
	Z	0.0047	-0.0179	0.0032	0.0231	-0.0144	0.0031

FREQ(CM**-1)	185.09	185.18	190.74	191.26	191.79	192.41
AT. 1 SI X	0.0022	0.0022	-0.0065	0.0013	-0.0007	-0.0038
Y	-0.0042	-0.0100	0.0015	-0.0064	-0.0092	-0.0017
Z	0.0080	0.0014	-0.0091	0.0050	0.0095	-0.0079
AT. 2 SI X	-0.0022	-0.0022	0.0065	-0.0013	-0.0007	-0.0038
Y	0.0042	0.0100	-0.0015	0.0064	-0.0092	-0.0017
Z	0.0080	0.0014	-0.0091	0.0050	-0.0095	0.0079
AT. 3 SI X	-0.0022	-0.0022	0.0065	0.0013	-0.0007	0.0038
Y	-0.0042	-0.0100	0.0015	0.0064	0.0092	-0.0017
Z	0.0080	0.0014	-0.0091	-0.0050	-0.0095	-0.0079
AT. 4 SI X	0.0022	0.0022	-0.0065	-0.0013	-0.0007	0.0038
Y	0.0042	0.0100	-0.0015	-0.0064	0.0092	-0.0017
Z	0.0080	0.0014	-0.0091	-0.0050	0.0095	0.0079
AT. 5 SI X	-0.0022	0.0022	-0.0065	-0.0013	0.0007	-0.0038
Y	0.0042	-0.0100	0.0015	0.0064	0.0092	-0.0017
Z	-0.0080	0.0014	-0.0091	-0.0050	-0.0095	-0.0079

AT. 6	SI	X	0.0022	-0.0022	0.0065	0.0013	0.0007	-0.0038
		Y	-0.0042	0.0100	-0.0015	-0.0064	0.0092	-0.0017
		Z	-0.0080	0.0014	-0.0091	-0.0050	0.0095	0.0079
AT. 7	SI	X	0.0022	-0.0022	0.0065	-0.0013	0.0007	0.0038
		Y	0.0042	-0.0100	0.0015	-0.0064	-0.0092	-0.0017
		Z	-0.0080	0.0014	-0.0091	0.0050	0.0095	-0.0079
AT. 8	SI	X	-0.0022	0.0022	-0.0065	0.0013	0.0007	0.0038
		Y	-0.0042	0.0100	-0.0015	0.0064	-0.0092	-0.0017
		Z	-0.0080	0.0014	-0.0091	0.0050	-0.0095	0.0079
AT. 9	SI	X	-0.0033	0.0079	0.0037	-0.0030	0.0044	0.0049
		Y	-0.0014	0.0160	-0.0001	-0.0026	0.0094	0.0116
		Z	-0.0105	-0.0001	0.0101	-0.0123	-0.0012	0.0087
AT. 10	SI	X	0.0033	-0.0079	-0.0037	0.0030	0.0044	0.0049
		Y	0.0014	-0.0160	0.0001	0.0026	0.0094	0.0116
		Z	-0.0105	-0.0001	0.0101	-0.0123	0.0012	-0.0087
AT. 11	SI	X	0.0033	-0.0079	-0.0037	-0.0030	0.0044	-0.0049
		Y	-0.0014	0.0160	-0.0001	0.0026	-0.0094	0.0116
		Z	-0.0105	-0.0001	0.0101	0.0123	0.0012	0.0087
AT. 12	SI	X	-0.0033	0.0079	0.0037	0.0030	0.0044	-0.0049
		Y	0.0014	-0.0160	0.0001	-0.0026	-0.0094	0.0116
		Z	-0.0105	-0.0001	0.0101	0.0123	-0.0012	-0.0087
AT. 13	SI	X	0.0033	0.0079	0.0037	0.0030	-0.0044	0.0049
		Y	0.0014	0.0160	-0.0001	0.0026	-0.0094	0.0116
		Z	0.0105	-0.0001	0.0101	0.0123	0.0012	0.0087
AT. 14	SI	X	-0.0033	-0.0079	-0.0037	-0.0030	-0.0044	0.0049
		Y	-0.0014	-0.0160	0.0001	-0.0026	-0.0094	0.0116
		Z	0.0105	-0.0001	0.0101	0.0123	-0.0012	-0.0087
AT. 15	SI	X	-0.0033	-0.0079	-0.0037	0.0030	-0.0044	-0.0049
		Y	0.0014	0.0160	-0.0001	-0.0026	0.0094	0.0116
		Z	0.0105	-0.0001	0.0101	-0.0123	-0.0012	0.0087
AT. 16	SI	X	0.0033	0.0079	0.0037	-0.0030	-0.0044	-0.0049
		Y	-0.0014	-0.0160	0.0001	0.0026	0.0094	0.0116
		Z	0.0105	-0.0001	0.0101	-0.0123	0.0012	-0.0087
AT. 17	SI	X	0.0092	-0.0002	-0.0020	0.0000	0.0029	0.0000
		Y	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0147
		Z	-0.0116	-0.0114	0.0044	0.0000	-0.0016	0.0000
AT. 18	SI	X	-0.0092	0.0002	0.0020	0.0000	0.0029	0.0000
		Y	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0147
		Z	-0.0116	-0.0114	0.0044	0.0000	0.0016	0.0000
AT. 19	SI	X	-0.0092	-0.0002	-0.0020	0.0000	-0.0029	0.0000
		Y	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0147
		Z	0.0116	-0.0114	0.0044	0.0000	0.0016	0.0000
AT. 20	SI	X	0.0092	0.0002	0.0020	0.0000	-0.0029	0.0000
		Y	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0147
		Z	0.0116	-0.0114	0.0044	0.0000	-0.0016	0.0000
AT. 21	CA	X	0.0030	-0.0151	0.0147	0.0155	0.0002	0.0071
		Y	0.0082	-0.0004	0.0004	-0.0134	-0.0089	-0.0008
		Z	0.0004	0.0119	-0.0049	-0.0179	-0.0087	-0.0009
AT. 22	CA	X	-0.0030	0.0151	-0.0147	-0.0155	0.0002	0.0071
		Y	-0.0082	0.0004	-0.0004	0.0134	-0.0089	-0.0008
		Z	0.0004	0.0119	-0.0049	-0.0179	0.0087	0.0009
AT. 23	CA	X	-0.0030	0.0151	-0.0147	0.0155	0.0002	-0.0071
		Y	0.0082	-0.0004	0.0004	0.0134	0.0089	-0.0008
		Z	0.0004	0.0119	-0.0049	0.0179	0.0087	-0.0009
AT. 24	CA	X	0.0030	-0.0151	0.0147	-0.0155	0.0002	-0.0071
		Y	-0.0082	0.0004	-0.0004	-0.0134	0.0089	-0.0008
		Z	0.0004	0.0119	-0.0049	0.0179	-0.0087	0.0009
AT. 25	CA	X	-0.0030	-0.0151	0.0147	-0.0155	-0.0002	0.0071
		Y	-0.0082	-0.0004	0.0004	0.0134	0.0089	-0.0008
		Z	-0.0004	0.0119	-0.0049	0.0179	0.0087	-0.0009
AT. 26	CA	X	0.0030	0.0151	-0.0147	0.0155	-0.0002	0.0071

	Y	0.0082	0.0004	-0.0004	-0.0134	0.0089	-0.0008
	Z	-0.0004	0.0119	-0.0049	0.0179	-0.0087	0.0009
AT. 27 CA	X	0.0030	0.0151	-0.0147	-0.0155	-0.0002	-0.0071
	Y	-0.0082	-0.0004	0.0004	-0.0134	-0.0089	-0.0008
	Z	-0.0004	0.0119	-0.0049	-0.0179	-0.0087	-0.0009
AT. 28 CA	X	-0.0030	-0.0151	0.0147	0.0155	-0.0002	-0.0071
	Y	0.0082	0.0004	-0.0004	0.0134	-0.0089	-0.0008
	Z	-0.0004	0.0119	-0.0049	-0.0179	0.0087	0.0009
AT. 29 CA	X	0.0000	-0.0111	-0.0141	0.0000	0.0000	-0.0035
	Y	0.0000	0.0133	-0.0009	0.0000	0.0000	-0.0125
	Z	0.0000	-0.0076	-0.0021	0.0000	0.0000	-0.0087
AT. 30 CA	X	0.0000	0.0111	0.0141	0.0000	0.0000	-0.0035
	Y	0.0000	-0.0133	0.0009	0.0000	0.0000	-0.0125
	Z	0.0000	-0.0076	-0.0021	0.0000	0.0000	0.0087
AT. 31 CA	X	0.0000	0.0111	0.0141	0.0000	0.0000	0.0035
	Y	0.0000	0.0133	-0.0009	0.0000	0.0000	-0.0125
	Z	0.0000	-0.0076	-0.0021	0.0000	0.0000	-0.0087
AT. 32 CA	X	0.0000	-0.0111	-0.0141	0.0000	0.0000	0.0035
	Y	0.0000	-0.0133	0.0009	0.0000	0.0000	-0.0125
	Z	0.0000	-0.0076	-0.0021	0.0000	0.0000	0.0087
AT. 33 CA	X	0.0067	0.0078	0.0178	0.0130	-0.0057	0.0041
	Y	-0.0007	-0.0102	0.0003	0.0164	0.0003	0.0049
	Z	0.0135	-0.0053	0.0075	0.0124	-0.0002	-0.0008
AT. 34 CA	X	-0.0067	-0.0078	-0.0178	-0.0130	-0.0057	0.0041
	Y	0.0007	0.0102	-0.0003	-0.0164	0.0003	0.0049
	Z	0.0135	-0.0053	0.0075	0.0124	0.0002	0.0008
AT. 35 CA	X	-0.0067	-0.0078	-0.0178	0.0130	-0.0057	-0.0041
	Y	-0.0007	-0.0102	0.0003	-0.0164	-0.0003	0.0049
	Z	0.0135	-0.0053	0.0075	-0.0124	0.0002	-0.0008
AT. 36 CA	X	0.0067	0.0078	0.0178	-0.0130	-0.0057	-0.0041
	Y	0.0007	0.0102	-0.0003	0.0164	-0.0003	0.0049
	Z	0.0135	-0.0053	0.0075	-0.0124	-0.0002	0.0008
AT. 37 CA	X	-0.0067	0.0078	0.0178	-0.0130	0.0057	0.0041
	Y	0.0007	-0.0102	0.0003	-0.0164	-0.0003	0.0049
	Z	-0.0135	-0.0053	0.0075	-0.0124	0.0002	-0.0008
AT. 38 CA	X	0.0067	-0.0078	-0.0178	0.0130	0.0057	0.0041
	Y	-0.0007	0.0102	-0.0003	0.0164	-0.0003	0.0049
	Z	-0.0135	-0.0053	0.0075	-0.0124	-0.0002	0.0008
AT. 39 CA	X	0.0067	-0.0078	-0.0178	-0.0130	0.0057	-0.0041
	Y	0.0007	-0.0102	0.0003	0.0164	0.0003	0.0049
	Z	-0.0135	-0.0053	0.0075	0.0124	-0.0002	-0.0008
AT. 40 CA	X	-0.0067	0.0078	0.0178	0.0130	0.0057	-0.0041
	Y	-0.0007	0.0102	-0.0003	-0.0164	0.0003	0.0049
	Z	-0.0135	-0.0053	0.0075	0.0124	0.0002	0.0008
AT. 41 CA	X	-0.0064	0.0047	0.0120	0.0089	-0.0037	0.0056
	Y	0.0247	0.0078	-0.0087	0.0057	0.0108	0.0040
	Z	-0.0047	0.0027	0.0013	0.0001	0.0126	0.0109
AT. 42 CA	X	0.0064	-0.0047	-0.0120	-0.0089	-0.0037	0.0056
	Y	-0.0247	-0.0078	0.0087	-0.0057	0.0108	0.0040
	Z	-0.0047	0.0027	0.0013	0.0001	-0.0126	-0.0109
AT. 43 CA	X	0.0064	-0.0047	-0.0120	0.0089	-0.0037	-0.0056
	Y	0.0247	0.0078	-0.0087	-0.0057	-0.0108	0.0040
	Z	-0.0047	0.0027	0.0013	-0.0001	-0.0126	0.0109
AT. 44 CA	X	-0.0064	0.0047	0.0120	-0.0089	-0.0037	-0.0056
	Y	-0.0247	-0.0078	0.0087	0.0057	-0.0108	0.0040
	Z	-0.0047	0.0027	0.0013	-0.0001	0.0126	-0.0109
AT. 45 CA	X	0.0064	0.0047	0.0120	-0.0089	0.0037	0.0056
	Y	-0.0247	0.0078	-0.0087	-0.0057	-0.0108	0.0040
	Z	0.0047	0.0027	0.0013	-0.0001	-0.0126	0.0109
AT. 46 CA	X	-0.0064	-0.0047	-0.0120	0.0089	0.0037	0.0056
	Y	0.0247	-0.0078	0.0087	0.0057	-0.0108	0.0040

		Z	0.0047	0.0027	0.0013	-0.0001	0.0126	-0.0109
AT.	47	CA X	-0.0064	-0.0047	-0.0120	-0.0089	0.0037	-0.0056
		Y	-0.0247	0.0078	-0.0087	0.0057	0.0108	0.0040
		Z	0.0047	0.0027	0.0013	0.0001	0.0126	0.0109
AT.	48	CA X	0.0064	0.0047	0.0120	0.0089	0.0037	-0.0056
		Y	0.0247	-0.0078	0.0087	-0.0057	0.0108	0.0040
		Z	0.0047	0.0027	0.0013	0.0001	-0.0126	-0.0109
AT.	49	CA X	-0.0074	-0.0137	-0.0184	0.0000	-0.0058	0.0000
		Y	0.0000	0.0000	0.0000	-0.0038	0.0000	-0.0159
		Z	-0.0109	0.0037	-0.0167	0.0000	-0.0217	0.0000
AT.	50	CA X	0.0074	0.0137	0.0184	0.0000	-0.0058	0.0000
		Y	0.0000	0.0000	0.0000	0.0038	0.0000	-0.0159
		Z	-0.0109	0.0037	-0.0167	0.0000	0.0217	0.0000
AT.	51	CA X	0.0074	-0.0137	-0.0184	0.0000	0.0058	0.0000
		Y	0.0000	0.0000	0.0000	0.0038	0.0000	-0.0159
		Z	0.0109	0.0037	-0.0167	0.0000	0.0217	0.0000
AT.	52	CA X	-0.0074	0.0137	0.0184	0.0000	0.0058	0.0000
		Y	0.0000	0.0000	0.0000	-0.0038	0.0000	-0.0159
		Z	0.0109	0.0037	-0.0167	0.0000	-0.0217	0.0000
AT.	53	O X	-0.0032	-0.0056	-0.0040	0.0054	-0.0020	-0.0048
		Y	-0.0009	-0.0063	-0.0002	-0.0067	-0.0085	-0.0017
		Z	0.0139	-0.0080	-0.0045	0.0007	-0.0031	-0.0071
AT.	54	O X	0.0032	0.0056	0.0040	-0.0054	-0.0020	-0.0048
		Y	0.0009	0.0063	0.0002	0.0067	-0.0085	-0.0017
		Z	0.0139	-0.0080	-0.0045	0.0007	0.0031	0.0071
AT.	55	O X	0.0032	0.0056	0.0040	0.0054	-0.0020	0.0048
		Y	-0.0009	-0.0063	-0.0002	0.0067	0.0085	-0.0017
		Z	0.0139	-0.0080	-0.0045	-0.0007	0.0031	-0.0071
AT.	56	O X	-0.0032	-0.0056	-0.0040	-0.0054	-0.0020	0.0048
		Y	0.0009	0.0063	0.0002	-0.0067	0.0085	-0.0017
		Z	0.0139	-0.0080	-0.0045	-0.0007	-0.0031	0.0071
AT.	57	O X	0.0032	-0.0056	-0.0040	-0.0054	0.0020	-0.0048
		Y	0.0009	-0.0063	-0.0002	0.0067	0.0085	-0.0017
		Z	-0.0139	-0.0080	-0.0045	-0.0007	0.0031	-0.0071
AT.	58	O X	-0.0032	0.0056	0.0040	0.0054	0.0020	-0.0048
		Y	-0.0009	0.0063	0.0002	-0.0067	0.0085	-0.0017
		Z	-0.0139	-0.0080	-0.0045	-0.0007	-0.0031	0.0071
AT.	59	O X	-0.0032	0.0056	0.0040	-0.0054	0.0020	0.0048
		Y	0.0009	-0.0063	-0.0002	-0.0067	-0.0085	-0.0017
		Z	-0.0139	-0.0080	-0.0045	0.0007	-0.0031	-0.0071
AT.	60	O X	0.0032	-0.0056	-0.0040	0.0054	0.0020	0.0048
		Y	-0.0009	0.0063	0.0002	0.0067	-0.0085	-0.0017
		Z	-0.0139	-0.0080	-0.0045	0.0007	0.0031	0.0071
AT.	61	O X	0.0006	0.0096	0.0006	0.0044	0.0020	0.0072
		Y	0.0074	-0.0130	0.0035	-0.0048	-0.0139	-0.0013
		Z	0.0006	0.0071	-0.0052	0.0052	0.0132	-0.0002
AT.	62	O X	-0.0006	-0.0096	-0.0006	-0.0044	0.0020	0.0072
		Y	-0.0074	0.0130	-0.0035	0.0048	-0.0139	-0.0013
		Z	0.0006	0.0071	-0.0052	0.0052	-0.0132	0.0002
AT.	63	O X	-0.0006	-0.0096	-0.0006	0.0044	0.0020	-0.0072
		Y	0.0074	-0.0130	0.0035	0.0048	0.0139	-0.0013
		Z	0.0006	0.0071	-0.0052	-0.0052	-0.0132	-0.0002
AT.	64	O X	0.0006	0.0096	0.0006	-0.0044	0.0020	-0.0072
		Y	-0.0074	0.0130	-0.0035	-0.0048	0.0139	-0.0013
		Z	0.0006	0.0071	-0.0052	-0.0052	0.0132	0.0002
AT.	65	O X	-0.0006	0.0096	0.0006	-0.0044	-0.0020	0.0072
		Y	-0.0074	-0.0130	0.0035	0.0048	0.0139	-0.0013
		Z	-0.0006	0.0071	-0.0052	-0.0052	-0.0132	-0.0002
AT.	66	O X	0.0006	-0.0096	-0.0006	0.0044	-0.0020	0.0072
		Y	0.0074	0.0130	-0.0035	-0.0048	0.0139	-0.0013
		Z	-0.0006	0.0071	-0.0052	-0.0052	0.0132	0.0002

AT.	67	O	X	0.0006	-0.0096	-0.0006	-0.0044	-0.0020	-0.0072
			Y	-0.0074	-0.0130	0.0035	-0.0048	-0.0139	-0.0013
			Z	-0.0006	0.0071	-0.0052	0.0052	0.0132	-0.0002
AT.	68	O	X	-0.0006	0.0096	0.0006	0.0044	-0.0020	-0.0072
			Y	0.0074	0.0130	-0.0035	0.0048	-0.0139	-0.0013
			Z	-0.0006	0.0071	-0.0052	0.0052	-0.0132	0.0002
AT.	69	O	X	0.0051	-0.0025	-0.0081	-0.0058	0.0003	-0.0083
			Y	-0.0116	-0.0023	0.0000	-0.0016	0.0012	-0.0008
			Z	0.0023	0.0080	-0.0082	0.0094	0.0130	-0.0049
AT.	70	O	X	-0.0051	0.0025	0.0081	0.0058	0.0003	-0.0083
			Y	0.0116	0.0023	0.0000	0.0016	0.0012	-0.0008
			Z	0.0023	0.0080	-0.0082	0.0094	-0.0130	0.0049
AT.	71	O	X	-0.0051	0.0025	0.0081	-0.0058	0.0003	0.0083
			Y	-0.0116	-0.0023	0.0000	0.0016	-0.0012	-0.0008
			Z	0.0023	0.0080	-0.0082	-0.0094	-0.0130	-0.0049
AT.	72	O	X	0.0051	-0.0025	-0.0081	0.0058	0.0003	0.0083
			Y	0.0116	0.0023	0.0000	-0.0016	-0.0012	-0.0008
			Z	0.0023	0.0080	-0.0082	-0.0094	0.0130	0.0049
AT.	73	O	X	-0.0051	-0.0025	-0.0081	0.0058	-0.0003	-0.0083
			Y	0.0116	-0.0023	0.0000	0.0016	-0.0012	-0.0008
			Z	-0.0023	0.0080	-0.0082	-0.0094	-0.0130	-0.0049
AT.	74	O	X	0.0051	0.0025	0.0081	-0.0058	-0.0003	-0.0083
			Y	-0.0116	0.0023	0.0000	-0.0016	-0.0012	-0.0008
			Z	-0.0023	0.0080	-0.0082	-0.0094	0.0130	0.0049
AT.	75	O	X	0.0051	0.0025	0.0081	0.0058	-0.0003	0.0083
			Y	0.0116	-0.0023	0.0000	-0.0016	0.0012	-0.0008
			Z	-0.0023	0.0080	-0.0082	0.0094	0.0130	-0.0049
AT.	76	O	X	-0.0051	-0.0025	-0.0081	-0.0058	-0.0003	0.0083
			Y	-0.0116	0.0023	0.0000	0.0016	0.0012	-0.0008
			Z	-0.0023	0.0080	-0.0082	0.0094	-0.0130	0.0049
AT.	77	O	X	0.0019	0.0016	-0.0058	0.0017	-0.0004	-0.0032
			Y	-0.0067	-0.0080	-0.0001	0.0005	-0.0054	-0.0021
			Z	0.0083	-0.0021	-0.0062	-0.0031	0.0037	-0.0120
AT.	78	O	X	-0.0019	-0.0016	0.0058	-0.0017	-0.0004	-0.0032
			Y	0.0067	0.0080	0.0001	-0.0005	-0.0054	-0.0021
			Z	0.0083	-0.0021	-0.0062	-0.0031	-0.0037	0.0120
AT.	79	O	X	-0.0019	-0.0016	0.0058	0.0017	-0.0004	0.0032
			Y	-0.0067	-0.0080	-0.0001	-0.0005	0.0054	-0.0021
			Z	0.0083	-0.0021	-0.0062	0.0031	-0.0037	-0.0120
AT.	80	O	X	0.0019	0.0016	-0.0058	-0.0017	-0.0004	0.0032
			Y	0.0067	0.0080	0.0001	0.0005	0.0054	-0.0021
			Z	0.0083	-0.0021	-0.0062	0.0031	0.0037	0.0120
AT.	81	O	X	-0.0019	0.0016	-0.0058	-0.0017	0.0004	-0.0032
			Y	0.0067	-0.0080	-0.0001	-0.0005	0.0054	-0.0021
			Z	-0.0083	-0.0021	-0.0062	0.0031	-0.0037	-0.0120
AT.	82	O	X	0.0019	-0.0016	0.0058	0.0017	0.0004	-0.0032
			Y	-0.0067	0.0080	0.0001	0.0005	0.0054	-0.0021
			Z	-0.0083	-0.0021	-0.0062	0.0031	0.0037	0.0120
AT.	83	O	X	0.0019	-0.0016	0.0058	-0.0017	0.0004	0.0032
			Y	0.0067	-0.0080	-0.0001	0.0005	-0.0054	-0.0021
			Z	-0.0083	-0.0021	-0.0062	-0.0031	0.0037	-0.0120
AT.	84	O	X	-0.0019	0.0016	-0.0058	0.0017	0.0004	0.0032
			Y	-0.0067	0.0080	0.0001	-0.0005	-0.0054	-0.0021
			Z	-0.0083	-0.0021	-0.0062	-0.0031	-0.0037	0.0120
AT.	85	O	X	0.0031	0.0065	0.0001	-0.0029	0.0028	0.0012
			Y	-0.0067	0.0215	-0.0041	-0.0057	0.0248	0.0207
			Z	-0.0031	-0.0048	0.0109	-0.0090	-0.0111	0.0007
AT.	86	O	X	-0.0031	-0.0065	-0.0001	0.0029	0.0028	0.0012
			Y	0.0067	-0.0215	0.0041	0.0057	0.0248	0.0207
			Z	-0.0031	-0.0048	0.0109	-0.0090	0.0111	-0.0007
AT.	87	O	X	-0.0031	-0.0065	-0.0001	-0.0029	0.0028	-0.0012

		Y	-0.0067	0.0215	-0.0041	0.0057	-0.0248	0.0207
		Z	-0.0031	-0.0048	0.0109	0.0090	0.0111	0.0007
AT.	88 O	X	0.0031	0.0065	0.0001	0.0029	0.0028	-0.0012
		Y	0.0067	-0.0215	0.0041	-0.0057	-0.0248	0.0207
		Z	-0.0031	-0.0048	0.0109	0.0090	-0.0111	-0.0007
AT.	89 O	X	-0.0031	0.0065	0.0001	0.0029	-0.0028	0.0012
		Y	0.0067	0.0215	-0.0041	0.0057	-0.0248	0.0207
		Z	0.0031	-0.0048	0.0109	0.0090	0.0111	0.0007
AT.	90 O	X	0.0031	-0.0065	-0.0001	-0.0029	-0.0028	0.0012
		Y	-0.0067	-0.0215	0.0041	-0.0057	-0.0248	0.0207
		Z	0.0031	-0.0048	0.0109	0.0090	-0.0111	-0.0007
AT.	91 O	X	0.0031	-0.0065	-0.0001	0.0029	-0.0028	-0.0012
		Y	0.0067	0.0215	-0.0041	-0.0057	0.0248	0.0207
		Z	0.0031	-0.0048	0.0109	-0.0090	-0.0111	0.0007
AT.	92 O	X	-0.0031	0.0065	0.0001	-0.0029	-0.0028	-0.0012
		Y	-0.0067	-0.0215	0.0041	0.0057	0.0248	0.0207
		Z	0.0031	-0.0048	0.0109	-0.0090	0.0111	-0.0007
AT.	93 O	X	-0.0157	0.0147	0.0117	-0.0029	0.0104	0.0177
		Y	0.0059	0.0106	-0.0024	-0.0021	0.0046	0.0044
		Z	-0.0164	0.0102	0.0057	-0.0121	0.0224	0.0225
AT.	94 O	X	0.0157	-0.0147	-0.0117	0.0029	0.0104	0.0177
		Y	-0.0059	-0.0106	0.0024	0.0021	0.0046	0.0044
		Z	-0.0164	0.0102	0.0057	-0.0121	-0.0224	-0.0225
AT.	95 O	X	0.0157	-0.0147	-0.0117	-0.0029	0.0104	-0.0177
		Y	0.0059	0.0106	-0.0024	0.0021	-0.0046	0.0044
		Z	-0.0164	0.0102	0.0057	0.0121	-0.0224	0.0225
AT.	96 O	X	-0.0157	0.0147	0.0117	0.0029	0.0104	-0.0177
		Y	-0.0059	-0.0106	0.0024	-0.0021	-0.0046	0.0044
		Z	-0.0164	0.0102	0.0057	0.0121	0.0224	-0.0225
AT.	97 O	X	0.0157	0.0147	0.0117	0.0029	-0.0104	0.0177
		Y	-0.0059	0.0106	-0.0024	0.0021	-0.0046	0.0044
		Z	0.0164	0.0102	0.0057	0.0121	-0.0224	0.0225
AT.	98 O	X	-0.0157	-0.0147	-0.0117	-0.0029	-0.0104	0.0177
		Y	0.0059	-0.0106	0.0024	-0.0021	-0.0046	0.0044
		Z	0.0164	0.0102	0.0057	0.0121	0.0224	-0.0225
AT.	99 O	X	-0.0157	-0.0147	-0.0117	0.0029	-0.0104	-0.0177
		Y	-0.0059	0.0106	-0.0024	-0.0021	0.0046	0.0044
		Z	0.0164	0.0102	0.0057	-0.0121	0.0224	0.0225
AT.	100 O	X	0.0157	0.0147	0.0117	-0.0029	-0.0104	-0.0177
		Y	0.0059	-0.0106	0.0024	0.0021	0.0046	0.0044
		Z	0.0164	0.0102	0.0057	-0.0121	-0.0224	-0.0225
AT.	101 O	X	0.0045	0.0034	0.0017	-0.0061	0.0054	-0.0046
		Y	0.0078	0.0028	0.0077	-0.0008	-0.0114	-0.0127
		Z	-0.0066	-0.0063	0.0140	-0.0082	-0.0150	-0.0045
AT.	102 O	X	-0.0045	-0.0034	-0.0017	0.0061	0.0054	-0.0046
		Y	-0.0078	-0.0028	-0.0077	0.0008	-0.0114	-0.0127
		Z	-0.0066	-0.0063	0.0140	-0.0082	0.0150	0.0045
AT.	103 O	X	-0.0045	-0.0034	-0.0017	-0.0061	0.0054	0.0046
		Y	0.0078	0.0028	0.0077	0.0008	0.0114	-0.0127
		Z	-0.0066	-0.0063	0.0140	0.0082	0.0150	-0.0045
AT.	104 O	X	0.0045	0.0034	0.0017	0.0061	0.0054	0.0046
		Y	-0.0078	-0.0028	-0.0077	-0.0008	0.0114	-0.0127
		Z	-0.0066	-0.0063	0.0140	0.0082	-0.0150	0.0045
AT.	105 O	X	-0.0045	0.0034	0.0017	0.0061	-0.0054	-0.0046
		Y	-0.0078	0.0028	0.0077	0.0008	0.0114	-0.0127
		Z	0.0066	-0.0063	0.0140	0.0082	0.0150	-0.0045
AT.	106 O	X	0.0045	-0.0034	-0.0017	-0.0061	-0.0054	-0.0046
		Y	0.0078	-0.0028	-0.0077	-0.0008	0.0114	-0.0127
		Z	0.0066	-0.0063	0.0140	0.0082	-0.0150	0.0045
AT.	107 O	X	0.0045	-0.0034	-0.0017	0.0061	-0.0054	0.0046
		Y	-0.0078	0.0028	0.0077	-0.0008	-0.0114	-0.0127

	Z	0.0066	-0.0063	0.0140	-0.0082	-0.0150	-0.0045
AT. 108 O	X	-0.0045	0.0034	0.0017	-0.0061	-0.0054	0.0046
	Y	0.0078	-0.0028	-0.0077	0.0008	-0.0114	-0.0127
	Z	0.0066	-0.0063	0.0140	-0.0082	0.0150	0.0045
AT. 109 O	X	-0.0026	0.0091	0.0035	-0.0029	0.0047	0.0047
	Y	-0.0132	0.0085	0.0081	-0.0008	0.0106	0.0137
	Z	-0.0023	-0.0048	0.0135	-0.0018	-0.0024	0.0084
AT. 110 O	X	0.0026	-0.0091	-0.0035	0.0029	0.0047	0.0047
	Y	0.0132	-0.0085	-0.0081	0.0008	0.0106	0.0137
	Z	-0.0023	-0.0048	0.0135	-0.0018	0.0024	-0.0084
AT. 111 O	X	0.0026	-0.0091	-0.0035	-0.0029	0.0047	-0.0047
	Y	-0.0132	0.0085	0.0081	0.0008	-0.0106	0.0137
	Z	-0.0023	-0.0048	0.0135	0.0018	0.0024	0.0084
AT. 112 O	X	-0.0026	0.0091	0.0035	0.0029	0.0047	-0.0047
	Y	0.0132	-0.0085	-0.0081	-0.0008	-0.0106	0.0137
	Z	-0.0023	-0.0048	0.0135	0.0018	-0.0024	-0.0084
AT. 113 O	X	0.0026	0.0091	0.0035	0.0029	-0.0047	0.0047
	Y	0.0132	0.0085	0.0081	0.0008	-0.0106	0.0137
	Z	0.0023	-0.0048	0.0135	0.0018	0.0024	0.0084
AT. 114 O	X	-0.0026	-0.0091	-0.0035	-0.0029	-0.0047	0.0047
	Y	-0.0132	-0.0085	-0.0081	-0.0008	-0.0106	0.0137
	Z	0.0023	-0.0048	0.0135	0.0018	-0.0024	-0.0084
AT. 115 O	X	-0.0026	-0.0091	-0.0035	0.0029	-0.0047	-0.0047
	Y	0.0132	0.0085	0.0081	-0.0008	0.0106	0.0137
	Z	0.0023	-0.0048	0.0135	-0.0018	-0.0024	0.0084
AT. 116 O	X	0.0026	0.0091	0.0035	-0.0029	-0.0047	-0.0047
	Y	-0.0132	-0.0085	-0.0081	0.0008	0.0106	0.0137
	Z	0.0023	-0.0048	0.0135	-0.0018	0.0024	-0.0084
AT. 117 O	X	0.0149	0.0000	0.0055	-0.0108	-0.0025	-0.0202
	Y	-0.0036	0.0003	0.0091	-0.0006	0.0011	-0.0096
	Z	-0.0127	-0.0101	-0.0123	0.0097	0.0019	0.0159
AT. 118 O	X	-0.0149	0.0000	-0.0055	0.0108	-0.0025	-0.0202
	Y	0.0036	-0.0003	-0.0091	0.0006	0.0011	-0.0096
	Z	-0.0127	-0.0101	-0.0123	0.0097	-0.0019	-0.0159
AT. 119 O	X	-0.0149	0.0000	-0.0055	-0.0108	-0.0025	0.0202
	Y	-0.0036	0.0003	0.0091	0.0006	-0.0011	-0.0096
	Z	-0.0127	-0.0101	-0.0123	-0.0097	-0.0019	0.0159
AT. 120 O	X	0.0149	0.0000	0.0055	0.0108	-0.0025	0.0202
	Y	0.0036	-0.0003	-0.0091	-0.0006	-0.0011	-0.0096
	Z	-0.0127	-0.0101	-0.0123	-0.0097	0.0019	-0.0159
AT. 121 O	X	-0.0149	0.0000	0.0055	0.0108	0.0025	-0.0202
	Y	0.0036	0.0003	0.0091	0.0006	-0.0011	-0.0096
	Z	0.0127	-0.0101	-0.0123	-0.0097	-0.0019	0.0159
AT. 122 O	X	0.0149	0.0000	-0.0055	-0.0108	0.0025	-0.0202
	Y	-0.0036	-0.0003	-0.0091	-0.0006	-0.0011	-0.0096
	Z	0.0127	-0.0101	-0.0123	-0.0097	0.0019	-0.0159
AT. 123 O	X	0.0149	0.0000	-0.0055	0.0108	0.0025	0.0202
	Y	0.0036	0.0003	0.0091	-0.0006	0.0011	-0.0096
	Z	0.0127	-0.0101	-0.0123	0.0097	0.0019	0.0159
AT. 124 O	X	-0.0149	0.0000	0.0055	-0.0108	0.0025	0.0202
	Y	-0.0036	-0.0003	-0.0091	0.0006	0.0011	-0.0096
	Z	0.0127	-0.0101	-0.0123	0.0097	-0.0019	-0.0159

FREQ(CM**-1)	192.93	194.53	194.74	195.66	199.77	201.37

AT. 1 SI	X	0.0017	0.0027	0.0031	0.0030	0.0044	-0.0009
	Y	-0.0047	0.0007	0.0059	0.0116	0.0117	-0.0082
	Z	-0.0056	0.0012	0.0062	0.0032	0.0024	-0.0055
AT. 2 SI	X	0.0017	-0.0027	0.0031	-0.0030	-0.0044	-0.0009
	Y	-0.0047	-0.0007	0.0059	-0.0116	-0.0117	-0.0082
	Z	0.0056	0.0012	-0.0062	0.0032	0.0024	0.0055

AT.	3	SI	X	0.0017	0.0027	0.0031	0.0030	-0.0044	-0.0009
			Y	0.0047	-0.0007	-0.0059	-0.0116	0.0117	0.0082
			Z	0.0056	-0.0012	-0.0062	-0.0032	0.0024	0.0055
AT.	4	SI	X	0.0017	-0.0027	0.0031	-0.0030	0.0044	-0.0009
			Y	0.0047	0.0007	-0.0059	0.0116	-0.0117	0.0082
			Z	-0.0056	-0.0012	0.0062	-0.0032	0.0024	-0.0055
AT.	5	SI	X	0.0017	0.0027	0.0031	0.0030	-0.0044	0.0009
			Y	-0.0047	0.0007	0.0059	0.0116	-0.0117	0.0082
			Z	-0.0056	0.0012	0.0062	0.0032	-0.0024	0.0055
AT.	6	SI	X	0.0017	-0.0027	0.0031	-0.0030	0.0044	0.0009
			Y	-0.0047	-0.0007	0.0059	-0.0116	0.0117	0.0082
			Z	0.0056	0.0012	-0.0062	0.0032	-0.0024	-0.0055
AT.	7	SI	X	0.0017	0.0027	0.0031	0.0030	0.0044	0.0009
			Y	0.0047	-0.0007	-0.0059	-0.0116	-0.0117	-0.0082
			Z	0.0056	-0.0012	-0.0062	-0.0032	-0.0024	-0.0055
AT.	8	SI	X	0.0017	-0.0027	0.0031	-0.0030	-0.0044	0.0009
			Y	0.0047	0.0007	-0.0059	0.0116	0.0117	-0.0082
			Z	-0.0056	-0.0012	0.0062	-0.0032	-0.0024	0.0055
AT.	9	SI	X	0.0020	0.0002	-0.0002	0.0013	-0.0044	0.0041
			Y	0.0033	-0.0097	-0.0028	0.0068	0.0028	-0.0022
			Z	-0.0042	-0.0045	0.0014	0.0079	0.0066	0.0086
AT.	10	SI	X	0.0020	-0.0002	-0.0002	-0.0013	0.0044	0.0041
			Y	0.0033	0.0097	-0.0028	-0.0068	-0.0028	-0.0022
			Z	0.0042	-0.0045	-0.0014	0.0079	0.0066	-0.0086
AT.	11	SI	X	0.0020	0.0002	-0.0002	0.0013	0.0044	0.0041
			Y	-0.0033	0.0097	0.0028	-0.0068	0.0028	0.0022
			Z	0.0042	0.0045	-0.0014	-0.0079	0.0066	-0.0086
AT.	12	SI	X	0.0020	-0.0002	-0.0002	-0.0013	-0.0044	0.0041
			Y	-0.0033	-0.0097	0.0028	0.0068	-0.0028	0.0022
			Z	-0.0042	0.0045	0.0014	-0.0079	0.0066	0.0086
AT.	13	SI	X	0.0020	0.0002	-0.0002	0.0013	0.0044	-0.0041
			Y	0.0033	-0.0097	-0.0028	0.0068	-0.0028	0.0022
			Z	-0.0042	-0.0045	0.0014	0.0079	-0.0066	-0.0086
AT.	14	SI	X	0.0020	-0.0002	-0.0002	-0.0013	-0.0044	-0.0041
			Y	0.0033	0.0097	-0.0028	-0.0068	0.0028	0.0022
			Z	0.0042	-0.0045	-0.0014	0.0079	-0.0066	0.0086
AT.	15	SI	X	0.0020	0.0002	-0.0002	0.0013	-0.0044	-0.0041
			Y	-0.0033	0.0097	0.0028	-0.0068	-0.0028	-0.0022
			Z	0.0042	0.0045	-0.0014	-0.0079	-0.0066	0.0086
AT.	16	SI	X	0.0020	-0.0002	-0.0002	-0.0013	0.0044	-0.0041
			Y	-0.0033	-0.0097	0.0028	0.0068	0.0028	-0.0022
			Z	-0.0042	0.0045	0.0014	-0.0079	-0.0066	-0.0086
AT.	17	SI	X	-0.0033	0.0000	0.0037	0.0000	0.0035	-0.0012
			Y	0.0000	-0.0043	0.0000	0.0020	0.0000	0.0000
			Z	-0.0104	0.0000	0.0007	0.0000	0.0053	0.0049
AT.	18	SI	X	-0.0033	0.0000	0.0037	0.0000	-0.0035	-0.0012
			Y	0.0000	0.0043	0.0000	-0.0020	0.0000	0.0000
			Z	0.0104	0.0000	-0.0007	0.0000	0.0053	-0.0049
AT.	19	SI	X	-0.0033	0.0000	0.0037	0.0000	-0.0035	0.0012
			Y	0.0000	-0.0043	0.0000	0.0020	0.0000	0.0000
			Z	-0.0104	0.0000	0.0007	0.0000	-0.0053	-0.0049
AT.	20	SI	X	-0.0033	0.0000	0.0037	0.0000	0.0035	0.0012
			Y	0.0000	0.0043	0.0000	-0.0020	0.0000	0.0000
			Z	0.0104	0.0000	-0.0007	0.0000	-0.0053	0.0049
AT.	21	CA	X	0.0002	-0.0174	-0.0194	-0.0111	0.0035	-0.0022
			Y	0.0120	0.0216	0.0211	0.0052	-0.0156	0.0054
			Z	-0.0100	-0.0029	0.0090	0.0179	-0.0154	0.0235
AT.	22	CA	X	0.0002	0.0174	-0.0194	0.0111	-0.0035	-0.0022
			Y	0.0120	-0.0216	0.0211	-0.0052	0.0156	0.0054
			Z	0.0100	-0.0029	-0.0090	0.0179	-0.0154	-0.0235
AT.	23	CA	X	0.0002	-0.0174	-0.0194	-0.0111	-0.0035	-0.0022

		Y	-0.0120	-0.0216	-0.0211	-0.0052	-0.0156	-0.0054
		Z	0.0100	0.0029	-0.0090	-0.0179	-0.0154	-0.0235
AT.	24	CA X	0.0002	0.0174	-0.0194	0.0111	0.0035	-0.0022
		Y	-0.0120	0.0216	-0.0211	0.0052	0.0156	-0.0054
		Z	-0.0100	0.0029	0.0090	-0.0179	-0.0154	0.0235
AT.	25	CA X	0.0002	-0.0174	-0.0194	-0.0111	-0.0035	0.0022
		Y	0.0120	0.0216	0.0211	0.0052	0.0156	-0.0054
		Z	-0.0100	-0.0029	0.0090	0.0179	0.0154	-0.0235
AT.	26	CA X	0.0002	0.0174	-0.0194	0.0111	0.0035	0.0022
		Y	0.0120	-0.0216	0.0211	-0.0052	-0.0156	-0.0054
		Z	0.0100	-0.0029	-0.0090	0.0179	0.0154	0.0235
AT.	27	CA X	0.0002	-0.0174	-0.0194	-0.0111	0.0035	0.0022
		Y	-0.0120	-0.0216	-0.0211	-0.0052	0.0156	0.0054
		Z	0.0100	0.0029	-0.0090	-0.0179	0.0154	0.0235
AT.	28	CA X	0.0002	0.0174	-0.0194	0.0111	-0.0035	0.0022
		Y	-0.0120	0.0216	-0.0211	0.0052	-0.0156	0.0054
		Z	-0.0100	0.0029	0.0090	-0.0179	0.0154	-0.0235
AT.	29	CA X	-0.0115	0.0164	0.0277	0.0210	0.0000	0.0000
		Y	0.0016	-0.0161	-0.0125	0.0027	0.0000	0.0000
		Z	0.0045	-0.0144	-0.0199	-0.0122	0.0000	0.0000
AT.	30	CA X	-0.0115	-0.0164	0.0277	-0.0210	0.0000	0.0000
		Y	0.0016	0.0161	-0.0125	-0.0027	0.0000	0.0000
		Z	-0.0045	-0.0144	0.0199	-0.0122	0.0000	0.0000
AT.	31	CA X	-0.0115	0.0164	0.0277	0.0210	0.0000	0.0000
		Y	-0.0016	0.0161	0.0125	-0.0027	0.0000	0.0000
		Z	-0.0045	0.0144	0.0199	0.0122	0.0000	0.0000
AT.	32	CA X	-0.0115	-0.0164	0.0277	-0.0210	0.0000	0.0000
		Y	-0.0016	-0.0161	0.0125	0.0027	0.0000	0.0000
		Z	0.0045	0.0144	-0.0199	0.0122	0.0000	0.0000
AT.	33	CA X	0.0156	0.0048	-0.0018	-0.0012	0.0072	-0.0036
		Y	-0.0086	-0.0086	-0.0063	0.0013	0.0098	0.0036
		Z	0.0169	0.0048	-0.0008	-0.0035	0.0053	0.0021
AT.	34	CA X	0.0156	-0.0048	-0.0018	0.0012	-0.0072	-0.0036
		Y	-0.0086	0.0086	-0.0063	-0.0013	-0.0098	0.0036
		Z	-0.0169	0.0048	0.0008	-0.0035	0.0053	-0.0021
AT.	35	CA X	0.0156	0.0048	-0.0018	-0.0012	-0.0072	-0.0036
		Y	0.0086	0.0086	0.0063	-0.0013	0.0098	-0.0036
		Z	-0.0169	-0.0048	0.0008	0.0035	0.0053	-0.0021
AT.	36	CA X	0.0156	-0.0048	-0.0018	0.0012	0.0072	-0.0036
		Y	0.0086	-0.0086	0.0063	0.0013	-0.0098	-0.0036
		Z	0.0169	-0.0048	-0.0008	0.0035	0.0053	0.0021
AT.	37	CA X	0.0156	0.0048	-0.0018	-0.0012	-0.0072	0.0036
		Y	-0.0086	-0.0086	-0.0063	0.0013	-0.0098	-0.0036
		Z	0.0169	0.0048	-0.0008	-0.0035	-0.0053	-0.0021
AT.	38	CA X	0.0156	-0.0048	-0.0018	0.0012	0.0072	0.0036
		Y	-0.0086	0.0086	-0.0063	-0.0013	0.0098	-0.0036
		Z	-0.0169	0.0048	0.0008	-0.0035	-0.0053	0.0021
AT.	39	CA X	0.0156	0.0048	-0.0018	-0.0012	0.0072	0.0036
		Y	0.0086	0.0086	0.0063	-0.0013	-0.0098	0.0036
		Z	-0.0169	-0.0048	0.0008	0.0035	-0.0053	0.0021
AT.	40	CA X	0.0156	-0.0048	-0.0018	0.0012	-0.0072	0.0036
		Y	0.0086	-0.0086	0.0063	0.0013	0.0098	0.0036
		Z	0.0169	-0.0048	-0.0008	0.0035	-0.0053	-0.0021
AT.	41	CA X	-0.0144	0.0025	0.0016	-0.0064	0.0000	-0.0050
		Y	0.0201	0.0094	0.0089	0.0096	0.0045	-0.0034
		Z	-0.0042	0.0096	0.0039	-0.0146	0.0017	-0.0112
AT.	42	CA X	-0.0144	-0.0025	0.0016	0.0064	0.0000	-0.0050
		Y	0.0201	-0.0094	0.0089	-0.0096	-0.0045	-0.0034
		Z	0.0042	0.0096	-0.0039	-0.0146	0.0017	0.0112
AT.	43	CA X	-0.0144	0.0025	0.0016	-0.0064	0.0000	-0.0050
		Y	-0.0201	-0.0094	-0.0089	-0.0096	0.0045	0.0034

		Z	0.0042	-0.0096	-0.0039	0.0146	0.0017	0.0112
AT.	44	CA X	-0.0144	-0.0025	0.0016	0.0064	0.0000	-0.0050
		Y	-0.0201	0.0094	-0.0089	0.0096	-0.0045	0.0034
		Z	-0.0042	-0.0096	0.0039	0.0146	0.0017	-0.0112
AT.	45	CA X	-0.0144	0.0025	0.0016	-0.0064	0.0000	0.0050
		Y	0.0201	0.0094	0.0089	0.0096	-0.0045	0.0034
		Z	-0.0042	0.0096	0.0039	-0.0146	-0.0017	0.0112
AT.	46	CA X	-0.0144	-0.0025	0.0016	0.0064	0.0000	0.0050
		Y	0.0201	-0.0094	0.0089	-0.0096	0.0045	0.0034
		Z	0.0042	0.0096	-0.0039	-0.0146	-0.0017	-0.0112
AT.	47	CA X	-0.0144	0.0025	0.0016	-0.0064	0.0000	0.0050
		Y	-0.0201	-0.0094	-0.0089	-0.0096	-0.0045	-0.0034
		Z	0.0042	-0.0096	-0.0039	0.0146	-0.0017	-0.0112
AT.	48	CA X	-0.0144	-0.0025	0.0016	0.0064	0.0000	0.0050
		Y	-0.0201	0.0094	-0.0089	0.0096	0.0045	-0.0034
		Z	-0.0042	-0.0096	0.0039	0.0146	-0.0017	0.0112
AT.	49	CA X	0.0002	0.0000	-0.0005	0.0000	-0.0087	-0.0091
		Y	0.0000	-0.0086	0.0000	0.0142	0.0000	0.0000
		Z	-0.0063	0.0000	0.0012	0.0000	-0.0108	-0.0239
AT.	50	CA X	0.0002	0.0000	-0.0005	0.0000	0.0087	-0.0091
		Y	0.0000	0.0086	0.0000	-0.0142	0.0000	0.0000
		Z	0.0063	0.0000	-0.0012	0.0000	-0.0108	0.0239
AT.	51	CA X	0.0002	0.0000	-0.0005	0.0000	0.0087	0.0091
		Y	0.0000	-0.0086	0.0000	0.0142	0.0000	0.0000
		Z	-0.0063	0.0000	0.0012	0.0000	0.0108	0.0239
AT.	52	CA X	0.0002	0.0000	-0.0005	0.0000	-0.0087	0.0091
		Y	0.0000	0.0086	0.0000	-0.0142	0.0000	0.0000
		Z	0.0063	0.0000	-0.0012	0.0000	0.0108	-0.0239
AT.	53	O X	-0.0043	-0.0050	-0.0014	0.0076	0.0131	-0.0081
		Y	-0.0015	0.0034	0.0071	0.0095	0.0066	-0.0048
		Z	-0.0045	0.0016	0.0047	0.0039	-0.0050	0.0077
AT.	54	O X	-0.0043	0.0050	-0.0014	-0.0076	-0.0131	-0.0081
		Y	-0.0015	-0.0034	0.0071	-0.0095	-0.0066	-0.0048
		Z	0.0045	0.0016	-0.0047	0.0039	-0.0050	-0.0077
AT.	55	O X	-0.0043	-0.0050	-0.0014	0.0076	-0.0131	-0.0081
		Y	0.0015	-0.0034	-0.0071	-0.0095	0.0066	0.0048
		Z	0.0045	-0.0016	-0.0047	-0.0039	-0.0050	-0.0077
AT.	56	O X	-0.0043	0.0050	-0.0014	-0.0076	0.0131	-0.0081
		Y	0.0015	0.0034	-0.0071	0.0095	-0.0066	0.0048
		Z	-0.0045	-0.0016	0.0047	-0.0039	-0.0050	0.0077
AT.	57	O X	-0.0043	-0.0050	-0.0014	0.0076	-0.0131	0.0081
		Y	-0.0015	0.0034	0.0071	0.0095	-0.0066	0.0048
		Z	-0.0045	0.0016	0.0047	0.0039	0.0050	-0.0077
AT.	58	O X	-0.0043	0.0050	-0.0014	-0.0076	0.0131	0.0081
		Y	-0.0015	-0.0034	0.0071	-0.0095	0.0066	0.0048
		Z	0.0045	0.0016	-0.0047	0.0039	0.0050	0.0077
AT.	59	O X	-0.0043	-0.0050	-0.0014	0.0076	0.0131	0.0081
		Y	0.0015	-0.0034	-0.0071	-0.0095	-0.0066	-0.0048
		Z	0.0045	-0.0016	-0.0047	-0.0039	0.0050	0.0077
AT.	60	O X	-0.0043	0.0050	-0.0014	-0.0076	-0.0131	0.0081
		Y	0.0015	0.0034	-0.0071	0.0095	0.0066	-0.0048
		Z	-0.0045	-0.0016	0.0047	-0.0039	0.0050	-0.0077
AT.	61	O X	0.0032	0.0083	0.0025	-0.0065	0.0007	-0.0044
		Y	-0.0034	-0.0002	0.0030	0.0096	0.0032	0.0009
		Z	-0.0044	0.0044	0.0061	-0.0024	0.0064	-0.0106
AT.	62	O X	0.0032	-0.0083	0.0025	0.0065	-0.0007	-0.0044
		Y	-0.0034	0.0002	0.0030	-0.0096	-0.0032	0.0009
		Z	0.0044	0.0044	-0.0061	-0.0024	0.0064	0.0106
AT.	63	O X	0.0032	0.0083	0.0025	-0.0065	-0.0007	-0.0044
		Y	0.0034	0.0002	-0.0030	-0.0096	0.0032	-0.0009
		Z	0.0044	-0.0044	-0.0061	0.0024	0.0064	0.0106

AT.	64	O	X	0.0032	-0.0083	0.0025	0.0065	0.0007	-0.0044
			Y	0.0034	-0.0002	-0.0030	0.0096	-0.0032	-0.0009
			Z	-0.0044	-0.0044	0.0061	0.0024	0.0064	-0.0106
AT.	65	O	X	0.0032	0.0083	0.0025	-0.0065	-0.0007	0.0044
			Y	-0.0034	-0.0002	0.0030	0.0096	-0.0032	-0.0009
			Z	-0.0044	0.0044	0.0061	-0.0024	-0.0064	0.0106
AT.	66	O	X	0.0032	-0.0083	0.0025	0.0065	0.0007	0.0044
			Y	-0.0034	0.0002	0.0030	-0.0096	0.0032	-0.0009
			Z	0.0044	0.0044	-0.0061	-0.0024	-0.0064	-0.0106
AT.	67	O	X	0.0032	0.0083	0.0025	-0.0065	0.0007	0.0044
			Y	0.0034	0.0002	-0.0030	-0.0096	-0.0032	0.0009
			Z	0.0044	-0.0044	-0.0061	0.0024	-0.0064	-0.0106
AT.	68	O	X	0.0032	-0.0083	0.0025	0.0065	-0.0007	0.0044
			Y	0.0034	-0.0002	-0.0030	0.0096	0.0032	0.0009
			Z	-0.0044	-0.0044	0.0061	0.0024	-0.0064	0.0106
AT.	69	O	X	0.0042	0.0003	-0.0003	-0.0016	-0.0019	0.0111
			Y	-0.0028	-0.0008	0.0046	0.0082	0.0167	-0.0158
			Z	-0.0057	0.0016	0.0070	0.0038	0.0078	-0.0137
AT.	70	O	X	0.0042	-0.0003	-0.0003	0.0016	0.0019	0.0111
			Y	-0.0028	0.0008	0.0046	-0.0082	-0.0167	-0.0158
			Z	0.0057	0.0016	-0.0070	0.0038	0.0078	0.0137
AT.	71	O	X	0.0042	0.0003	-0.0003	-0.0016	0.0019	0.0111
			Y	0.0028	0.0008	-0.0046	-0.0082	0.0167	0.0158
			Z	0.0057	-0.0016	-0.0070	-0.0038	0.0078	0.0137
AT.	72	O	X	0.0042	-0.0003	-0.0003	0.0016	-0.0019	0.0111
			Y	0.0028	-0.0008	-0.0046	0.0082	-0.0167	0.0158
			Z	-0.0057	-0.0016	0.0070	-0.0038	0.0078	-0.0137
AT.	73	O	X	0.0042	0.0003	-0.0003	-0.0016	0.0019	-0.0111
			Y	-0.0028	-0.0008	0.0046	0.0082	-0.0167	0.0158
			Z	-0.0057	0.0016	0.0070	0.0038	-0.0078	0.0137
AT.	74	O	X	0.0042	-0.0003	-0.0003	0.0016	-0.0019	-0.0111
			Y	-0.0028	0.0008	0.0046	-0.0082	0.0167	0.0158
			Z	0.0057	0.0016	-0.0070	0.0038	-0.0078	-0.0137
AT.	75	O	X	0.0042	0.0003	-0.0003	-0.0016	-0.0019	-0.0111
			Y	0.0028	0.0008	-0.0046	-0.0082	-0.0167	-0.0158
			Z	0.0057	-0.0016	-0.0070	-0.0038	-0.0078	-0.0137
AT.	76	O	X	0.0042	-0.0003	-0.0003	0.0016	0.0019	-0.0111
			Y	0.0028	-0.0008	-0.0046	0.0082	0.0167	-0.0158
			Z	-0.0057	-0.0016	0.0070	-0.0038	-0.0078	0.0137
AT.	77	O	X	0.0014	0.0029	0.0030	0.0025	0.0049	-0.0014
			Y	-0.0102	-0.0119	-0.0033	0.0150	0.0177	-0.0100
			Z	0.0002	-0.0030	-0.0022	-0.0022	0.0020	0.0114
AT.	78	O	X	0.0014	-0.0029	0.0030	-0.0025	-0.0049	-0.0014
			Y	-0.0102	0.0119	-0.0033	-0.0150	-0.0177	-0.0100
			Z	-0.0002	-0.0030	0.0022	-0.0022	0.0020	-0.0114
AT.	79	O	X	0.0014	0.0029	0.0030	0.0025	-0.0049	-0.0014
			Y	0.0102	0.0119	0.0033	-0.0150	0.0177	0.0100
			Z	-0.0002	0.0030	0.0022	0.0022	0.0020	-0.0114
AT.	80	O	X	0.0014	-0.0029	0.0030	-0.0025	0.0049	-0.0014
			Y	0.0102	-0.0119	0.0033	0.0150	-0.0177	0.0100
			Z	0.0002	0.0030	-0.0022	0.0022	0.0020	0.0114
AT.	81	O	X	0.0014	0.0029	0.0030	0.0025	-0.0049	0.0014
			Y	-0.0102	-0.0119	-0.0033	0.0150	-0.0177	0.0100
			Z	0.0002	-0.0030	-0.0022	-0.0022	-0.0020	-0.0114
AT.	82	O	X	0.0014	-0.0029	0.0030	-0.0025	0.0049	0.0014
			Y	-0.0102	0.0119	-0.0033	-0.0150	0.0177	0.0100
			Z	-0.0002	-0.0030	0.0022	-0.0022	-0.0020	0.0114
AT.	83	O	X	0.0014	0.0029	0.0030	0.0025	0.0049	0.0014
			Y	0.0102	0.0119	0.0033	-0.0150	-0.0177	-0.0100
			Z	-0.0002	0.0030	0.0022	0.0022	-0.0020	0.0114
AT.	84	O	X	0.0014	-0.0029	0.0030	-0.0025	-0.0049	0.0014

	Y	0.0102	-0.0119	0.0033	0.0150	0.0177	-0.0100
	Z	0.0002	0.0030	-0.0022	0.0022	-0.0020	-0.0114
AT. 85 O	X	0.0036	0.0018	-0.0003	-0.0004	-0.0122	0.0057
	Y	0.0086	-0.0055	-0.0053	-0.0017	-0.0093	0.0021
	Z	-0.0061	-0.0056	0.0024	0.0106	0.0093	0.0063
AT. 86 O	X	0.0036	-0.0018	-0.0003	0.0004	0.0122	0.0057
	Y	0.0086	0.0055	-0.0053	0.0017	0.0093	0.0021
	Z	0.0061	-0.0056	-0.0024	0.0106	0.0093	-0.0063
AT. 87 O	X	0.0036	0.0018	-0.0003	-0.0004	0.0122	0.0057
	Y	-0.0086	0.0055	0.0053	0.0017	-0.0093	-0.0021
	Z	0.0061	0.0056	-0.0024	-0.0106	0.0093	-0.0063
AT. 88 O	X	0.0036	-0.0018	-0.0003	0.0004	-0.0122	0.0057
	Y	-0.0086	-0.0055	0.0053	-0.0017	0.0093	-0.0021
	Z	-0.0061	0.0056	0.0024	-0.0106	0.0093	0.0063
AT. 89 O	X	0.0036	0.0018	-0.0003	-0.0004	0.0122	-0.0057
	Y	0.0086	-0.0055	-0.0053	-0.0017	0.0093	-0.0021
	Z	-0.0061	-0.0056	0.0024	0.0106	-0.0093	-0.0063
AT. 90 O	X	0.0036	-0.0018	-0.0003	0.0004	-0.0122	-0.0057
	Y	0.0086	0.0055	-0.0053	0.0017	-0.0093	-0.0021
	Z	0.0061	-0.0056	-0.0024	0.0106	-0.0093	0.0063
AT. 91 O	X	0.0036	0.0018	-0.0003	-0.0004	-0.0122	-0.0057
	Y	-0.0086	0.0055	0.0053	0.0017	0.0093	0.0021
	Z	0.0061	0.0056	-0.0024	-0.0106	-0.0093	0.0063
AT. 92 O	X	0.0036	-0.0018	-0.0003	0.0004	0.0122	-0.0057
	Y	-0.0086	-0.0055	0.0053	-0.0017	-0.0093	0.0021
	Z	-0.0061	0.0056	0.0024	-0.0106	-0.0093	-0.0063
AT. 93 O	X	-0.0050	-0.0055	-0.0039	0.0013	0.0008	0.0055
	Y	0.0062	-0.0069	-0.0006	0.0081	0.0028	-0.0026
	Z	0.0005	-0.0013	-0.0034	-0.0041	-0.0042	0.0133
AT. 94 O	X	-0.0050	0.0055	-0.0039	-0.0013	-0.0008	0.0055
	Y	0.0062	0.0069	-0.0006	-0.0081	-0.0028	-0.0026
	Z	-0.0005	-0.0013	0.0034	-0.0041	-0.0042	-0.0133
AT. 95 O	X	-0.0050	-0.0055	-0.0039	0.0013	-0.0008	0.0055
	Y	-0.0062	0.0069	0.0006	-0.0081	0.0028	0.0026
	Z	-0.0005	0.0013	0.0034	0.0041	-0.0042	-0.0133
AT. 96 O	X	-0.0050	0.0055	-0.0039	-0.0013	0.0008	0.0055
	Y	-0.0062	-0.0069	0.0006	0.0081	-0.0028	0.0026
	Z	0.0005	0.0013	-0.0034	0.0041	-0.0042	0.0133
AT. 97 O	X	-0.0050	-0.0055	-0.0039	0.0013	-0.0008	-0.0055
	Y	0.0062	-0.0069	-0.0006	0.0081	-0.0028	0.0026
	Z	0.0005	-0.0013	-0.0034	-0.0041	0.0042	-0.0133
AT. 98 O	X	-0.0050	0.0055	-0.0039	-0.0013	0.0008	-0.0055
	Y	0.0062	0.0069	-0.0006	-0.0081	0.0028	0.0026
	Z	-0.0005	-0.0013	0.0034	-0.0041	0.0042	0.0133
AT. 99 O	X	-0.0050	-0.0055	-0.0039	0.0013	0.0008	-0.0055
	Y	-0.0062	0.0069	0.0006	-0.0081	-0.0028	-0.0026
	Z	-0.0005	0.0013	0.0034	0.0041	0.0042	0.0133
AT. 100 O	X	-0.0050	0.0055	-0.0039	-0.0013	-0.0008	-0.0055
	Y	-0.0062	-0.0069	0.0006	0.0081	0.0028	-0.0026
	Z	0.0005	0.0013	-0.0034	0.0041	0.0042	-0.0133
AT. 101 O	X	0.0028	-0.0008	0.0033	0.0039	-0.0028	0.0045
	Y	-0.0041	-0.0078	0.0012	0.0072	0.0150	-0.0063
	Z	-0.0092	-0.0046	0.0021	0.0093	0.0153	0.0012
AT. 102 O	X	0.0028	0.0008	0.0033	-0.0039	0.0028	0.0045
	Y	-0.0041	0.0078	0.0012	-0.0072	-0.0150	-0.0063
	Z	0.0092	-0.0046	-0.0021	0.0093	0.0153	-0.0012
AT. 103 O	X	0.0028	-0.0008	0.0033	0.0039	0.0028	0.0045
	Y	0.0041	0.0078	-0.0012	-0.0072	0.0150	0.0063
	Z	0.0092	0.0046	-0.0021	-0.0093	0.0153	-0.0012
AT. 104 O	X	0.0028	0.0008	0.0033	-0.0039	-0.0028	0.0045
	Y	0.0041	-0.0078	-0.0012	0.0072	-0.0150	0.0063

	Z	-0.0092	0.0046	0.0021	-0.0093	0.0153	0.0012
AT. 105 O	X	0.0028	-0.0008	0.0033	0.0039	0.0028	-0.0045
	Y	-0.0041	-0.0078	0.0012	0.0072	-0.0150	0.0063
	Z	-0.0092	-0.0046	0.0021	0.0093	-0.0153	-0.0012
AT. 106 O	X	0.0028	0.0008	0.0033	-0.0039	-0.0028	-0.0045
	Y	-0.0041	0.0078	0.0012	-0.0072	0.0150	0.0063
	Z	0.0092	-0.0046	-0.0021	0.0093	-0.0153	0.0012
AT. 107 O	X	0.0028	-0.0008	0.0033	0.0039	-0.0028	-0.0045
	Y	0.0041	0.0078	-0.0012	-0.0072	-0.0150	-0.0063
	Z	0.0092	0.0046	-0.0021	-0.0093	-0.0153	0.0012
AT. 108 O	X	0.0028	0.0008	0.0033	-0.0039	0.0028	-0.0045
	Y	0.0041	-0.0078	-0.0012	0.0072	0.0150	-0.0063
	Z	-0.0092	0.0046	0.0021	-0.0093	-0.0153	-0.0012
AT. 109 O	X	0.0025	0.0001	-0.0002	0.0011	-0.0054	0.0036
	Y	-0.0067	-0.0155	-0.0090	0.0053	0.0100	0.0026
	Z	0.0052	-0.0064	-0.0028	0.0051	0.0165	-0.0034
AT. 110 O	X	0.0025	-0.0001	-0.0002	-0.0011	0.0054	0.0036
	Y	-0.0067	0.0155	-0.0090	-0.0053	-0.0100	0.0026
	Z	-0.0052	-0.0064	0.0028	0.0051	0.0165	0.0034
AT. 111 O	X	0.0025	0.0001	-0.0002	0.0011	0.0054	0.0036
	Y	0.0067	0.0155	0.0090	-0.0053	0.0100	-0.0026
	Z	-0.0052	0.0064	0.0028	-0.0051	0.0165	0.0034
AT. 112 O	X	0.0025	-0.0001	-0.0002	-0.0011	-0.0054	0.0036
	Y	0.0067	-0.0155	0.0090	0.0053	-0.0100	-0.0026
	Z	0.0052	0.0064	-0.0028	-0.0051	0.0165	-0.0034
AT. 113 O	X	0.0025	0.0001	-0.0002	0.0011	0.0054	-0.0036
	Y	-0.0067	-0.0155	-0.0090	0.0053	-0.0100	-0.0026
	Z	0.0052	-0.0064	-0.0028	0.0051	-0.0165	0.0034
AT. 114 O	X	0.0025	-0.0001	-0.0002	-0.0011	-0.0054	-0.0036
	Y	-0.0067	0.0155	-0.0090	-0.0053	0.0100	-0.0026
	Z	-0.0052	-0.0064	0.0028	0.0051	-0.0165	-0.0034
AT. 115 O	X	0.0025	0.0001	-0.0002	0.0011	-0.0054	-0.0036
	Y	0.0067	0.0155	0.0090	-0.0053	-0.0100	0.0026
	Z	-0.0052	0.0064	0.0028	-0.0051	-0.0165	-0.0034
AT. 116 O	X	0.0025	-0.0001	-0.0002	-0.0011	0.0054	-0.0036
	Y	0.0067	-0.0155	0.0090	0.0053	0.0100	0.0026
	Z	0.0052	0.0064	-0.0028	-0.0051	-0.0165	0.0034
AT. 117 O	X	-0.0010	-0.0068	0.0038	0.0127	0.0081	-0.0035
	Y	-0.0047	-0.0022	0.0010	-0.0026	0.0047	0.0084
	Z	-0.0068	0.0049	-0.0006	-0.0085	-0.0039	-0.0033
AT. 118 O	X	-0.0010	0.0068	0.0038	-0.0127	-0.0081	-0.0035
	Y	-0.0047	0.0022	0.0010	0.0026	-0.0047	0.0084
	Z	0.0068	0.0049	0.0006	-0.0085	-0.0039	0.0033
AT. 119 O	X	-0.0010	-0.0068	0.0038	0.0127	-0.0081	-0.0035
	Y	0.0047	0.0022	-0.0010	0.0026	0.0047	-0.0084
	Z	0.0068	-0.0049	0.0006	0.0085	-0.0039	0.0033
AT. 120 O	X	-0.0010	0.0068	0.0038	-0.0127	0.0081	-0.0035
	Y	0.0047	-0.0022	-0.0010	-0.0026	-0.0047	-0.0084
	Z	-0.0068	-0.0049	-0.0006	0.0085	-0.0039	-0.0033
AT. 121 O	X	-0.0010	-0.0068	0.0038	0.0127	-0.0081	0.0035
	Y	-0.0047	-0.0022	0.0010	-0.0026	-0.0047	-0.0084
	Z	-0.0068	0.0049	-0.0006	-0.0085	0.0039	0.0033
AT. 122 O	X	-0.0010	0.0068	0.0038	-0.0127	0.0081	0.0035
	Y	-0.0047	0.0022	0.0010	0.0026	0.0047	-0.0084
	Z	0.0068	0.0049	0.0006	-0.0085	0.0039	-0.0033
AT. 123 O	X	-0.0010	-0.0068	0.0038	0.0127	0.0081	0.0035
	Y	0.0047	0.0022	-0.0010	0.0026	-0.0047	0.0084
	Z	0.0068	-0.0049	0.0006	0.0085	0.0039	-0.0033
AT. 124 O	X	-0.0010	0.0068	0.0038	-0.0127	-0.0081	0.0035
	Y	0.0047	-0.0022	-0.0010	-0.0026	0.0047	0.0084
	Z	-0.0068	-0.0049	-0.0006	0.0085	0.0039	0.0033

FREQ(CM**-1)			201.91	201.93	202.97	204.70	205.00	208.33
AT.	1 SI	X	0.0046	0.0041	0.0033	0.0022	0.0046	-0.0051
		Y	-0.0029	0.0056	-0.0094	0.0004	-0.0056	0.0052
		Z	0.0069	-0.0068	-0.0043	-0.0060	0.0026	0.0067
AT.	2 SI	X	-0.0046	-0.0041	-0.0033	0.0022	0.0046	-0.0051
		Y	0.0029	-0.0056	0.0094	0.0004	-0.0056	0.0052
		Z	0.0069	-0.0068	-0.0043	0.0060	-0.0026	-0.0067
AT.	3 SI	X	-0.0046	-0.0041	0.0033	-0.0022	-0.0046	-0.0051
		Y	-0.0029	0.0056	0.0094	0.0004	-0.0056	-0.0052
		Z	0.0069	-0.0068	0.0043	-0.0060	0.0026	-0.0067
AT.	4 SI	X	0.0046	0.0041	-0.0033	-0.0022	-0.0046	-0.0051
		Y	0.0029	-0.0056	-0.0094	0.0004	-0.0056	-0.0052
		Z	0.0069	-0.0068	0.0043	0.0060	-0.0026	0.0067
AT.	5 SI	X	0.0046	-0.0041	-0.0033	-0.0022	0.0046	0.0051
		Y	-0.0029	-0.0056	0.0094	-0.0004	-0.0056	-0.0052
		Z	0.0069	0.0068	0.0043	0.0060	0.0026	-0.0067
AT.	6 SI	X	-0.0046	0.0041	0.0033	-0.0022	0.0046	0.0051
		Y	0.0029	0.0056	-0.0094	-0.0004	-0.0056	-0.0052
		Z	0.0069	0.0068	0.0043	-0.0060	-0.0026	0.0067
AT.	7 SI	X	-0.0046	0.0041	-0.0033	0.0022	-0.0046	0.0051
		Y	-0.0029	-0.0056	-0.0094	-0.0004	-0.0056	0.0052
		Z	0.0069	0.0068	-0.0043	0.0060	0.0026	0.0067
AT.	8 SI	X	0.0046	-0.0041	0.0033	0.0022	-0.0046	0.0051
		Y	0.0029	0.0056	0.0094	-0.0004	-0.0056	0.0052
		Z	0.0069	0.0068	-0.0043	-0.0060	-0.0026	-0.0067
AT.	9 SI	X	-0.0007	0.0070	0.0055	0.0040	0.0106	0.0000
		Y	0.0008	0.0063	0.0110	0.0168	0.0001	0.0084
		Z	0.0077	0.0056	0.0031	0.0020	-0.0064	0.0030
AT.	10 SI	X	0.0007	-0.0070	-0.0055	0.0040	0.0106	0.0000
		Y	-0.0008	-0.0063	-0.0110	0.0168	0.0001	0.0084
		Z	0.0077	0.0056	0.0031	-0.0020	0.0064	-0.0030
AT.	11 SI	X	0.0007	-0.0070	0.0055	-0.0040	-0.0106	0.0000
		Y	0.0008	0.0063	-0.0110	0.0168	0.0001	-0.0084
		Z	0.0077	0.0056	-0.0031	0.0020	-0.0064	-0.0030
AT.	12 SI	X	-0.0007	0.0070	-0.0055	-0.0040	-0.0106	0.0000
		Y	-0.0008	-0.0063	0.0110	0.0168	0.0001	-0.0084
		Z	0.0077	0.0056	-0.0031	-0.0020	0.0064	0.0030
AT.	13 SI	X	-0.0007	-0.0070	-0.0055	-0.0040	0.0106	0.0000
		Y	0.0008	-0.0063	-0.0110	-0.0168	0.0001	-0.0084
		Z	0.0077	-0.0056	-0.0031	-0.0020	-0.0064	-0.0030
AT.	14 SI	X	0.0007	0.0070	0.0055	-0.0040	0.0106	0.0000
		Y	-0.0008	0.0063	0.0110	-0.0168	0.0001	-0.0084
		Z	0.0077	-0.0056	-0.0031	0.0020	0.0064	0.0030
AT.	15 SI	X	0.0007	0.0070	-0.0055	0.0040	-0.0106	0.0000
		Y	0.0008	-0.0063	0.0110	-0.0168	0.0001	0.0084
		Z	0.0077	-0.0056	0.0031	-0.0020	-0.0064	0.0030
AT.	16 SI	X	-0.0007	-0.0070	0.0055	0.0040	-0.0106	0.0000
		Y	-0.0008	0.0063	-0.0110	-0.0168	0.0001	0.0084
		Z	0.0077	-0.0056	0.0031	0.0020	0.0064	-0.0030
AT.	17 SI	X	0.0039	-0.0126	0.0000	0.0000	0.0000	0.0046
		Y	0.0000	0.0000	-0.0164	0.0078	-0.0054	0.0000
		Z	-0.0011	-0.0024	0.0000	0.0000	0.0000	-0.0167
AT.	18 SI	X	-0.0039	0.0126	0.0000	0.0000	0.0000	0.0046
		Y	0.0000	0.0000	0.0164	0.0078	-0.0054	0.0000
		Z	-0.0011	-0.0024	0.0000	0.0000	0.0000	0.0167
AT.	19 SI	X	0.0039	0.0126	0.0000	0.0000	0.0000	-0.0046
		Y	0.0000	0.0000	0.0164	-0.0078	-0.0054	0.0000
		Z	-0.0011	0.0024	0.0000	0.0000	0.0000	0.0167
AT.	20 SI	X	-0.0039	-0.0126	0.0000	0.0000	0.0000	-0.0046

	Y	0.0000	0.0000	-0.0164	-0.0078	-0.0054	0.0000
	Z	-0.0011	0.0024	0.0000	0.0000	0.0000	-0.0167
AT. 21	CA X	-0.0038	-0.0140	-0.0016	-0.0095	-0.0180	-0.0090
	Y	-0.0020	0.0077	-0.0075	0.0056	0.0044	0.0115
	Z	-0.0179	-0.0030	0.0029	-0.0168	0.0125	0.0037
AT. 22	CA X	0.0038	0.0140	0.0016	-0.0095	-0.0180	-0.0090
	Y	0.0020	-0.0077	0.0075	0.0056	0.0044	0.0115
	Z	-0.0179	-0.0030	0.0029	0.0168	-0.0125	-0.0037
AT. 23	CA X	0.0038	0.0140	-0.0016	0.0095	0.0180	-0.0090
	Y	-0.0020	0.0077	0.0075	0.0056	0.0044	-0.0115
	Z	-0.0179	-0.0030	-0.0029	-0.0168	0.0125	-0.0037
AT. 24	CA X	-0.0038	-0.0140	0.0016	0.0095	0.0180	-0.0090
	Y	0.0020	-0.0077	-0.0075	0.0056	0.0044	-0.0115
	Z	-0.0179	-0.0030	-0.0029	0.0168	-0.0125	0.0037
AT. 25	CA X	-0.0038	0.0140	0.0016	0.0095	-0.0180	0.0090
	Y	-0.0020	-0.0077	0.0075	-0.0056	0.0044	-0.0115
	Z	-0.0179	0.0030	-0.0029	0.0168	0.0125	-0.0037
AT. 26	CA X	0.0038	-0.0140	-0.0016	0.0095	-0.0180	0.0090
	Y	0.0020	0.0077	-0.0075	-0.0056	0.0044	-0.0115
	Z	-0.0179	0.0030	-0.0029	-0.0168	-0.0125	0.0037
AT. 27	CA X	0.0038	-0.0140	0.0016	-0.0095	0.0180	0.0090
	Y	-0.0020	-0.0077	-0.0075	-0.0056	0.0044	0.0115
	Z	-0.0179	0.0030	0.0029	0.0168	0.0125	0.0037
AT. 28	CA X	-0.0038	0.0140	-0.0016	-0.0095	0.0180	0.0090
	Y	0.0020	0.0077	0.0075	-0.0056	0.0044	0.0115
	Z	-0.0179	0.0030	0.0029	-0.0168	-0.0125	-0.0037
AT. 29	CA X	0.0044	0.0000	0.0000	0.0000	0.0029	0.0000
	Y	0.0212	0.0000	0.0000	0.0000	-0.0025	0.0000
	Z	0.0048	0.0000	0.0000	0.0000	-0.0035	0.0000
AT. 30	CA X	-0.0044	0.0000	0.0000	0.0000	0.0029	0.0000
	Y	-0.0212	0.0000	0.0000	0.0000	-0.0025	0.0000
	Z	0.0048	0.0000	0.0000	0.0000	0.0035	0.0000
AT. 31	CA X	-0.0044	0.0000	0.0000	0.0000	-0.0029	0.0000
	Y	0.0212	0.0000	0.0000	0.0000	-0.0025	0.0000
	Z	0.0048	0.0000	0.0000	0.0000	-0.0035	0.0000
AT. 32	CA X	0.0044	0.0000	0.0000	0.0000	-0.0029	0.0000
	Y	-0.0212	0.0000	0.0000	0.0000	-0.0025	0.0000
	Z	0.0048	0.0000	0.0000	0.0000	0.0035	0.0000
AT. 33	CA X	-0.0002	0.0186	-0.0036	0.0134	-0.0061	-0.0018
	Y	-0.0128	-0.0152	0.0022	-0.0066	0.0096	-0.0218
	Z	0.0076	0.0055	-0.0039	0.0069	-0.0077	0.0020
AT. 34	CA X	0.0002	-0.0186	0.0036	0.0134	-0.0061	-0.0018
	Y	0.0128	0.0152	-0.0022	-0.0066	0.0096	-0.0218
	Z	0.0076	0.0055	-0.0039	-0.0069	0.0077	-0.0020
AT. 35	CA X	0.0002	-0.0186	-0.0036	-0.0134	0.0061	-0.0018
	Y	-0.0128	-0.0152	-0.0022	-0.0066	0.0096	0.0218
	Z	0.0076	0.0055	0.0039	0.0069	-0.0077	-0.0020
AT. 36	CA X	-0.0002	0.0186	0.0036	-0.0134	0.0061	-0.0018
	Y	0.0128	0.0152	0.0022	-0.0066	0.0096	0.0218
	Z	0.0076	0.0055	0.0039	-0.0069	0.0077	0.0020
AT. 37	CA X	-0.0002	-0.0186	0.0036	-0.0134	-0.0061	0.0018
	Y	-0.0128	0.0152	-0.0022	0.0066	0.0096	0.0218
	Z	0.0076	-0.0055	0.0039	-0.0069	-0.0077	-0.0020
AT. 38	CA X	0.0002	0.0186	-0.0036	-0.0134	-0.0061	0.0018
	Y	0.0128	-0.0152	0.0022	0.0066	0.0096	0.0218
	Z	0.0076	-0.0055	0.0039	0.0069	0.0077	0.0020
AT. 39	CA X	0.0002	0.0186	0.0036	0.0134	0.0061	0.0018
	Y	-0.0128	0.0152	0.0022	0.0066	0.0096	-0.0218
	Z	0.0076	-0.0055	-0.0039	-0.0069	-0.0077	0.0020
AT. 40	CA X	-0.0002	-0.0186	-0.0036	0.0134	0.0061	0.0018
	Y	0.0128	-0.0152	-0.0022	0.0066	0.0096	-0.0218

		Z	0.0076	-0.0055	-0.0039	0.0069	0.0077	-0.0020
AT.	41	CA X	-0.0086	-0.0160	-0.0139	-0.0095	-0.0197	0.0098
		Y	0.0036	0.0096	0.0146	0.0009	0.0082	-0.0086
		Z	-0.0181	-0.0008	-0.0034	-0.0084	-0.0004	-0.0046
AT.	42	CA X	0.0086	0.0160	0.0139	-0.0095	-0.0197	0.0098
		Y	-0.0036	-0.0096	-0.0146	0.0009	0.0082	-0.0086
		Z	-0.0181	-0.0008	-0.0034	0.0084	0.0004	0.0046
AT.	43	CA X	0.0086	0.0160	-0.0139	0.0095	0.0197	0.0098
		Y	0.0036	0.0096	-0.0146	0.0009	0.0082	0.0086
		Z	-0.0181	-0.0008	0.0034	-0.0084	-0.0004	0.0046
AT.	44	CA X	-0.0086	-0.0160	0.0139	0.0095	0.0197	0.0098
		Y	-0.0036	-0.0096	0.0146	0.0009	0.0082	0.0086
		Z	-0.0181	-0.0008	0.0034	0.0084	0.0004	-0.0046
AT.	45	CA X	-0.0086	0.0160	0.0139	0.0095	-0.0197	-0.0098
		Y	0.0036	-0.0096	-0.0146	-0.0009	0.0082	0.0086
		Z	-0.0181	0.0008	0.0034	0.0084	-0.0004	0.0046
AT.	46	CA X	0.0086	-0.0160	-0.0139	0.0095	-0.0197	-0.0098
		Y	-0.0036	0.0096	0.0146	-0.0009	0.0082	0.0086
		Z	-0.0181	0.0008	0.0034	-0.0084	0.0004	-0.0046
AT.	47	CA X	0.0086	-0.0160	0.0139	-0.0095	0.0197	-0.0098
		Y	0.0036	-0.0096	0.0146	-0.0009	0.0082	-0.0086
		Z	-0.0181	0.0008	-0.0034	0.0084	-0.0004	-0.0046
AT.	48	CA X	-0.0086	0.0160	-0.0139	-0.0095	0.0197	-0.0098
		Y	-0.0036	0.0096	-0.0146	-0.0009	0.0082	-0.0086
		Z	-0.0181	0.0008	-0.0034	-0.0084	0.0004	0.0046
AT.	49	CA X	-0.0078	0.0013	0.0000	0.0000	0.0000	-0.0044
		Y	0.0000	0.0000	-0.0185	0.0025	-0.0052	0.0000
		Z	-0.0062	-0.0021	0.0000	0.0000	0.0000	0.0113
AT.	50	CA X	0.0078	-0.0013	0.0000	0.0000	0.0000	-0.0044
		Y	0.0000	0.0000	0.0185	0.0025	-0.0052	0.0000
		Z	-0.0062	-0.0021	0.0000	0.0000	0.0000	-0.0113
AT.	51	CA X	-0.0078	-0.0013	0.0000	0.0000	0.0000	0.0044
		Y	0.0000	0.0000	0.0185	-0.0025	-0.0052	0.0000
		Z	-0.0062	0.0021	0.0000	0.0000	0.0000	-0.0113
AT.	52	CA X	0.0078	0.0013	0.0000	0.0000	0.0000	0.0044
		Y	0.0000	0.0000	-0.0185	-0.0025	-0.0052	0.0000
		Z	-0.0062	0.0021	0.0000	0.0000	0.0000	0.0113
AT.	53	O X	0.0040	0.0055	0.0012	0.0038	-0.0006	-0.0076
		Y	-0.0022	0.0040	-0.0076	-0.0002	-0.0025	0.0045
		Z	0.0046	-0.0113	-0.0039	-0.0138	0.0012	0.0018
AT.	54	O X	-0.0040	-0.0055	-0.0012	0.0038	-0.0006	-0.0076
		Y	0.0022	-0.0040	0.0076	-0.0002	-0.0025	0.0045
		Z	0.0046	-0.0113	-0.0039	0.0138	-0.0012	-0.0018
AT.	55	O X	-0.0040	-0.0055	0.0012	-0.0038	0.0006	-0.0076
		Y	-0.0022	0.0040	0.0076	-0.0002	-0.0025	-0.0045
		Z	0.0046	-0.0113	0.0039	-0.0138	0.0012	-0.0018
AT.	56	O X	0.0040	0.0055	-0.0012	-0.0038	0.0006	-0.0076
		Y	0.0022	-0.0040	-0.0076	-0.0002	-0.0025	-0.0045
		Z	0.0046	-0.0113	0.0039	0.0138	-0.0012	0.0018
AT.	57	O X	0.0040	-0.0055	-0.0012	-0.0038	-0.0006	0.0076
		Y	-0.0022	-0.0040	0.0076	0.0002	-0.0025	-0.0045
		Z	0.0046	0.0113	0.0039	0.0138	0.0012	-0.0018
AT.	58	O X	-0.0040	0.0055	0.0012	-0.0038	-0.0006	0.0076
		Y	0.0022	0.0040	-0.0076	0.0002	-0.0025	-0.0045
		Z	0.0046	0.0113	0.0039	-0.0138	-0.0012	0.0018
AT.	59	O X	-0.0040	0.0055	-0.0012	0.0038	0.0006	0.0076
		Y	-0.0022	-0.0040	-0.0076	0.0002	-0.0025	0.0045
		Z	0.0046	0.0113	-0.0039	0.0138	0.0012	0.0018
AT.	60	O X	0.0040	-0.0055	0.0012	0.0038	0.0006	0.0076
		Y	0.0022	0.0040	0.0076	0.0002	-0.0025	0.0045
		Z	0.0046	0.0113	-0.0039	-0.0138	-0.0012	-0.0018

AT.	61	O	X	-0.0094	0.0021	0.0024	0.0002	0.0032	-0.0092
			Y	-0.0022	-0.0054	-0.0079	-0.0106	-0.0060	0.0014
			Z	-0.0017	-0.0019	-0.0043	-0.0011	0.0024	0.0060
AT.	62	O	X	0.0094	-0.0021	-0.0024	0.0002	0.0032	-0.0092
			Y	0.0022	0.0054	0.0079	-0.0106	-0.0060	0.0014
			Z	-0.0017	-0.0019	-0.0043	0.0011	-0.0024	-0.0060
AT.	63	O	X	0.0094	-0.0021	0.0024	-0.0002	-0.0032	-0.0092
			Y	-0.0022	-0.0054	0.0079	-0.0106	-0.0060	-0.0014
			Z	-0.0017	-0.0019	0.0043	-0.0011	0.0024	-0.0060
AT.	64	O	X	-0.0094	0.0021	-0.0024	-0.0002	-0.0032	-0.0092
			Y	0.0022	0.0054	-0.0079	-0.0106	-0.0060	-0.0014
			Z	-0.0017	-0.0019	0.0043	0.0011	-0.0024	0.0060
AT.	65	O	X	-0.0094	-0.0021	-0.0024	-0.0002	0.0032	0.0092
			Y	-0.0022	0.0054	0.0079	0.0106	-0.0060	-0.0014
			Z	-0.0017	0.0019	0.0043	0.0011	0.0024	-0.0060
AT.	66	O	X	0.0094	0.0021	0.0024	-0.0002	0.0032	0.0092
			Y	0.0022	-0.0054	-0.0079	0.0106	-0.0060	-0.0014
			Z	-0.0017	0.0019	0.0043	-0.0011	-0.0024	0.0060
AT.	67	O	X	0.0094	0.0021	-0.0024	0.0002	-0.0032	0.0092
			Y	-0.0022	0.0054	-0.0079	0.0106	-0.0060	0.0014
			Z	-0.0017	0.0019	-0.0043	0.0011	0.0024	0.0060
AT.	68	O	X	-0.0094	-0.0021	0.0024	0.0002	-0.0032	0.0092
			Y	0.0022	-0.0054	0.0079	0.0106	-0.0060	0.0014
			Z	-0.0017	0.0019	-0.0043	-0.0011	-0.0024	-0.0060
AT.	69	O	X	0.0148	0.0005	0.0060	-0.0031	0.0007	0.0002
			Y	-0.0036	0.0086	-0.0071	0.0085	-0.0026	0.0052
			Z	0.0006	-0.0028	-0.0041	0.0021	0.0070	0.0040
AT.	70	O	X	-0.0148	-0.0005	-0.0060	-0.0031	0.0007	0.0002
			Y	0.0036	-0.0086	0.0071	0.0085	-0.0026	0.0052
			Z	0.0006	-0.0028	-0.0041	-0.0021	-0.0070	-0.0040
AT.	71	O	X	-0.0148	-0.0005	0.0060	0.0031	-0.0007	0.0002
			Y	-0.0036	0.0086	0.0071	0.0085	-0.0026	-0.0052
			Z	0.0006	-0.0028	0.0041	0.0021	0.0070	-0.0040
AT.	72	O	X	0.0148	0.0005	-0.0060	0.0031	-0.0007	0.0002
			Y	0.0036	-0.0086	-0.0071	0.0085	-0.0026	-0.0052
			Z	0.0006	-0.0028	0.0041	-0.0021	-0.0070	0.0040
AT.	73	O	X	0.0148	-0.0005	-0.0060	0.0031	0.0007	-0.0002
			Y	-0.0036	-0.0086	0.0071	-0.0085	-0.0026	-0.0052
			Z	0.0006	0.0028	0.0041	-0.0021	0.0070	-0.0040
AT.	74	O	X	-0.0148	0.0005	0.0060	0.0031	0.0007	-0.0002
			Y	0.0036	0.0086	-0.0071	-0.0085	-0.0026	-0.0052
			Z	0.0006	0.0028	0.0041	0.0021	-0.0070	0.0040
AT.	75	O	X	-0.0148	0.0005	-0.0060	-0.0031	-0.0007	-0.0002
			Y	-0.0036	-0.0086	-0.0071	-0.0085	-0.0026	0.0052
			Z	0.0006	0.0028	-0.0041	-0.0021	0.0070	0.0040
AT.	76	O	X	0.0148	-0.0005	0.0060	-0.0031	-0.0007	-0.0002
			Y	0.0036	0.0086	0.0071	-0.0085	-0.0026	0.0052
			Z	0.0006	0.0028	-0.0041	0.0021	-0.0070	-0.0040
AT.	77	O	X	0.0041	0.0039	0.0031	0.0017	0.0035	-0.0055
			Y	0.0004	0.0045	-0.0037	0.0034	-0.0056	0.0007
			Z	0.0191	-0.0078	-0.0002	-0.0060	0.0011	0.0106
AT.	78	O	X	-0.0041	-0.0039	-0.0031	0.0017	0.0035	-0.0055
			Y	-0.0004	-0.0045	0.0037	0.0034	-0.0056	0.0007
			Z	0.0191	-0.0078	-0.0002	0.0060	-0.0011	-0.0106
AT.	79	O	X	-0.0041	-0.0039	0.0031	-0.0017	-0.0035	-0.0055
			Y	0.0004	0.0045	0.0037	0.0034	-0.0056	-0.0007
			Z	0.0191	-0.0078	0.0002	-0.0060	0.0011	-0.0106
AT.	80	O	X	0.0041	0.0039	-0.0031	-0.0017	-0.0035	-0.0055
			Y	-0.0004	-0.0045	-0.0037	0.0034	-0.0056	-0.0007
			Z	0.0191	-0.0078	0.0002	0.0060	-0.0011	0.0106
AT.	81	O	X	0.0041	-0.0039	-0.0031	-0.0017	0.0035	0.0055

	Y	0.0004	-0.0045	0.0037	-0.0034	-0.0056	-0.0007
	Z	0.0191	0.0078	0.0002	0.0060	0.0011	-0.0106
AT. 82 O	X	-0.0041	0.0039	0.0031	-0.0017	0.0035	0.0055
	Y	-0.0004	0.0045	-0.0037	-0.0034	-0.0056	-0.0007
	Z	0.0191	0.0078	0.0002	-0.0060	-0.0011	0.0106
AT. 83 O	X	-0.0041	0.0039	-0.0031	0.0017	-0.0035	0.0055
	Y	0.0004	-0.0045	-0.0037	-0.0034	-0.0056	0.0007
	Z	0.0191	0.0078	-0.0002	0.0060	0.0011	0.0106
AT. 84 O	X	0.0041	-0.0039	0.0031	0.0017	-0.0035	0.0055
	Y	-0.0004	0.0045	0.0037	-0.0034	-0.0056	0.0007
	Z	0.0191	0.0078	-0.0002	-0.0060	-0.0011	-0.0106
AT. 85 O	X	-0.0071	0.0025	0.0059	-0.0007	0.0175	-0.0012
	Y	0.0039	0.0109	0.0201	0.0219	0.0030	0.0183
	Z	0.0021	-0.0007	-0.0036	-0.0038	-0.0043	-0.0041
AT. 86 O	X	0.0071	-0.0025	-0.0059	-0.0007	0.0175	-0.0012
	Y	-0.0039	-0.0109	-0.0201	0.0219	0.0030	0.0183
	Z	0.0021	-0.0007	-0.0036	0.0038	0.0043	0.0041
AT. 87 O	X	0.0071	-0.0025	0.0059	0.0007	-0.0175	-0.0012
	Y	0.0039	0.0109	-0.0201	0.0219	0.0030	-0.0183
	Z	0.0021	-0.0007	0.0036	-0.0038	-0.0043	0.0041
AT. 88 O	X	-0.0071	0.0025	-0.0059	0.0007	-0.0175	-0.0012
	Y	-0.0039	-0.0109	0.0201	0.0219	0.0030	-0.0183
	Z	0.0021	-0.0007	0.0036	0.0038	0.0043	-0.0041
AT. 89 O	X	-0.0071	-0.0025	-0.0059	0.0007	0.0175	0.0012
	Y	0.0039	-0.0109	-0.0201	-0.0219	0.0030	-0.0183
	Z	0.0021	0.0007	0.0036	0.0038	-0.0043	0.0041
AT. 90 O	X	0.0071	0.0025	0.0059	0.0007	0.0175	0.0012
	Y	-0.0039	0.0109	0.0201	-0.0219	0.0030	-0.0183
	Z	0.0021	0.0007	0.0036	-0.0038	0.0043	-0.0041
AT. 91 O	X	0.0071	0.0025	-0.0059	-0.0007	-0.0175	0.0012
	Y	0.0039	-0.0109	0.0201	-0.0219	0.0030	0.0183
	Z	0.0021	0.0007	-0.0036	0.0038	-0.0043	-0.0041
AT. 92 O	X	-0.0071	-0.0025	0.0059	-0.0007	-0.0175	0.0012
	Y	-0.0039	0.0109	-0.0201	-0.0219	0.0030	0.0183
	Z	0.0021	0.0007	-0.0036	-0.0038	0.0043	0.0041
AT. 93 O	X	-0.0025	0.0102	0.0092	0.0092	0.0049	0.0017
	Y	0.0017	0.0035	0.0075	0.0122	0.0014	0.0054
	Z	0.0077	0.0110	0.0142	0.0101	0.0016	0.0093
AT. 94 O	X	0.0025	-0.0102	-0.0092	0.0092	0.0049	0.0017
	Y	-0.0017	-0.0035	-0.0075	0.0122	0.0014	0.0054
	Z	0.0077	0.0110	0.0142	-0.0101	-0.0016	-0.0093
AT. 95 O	X	0.0025	-0.0102	0.0092	-0.0092	-0.0049	0.0017
	Y	0.0017	0.0035	-0.0075	0.0122	0.0014	-0.0054
	Z	0.0077	0.0110	-0.0142	0.0101	0.0016	-0.0093
AT. 96 O	X	-0.0025	0.0102	-0.0092	-0.0092	-0.0049	0.0017
	Y	-0.0017	-0.0035	0.0075	0.0122	0.0014	-0.0054
	Z	0.0077	0.0110	-0.0142	-0.0101	-0.0016	0.0093
AT. 97 O	X	-0.0025	-0.0102	-0.0092	-0.0092	0.0049	-0.0017
	Y	0.0017	-0.0035	-0.0075	-0.0122	0.0014	-0.0054
	Z	0.0077	-0.0110	-0.0142	-0.0101	0.0016	-0.0093
AT. 98 O	X	0.0025	0.0102	0.0092	-0.0092	0.0049	-0.0017
	Y	-0.0017	0.0035	0.0075	-0.0122	0.0014	-0.0054
	Z	0.0077	-0.0110	-0.0142	0.0101	-0.0016	0.0093
AT. 99 O	X	0.0025	0.0102	-0.0092	0.0092	-0.0049	-0.0017
	Y	0.0017	-0.0035	0.0075	-0.0122	0.0014	0.0054
	Z	0.0077	-0.0110	0.0142	-0.0101	0.0016	0.0093
AT. 100 O	X	-0.0025	-0.0102	0.0092	0.0092	-0.0049	-0.0017
	Y	-0.0017	0.0035	-0.0075	-0.0122	0.0014	0.0054
	Z	0.0077	-0.0110	0.0142	0.0101	-0.0016	-0.0093
AT. 101 O	X	0.0075	-0.0010	-0.0065	-0.0006	-0.0004	0.0089
	Y	-0.0005	-0.0077	-0.0121	0.0046	-0.0055	0.0030

	Z	0.0025	-0.0012	-0.0072	-0.0036	-0.0029	-0.0061
AT. 102 O	X	-0.0075	0.0010	0.0065	-0.0006	-0.0004	0.0089
	Y	0.0005	0.0077	0.0121	0.0046	-0.0055	0.0030
	Z	0.0025	-0.0012	-0.0072	0.0036	0.0029	0.0061
AT. 103 O	X	-0.0075	0.0010	-0.0065	0.0006	0.0004	0.0089
	Y	-0.0005	-0.0077	0.0121	0.0046	-0.0055	-0.0030
	Z	0.0025	-0.0012	0.0072	-0.0036	-0.0029	0.0061
AT. 104 O	X	0.0075	-0.0010	0.0065	0.0006	0.0004	0.0089
	Y	0.0005	0.0077	-0.0121	0.0046	-0.0055	-0.0030
	Z	0.0025	-0.0012	0.0072	0.0036	0.0029	-0.0061
AT. 105 O	X	0.0075	0.0010	0.0065	0.0006	-0.0004	-0.0089
	Y	-0.0005	0.0077	0.0121	-0.0046	-0.0055	-0.0030
	Z	0.0025	0.0012	0.0072	0.0036	-0.0029	0.0061
AT. 106 O	X	-0.0075	-0.0010	-0.0065	0.0006	-0.0004	-0.0089
	Y	0.0005	-0.0077	-0.0121	-0.0046	-0.0055	-0.0030
	Z	0.0025	0.0012	0.0072	-0.0036	0.0029	-0.0061
AT. 107 O	X	-0.0075	-0.0010	0.0065	-0.0006	0.0004	-0.0089
	Y	-0.0005	0.0077	-0.0121	-0.0046	-0.0055	0.0030
	Z	0.0025	0.0012	-0.0072	0.0036	-0.0029	-0.0061
AT. 108 O	X	0.0075	0.0010	-0.0065	-0.0006	0.0004	-0.0089
	Y	0.0005	-0.0077	0.0121	-0.0046	-0.0055	0.0030
	Z	0.0025	0.0012	-0.0072	-0.0036	0.0029	0.0061
AT. 109 O	X	-0.0007	0.0069	0.0049	0.0045	0.0104	0.0017
	Y	0.0004	0.0025	0.0067	0.0118	-0.0056	-0.0018
	Z	0.0159	0.0078	-0.0042	0.0101	-0.0212	0.0090
AT. 110 O	X	0.0007	-0.0069	-0.0049	0.0045	0.0104	0.0017
	Y	-0.0004	-0.0025	-0.0067	0.0118	-0.0056	-0.0018
	Z	0.0159	0.0078	-0.0042	-0.0101	0.0212	-0.0090
AT. 111 O	X	0.0007	-0.0069	0.0049	-0.0045	-0.0104	0.0017
	Y	0.0004	0.0025	-0.0067	0.0118	-0.0056	0.0018
	Z	0.0159	0.0078	0.0042	0.0101	-0.0212	-0.0090
AT. 112 O	X	-0.0007	0.0069	-0.0049	-0.0045	-0.0104	0.0017
	Y	-0.0004	-0.0025	0.0067	0.0118	-0.0056	0.0018
	Z	0.0159	0.0078	0.0042	-0.0101	0.0212	0.0090
AT. 113 O	X	-0.0007	-0.0069	-0.0049	-0.0045	0.0104	-0.0017
	Y	0.0004	-0.0025	-0.0067	-0.0118	-0.0056	0.0018
	Z	0.0159	-0.0078	0.0042	-0.0101	-0.0212	-0.0090
AT. 114 O	X	0.0007	0.0069	0.0049	-0.0045	0.0104	-0.0017
	Y	-0.0004	0.0025	0.0067	-0.0118	-0.0056	0.0018
	Z	0.0159	-0.0078	0.0042	0.0101	0.0212	0.0090
AT. 115 O	X	0.0007	0.0069	-0.0049	0.0045	-0.0104	-0.0017
	Y	0.0004	-0.0025	0.0067	-0.0118	-0.0056	-0.0018
	Z	0.0159	-0.0078	-0.0042	-0.0101	-0.0212	0.0090
AT. 116 O	X	-0.0007	-0.0069	0.0049	0.0045	-0.0104	-0.0017
	Y	-0.0004	0.0025	-0.0067	-0.0118	-0.0056	-0.0018
	Z	0.0159	-0.0078	-0.0042	0.0101	0.0212	-0.0090
AT. 117 O	X	0.0006	-0.0126	-0.0190	-0.0101	-0.0033	0.0093
	Y	0.0048	-0.0010	-0.0127	0.0044	-0.0080	-0.0007
	Z	-0.0026	-0.0010	0.0161	0.0120	0.0064	-0.0188
AT. 118 O	X	-0.0006	0.0126	0.0190	-0.0101	-0.0033	0.0093
	Y	-0.0048	0.0010	0.0127	0.0044	-0.0080	-0.0007
	Z	-0.0026	-0.0010	0.0161	-0.0120	-0.0064	0.0188
AT. 119 O	X	-0.0006	0.0126	-0.0190	0.0101	0.0033	0.0093
	Y	0.0048	-0.0010	0.0127	0.0044	-0.0080	0.0007
	Z	-0.0026	-0.0010	-0.0161	0.0120	0.0064	0.0188
AT. 120 O	X	0.0006	-0.0126	0.0190	0.0101	0.0033	0.0093
	Y	-0.0048	0.0010	-0.0127	0.0044	-0.0080	0.0007
	Z	-0.0026	-0.0010	-0.0161	-0.0120	-0.0064	-0.0188
AT. 121 O	X	0.0006	0.0126	0.0190	0.0101	-0.0033	-0.0093
	Y	0.0048	0.0010	0.0127	-0.0044	-0.0080	0.0007
	Z	-0.0026	0.0010	-0.0161	-0.0120	0.0064	0.0188

AT. 122 O	X	-0.0006	-0.0126	-0.0190	0.0101	-0.0033	-0.0093
	Y	-0.0048	-0.0010	-0.0127	-0.0044	-0.0080	0.0007
	Z	-0.0026	0.0010	-0.0161	0.0120	-0.0064	-0.0188
AT. 123 O	X	-0.0006	-0.0126	0.0190	-0.0101	0.0033	-0.0093
	Y	0.0048	0.0010	-0.0127	-0.0044	-0.0080	-0.0007
	Z	-0.0026	0.0010	0.0161	-0.0120	0.0064	-0.0188
AT. 124 O	X	0.0006	0.0126	-0.0190	-0.0101	0.0033	-0.0093
	Y	-0.0048	-0.0010	0.0127	-0.0044	-0.0080	-0.0007
	Z	-0.0026	0.0010	0.0161	0.0120	-0.0064	0.0188

FREQ(CM**-1)		209.62	210.30	210.37	211.89	212.94	213.14
AT. 1 SI	X	0.0062	0.0041	-0.0017	-0.0060	0.0023	-0.0045
	Y	0.0046	0.0000	0.0138	-0.0013	0.0103	0.0027
	Z	-0.0045	-0.0100	0.0001	0.0028	0.0014	-0.0057
AT. 2 SI	X	0.0062	-0.0041	0.0017	0.0060	0.0023	-0.0045
	Y	0.0046	0.0000	-0.0138	0.0013	0.0103	0.0027
	Z	0.0045	-0.0100	0.0001	0.0028	-0.0014	0.0057
AT. 3 SI	X	0.0062	0.0041	0.0017	-0.0060	-0.0023	0.0045
	Y	-0.0046	0.0000	0.0138	0.0013	0.0103	0.0027
	Z	0.0045	0.0100	0.0001	-0.0028	0.0014	-0.0057
AT. 4 SI	X	0.0062	-0.0041	-0.0017	0.0060	-0.0023	0.0045
	Y	-0.0046	0.0000	-0.0138	-0.0013	0.0103	0.0027
	Z	-0.0045	0.0100	0.0001	-0.0028	-0.0014	0.0057
AT. 5 SI	X	0.0062	-0.0041	-0.0017	-0.0060	-0.0023	-0.0045
	Y	0.0046	0.0000	0.0138	-0.0013	-0.0103	0.0027
	Z	-0.0045	0.0100	0.0001	0.0028	-0.0014	-0.0057
AT. 6 SI	X	0.0062	0.0041	0.0017	0.0060	-0.0023	-0.0045
	Y	0.0046	0.0000	-0.0138	0.0013	-0.0103	0.0027
	Z	0.0045	0.0100	0.0001	0.0028	0.0014	0.0057
AT. 7 SI	X	0.0062	-0.0041	0.0017	-0.0060	0.0023	0.0045
	Y	-0.0046	0.0000	0.0138	0.0013	-0.0103	0.0027
	Z	0.0045	-0.0100	0.0001	-0.0028	-0.0014	-0.0057
AT. 8 SI	X	0.0062	0.0041	-0.0017	0.0060	0.0023	0.0045
	Y	-0.0046	0.0000	-0.0138	-0.0013	-0.0103	0.0027
	Z	-0.0045	-0.0100	0.0001	-0.0028	0.0014	0.0057
AT. 9 SI	X	0.0027	-0.0106	-0.0020	0.0008	-0.0053	0.0003
	Y	0.0042	0.0026	0.0075	-0.0073	0.0012	-0.0064
	Z	0.0039	0.0039	-0.0009	-0.0027	0.0108	-0.0028
AT. 10 SI	X	0.0027	0.0106	0.0020	-0.0008	-0.0053	0.0003
	Y	0.0042	-0.0026	-0.0075	0.0073	0.0012	-0.0064
	Z	-0.0039	0.0039	-0.0009	-0.0027	-0.0108	0.0028
AT. 11 SI	X	0.0027	-0.0106	0.0020	0.0008	0.0053	-0.0003
	Y	-0.0042	-0.0026	0.0075	0.0073	0.0012	-0.0064
	Z	-0.0039	-0.0039	-0.0009	0.0027	0.0108	-0.0028
AT. 12 SI	X	0.0027	0.0106	-0.0020	-0.0008	0.0053	-0.0003
	Y	-0.0042	0.0026	-0.0075	-0.0073	0.0012	-0.0064
	Z	0.0039	-0.0039	-0.0009	0.0027	-0.0108	0.0028
AT. 13 SI	X	0.0027	0.0106	-0.0020	0.0008	0.0053	0.0003
	Y	0.0042	-0.0026	0.0075	-0.0073	-0.0012	-0.0064
	Z	0.0039	-0.0039	-0.0009	-0.0027	-0.0108	-0.0028
AT. 14 SI	X	0.0027	-0.0106	0.0020	-0.0008	0.0053	0.0003
	Y	0.0042	0.0026	-0.0075	0.0073	-0.0012	-0.0064
	Z	-0.0039	-0.0039	-0.0009	-0.0027	0.0108	0.0028
AT. 15 SI	X	0.0027	0.0106	0.0020	0.0008	-0.0053	-0.0003
	Y	-0.0042	0.0026	0.0075	0.0073	-0.0012	-0.0064
	Z	-0.0039	0.0039	-0.0009	0.0027	-0.0108	-0.0028
AT. 16 SI	X	0.0027	-0.0106	-0.0020	-0.0008	-0.0053	-0.0003
	Y	-0.0042	-0.0026	-0.0075	-0.0073	-0.0012	-0.0064
	Z	0.0039	0.0039	-0.0009	0.0027	0.0108	0.0028
AT. 17 SI	X	-0.0070	0.0000	0.0018	0.0000	0.0000	0.0000

		Y	0.0000	-0.0035	0.0000	-0.0032	0.0007	0.0073
		Z	0.0018	0.0000	-0.0023	0.0000	0.0000	0.0000
AT.	18 SI	X	-0.0070	0.0000	-0.0018	0.0000	0.0000	0.0000
		Y	0.0000	0.0035	0.0000	0.0032	0.0007	0.0073
		Z	-0.0018	0.0000	-0.0023	0.0000	0.0000	0.0000
AT.	19 SI	X	-0.0070	0.0000	0.0018	0.0000	0.0000	0.0000
		Y	0.0000	0.0035	0.0000	-0.0032	-0.0007	0.0073
		Z	0.0018	0.0000	-0.0023	0.0000	0.0000	0.0000
AT.	20 SI	X	-0.0070	0.0000	-0.0018	0.0000	0.0000	0.0000
		Y	0.0000	-0.0035	0.0000	0.0032	-0.0007	0.0073
		Z	-0.0018	0.0000	-0.0023	0.0000	0.0000	0.0000
AT.	21 CA	X	-0.0217	0.0139	-0.0054	0.0188	0.0108	0.0028
		Y	-0.0059	-0.0050	-0.0057	0.0023	-0.0169	0.0062
		Z	-0.0149	0.0219	-0.0124	0.0192	-0.0035	0.0157
AT.	22 CA	X	-0.0217	-0.0139	0.0054	-0.0188	0.0108	0.0028
		Y	-0.0059	0.0050	0.0057	-0.0023	-0.0169	0.0062
		Z	0.0149	0.0219	-0.0124	0.0192	0.0035	-0.0157
AT.	23 CA	X	-0.0217	0.0139	0.0054	0.0188	-0.0108	-0.0028
		Y	0.0059	0.0050	-0.0057	-0.0023	-0.0169	0.0062
		Z	0.0149	-0.0219	-0.0124	-0.0192	-0.0035	0.0157
AT.	24 CA	X	-0.0217	-0.0139	-0.0054	-0.0188	-0.0108	-0.0028
		Y	0.0059	-0.0050	0.0057	0.0023	-0.0169	0.0062
		Z	-0.0149	-0.0219	-0.0124	-0.0192	0.0035	-0.0157
AT.	25 CA	X	-0.0217	-0.0139	-0.0054	0.0188	-0.0108	0.0028
		Y	-0.0059	0.0050	-0.0057	0.0023	0.0169	0.0062
		Z	-0.0149	-0.0219	-0.0124	0.0192	0.0035	0.0157
AT.	26 CA	X	-0.0217	0.0139	0.0054	-0.0188	-0.0108	0.0028
		Y	-0.0059	-0.0050	0.0057	-0.0023	0.0169	0.0062
		Z	0.0149	-0.0219	-0.0124	0.0192	-0.0035	-0.0157
AT.	27 CA	X	-0.0217	-0.0139	0.0054	0.0188	0.0108	-0.0028
		Y	0.0059	-0.0050	-0.0057	-0.0023	0.0169	0.0062
		Z	0.0149	0.0219	-0.0124	-0.0192	0.0035	0.0157
AT.	28 CA	X	-0.0217	0.0139	-0.0054	-0.0188	0.0108	-0.0028
		Y	0.0059	0.0050	0.0057	0.0023	0.0169	0.0062
		Z	-0.0149	0.0219	-0.0124	-0.0192	-0.0035	-0.0157
AT.	29 CA	X	0.0098	0.0000	-0.0131	-0.0130	0.0000	0.0004
		Y	-0.0117	0.0000	-0.0213	0.0110	0.0000	-0.0192
		Z	0.0092	0.0000	0.0214	-0.0086	0.0000	-0.0106
AT.	30 CA	X	0.0098	0.0000	0.0131	0.0130	0.0000	0.0004
		Y	-0.0117	0.0000	0.0213	-0.0110	0.0000	-0.0192
		Z	-0.0092	0.0000	0.0214	-0.0086	0.0000	0.0106
AT.	31 CA	X	0.0098	0.0000	0.0131	-0.0130	0.0000	-0.0004
		Y	0.0117	0.0000	-0.0213	-0.0110	0.0000	-0.0192
		Z	-0.0092	0.0000	0.0214	0.0086	0.0000	-0.0106
AT.	32 CA	X	0.0098	0.0000	-0.0131	0.0130	0.0000	-0.0004
		Y	0.0117	0.0000	0.0213	0.0110	0.0000	-0.0192
		Z	0.0092	0.0000	0.0214	0.0086	0.0000	0.0106
AT.	33 CA	X	0.0121	0.0038	-0.0005	-0.0050	0.0015	0.0011
		Y	-0.0021	0.0012	-0.0187	-0.0004	0.0076	0.0156
		Z	-0.0019	-0.0054	-0.0085	-0.0013	0.0076	-0.0057
AT.	34 CA	X	0.0121	-0.0038	0.0005	0.0050	0.0015	0.0011
		Y	-0.0021	-0.0012	0.0187	0.0004	0.0076	0.0156
		Z	0.0019	-0.0054	-0.0085	-0.0013	-0.0076	0.0057
AT.	35 CA	X	0.0121	0.0038	0.0005	-0.0050	-0.0015	-0.0011
		Y	0.0021	-0.0012	-0.0187	0.0004	0.0076	0.0156
		Z	0.0019	0.0054	-0.0085	0.0013	0.0076	-0.0057
AT.	36 CA	X	0.0121	-0.0038	-0.0005	0.0050	-0.0015	-0.0011
		Y	0.0021	0.0012	0.0187	-0.0004	0.0076	0.0156
		Z	-0.0019	0.0054	-0.0085	0.0013	-0.0076	0.0057
AT.	37 CA	X	0.0121	-0.0038	-0.0005	-0.0050	-0.0015	0.0011
		Y	-0.0021	-0.0012	-0.0187	-0.0004	-0.0076	0.0156

		Z	-0.0019	0.0054	-0.0085	-0.0013	-0.0076	-0.0057
AT.	38	CA X	0.0121	0.0038	0.0005	0.0050	-0.0015	0.0011
		Y	-0.0021	0.0012	0.0187	0.0004	-0.0076	0.0156
		Z	0.0019	0.0054	-0.0085	-0.0013	0.0076	0.0057
AT.	39	CA X	0.0121	-0.0038	0.0005	-0.0050	0.0015	-0.0011
		Y	0.0021	0.0012	-0.0187	0.0004	-0.0076	0.0156
		Z	0.0019	-0.0054	-0.0085	0.0013	-0.0076	-0.0057
AT.	40	CA X	0.0121	0.0038	-0.0005	0.0050	0.0015	-0.0011
		Y	0.0021	-0.0012	0.0187	-0.0004	-0.0076	0.0156
		Z	-0.0019	-0.0054	-0.0085	0.0013	0.0076	0.0057
AT.	41	CA X	-0.0055	0.0119	0.0020	0.0036	-0.0051	0.0110
		Y	-0.0113	-0.0006	0.0009	0.0150	0.0034	-0.0122
		Z	-0.0008	-0.0057	0.0078	0.0033	-0.0031	0.0099
AT.	42	CA X	-0.0055	-0.0119	-0.0020	-0.0036	-0.0051	0.0110
		Y	-0.0113	0.0006	-0.0009	-0.0150	0.0034	-0.0122
		Z	0.0008	-0.0057	0.0078	0.0033	0.0031	-0.0099
AT.	43	CA X	-0.0055	0.0119	-0.0020	0.0036	0.0051	-0.0110
		Y	0.0113	0.0006	0.0009	-0.0150	0.0034	-0.0122
		Z	0.0008	0.0057	0.0078	-0.0033	-0.0031	0.0099
AT.	44	CA X	-0.0055	-0.0119	0.0020	-0.0036	0.0051	-0.0110
		Y	0.0113	-0.0006	-0.0009	0.0150	0.0034	-0.0122
		Z	-0.0008	0.0057	0.0078	-0.0033	0.0031	-0.0099
AT.	45	CA X	-0.0055	-0.0119	0.0020	0.0036	0.0051	0.0110
		Y	-0.0113	0.0006	0.0009	0.0150	-0.0034	-0.0122
		Z	-0.0008	0.0057	0.0078	0.0033	0.0031	0.0099
AT.	46	CA X	-0.0055	0.0119	-0.0020	-0.0036	0.0051	0.0110
		Y	-0.0113	-0.0006	-0.0009	-0.0150	-0.0034	-0.0122
		Z	0.0008	0.0057	0.0078	0.0033	-0.0031	-0.0099
AT.	47	CA X	-0.0055	-0.0119	-0.0020	0.0036	-0.0051	-0.0110
		Y	0.0113	-0.0006	0.0009	-0.0150	-0.0034	-0.0122
		Z	0.0008	-0.0057	0.0078	-0.0033	0.0031	0.0099
AT.	48	CA X	-0.0055	0.0119	0.0020	-0.0036	-0.0051	-0.0110
		Y	0.0113	0.0006	-0.0009	0.0150	-0.0034	-0.0122
		Z	-0.0008	-0.0057	0.0078	-0.0033	-0.0031	-0.0099
AT.	49	CA X	-0.0024	0.0000	-0.0004	0.0000	0.0000	0.0000
		Y	0.0000	-0.0116	0.0000	-0.0016	-0.0019	0.0050
		Z	-0.0049	0.0000	0.0082	0.0000	0.0000	0.0000
AT.	50	CA X	-0.0024	0.0000	0.0004	0.0000	0.0000	0.0000
		Y	0.0000	0.0116	0.0000	0.0016	-0.0019	0.0050
		Z	0.0049	0.0000	0.0082	0.0000	0.0000	0.0000
AT.	51	CA X	-0.0024	0.0000	-0.0004	0.0000	0.0000	0.0000
		Y	0.0000	0.0116	0.0000	-0.0016	0.0019	0.0050
		Z	-0.0049	0.0000	0.0082	0.0000	0.0000	0.0000
AT.	52	CA X	-0.0024	0.0000	0.0004	0.0000	0.0000	0.0000
		Y	0.0000	-0.0116	0.0000	0.0016	0.0019	0.0050
		Z	0.0049	0.0000	0.0082	0.0000	0.0000	0.0000
AT.	53	O X	0.0122	0.0045	0.0069	-0.0090	0.0125	-0.0065
		Y	0.0002	0.0001	0.0086	0.0013	0.0046	0.0030
		Z	0.0032	0.0060	0.0004	-0.0041	-0.0062	0.0001
AT.	54	O X	0.0122	-0.0045	-0.0069	0.0090	0.0125	-0.0065
		Y	0.0002	-0.0001	-0.0086	-0.0013	0.0046	0.0030
		Z	-0.0032	0.0060	0.0004	-0.0041	0.0062	-0.0001
AT.	55	O X	0.0122	0.0045	-0.0069	-0.0090	-0.0125	0.0065
		Y	-0.0002	-0.0001	0.0086	-0.0013	0.0046	0.0030
		Z	-0.0032	-0.0060	0.0004	0.0041	-0.0062	0.0001
AT.	56	O X	0.0122	-0.0045	0.0069	0.0090	-0.0125	0.0065
		Y	-0.0002	0.0001	-0.0086	0.0013	0.0046	0.0030
		Z	0.0032	-0.0060	0.0004	0.0041	0.0062	-0.0001
AT.	57	O X	0.0122	-0.0045	0.0069	-0.0090	-0.0125	-0.0065
		Y	0.0002	-0.0001	0.0086	0.0013	-0.0046	0.0030
		Z	0.0032	-0.0060	0.0004	-0.0041	0.0062	0.0001

AT.	58	O	X	0.0122	0.0045	-0.0069	0.0090	-0.0125	-0.0065
			Y	0.0002	0.0001	-0.0086	-0.0013	-0.0046	0.0030
			Z	-0.0032	-0.0060	0.0004	-0.0041	-0.0062	-0.0001
AT.	59	O	X	0.0122	-0.0045	-0.0069	-0.0090	0.0125	0.0065
			Y	-0.0002	0.0001	0.0086	-0.0013	-0.0046	0.0030
			Z	-0.0032	0.0060	0.0004	0.0041	0.0062	0.0001
AT.	60	O	X	0.0122	0.0045	0.0069	0.0090	0.0125	0.0065
			Y	-0.0002	-0.0001	-0.0086	0.0013	-0.0046	0.0030
			Z	0.0032	0.0060	0.0004	0.0041	-0.0062	-0.0001
AT.	61	O	X	0.0003	0.0073	-0.0024	0.0021	-0.0057	0.0077
			Y	0.0027	0.0100	0.0087	-0.0005	0.0004	0.0032
			Z	-0.0061	-0.0122	0.0018	0.0059	0.0046	0.0017
AT.	62	O	X	0.0003	-0.0073	0.0024	-0.0021	-0.0057	0.0077
			Y	0.0027	-0.0100	-0.0087	0.0005	0.0004	0.0032
			Z	0.0061	-0.0122	0.0018	0.0059	-0.0046	-0.0017
AT.	63	O	X	0.0003	0.0073	0.0024	0.0021	0.0057	-0.0077
			Y	-0.0027	-0.0100	0.0087	0.0005	0.0004	0.0032
			Z	0.0061	0.0122	0.0018	-0.0059	0.0046	0.0017
AT.	64	O	X	0.0003	-0.0073	-0.0024	-0.0021	0.0057	-0.0077
			Y	-0.0027	0.0100	-0.0087	-0.0005	0.0004	0.0032
			Z	-0.0061	0.0122	0.0018	-0.0059	-0.0046	-0.0017
AT.	65	O	X	0.0003	-0.0073	-0.0024	0.0021	0.0057	0.0077
			Y	0.0027	-0.0100	0.0087	-0.0005	-0.0004	0.0032
			Z	-0.0061	0.0122	0.0018	0.0059	-0.0046	0.0017
AT.	66	O	X	0.0003	0.0073	0.0024	-0.0021	0.0057	0.0077
			Y	0.0027	0.0100	-0.0087	0.0005	-0.0004	0.0032
			Z	0.0061	0.0122	0.0018	0.0059	0.0046	-0.0017
AT.	67	O	X	0.0003	-0.0073	0.0024	0.0021	-0.0057	-0.0077
			Y	-0.0027	0.0100	0.0087	0.0005	-0.0004	0.0032
			Z	0.0061	-0.0122	0.0018	-0.0059	-0.0046	0.0017
AT.	68	O	X	0.0003	0.0073	-0.0024	-0.0021	-0.0057	-0.0077
			Y	-0.0027	-0.0100	-0.0087	-0.0005	-0.0004	0.0032
			Z	-0.0061	-0.0122	0.0018	-0.0059	0.0046	-0.0017
AT.	69	O	X	0.0031	0.0057	-0.0053	-0.0082	-0.0021	-0.0131
			Y	-0.0085	-0.0114	0.0096	0.0095	0.0174	0.0045
			Z	-0.0075	-0.0151	-0.0005	0.0073	0.0059	0.0012
AT.	70	O	X	0.0031	-0.0057	0.0053	0.0082	-0.0021	-0.0131
			Y	-0.0085	0.0114	-0.0096	-0.0095	0.0174	0.0045
			Z	0.0075	-0.0151	-0.0005	0.0073	-0.0059	-0.0012
AT.	71	O	X	0.0031	0.0057	0.0053	-0.0082	0.0021	0.0131
			Y	0.0085	0.0114	0.0096	-0.0095	0.0174	0.0045
			Z	0.0075	0.0151	-0.0005	-0.0073	0.0059	0.0012
AT.	72	O	X	0.0031	-0.0057	-0.0053	0.0082	0.0021	0.0131
			Y	0.0085	-0.0114	-0.0096	0.0095	0.0174	0.0045
			Z	-0.0075	0.0151	-0.0005	-0.0073	-0.0059	-0.0012
AT.	73	O	X	0.0031	-0.0057	-0.0053	-0.0082	0.0021	-0.0131
			Y	-0.0085	0.0114	0.0096	0.0095	-0.0174	0.0045
			Z	-0.0075	0.0151	-0.0005	0.0073	-0.0059	0.0012
AT.	74	O	X	0.0031	0.0057	0.0053	0.0082	0.0021	-0.0131
			Y	-0.0085	-0.0114	-0.0096	-0.0095	-0.0174	0.0045
			Z	0.0075	0.0151	-0.0005	0.0073	0.0059	-0.0012
AT.	75	O	X	0.0031	-0.0057	0.0053	-0.0082	-0.0021	0.0131
			Y	0.0085	-0.0114	0.0096	-0.0095	-0.0174	0.0045
			Z	0.0075	-0.0151	-0.0005	-0.0073	-0.0059	0.0012
AT.	76	O	X	0.0031	0.0057	-0.0053	0.0082	-0.0021	0.0131
			Y	0.0085	0.0114	-0.0096	0.0095	-0.0174	0.0045
			Z	-0.0075	-0.0151	-0.0005	-0.0073	0.0059	-0.0012
AT.	77	O	X	0.0061	0.0047	-0.0014	-0.0058	0.0027	-0.0042
			Y	0.0053	-0.0001	0.0150	-0.0009	0.0182	-0.0043
			Z	0.0045	0.0001	-0.0021	-0.0095	0.0034	-0.0130
AT.	78	O	X	0.0061	-0.0047	0.0014	0.0058	0.0027	-0.0042

		Y	0.0053	0.0001	-0.0150	0.0009	0.0182	-0.0043
		Z	-0.0045	0.0001	-0.0021	-0.0095	-0.0034	0.0130
AT.	79 O	X	0.0061	0.0047	0.0014	-0.0058	-0.0027	0.0042
		Y	-0.0053	0.0001	0.0150	0.0009	0.0182	-0.0043
		Z	-0.0045	-0.0001	-0.0021	0.0095	0.0034	-0.0130
AT.	80 O	X	0.0061	-0.0047	-0.0014	0.0058	-0.0027	0.0042
		Y	-0.0053	-0.0001	-0.0150	-0.0009	0.0182	-0.0043
		Z	0.0045	-0.0001	-0.0021	0.0095	-0.0034	0.0130
AT.	81 O	X	0.0061	-0.0047	-0.0014	-0.0058	-0.0027	-0.0042
		Y	0.0053	0.0001	0.0150	-0.0009	-0.0182	-0.0043
		Z	0.0045	-0.0001	-0.0021	-0.0095	-0.0034	-0.0130
AT.	82 O	X	0.0061	0.0047	0.0014	0.0058	-0.0027	-0.0042
		Y	0.0053	-0.0001	-0.0150	0.0009	-0.0182	-0.0043
		Z	-0.0045	-0.0001	-0.0021	-0.0095	0.0034	0.0130
AT.	83 O	X	0.0061	-0.0047	0.0014	-0.0058	0.0027	0.0042
		Y	-0.0053	-0.0001	0.0150	0.0009	-0.0182	-0.0043
		Z	-0.0045	0.0001	-0.0021	0.0095	-0.0034	-0.0130
AT.	84 O	X	0.0061	0.0047	-0.0014	0.0058	0.0027	0.0042
		Y	-0.0053	0.0001	-0.0150	-0.0009	-0.0182	-0.0043
		Z	0.0045	0.0001	-0.0021	0.0095	0.0034	0.0130
AT.	85 O	X	-0.0084	-0.0127	-0.0035	0.0121	-0.0149	0.0028
		Y	-0.0001	-0.0078	0.0083	-0.0053	-0.0087	-0.0165
		Z	0.0004	0.0085	-0.0029	0.0018	0.0105	0.0059
AT.	86 O	X	-0.0084	0.0127	0.0035	-0.0121	-0.0149	0.0028
		Y	-0.0001	0.0078	-0.0083	0.0053	-0.0087	-0.0165
		Z	-0.0004	0.0085	-0.0029	0.0018	-0.0105	-0.0059
AT.	87 O	X	-0.0084	-0.0127	0.0035	0.0121	0.0149	-0.0028
		Y	0.0001	0.0078	0.0083	0.0053	-0.0087	-0.0165
		Z	-0.0004	-0.0085	-0.0029	-0.0018	0.0105	0.0059
AT.	88 O	X	-0.0084	0.0127	-0.0035	-0.0121	0.0149	-0.0028
		Y	0.0001	-0.0078	-0.0083	-0.0053	-0.0087	-0.0165
		Z	0.0004	-0.0085	-0.0029	-0.0018	-0.0105	-0.0059
AT.	89 O	X	-0.0084	0.0127	-0.0035	0.0121	0.0149	0.0028
		Y	-0.0001	0.0078	0.0083	-0.0053	0.0087	-0.0165
		Z	0.0004	-0.0085	-0.0029	0.0018	-0.0105	0.0059
AT.	90 O	X	-0.0084	-0.0127	0.0035	-0.0121	0.0149	0.0028
		Y	-0.0001	-0.0078	-0.0083	0.0053	0.0087	-0.0165
		Z	-0.0004	-0.0085	-0.0029	0.0018	0.0105	-0.0059
AT.	91 O	X	-0.0084	0.0127	0.0035	0.0121	-0.0149	-0.0028
		Y	0.0001	-0.0078	0.0083	0.0053	0.0087	-0.0165
		Z	-0.0004	0.0085	-0.0029	-0.0018	-0.0105	0.0059
AT.	92 O	X	-0.0084	-0.0127	-0.0035	-0.0121	-0.0149	-0.0028
		Y	0.0001	0.0078	-0.0083	-0.0053	0.0087	-0.0165
		Z	0.0004	0.0085	-0.0029	-0.0018	0.0105	-0.0059
AT.	93 O	X	0.0142	-0.0062	0.0009	-0.0089	-0.0022	0.0016
		Y	-0.0011	0.0018	0.0059	-0.0024	0.0015	-0.0060
		Z	0.0042	-0.0115	-0.0038	-0.0035	-0.0018	-0.0073
AT.	94 O	X	0.0142	0.0062	-0.0009	0.0089	-0.0022	0.0016
		Y	-0.0011	-0.0018	-0.0059	0.0024	0.0015	-0.0060
		Z	-0.0042	-0.0115	-0.0038	-0.0035	0.0018	0.0073
AT.	95 O	X	0.0142	-0.0062	-0.0009	-0.0089	0.0022	-0.0016
		Y	0.0011	-0.0018	0.0059	0.0024	0.0015	-0.0060
		Z	-0.0042	0.0115	-0.0038	0.0035	-0.0018	-0.0073
AT.	96 O	X	0.0142	0.0062	0.0009	0.0089	0.0022	-0.0016
		Y	0.0011	0.0018	-0.0059	-0.0024	0.0015	-0.0060
		Z	0.0042	0.0115	-0.0038	0.0035	0.0018	0.0073
AT.	97 O	X	0.0142	0.0062	0.0009	-0.0089	0.0022	0.0016
		Y	-0.0011	-0.0018	0.0059	-0.0024	-0.0015	-0.0060
		Z	0.0042	0.0115	-0.0038	-0.0035	0.0018	-0.0073
AT.	98 O	X	0.0142	-0.0062	-0.0009	0.0089	0.0022	0.0016
		Y	-0.0011	0.0018	-0.0059	0.0024	-0.0015	-0.0060

	Z	-0.0042	0.0115	-0.0038	-0.0035	-0.0018	0.0073
AT. 99 O	X	0.0142	0.0062	-0.0009	-0.0089	-0.0022	-0.0016
	Y	0.0011	0.0018	0.0059	0.0024	-0.0015	-0.0060
	Z	-0.0042	-0.0115	-0.0038	0.0035	0.0018	-0.0073
AT. 100 O	X	0.0142	-0.0062	0.0009	0.0089	-0.0022	-0.0016
	Y	0.0011	-0.0018	-0.0059	-0.0024	-0.0015	-0.0060
	Z	0.0042	-0.0115	-0.0038	0.0035	-0.0018	0.0073
AT. 101 O	X	-0.0039	-0.0059	-0.0021	-0.0001	0.0046	0.0038
	Y	0.0015	0.0044	0.0066	-0.0035	0.0033	0.0060
	Z	0.0049	0.0016	0.0007	-0.0005	0.0091	0.0059
AT. 102 O	X	-0.0039	0.0059	0.0021	0.0001	0.0046	0.0038
	Y	0.0015	-0.0044	-0.0066	0.0035	0.0033	0.0060
	Z	-0.0049	0.0016	0.0007	-0.0005	-0.0091	-0.0059
AT. 103 O	X	-0.0039	-0.0059	0.0021	-0.0001	-0.0046	-0.0038
	Y	-0.0015	-0.0044	0.0066	0.0035	0.0033	0.0060
	Z	-0.0049	-0.0016	0.0007	0.0005	0.0091	0.0059
AT. 104 O	X	-0.0039	0.0059	-0.0021	0.0001	-0.0046	-0.0038
	Y	-0.0015	0.0044	-0.0066	-0.0035	0.0033	0.0060
	Z	0.0049	-0.0016	0.0007	0.0005	-0.0091	-0.0059
AT. 105 O	X	-0.0039	0.0059	-0.0021	-0.0001	-0.0046	0.0038
	Y	0.0015	-0.0044	0.0066	-0.0035	-0.0033	0.0060
	Z	0.0049	-0.0016	0.0007	-0.0005	-0.0091	0.0059
AT. 106 O	X	-0.0039	-0.0059	0.0021	0.0001	-0.0046	0.0038
	Y	0.0015	0.0044	-0.0066	0.0035	-0.0033	0.0060
	Z	-0.0049	-0.0016	0.0007	-0.0005	0.0091	-0.0059
AT. 107 O	X	-0.0039	0.0059	0.0021	-0.0001	0.0046	-0.0038
	Y	-0.0015	0.0044	0.0066	0.0035	-0.0033	0.0060
	Z	-0.0049	0.0016	0.0007	0.0005	-0.0091	0.0059
AT. 108 O	X	-0.0039	-0.0059	-0.0021	0.0001	0.0046	-0.0038
	Y	-0.0015	-0.0044	-0.0066	-0.0035	-0.0033	0.0060
	Z	0.0049	0.0016	0.0007	0.0005	0.0091	-0.0059
AT. 109 O	X	0.0021	-0.0110	-0.0016	0.0010	-0.0059	0.0005
	Y	0.0160	0.0055	0.0047	-0.0168	0.0076	-0.0008
	Z	0.0120	0.0087	0.0058	-0.0148	0.0233	-0.0054
AT. 110 O	X	0.0021	0.0110	0.0016	-0.0010	-0.0059	0.0005
	Y	0.0160	-0.0055	-0.0047	0.0168	0.0076	-0.0008
	Z	-0.0120	0.0087	0.0058	-0.0148	-0.0233	0.0054
AT. 111 O	X	0.0021	-0.0110	0.0016	0.0010	0.0059	-0.0005
	Y	-0.0160	-0.0055	0.0047	0.0168	0.0076	-0.0008
	Z	-0.0120	-0.0087	0.0058	0.0148	0.0233	-0.0054
AT. 112 O	X	0.0021	0.0110	-0.0016	-0.0010	0.0059	-0.0005
	Y	-0.0160	0.0055	-0.0047	-0.0168	0.0076	-0.0008
	Z	0.0120	-0.0087	0.0058	0.0148	-0.0233	0.0054
AT. 113 O	X	0.0021	0.0110	-0.0016	0.0010	0.0059	0.0005
	Y	0.0160	-0.0055	0.0047	-0.0168	-0.0076	-0.0008
	Z	0.0120	-0.0087	0.0058	-0.0148	-0.0233	-0.0054
AT. 114 O	X	0.0021	-0.0110	0.0016	-0.0010	0.0059	0.0005
	Y	0.0160	0.0055	-0.0047	0.0168	-0.0076	-0.0008
	Z	-0.0120	-0.0087	0.0058	-0.0148	0.0233	0.0054
AT. 115 O	X	0.0021	0.0110	0.0016	0.0010	-0.0059	-0.0005
	Y	-0.0160	0.0055	0.0047	0.0168	-0.0076	-0.0008
	Z	-0.0120	0.0087	0.0058	0.0148	-0.0233	-0.0054
AT. 116 O	X	0.0021	-0.0110	-0.0016	-0.0010	-0.0059	-0.0005
	Y	-0.0160	-0.0055	-0.0047	-0.0168	-0.0076	-0.0008
	Z	0.0120	0.0087	0.0058	0.0148	0.0233	0.0054
AT. 117 O	X	-0.0064	-0.0060	0.0037	-0.0013	0.0144	0.0096
	Y	0.0024	-0.0006	-0.0025	-0.0034	-0.0011	0.0046
	Z	-0.0011	0.0025	-0.0001	0.0020	-0.0133	-0.0070
AT. 118 O	X	-0.0064	0.0060	-0.0037	0.0013	0.0144	0.0096
	Y	0.0024	0.0006	0.0025	0.0034	-0.0011	0.0046
	Z	0.0011	0.0025	-0.0001	0.0020	0.0133	0.0070

AT. 119 O	X	-0.0064	-0.0060	-0.0037	-0.0013	-0.0144	-0.0096
	Y	-0.0024	0.0006	-0.0025	0.0034	-0.0011	0.0046
	Z	0.0011	-0.0025	-0.0001	-0.0020	-0.0133	-0.0070
AT. 120 O	X	-0.0064	0.0060	0.0037	0.0013	-0.0144	-0.0096
	Y	-0.0024	-0.0006	0.0025	-0.0034	-0.0011	0.0046
	Z	-0.0011	-0.0025	-0.0001	-0.0020	0.0133	0.0070
AT. 121 O	X	-0.0064	0.0060	0.0037	-0.0013	-0.0144	0.0096
	Y	0.0024	0.0006	-0.0025	-0.0034	0.0011	0.0046
	Z	-0.0011	-0.0025	-0.0001	0.0020	0.0133	-0.0070
AT. 122 O	X	-0.0064	-0.0060	-0.0037	0.0013	-0.0144	0.0096
	Y	0.0024	-0.0006	0.0025	0.0034	0.0011	0.0046
	Z	0.0011	-0.0025	-0.0001	0.0020	-0.0133	0.0070
AT. 123 O	X	-0.0064	0.0060	-0.0037	-0.0013	0.0144	-0.0096
	Y	-0.0024	-0.0006	-0.0025	0.0034	0.0011	0.0046
	Z	0.0011	0.0025	-0.0001	-0.0020	0.0133	-0.0070
AT. 124 O	X	-0.0064	-0.0060	0.0037	0.0013	0.0144	-0.0096
	Y	-0.0024	0.0006	0.0025	-0.0034	0.0011	0.0046
	Z	-0.0011	0.0025	-0.0001	-0.0020	-0.0133	0.0070

FREQ(CM**-1)	216.26	216.52	217.74	219.82	220.50	221.88
AT. 1 SI X	-0.0004	0.0007	0.0017	0.0019	-0.0028	-0.0061
Y	-0.0132	-0.0059	0.0056	0.0033	-0.0088	-0.0069
Z	0.0021	-0.0018	-0.0097	0.0044	0.0008	-0.0024
AT. 2 SI X	-0.0004	0.0007	-0.0017	-0.0019	-0.0028	0.0061
Y	-0.0132	-0.0059	-0.0056	-0.0033	-0.0088	0.0069
Z	-0.0021	0.0018	-0.0097	0.0044	-0.0008	-0.0024
AT. 3 SI X	0.0004	0.0007	0.0017	-0.0019	0.0028	-0.0061
Y	-0.0132	0.0059	-0.0056	0.0033	-0.0088	0.0069
Z	0.0021	0.0018	0.0097	0.0044	0.0008	0.0024
AT. 4 SI X	0.0004	0.0007	-0.0017	0.0019	0.0028	0.0061
Y	-0.0132	0.0059	0.0056	-0.0033	-0.0088	-0.0069
Z	-0.0021	-0.0018	0.0097	0.0044	-0.0008	0.0024
AT. 5 SI X	-0.0004	0.0007	-0.0017	-0.0019	0.0028	0.0061
Y	-0.0132	-0.0059	-0.0056	-0.0033	0.0088	0.0069
Z	0.0021	-0.0018	0.0097	-0.0044	-0.0008	0.0024
AT. 6 SI X	-0.0004	0.0007	0.0017	0.0019	0.0028	-0.0061
Y	-0.0132	-0.0059	0.0056	0.0033	0.0088	-0.0069
Z	-0.0021	0.0018	0.0097	-0.0044	0.0008	0.0024
AT. 7 SI X	0.0004	0.0007	-0.0017	0.0019	-0.0028	0.0061
Y	-0.0132	0.0059	0.0056	-0.0033	0.0088	-0.0069
Z	0.0021	0.0018	-0.0097	-0.0044	-0.0008	-0.0024
AT. 8 SI X	0.0004	0.0007	0.0017	-0.0019	-0.0028	-0.0061
Y	-0.0132	0.0059	-0.0056	0.0033	0.0088	0.0069
Z	-0.0021	-0.0018	-0.0097	-0.0044	0.0008	-0.0024
AT. 9 SI X	-0.0016	-0.0082	-0.0041	0.0008	0.0013	0.0019
Y	-0.0006	-0.0036	0.0054	-0.0029	-0.0019	0.0032
Z	-0.0070	-0.0058	0.0113	0.0055	-0.0049	0.0024
AT. 10 SI X	-0.0016	-0.0082	0.0041	-0.0008	0.0013	-0.0019
Y	-0.0006	-0.0036	-0.0054	0.0029	-0.0019	-0.0032
Z	0.0070	0.0058	0.0113	0.0055	0.0049	0.0024
AT. 11 SI X	0.0016	-0.0082	-0.0041	-0.0008	-0.0013	0.0019
Y	-0.0006	0.0036	-0.0054	-0.0029	-0.0019	-0.0032
Z	-0.0070	0.0058	-0.0113	0.0055	-0.0049	-0.0024
AT. 12 SI X	0.0016	-0.0082	0.0041	0.0008	-0.0013	-0.0019
Y	-0.0006	0.0036	0.0054	0.0029	-0.0019	0.0032
Z	0.0070	-0.0058	-0.0113	0.0055	0.0049	-0.0024
AT. 13 SI X	-0.0016	-0.0082	0.0041	-0.0008	-0.0013	-0.0019
Y	-0.0006	-0.0036	-0.0054	0.0029	0.0019	-0.0032
Z	-0.0070	-0.0058	-0.0113	-0.0055	0.0049	-0.0024
AT. 14 SI X	-0.0016	-0.0082	-0.0041	0.0008	-0.0013	0.0019

	Y	-0.0006	-0.0036	0.0054	-0.0029	0.0019	0.0032
	Z	0.0070	0.0058	-0.0113	-0.0055	-0.0049	-0.0024
AT. 15 SI	X	0.0016	-0.0082	0.0041	0.0008	0.0013	-0.0019
	Y	-0.0006	0.0036	0.0054	0.0029	0.0019	0.0032
	Z	-0.0070	0.0058	0.0113	-0.0055	0.0049	0.0024
AT. 16 SI	X	0.0016	-0.0082	-0.0041	-0.0008	0.0013	0.0019
	Y	-0.0006	0.0036	-0.0054	-0.0029	0.0019	-0.0032
	Z	0.0070	-0.0058	0.0113	-0.0055	-0.0049	0.0024
AT. 17 SI	X	0.0000	0.0139	0.0000	-0.0029	0.0000	0.0000
	Y	-0.0006	0.0000	-0.0068	0.0000	0.0037	-0.0014
	Z	0.0000	-0.0016	0.0000	0.0016	0.0000	0.0000
AT. 18 SI	X	0.0000	0.0139	0.0000	0.0029	0.0000	0.0000
	Y	-0.0006	0.0000	0.0068	0.0000	0.0037	0.0014
	Z	0.0000	0.0016	0.0000	0.0016	0.0000	0.0000
AT. 19 SI	X	0.0000	0.0139	0.0000	0.0029	0.0000	0.0000
	Y	-0.0006	0.0000	0.0068	0.0000	-0.0037	0.0014
	Z	0.0000	-0.0016	0.0000	-0.0016	0.0000	0.0000
AT. 20 SI	X	0.0000	0.0139	0.0000	-0.0029	0.0000	0.0000
	Y	-0.0006	0.0000	-0.0068	0.0000	-0.0037	-0.0014
	Z	0.0000	0.0016	0.0000	-0.0016	0.0000	0.0000
AT. 21 CA	X	0.0121	0.0000	0.0002	-0.0108	-0.0009	-0.0046
	Y	-0.0008	0.0054	-0.0067	0.0051	-0.0104	0.0098
	Z	0.0083	-0.0203	-0.0175	0.0124	-0.0111	-0.0026
AT. 22 CA	X	0.0121	0.0000	-0.0002	0.0108	-0.0009	0.0046
	Y	-0.0008	0.0054	0.0067	-0.0051	-0.0104	-0.0098
	Z	-0.0083	0.0203	-0.0175	0.0124	0.0111	-0.0026
AT. 23 CA	X	-0.0121	0.0000	0.0002	0.0108	0.0009	-0.0046
	Y	-0.0008	-0.0054	0.0067	0.0051	-0.0104	-0.0098
	Z	0.0083	0.0203	0.0175	0.0124	-0.0111	0.0026
AT. 24 CA	X	-0.0121	0.0000	-0.0002	-0.0108	0.0009	0.0046
	Y	-0.0008	-0.0054	-0.0067	-0.0051	-0.0104	0.0098
	Z	-0.0083	-0.0203	0.0175	0.0124	0.0111	0.0026
AT. 25 CA	X	0.0121	0.0000	-0.0002	0.0108	0.0009	0.0046
	Y	-0.0008	0.0054	0.0067	-0.0051	0.0104	-0.0098
	Z	0.0083	-0.0203	0.0175	-0.0124	0.0111	0.0026
AT. 26 CA	X	0.0121	0.0000	0.0002	-0.0108	0.0009	-0.0046
	Y	-0.0008	0.0054	-0.0067	0.0051	0.0104	0.0098
	Z	-0.0083	0.0203	0.0175	-0.0124	-0.0111	0.0026
AT. 27 CA	X	-0.0121	0.0000	-0.0002	-0.0108	-0.0009	0.0046
	Y	-0.0008	-0.0054	-0.0067	-0.0051	0.0104	0.0098
	Z	0.0083	0.0203	-0.0175	-0.0124	0.0111	-0.0026
AT. 28 CA	X	-0.0121	0.0000	0.0002	0.0108	-0.0009	-0.0046
	Y	-0.0008	-0.0054	0.0067	0.0051	0.0104	-0.0098
	Z	-0.0083	-0.0203	-0.0175	-0.0124	-0.0111	-0.0026
AT. 29 CA	X	-0.0008	0.0099	0.0000	0.0000	0.0000	0.0000
	Y	0.0291	-0.0047	0.0000	0.0000	0.0000	0.0000
	Z	-0.0125	-0.0022	0.0000	0.0000	0.0000	0.0000
AT. 30 CA	X	-0.0008	0.0099	0.0000	0.0000	0.0000	0.0000
	Y	0.0291	-0.0047	0.0000	0.0000	0.0000	0.0000
	Z	0.0125	0.0022	0.0000	0.0000	0.0000	0.0000
AT. 31 CA	X	0.0008	0.0099	0.0000	0.0000	0.0000	0.0000
	Y	0.0291	0.0047	0.0000	0.0000	0.0000	0.0000
	Z	-0.0125	0.0022	0.0000	0.0000	0.0000	0.0000
AT. 32 CA	X	0.0008	0.0099	0.0000	0.0000	0.0000	0.0000
	Y	0.0291	0.0047	0.0000	0.0000	0.0000	0.0000
	Z	0.0125	-0.0022	0.0000	0.0000	0.0000	0.0000
AT. 33 CA	X	0.0112	-0.0137	0.0019	0.0047	0.0037	0.0056
	Y	0.0126	0.0100	-0.0091	-0.0060	0.0113	-0.0033
	Z	0.0076	0.0078	-0.0029	-0.0100	0.0038	0.0096
AT. 34 CA	X	0.0112	-0.0137	-0.0019	-0.0047	0.0037	-0.0056
	Y	0.0126	0.0100	0.0091	0.0060	0.0113	0.0033

		Z	-0.0076	-0.0078	-0.0029	-0.0100	-0.0038	0.0096
AT.	35	CA X	-0.0112	-0.0137	0.0019	-0.0047	-0.0037	0.0056
		Y	0.0126	-0.0100	0.0091	-0.0060	0.0113	0.0033
		Z	0.0076	-0.0078	0.0029	-0.0100	0.0038	-0.0096
AT.	36	CA X	-0.0112	-0.0137	-0.0019	0.0047	-0.0037	-0.0056
		Y	0.0126	-0.0100	-0.0091	0.0060	0.0113	-0.0033
		Z	-0.0076	0.0078	0.0029	-0.0100	-0.0038	-0.0096
AT.	37	CA X	0.0112	-0.0137	-0.0019	-0.0047	-0.0037	-0.0056
		Y	0.0126	0.0100	0.0091	0.0060	-0.0113	0.0033
		Z	0.0076	0.0078	0.0029	0.0100	-0.0038	-0.0096
AT.	38	CA X	0.0112	-0.0137	0.0019	0.0047	-0.0037	0.0056
		Y	0.0126	0.0100	-0.0091	-0.0060	-0.0113	-0.0033
		Z	-0.0076	-0.0078	0.0029	0.0100	0.0038	-0.0096
AT.	39	CA X	-0.0112	-0.0137	-0.0019	0.0047	0.0037	-0.0056
		Y	0.0126	-0.0100	-0.0091	0.0060	-0.0113	-0.0033
		Z	0.0076	-0.0078	-0.0029	0.0100	-0.0038	0.0096
AT.	40	CA X	-0.0112	-0.0137	0.0019	-0.0047	0.0037	0.0056
		Y	0.0126	-0.0100	0.0091	-0.0060	-0.0113	0.0033
		Z	-0.0076	0.0078	-0.0029	0.0100	0.0038	0.0096
AT.	41	CA X	0.0066	0.0111	0.0057	0.0027	0.0108	0.0174
		Y	0.0043	-0.0049	0.0025	-0.0003	-0.0199	-0.0086
		Z	-0.0063	-0.0069	-0.0047	0.0227	-0.0151	-0.0212
AT.	42	CA X	0.0066	0.0111	-0.0057	-0.0027	0.0108	-0.0174
		Y	0.0043	-0.0049	-0.0025	0.0003	-0.0199	0.0086
		Z	0.0063	0.0069	-0.0047	0.0227	0.0151	-0.0212
AT.	43	CA X	-0.0066	0.0111	0.0057	-0.0027	-0.0108	0.0174
		Y	0.0043	0.0049	-0.0025	-0.0003	-0.0199	0.0086
		Z	-0.0063	0.0069	0.0047	0.0227	-0.0151	0.0212
AT.	44	CA X	-0.0066	0.0111	-0.0057	0.0027	-0.0108	-0.0174
		Y	0.0043	0.0049	0.0025	0.0003	-0.0199	-0.0086
		Z	0.0063	-0.0069	0.0047	0.0227	0.0151	0.0212
AT.	45	CA X	0.0066	0.0111	-0.0057	-0.0027	-0.0108	-0.0174
		Y	0.0043	-0.0049	-0.0025	0.0003	0.0199	0.0086
		Z	-0.0063	-0.0069	0.0047	-0.0227	0.0151	0.0212
AT.	46	CA X	0.0066	0.0111	0.0057	0.0027	-0.0108	0.0174
		Y	0.0043	-0.0049	0.0025	-0.0003	0.0199	-0.0086
		Z	0.0063	0.0069	0.0047	-0.0227	-0.0151	0.0212
AT.	47	CA X	-0.0066	0.0111	-0.0057	0.0027	0.0108	-0.0174
		Y	0.0043	0.0049	0.0025	0.0003	0.0199	-0.0086
		Z	-0.0063	0.0069	-0.0047	-0.0227	0.0151	-0.0212
AT.	48	CA X	-0.0066	0.0111	0.0057	-0.0027	0.0108	0.0174
		Y	0.0043	0.0049	-0.0025	-0.0003	0.0199	0.0086
		Z	0.0063	-0.0069	-0.0047	-0.0227	-0.0151	-0.0212
AT.	49	CA X	0.0000	-0.0010	0.0000	-0.0005	0.0000	0.0000
		Y	-0.0038	0.0000	-0.0116	0.0000	0.0057	0.0071
		Z	0.0000	0.0017	0.0000	-0.0086	0.0000	0.0000
AT.	50	CA X	0.0000	-0.0010	0.0000	0.0005	0.0000	0.0000
		Y	-0.0038	0.0000	0.0116	0.0000	0.0057	-0.0071
		Z	0.0000	-0.0017	0.0000	-0.0086	0.0000	0.0000
AT.	51	CA X	0.0000	-0.0010	0.0000	0.0005	0.0000	0.0000
		Y	-0.0038	0.0000	0.0116	0.0000	-0.0057	-0.0071
		Z	0.0000	0.0017	0.0000	0.0086	0.0000	0.0000
AT.	52	CA X	0.0000	-0.0010	0.0000	-0.0005	0.0000	0.0000
		Y	-0.0038	0.0000	-0.0116	0.0000	-0.0057	0.0071
		Z	0.0000	-0.0017	0.0000	0.0086	0.0000	0.0000
AT.	53	O X	-0.0055	-0.0063	0.0082	-0.0024	-0.0047	-0.0109
		Y	-0.0094	-0.0020	0.0031	0.0033	-0.0065	-0.0047
		Z	0.0004	0.0039	-0.0138	0.0087	0.0110	0.0015
AT.	54	O X	-0.0055	-0.0063	-0.0082	0.0024	-0.0047	0.0109
		Y	-0.0094	-0.0020	-0.0031	-0.0033	-0.0065	0.0047
		Z	-0.0004	-0.0039	-0.0138	0.0087	-0.0110	0.0015

AT.	55	O	X	0.0055	-0.0063	0.0082	0.0024	0.0047	-0.0109
			Y	-0.0094	0.0020	-0.0031	0.0033	-0.0065	0.0047
			Z	0.0004	-0.0039	0.0138	0.0087	0.0110	-0.0015
AT.	56	O	X	0.0055	-0.0063	-0.0082	-0.0024	0.0047	0.0109
			Y	-0.0094	0.0020	0.0031	-0.0033	-0.0065	-0.0047
			Z	-0.0004	0.0039	0.0138	0.0087	-0.0110	-0.0015
AT.	57	O	X	-0.0055	-0.0063	-0.0082	0.0024	0.0047	0.0109
			Y	-0.0094	-0.0020	-0.0031	-0.0033	0.0065	0.0047
			Z	0.0004	0.0039	0.0138	-0.0087	-0.0110	-0.0015
AT.	58	O	X	-0.0055	-0.0063	0.0082	-0.0024	0.0047	-0.0109
			Y	-0.0094	-0.0020	0.0031	0.0033	0.0065	-0.0047
			Z	-0.0004	-0.0039	0.0138	-0.0087	0.0110	-0.0015
AT.	59	O	X	0.0055	-0.0063	-0.0082	-0.0024	-0.0047	0.0109
			Y	-0.0094	0.0020	0.0031	-0.0033	0.0065	-0.0047
			Z	0.0004	-0.0039	-0.0138	-0.0087	-0.0110	0.0015
AT.	60	O	X	0.0055	-0.0063	0.0082	0.0024	-0.0047	-0.0109
			Y	-0.0094	0.0020	-0.0031	0.0033	0.0065	0.0047
			Z	-0.0004	0.0039	-0.0138	-0.0087	0.0110	0.0015
AT.	61	O	X	0.0016	-0.0003	0.0061	0.0068	-0.0069	-0.0084
			Y	-0.0079	0.0017	-0.0001	0.0061	0.0050	-0.0021
			Z	0.0009	-0.0049	-0.0053	0.0038	-0.0078	-0.0062
AT.	62	O	X	0.0016	-0.0003	-0.0061	-0.0068	-0.0069	0.0084
			Y	-0.0079	0.0017	0.0001	-0.0061	0.0050	0.0021
			Z	-0.0009	0.0049	-0.0053	0.0038	0.0078	-0.0062
AT.	63	O	X	-0.0016	-0.0003	0.0061	-0.0068	0.0069	-0.0084
			Y	-0.0079	-0.0017	0.0001	0.0061	0.0050	0.0021
			Z	0.0009	0.0049	0.0053	0.0038	-0.0078	0.0062
AT.	64	O	X	-0.0016	-0.0003	-0.0061	0.0068	0.0069	0.0084
			Y	-0.0079	-0.0017	-0.0001	-0.0061	0.0050	-0.0021
			Z	-0.0009	-0.0049	0.0053	0.0038	0.0078	0.0062
AT.	65	O	X	0.0016	-0.0003	-0.0061	-0.0068	0.0069	0.0084
			Y	-0.0079	0.0017	0.0001	-0.0061	-0.0050	0.0021
			Z	0.0009	-0.0049	0.0053	-0.0038	0.0078	0.0062
AT.	66	O	X	0.0016	-0.0003	0.0061	0.0068	0.0069	-0.0084
			Y	-0.0079	0.0017	-0.0001	0.0061	-0.0050	-0.0021
			Z	-0.0009	0.0049	0.0053	-0.0038	-0.0078	0.0062
AT.	67	O	X	-0.0016	-0.0003	-0.0061	0.0068	-0.0069	0.0084
			Y	-0.0079	-0.0017	-0.0001	-0.0061	-0.0050	-0.0021
			Z	0.0009	0.0049	-0.0053	-0.0038	0.0078	-0.0062
AT.	68	O	X	-0.0016	-0.0003	0.0061	-0.0068	-0.0069	-0.0084
			Y	-0.0079	-0.0017	0.0001	0.0061	-0.0050	0.0021
			Z	-0.0009	-0.0049	-0.0053	-0.0038	-0.0078	-0.0062
AT.	69	O	X	0.0035	0.0115	-0.0112	0.0063	0.0015	-0.0019
			Y	-0.0105	-0.0081	0.0088	-0.0053	-0.0166	-0.0103
			Z	0.0016	-0.0075	-0.0025	-0.0023	-0.0041	-0.0062
AT.	70	O	X	0.0035	0.0115	0.0112	-0.0063	0.0015	0.0019
			Y	-0.0105	-0.0081	-0.0088	0.0053	-0.0166	0.0103
			Z	-0.0016	0.0075	-0.0025	-0.0023	0.0041	-0.0062
AT.	71	O	X	-0.0035	0.0115	-0.0112	-0.0063	-0.0015	-0.0019
			Y	-0.0105	0.0081	-0.0088	-0.0053	-0.0166	0.0103
			Z	0.0016	0.0075	0.0025	-0.0023	-0.0041	0.0062
AT.	72	O	X	-0.0035	0.0115	0.0112	0.0063	-0.0015	0.0019
			Y	-0.0105	0.0081	0.0088	0.0053	-0.0166	-0.0103
			Z	-0.0016	-0.0075	0.0025	-0.0023	0.0041	0.0062
AT.	73	O	X	0.0035	0.0115	0.0112	-0.0063	-0.0015	0.0019
			Y	-0.0105	-0.0081	-0.0088	0.0053	0.0166	0.0103
			Z	0.0016	-0.0075	0.0025	0.0023	0.0041	0.0062
AT.	74	O	X	0.0035	0.0115	-0.0112	0.0063	-0.0015	-0.0019
			Y	-0.0105	-0.0081	0.0088	-0.0053	0.0166	-0.0103
			Z	-0.0016	0.0075	0.0025	0.0023	-0.0041	0.0062
AT.	75	O	X	-0.0035	0.0115	0.0112	0.0063	0.0015	0.0019

	Y	-0.0105	0.0081	0.0088	0.0053	0.0166	-0.0103
	Z	0.0016	0.0075	-0.0025	0.0023	0.0041	-0.0062
AT. 76 O	X	-0.0035	0.0115	-0.0112	-0.0063	0.0015	-0.0019
	Y	-0.0105	0.0081	-0.0088	-0.0053	0.0166	0.0103
	Z	-0.0016	-0.0075	-0.0025	0.0023	-0.0041	-0.0062
AT. 77 O	X	-0.0005	0.0008	0.0020	0.0026	-0.0033	-0.0072
	Y	-0.0114	-0.0107	0.0125	-0.0082	-0.0016	-0.0048
	Z	0.0042	0.0108	-0.0176	-0.0010	0.0129	0.0056
AT. 78 O	X	-0.0005	0.0008	-0.0020	-0.0026	-0.0033	0.0072
	Y	-0.0114	-0.0107	-0.0125	0.0082	-0.0016	0.0048
	Z	-0.0042	-0.0108	-0.0176	-0.0010	-0.0129	0.0056
AT. 79 O	X	0.0005	0.0008	0.0020	-0.0026	0.0033	-0.0072
	Y	-0.0114	0.0107	-0.0125	-0.0082	-0.0016	0.0048
	Z	0.0042	-0.0108	0.0176	-0.0010	0.0129	-0.0056
AT. 80 O	X	0.0005	0.0008	-0.0020	0.0026	0.0033	0.0072
	Y	-0.0114	0.0107	0.0125	0.0082	-0.0016	-0.0048
	Z	-0.0042	0.0108	0.0176	-0.0010	-0.0129	-0.0056
AT. 81 O	X	-0.0005	0.0008	-0.0020	-0.0026	0.0033	0.0072
	Y	-0.0114	-0.0107	-0.0125	0.0082	0.0016	0.0048
	Z	0.0042	0.0108	0.0176	0.0010	-0.0129	-0.0056
AT. 82 O	X	-0.0005	0.0008	0.0020	0.0026	0.0033	-0.0072
	Y	-0.0114	-0.0107	0.0125	-0.0082	0.0016	-0.0048
	Z	-0.0042	-0.0108	0.0176	0.0010	0.0129	-0.0056
AT. 83 O	X	0.0005	0.0008	-0.0020	0.0026	-0.0033	0.0072
	Y	-0.0114	0.0107	0.0125	0.0082	0.0016	-0.0048
	Z	0.0042	-0.0108	-0.0176	0.0010	-0.0129	0.0056
AT. 84 O	X	0.0005	0.0008	0.0020	-0.0026	-0.0033	-0.0072
	Y	-0.0114	0.0107	-0.0125	-0.0082	0.0016	0.0048
	Z	-0.0042	0.0108	-0.0176	0.0010	0.0129	0.0056
AT. 85 O	X	0.0000	-0.0095	-0.0136	-0.0032	-0.0025	-0.0001
	Y	-0.0075	0.0041	0.0102	-0.0201	-0.0070	0.0135
	Z	-0.0013	-0.0087	0.0020	0.0122	-0.0012	-0.0058
AT. 86 O	X	0.0000	-0.0095	0.0136	0.0032	-0.0025	0.0001
	Y	-0.0075	0.0041	-0.0102	0.0201	-0.0070	-0.0135
	Z	0.0013	0.0087	0.0020	0.0122	0.0012	-0.0058
AT. 87 O	X	0.0000	-0.0095	-0.0136	0.0032	0.0025	-0.0001
	Y	-0.0075	-0.0041	-0.0102	-0.0201	-0.0070	-0.0135
	Z	-0.0013	0.0087	-0.0020	0.0122	-0.0012	0.0058
AT. 88 O	X	0.0000	-0.0095	0.0136	-0.0032	0.0025	0.0001
	Y	-0.0075	-0.0041	0.0102	0.0201	-0.0070	0.0135
	Z	0.0013	-0.0087	-0.0020	0.0122	0.0012	0.0058
AT. 89 O	X	0.0000	-0.0095	0.0136	0.0032	0.0025	0.0001
	Y	-0.0075	0.0041	-0.0102	0.0201	0.0070	-0.0135
	Z	-0.0013	-0.0087	-0.0020	-0.0122	0.0012	0.0058
AT. 90 O	X	0.0000	-0.0095	-0.0136	-0.0032	0.0025	-0.0001
	Y	-0.0075	0.0041	0.0102	-0.0201	0.0070	0.0135
	Z	0.0013	0.0087	-0.0020	-0.0122	-0.0012	0.0058
AT. 91 O	X	0.0000	-0.0095	0.0136	-0.0032	-0.0025	0.0001
	Y	-0.0075	-0.0041	0.0102	0.0201	0.0070	0.0135
	Z	-0.0013	0.0087	0.0020	-0.0122	0.0012	-0.0058
AT. 92 O	X	0.0000	-0.0095	-0.0136	0.0032	-0.0025	-0.0001
	Y	-0.0075	-0.0041	-0.0102	-0.0201	0.0070	-0.0135
	Z	0.0013	-0.0087	0.0020	-0.0122	-0.0012	-0.0058
AT. 93 O	X	-0.0020	-0.0118	0.0019	0.0046	0.0033	0.0097
	Y	-0.0001	-0.0016	0.0029	-0.0030	-0.0021	-0.0006
	Z	-0.0117	0.0007	0.0091	-0.0122	-0.0081	0.0126
AT. 94 O	X	-0.0020	-0.0118	-0.0019	-0.0046	0.0033	-0.0097
	Y	-0.0001	-0.0016	-0.0029	0.0030	-0.0021	0.0006
	Z	0.0117	-0.0007	0.0091	-0.0122	0.0081	0.0126
AT. 95 O	X	0.0020	-0.0118	0.0019	-0.0046	-0.0033	0.0097
	Y	-0.0001	0.0016	-0.0029	-0.0030	-0.0021	0.0006

	Z	-0.0117	-0.0007	-0.0091	-0.0122	-0.0081	-0.0126
AT. 96 O	X	0.0020	-0.0118	-0.0019	0.0046	-0.0033	-0.0097
	Y	-0.0001	0.0016	0.0029	0.0030	-0.0021	-0.0006
	Z	0.0117	0.0007	-0.0091	-0.0122	0.0081	-0.0126
AT. 97 O	X	-0.0020	-0.0118	-0.0019	-0.0046	-0.0033	-0.0097
	Y	-0.0001	-0.0016	-0.0029	0.0030	0.0021	0.0006
	Z	-0.0117	0.0007	-0.0091	0.0122	0.0081	-0.0126
AT. 98 O	X	-0.0020	-0.0118	0.0019	0.0046	-0.0033	0.0097
	Y	-0.0001	-0.0016	0.0029	-0.0030	0.0021	-0.0006
	Z	0.0117	-0.0007	-0.0091	0.0122	-0.0081	-0.0126
AT. 99 O	X	0.0020	-0.0118	-0.0019	0.0046	0.0033	-0.0097
	Y	-0.0001	0.0016	0.0029	0.0030	0.0021	-0.0006
	Z	-0.0117	-0.0007	0.0091	0.0122	0.0081	0.0126
AT. 100 O	X	0.0020	-0.0118	0.0019	-0.0046	0.0033	0.0097
	Y	-0.0001	0.0016	-0.0029	-0.0030	0.0021	0.0006
	Z	0.0117	0.0007	0.0091	0.0122	-0.0081	0.0126
AT. 101 O	X	-0.0054	0.0062	0.0022	-0.0036	-0.0009	-0.0020
	Y	0.0015	-0.0014	-0.0018	0.0128	0.0057	-0.0052
	Z	-0.0044	-0.0088	0.0046	0.0155	0.0006	-0.0064
AT. 102 O	X	-0.0054	0.0062	-0.0022	0.0036	-0.0009	0.0020
	Y	0.0015	-0.0014	0.0018	-0.0128	0.0057	0.0052
	Z	0.0044	0.0088	0.0046	0.0155	-0.0006	-0.0064
AT. 103 O	X	0.0054	0.0062	0.0022	0.0036	0.0009	-0.0020
	Y	0.0015	0.0014	0.0018	0.0128	0.0057	0.0052
	Z	-0.0044	0.0088	-0.0046	0.0155	0.0006	0.0064
AT. 104 O	X	0.0054	0.0062	-0.0022	-0.0036	0.0009	0.0020
	Y	0.0015	0.0014	-0.0018	-0.0128	0.0057	-0.0052
	Z	0.0044	-0.0088	-0.0046	0.0155	-0.0006	0.0064
AT. 105 O	X	-0.0054	0.0062	-0.0022	0.0036	0.0009	0.0020
	Y	0.0015	-0.0014	0.0018	-0.0128	-0.0057	0.0052
	Z	-0.0044	-0.0088	-0.0046	-0.0155	-0.0006	0.0064
AT. 106 O	X	-0.0054	0.0062	0.0022	-0.0036	0.0009	-0.0020
	Y	0.0015	-0.0014	-0.0018	0.0128	-0.0057	-0.0052
	Z	0.0044	0.0088	-0.0046	-0.0155	0.0006	0.0064
AT. 107 O	X	0.0054	0.0062	-0.0022	-0.0036	-0.0009	0.0020
	Y	0.0015	0.0014	-0.0018	-0.0128	-0.0057	-0.0052
	Z	-0.0044	0.0088	0.0046	-0.0155	-0.0006	-0.0064
AT. 108 O	X	0.0054	0.0062	0.0022	0.0036	-0.0009	-0.0020
	Y	0.0015	0.0014	0.0018	0.0128	-0.0057	0.0052
	Z	0.0044	-0.0088	0.0046	-0.0155	0.0006	-0.0064
AT. 109 O	X	-0.0014	-0.0079	-0.0049	0.0000	0.0014	0.0023
	Y	-0.0017	-0.0018	0.0093	0.0014	0.0098	0.0048
	Z	-0.0051	0.0048	0.0166	-0.0010	0.0057	-0.0028
AT. 110 O	X	-0.0014	-0.0079	0.0049	0.0000	0.0014	-0.0023
	Y	-0.0017	-0.0018	-0.0093	-0.0014	0.0098	-0.0048
	Z	0.0051	-0.0048	0.0166	-0.0010	-0.0057	-0.0028
AT. 111 O	X	0.0014	-0.0079	-0.0049	0.0000	-0.0014	0.0023
	Y	-0.0017	0.0018	-0.0093	0.0014	0.0098	-0.0048
	Z	-0.0051	-0.0048	-0.0166	-0.0010	0.0057	0.0028
AT. 112 O	X	0.0014	-0.0079	0.0049	0.0000	-0.0014	-0.0023
	Y	-0.0017	0.0018	0.0093	-0.0014	0.0098	0.0048
	Z	0.0051	0.0048	-0.0166	-0.0010	-0.0057	0.0028
AT. 113 O	X	-0.0014	-0.0079	0.0049	0.0000	-0.0014	-0.0023
	Y	-0.0017	-0.0018	-0.0093	-0.0014	-0.0098	-0.0048
	Z	-0.0051	0.0048	-0.0166	0.0010	-0.0057	0.0028
AT. 114 O	X	-0.0014	-0.0079	-0.0049	0.0000	-0.0014	0.0023
	Y	-0.0017	-0.0018	0.0093	0.0014	-0.0098	0.0048
	Z	0.0051	-0.0048	-0.0166	0.0010	0.0057	0.0028
AT. 115 O	X	0.0014	-0.0079	0.0049	0.0000	0.0014	-0.0023
	Y	-0.0017	0.0018	0.0093	-0.0014	-0.0098	0.0048
	Z	-0.0051	-0.0048	0.0166	0.0010	-0.0057	-0.0028

AT. 116 O	X	0.0014	-0.0079	-0.0049	0.0000	0.0014	0.0023
	Y	-0.0017	0.0018	-0.0093	0.0014	-0.0098	-0.0048
	Z	0.0051	0.0048	0.0166	0.0010	0.0057	-0.0028
AT. 117 O	X	-0.0127	0.0130	0.0128	-0.0019	-0.0047	-0.0118
	Y	-0.0004	-0.0027	-0.0004	0.0078	0.0022	0.0064
	Z	0.0108	0.0016	-0.0181	-0.0067	0.0082	0.0024
AT. 118 O	X	-0.0127	0.0130	-0.0128	0.0019	-0.0047	0.0118
	Y	-0.0004	-0.0027	0.0004	-0.0078	0.0022	-0.0064
	Z	-0.0108	-0.0016	-0.0181	-0.0067	-0.0082	0.0024
AT. 119 O	X	0.0127	0.0130	0.0128	0.0019	0.0047	-0.0118
	Y	-0.0004	0.0027	0.0004	0.0078	0.0022	-0.0064
	Z	0.0108	-0.0016	0.0181	-0.0067	0.0082	-0.0024
AT. 120 O	X	0.0127	0.0130	-0.0128	-0.0019	0.0047	0.0118
	Y	-0.0004	0.0027	-0.0004	-0.0078	0.0022	0.0064
	Z	-0.0108	0.0016	0.0181	-0.0067	-0.0082	-0.0024
AT. 121 O	X	-0.0127	0.0130	-0.0128	0.0019	0.0047	0.0118
	Y	-0.0004	-0.0027	0.0004	-0.0078	-0.0022	-0.0064
	Z	0.0108	0.0016	0.0181	0.0067	-0.0082	-0.0024
AT. 122 O	X	-0.0127	0.0130	0.0128	-0.0019	0.0047	-0.0118
	Y	-0.0004	-0.0027	-0.0004	0.0078	-0.0022	0.0064
	Z	-0.0108	-0.0016	0.0181	0.0067	0.0082	-0.0024
AT. 123 O	X	0.0127	0.0130	-0.0128	-0.0019	-0.0047	0.0118
	Y	-0.0004	0.0027	-0.0004	-0.0078	-0.0022	0.0064
	Z	0.0108	-0.0016	-0.0181	0.0067	-0.0082	0.0024
AT. 124 O	X	0.0127	0.0130	0.0128	0.0019	-0.0047	-0.0118
	Y	-0.0004	0.0027	0.0004	0.0078	-0.0022	-0.0064
	Z	-0.0108	0.0016	-0.0181	0.0067	0.0082	0.0024

FREQ(CM**-1)	222.47	222.93	224.71	227.14	227.30	228.92

AT. 1 SI	X	0.0013	-0.0031	-0.0041	-0.0037	0.0012	-0.0001
	Y	0.0041	-0.0031	-0.0015	0.0116	0.0022	-0.0035
	Z	0.0025	0.0025	-0.0100	0.0030	0.0079	0.0036
AT. 2 SI	X	0.0013	0.0031	-0.0041	0.0037	-0.0012	0.0001
	Y	0.0041	0.0031	-0.0015	-0.0116	-0.0022	0.0035
	Z	-0.0025	0.0025	0.0100	0.0030	0.0079	0.0036
AT. 3 SI	X	0.0013	0.0031	-0.0041	0.0037	0.0012	0.0001
	Y	-0.0041	-0.0031	0.0015	0.0116	-0.0022	-0.0035
	Z	-0.0025	0.0025	0.0100	0.0030	-0.0079	0.0036
AT. 4 SI	X	0.0013	-0.0031	-0.0041	-0.0037	-0.0012	-0.0001
	Y	-0.0041	0.0031	0.0015	-0.0116	0.0022	0.0035
	Z	0.0025	0.0025	-0.0100	0.0030	-0.0079	0.0036
AT. 5 SI	X	0.0013	-0.0031	0.0041	0.0037	0.0012	-0.0001
	Y	0.0041	-0.0031	0.0015	-0.0116	0.0022	-0.0035
	Z	0.0025	0.0025	0.0100	-0.0030	0.0079	0.0036
AT. 6 SI	X	0.0013	0.0031	0.0041	-0.0037	-0.0012	0.0001
	Y	0.0041	0.0031	0.0015	0.0116	-0.0022	0.0035
	Z	-0.0025	0.0025	-0.0100	-0.0030	0.0079	0.0036
AT. 7 SI	X	0.0013	0.0031	0.0041	-0.0037	0.0012	0.0001
	Y	-0.0041	-0.0031	-0.0015	-0.0116	-0.0022	-0.0035
	Z	-0.0025	0.0025	-0.0100	-0.0030	-0.0079	0.0036
AT. 8 SI	X	0.0013	-0.0031	0.0041	0.0037	-0.0012	-0.0001
	Y	-0.0041	0.0031	-0.0015	0.0116	0.0022	0.0035
	Z	0.0025	0.0025	0.0100	-0.0030	-0.0079	0.0036
AT. 9 SI	X	0.0040	-0.0057	0.0040	-0.0008	0.0052	0.0003
	Y	0.0039	0.0029	-0.0021	-0.0024	0.0141	-0.0009
	Z	-0.0006	-0.0043	0.0123	0.0067	-0.0046	-0.0082
AT. 10 SI	X	0.0040	0.0057	0.0040	0.0008	-0.0052	-0.0003
	Y	0.0039	-0.0029	-0.0021	0.0024	-0.0141	0.0009
	Z	0.0006	-0.0043	-0.0123	0.0067	-0.0046	-0.0082
AT. 11 SI	X	0.0040	0.0057	0.0040	0.0008	0.0052	-0.0003

	Y	-0.0039	0.0029	0.0021	-0.0024	-0.0141	-0.0009
	Z	0.0006	-0.0043	-0.0123	0.0067	0.0046	-0.0082
AT. 12 SI	X	0.0040	-0.0057	0.0040	-0.0008	-0.0052	0.0003
	Y	-0.0039	-0.0029	0.0021	0.0024	0.0141	0.0009
	Z	-0.0006	-0.0043	0.0123	0.0067	0.0046	-0.0082
AT. 13 SI	X	0.0040	-0.0057	-0.0040	0.0008	0.0052	0.0003
	Y	0.0039	0.0029	0.0021	0.0024	0.0141	-0.0009
	Z	-0.0006	-0.0043	-0.0123	-0.0067	-0.0046	-0.0082
AT. 14 SI	X	0.0040	0.0057	-0.0040	-0.0008	-0.0052	-0.0003
	Y	0.0039	-0.0029	0.0021	-0.0024	-0.0141	0.0009
	Z	0.0006	-0.0043	0.0123	-0.0067	-0.0046	-0.0082
AT. 15 SI	X	0.0040	0.0057	-0.0040	-0.0008	0.0052	-0.0003
	Y	-0.0039	0.0029	-0.0021	0.0024	-0.0141	-0.0009
	Z	0.0006	-0.0043	0.0123	-0.0067	0.0046	-0.0082
AT. 16 SI	X	0.0040	-0.0057	-0.0040	0.0008	-0.0052	0.0003
	Y	-0.0039	-0.0029	-0.0021	-0.0024	0.0141	0.0009
	Z	-0.0006	-0.0043	-0.0123	-0.0067	0.0046	-0.0082
AT. 17 SI	X	-0.0030	0.0051	0.0026	0.0048	0.0000	-0.0059
	Y	0.0000	0.0000	0.0000	0.0000	0.0061	0.0000
	Z	-0.0007	-0.0105	0.0080	0.0008	0.0000	0.0081
AT. 18 SI	X	-0.0030	-0.0051	0.0026	-0.0048	0.0000	0.0059
	Y	0.0000	0.0000	0.0000	0.0000	-0.0061	0.0000
	Z	0.0007	-0.0105	-0.0080	0.0008	0.0000	0.0081
AT. 19 SI	X	-0.0030	0.0051	-0.0026	-0.0048	0.0000	-0.0059
	Y	0.0000	0.0000	0.0000	0.0000	0.0061	0.0000
	Z	-0.0007	-0.0105	-0.0080	-0.0008	0.0000	0.0081
AT. 20 SI	X	-0.0030	-0.0051	-0.0026	0.0048	0.0000	0.0059
	Y	0.0000	0.0000	0.0000	0.0000	-0.0061	0.0000
	Z	0.0007	-0.0105	0.0080	-0.0008	0.0000	0.0081
AT. 21 CA	X	-0.0007	0.0140	-0.0072	0.0093	-0.0016	0.0072
	Y	-0.0001	-0.0066	0.0035	0.0004	0.0065	-0.0120
	Z	0.0056	-0.0114	-0.0215	0.0144	0.0043	-0.0066
AT. 22 CA	X	-0.0007	-0.0140	-0.0072	-0.0093	0.0016	-0.0072
	Y	-0.0001	0.0066	0.0035	-0.0004	-0.0065	0.0120
	Z	-0.0056	-0.0114	0.0215	0.0144	0.0043	-0.0066
AT. 23 CA	X	-0.0007	-0.0140	-0.0072	-0.0093	-0.0016	-0.0072
	Y	0.0001	-0.0066	-0.0035	0.0004	-0.0065	-0.0120
	Z	-0.0056	-0.0114	0.0215	0.0144	-0.0043	-0.0066
AT. 24 CA	X	-0.0007	0.0140	-0.0072	0.0093	0.0016	0.0072
	Y	0.0001	0.0066	-0.0035	-0.0004	0.0065	0.0120
	Z	0.0056	-0.0114	-0.0215	0.0144	-0.0043	-0.0066
AT. 25 CA	X	-0.0007	0.0140	0.0072	-0.0093	-0.0016	0.0072
	Y	-0.0001	-0.0066	-0.0035	-0.0004	0.0065	-0.0120
	Z	0.0056	-0.0114	0.0215	-0.0144	0.0043	-0.0066
AT. 26 CA	X	-0.0007	-0.0140	0.0072	0.0093	0.0016	-0.0072
	Y	-0.0001	0.0066	-0.0035	0.0004	-0.0065	0.0120
	Z	-0.0056	-0.0114	-0.0215	-0.0144	0.0043	-0.0066
AT. 27 CA	X	-0.0007	-0.0140	0.0072	0.0093	-0.0016	-0.0072
	Y	0.0001	-0.0066	0.0035	-0.0004	-0.0065	-0.0120
	Z	-0.0056	-0.0114	-0.0215	-0.0144	-0.0043	-0.0066
AT. 28 CA	X	-0.0007	0.0140	0.0072	-0.0093	0.0016	0.0072
	Y	0.0001	0.0066	0.0035	0.0004	0.0065	0.0120
	Z	0.0056	-0.0114	0.0215	-0.0144	-0.0043	-0.0066
AT. 29 CA	X	0.0097	0.0066	0.0000	0.0000	-0.0047	-0.0173
	Y	-0.0004	0.0102	0.0000	0.0000	-0.0048	0.0217
	Z	0.0046	-0.0054	0.0000	0.0000	0.0149	0.0076
AT. 30 CA	X	0.0097	-0.0066	0.0000	0.0000	0.0047	0.0173
	Y	-0.0004	-0.0102	0.0000	0.0000	0.0048	-0.0217
	Z	-0.0046	-0.0054	0.0000	0.0000	0.0149	0.0076
AT. 31 CA	X	0.0097	-0.0066	0.0000	0.0000	-0.0047	0.0173
	Y	0.0004	0.0102	0.0000	0.0000	0.0048	0.0217

		Z	-0.0046	-0.0054	0.0000	0.0000	-0.0149	0.0076
AT.	32	CA X	0.0097	0.0066	0.0000	0.0000	0.0047	-0.0173
		Y	0.0004	-0.0102	0.0000	0.0000	-0.0048	-0.0217
		Z	0.0046	-0.0054	0.0000	0.0000	-0.0149	0.0076
AT.	33	CA X	-0.0091	-0.0062	0.0042	-0.0125	0.0003	0.0097
		Y	-0.0071	0.0014	-0.0001	-0.0072	-0.0146	0.0026
		Z	-0.0018	0.0069	0.0061	-0.0007	-0.0077	-0.0012
AT.	34	CA X	-0.0091	0.0062	0.0042	0.0125	-0.0003	-0.0097
		Y	-0.0071	-0.0014	-0.0001	0.0072	0.0146	-0.0026
		Z	0.0018	0.0069	-0.0061	-0.0007	-0.0077	-0.0012
AT.	35	CA X	-0.0091	0.0062	0.0042	0.0125	0.0003	-0.0097
		Y	0.0071	0.0014	0.0001	-0.0072	0.0146	0.0026
		Z	0.0018	0.0069	-0.0061	-0.0007	0.0077	-0.0012
AT.	36	CA X	-0.0091	-0.0062	0.0042	-0.0125	-0.0003	0.0097
		Y	0.0071	-0.0014	0.0001	0.0072	-0.0146	-0.0026
		Z	-0.0018	0.0069	0.0061	-0.0007	0.0077	-0.0012
AT.	37	CA X	-0.0091	-0.0062	-0.0042	0.0125	0.0003	0.0097
		Y	-0.0071	0.0014	0.0001	0.0072	-0.0146	0.0026
		Z	-0.0018	0.0069	-0.0061	0.0007	-0.0077	-0.0012
AT.	38	CA X	-0.0091	0.0062	-0.0042	-0.0125	-0.0003	-0.0097
		Y	-0.0071	-0.0014	0.0001	-0.0072	0.0146	-0.0026
		Z	0.0018	0.0069	0.0061	0.0007	-0.0077	-0.0012
AT.	39	CA X	-0.0091	0.0062	-0.0042	-0.0125	0.0003	-0.0097
		Y	0.0071	0.0014	-0.0001	0.0072	0.0146	0.0026
		Z	0.0018	0.0069	0.0061	0.0007	0.0077	-0.0012
AT.	40	CA X	-0.0091	-0.0062	-0.0042	0.0125	-0.0003	0.0097
		Y	0.0071	-0.0014	-0.0001	-0.0072	-0.0146	-0.0026
		Z	-0.0018	0.0069	-0.0061	0.0007	0.0077	-0.0012
AT.	41	CA X	-0.0061	0.0082	-0.0018	0.0017	-0.0073	-0.0052
		Y	-0.0023	-0.0046	-0.0046	0.0153	-0.0010	0.0159
		Z	-0.0198	0.0158	-0.0092	0.0068	-0.0003	0.0104
AT.	42	CA X	-0.0061	-0.0082	-0.0018	-0.0017	0.0073	0.0052
		Y	-0.0023	0.0046	-0.0046	-0.0153	0.0010	-0.0159
		Z	0.0198	0.0158	0.0092	0.0068	-0.0003	0.0104
AT.	43	CA X	-0.0061	-0.0082	-0.0018	-0.0017	-0.0073	0.0052
		Y	0.0023	-0.0046	0.0046	0.0153	0.0010	0.0159
		Z	0.0198	0.0158	0.0092	0.0068	0.0003	0.0104
AT.	44	CA X	-0.0061	0.0082	-0.0018	0.0017	0.0073	-0.0052
		Y	0.0023	0.0046	0.0046	-0.0153	-0.0010	-0.0159
		Z	-0.0198	0.0158	-0.0092	0.0068	0.0003	0.0104
AT.	45	CA X	-0.0061	0.0082	0.0018	-0.0017	-0.0073	-0.0052
		Y	-0.0023	-0.0046	0.0046	-0.0153	-0.0010	0.0159
		Z	-0.0198	0.0158	0.0092	-0.0068	-0.0003	0.0104
AT.	46	CA X	-0.0061	-0.0082	0.0018	0.0017	0.0073	0.0052
		Y	-0.0023	0.0046	0.0046	0.0153	0.0010	-0.0159
		Z	0.0198	0.0158	-0.0092	-0.0068	-0.0003	0.0104
AT.	47	CA X	-0.0061	-0.0082	0.0018	0.0017	-0.0073	0.0052
		Y	0.0023	-0.0046	-0.0046	-0.0153	0.0010	0.0159
		Z	0.0198	0.0158	-0.0092	-0.0068	0.0003	0.0104
AT.	48	CA X	-0.0061	0.0082	0.0018	-0.0017	0.0073	-0.0052
		Y	0.0023	0.0046	-0.0046	0.0153	-0.0010	-0.0159
		Z	-0.0198	0.0158	0.0092	-0.0068	0.0003	0.0104
AT.	49	CA X	0.0024	0.0058	-0.0119	0.0016	0.0000	0.0045
		Y	0.0000	0.0000	0.0000	0.0000	0.0078	0.0000
		Z	0.0101	0.0052	-0.0077	0.0051	0.0000	-0.0087
AT.	50	CA X	0.0024	-0.0058	-0.0119	-0.0016	0.0000	-0.0045
		Y	0.0000	0.0000	0.0000	0.0000	-0.0078	0.0000
		Z	-0.0101	0.0052	0.0077	0.0051	0.0000	-0.0087
AT.	51	CA X	0.0024	0.0058	0.0119	-0.0016	0.0000	0.0045
		Y	0.0000	0.0000	0.0000	0.0000	0.0078	0.0000
		Z	0.0101	0.0052	0.0077	-0.0051	0.0000	-0.0087

AT.	52	CA	X	0.0024	-0.0058	0.0119	0.0016	0.0000	-0.0045
			Y	0.0000	0.0000	0.0000	0.0000	-0.0078	0.0000
			Z	-0.0101	0.0052	-0.0077	-0.0051	0.0000	-0.0087
AT.	53	O	X	0.0081	-0.0038	-0.0031	0.0033	0.0057	0.0030
			Y	0.0016	-0.0030	-0.0012	0.0066	-0.0004	-0.0038
			Z	0.0005	-0.0059	-0.0084	-0.0120	-0.0004	-0.0013
AT.	54	O	X	0.0081	0.0038	-0.0031	-0.0033	-0.0057	-0.0030
			Y	0.0016	0.0030	-0.0012	-0.0066	0.0004	0.0038
			Z	-0.0005	-0.0059	0.0084	-0.0120	-0.0004	-0.0013
AT.	55	O	X	0.0081	0.0038	-0.0031	-0.0033	0.0057	-0.0030
			Y	-0.0016	-0.0030	0.0012	0.0066	0.0004	-0.0038
			Z	-0.0005	-0.0059	0.0084	-0.0120	0.0004	-0.0013
AT.	56	O	X	0.0081	-0.0038	-0.0031	0.0033	-0.0057	0.0030
			Y	-0.0016	0.0030	0.0012	-0.0066	-0.0004	0.0038
			Z	0.0005	-0.0059	-0.0084	-0.0120	0.0004	-0.0013
AT.	57	O	X	0.0081	-0.0038	0.0031	-0.0033	0.0057	0.0030
			Y	0.0016	-0.0030	0.0012	-0.0066	-0.0004	-0.0038
			Z	0.0005	-0.0059	0.0084	0.0120	-0.0004	-0.0013
AT.	58	O	X	0.0081	0.0038	0.0031	0.0033	-0.0057	-0.0030
			Y	0.0016	0.0030	0.0012	0.0066	0.0004	0.0038
			Z	-0.0005	-0.0059	-0.0084	0.0120	-0.0004	-0.0013
AT.	59	O	X	0.0081	0.0038	0.0031	0.0033	0.0057	-0.0030
			Y	-0.0016	-0.0030	-0.0012	-0.0066	0.0004	-0.0038
			Z	-0.0005	-0.0059	-0.0084	0.0120	0.0004	-0.0013
AT.	60	O	X	0.0081	-0.0038	0.0031	-0.0033	-0.0057	0.0030
			Y	-0.0016	0.0030	-0.0012	0.0066	-0.0004	0.0038
			Z	0.0005	-0.0059	0.0084	0.0120	0.0004	-0.0013
AT.	61	O	X	-0.0100	0.0016	-0.0016	-0.0027	-0.0038	0.0023
			Y	-0.0017	-0.0073	-0.0019	-0.0059	-0.0086	-0.0037
			Z	-0.0013	0.0071	-0.0095	0.0128	0.0090	0.0045
AT.	62	O	X	-0.0100	-0.0016	-0.0016	0.0027	0.0038	-0.0023
			Y	-0.0017	0.0073	-0.0019	0.0059	0.0086	0.0037
			Z	0.0013	0.0071	0.0095	0.0128	0.0090	0.0045
AT.	63	O	X	-0.0100	-0.0016	-0.0016	0.0027	-0.0038	-0.0023
			Y	0.0017	-0.0073	0.0019	-0.0059	0.0086	-0.0037
			Z	0.0013	0.0071	0.0095	0.0128	-0.0090	0.0045
AT.	64	O	X	-0.0100	0.0016	-0.0016	-0.0027	0.0038	0.0023
			Y	0.0017	0.0073	0.0019	0.0059	-0.0086	0.0037
			Z	-0.0013	0.0071	-0.0095	0.0128	-0.0090	0.0045
AT.	65	O	X	-0.0100	0.0016	0.0016	0.0027	-0.0038	0.0023
			Y	-0.0017	-0.0073	0.0019	0.0059	-0.0086	-0.0037
			Z	-0.0013	0.0071	0.0095	-0.0128	0.0090	0.0045
AT.	66	O	X	-0.0100	-0.0016	0.0016	-0.0027	0.0038	-0.0023
			Y	-0.0017	0.0073	0.0019	-0.0059	0.0086	0.0037
			Z	0.0013	0.0071	-0.0095	-0.0128	0.0090	0.0045
AT.	67	O	X	-0.0100	-0.0016	0.0016	-0.0027	-0.0038	-0.0023
			Y	0.0017	-0.0073	-0.0019	0.0059	0.0086	-0.0037
			Z	0.0013	0.0071	-0.0095	-0.0128	-0.0090	0.0045
AT.	68	O	X	-0.0100	0.0016	0.0016	0.0027	0.0038	0.0023
			Y	0.0017	0.0073	-0.0019	-0.0059	-0.0086	0.0037
			Z	-0.0013	0.0071	0.0095	-0.0128	-0.0090	0.0045
AT.	69	O	X	0.0021	0.0018	-0.0132	-0.0069	0.0008	0.0007
			Y	0.0036	0.0009	-0.0004	0.0248	0.0062	-0.0027
			Z	0.0023	-0.0007	-0.0060	0.0091	0.0109	0.0026
AT.	70	O	X	0.0021	-0.0018	-0.0132	0.0069	-0.0008	-0.0007
			Y	0.0036	-0.0009	-0.0004	-0.0248	-0.0062	0.0027
			Z	-0.0023	-0.0007	0.0060	0.0091	0.0109	0.0026
AT.	71	O	X	0.0021	-0.0018	-0.0132	0.0069	0.0008	-0.0007
			Y	-0.0036	0.0009	0.0004	0.0248	-0.0062	-0.0027
			Z	-0.0023	-0.0007	0.0060	0.0091	-0.0109	0.0026
AT.	72	O	X	0.0021	0.0018	-0.0132	-0.0069	-0.0008	0.0007

		Y	-0.0036	-0.0009	0.0004	-0.0248	0.0062	0.0027
		Z	0.0023	-0.0007	-0.0060	0.0091	-0.0109	0.0026
AT.	73 O	X	0.0021	0.0018	0.0132	0.0069	0.0008	0.0007
		Y	0.0036	0.0009	0.0004	-0.0248	0.0062	-0.0027
		Z	0.0023	-0.0007	0.0060	-0.0091	0.0109	0.0026
AT.	74 O	X	0.0021	-0.0018	0.0132	-0.0069	-0.0008	-0.0007
		Y	0.0036	-0.0009	0.0004	0.0248	-0.0062	0.0027
		Z	-0.0023	-0.0007	-0.0060	-0.0091	0.0109	0.0026
AT.	75 O	X	0.0021	-0.0018	0.0132	-0.0069	0.0008	-0.0007
		Y	-0.0036	0.0009	-0.0004	-0.0248	-0.0062	-0.0027
		Z	-0.0023	-0.0007	-0.0060	-0.0091	-0.0109	0.0026
AT.	76 O	X	0.0021	0.0018	0.0132	0.0069	-0.0008	0.0007
		Y	-0.0036	-0.0009	-0.0004	0.0248	0.0062	0.0027
		Z	0.0023	-0.0007	0.0060	-0.0091	-0.0109	0.0026
AT.	77 O	X	0.0008	-0.0020	-0.0050	-0.0032	0.0008	0.0004
		Y	0.0134	0.0003	0.0026	0.0080	0.0028	0.0021
		Z	0.0062	-0.0035	-0.0170	-0.0060	0.0068	-0.0005
AT.	78 O	X	0.0008	0.0020	-0.0050	0.0032	-0.0008	-0.0004
		Y	0.0134	-0.0003	0.0026	-0.0080	-0.0028	-0.0021
		Z	-0.0062	-0.0035	0.0170	-0.0060	0.0068	-0.0005
AT.	79 O	X	0.0008	0.0020	-0.0050	0.0032	0.0008	-0.0004
		Y	-0.0134	0.0003	-0.0026	0.0080	-0.0028	0.0021
		Z	-0.0062	-0.0035	0.0170	-0.0060	-0.0068	-0.0005
AT.	80 O	X	0.0008	-0.0020	-0.0050	-0.0032	-0.0008	0.0004
		Y	-0.0134	-0.0003	-0.0026	-0.0080	0.0028	-0.0021
		Z	0.0062	-0.0035	-0.0170	-0.0060	-0.0068	-0.0005
AT.	81 O	X	0.0008	-0.0020	0.0050	0.0032	0.0008	0.0004
		Y	0.0134	0.0003	-0.0026	-0.0080	0.0028	0.0021
		Z	0.0062	-0.0035	0.0170	0.0060	0.0068	-0.0005
AT.	82 O	X	0.0008	0.0020	0.0050	-0.0032	-0.0008	-0.0004
		Y	0.0134	-0.0003	-0.0026	0.0080	-0.0028	-0.0021
		Z	-0.0062	-0.0035	-0.0170	0.0060	0.0068	-0.0005
AT.	83 O	X	0.0008	0.0020	0.0050	-0.0032	0.0008	-0.0004
		Y	-0.0134	0.0003	0.0026	-0.0080	-0.0028	0.0021
		Z	-0.0062	-0.0035	-0.0170	0.0060	-0.0068	-0.0005
AT.	84 O	X	0.0008	-0.0020	0.0050	0.0032	-0.0008	0.0004
		Y	-0.0134	-0.0003	0.0026	0.0080	0.0028	-0.0021
		Z	0.0062	-0.0035	0.0170	0.0060	-0.0068	-0.0005
AT.	85 O	X	0.0089	-0.0069	-0.0078	0.0027	0.0125	0.0031
		Y	0.0227	0.0181	-0.0025	0.0027	0.0211	-0.0098
		Z	-0.0097	-0.0125	0.0051	0.0032	-0.0065	-0.0007
AT.	86 O	X	0.0089	0.0069	-0.0078	-0.0027	-0.0125	-0.0031
		Y	0.0227	-0.0181	-0.0025	-0.0027	-0.0211	0.0098
		Z	0.0097	-0.0125	-0.0051	0.0032	-0.0065	-0.0007
AT.	87 O	X	0.0089	0.0069	-0.0078	-0.0027	0.0125	-0.0031
		Y	-0.0227	0.0181	0.0025	0.0027	-0.0211	-0.0098
		Z	0.0097	-0.0125	-0.0051	0.0032	0.0065	-0.0007
AT.	88 O	X	0.0089	-0.0069	-0.0078	0.0027	-0.0125	0.0031
		Y	-0.0227	-0.0181	0.0025	-0.0027	0.0211	0.0098
		Z	-0.0097	-0.0125	0.0051	0.0032	0.0065	-0.0007
AT.	89 O	X	0.0089	-0.0069	0.0078	-0.0027	0.0125	0.0031
		Y	0.0227	0.0181	0.0025	-0.0027	0.0211	-0.0098
		Z	-0.0097	-0.0125	-0.0051	-0.0032	-0.0065	-0.0007
AT.	90 O	X	0.0089	0.0069	0.0078	0.0027	-0.0125	-0.0031
		Y	0.0227	-0.0181	0.0025	0.0027	-0.0211	0.0098
		Z	0.0097	-0.0125	0.0051	-0.0032	-0.0065	-0.0007
AT.	91 O	X	0.0089	0.0069	0.0078	0.0027	0.0125	-0.0031
		Y	-0.0227	0.0181	-0.0025	-0.0027	-0.0211	-0.0098
		Z	0.0097	-0.0125	0.0051	-0.0032	0.0065	-0.0007
AT.	92 O	X	0.0089	-0.0069	0.0078	-0.0027	-0.0125	0.0031
		Y	-0.0227	-0.0181	-0.0025	0.0027	0.0211	0.0098

	Z	-0.0097	-0.0125	-0.0051	-0.0032	0.0065	-0.0007
AT. 93 O	X	0.0039	-0.0041	0.0106	-0.0058	0.0076	-0.0025
	Y	0.0008	-0.0002	-0.0031	-0.0006	0.0093	0.0012
	Z	0.0214	0.0151	0.0089	0.0108	0.0102	-0.0155
AT. 94 O	X	0.0039	0.0041	0.0106	0.0058	-0.0076	0.0025
	Y	0.0008	0.0002	-0.0031	0.0006	-0.0093	-0.0012
	Z	-0.0214	0.0151	-0.0089	0.0108	0.0102	-0.0155
AT. 95 O	X	0.0039	0.0041	0.0106	0.0058	0.0076	0.0025
	Y	-0.0008	-0.0002	0.0031	-0.0006	-0.0093	0.0012
	Z	-0.0214	0.0151	-0.0089	0.0108	-0.0102	-0.0155
AT. 96 O	X	0.0039	-0.0041	0.0106	-0.0058	-0.0076	-0.0025
	Y	-0.0008	0.0002	0.0031	0.0006	0.0093	-0.0012
	Z	0.0214	0.0151	0.0089	0.0108	-0.0102	-0.0155
AT. 97 O	X	0.0039	-0.0041	-0.0106	0.0058	0.0076	-0.0025
	Y	0.0008	-0.0002	0.0031	0.0006	0.0093	0.0012
	Z	0.0214	0.0151	-0.0089	-0.0108	0.0102	-0.0155
AT. 98 O	X	0.0039	0.0041	-0.0106	-0.0058	-0.0076	0.0025
	Y	0.0008	0.0002	0.0031	-0.0006	-0.0093	-0.0012
	Z	-0.0214	0.0151	0.0089	-0.0108	0.0102	-0.0155
AT. 99 O	X	0.0039	0.0041	-0.0106	-0.0058	0.0076	0.0025
	Y	-0.0008	-0.0002	-0.0031	0.0006	-0.0093	0.0012
	Z	-0.0214	0.0151	0.0089	-0.0108	-0.0102	-0.0155
AT. 100 O	X	0.0039	-0.0041	-0.0106	0.0058	-0.0076	-0.0025
	Y	-0.0008	0.0002	-0.0031	-0.0006	0.0093	-0.0012
	Z	0.0214	0.0151	-0.0089	-0.0108	-0.0102	-0.0155
AT. 101 O	X	0.0037	0.0061	0.0083	0.0076	-0.0043	-0.0119
	Y	-0.0187	-0.0108	-0.0006	-0.0054	0.0035	0.0033
	Z	-0.0155	-0.0180	0.0097	-0.0001	-0.0078	0.0023
AT. 102 O	X	0.0037	-0.0061	0.0083	-0.0076	0.0043	0.0119
	Y	-0.0187	0.0108	-0.0006	0.0054	-0.0035	-0.0033
	Z	0.0155	-0.0180	-0.0097	-0.0001	-0.0078	0.0023
AT. 103 O	X	0.0037	-0.0061	0.0083	-0.0076	-0.0043	0.0119
	Y	0.0187	-0.0108	0.0006	-0.0054	-0.0035	0.0033
	Z	0.0155	-0.0180	-0.0097	-0.0001	0.0078	0.0023
AT. 104 O	X	0.0037	0.0061	0.0083	0.0076	0.0043	-0.0119
	Y	0.0187	0.0108	0.0006	0.0054	0.0035	-0.0033
	Z	-0.0155	-0.0180	0.0097	-0.0001	0.0078	0.0023
AT. 105 O	X	0.0037	0.0061	-0.0083	-0.0076	-0.0043	-0.0119
	Y	-0.0187	-0.0108	0.0006	0.0054	0.0035	0.0033
	Z	-0.0155	-0.0180	-0.0097	0.0001	-0.0078	0.0023
AT. 106 O	X	0.0037	-0.0061	-0.0083	0.0076	0.0043	0.0119
	Y	-0.0187	0.0108	0.0006	-0.0054	-0.0035	-0.0033
	Z	0.0155	-0.0180	0.0097	0.0001	-0.0078	0.0023
AT. 107 O	X	0.0037	-0.0061	-0.0083	0.0076	-0.0043	0.0119
	Y	0.0187	-0.0108	-0.0006	0.0054	-0.0035	0.0033
	Z	0.0155	-0.0180	0.0097	0.0001	0.0078	0.0023
AT. 108 O	X	0.0037	0.0061	-0.0083	-0.0076	0.0043	-0.0119
	Y	0.0187	0.0108	-0.0006	-0.0054	0.0035	-0.0033
	Z	-0.0155	-0.0180	-0.0097	0.0001	0.0078	0.0023
AT. 109 O	X	0.0048	-0.0047	0.0029	-0.0005	0.0064	-0.0004
	Y	-0.0026	-0.0014	0.0112	-0.0143	0.0015	-0.0004
	Z	-0.0063	0.0087	0.0138	-0.0036	-0.0168	-0.0081
AT. 110 O	X	0.0048	0.0047	0.0029	0.0005	-0.0064	0.0004
	Y	-0.0026	0.0014	0.0112	0.0143	-0.0015	0.0004
	Z	0.0063	0.0087	-0.0138	-0.0036	-0.0168	-0.0081
AT. 111 O	X	0.0048	0.0047	0.0029	0.0005	0.0064	0.0004
	Y	0.0026	-0.0014	-0.0112	-0.0143	-0.0015	-0.0004
	Z	0.0063	0.0087	-0.0138	-0.0036	0.0168	-0.0081
AT. 112 O	X	0.0048	-0.0047	0.0029	-0.0005	-0.0064	-0.0004
	Y	0.0026	0.0014	-0.0112	0.0143	0.0015	0.0004
	Z	-0.0063	0.0087	0.0138	-0.0036	0.0168	-0.0081

AT. 113 O	X	0.0048	-0.0047	-0.0029	0.0005	0.0064	-0.0004
	Y	-0.0026	-0.0014	-0.0112	0.0143	0.0015	-0.0004
	Z	-0.0063	0.0087	-0.0138	0.0036	-0.0168	-0.0081
AT. 114 O	X	0.0048	0.0047	-0.0029	-0.0005	-0.0064	0.0004
	Y	-0.0026	0.0014	-0.0112	-0.0143	-0.0015	0.0004
	Z	0.0063	0.0087	0.0138	0.0036	-0.0168	-0.0081
AT. 115 O	X	0.0048	0.0047	-0.0029	-0.0005	0.0064	0.0004
	Y	0.0026	-0.0014	0.0112	0.0143	-0.0015	-0.0004
	Z	0.0063	0.0087	0.0138	0.0036	0.0168	-0.0081
AT. 116 O	X	0.0048	-0.0047	-0.0029	0.0005	-0.0064	-0.0004
	Y	0.0026	0.0014	0.0112	-0.0143	0.0015	0.0004
	Z	-0.0063	0.0087	-0.0138	0.0036	0.0168	-0.0081
AT. 117 O	X	-0.0043	0.0069	0.0003	0.0040	-0.0148	-0.0072
	Y	-0.0063	-0.0074	0.0121	0.0013	0.0060	-0.0034
	Z	0.0058	-0.0051	-0.0027	-0.0004	0.0136	0.0123
AT. 118 O	X	-0.0043	-0.0069	0.0003	-0.0040	0.0148	0.0072
	Y	-0.0063	0.0074	0.0121	-0.0013	-0.0060	0.0034
	Z	-0.0058	-0.0051	0.0027	-0.0004	0.0136	0.0123
AT. 119 O	X	-0.0043	-0.0069	0.0003	-0.0040	-0.0148	0.0072
	Y	0.0063	-0.0074	-0.0121	0.0013	-0.0060	-0.0034
	Z	-0.0058	-0.0051	0.0027	-0.0004	-0.0136	0.0123
AT. 120 O	X	-0.0043	0.0069	0.0003	0.0040	0.0148	-0.0072
	Y	0.0063	0.0074	-0.0121	-0.0013	0.0060	0.0034
	Z	0.0058	-0.0051	-0.0027	-0.0004	-0.0136	0.0123
AT. 121 O	X	-0.0043	0.0069	-0.0003	-0.0040	-0.0148	-0.0072
	Y	-0.0063	-0.0074	-0.0121	-0.0013	0.0060	-0.0034
	Z	0.0058	-0.0051	0.0027	0.0004	0.0136	0.0123
AT. 122 O	X	-0.0043	-0.0069	-0.0003	0.0040	0.0148	0.0072
	Y	-0.0063	0.0074	-0.0121	0.0013	-0.0060	0.0034
	Z	-0.0058	-0.0051	-0.0027	0.0004	0.0136	0.0123
AT. 123 O	X	-0.0043	-0.0069	-0.0003	0.0040	-0.0148	0.0072
	Y	0.0063	-0.0074	0.0121	-0.0013	-0.0060	-0.0034
	Z	-0.0058	-0.0051	-0.0027	0.0004	-0.0136	0.0123
AT. 124 O	X	-0.0043	0.0069	-0.0003	-0.0040	0.0148	-0.0072
	Y	0.0063	0.0074	0.0121	0.0013	0.0060	0.0034
	Z	0.0058	-0.0051	0.0027	0.0004	-0.0136	0.0123

FREQ(CM**-1)	230.89	235.06	235.30	236.28	237.66	240.41

AT. 1 SI	X	0.0022	-0.0023	0.0014	0.0029	-0.0086	-0.0030
	Y	-0.0007	-0.0081	0.0044	0.0047	0.0012	-0.0086
	Z	-0.0024	-0.0094	-0.0039	-0.0063	0.0060	-0.0102
AT. 2 SI	X	0.0022	0.0023	0.0014	-0.0029	-0.0086	-0.0030
	Y	-0.0007	0.0081	0.0044	-0.0047	0.0012	-0.0086
	Z	0.0024	-0.0094	0.0039	-0.0063	-0.0060	0.0102
AT. 3 SI	X	-0.0022	-0.0023	-0.0014	0.0029	0.0086	-0.0030
	Y	-0.0007	0.0081	0.0044	-0.0047	0.0012	0.0086
	Z	-0.0024	0.0094	-0.0039	0.0063	0.0060	0.0102
AT. 4 SI	X	-0.0022	0.0023	-0.0014	-0.0029	0.0086	-0.0030
	Y	-0.0007	-0.0081	0.0044	0.0047	0.0012	0.0086
	Z	0.0024	0.0094	0.0039	0.0063	-0.0060	-0.0102
AT. 5 SI	X	0.0022	0.0023	0.0014	0.0029	0.0086	0.0030
	Y	-0.0007	0.0081	0.0044	0.0047	-0.0012	0.0086
	Z	-0.0024	0.0094	-0.0039	-0.0063	-0.0060	0.0102
AT. 6 SI	X	0.0022	-0.0023	0.0014	-0.0029	0.0086	0.0030
	Y	-0.0007	-0.0081	0.0044	-0.0047	-0.0012	0.0086
	Z	0.0024	0.0094	0.0039	-0.0063	0.0060	-0.0102
AT. 7 SI	X	-0.0022	0.0023	-0.0014	0.0029	-0.0086	0.0030
	Y	-0.0007	-0.0081	0.0044	-0.0047	-0.0012	-0.0086
	Z	-0.0024	-0.0094	-0.0039	0.0063	-0.0060	-0.0102
AT. 8 SI	X	-0.0022	-0.0023	-0.0014	-0.0029	-0.0086	0.0030

		Y	-0.0007	0.0081	0.0044	0.0047	-0.0012	-0.0086
		Z	0.0024	-0.0094	0.0039	0.0063	0.0060	0.0102
AT.	9 SI	X	-0.0018	0.0033	-0.0021	0.0006	0.0061	0.0006
		Y	0.0046	-0.0004	0.0045	0.0011	0.0051	0.0045
		Z	0.0049	0.0008	0.0032	0.0048	-0.0057	-0.0020
AT.	10 SI	X	-0.0018	-0.0033	-0.0021	-0.0006	0.0061	0.0006
		Y	0.0046	0.0004	0.0045	-0.0011	0.0051	0.0045
		Z	-0.0049	0.0008	-0.0032	0.0048	0.0057	0.0020
AT.	11 SI	X	0.0018	0.0033	0.0021	0.0006	-0.0061	0.0006
		Y	0.0046	0.0004	0.0045	-0.0011	0.0051	-0.0045
		Z	0.0049	-0.0008	0.0032	-0.0048	-0.0057	0.0020
AT.	12 SI	X	0.0018	-0.0033	0.0021	-0.0006	-0.0061	0.0006
		Y	0.0046	-0.0004	0.0045	0.0011	0.0051	-0.0045
		Z	-0.0049	-0.0008	-0.0032	-0.0048	0.0057	-0.0020
AT.	13 SI	X	-0.0018	-0.0033	-0.0021	0.0006	-0.0061	-0.0006
		Y	0.0046	0.0004	0.0045	0.0011	-0.0051	-0.0045
		Z	0.0049	-0.0008	0.0032	0.0048	0.0057	0.0020
AT.	14 SI	X	-0.0018	0.0033	-0.0021	-0.0006	-0.0061	-0.0006
		Y	0.0046	-0.0004	0.0045	-0.0011	-0.0051	-0.0045
		Z	-0.0049	-0.0008	-0.0032	0.0048	-0.0057	-0.0020
AT.	15 SI	X	0.0018	-0.0033	0.0021	0.0006	0.0061	-0.0006
		Y	0.0046	-0.0004	0.0045	-0.0011	-0.0051	0.0045
		Z	0.0049	0.0008	0.0032	-0.0048	0.0057	-0.0020
AT.	16 SI	X	0.0018	0.0033	0.0021	-0.0006	0.0061	-0.0006
		Y	0.0046	0.0004	0.0045	0.0011	-0.0051	0.0045
		Z	-0.0049	0.0008	-0.0032	-0.0048	-0.0057	0.0020
AT.	17 SI	X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0045
		Y	-0.0058	0.0021	-0.0041	-0.0079	0.0069	0.0000
		Z	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0075
AT.	18 SI	X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0045
		Y	-0.0058	-0.0021	-0.0041	0.0079	0.0069	0.0000
		Z	0.0000	0.0000	0.0000	0.0000	0.0000	0.0075
AT.	19 SI	X	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0045
		Y	-0.0058	-0.0021	-0.0041	-0.0079	-0.0069	0.0000
		Z	0.0000	0.0000	0.0000	0.0000	0.0000	0.0075
AT.	20 SI	X	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0045
		Y	-0.0058	0.0021	-0.0041	0.0079	-0.0069	0.0000
		Z	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0075
AT.	21 CA	X	-0.0055	0.0033	-0.0042	-0.0023	0.0103	0.0036
		Y	0.0083	-0.0030	-0.0004	-0.0098	-0.0001	0.0004
		Z	0.0133	0.0024	0.0110	-0.0023	-0.0078	0.0036
AT.	22 CA	X	-0.0055	-0.0033	-0.0042	0.0023	0.0103	0.0036
		Y	0.0083	0.0030	-0.0004	0.0098	-0.0001	0.0004
		Z	-0.0133	0.0024	-0.0110	-0.0023	0.0078	-0.0036
AT.	23 CA	X	0.0055	0.0033	0.0042	-0.0023	-0.0103	0.0036
		Y	0.0083	0.0030	-0.0004	0.0098	-0.0001	-0.0004
		Z	0.0133	-0.0024	0.0110	0.0023	-0.0078	-0.0036
AT.	24 CA	X	0.0055	-0.0033	0.0042	0.0023	-0.0103	0.0036
		Y	0.0083	-0.0030	-0.0004	-0.0098	-0.0001	-0.0004
		Z	-0.0133	-0.0024	-0.0110	0.0023	0.0078	0.0036
AT.	25 CA	X	-0.0055	-0.0033	-0.0042	-0.0023	-0.0103	-0.0036
		Y	0.0083	0.0030	-0.0004	-0.0098	0.0001	-0.0004
		Z	0.0133	-0.0024	0.0110	-0.0023	0.0078	-0.0036
AT.	26 CA	X	-0.0055	0.0033	-0.0042	0.0023	-0.0103	-0.0036
		Y	0.0083	-0.0030	-0.0004	0.0098	0.0001	-0.0004
		Z	-0.0133	-0.0024	-0.0110	-0.0023	-0.0078	0.0036
AT.	27 CA	X	0.0055	-0.0033	0.0042	-0.0023	0.0103	-0.0036
		Y	0.0083	-0.0030	-0.0004	0.0098	0.0001	0.0004
		Z	0.0133	0.0024	0.0110	0.0023	0.0078	0.0036
AT.	28 CA	X	0.0055	0.0033	0.0042	0.0023	0.0103	-0.0036
		Y	0.0083	0.0030	-0.0004	-0.0098	0.0001	0.0004

		Z	-0.0133	0.0024	-0.0110	0.0023	-0.0078	-0.0036
AT.	29	CA X	0.0075	0.0000	-0.0130	-0.0040	0.0000	0.0000
		Y	-0.0094	0.0000	-0.0037	-0.0013	0.0000	0.0000
		Z	-0.0022	0.0000	0.0020	0.0088	0.0000	0.0000
AT.	30	CA X	0.0075	0.0000	-0.0130	0.0040	0.0000	0.0000
		Y	-0.0094	0.0000	-0.0037	0.0013	0.0000	0.0000
		Z	0.0022	0.0000	-0.0020	0.0088	0.0000	0.0000
AT.	31	CA X	-0.0075	0.0000	0.0130	-0.0040	0.0000	0.0000
		Y	-0.0094	0.0000	-0.0037	0.0013	0.0000	0.0000
		Z	-0.0022	0.0000	0.0020	-0.0088	0.0000	0.0000
AT.	32	CA X	-0.0075	0.0000	0.0130	0.0040	0.0000	0.0000
		Y	-0.0094	0.0000	-0.0037	-0.0013	0.0000	0.0000
		Z	0.0022	0.0000	-0.0020	-0.0088	0.0000	0.0000
AT.	33	CA X	-0.0004	-0.0119	0.0135	0.0032	-0.0128	-0.0087
		Y	-0.0054	0.0200	-0.0094	-0.0052	0.0038	0.0147
		Z	-0.0012	-0.0086	-0.0060	-0.0035	0.0029	-0.0081
AT.	34	CA X	-0.0004	0.0119	0.0135	-0.0032	-0.0128	-0.0087
		Y	-0.0054	-0.0200	-0.0094	0.0052	0.0038	0.0147
		Z	0.0012	-0.0086	0.0060	-0.0035	-0.0029	0.0081
AT.	35	CA X	0.0004	-0.0119	-0.0135	0.0032	0.0128	-0.0087
		Y	-0.0054	-0.0200	-0.0094	0.0052	0.0038	-0.0147
		Z	-0.0012	0.0086	-0.0060	0.0035	0.0029	0.0081
AT.	36	CA X	0.0004	0.0119	-0.0135	-0.0032	0.0128	-0.0087
		Y	-0.0054	0.0200	-0.0094	-0.0052	0.0038	-0.0147
		Z	0.0012	0.0086	0.0060	0.0035	-0.0029	-0.0081
AT.	37	CA X	-0.0004	0.0119	0.0135	0.0032	0.0128	0.0087
		Y	-0.0054	-0.0200	-0.0094	-0.0052	-0.0038	-0.0147
		Z	-0.0012	0.0086	-0.0060	-0.0035	-0.0029	0.0081
AT.	38	CA X	-0.0004	-0.0119	0.0135	-0.0032	0.0128	0.0087
		Y	-0.0054	0.0200	-0.0094	0.0052	-0.0038	-0.0147
		Z	0.0012	0.0086	0.0060	-0.0035	0.0029	-0.0081
AT.	39	CA X	0.0004	0.0119	-0.0135	0.0032	-0.0128	0.0087
		Y	-0.0054	0.0200	-0.0094	0.0052	-0.0038	0.0147
		Z	-0.0012	-0.0086	-0.0060	0.0035	-0.0029	-0.0081
AT.	40	CA X	0.0004	-0.0119	-0.0135	-0.0032	-0.0128	0.0087
		Y	-0.0054	-0.0200	-0.0094	-0.0052	-0.0038	0.0147
		Z	0.0012	-0.0086	0.0060	0.0035	0.0029	0.0081
AT.	41	CA X	0.0153	0.0082	-0.0054	-0.0192	0.0039	0.0110
		Y	-0.0046	-0.0129	0.0110	0.0154	0.0136	-0.0156
		Z	-0.0263	0.0097	-0.0025	0.0149	-0.0122	0.0094
AT.	42	CA X	0.0153	-0.0082	-0.0054	0.0192	0.0039	0.0110
		Y	-0.0046	0.0129	0.0110	-0.0154	0.0136	-0.0156
		Z	0.0263	0.0097	0.0025	0.0149	0.0122	-0.0094
AT.	43	CA X	-0.0153	0.0082	0.0054	-0.0192	-0.0039	0.0110
		Y	-0.0046	0.0129	0.0110	-0.0154	0.0136	0.0156
		Z	-0.0263	-0.0097	-0.0025	-0.0149	-0.0122	-0.0094
AT.	44	CA X	-0.0153	-0.0082	0.0054	0.0192	-0.0039	0.0110
		Y	-0.0046	-0.0129	0.0110	0.0154	0.0136	0.0156
		Z	0.0263	-0.0097	0.0025	-0.0149	0.0122	0.0094
AT.	45	CA X	0.0153	-0.0082	-0.0054	-0.0192	-0.0039	-0.0110
		Y	-0.0046	0.0129	0.0110	0.0154	-0.0136	0.0156
		Z	-0.0263	-0.0097	-0.0025	0.0149	0.0122	-0.0094
AT.	46	CA X	0.0153	0.0082	-0.0054	0.0192	-0.0039	-0.0110
		Y	-0.0046	-0.0129	0.0110	-0.0154	-0.0136	0.0156
		Z	0.0263	-0.0097	0.0025	0.0149	-0.0122	0.0094
AT.	47	CA X	-0.0153	-0.0082	0.0054	-0.0192	0.0039	-0.0110
		Y	-0.0046	-0.0129	0.0110	-0.0154	-0.0136	-0.0156
		Z	-0.0263	0.0097	-0.0025	-0.0149	0.0122	0.0094
AT.	48	CA X	-0.0153	0.0082	0.0054	0.0192	0.0039	-0.0110
		Y	-0.0046	0.0129	0.0110	0.0154	-0.0136	-0.0156
		Z	0.0263	0.0097	0.0025	-0.0149	-0.0122	-0.0094

AT.	49	CA	X	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0002
			Y	-0.0026	0.0030	-0.0239	-0.0080	0.0148	0.0000
			Z	0.0000	0.0000	0.0000	0.0000	0.0000	0.0181
AT.	50	CA	X	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0002
			Y	-0.0026	-0.0030	-0.0239	0.0080	0.0148	0.0000
			Z	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0181
AT.	51	CA	X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
			Y	-0.0026	-0.0030	-0.0239	-0.0080	-0.0148	0.0000
			Z	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0181
AT.	52	CA	X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
			Y	-0.0026	0.0030	-0.0239	0.0080	-0.0148	0.0000
			Z	0.0000	0.0000	0.0000	0.0000	0.0000	0.0181
AT.	53	O	X	0.0016	-0.0017	0.0017	0.0095	-0.0045	-0.0044
			Y	-0.0002	-0.0071	0.0039	0.0002	0.0004	-0.0069
			Z	0.0023	-0.0087	0.0043	-0.0036	0.0019	-0.0037
AT.	54	O	X	0.0016	0.0017	0.0017	-0.0095	-0.0045	-0.0044
			Y	-0.0002	0.0071	0.0039	-0.0002	0.0004	-0.0069
			Z	-0.0023	-0.0087	-0.0043	-0.0036	-0.0019	0.0037
AT.	55	O	X	-0.0016	-0.0017	-0.0017	0.0095	0.0045	-0.0044
			Y	-0.0002	0.0071	0.0039	-0.0002	0.0004	0.0069
			Z	0.0023	0.0087	0.0043	0.0036	0.0019	0.0037
AT.	56	O	X	-0.0016	0.0017	-0.0017	-0.0095	0.0045	-0.0044
			Y	-0.0002	-0.0071	0.0039	0.0002	0.0004	0.0069
			Z	-0.0023	0.0087	-0.0043	0.0036	-0.0019	-0.0037
AT.	57	O	X	0.0016	0.0017	0.0017	0.0095	0.0045	0.0044
			Y	-0.0002	0.0071	0.0039	0.0002	-0.0004	0.0069
			Z	0.0023	0.0087	0.0043	-0.0036	-0.0019	0.0037
AT.	58	O	X	0.0016	-0.0017	0.0017	-0.0095	0.0045	0.0044
			Y	-0.0002	-0.0071	0.0039	-0.0002	-0.0004	0.0069
			Z	-0.0023	0.0087	-0.0043	-0.0036	0.0019	-0.0037
AT.	59	O	X	-0.0016	0.0017	-0.0017	0.0095	-0.0045	0.0044
			Y	-0.0002	-0.0071	0.0039	-0.0002	-0.0004	-0.0069
			Z	0.0023	-0.0087	0.0043	0.0036	-0.0019	-0.0037
AT.	60	O	X	-0.0016	-0.0017	-0.0017	-0.0095	-0.0045	0.0044
			Y	-0.0002	0.0071	0.0039	0.0002	-0.0004	-0.0069
			Z	-0.0023	-0.0087	-0.0043	0.0036	0.0019	0.0037
AT.	61	O	X	-0.0030	0.0084	0.0046	0.0067	-0.0088	0.0089
			Y	0.0028	-0.0111	0.0100	0.0024	0.0035	-0.0069
			Z	-0.0070	-0.0012	-0.0049	-0.0027	0.0045	-0.0040
AT.	62	O	X	-0.0030	-0.0084	0.0046	-0.0067	-0.0088	0.0089
			Y	0.0028	0.0111	0.0100	-0.0024	0.0035	-0.0069
			Z	0.0070	-0.0012	0.0049	-0.0027	-0.0045	0.0040
AT.	63	O	X	0.0030	0.0084	-0.0046	0.0067	0.0088	0.0089
			Y	0.0028	0.0111	0.0100	-0.0024	0.0035	0.0069
			Z	-0.0070	0.0012	-0.0049	0.0027	0.0045	0.0040
AT.	64	O	X	0.0030	-0.0084	-0.0046	-0.0067	0.0088	0.0089
			Y	0.0028	-0.0111	0.0100	0.0024	0.0035	0.0069
			Z	0.0070	0.0012	0.0049	0.0027	-0.0045	-0.0040
AT.	65	O	X	-0.0030	-0.0084	0.0046	0.0067	0.0088	-0.0089
			Y	0.0028	0.0111	0.0100	0.0024	-0.0035	0.0069
			Z	-0.0070	0.0012	-0.0049	-0.0027	-0.0045	0.0040
AT.	66	O	X	-0.0030	0.0084	0.0046	-0.0067	0.0088	-0.0089
			Y	0.0028	-0.0111	0.0100	-0.0024	-0.0035	0.0069
			Z	0.0070	0.0012	0.0049	-0.0027	0.0045	-0.0040
AT.	67	O	X	0.0030	-0.0084	-0.0046	0.0067	-0.0088	-0.0089
			Y	0.0028	-0.0111	0.0100	-0.0024	-0.0035	-0.0069
			Z	-0.0070	-0.0012	-0.0049	0.0027	-0.0045	-0.0040
AT.	68	O	X	0.0030	0.0084	-0.0046	-0.0067	-0.0088	-0.0089
			Y	0.0028	0.0111	0.0100	0.0024	-0.0035	-0.0069
			Z	0.0070	-0.0012	0.0049	0.0027	0.0045	0.0040
AT.	69	O	X	0.0020	-0.0069	-0.0059	-0.0063	-0.0103	-0.0070

	Y	-0.0041	-0.0029	0.0003	-0.0034	0.0039	-0.0088
	Z	-0.0020	-0.0038	-0.0006	-0.0059	0.0073	-0.0078
AT. 70 O	X	0.0020	0.0069	-0.0059	0.0063	-0.0103	-0.0070
	Y	-0.0041	0.0029	0.0003	0.0034	0.0039	-0.0088
	Z	0.0020	-0.0038	0.0006	-0.0059	-0.0073	0.0078
AT. 71 O	X	-0.0020	-0.0069	0.0059	-0.0063	0.0103	-0.0070
	Y	-0.0041	0.0029	0.0003	0.0034	0.0039	0.0088
	Z	-0.0020	0.0038	-0.0006	0.0059	0.0073	0.0078
AT. 72 O	X	-0.0020	0.0069	0.0059	0.0063	0.0103	-0.0070
	Y	-0.0041	-0.0029	0.0003	-0.0034	0.0039	0.0088
	Z	0.0020	0.0038	0.0006	0.0059	-0.0073	-0.0078
AT. 73 O	X	0.0020	0.0069	-0.0059	-0.0063	0.0103	0.0070
	Y	-0.0041	0.0029	0.0003	-0.0034	-0.0039	0.0088
	Z	-0.0020	0.0038	-0.0006	-0.0059	-0.0073	0.0078
AT. 74 O	X	0.0020	-0.0069	-0.0059	0.0063	0.0103	0.0070
	Y	-0.0041	-0.0029	0.0003	0.0034	-0.0039	0.0088
	Z	0.0020	0.0038	0.0006	-0.0059	0.0073	-0.0078
AT. 75 O	X	-0.0020	0.0069	0.0059	-0.0063	-0.0103	0.0070
	Y	-0.0041	-0.0029	0.0003	0.0034	-0.0039	-0.0088
	Z	-0.0020	-0.0038	-0.0006	0.0059	-0.0073	-0.0078
AT. 76 O	X	-0.0020	-0.0069	0.0059	0.0063	-0.0103	0.0070
	Y	-0.0041	0.0029	0.0003	-0.0034	-0.0039	-0.0088
	Z	0.0020	-0.0038	0.0006	0.0059	0.0073	0.0078
AT. 77 O	X	0.0014	-0.0021	0.0011	0.0035	-0.0093	-0.0029
	Y	0.0004	-0.0045	0.0009	0.0081	0.0045	-0.0061
	Z	0.0081	-0.0115	-0.0056	-0.0152	0.0036	-0.0128
AT. 78 O	X	0.0014	0.0021	0.0011	-0.0035	-0.0093	-0.0029
	Y	0.0004	0.0045	0.0009	-0.0081	0.0045	-0.0061
	Z	-0.0081	-0.0115	0.0056	-0.0152	-0.0036	0.0128
AT. 79 O	X	-0.0014	-0.0021	-0.0011	0.0035	0.0093	-0.0029
	Y	0.0004	0.0045	0.0009	-0.0081	0.0045	0.0061
	Z	0.0081	0.0115	-0.0056	0.0152	0.0036	0.0128
AT. 80 O	X	-0.0014	0.0021	-0.0011	-0.0035	0.0093	-0.0029
	Y	0.0004	-0.0045	0.0009	0.0081	0.0045	0.0061
	Z	-0.0081	0.0115	0.0056	0.0152	-0.0036	-0.0128
AT. 81 O	X	0.0014	0.0021	0.0011	0.0035	0.0093	0.0029
	Y	0.0004	0.0045	0.0009	0.0081	-0.0045	0.0061
	Z	0.0081	0.0115	-0.0056	-0.0152	-0.0036	0.0128
AT. 82 O	X	0.0014	-0.0021	0.0011	-0.0035	0.0093	0.0029
	Y	0.0004	-0.0045	0.0009	-0.0081	-0.0045	0.0061
	Z	-0.0081	0.0115	0.0056	-0.0152	0.0036	-0.0128
AT. 83 O	X	-0.0014	0.0021	-0.0011	0.0035	-0.0093	0.0029
	Y	0.0004	-0.0045	0.0009	-0.0081	-0.0045	-0.0061
	Z	0.0081	-0.0115	-0.0056	0.0152	-0.0036	-0.0128
AT. 84 O	X	-0.0014	-0.0021	-0.0011	-0.0035	-0.0093	0.0029
	Y	0.0004	0.0045	0.0009	0.0081	-0.0045	-0.0061
	Z	-0.0081	-0.0115	0.0056	0.0152	0.0036	0.0128
AT. 85 O	X	-0.0007	0.0042	-0.0079	-0.0014	0.0183	0.0008
	Y	0.0135	0.0003	-0.0102	0.0051	0.0114	0.0053
	Z	-0.0018	0.0011	0.0082	-0.0013	-0.0034	-0.0020
AT. 86 O	X	-0.0007	-0.0042	-0.0079	0.0014	0.0183	0.0008
	Y	0.0135	-0.0003	-0.0102	-0.0051	0.0114	0.0053
	Z	0.0018	0.0011	-0.0082	-0.0013	0.0034	0.0020
AT. 87 O	X	0.0007	0.0042	0.0079	-0.0014	-0.0183	0.0008
	Y	0.0135	-0.0003	-0.0102	-0.0051	0.0114	-0.0053
	Z	-0.0018	-0.0011	0.0082	0.0013	-0.0034	0.0020
AT. 88 O	X	0.0007	-0.0042	0.0079	0.0014	-0.0183	0.0008
	Y	0.0135	0.0003	-0.0102	0.0051	0.0114	-0.0053
	Z	0.0018	-0.0011	-0.0082	0.0013	0.0034	-0.0020
AT. 89 O	X	-0.0007	-0.0042	-0.0079	-0.0014	-0.0183	-0.0008
	Y	0.0135	-0.0003	-0.0102	0.0051	-0.0114	-0.0053

		Z	-0.0018	-0.0011	0.0082	-0.0013	0.0034	0.0020
AT.	90 O	X	-0.0007	0.0042	-0.0079	0.0014	-0.0183	-0.0008
		Y	0.0135	0.0003	-0.0102	-0.0051	-0.0114	-0.0053
		Z	0.0018	-0.0011	-0.0082	-0.0013	-0.0034	-0.0020
AT.	91 O	X	0.0007	-0.0042	0.0079	-0.0014	0.0183	-0.0008
		Y	0.0135	0.0003	-0.0102	-0.0051	-0.0114	0.0053
		Z	-0.0018	0.0011	0.0082	0.0013	0.0034	-0.0020
AT.	92 O	X	0.0007	0.0042	0.0079	0.0014	0.0183	-0.0008
		Y	0.0135	-0.0003	-0.0102	0.0051	-0.0114	0.0053
		Z	0.0018	0.0011	-0.0082	0.0013	-0.0034	0.0020
AT.	93 O	X	0.0037	0.0120	-0.0043	0.0034	-0.0027	0.0081
		Y	0.0017	-0.0045	0.0066	-0.0002	0.0093	0.0002
		Z	0.0086	0.0151	-0.0227	0.0095	0.0016	0.0091
AT.	94 O	X	0.0037	-0.0120	-0.0043	-0.0034	-0.0027	0.0081
		Y	0.0017	0.0045	0.0066	0.0002	0.0093	0.0002
		Z	-0.0086	0.0151	0.0227	0.0095	-0.0016	-0.0091
AT.	95 O	X	-0.0037	0.0120	0.0043	0.0034	0.0027	0.0081
		Y	0.0017	0.0045	0.0066	0.0002	0.0093	-0.0002
		Z	0.0086	-0.0151	-0.0227	-0.0095	0.0016	-0.0091
AT.	96 O	X	-0.0037	-0.0120	0.0043	-0.0034	0.0027	0.0081
		Y	0.0017	-0.0045	0.0066	-0.0002	0.0093	-0.0002
		Z	-0.0086	-0.0151	0.0227	-0.0095	-0.0016	0.0091
AT.	97 O	X	0.0037	-0.0120	-0.0043	0.0034	0.0027	-0.0081
		Y	0.0017	0.0045	0.0066	-0.0002	-0.0093	-0.0002
		Z	0.0086	-0.0151	-0.0227	0.0095	-0.0016	-0.0091
AT.	98 O	X	0.0037	0.0120	-0.0043	-0.0034	0.0027	-0.0081
		Y	0.0017	-0.0045	0.0066	0.0002	-0.0093	-0.0002
		Z	-0.0086	-0.0151	0.0227	0.0095	0.0016	0.0091
AT.	99 O	X	-0.0037	-0.0120	0.0043	0.0034	-0.0027	-0.0081
		Y	0.0017	-0.0045	0.0066	0.0002	-0.0093	0.0002
		Z	0.0086	0.0151	-0.0227	-0.0095	-0.0016	0.0091
AT.	100 O	X	-0.0037	0.0120	0.0043	-0.0034	-0.0027	-0.0081
		Y	0.0017	0.0045	0.0066	-0.0002	-0.0093	0.0002
		Z	-0.0086	0.0151	0.0227	-0.0095	0.0016	-0.0091
AT.	101 O	X	-0.0032	0.0030	-0.0009	0.0019	0.0030	0.0038
		Y	-0.0027	-0.0024	0.0090	-0.0110	0.0060	0.0002
		Z	-0.0027	0.0015	0.0070	-0.0013	0.0004	-0.0035
AT.	102 O	X	-0.0032	-0.0030	-0.0009	-0.0019	0.0030	0.0038
		Y	-0.0027	0.0024	0.0090	0.0110	0.0060	0.0002
		Z	0.0027	0.0015	-0.0070	-0.0013	-0.0004	0.0035
AT.	103 O	X	0.0032	0.0030	0.0009	0.0019	-0.0030	0.0038
		Y	-0.0027	0.0024	0.0090	0.0110	0.0060	-0.0002
		Z	-0.0027	-0.0015	0.0070	0.0013	0.0004	0.0035
AT.	104 O	X	0.0032	-0.0030	0.0009	-0.0019	-0.0030	0.0038
		Y	-0.0027	-0.0024	0.0090	-0.0110	0.0060	-0.0002
		Z	0.0027	-0.0015	-0.0070	0.0013	-0.0004	-0.0035
AT.	105 O	X	-0.0032	-0.0030	-0.0009	0.0019	-0.0030	-0.0038
		Y	-0.0027	0.0024	0.0090	-0.0110	-0.0060	-0.0002
		Z	-0.0027	-0.0015	0.0070	-0.0013	-0.0004	0.0035
AT.	106 O	X	-0.0032	0.0030	-0.0009	-0.0019	-0.0030	-0.0038
		Y	-0.0027	-0.0024	0.0090	0.0110	-0.0060	-0.0002
		Z	0.0027	-0.0015	-0.0070	-0.0013	0.0004	-0.0035
AT.	107 O	X	0.0032	-0.0030	0.0009	0.0019	0.0030	-0.0038
		Y	-0.0027	-0.0024	0.0090	0.0110	-0.0060	0.0002
		Z	-0.0027	0.0015	0.0070	0.0013	-0.0004	-0.0035
AT.	108 O	X	0.0032	0.0030	0.0009	-0.0019	0.0030	-0.0038
		Y	-0.0027	0.0024	0.0090	-0.0110	-0.0060	0.0002
		Z	0.0027	0.0015	-0.0070	0.0013	0.0004	0.0035
AT.	109 O	X	-0.0018	0.0034	-0.0029	0.0001	0.0071	0.0015
		Y	0.0029	0.0086	0.0034	-0.0006	-0.0056	0.0070
		Z	-0.0077	-0.0097	0.0132	0.0033	-0.0165	-0.0025

AT. 110 O	X	-0.0018	-0.0034	-0.0029	-0.0001	0.0071	0.0015
	Y	0.0029	-0.0086	0.0034	0.0006	-0.0056	0.0070
	Z	0.0077	-0.0097	-0.0132	0.0033	0.0165	0.0025
AT. 111 O	X	0.0018	0.0034	0.0029	0.0001	-0.0071	0.0015
	Y	0.0029	-0.0086	0.0034	0.0006	-0.0056	-0.0070
	Z	-0.0077	0.0097	0.0132	-0.0033	-0.0165	0.0025
AT. 112 O	X	0.0018	-0.0034	0.0029	-0.0001	-0.0071	0.0015
	Y	0.0029	0.0086	0.0034	-0.0006	-0.0056	-0.0070
	Z	0.0077	0.0097	-0.0132	-0.0033	0.0165	-0.0025
AT. 113 O	X	-0.0018	-0.0034	-0.0029	0.0001	-0.0071	-0.0015
	Y	0.0029	-0.0086	0.0034	-0.0006	0.0056	-0.0070
	Z	-0.0077	0.0097	0.0132	0.0033	0.0165	0.0025
AT. 114 O	X	-0.0018	0.0034	-0.0029	-0.0001	-0.0071	-0.0015
	Y	0.0029	0.0086	0.0034	0.0006	0.0056	-0.0070
	Z	0.0077	0.0097	-0.0132	0.0033	-0.0165	-0.0025
AT. 115 O	X	0.0018	-0.0034	0.0029	0.0001	0.0071	-0.0015
	Y	0.0029	0.0086	0.0034	0.0006	0.0056	0.0070
	Z	-0.0077	-0.0097	0.0132	-0.0033	0.0165	-0.0025
AT. 116 O	X	0.0018	0.0034	0.0029	-0.0001	0.0071	-0.0015
	Y	0.0029	-0.0086	0.0034	-0.0006	0.0056	0.0070
	Z	0.0077	-0.0097	-0.0132	-0.0033	-0.0165	0.0025
AT. 117 O	X	-0.0029	0.0066	0.0014	0.0083	0.0105	0.0073
	Y	0.0035	0.0033	-0.0042	-0.0055	0.0000	-0.0037
	Z	-0.0075	-0.0071	-0.0006	-0.0136	-0.0039	-0.0049
AT. 118 O	X	-0.0029	-0.0066	0.0014	-0.0083	0.0105	0.0073
	Y	0.0035	-0.0033	-0.0042	0.0055	0.0000	-0.0037
	Z	0.0075	-0.0071	0.0006	-0.0136	0.0039	0.0049
AT. 119 O	X	0.0029	0.0066	-0.0014	0.0083	-0.0105	0.0073
	Y	0.0035	-0.0033	-0.0042	0.0055	0.0000	0.0037
	Z	-0.0075	0.0071	-0.0006	0.0136	-0.0039	0.0049
AT. 120 O	X	0.0029	-0.0066	-0.0014	-0.0083	-0.0105	0.0073
	Y	0.0035	0.0033	-0.0042	-0.0055	0.0000	0.0037
	Z	0.0075	0.0071	0.0006	0.0136	0.0039	-0.0049
AT. 121 O	X	-0.0029	-0.0066	0.0014	0.0083	-0.0105	-0.0073
	Y	0.0035	-0.0033	-0.0042	-0.0055	0.0000	0.0037
	Z	-0.0075	0.0071	-0.0006	-0.0136	0.0039	0.0049
AT. 122 O	X	-0.0029	0.0066	0.0014	-0.0083	-0.0105	-0.0073
	Y	0.0035	0.0033	-0.0042	0.0055	0.0000	0.0037
	Z	0.0075	0.0071	0.0006	-0.0136	-0.0039	-0.0049
AT. 123 O	X	0.0029	-0.0066	-0.0014	0.0083	0.0105	-0.0073
	Y	0.0035	0.0033	-0.0042	0.0055	0.0000	-0.0037
	Z	-0.0075	-0.0071	-0.0006	0.0136	0.0039	-0.0049
AT. 124 O	X	0.0029	0.0066	-0.0014	-0.0083	0.0105	-0.0073
	Y	0.0035	-0.0033	-0.0042	-0.0055	0.0000	-0.0037
	Z	0.0075	-0.0071	0.0006	0.0136	-0.0039	0.0049

FREQ(CM**-1)	241.56	242.07	244.25	247.41	247.56	247.69

AT. 1 SI	X	-0.0043	-0.0009	0.0089	0.0008	0.0031	0.0004
	Y	-0.0070	0.0026	-0.0006	0.0050	0.0091	-0.0013
	Z	-0.0037	-0.0018	0.0013	0.0020	-0.0053	-0.0003
AT. 2 SI	X	0.0043	0.0009	0.0089	0.0008	0.0031	0.0004
	Y	0.0070	-0.0026	-0.0006	0.0050	0.0091	-0.0013
	Z	-0.0037	-0.0018	-0.0013	-0.0020	0.0053	0.0003
AT. 3 SI	X	-0.0043	-0.0009	-0.0089	0.0008	0.0031	-0.0004
	Y	0.0070	-0.0026	-0.0006	-0.0050	-0.0091	-0.0013
	Z	0.0037	0.0018	0.0013	-0.0020	0.0053	-0.0003
AT. 4 SI	X	0.0043	0.0009	-0.0089	0.0008	0.0031	-0.0004
	Y	-0.0070	0.0026	-0.0006	-0.0050	-0.0091	-0.0013
	Z	0.0037	0.0018	-0.0013	0.0020	-0.0053	0.0003
AT. 5 SI	X	0.0043	-0.0009	-0.0089	0.0008	-0.0031	0.0004

		Y	0.0070	0.0026	0.0006	0.0050	-0.0091	-0.0013
		Z	0.0037	-0.0018	-0.0013	0.0020	0.0053	-0.0003
AT.	6	SI X	-0.0043	0.0009	-0.0089	0.0008	-0.0031	0.0004
		Y	-0.0070	-0.0026	0.0006	0.0050	-0.0091	-0.0013
		Z	0.0037	-0.0018	0.0013	-0.0020	-0.0053	0.0003
AT.	7	SI X	0.0043	-0.0009	0.0089	0.0008	-0.0031	-0.0004
		Y	-0.0070	-0.0026	0.0006	-0.0050	0.0091	-0.0013
		Z	-0.0037	0.0018	-0.0013	-0.0020	-0.0053	-0.0003
AT.	8	SI X	-0.0043	0.0009	0.0089	0.0008	-0.0031	-0.0004
		Y	0.0070	0.0026	0.0006	-0.0050	0.0091	-0.0013
		Z	-0.0037	0.0018	0.0013	0.0020	0.0053	0.0003
AT.	9	SI X	0.0045	0.0010	-0.0014	-0.0019	-0.0033	0.0014
		Y	0.0011	-0.0002	0.0018	0.0046	-0.0020	-0.0012
		Z	0.0028	-0.0048	-0.0005	-0.0050	0.0050	0.0036
AT.	10	SI X	-0.0045	-0.0010	-0.0014	-0.0019	-0.0033	0.0014
		Y	-0.0011	0.0002	0.0018	0.0046	-0.0020	-0.0012
		Z	0.0028	-0.0048	0.0005	0.0050	-0.0050	-0.0036
AT.	11	SI X	0.0045	0.0010	0.0014	-0.0019	-0.0033	-0.0014
		Y	-0.0011	0.0002	0.0018	-0.0046	0.0020	-0.0012
		Z	-0.0028	0.0048	-0.0005	0.0050	-0.0050	0.0036
AT.	12	SI X	-0.0045	-0.0010	0.0014	-0.0019	-0.0033	-0.0014
		Y	0.0011	-0.0002	0.0018	-0.0046	0.0020	-0.0012
		Z	-0.0028	0.0048	0.0005	-0.0050	0.0050	-0.0036
AT.	13	SI X	-0.0045	0.0010	0.0014	-0.0019	0.0033	0.0014
		Y	-0.0011	-0.0002	-0.0018	0.0046	0.0020	-0.0012
		Z	-0.0028	-0.0048	0.0005	-0.0050	-0.0050	0.0036
AT.	14	SI X	0.0045	-0.0010	0.0014	-0.0019	0.0033	0.0014
		Y	0.0011	0.0002	-0.0018	0.0046	0.0020	-0.0012
		Z	-0.0028	-0.0048	-0.0005	0.0050	0.0050	-0.0036
AT.	15	SI X	-0.0045	0.0010	-0.0014	-0.0019	0.0033	-0.0014
		Y	0.0011	0.0002	-0.0018	-0.0046	-0.0020	-0.0012
		Z	0.0028	0.0048	0.0005	0.0050	0.0050	0.0036
AT.	16	SI X	0.0045	-0.0010	-0.0014	-0.0019	0.0033	-0.0014
		Y	-0.0011	-0.0002	-0.0018	-0.0046	-0.0020	-0.0012
		Z	0.0028	0.0048	-0.0005	-0.0050	-0.0050	-0.0036
AT.	17	SI X	0.0000	0.0000	0.0000	-0.0074	0.0035	0.0000
		Y	0.0033	-0.0002	-0.0072	0.0000	0.0000	0.0042
		Z	0.0000	0.0000	0.0000	0.0031	-0.0004	0.0000
AT.	18	SI X	0.0000	0.0000	0.0000	-0.0074	0.0035	0.0000
		Y	-0.0033	0.0002	-0.0072	0.0000	0.0000	0.0042
		Z	0.0000	0.0000	0.0000	-0.0031	0.0004	0.0000
AT.	19	SI X	0.0000	0.0000	0.0000	-0.0074	-0.0035	0.0000
		Y	-0.0033	-0.0002	0.0072	0.0000	0.0000	0.0042
		Z	0.0000	0.0000	0.0000	0.0031	0.0004	0.0000
AT.	20	SI X	0.0000	0.0000	0.0000	-0.0074	-0.0035	0.0000
		Y	0.0033	0.0002	0.0072	0.0000	0.0000	0.0042
		Z	0.0000	0.0000	0.0000	-0.0031	-0.0004	0.0000
AT.	21	CA X	-0.0014	0.0067	-0.0014	0.0053	-0.0026	0.0001
		Y	0.0122	0.0120	0.0028	0.0207	-0.0178	0.0194
		Z	-0.0098	-0.0154	-0.0137	0.0010	0.0071	-0.0027
AT.	22	CA X	0.0014	-0.0067	-0.0014	0.0053	-0.0026	0.0001
		Y	-0.0122	-0.0120	0.0028	0.0207	-0.0178	0.0194
		Z	-0.0098	-0.0154	0.0137	-0.0010	-0.0071	0.0027
AT.	23	CA X	-0.0014	0.0067	0.0014	0.0053	-0.0026	-0.0001
		Y	-0.0122	-0.0120	0.0028	-0.0207	0.0178	0.0194
		Z	0.0098	0.0154	-0.0137	-0.0010	-0.0071	-0.0027
AT.	24	CA X	0.0014	-0.0067	0.0014	0.0053	-0.0026	-0.0001
		Y	0.0122	0.0120	0.0028	-0.0207	0.0178	0.0194
		Z	0.0098	0.0154	0.0137	0.0010	0.0071	0.0027
AT.	25	CA X	0.0014	0.0067	0.0014	0.0053	0.0026	0.0001
		Y	-0.0122	0.0120	-0.0028	0.0207	0.0178	0.0194

	Z	0.0098	-0.0154	0.0137	0.0010	-0.0071	-0.0027
AT. 26	CA X	-0.0014	-0.0067	0.0014	0.0053	0.0026	0.0001
	Y	0.0122	-0.0120	-0.0028	0.0207	0.0178	0.0194
	Z	0.0098	-0.0154	-0.0137	-0.0010	0.0071	0.0027
AT. 27	CA X	0.0014	0.0067	-0.0014	0.0053	0.0026	-0.0001
	Y	0.0122	-0.0120	-0.0028	-0.0207	-0.0178	0.0194
	Z	-0.0098	0.0154	0.0137	-0.0010	0.0071	-0.0027
AT. 28	CA X	-0.0014	-0.0067	-0.0014	0.0053	0.0026	-0.0001
	Y	-0.0122	0.0120	-0.0028	-0.0207	-0.0178	0.0194
	Z	-0.0098	0.0154	-0.0137	0.0010	-0.0071	0.0027
AT. 29	CA X	0.0000	-0.0038	0.0000	-0.0136	0.0000	0.0086
	Y	0.0000	-0.0050	0.0000	-0.0115	0.0000	-0.0045
	Z	0.0000	0.0084	0.0000	0.0093	0.0000	0.0012
AT. 30	CA X	0.0000	0.0038	0.0000	-0.0136	0.0000	0.0086
	Y	0.0000	0.0050	0.0000	-0.0115	0.0000	-0.0045
	Z	0.0000	0.0084	0.0000	-0.0093	0.0000	-0.0012
AT. 31	CA X	0.0000	-0.0038	0.0000	-0.0136	0.0000	-0.0086
	Y	0.0000	0.0050	0.0000	0.0115	0.0000	-0.0045
	Z	0.0000	-0.0084	0.0000	-0.0093	0.0000	0.0012
AT. 32	CA X	0.0000	0.0038	0.0000	-0.0136	0.0000	-0.0086
	Y	0.0000	-0.0050	0.0000	0.0115	0.0000	-0.0045
	Z	0.0000	-0.0084	0.0000	0.0093	0.0000	-0.0012
AT. 33	CA X	0.0076	-0.0131	0.0007	0.0053	-0.0093	0.0001
	Y	-0.0008	0.0036	0.0008	0.0017	0.0062	-0.0035
	Z	-0.0009	0.0004	-0.0047	-0.0026	0.0054	0.0022
AT. 34	CA X	-0.0076	0.0131	0.0007	0.0053	-0.0093	0.0001
	Y	0.0008	-0.0036	0.0008	0.0017	0.0062	-0.0035
	Z	-0.0009	0.0004	0.0047	0.0026	-0.0054	-0.0022
AT. 35	CA X	0.0076	-0.0131	-0.0007	0.0053	-0.0093	-0.0001
	Y	0.0008	-0.0036	0.0008	-0.0017	-0.0062	-0.0035
	Z	0.0009	-0.0004	-0.0047	0.0026	-0.0054	0.0022
AT. 36	CA X	-0.0076	0.0131	-0.0007	0.0053	-0.0093	-0.0001
	Y	-0.0008	0.0036	0.0008	-0.0017	-0.0062	-0.0035
	Z	0.0009	-0.0004	0.0047	-0.0026	0.0054	-0.0022
AT. 37	CA X	-0.0076	-0.0131	-0.0007	0.0053	0.0093	0.0001
	Y	0.0008	0.0036	-0.0008	0.0017	-0.0062	-0.0035
	Z	0.0009	0.0004	0.0047	-0.0026	-0.0054	0.0022
AT. 38	CA X	0.0076	0.0131	-0.0007	0.0053	0.0093	0.0001
	Y	-0.0008	-0.0036	-0.0008	0.0017	-0.0062	-0.0035
	Z	0.0009	0.0004	-0.0047	0.0026	0.0054	-0.0022
AT. 39	CA X	-0.0076	-0.0131	0.0007	0.0053	0.0093	-0.0001
	Y	-0.0008	-0.0036	-0.0008	-0.0017	0.0062	-0.0035
	Z	-0.0009	-0.0004	0.0047	0.0026	0.0054	0.0022
AT. 40	CA X	0.0076	0.0131	0.0007	0.0053	0.0093	-0.0001
	Y	0.0008	0.0036	-0.0008	-0.0017	0.0062	-0.0035
	Z	-0.0009	-0.0004	-0.0047	-0.0026	-0.0054	-0.0022
AT. 41	CA X	-0.0087	-0.0025	-0.0142	0.0048	-0.0012	-0.0097
	Y	-0.0029	0.0079	0.0047	-0.0113	-0.0076	-0.0077
	Z	0.0101	-0.0034	0.0057	-0.0080	-0.0080	0.0022
AT. 42	CA X	0.0087	0.0025	-0.0142	0.0048	-0.0012	-0.0097
	Y	0.0029	-0.0079	0.0047	-0.0113	-0.0076	-0.0077
	Z	0.0101	-0.0034	-0.0057	0.0080	0.0080	-0.0022
AT. 43	CA X	-0.0087	-0.0025	0.0142	0.0048	-0.0012	0.0097
	Y	0.0029	-0.0079	0.0047	0.0113	0.0076	-0.0077
	Z	-0.0101	0.0034	0.0057	0.0080	0.0080	0.0022
AT. 44	CA X	0.0087	0.0025	0.0142	0.0048	-0.0012	0.0097
	Y	-0.0029	0.0079	0.0047	0.0113	0.0076	-0.0077
	Z	-0.0101	0.0034	-0.0057	-0.0080	-0.0080	-0.0022
AT. 45	CA X	0.0087	-0.0025	0.0142	0.0048	0.0012	-0.0097
	Y	0.0029	0.0079	-0.0047	-0.0113	0.0076	-0.0077
	Z	-0.0101	-0.0034	-0.0057	-0.0080	0.0080	0.0022

AT.	46	CA	X	-0.0087	0.0025	0.0142	0.0048	0.0012	-0.0097
			Y	-0.0029	-0.0079	-0.0047	-0.0113	0.0076	-0.0077
			Z	-0.0101	-0.0034	0.0057	0.0080	-0.0080	-0.0022
AT.	47	CA	X	0.0087	-0.0025	-0.0142	0.0048	0.0012	0.0097
			Y	-0.0029	-0.0079	-0.0047	0.0113	-0.0076	-0.0077
			Z	0.0101	0.0034	-0.0057	0.0080	-0.0080	0.0022
AT.	48	CA	X	-0.0087	0.0025	-0.0142	0.0048	0.0012	0.0097
			Y	0.0029	0.0079	-0.0047	0.0113	-0.0076	-0.0077
			Z	0.0101	0.0034	0.0057	-0.0080	0.0080	-0.0022
AT.	49	CA	X	0.0000	0.0000	0.0000	0.0013	0.0014	0.0000
			Y	-0.0061	0.0161	0.0158	0.0000	0.0000	0.0078
			Z	0.0000	0.0000	0.0000	-0.0052	0.0002	0.0000
AT.	50	CA	X	0.0000	0.0000	0.0000	0.0013	0.0014	0.0000
			Y	0.0061	-0.0161	0.0158	0.0000	0.0000	0.0078
			Z	0.0000	0.0000	0.0000	0.0052	-0.0002	0.0000
AT.	51	CA	X	0.0000	0.0000	0.0000	0.0013	-0.0014	0.0000
			Y	0.0061	0.0161	-0.0158	0.0000	0.0000	0.0078
			Z	0.0000	0.0000	0.0000	-0.0052	-0.0002	0.0000
AT.	52	CA	X	0.0000	0.0000	0.0000	0.0013	-0.0014	0.0000
			Y	-0.0061	-0.0161	-0.0158	0.0000	0.0000	0.0078
			Z	0.0000	0.0000	0.0000	0.0052	0.0002	0.0000
AT.	53	O	X	-0.0116	-0.0031	0.0047	0.0000	0.0134	-0.0074
			Y	-0.0040	0.0042	0.0026	0.0058	0.0056	0.0004
			Z	0.0125	0.0051	0.0174	-0.0046	-0.0171	0.0122
AT.	54	O	X	0.0116	0.0031	0.0047	0.0000	0.0134	-0.0074
			Y	0.0040	-0.0042	0.0026	0.0058	0.0056	0.0004
			Z	0.0125	0.0051	-0.0174	0.0046	0.0171	-0.0122
AT.	55	O	X	-0.0116	-0.0031	-0.0047	0.0000	0.0134	0.0074
			Y	0.0040	-0.0042	0.0026	-0.0058	-0.0056	0.0004
			Z	-0.0125	-0.0051	0.0174	0.0046	0.0171	0.0122
AT.	56	O	X	0.0116	0.0031	-0.0047	0.0000	0.0134	0.0074
			Y	-0.0040	0.0042	0.0026	-0.0058	-0.0056	0.0004
			Z	-0.0125	-0.0051	-0.0174	-0.0046	-0.0171	-0.0122
AT.	57	O	X	0.0116	-0.0031	-0.0047	0.0000	-0.0134	-0.0074
			Y	0.0040	0.0042	-0.0026	0.0058	-0.0056	0.0004
			Z	-0.0125	0.0051	-0.0174	-0.0046	0.0171	0.0122
AT.	58	O	X	-0.0116	0.0031	-0.0047	0.0000	-0.0134	-0.0074
			Y	-0.0040	-0.0042	-0.0026	0.0058	-0.0056	0.0004
			Z	-0.0125	0.0051	0.0174	0.0046	-0.0171	-0.0122
AT.	59	O	X	0.0116	-0.0031	0.0047	0.0000	-0.0134	0.0074
			Y	-0.0040	-0.0042	-0.0026	-0.0058	0.0056	0.0004
			Z	0.0125	-0.0051	-0.0174	0.0046	-0.0171	0.0122
AT.	60	O	X	-0.0116	0.0031	0.0047	0.0000	-0.0134	0.0074
			Y	0.0040	0.0042	-0.0026	-0.0058	0.0056	0.0004
			Z	0.0125	-0.0051	0.0174	-0.0046	0.0171	-0.0122
AT.	61	O	X	0.0042	-0.0009	0.0096	-0.0048	-0.0049	-0.0018
			Y	0.0079	0.0108	0.0186	-0.0054	-0.0084	0.0142
			Z	-0.0089	-0.0055	-0.0096	0.0046	0.0029	-0.0108
AT.	62	O	X	-0.0042	0.0009	0.0096	-0.0048	-0.0049	-0.0018
			Y	-0.0079	-0.0108	0.0186	-0.0054	-0.0084	0.0142
			Z	-0.0089	-0.0055	0.0096	-0.0046	-0.0029	0.0108
AT.	63	O	X	0.0042	-0.0009	-0.0096	-0.0048	-0.0049	0.0018
			Y	-0.0079	-0.0108	0.0186	0.0054	0.0084	0.0142
			Z	0.0089	0.0055	-0.0096	-0.0046	-0.0029	-0.0108
AT.	64	O	X	-0.0042	0.0009	-0.0096	-0.0048	-0.0049	0.0018
			Y	0.0079	0.0108	0.0186	0.0054	0.0084	0.0142
			Z	0.0089	0.0055	0.0096	0.0046	0.0029	0.0108
AT.	65	O	X	-0.0042	-0.0009	-0.0096	-0.0048	0.0049	-0.0018
			Y	-0.0079	0.0108	-0.0186	-0.0054	0.0084	0.0142
			Z	0.0089	-0.0055	0.0096	0.0046	-0.0029	-0.0108
AT.	66	O	X	0.0042	0.0009	-0.0096	-0.0048	0.0049	-0.0018

		Y	0.0079	-0.0108	-0.0186	-0.0054	0.0084	0.0142
		Z	0.0089	-0.0055	-0.0096	-0.0046	0.0029	0.0108
AT.	67 O	X	-0.0042	-0.0009	0.0096	-0.0048	0.0049	0.0018
		Y	0.0079	-0.0108	-0.0186	0.0054	-0.0084	0.0142
		Z	-0.0089	0.0055	0.0096	-0.0046	0.0029	-0.0108
AT.	68 O	X	0.0042	0.0009	0.0096	-0.0048	0.0049	0.0018
		Y	-0.0079	0.0108	-0.0186	0.0054	-0.0084	0.0142
		Z	-0.0089	0.0055	-0.0096	0.0046	-0.0029	0.0108
AT.	69 O	X	-0.0073	0.0073	0.0087	0.0068	0.0004	0.0077
		Y	-0.0176	-0.0041	-0.0212	0.0138	0.0193	-0.0133
		Z	-0.0088	-0.0075	-0.0084	0.0067	0.0026	-0.0096
AT.	70 O	X	0.0073	-0.0073	0.0087	0.0068	0.0004	0.0077
		Y	0.0176	0.0041	-0.0212	0.0138	0.0193	-0.0133
		Z	-0.0088	-0.0075	0.0084	-0.0067	-0.0026	0.0096
AT.	71 O	X	-0.0073	0.0073	-0.0087	0.0068	0.0004	-0.0077
		Y	0.0176	0.0041	-0.0212	-0.0138	-0.0193	-0.0133
		Z	0.0088	0.0075	-0.0084	-0.0067	-0.0026	-0.0096
AT.	72 O	X	0.0073	-0.0073	-0.0087	0.0068	0.0004	-0.0077
		Y	-0.0176	-0.0041	-0.0212	-0.0138	-0.0193	-0.0133
		Z	0.0088	0.0075	0.0084	0.0067	0.0026	0.0096
AT.	73 O	X	0.0073	0.0073	-0.0087	0.0068	-0.0004	0.0077
		Y	0.0176	-0.0041	0.0212	0.0138	-0.0193	-0.0133
		Z	0.0088	-0.0075	0.0084	0.0067	-0.0026	-0.0096
AT.	74 O	X	-0.0073	-0.0073	-0.0087	0.0068	-0.0004	0.0077
		Y	-0.0176	0.0041	0.0212	0.0138	-0.0193	-0.0133
		Z	0.0088	-0.0075	-0.0084	-0.0067	0.0026	0.0096
AT.	75 O	X	0.0073	0.0073	0.0087	0.0068	-0.0004	-0.0077
		Y	-0.0176	0.0041	0.0212	-0.0138	0.0193	-0.0133
		Z	-0.0088	0.0075	0.0084	-0.0067	0.0026	-0.0096
AT.	76 O	X	-0.0073	-0.0073	0.0087	0.0068	-0.0004	-0.0077
		Y	0.0176	-0.0041	0.0212	-0.0138	0.0193	-0.0133
		Z	-0.0088	0.0075	-0.0084	0.0067	-0.0026	0.0096
AT.	77 O	X	-0.0053	-0.0010	0.0092	0.0003	0.0040	-0.0003
		Y	-0.0153	-0.0055	0.0023	-0.0012	0.0239	-0.0231
		Z	-0.0161	0.0097	-0.0002	0.0148	0.0066	0.0067
AT.	78 O	X	0.0053	0.0010	0.0092	0.0003	0.0040	-0.0003
		Y	0.0153	0.0055	0.0023	-0.0012	0.0239	-0.0231
		Z	-0.0161	0.0097	0.0002	-0.0148	-0.0066	-0.0067
AT.	79 O	X	-0.0053	-0.0010	-0.0092	0.0003	0.0040	0.0003
		Y	0.0153	0.0055	0.0023	0.0012	-0.0239	-0.0231
		Z	0.0161	-0.0097	-0.0002	-0.0148	-0.0066	0.0067
AT.	80 O	X	0.0053	0.0010	-0.0092	0.0003	0.0040	0.0003
		Y	-0.0153	-0.0055	0.0023	0.0012	-0.0239	-0.0231
		Z	0.0161	-0.0097	0.0002	0.0148	0.0066	-0.0067
AT.	81 O	X	0.0053	-0.0010	-0.0092	0.0003	-0.0040	-0.0003
		Y	0.0153	-0.0055	-0.0023	-0.0012	-0.0239	-0.0231
		Z	0.0161	0.0097	0.0002	0.0148	-0.0066	0.0067
AT.	82 O	X	-0.0053	0.0010	-0.0092	0.0003	-0.0040	-0.0003
		Y	-0.0153	0.0055	-0.0023	-0.0012	-0.0239	-0.0231
		Z	0.0161	0.0097	-0.0002	-0.0148	0.0066	-0.0067
AT.	83 O	X	0.0053	-0.0010	0.0092	0.0003	-0.0040	0.0003
		Y	-0.0153	0.0055	-0.0023	0.0012	0.0239	-0.0231
		Z	-0.0161	-0.0097	0.0002	-0.0148	0.0066	0.0067
AT.	84 O	X	-0.0053	0.0010	0.0092	0.0003	-0.0040	0.0003
		Y	0.0153	-0.0055	-0.0023	0.0012	0.0239	-0.0231
		Z	-0.0161	-0.0097	-0.0002	0.0148	-0.0066	-0.0067
AT.	85 O	X	-0.0057	0.0098	-0.0007	-0.0001	-0.0023	-0.0049
		Y	-0.0115	0.0065	0.0022	-0.0001	0.0048	-0.0080
		Z	0.0050	-0.0046	-0.0018	-0.0007	0.0016	0.0039
AT.	86 O	X	0.0057	-0.0098	-0.0007	-0.0001	-0.0023	-0.0049
		Y	0.0115	-0.0065	0.0022	-0.0001	0.0048	-0.0080

		Z	0.0050	-0.0046	0.0018	0.0007	-0.0016	-0.0039
AT.	87 O	X	-0.0057	0.0098	0.0007	-0.0001	-0.0023	0.0049
		Y	0.0115	-0.0065	0.0022	0.0001	-0.0048	-0.0080
		Z	-0.0050	0.0046	-0.0018	0.0007	-0.0016	0.0039
AT.	88 O	X	0.0057	-0.0098	0.0007	-0.0001	-0.0023	0.0049
		Y	-0.0115	0.0065	0.0022	0.0001	-0.0048	-0.0080
		Z	-0.0050	0.0046	0.0018	-0.0007	0.0016	-0.0039
AT.	89 O	X	0.0057	0.0098	0.0007	-0.0001	0.0023	-0.0049
		Y	0.0115	0.0065	-0.0022	-0.0001	-0.0048	-0.0080
		Z	-0.0050	-0.0046	0.0018	-0.0007	-0.0016	0.0039
AT.	90 O	X	-0.0057	-0.0098	0.0007	-0.0001	0.0023	-0.0049
		Y	-0.0115	-0.0065	-0.0022	-0.0001	-0.0048	-0.0080
		Z	-0.0050	-0.0046	-0.0018	0.0007	0.0016	-0.0039
AT.	91 O	X	0.0057	0.0098	-0.0007	-0.0001	0.0023	0.0049
		Y	-0.0115	-0.0065	-0.0022	0.0001	0.0048	-0.0080
		Z	0.0050	0.0046	0.0018	0.0007	0.0016	0.0039
AT.	92 O	X	-0.0057	-0.0098	-0.0007	-0.0001	0.0023	0.0049
		Y	0.0115	0.0065	-0.0022	0.0001	0.0048	-0.0080
		Z	0.0050	0.0046	-0.0018	-0.0007	-0.0016	-0.0039
AT.	93 O	X	0.0083	-0.0057	-0.0014	0.0035	-0.0045	0.0034
		Y	0.0009	0.0043	0.0039	0.0018	-0.0017	-0.0008
		Z	-0.0097	-0.0021	-0.0050	-0.0103	0.0114	-0.0036
AT.	94 O	X	-0.0083	0.0057	-0.0014	0.0035	-0.0045	0.0034
		Y	-0.0009	-0.0043	0.0039	0.0018	-0.0017	-0.0008
		Z	-0.0097	-0.0021	0.0050	0.0103	-0.0114	0.0036
AT.	95 O	X	0.0083	-0.0057	0.0014	0.0035	-0.0045	-0.0034
		Y	-0.0009	-0.0043	0.0039	-0.0018	0.0017	-0.0008
		Z	0.0097	0.0021	-0.0050	0.0103	-0.0114	-0.0036
AT.	96 O	X	-0.0083	0.0057	0.0014	0.0035	-0.0045	-0.0034
		Y	0.0009	0.0043	0.0039	-0.0018	0.0017	-0.0008
		Z	0.0097	0.0021	0.0050	-0.0103	0.0114	0.0036
AT.	97 O	X	-0.0083	-0.0057	0.0014	0.0035	0.0045	0.0034
		Y	-0.0009	0.0043	-0.0039	0.0018	0.0017	-0.0008
		Z	0.0097	-0.0021	0.0050	-0.0103	-0.0114	-0.0036
AT.	98 O	X	0.0083	0.0057	0.0014	0.0035	0.0045	0.0034
		Y	0.0009	-0.0043	-0.0039	0.0018	0.0017	-0.0008
		Z	0.0097	-0.0021	-0.0050	0.0103	0.0114	0.0036
AT.	99 O	X	-0.0083	-0.0057	-0.0014	0.0035	0.0045	-0.0034
		Y	0.0009	-0.0043	-0.0039	-0.0018	-0.0017	-0.0008
		Z	-0.0097	0.0021	0.0050	0.0103	0.0114	-0.0036
AT.	100 O	X	0.0083	0.0057	-0.0014	0.0035	0.0045	-0.0034
		Y	-0.0009	0.0043	-0.0039	-0.0018	-0.0017	-0.0008
		Z	-0.0097	0.0021	-0.0050	-0.0103	-0.0114	0.0036
AT.	101 O	X	0.0039	0.0017	-0.0014	-0.0158	0.0037	0.0015
		Y	0.0031	0.0026	-0.0017	0.0087	-0.0028	-0.0002
		Z	0.0038	0.0012	0.0004	0.0019	-0.0006	-0.0001
AT.	102 O	X	-0.0039	-0.0017	-0.0014	-0.0158	0.0037	0.0015
		Y	-0.0031	-0.0026	-0.0017	0.0087	-0.0028	-0.0002
		Z	0.0038	0.0012	-0.0004	-0.0019	0.0006	0.0001
AT.	103 O	X	0.0039	0.0017	0.0014	-0.0158	0.0037	-0.0015
		Y	-0.0031	-0.0026	-0.0017	-0.0087	0.0028	-0.0002
		Z	-0.0038	-0.0012	0.0004	-0.0019	0.0006	-0.0001
AT.	104 O	X	-0.0039	-0.0017	0.0014	-0.0158	0.0037	-0.0015
		Y	0.0031	0.0026	-0.0017	-0.0087	0.0028	-0.0002
		Z	-0.0038	-0.0012	-0.0004	0.0019	-0.0006	0.0001
AT.	105 O	X	-0.0039	0.0017	0.0014	-0.0158	-0.0037	0.0015
		Y	-0.0031	0.0026	0.0017	0.0087	0.0028	-0.0002
		Z	-0.0038	0.0012	-0.0004	0.0019	0.0006	-0.0001
AT.	106 O	X	0.0039	-0.0017	0.0014	-0.0158	-0.0037	0.0015
		Y	0.0031	-0.0026	0.0017	0.0087	0.0028	-0.0002
		Z	-0.0038	0.0012	0.0004	-0.0019	-0.0006	0.0001

AT. 107 O	X	-0.0039	0.0017	-0.0014	-0.0158	-0.0037	-0.0015
	Y	0.0031	-0.0026	0.0017	-0.0087	-0.0028	-0.0002
	Z	0.0038	-0.0012	-0.0004	-0.0019	-0.0006	-0.0001
AT. 108 O	X	0.0039	-0.0017	-0.0014	-0.0158	-0.0037	-0.0015
	Y	-0.0031	0.0026	0.0017	-0.0087	-0.0028	-0.0002
	Z	0.0038	-0.0012	0.0004	0.0019	0.0006	0.0001
AT. 109 O	X	0.0042	0.0012	-0.0021	-0.0024	-0.0038	0.0014
	Y	0.0110	-0.0031	0.0082	0.0096	-0.0015	0.0062
	Z	0.0185	-0.0145	-0.0014	-0.0095	0.0002	0.0135
AT. 110 O	X	-0.0042	-0.0012	-0.0021	-0.0024	-0.0038	0.0014
	Y	-0.0110	0.0031	0.0082	0.0096	-0.0015	0.0062
	Z	0.0185	-0.0145	0.0014	0.0095	-0.0002	-0.0135
AT. 111 O	X	0.0042	0.0012	0.0021	-0.0024	-0.0038	-0.0014
	Y	-0.0110	0.0031	0.0082	-0.0096	0.0015	0.0062
	Z	-0.0185	0.0145	-0.0014	0.0095	-0.0002	0.0135
AT. 112 O	X	-0.0042	-0.0012	0.0021	-0.0024	-0.0038	-0.0014
	Y	0.0110	-0.0031	0.0082	-0.0096	0.0015	0.0062
	Z	-0.0185	0.0145	0.0014	-0.0095	0.0002	-0.0135
AT. 113 O	X	-0.0042	0.0012	0.0021	-0.0024	0.0038	0.0014
	Y	-0.0110	-0.0031	-0.0082	0.0096	0.0015	0.0062
	Z	-0.0185	-0.0145	0.0014	-0.0095	-0.0002	0.0135
AT. 114 O	X	0.0042	-0.0012	0.0021	-0.0024	0.0038	0.0014
	Y	0.0110	0.0031	-0.0082	0.0096	0.0015	0.0062
	Z	-0.0185	-0.0145	-0.0014	0.0095	0.0002	-0.0135
AT. 115 O	X	-0.0042	0.0012	-0.0021	-0.0024	0.0038	-0.0014
	Y	0.0110	0.0031	-0.0082	-0.0096	-0.0015	0.0062
	Z	0.0185	0.0145	0.0014	0.0095	0.0002	0.0135
AT. 116 O	X	0.0042	-0.0012	-0.0021	-0.0024	0.0038	-0.0014
	Y	-0.0110	-0.0031	-0.0082	-0.0096	-0.0015	0.0062
	Z	0.0185	0.0145	-0.0014	-0.0095	-0.0002	-0.0135
AT. 117 O	X	-0.0052	0.0200	0.0131	-0.0025	0.0038	-0.0120
	Y	-0.0001	-0.0020	-0.0057	-0.0038	0.0026	0.0008
	Z	0.0095	-0.0184	-0.0166	0.0020	-0.0041	0.0154
AT. 118 O	X	0.0052	-0.0200	0.0131	-0.0025	0.0038	-0.0120
	Y	0.0001	0.0020	-0.0057	-0.0038	0.0026	0.0008
	Z	0.0095	-0.0184	0.0166	-0.0020	0.0041	-0.0154
AT. 119 O	X	-0.0052	0.0200	-0.0131	-0.0025	0.0038	0.0120
	Y	0.0001	0.0020	-0.0057	0.0038	-0.0026	0.0008
	Z	-0.0095	0.0184	-0.0166	-0.0020	0.0041	0.0154
AT. 120 O	X	0.0052	-0.0200	-0.0131	-0.0025	0.0038	0.0120
	Y	-0.0001	-0.0020	-0.0057	0.0038	-0.0026	0.0008
	Z	-0.0095	0.0184	0.0166	0.0020	-0.0041	-0.0154
AT. 121 O	X	0.0052	0.0200	-0.0131	-0.0025	-0.0038	-0.0120
	Y	0.0001	-0.0020	0.0057	-0.0038	-0.0026	0.0008
	Z	-0.0095	-0.0184	0.0166	0.0020	0.0041	0.0154
AT. 122 O	X	-0.0052	-0.0200	-0.0131	-0.0025	-0.0038	-0.0120
	Y	-0.0001	0.0020	0.0057	-0.0038	-0.0026	0.0008
	Z	-0.0095	-0.0184	-0.0166	-0.0020	-0.0041	-0.0154
AT. 123 O	X	0.0052	0.0200	0.0131	-0.0025	-0.0038	0.0120
	Y	-0.0001	0.0020	0.0057	0.0038	0.0026	0.0008
	Z	0.0095	0.0184	0.0166	-0.0020	-0.0041	0.0154
AT. 124 O	X	-0.0052	-0.0200	0.0131	-0.0025	-0.0038	0.0120
	Y	0.0001	-0.0020	0.0057	0.0038	0.0026	0.0008
	Z	0.0095	0.0184	-0.0166	0.0020	0.0041	-0.0154

FREQ(CM**-1)	247.84	249.97	250.22	253.54	253.95	254.35

AT. 1 SI	X	0.0026	-0.0055	0.0023	0.0045	-0.0008	0.0033
	Y	-0.0025	-0.0029	0.0067	0.0060	0.0017	0.0014
	Z	-0.0090	0.0043	-0.0034	0.0005	-0.0002	0.0051
AT. 2 SI	X	-0.0026	-0.0055	-0.0023	-0.0045	0.0008	0.0033

		Y	0.0025	-0.0029	-0.0067	-0.0060	-0.0017	0.0014
		Z	-0.0090	-0.0043	-0.0034	0.0005	-0.0002	-0.0051
AT.	3 SI	X	-0.0026	-0.0055	0.0023	-0.0045	0.0008	-0.0033
		Y	-0.0025	0.0029	-0.0067	0.0060	0.0017	0.0014
		Z	-0.0090	-0.0043	0.0034	0.0005	-0.0002	0.0051
AT.	4 SI	X	0.0026	-0.0055	-0.0023	0.0045	-0.0008	-0.0033
		Y	0.0025	0.0029	0.0067	-0.0060	-0.0017	0.0014
		Z	-0.0090	0.0043	0.0034	0.0005	-0.0002	-0.0051
AT.	5 SI	X	-0.0026	0.0055	0.0023	-0.0045	-0.0008	-0.0033
		Y	0.0025	0.0029	0.0067	-0.0060	0.0017	-0.0014
		Z	0.0090	-0.0043	-0.0034	-0.0005	-0.0002	-0.0051
AT.	6 SI	X	0.0026	0.0055	-0.0023	0.0045	0.0008	-0.0033
		Y	-0.0025	0.0029	-0.0067	0.0060	-0.0017	-0.0014
		Z	0.0090	0.0043	-0.0034	-0.0005	-0.0002	0.0051
AT.	7 SI	X	0.0026	0.0055	0.0023	0.0045	0.0008	0.0033
		Y	0.0025	-0.0029	-0.0067	-0.0060	0.0017	-0.0014
		Z	0.0090	0.0043	0.0034	-0.0005	-0.0002	-0.0051
AT.	8 SI	X	-0.0026	0.0055	-0.0023	-0.0045	-0.0008	0.0033
		Y	-0.0025	-0.0029	0.0067	0.0060	-0.0017	-0.0014
		Z	0.0090	-0.0043	0.0034	-0.0005	-0.0002	0.0051
AT.	9 SI	X	-0.0074	0.0083	-0.0071	0.0020	0.0026	-0.0067
		Y	0.0052	0.0013	-0.0029	0.0040	-0.0018	0.0002
		Z	-0.0019	-0.0006	-0.0007	0.0062	0.0026	-0.0041
AT.	10 SI	X	0.0074	0.0083	0.0071	-0.0020	-0.0026	-0.0067
		Y	-0.0052	0.0013	0.0029	-0.0040	0.0018	0.0002
		Z	-0.0019	0.0006	-0.0007	0.0062	0.0026	0.0041
AT.	11 SI	X	0.0074	0.0083	-0.0071	-0.0020	-0.0026	0.0067
		Y	0.0052	-0.0013	0.0029	0.0040	-0.0018	0.0002
		Z	-0.0019	0.0006	0.0007	0.0062	0.0026	-0.0041
AT.	12 SI	X	-0.0074	0.0083	0.0071	0.0020	0.0026	0.0067
		Y	-0.0052	-0.0013	-0.0029	-0.0040	0.0018	0.0002
		Z	-0.0019	-0.0006	0.0007	0.0062	0.0026	0.0041
AT.	13 SI	X	0.0074	-0.0083	-0.0071	-0.0020	0.0026	0.0067
		Y	-0.0052	-0.0013	-0.0029	-0.0040	-0.0018	-0.0002
		Z	0.0019	0.0006	-0.0007	-0.0062	0.0026	0.0041
AT.	14 SI	X	-0.0074	-0.0083	0.0071	0.0020	-0.0026	0.0067
		Y	0.0052	-0.0013	0.0029	0.0040	0.0018	-0.0002
		Z	0.0019	-0.0006	-0.0007	-0.0062	0.0026	-0.0041
AT.	15 SI	X	-0.0074	-0.0083	-0.0071	0.0020	-0.0026	-0.0067
		Y	-0.0052	0.0013	0.0029	-0.0040	-0.0018	-0.0002
		Z	0.0019	-0.0006	0.0007	-0.0062	0.0026	0.0041
AT.	16 SI	X	0.0074	-0.0083	0.0071	-0.0020	0.0026	-0.0067
		Y	0.0052	0.0013	-0.0029	0.0040	0.0018	-0.0002
		Z	0.0019	0.0006	0.0007	-0.0062	0.0026	-0.0041
AT.	17 SI	X	0.0015	-0.0040	0.0000	-0.0001	0.0014	0.0000
		Y	0.0000	0.0000	-0.0073	0.0000	0.0000	-0.0012
		Z	0.0069	0.0034	0.0000	0.0058	0.0013	0.0000
AT.	18 SI	X	-0.0015	-0.0040	0.0000	0.0001	-0.0014	0.0000
		Y	0.0000	0.0000	0.0073	0.0000	0.0000	-0.0012
		Z	0.0069	-0.0034	0.0000	0.0058	0.0013	0.0000
AT.	19 SI	X	-0.0015	0.0040	0.0000	0.0001	0.0014	0.0000
		Y	0.0000	0.0000	-0.0073	0.0000	0.0000	0.0012
		Z	-0.0069	-0.0034	0.0000	-0.0058	0.0013	0.0000
AT.	20 SI	X	0.0015	0.0040	0.0000	-0.0001	-0.0014	0.0000
		Y	0.0000	0.0000	0.0073	0.0000	0.0000	0.0012
		Z	-0.0069	0.0034	0.0000	-0.0058	0.0013	0.0000
AT.	21 CA	X	-0.0035	-0.0062	0.0059	0.0025	-0.0053	-0.0029
		Y	0.0179	0.0059	0.0126	0.0008	-0.0174	0.0114
		Z	-0.0080	0.0015	0.0044	-0.0147	-0.0006	0.0061
AT.	22 CA	X	0.0035	-0.0062	-0.0059	-0.0025	0.0053	-0.0029
		Y	-0.0179	0.0059	-0.0126	-0.0008	0.0174	0.0114

		Z	-0.0080	-0.0015	0.0044	-0.0147	-0.0006	-0.0061
AT.	23	CA X	0.0035	-0.0062	0.0059	-0.0025	0.0053	0.0029
		Y	0.0179	-0.0059	-0.0126	0.0008	-0.0174	0.0114
		Z	-0.0080	-0.0015	-0.0044	-0.0147	-0.0006	0.0061
AT.	24	CA X	-0.0035	-0.0062	-0.0059	0.0025	-0.0053	0.0029
		Y	-0.0179	-0.0059	0.0126	-0.0008	0.0174	0.0114
		Z	-0.0080	0.0015	-0.0044	-0.0147	-0.0006	-0.0061
AT.	25	CA X	0.0035	0.0062	0.0059	-0.0025	-0.0053	0.0029
		Y	-0.0179	-0.0059	0.0126	-0.0008	-0.0174	-0.0114
		Z	0.0080	-0.0015	0.0044	0.0147	-0.0006	-0.0061
AT.	26	CA X	-0.0035	0.0062	-0.0059	0.0025	0.0053	0.0029
		Y	0.0179	-0.0059	-0.0126	0.0008	0.0174	-0.0114
		Z	0.0080	0.0015	0.0044	0.0147	-0.0006	0.0061
AT.	27	CA X	-0.0035	0.0062	0.0059	0.0025	0.0053	-0.0029
		Y	-0.0179	0.0059	-0.0126	-0.0008	-0.0174	-0.0114
		Z	0.0080	0.0015	-0.0044	0.0147	-0.0006	-0.0061
AT.	28	CA X	0.0035	0.0062	-0.0059	-0.0025	-0.0053	-0.0029
		Y	0.0179	0.0059	0.0126	0.0008	0.0174	-0.0114
		Z	0.0080	-0.0015	-0.0044	0.0147	-0.0006	0.0061
AT.	29	CA X	0.0000	0.0000	-0.0144	0.0000	0.0006	0.0000
		Y	0.0000	0.0000	-0.0118	0.0000	0.0000	0.0000
		Z	0.0000	0.0000	0.0068	0.0000	-0.0040	0.0000
AT.	30	CA X	0.0000	0.0000	0.0144	0.0000	-0.0006	0.0000
		Y	0.0000	0.0000	0.0118	0.0000	0.0000	0.0000
		Z	0.0000	0.0000	0.0068	0.0000	-0.0040	0.0000
AT.	31	CA X	0.0000	0.0000	-0.0144	0.0000	-0.0006	0.0000
		Y	0.0000	0.0000	0.0118	0.0000	0.0000	0.0000
		Z	0.0000	0.0000	-0.0068	0.0000	-0.0040	0.0000
AT.	32	CA X	0.0000	0.0000	0.0144	0.0000	0.0006	0.0000
		Y	0.0000	0.0000	-0.0118	0.0000	0.0000	0.0000
		Z	0.0000	0.0000	-0.0068	0.0000	-0.0040	0.0000
AT.	33	CA X	-0.0014	-0.0010	0.0124	-0.0113	-0.0055	0.0056
		Y	0.0032	0.0063	0.0021	-0.0073	0.0090	0.0029
		Z	0.0008	-0.0008	0.0008	-0.0083	0.0048	0.0056
AT.	34	CA X	0.0014	-0.0010	-0.0124	0.0113	0.0055	0.0056
		Y	-0.0032	0.0063	-0.0021	0.0073	-0.0090	0.0029
		Z	0.0008	0.0008	0.0008	-0.0083	0.0048	-0.0056
AT.	35	CA X	0.0014	-0.0010	0.0124	0.0113	0.0055	-0.0056
		Y	0.0032	-0.0063	-0.0021	-0.0073	0.0090	0.0029
		Z	0.0008	0.0008	-0.0008	-0.0083	0.0048	0.0056
AT.	36	CA X	-0.0014	-0.0010	-0.0124	-0.0113	-0.0055	-0.0056
		Y	-0.0032	-0.0063	0.0021	0.0073	-0.0090	0.0029
		Z	0.0008	-0.0008	-0.0008	-0.0083	0.0048	-0.0056
AT.	37	CA X	0.0014	0.0010	0.0124	0.0113	-0.0055	-0.0056
		Y	-0.0032	-0.0063	0.0021	0.0073	0.0090	-0.0029
		Z	-0.0008	0.0008	0.0008	0.0083	0.0048	-0.0056
AT.	38	CA X	-0.0014	0.0010	-0.0124	-0.0113	0.0055	-0.0056
		Y	0.0032	-0.0063	-0.0021	-0.0073	-0.0090	-0.0029
		Z	-0.0008	-0.0008	0.0008	0.0083	0.0048	0.0056
AT.	39	CA X	-0.0014	0.0010	0.0124	-0.0113	0.0055	0.0056
		Y	-0.0032	0.0063	-0.0021	0.0073	0.0090	-0.0029
		Z	-0.0008	-0.0008	-0.0008	0.0083	0.0048	-0.0056
AT.	40	CA X	0.0014	0.0010	-0.0124	0.0113	-0.0055	0.0056
		Y	0.0032	0.0063	0.0021	-0.0073	-0.0090	-0.0029
		Z	-0.0008	0.0008	-0.0008	0.0083	0.0048	0.0056
AT.	41	CA X	0.0143	0.0038	-0.0067	0.0013	0.0015	0.0019
		Y	0.0042	0.0021	-0.0087	0.0091	-0.0032	-0.0069
		Z	0.0003	-0.0039	0.0067	0.0027	-0.0078	0.0013
AT.	42	CA X	-0.0143	0.0038	0.0067	-0.0013	-0.0015	0.0019
		Y	-0.0042	0.0021	0.0087	-0.0091	0.0032	-0.0069
		Z	0.0003	0.0039	0.0067	0.0027	-0.0078	-0.0013

AT.	43	CA	X	-0.0143	0.0038	-0.0067	-0.0013	-0.0015	-0.0019
			Y	0.0042	-0.0021	0.0087	0.0091	-0.0032	-0.0069
			Z	0.0003	0.0039	-0.0067	0.0027	-0.0078	0.0013
AT.	44	CA	X	0.0143	0.0038	0.0067	0.0013	0.0015	-0.0019
			Y	-0.0042	-0.0021	-0.0087	-0.0091	0.0032	-0.0069
			Z	0.0003	-0.0039	-0.0067	0.0027	-0.0078	-0.0013
AT.	45	CA	X	-0.0143	-0.0038	-0.0067	-0.0013	0.0015	-0.0019
			Y	-0.0042	-0.0021	-0.0087	-0.0091	-0.0032	0.0069
			Z	-0.0003	0.0039	0.0067	-0.0027	-0.0078	-0.0013
AT.	46	CA	X	0.0143	-0.0038	0.0067	0.0013	-0.0015	-0.0019
			Y	0.0042	-0.0021	0.0087	0.0091	0.0032	0.0069
			Z	-0.0003	-0.0039	0.0067	-0.0027	-0.0078	0.0013
AT.	47	CA	X	0.0143	-0.0038	-0.0067	0.0013	-0.0015	0.0019
			Y	-0.0042	0.0021	0.0087	-0.0091	-0.0032	0.0069
			Z	-0.0003	-0.0039	-0.0067	-0.0027	-0.0078	-0.0013
AT.	48	CA	X	-0.0143	-0.0038	0.0067	-0.0013	0.0015	0.0019
			Y	0.0042	0.0021	-0.0087	0.0091	0.0032	0.0069
			Z	-0.0003	0.0039	-0.0067	-0.0027	-0.0078	0.0013
AT.	49	CA	X	0.0007	-0.0016	0.0000	-0.0002	-0.0010	0.0000
			Y	0.0000	0.0000	0.0167	0.0000	0.0000	0.0312
			Z	0.0016	0.0015	0.0000	0.0068	0.0022	0.0000
AT.	50	CA	X	-0.0007	-0.0016	0.0000	0.0002	0.0010	0.0000
			Y	0.0000	0.0000	-0.0167	0.0000	0.0000	0.0312
			Z	0.0016	-0.0015	0.0000	0.0068	0.0022	0.0000
AT.	51	CA	X	-0.0007	0.0016	0.0000	0.0002	-0.0010	0.0000
			Y	0.0000	0.0000	0.0167	0.0000	0.0000	-0.0312
			Z	-0.0016	-0.0015	0.0000	-0.0068	0.0022	0.0000
AT.	52	CA	X	0.0007	0.0016	0.0000	-0.0002	0.0010	0.0000
			Y	0.0000	0.0000	-0.0167	0.0000	0.0000	-0.0312
			Z	-0.0016	0.0015	0.0000	-0.0068	0.0022	0.0000
AT.	53	O	X	-0.0018	-0.0049	0.0032	0.0050	0.0075	0.0009
			Y	0.0008	-0.0042	0.0058	0.0063	-0.0001	0.0024
			Z	-0.0141	-0.0149	-0.0097	0.0175	-0.0154	-0.0086
AT.	54	O	X	0.0018	-0.0049	-0.0032	-0.0050	-0.0075	0.0009
			Y	-0.0008	-0.0042	-0.0058	-0.0063	0.0001	0.0024
			Z	-0.0141	0.0149	-0.0097	0.0175	-0.0154	0.0086
AT.	55	O	X	0.0018	-0.0049	0.0032	-0.0050	-0.0075	-0.0009
			Y	0.0008	0.0042	-0.0058	0.0063	-0.0001	0.0024
			Z	-0.0141	0.0149	0.0097	0.0175	-0.0154	-0.0086
AT.	56	O	X	-0.0018	-0.0049	-0.0032	0.0050	0.0075	-0.0009
			Y	-0.0008	0.0042	0.0058	-0.0063	0.0001	0.0024
			Z	-0.0141	-0.0149	0.0097	0.0175	-0.0154	0.0086
AT.	57	O	X	0.0018	0.0049	0.0032	-0.0050	0.0075	-0.0009
			Y	-0.0008	0.0042	0.0058	-0.0063	-0.0001	-0.0024
			Z	0.0141	0.0149	-0.0097	-0.0175	-0.0154	0.0086
AT.	58	O	X	-0.0018	0.0049	-0.0032	0.0050	-0.0075	-0.0009
			Y	0.0008	0.0042	-0.0058	0.0063	0.0001	-0.0024
			Z	0.0141	-0.0149	-0.0097	-0.0175	-0.0154	-0.0086
AT.	59	O	X	-0.0018	0.0049	0.0032	0.0050	-0.0075	0.0009
			Y	-0.0008	-0.0042	-0.0058	-0.0063	-0.0001	-0.0024
			Z	0.0141	-0.0149	0.0097	-0.0175	-0.0154	0.0086
AT.	60	O	X	0.0018	0.0049	-0.0032	-0.0050	0.0075	0.0009
			Y	0.0008	-0.0042	0.0058	0.0063	0.0001	-0.0024
			Z	0.0141	0.0149	0.0097	-0.0175	-0.0154	-0.0086
AT.	61	O	X	0.0146	-0.0078	0.0015	0.0085	-0.0059	0.0024
			Y	-0.0098	-0.0178	-0.0063	0.0228	-0.0197	-0.0099
			Z	0.0001	0.0117	0.0045	-0.0089	0.0105	0.0104
AT.	62	O	X	-0.0146	-0.0078	-0.0015	-0.0085	0.0059	0.0024
			Y	0.0098	-0.0178	0.0063	-0.0228	0.0197	-0.0099
			Z	0.0001	-0.0117	0.0045	-0.0089	0.0105	-0.0104
AT.	63	O	X	-0.0146	-0.0078	0.0015	-0.0085	0.0059	-0.0024

		Y	-0.0098	0.0178	0.0063	0.0228	-0.0197	-0.0099
		Z	0.0001	-0.0117	-0.0045	-0.0089	0.0105	0.0104
AT.	64 O	X	0.0146	-0.0078	-0.0015	0.0085	-0.0059	-0.0024
		Y	0.0098	0.0178	-0.0063	-0.0228	0.0197	-0.0099
		Z	0.0001	0.0117	-0.0045	-0.0089	0.0105	-0.0104
AT.	65 O	X	-0.0146	0.0078	0.0015	-0.0085	-0.0059	-0.0024
		Y	0.0098	0.0178	-0.0063	-0.0228	-0.0197	0.0099
		Z	-0.0001	-0.0117	0.0045	0.0089	0.0105	-0.0104
AT.	66 O	X	0.0146	0.0078	-0.0015	0.0085	0.0059	-0.0024
		Y	-0.0098	0.0178	0.0063	0.0228	0.0197	0.0099
		Z	-0.0001	0.0117	0.0045	0.0089	0.0105	0.0104
AT.	67 O	X	0.0146	0.0078	0.0015	0.0085	0.0059	0.0024
		Y	0.0098	-0.0178	0.0063	-0.0228	-0.0197	0.0099
		Z	-0.0001	0.0117	-0.0045	0.0089	0.0105	-0.0104
AT.	68 O	X	-0.0146	0.0078	-0.0015	-0.0085	-0.0059	0.0024
		Y	-0.0098	-0.0178	-0.0063	0.0228	0.0197	0.0099
		Z	-0.0001	-0.0117	-0.0045	0.0089	0.0105	0.0104
AT.	69 O	X	-0.0059	-0.0042	-0.0004	0.0024	-0.0062	0.0031
		Y	0.0075	0.0176	0.0147	-0.0167	0.0187	0.0124
		Z	0.0018	0.0147	0.0043	-0.0104	0.0103	0.0115
AT.	70 O	X	0.0059	-0.0042	0.0004	-0.0024	0.0062	0.0031
		Y	-0.0075	0.0176	-0.0147	0.0167	-0.0187	0.0124
		Z	0.0018	-0.0147	0.0043	-0.0104	0.0103	-0.0115
AT.	71 O	X	0.0059	-0.0042	-0.0004	-0.0024	0.0062	-0.0031
		Y	0.0075	-0.0176	-0.0147	-0.0167	0.0187	0.0124
		Z	0.0018	-0.0147	-0.0043	-0.0104	0.0103	0.0115
AT.	72 O	X	-0.0059	-0.0042	0.0004	0.0024	-0.0062	-0.0031
		Y	-0.0075	-0.0176	0.0147	0.0167	-0.0187	0.0124
		Z	0.0018	0.0147	-0.0043	-0.0104	0.0103	-0.0115
AT.	73 O	X	0.0059	0.0042	-0.0004	-0.0024	-0.0062	-0.0031
		Y	-0.0075	-0.0176	0.0147	0.0167	0.0187	-0.0124
		Z	-0.0018	-0.0147	0.0043	0.0104	0.0103	-0.0115
AT.	74 O	X	-0.0059	0.0042	0.0004	0.0024	0.0062	-0.0031
		Y	0.0075	-0.0176	-0.0147	-0.0167	-0.0187	-0.0124
		Z	-0.0018	0.0147	0.0043	0.0104	0.0103	0.0115
AT.	75 O	X	-0.0059	0.0042	-0.0004	0.0024	0.0062	0.0031
		Y	-0.0075	0.0176	-0.0147	0.0167	0.0187	-0.0124
		Z	-0.0018	0.0147	-0.0043	0.0104	0.0103	-0.0115
AT.	76 O	X	0.0059	0.0042	0.0004	-0.0024	-0.0062	0.0031
		Y	0.0075	0.0176	0.0147	-0.0167	-0.0187	-0.0124
		Z	-0.0018	-0.0147	-0.0043	0.0104	0.0103	0.0115
AT.	77 O	X	0.0027	-0.0065	0.0023	0.0051	-0.0006	0.0034
		Y	-0.0081	-0.0114	0.0037	0.0093	0.0259	-0.0045
		Z	-0.0204	0.0059	-0.0015	-0.0052	-0.0045	0.0028
AT.	78 O	X	-0.0027	-0.0065	-0.0023	-0.0051	0.0006	0.0034
		Y	0.0081	-0.0114	-0.0037	-0.0093	-0.0259	-0.0045
		Z	-0.0204	-0.0059	-0.0015	-0.0052	-0.0045	-0.0028
AT.	79 O	X	-0.0027	-0.0065	0.0023	-0.0051	0.0006	-0.0034
		Y	-0.0081	0.0114	-0.0037	0.0093	0.0259	-0.0045
		Z	-0.0204	-0.0059	0.0015	-0.0052	-0.0045	0.0028
AT.	80 O	X	0.0027	-0.0065	-0.0023	0.0051	-0.0006	-0.0034
		Y	0.0081	0.0114	0.0037	-0.0093	-0.0259	-0.0045
		Z	-0.0204	0.0059	0.0015	-0.0052	-0.0045	-0.0028
AT.	81 O	X	-0.0027	0.0065	0.0023	-0.0051	-0.0006	-0.0034
		Y	0.0081	0.0114	0.0037	-0.0093	0.0259	0.0045
		Z	0.0204	-0.0059	-0.0015	0.0052	-0.0045	-0.0028
AT.	82 O	X	0.0027	0.0065	-0.0023	0.0051	0.0006	-0.0034
		Y	-0.0081	0.0114	-0.0037	0.0093	-0.0259	0.0045
		Z	0.0204	0.0059	-0.0015	0.0052	-0.0045	0.0028
AT.	83 O	X	0.0027	0.0065	0.0023	0.0051	0.0006	0.0034
		Y	0.0081	-0.0114	-0.0037	-0.0093	0.0259	0.0045

		Z	0.0204	0.0059	0.0015	0.0052	-0.0045	-0.0028
AT.	84 O	X	-0.0027	0.0065	-0.0023	-0.0051	-0.0006	0.0034
		Y	-0.0081	-0.0114	0.0037	0.0093	-0.0259	0.0045
		Z	0.0204	-0.0059	0.0015	0.0052	-0.0045	0.0028
AT.	85 O	X	-0.0042	0.0145	-0.0146	0.0092	0.0044	-0.0076
		Y	0.0063	-0.0101	-0.0105	0.0098	-0.0034	-0.0058
		Z	0.0000	0.0084	-0.0006	0.0042	0.0044	-0.0007
AT.	86 O	X	0.0042	0.0145	0.0146	-0.0092	-0.0044	-0.0076
		Y	-0.0063	-0.0101	0.0105	-0.0098	0.0034	-0.0058
		Z	0.0000	-0.0084	-0.0006	0.0042	0.0044	0.0007
AT.	87 O	X	0.0042	0.0145	-0.0146	-0.0092	-0.0044	0.0076
		Y	0.0063	0.0101	0.0105	0.0098	-0.0034	-0.0058
		Z	0.0000	-0.0084	0.0006	0.0042	0.0044	-0.0007
AT.	88 O	X	-0.0042	0.0145	0.0146	0.0092	0.0044	0.0076
		Y	-0.0063	0.0101	-0.0105	-0.0098	0.0034	-0.0058
		Z	0.0000	0.0084	0.0006	0.0042	0.0044	0.0007
AT.	89 O	X	0.0042	-0.0145	-0.0146	-0.0092	0.0044	0.0076
		Y	-0.0063	0.0101	-0.0105	-0.0098	-0.0034	0.0058
		Z	0.0000	-0.0084	-0.0006	-0.0042	0.0044	0.0007
AT.	90 O	X	-0.0042	-0.0145	0.0146	0.0092	-0.0044	0.0076
		Y	0.0063	0.0101	0.0105	0.0098	0.0034	0.0058
		Z	0.0000	0.0084	-0.0006	-0.0042	0.0044	-0.0007
AT.	91 O	X	-0.0042	-0.0145	-0.0146	0.0092	-0.0044	-0.0076
		Y	-0.0063	-0.0101	0.0105	-0.0098	-0.0034	0.0058
		Z	0.0000	0.0084	0.0006	-0.0042	0.0044	0.0007
AT.	92 O	X	0.0042	-0.0145	0.0146	-0.0092	0.0044	-0.0076
		Y	0.0063	-0.0101	-0.0105	0.0098	0.0034	0.0058
		Z	0.0000	-0.0084	0.0006	-0.0042	0.0044	-0.0007
AT.	93 O	X	-0.0087	0.0087	-0.0029	-0.0008	0.0029	-0.0090
		Y	0.0066	0.0017	-0.0027	0.0050	-0.0015	0.0038
		Z	-0.0099	-0.0055	-0.0163	0.0111	0.0048	-0.0189
AT.	94 O	X	0.0087	0.0087	0.0029	0.0008	-0.0029	-0.0090
		Y	-0.0066	0.0017	0.0027	-0.0050	0.0015	0.0038
		Z	-0.0099	0.0055	-0.0163	0.0111	0.0048	0.0189
AT.	95 O	X	0.0087	0.0087	-0.0029	0.0008	-0.0029	0.0090
		Y	0.0066	-0.0017	0.0027	0.0050	-0.0015	0.0038
		Z	-0.0099	0.0055	0.0163	0.0111	0.0048	-0.0189
AT.	96 O	X	-0.0087	0.0087	0.0029	-0.0008	0.0029	0.0090
		Y	-0.0066	-0.0017	-0.0027	-0.0050	0.0015	0.0038
		Z	-0.0099	-0.0055	0.0163	0.0111	0.0048	0.0189
AT.	97 O	X	0.0087	-0.0087	-0.0029	0.0008	0.0029	0.0090
		Y	-0.0066	-0.0017	-0.0027	-0.0050	-0.0015	-0.0038
		Z	0.0099	0.0055	-0.0163	-0.0111	0.0048	0.0189
AT.	98 O	X	-0.0087	-0.0087	0.0029	-0.0008	-0.0029	0.0090
		Y	0.0066	-0.0017	0.0027	0.0050	0.0015	-0.0038
		Z	0.0099	-0.0055	-0.0163	-0.0111	0.0048	-0.0189
AT.	99 O	X	-0.0087	-0.0087	-0.0029	-0.0008	-0.0029	-0.0090
		Y	-0.0066	0.0017	0.0027	-0.0050	-0.0015	-0.0038
		Z	0.0099	-0.0055	0.0163	-0.0111	0.0048	0.0189
AT.	100 O	X	0.0087	-0.0087	0.0029	0.0008	0.0029	-0.0090
		Y	0.0066	0.0017	-0.0027	0.0050	0.0015	-0.0038
		Z	0.0099	0.0055	0.0163	-0.0111	0.0048	-0.0189
AT.	101 O	X	-0.0118	-0.0071	-0.0059	-0.0004	0.0011	-0.0067
		Y	0.0109	0.0157	0.0024	0.0005	0.0048	0.0117
		Z	0.0047	0.0163	0.0001	0.0063	0.0075	0.0014
AT.	102 O	X	0.0118	-0.0071	0.0059	0.0004	-0.0011	-0.0067
		Y	-0.0109	0.0157	-0.0024	-0.0005	-0.0048	0.0117
		Z	0.0047	-0.0163	0.0001	0.0063	0.0075	-0.0014
AT.	103 O	X	0.0118	-0.0071	-0.0059	0.0004	-0.0011	0.0067
		Y	0.0109	-0.0157	-0.0024	0.0005	0.0048	0.0117
		Z	0.0047	-0.0163	-0.0001	0.0063	0.0075	0.0014

AT. 104 O	X	-0.0118	-0.0071	0.0059	-0.0004	0.0011	0.0067
	Y	-0.0109	-0.0157	0.0024	-0.0005	-0.0048	0.0117
	Z	0.0047	0.0163	-0.0001	0.0063	0.0075	-0.0014
AT. 105 O	X	0.0118	0.0071	-0.0059	0.0004	0.0011	0.0067
	Y	-0.0109	-0.0157	0.0024	-0.0005	0.0048	-0.0117
	Z	-0.0047	-0.0163	0.0001	-0.0063	0.0075	-0.0014
AT. 106 O	X	-0.0118	0.0071	0.0059	-0.0004	-0.0011	0.0067
	Y	0.0109	-0.0157	-0.0024	0.0005	-0.0048	-0.0117
	Z	-0.0047	0.0163	0.0001	-0.0063	0.0075	0.0014
AT. 107 O	X	-0.0118	0.0071	-0.0059	-0.0004	-0.0011	-0.0067
	Y	-0.0109	0.0157	-0.0024	-0.0005	0.0048	-0.0117
	Z	-0.0047	0.0163	-0.0001	-0.0063	0.0075	-0.0014
AT. 108 O	X	0.0118	0.0071	0.0059	0.0004	0.0011	-0.0067
	Y	0.0109	0.0157	0.0024	0.0005	-0.0048	-0.0117
	Z	-0.0047	-0.0163	-0.0001	-0.0063	0.0075	0.0014
AT. 109 O	X	-0.0084	0.0084	-0.0081	0.0019	0.0023	-0.0074
	Y	0.0016	0.0005	0.0095	-0.0034	0.0003	0.0063
	Z	-0.0030	-0.0206	0.0021	-0.0031	-0.0072	-0.0085
AT. 110 O	X	0.0084	0.0084	0.0081	-0.0019	-0.0023	-0.0074
	Y	-0.0016	0.0005	-0.0095	0.0034	-0.0003	0.0063
	Z	-0.0030	0.0206	0.0021	-0.0031	-0.0072	0.0085
AT. 111 O	X	0.0084	0.0084	-0.0081	-0.0019	-0.0023	0.0074
	Y	0.0016	-0.0005	-0.0095	-0.0034	0.0003	0.0063
	Z	-0.0030	0.0206	-0.0021	-0.0031	-0.0072	-0.0085
AT. 112 O	X	-0.0084	0.0084	0.0081	0.0019	0.0023	0.0074
	Y	-0.0016	-0.0005	0.0095	0.0034	-0.0003	0.0063
	Z	-0.0030	-0.0206	-0.0021	-0.0031	-0.0072	0.0085
AT. 113 O	X	0.0084	-0.0084	-0.0081	-0.0019	0.0023	0.0074
	Y	-0.0016	-0.0005	0.0095	0.0034	0.0003	-0.0063
	Z	0.0030	0.0206	0.0021	0.0031	-0.0072	0.0085
AT. 114 O	X	-0.0084	-0.0084	0.0081	0.0019	-0.0023	0.0074
	Y	0.0016	-0.0005	-0.0095	-0.0034	-0.0003	-0.0063
	Z	0.0030	-0.0206	0.0021	0.0031	-0.0072	-0.0085
AT. 115 O	X	-0.0084	-0.0084	-0.0081	0.0019	-0.0023	-0.0074
	Y	-0.0016	0.0005	-0.0095	0.0034	0.0003	-0.0063
	Z	0.0030	-0.0206	-0.0021	0.0031	-0.0072	0.0085
AT. 116 O	X	0.0084	-0.0084	0.0081	-0.0019	0.0023	-0.0074
	Y	0.0016	0.0005	0.0095	-0.0034	-0.0003	-0.0063
	Z	0.0030	0.0206	-0.0021	0.0031	-0.0072	-0.0085
AT. 117 O	X	0.0034	-0.0008	0.0019	-0.0002	0.0019	0.0033
	Y	-0.0050	0.0062	-0.0012	0.0003	0.0056	0.0014
	Z	0.0094	-0.0044	-0.0078	0.0048	-0.0044	-0.0052
AT. 118 O	X	-0.0034	-0.0008	-0.0019	0.0002	-0.0019	0.0033
	Y	0.0050	0.0062	0.0012	-0.0003	-0.0056	0.0014
	Z	0.0094	0.0044	-0.0078	0.0048	-0.0044	0.0052
AT. 119 O	X	-0.0034	-0.0008	0.0019	0.0002	-0.0019	-0.0033
	Y	-0.0050	-0.0062	0.0012	0.0003	0.0056	0.0014
	Z	0.0094	0.0044	0.0078	0.0048	-0.0044	-0.0052
AT. 120 O	X	0.0034	-0.0008	-0.0019	-0.0002	0.0019	-0.0033
	Y	0.0050	-0.0062	-0.0012	-0.0003	-0.0056	0.0014
	Z	0.0094	-0.0044	0.0078	0.0048	-0.0044	0.0052
AT. 121 O	X	-0.0034	0.0008	0.0019	0.0002	0.0019	-0.0033
	Y	0.0050	-0.0062	-0.0012	-0.0003	0.0056	-0.0014
	Z	-0.0094	0.0044	-0.0078	-0.0048	-0.0044	0.0052
AT. 122 O	X	0.0034	0.0008	-0.0019	-0.0002	-0.0019	-0.0033
	Y	-0.0050	-0.0062	0.0012	0.0003	-0.0056	-0.0014
	Z	-0.0094	-0.0044	-0.0078	-0.0048	-0.0044	-0.0052
AT. 123 O	X	0.0034	0.0008	0.0019	-0.0002	-0.0019	0.0033
	Y	0.0050	0.0062	0.0012	-0.0003	0.0056	-0.0014
	Z	-0.0094	-0.0044	0.0078	-0.0048	-0.0044	0.0052
AT. 124 O	X	-0.0034	0.0008	-0.0019	0.0002	0.0019	0.0033

	Y	-0.0050	0.0062	-0.0012	0.0003	-0.0056	-0.0014
	Z	-0.0094	0.0044	0.0078	-0.0048	-0.0044	-0.0052
FREQ(CM**-1)		256.84	257.14	258.47	259.18	259.21	259.51
AT. 1 SI	X	-0.0005	-0.0042	-0.0010	-0.0012	0.0025	-0.0025
	Y	-0.0136	-0.0071	-0.0079	0.0129	-0.0037	0.0061
	Z	0.0065	-0.0023	0.0058	-0.0047	0.0018	-0.0061
AT. 2 SI	X	-0.0005	-0.0042	-0.0010	0.0012	0.0025	0.0025
	Y	-0.0136	-0.0071	-0.0079	-0.0129	-0.0037	-0.0061
	Z	-0.0065	0.0023	-0.0058	-0.0047	-0.0018	-0.0061
AT. 3 SI	X	-0.0005	0.0042	-0.0010	-0.0012	-0.0025	-0.0025
	Y	0.0136	-0.0071	0.0079	-0.0129	-0.0037	-0.0061
	Z	-0.0065	-0.0023	-0.0058	0.0047	0.0018	0.0061
AT. 4 SI	X	-0.0005	0.0042	-0.0010	0.0012	-0.0025	0.0025
	Y	0.0136	-0.0071	0.0079	0.0129	-0.0037	0.0061
	Z	0.0065	0.0023	0.0058	0.0047	-0.0018	0.0061
AT. 5 SI	X	-0.0005	0.0042	-0.0010	-0.0012	0.0025	0.0025
	Y	-0.0136	0.0071	-0.0079	0.0129	-0.0037	-0.0061
	Z	0.0065	0.0023	0.0058	-0.0047	0.0018	0.0061
AT. 6 SI	X	-0.0005	0.0042	-0.0010	0.0012	0.0025	-0.0025
	Y	-0.0136	0.0071	-0.0079	-0.0129	-0.0037	0.0061
	Z	-0.0065	-0.0023	-0.0058	-0.0047	-0.0018	0.0061
AT. 7 SI	X	-0.0005	-0.0042	-0.0010	-0.0012	-0.0025	0.0025
	Y	0.0136	0.0071	0.0079	-0.0129	-0.0037	0.0061
	Z	-0.0065	0.0023	-0.0058	0.0047	0.0018	-0.0061
AT. 8 SI	X	-0.0005	-0.0042	-0.0010	0.0012	-0.0025	-0.0025
	Y	0.0136	0.0071	0.0079	0.0129	-0.0037	-0.0061
	Z	0.0065	-0.0023	0.0058	0.0047	-0.0018	-0.0061
AT. 9 SI	X	-0.0002	0.0068	0.0095	-0.0044	0.0028	0.0000
	Y	-0.0034	-0.0083	0.0002	0.0062	0.0073	-0.0047
	Z	-0.0074	-0.0044	-0.0014	0.0038	-0.0017	0.0040
AT. 10 SI	X	-0.0002	0.0068	0.0095	0.0044	0.0028	0.0000
	Y	-0.0034	-0.0083	0.0002	-0.0062	0.0073	0.0047
	Z	0.0074	0.0044	0.0014	0.0038	0.0017	0.0040
AT. 11 SI	X	-0.0002	-0.0068	0.0095	-0.0044	-0.0028	0.0000
	Y	0.0034	-0.0083	-0.0002	-0.0062	0.0073	0.0047
	Z	0.0074	-0.0044	0.0014	-0.0038	-0.0017	-0.0040
AT. 12 SI	X	-0.0002	-0.0068	0.0095	0.0044	-0.0028	0.0000
	Y	0.0034	-0.0083	-0.0002	0.0062	0.0073	-0.0047
	Z	-0.0074	0.0044	-0.0014	-0.0038	0.0017	-0.0040
AT. 13 SI	X	-0.0002	-0.0068	0.0095	-0.0044	0.0028	0.0000
	Y	-0.0034	0.0083	0.0002	0.0062	0.0073	0.0047
	Z	-0.0074	0.0044	-0.0014	0.0038	-0.0017	-0.0040
AT. 14 SI	X	-0.0002	-0.0068	0.0095	0.0044	0.0028	0.0000
	Y	-0.0034	0.0083	0.0002	-0.0062	0.0073	-0.0047
	Z	0.0074	-0.0044	0.0014	0.0038	0.0017	-0.0040
AT. 15 SI	X	-0.0002	0.0068	0.0095	-0.0044	-0.0028	0.0000
	Y	0.0034	0.0083	-0.0002	-0.0062	0.0073	-0.0047
	Z	0.0074	0.0044	0.0014	-0.0038	-0.0017	0.0040
AT. 16 SI	X	-0.0002	0.0068	0.0095	0.0044	-0.0028	0.0000
	Y	0.0034	0.0083	-0.0002	0.0062	0.0073	0.0047
	Z	-0.0074	-0.0044	-0.0014	-0.0038	0.0017	0.0040
AT. 17 SI	X	-0.0001	0.0000	-0.0051	0.0000	0.0000	0.0000
	Y	0.0000	-0.0067	0.0000	0.0057	0.0059	0.0018
	Z	-0.0074	0.0000	0.0047	0.0000	0.0000	0.0000
AT. 18 SI	X	-0.0001	0.0000	-0.0051	0.0000	0.0000	0.0000
	Y	0.0000	-0.0067	0.0000	-0.0057	0.0059	-0.0018
	Z	0.0074	0.0000	-0.0047	0.0000	0.0000	0.0000
AT. 19 SI	X	-0.0001	0.0000	-0.0051	0.0000	0.0000	0.0000
	Y	0.0000	0.0067	0.0000	0.0057	0.0059	-0.0018

	Z	-0.0074	0.0000	0.0047	0.0000	0.0000	0.0000
AT. 20 SI	X	-0.0001	0.0000	-0.0051	0.0000	0.0000	0.0000
	Y	0.0000	0.0067	0.0000	-0.0057	0.0059	0.0018
	Z	0.0074	0.0000	-0.0047	0.0000	0.0000	0.0000
AT. 21 CA	X	-0.0046	-0.0002	-0.0045	0.0070	0.0015	-0.0076
	Y	-0.0066	-0.0061	0.0002	0.0062	-0.0033	-0.0158
	Z	0.0122	0.0028	-0.0034	-0.0054	-0.0019	0.0020
AT. 22 CA	X	-0.0046	-0.0002	-0.0045	-0.0070	0.0015	0.0076
	Y	-0.0066	-0.0061	0.0002	-0.0062	-0.0033	0.0158
	Z	-0.0122	-0.0028	0.0034	-0.0054	0.0019	0.0020
AT. 23 CA	X	-0.0046	0.0002	-0.0045	0.0070	-0.0015	-0.0076
	Y	0.0066	-0.0061	-0.0002	-0.0062	-0.0033	0.0158
	Z	-0.0122	0.0028	0.0034	0.0054	-0.0019	-0.0020
AT. 24 CA	X	-0.0046	0.0002	-0.0045	-0.0070	-0.0015	0.0076
	Y	0.0066	-0.0061	-0.0002	0.0062	-0.0033	-0.0158
	Z	0.0122	-0.0028	-0.0034	0.0054	0.0019	-0.0020
AT. 25 CA	X	-0.0046	0.0002	-0.0045	0.0070	0.0015	0.0076
	Y	-0.0066	0.0061	0.0002	0.0062	-0.0033	0.0158
	Z	0.0122	-0.0028	-0.0034	-0.0054	-0.0019	-0.0020
AT. 26 CA	X	-0.0046	0.0002	-0.0045	-0.0070	0.0015	-0.0076
	Y	-0.0066	0.0061	0.0002	-0.0062	-0.0033	-0.0158
	Z	-0.0122	0.0028	0.0034	-0.0054	0.0019	-0.0020
AT. 27 CA	X	-0.0046	-0.0002	-0.0045	0.0070	-0.0015	0.0076
	Y	0.0066	0.0061	-0.0002	-0.0062	-0.0033	-0.0158
	Z	-0.0122	-0.0028	0.0034	0.0054	-0.0019	0.0020
AT. 28 CA	X	-0.0046	-0.0002	-0.0045	-0.0070	-0.0015	-0.0076
	Y	0.0066	0.0061	-0.0002	0.0062	-0.0033	0.0158
	Z	0.0122	0.0028	-0.0034	0.0054	0.0019	0.0020
AT. 29 CA	X	0.0074	0.0000	0.0006	-0.0030	-0.0070	0.0000
	Y	0.0077	0.0000	0.0114	-0.0118	0.0118	0.0000
	Z	-0.0149	0.0000	-0.0032	0.0081	0.0095	0.0000
AT. 30 CA	X	0.0074	0.0000	0.0006	0.0030	-0.0070	0.0000
	Y	0.0077	0.0000	0.0114	0.0118	0.0118	0.0000
	Z	0.0149	0.0000	0.0032	0.0081	-0.0095	0.0000
AT. 31 CA	X	0.0074	0.0000	0.0006	-0.0030	0.0070	0.0000
	Y	-0.0077	0.0000	-0.0114	0.0118	0.0118	0.0000
	Z	0.0149	0.0000	0.0032	-0.0081	0.0095	0.0000
AT. 32 CA	X	0.0074	0.0000	0.0006	0.0030	0.0070	0.0000
	Y	-0.0077	0.0000	-0.0114	-0.0118	0.0118	0.0000
	Z	-0.0149	0.0000	-0.0032	-0.0081	-0.0095	0.0000
AT. 33 CA	X	0.0114	0.0060	-0.0049	-0.0053	-0.0088	-0.0024
	Y	0.0072	0.0062	0.0018	-0.0044	0.0077	0.0031
	Z	0.0081	0.0066	-0.0025	-0.0062	-0.0094	0.0088
AT. 34 CA	X	0.0114	0.0060	-0.0049	0.0053	-0.0088	0.0024
	Y	0.0072	0.0062	0.0018	0.0044	0.0077	-0.0031
	Z	-0.0081	-0.0066	0.0025	-0.0062	0.0094	0.0088
AT. 35 CA	X	0.0114	-0.0060	-0.0049	-0.0053	0.0088	-0.0024
	Y	-0.0072	0.0062	-0.0018	0.0044	0.0077	-0.0031
	Z	-0.0081	0.0066	0.0025	0.0062	-0.0094	-0.0088
AT. 36 CA	X	0.0114	-0.0060	-0.0049	0.0053	0.0088	0.0024
	Y	-0.0072	0.0062	-0.0018	-0.0044	0.0077	0.0031
	Z	0.0081	-0.0066	-0.0025	0.0062	0.0094	-0.0088
AT. 37 CA	X	0.0114	-0.0060	-0.0049	-0.0053	-0.0088	0.0024
	Y	0.0072	-0.0062	0.0018	-0.0044	0.0077	-0.0031
	Z	0.0081	-0.0066	-0.0025	-0.0062	-0.0094	-0.0088
AT. 38 CA	X	0.0114	-0.0060	-0.0049	0.0053	-0.0088	-0.0024
	Y	0.0072	-0.0062	0.0018	0.0044	0.0077	0.0031
	Z	-0.0081	0.0066	0.0025	-0.0062	0.0094	-0.0088
AT. 39 CA	X	0.0114	0.0060	-0.0049	-0.0053	0.0088	0.0024
	Y	-0.0072	-0.0062	-0.0018	0.0044	0.0077	0.0031
	Z	-0.0081	-0.0066	0.0025	0.0062	-0.0094	0.0088

AT.	40	CA	X	0.0114	0.0060	-0.0049	0.0053	0.0088	-0.0024
			Y	-0.0072	-0.0062	-0.0018	-0.0044	0.0077	-0.0031
			Z	0.0081	0.0066	-0.0025	0.0062	0.0094	0.0088
AT.	41	CA	X	-0.0044	-0.0242	-0.0081	0.0191	0.0002	-0.0082
			Y	-0.0112	-0.0081	-0.0027	0.0099	-0.0159	-0.0075
			Z	-0.0077	0.0005	-0.0019	-0.0022	0.0028	0.0003
AT.	42	CA	X	-0.0044	-0.0242	-0.0081	-0.0191	0.0002	0.0082
			Y	-0.0112	-0.0081	-0.0027	-0.0099	-0.0159	0.0075
			Z	0.0077	-0.0005	0.0019	-0.0022	-0.0028	0.0003
AT.	43	CA	X	-0.0044	0.0242	-0.0081	0.0191	-0.0002	-0.0082
			Y	0.0112	-0.0081	0.0027	-0.0099	-0.0159	0.0075
			Z	0.0077	0.0005	0.0019	0.0022	0.0028	-0.0003
AT.	44	CA	X	-0.0044	0.0242	-0.0081	-0.0191	-0.0002	0.0082
			Y	0.0112	-0.0081	0.0027	0.0099	-0.0159	-0.0075
			Z	-0.0077	-0.0005	-0.0019	0.0022	-0.0028	-0.0003
AT.	45	CA	X	-0.0044	0.0242	-0.0081	0.0191	0.0002	0.0082
			Y	-0.0112	0.0081	-0.0027	0.0099	-0.0159	0.0075
			Z	-0.0077	-0.0005	-0.0019	-0.0022	0.0028	-0.0003
AT.	46	CA	X	-0.0044	0.0242	-0.0081	-0.0191	0.0002	-0.0082
			Y	-0.0112	0.0081	-0.0027	-0.0099	-0.0159	-0.0075
			Z	0.0077	0.0005	0.0019	-0.0022	-0.0028	-0.0003
AT.	47	CA	X	-0.0044	-0.0242	-0.0081	0.0191	-0.0002	0.0082
			Y	0.0112	0.0081	0.0027	-0.0099	-0.0159	-0.0075
			Z	0.0077	-0.0005	0.0019	0.0022	0.0028	0.0003
AT.	48	CA	X	-0.0044	-0.0242	-0.0081	-0.0191	-0.0002	-0.0082
			Y	0.0112	0.0081	0.0027	0.0099	-0.0159	0.0075
			Z	-0.0077	0.0005	-0.0019	0.0022	-0.0028	0.0003
AT.	49	CA	X	-0.0008	0.0000	0.0015	0.0000	0.0000	0.0000
			Y	0.0000	-0.0011	0.0000	-0.0113	-0.0226	0.0197
			Z	-0.0053	0.0000	-0.0043	0.0000	0.0000	0.0000
AT.	50	CA	X	-0.0008	0.0000	0.0015	0.0000	0.0000	0.0000
			Y	0.0000	-0.0011	0.0000	0.0113	-0.0226	-0.0197
			Z	0.0053	0.0000	0.0043	0.0000	0.0000	0.0000
AT.	51	CA	X	-0.0008	0.0000	0.0015	0.0000	0.0000	0.0000
			Y	0.0000	0.0011	0.0000	-0.0113	-0.0226	-0.0197
			Z	-0.0053	0.0000	-0.0043	0.0000	0.0000	0.0000
AT.	52	CA	X	-0.0008	0.0000	0.0015	0.0000	0.0000	0.0000
			Y	0.0000	0.0011	0.0000	0.0113	-0.0226	0.0197
			Z	0.0053	0.0000	0.0043	0.0000	0.0000	0.0000
AT.	53	O	X	-0.0075	-0.0028	-0.0084	0.0065	0.0072	0.0045
			Y	-0.0083	-0.0070	-0.0025	0.0070	-0.0041	0.0043
			Z	-0.0030	-0.0078	0.0125	-0.0021	0.0055	0.0051
AT.	54	O	X	-0.0075	-0.0028	-0.0084	-0.0065	0.0072	-0.0045
			Y	-0.0083	-0.0070	-0.0025	-0.0070	-0.0041	-0.0043
			Z	0.0030	0.0078	-0.0125	-0.0021	-0.0055	0.0051
AT.	55	O	X	-0.0075	0.0028	-0.0084	0.0065	-0.0072	0.0045
			Y	0.0083	-0.0070	0.0025	-0.0070	-0.0041	-0.0043
			Z	0.0030	-0.0078	-0.0125	0.0021	0.0055	-0.0051
AT.	56	O	X	-0.0075	0.0028	-0.0084	-0.0065	-0.0072	-0.0045
			Y	0.0083	-0.0070	0.0025	0.0070	-0.0041	0.0043
			Z	-0.0030	0.0078	0.0125	0.0021	-0.0055	-0.0051
AT.	57	O	X	-0.0075	0.0028	-0.0084	0.0065	0.0072	-0.0045
			Y	-0.0083	0.0070	-0.0025	0.0070	-0.0041	-0.0043
			Z	-0.0030	0.0078	0.0125	-0.0021	0.0055	-0.0051
AT.	58	O	X	-0.0075	0.0028	-0.0084	-0.0065	0.0072	0.0045
			Y	-0.0083	0.0070	-0.0025	-0.0070	-0.0041	0.0043
			Z	0.0030	-0.0078	-0.0125	-0.0021	-0.0055	-0.0051
AT.	59	O	X	-0.0075	-0.0028	-0.0084	0.0065	-0.0072	-0.0045
			Y	0.0083	0.0070	0.0025	-0.0070	-0.0041	0.0043
			Z	0.0030	0.0078	-0.0125	0.0021	0.0055	0.0051
AT.	60	O	X	-0.0075	-0.0028	-0.0084	-0.0065	-0.0072	0.0045

	Y	0.0083	0.0070	0.0025	0.0070	-0.0041	-0.0043
	Z	-0.0030	-0.0078	0.0125	0.0021	-0.0055	0.0051
AT. 61 O	X	-0.0069	-0.0093	-0.0007	0.0006	-0.0011	-0.0066
	Y	-0.0136	-0.0107	0.0114	0.0032	0.0034	0.0065
	Z	0.0038	-0.0001	-0.0060	0.0015	-0.0054	-0.0060
AT. 62 O	X	-0.0069	-0.0093	-0.0007	-0.0006	-0.0011	0.0066
	Y	-0.0136	-0.0107	0.0114	-0.0032	0.0034	-0.0065
	Z	-0.0038	0.0001	0.0060	0.0015	0.0054	-0.0060
AT. 63 O	X	-0.0069	0.0093	-0.0007	0.0006	0.0011	-0.0066
	Y	0.0136	-0.0107	-0.0114	-0.0032	0.0034	-0.0065
	Z	-0.0038	-0.0001	0.0060	-0.0015	-0.0054	0.0060
AT. 64 O	X	-0.0069	0.0093	-0.0007	-0.0006	0.0011	0.0066
	Y	0.0136	-0.0107	-0.0114	0.0032	0.0034	0.0065
	Z	0.0038	0.0001	-0.0060	-0.0015	0.0054	0.0060
AT. 65 O	X	-0.0069	0.0093	-0.0007	0.0006	-0.0011	0.0066
	Y	-0.0136	0.0107	0.0114	0.0032	0.0034	-0.0065
	Z	0.0038	0.0001	-0.0060	0.0015	-0.0054	0.0060
AT. 66 O	X	-0.0069	0.0093	-0.0007	-0.0006	-0.0011	-0.0066
	Y	-0.0136	0.0107	0.0114	-0.0032	0.0034	0.0065
	Z	-0.0038	-0.0001	0.0060	0.0015	0.0054	0.0060
AT. 67 O	X	-0.0069	-0.0093	-0.0007	0.0006	0.0011	0.0066
	Y	0.0136	0.0107	-0.0114	-0.0032	0.0034	0.0065
	Z	-0.0038	0.0001	0.0060	-0.0015	-0.0054	-0.0060
AT. 68 O	X	-0.0069	-0.0093	-0.0007	-0.0006	0.0011	-0.0066
	Y	0.0136	0.0107	-0.0114	0.0032	0.0034	-0.0065
	Z	0.0038	-0.0001	-0.0060	-0.0015	0.0054	-0.0060
AT. 69 O	X	0.0047	-0.0026	0.0104	-0.0082	0.0068	-0.0077
	Y	0.0017	0.0035	-0.0121	0.0059	-0.0142	-0.0049
	Z	0.0095	0.0026	-0.0026	-0.0030	-0.0049	-0.0095
AT. 70 O	X	0.0047	-0.0026	0.0104	0.0082	0.0068	0.0077
	Y	0.0017	0.0035	-0.0121	-0.0059	-0.0142	0.0049
	Z	-0.0095	-0.0026	0.0026	-0.0030	0.0049	-0.0095
AT. 71 O	X	0.0047	0.0026	0.0104	-0.0082	-0.0068	-0.0077
	Y	-0.0017	0.0035	0.0121	-0.0059	-0.0142	0.0049
	Z	-0.0095	0.0026	0.0026	0.0030	-0.0049	0.0095
AT. 72 O	X	0.0047	0.0026	0.0104	0.0082	-0.0068	0.0077
	Y	-0.0017	0.0035	0.0121	0.0059	-0.0142	-0.0049
	Z	0.0095	-0.0026	-0.0026	0.0030	0.0049	0.0095
AT. 73 O	X	0.0047	0.0026	0.0104	-0.0082	0.0068	0.0077
	Y	0.0017	-0.0035	-0.0121	0.0059	-0.0142	0.0049
	Z	0.0095	-0.0026	-0.0026	-0.0030	-0.0049	0.0095
AT. 74 O	X	0.0047	0.0026	0.0104	0.0082	0.0068	-0.0077
	Y	0.0017	-0.0035	-0.0121	-0.0059	-0.0142	-0.0049
	Z	-0.0095	0.0026	0.0026	-0.0030	0.0049	0.0095
AT. 75 O	X	0.0047	-0.0026	0.0104	-0.0082	-0.0068	0.0077
	Y	-0.0017	-0.0035	0.0121	-0.0059	-0.0142	-0.0049
	Z	-0.0095	-0.0026	0.0026	0.0030	-0.0049	-0.0095
AT. 76 O	X	0.0047	-0.0026	0.0104	0.0082	-0.0068	-0.0077
	Y	-0.0017	-0.0035	0.0121	0.0059	-0.0142	0.0049
	Z	0.0095	0.0026	-0.0026	0.0030	0.0049	-0.0095
AT. 77 O	X	-0.0013	-0.0052	-0.0015	-0.0007	0.0027	-0.0024
	Y	-0.0069	-0.0045	-0.0171	0.0132	0.0044	0.0240
	Z	0.0066	0.0053	0.0136	-0.0054	0.0087	-0.0038
AT. 78 O	X	-0.0013	-0.0052	-0.0015	0.0007	0.0027	0.0024
	Y	-0.0069	-0.0045	-0.0171	-0.0132	0.0044	-0.0240
	Z	-0.0066	-0.0053	-0.0136	-0.0054	-0.0087	-0.0038
AT. 79 O	X	-0.0013	0.0052	-0.0015	-0.0007	-0.0027	-0.0024
	Y	0.0069	-0.0045	0.0171	-0.0132	0.0044	-0.0240
	Z	-0.0066	0.0053	-0.0136	0.0054	0.0087	0.0038
AT. 80 O	X	-0.0013	0.0052	-0.0015	0.0007	-0.0027	0.0024
	Y	0.0069	-0.0045	0.0171	0.0132	0.0044	0.0240

		Z	0.0066	-0.0053	0.0136	0.0054	-0.0087	0.0038
AT.	81 O	X	-0.0013	0.0052	-0.0015	-0.0007	0.0027	0.0024
		Y	-0.0069	0.0045	-0.0171	0.0132	0.0044	-0.0240
		Z	0.0066	-0.0053	0.0136	-0.0054	0.0087	0.0038
AT.	82 O	X	-0.0013	0.0052	-0.0015	0.0007	0.0027	-0.0024
		Y	-0.0069	0.0045	-0.0171	-0.0132	0.0044	0.0240
		Z	-0.0066	0.0053	-0.0136	-0.0054	-0.0087	0.0038
AT.	83 O	X	-0.0013	-0.0052	-0.0015	-0.0007	-0.0027	0.0024
		Y	0.0069	0.0045	0.0171	-0.0132	0.0044	0.0240
		Z	-0.0066	-0.0053	-0.0136	0.0054	0.0087	-0.0038
AT.	84 O	X	-0.0013	-0.0052	-0.0015	0.0007	-0.0027	-0.0024
		Y	0.0069	0.0045	0.0171	0.0132	0.0044	-0.0240
		Z	0.0066	0.0053	0.0136	0.0054	-0.0087	-0.0038
AT.	85 O	X	-0.0057	0.0123	0.0238	-0.0119	0.0022	-0.0038
		Y	-0.0057	-0.0044	-0.0014	0.0052	0.0036	-0.0057
		Z	-0.0058	-0.0028	0.0073	-0.0008	-0.0003	0.0033
AT.	86 O	X	-0.0057	0.0123	0.0238	0.0119	0.0022	0.0038
		Y	-0.0057	-0.0044	-0.0014	-0.0052	0.0036	0.0057
		Z	0.0058	0.0028	-0.0073	-0.0008	0.0003	0.0033
AT.	87 O	X	-0.0057	-0.0123	0.0238	-0.0119	-0.0022	-0.0038
		Y	0.0057	-0.0044	0.0014	-0.0052	0.0036	0.0057
		Z	0.0058	-0.0028	-0.0073	0.0008	-0.0003	-0.0033
AT.	88 O	X	-0.0057	-0.0123	0.0238	0.0119	-0.0022	0.0038
		Y	0.0057	-0.0044	0.0014	0.0052	0.0036	-0.0057
		Z	-0.0058	0.0028	0.0073	0.0008	0.0003	-0.0033
AT.	89 O	X	-0.0057	-0.0123	0.0238	-0.0119	0.0022	0.0038
		Y	-0.0057	0.0044	-0.0014	0.0052	0.0036	0.0057
		Z	-0.0058	0.0028	0.0073	-0.0008	-0.0003	-0.0033
AT.	90 O	X	-0.0057	-0.0123	0.0238	0.0119	0.0022	-0.0038
		Y	-0.0057	0.0044	-0.0014	-0.0052	0.0036	-0.0057
		Z	0.0058	-0.0028	-0.0073	-0.0008	0.0003	-0.0033
AT.	91 O	X	-0.0057	0.0123	0.0238	-0.0119	-0.0022	0.0038
		Y	0.0057	0.0044	0.0014	-0.0052	0.0036	-0.0057
		Z	0.0058	0.0028	-0.0073	0.0008	-0.0003	0.0033
AT.	92 O	X	-0.0057	0.0123	0.0238	0.0119	-0.0022	-0.0038
		Y	0.0057	0.0044	0.0014	0.0052	0.0036	0.0057
		Z	-0.0058	-0.0028	0.0073	0.0008	0.0003	0.0033
AT.	93 O	X	0.0010	0.0044	0.0041	0.0011	0.0092	0.0018
		Y	-0.0040	-0.0075	0.0028	0.0028	0.0049	-0.0041
		Z	-0.0088	0.0042	0.0026	0.0019	-0.0025	0.0053
AT.	94 O	X	0.0010	0.0044	0.0041	-0.0011	0.0092	-0.0018
		Y	-0.0040	-0.0075	0.0028	-0.0028	0.0049	0.0041
		Z	0.0088	-0.0042	-0.0026	0.0019	0.0025	0.0053
AT.	95 O	X	0.0010	-0.0044	0.0041	0.0011	-0.0092	0.0018
		Y	0.0040	-0.0075	-0.0028	-0.0028	0.0049	0.0041
		Z	0.0088	0.0042	-0.0026	-0.0019	-0.0025	-0.0053
AT.	96 O	X	0.0010	-0.0044	0.0041	-0.0011	-0.0092	-0.0018
		Y	0.0040	-0.0075	-0.0028	0.0028	0.0049	-0.0041
		Z	-0.0088	-0.0042	0.0026	-0.0019	0.0025	-0.0053
AT.	97 O	X	0.0010	-0.0044	0.0041	0.0011	0.0092	-0.0018
		Y	-0.0040	0.0075	0.0028	0.0028	0.0049	0.0041
		Z	-0.0088	-0.0042	0.0026	0.0019	-0.0025	-0.0053
AT.	98 O	X	0.0010	-0.0044	0.0041	-0.0011	0.0092	0.0018
		Y	-0.0040	0.0075	0.0028	-0.0028	0.0049	-0.0041
		Z	0.0088	0.0042	-0.0026	0.0019	0.0025	-0.0053
AT.	99 O	X	0.0010	0.0044	0.0041	0.0011	-0.0092	-0.0018
		Y	0.0040	0.0075	-0.0028	-0.0028	0.0049	-0.0041
		Z	0.0088	-0.0042	-0.0026	-0.0019	-0.0025	0.0053
AT.	100 O	X	0.0010	0.0044	0.0041	-0.0011	-0.0092	0.0018
		Y	0.0040	0.0075	-0.0028	0.0028	0.0049	0.0041
		Z	-0.0088	0.0042	0.0026	-0.0019	0.0025	0.0053

AT. 101 O	X	0.0031	0.0024	-0.0061	0.0004	0.0022	0.0006
	Y	-0.0047	-0.0061	0.0091	-0.0008	0.0089	-0.0069
	Z	-0.0100	0.0006	0.0120	-0.0028	0.0024	-0.0025
AT. 102 O	X	0.0031	0.0024	-0.0061	-0.0004	0.0022	-0.0006
	Y	-0.0047	-0.0061	0.0091	0.0008	0.0089	0.0069
	Z	0.0100	-0.0006	-0.0120	-0.0028	-0.0024	-0.0025
AT. 103 O	X	0.0031	-0.0024	-0.0061	0.0004	-0.0022	0.0006
	Y	0.0047	-0.0061	-0.0091	0.0008	0.0089	0.0069
	Z	0.0100	0.0006	-0.0120	0.0028	0.0024	0.0025
AT. 104 O	X	0.0031	-0.0024	-0.0061	-0.0004	-0.0022	-0.0006
	Y	0.0047	-0.0061	-0.0091	-0.0008	0.0089	-0.0069
	Z	-0.0100	-0.0006	0.0120	0.0028	-0.0024	0.0025
AT. 105 O	X	0.0031	-0.0024	-0.0061	0.0004	0.0022	-0.0006
	Y	-0.0047	0.0061	0.0091	-0.0008	0.0089	0.0069
	Z	-0.0100	-0.0006	0.0120	-0.0028	0.0024	0.0025
AT. 106 O	X	0.0031	-0.0024	-0.0061	-0.0004	0.0022	0.0006
	Y	-0.0047	0.0061	0.0091	0.0008	0.0089	-0.0069
	Z	0.0100	0.0006	-0.0120	-0.0028	-0.0024	0.0025
AT. 107 O	X	0.0031	0.0024	-0.0061	0.0004	-0.0022	-0.0006
	Y	0.0047	0.0061	-0.0091	0.0008	0.0089	-0.0069
	Z	0.0100	-0.0006	-0.0120	0.0028	0.0024	-0.0025
AT. 108 O	X	0.0031	0.0024	-0.0061	-0.0004	-0.0022	0.0006
	Y	0.0047	0.0061	-0.0091	-0.0008	0.0089	0.0069
	Z	-0.0100	0.0006	0.0120	0.0028	-0.0024	-0.0025
AT. 109 O	X	0.0003	0.0075	0.0098	-0.0047	0.0029	-0.0004
	Y	0.0044	-0.0060	-0.0031	0.0034	0.0178	0.0045
	Z	0.0057	-0.0156	-0.0230	0.0178	-0.0001	0.0108
AT. 110 O	X	0.0003	0.0075	0.0098	0.0047	0.0029	0.0004
	Y	0.0044	-0.0060	-0.0031	-0.0034	0.0178	-0.0045
	Z	-0.0057	0.0156	0.0230	0.0178	0.0001	0.0108
AT. 111 O	X	0.0003	-0.0075	0.0098	-0.0047	-0.0029	-0.0004
	Y	-0.0044	-0.0060	0.0031	-0.0034	0.0178	-0.0045
	Z	-0.0057	-0.0156	0.0230	-0.0178	-0.0001	-0.0108
AT. 112 O	X	0.0003	-0.0075	0.0098	0.0047	-0.0029	0.0004
	Y	-0.0044	-0.0060	0.0031	0.0034	0.0178	0.0045
	Z	0.0057	0.0156	-0.0230	-0.0178	0.0001	-0.0108
AT. 113 O	X	0.0003	-0.0075	0.0098	-0.0047	0.0029	0.0004
	Y	0.0044	0.0060	-0.0031	0.0034	0.0178	-0.0045
	Z	0.0057	0.0156	-0.0230	0.0178	-0.0001	-0.0108
AT. 114 O	X	0.0003	-0.0075	0.0098	0.0047	0.0029	-0.0004
	Y	0.0044	0.0060	-0.0031	-0.0034	0.0178	0.0045
	Z	-0.0057	-0.0156	0.0230	0.0178	0.0001	-0.0108
AT. 115 O	X	0.0003	0.0075	0.0098	-0.0047	-0.0029	0.0004
	Y	-0.0044	0.0060	0.0031	-0.0034	0.0178	0.0045
	Z	-0.0057	0.0156	0.0230	-0.0178	-0.0001	0.0108
AT. 116 O	X	0.0003	0.0075	0.0098	0.0047	-0.0029	-0.0004
	Y	-0.0044	0.0060	0.0031	0.0034	0.0178	-0.0045
	Z	0.0057	-0.0156	-0.0230	-0.0178	0.0001	0.0108
AT. 117 O	X	-0.0013	0.0042	-0.0015	-0.0017	0.0077	-0.0124
	Y	-0.0012	0.0016	0.0038	-0.0018	0.0062	-0.0009
	Z	-0.0041	-0.0117	-0.0013	0.0085	-0.0065	0.0143
AT. 118 O	X	-0.0013	0.0042	-0.0015	0.0017	0.0077	0.0124
	Y	-0.0012	0.0016	0.0038	0.0018	0.0062	0.0009
	Z	0.0041	0.0117	0.0013	0.0085	0.0065	0.0143
AT. 119 O	X	-0.0013	-0.0042	-0.0015	-0.0017	-0.0077	-0.0124
	Y	0.0012	0.0016	-0.0038	0.0018	0.0062	0.0009
	Z	0.0041	-0.0117	0.0013	-0.0085	-0.0065	-0.0143
AT. 120 O	X	-0.0013	-0.0042	-0.0015	0.0017	-0.0077	0.0124
	Y	0.0012	0.0016	-0.0038	-0.0018	0.0062	-0.0009
	Z	-0.0041	0.0117	-0.0013	-0.0085	0.0065	-0.0143
AT. 121 O	X	-0.0013	-0.0042	-0.0015	-0.0017	0.0077	0.0124

	Y	-0.0012	-0.0016	0.0038	-0.0018	0.0062	0.0009
	Z	-0.0041	0.0117	-0.0013	0.0085	-0.0065	-0.0143
AT. 122 O	X	-0.0013	-0.0042	-0.0015	0.0017	0.0077	-0.0124
	Y	-0.0012	-0.0016	0.0038	0.0018	0.0062	-0.0009
	Z	0.0041	-0.0117	0.0013	0.0085	0.0065	-0.0143
AT. 123 O	X	-0.0013	0.0042	-0.0015	-0.0017	-0.0077	0.0124
	Y	0.0012	-0.0016	-0.0038	0.0018	0.0062	-0.0009
	Z	0.0041	0.0117	0.0013	-0.0085	-0.0065	0.0143
AT. 124 O	X	-0.0013	0.0042	-0.0015	0.0017	-0.0077	-0.0124
	Y	0.0012	-0.0016	-0.0038	-0.0018	0.0062	0.0009
	Z	-0.0041	-0.0117	-0.0013	-0.0085	0.0065	0.0143

FREQ(CM**-1)	260.69	260.96	262.06	262.19	264.20	265.79
AT. 1 SI X	-0.0039	0.0100	-0.0049	0.0022	-0.0001	-0.0095
Y	0.0017	0.0035	-0.0082	-0.0044	-0.0010	0.0023
Z	-0.0021	-0.0002	-0.0173	0.0024	0.0023	0.0033
AT. 2 SI X	0.0039	-0.0100	-0.0049	-0.0022	-0.0001	-0.0095
Y	-0.0017	-0.0035	-0.0082	0.0044	-0.0010	0.0023
Z	-0.0021	-0.0002	0.0173	0.0024	-0.0023	-0.0033
AT. 3 SI X	-0.0039	-0.0100	0.0049	-0.0022	0.0001	-0.0095
Y	-0.0017	0.0035	-0.0082	-0.0044	-0.0010	-0.0023
Z	0.0021	-0.0002	-0.0173	0.0024	0.0023	-0.0033
AT. 4 SI X	0.0039	0.0100	0.0049	0.0022	0.0001	-0.0095
Y	0.0017	-0.0035	-0.0082	0.0044	-0.0010	-0.0023
Z	0.0021	-0.0002	0.0173	0.0024	-0.0023	0.0033
AT. 5 SI X	0.0039	-0.0100	0.0049	0.0022	-0.0001	0.0095
Y	-0.0017	-0.0035	0.0082	-0.0044	-0.0010	-0.0023
Z	0.0021	0.0002	0.0173	0.0024	0.0023	-0.0033
AT. 6 SI X	-0.0039	0.0100	0.0049	-0.0022	-0.0001	0.0095
Y	0.0017	0.0035	0.0082	0.0044	-0.0010	-0.0023
Z	0.0021	0.0002	-0.0173	0.0024	-0.0023	0.0033
AT. 7 SI X	0.0039	0.0100	-0.0049	-0.0022	0.0001	0.0095
Y	0.0017	-0.0035	0.0082	-0.0044	-0.0010	0.0023
Z	-0.0021	0.0002	0.0173	0.0024	0.0023	0.0033
AT. 8 SI X	-0.0039	-0.0100	-0.0049	0.0022	0.0001	0.0095
Y	-0.0017	0.0035	0.0082	0.0044	-0.0010	0.0023
Z	-0.0021	0.0002	-0.0173	0.0024	-0.0023	-0.0033
AT. 9 SI X	0.0019	-0.0113	-0.0032	0.0045	-0.0005	0.0064
Y	0.0048	-0.0005	-0.0074	0.0052	-0.0010	-0.0013
Z	0.0029	0.0012	-0.0025	-0.0012	-0.0047	-0.0027
AT. 10 SI X	-0.0019	0.0113	-0.0032	-0.0045	-0.0005	0.0064
Y	-0.0048	0.0005	-0.0074	-0.0052	-0.0010	-0.0013
Z	0.0029	0.0012	0.0025	-0.0012	0.0047	0.0027
AT. 11 SI X	0.0019	0.0113	0.0032	-0.0045	0.0005	0.0064
Y	-0.0048	-0.0005	-0.0074	0.0052	-0.0010	0.0013
Z	-0.0029	0.0012	-0.0025	-0.0012	-0.0047	0.0027
AT. 12 SI X	-0.0019	-0.0113	0.0032	0.0045	0.0005	0.0064
Y	0.0048	0.0005	-0.0074	-0.0052	-0.0010	0.0013
Z	-0.0029	0.0012	0.0025	-0.0012	0.0047	-0.0027
AT. 13 SI X	-0.0019	0.0113	0.0032	0.0045	-0.0005	-0.0064
Y	-0.0048	0.0005	0.0074	0.0052	-0.0010	0.0013
Z	-0.0029	-0.0012	0.0025	-0.0012	-0.0047	0.0027
AT. 14 SI X	0.0019	-0.0113	0.0032	-0.0045	-0.0005	-0.0064
Y	0.0048	-0.0005	0.0074	-0.0052	-0.0010	0.0013
Z	-0.0029	-0.0012	-0.0025	-0.0012	0.0047	-0.0027
AT. 15 SI X	-0.0019	-0.0113	-0.0032	-0.0045	0.0005	-0.0064
Y	0.0048	0.0005	0.0074	0.0052	-0.0010	-0.0013
Z	0.0029	-0.0012	0.0025	-0.0012	-0.0047	-0.0027
AT. 16 SI X	0.0019	0.0113	-0.0032	0.0045	0.0005	-0.0064
Y	-0.0048	-0.0005	0.0074	-0.0052	-0.0010	-0.0013

	Z	0.0029	-0.0012	-0.0025	-0.0012	0.0047	0.0027
AT. 17 SI	X	0.0000	0.0060	0.0000	0.0004	0.0000	-0.0016
	Y	0.0054	0.0000	-0.0048	0.0000	-0.0051	0.0000
	Z	0.0000	-0.0079	0.0000	0.0006	0.0000	0.0005
AT. 18 SI	X	0.0000	-0.0060	0.0000	-0.0004	0.0000	-0.0016
	Y	-0.0054	0.0000	-0.0048	0.0000	-0.0051	0.0000
	Z	0.0000	-0.0079	0.0000	0.0006	0.0000	-0.0005
AT. 19 SI	X	0.0000	-0.0060	0.0000	0.0004	0.0000	0.0016
	Y	-0.0054	0.0000	0.0048	0.0000	-0.0051	0.0000
	Z	0.0000	0.0079	0.0000	0.0006	0.0000	-0.0005
AT. 20 SI	X	0.0000	0.0060	0.0000	-0.0004	0.0000	0.0016
	Y	0.0054	0.0000	0.0048	0.0000	-0.0051	0.0000
	Z	0.0000	0.0079	0.0000	0.0006	0.0000	0.0005
AT. 21 CA	X	-0.0056	-0.0021	0.0034	0.0021	0.0060	-0.0125
	Y	-0.0003	0.0008	0.0075	0.0000	0.0062	-0.0152
	Z	0.0060	0.0069	-0.0080	-0.0058	-0.0027	0.0015
AT. 22 CA	X	0.0056	0.0021	0.0034	-0.0021	0.0060	-0.0125
	Y	0.0003	-0.0008	0.0075	0.0000	0.0062	-0.0152
	Z	0.0060	0.0069	0.0080	-0.0058	0.0027	-0.0015
AT. 23 CA	X	-0.0056	0.0021	-0.0034	-0.0021	-0.0060	-0.0125
	Y	0.0003	0.0008	0.0075	0.0000	0.0062	0.0152
	Z	-0.0060	0.0069	-0.0080	-0.0058	-0.0027	-0.0015
AT. 24 CA	X	0.0056	-0.0021	-0.0034	0.0021	-0.0060	-0.0125
	Y	-0.0003	-0.0008	0.0075	0.0000	0.0062	0.0152
	Z	-0.0060	0.0069	0.0080	-0.0058	0.0027	0.0015
AT. 25 CA	X	0.0056	0.0021	-0.0034	0.0021	0.0060	0.0125
	Y	0.0003	-0.0008	-0.0075	0.0000	0.0062	0.0152
	Z	-0.0060	-0.0069	0.0080	-0.0058	-0.0027	-0.0015
AT. 26 CA	X	-0.0056	-0.0021	-0.0034	-0.0021	0.0060	0.0125
	Y	-0.0003	0.0008	-0.0075	0.0000	0.0062	0.0152
	Z	-0.0060	-0.0069	-0.0080	-0.0058	0.0027	0.0015
AT. 27 CA	X	0.0056	-0.0021	0.0034	-0.0021	-0.0060	0.0125
	Y	-0.0003	-0.0008	-0.0075	0.0000	0.0062	-0.0152
	Z	0.0060	-0.0069	0.0080	-0.0058	-0.0027	0.0015
AT. 28 CA	X	-0.0056	0.0021	0.0034	0.0021	-0.0060	0.0125
	Y	0.0003	0.0008	-0.0075	0.0000	0.0062	-0.0152
	Z	0.0060	-0.0069	-0.0080	-0.0058	0.0027	-0.0015
AT. 29 CA	X	0.0000	0.0000	0.0000	-0.0058	-0.0056	0.0000
	Y	0.0000	0.0000	0.0000	0.0114	0.0044	0.0000
	Z	0.0000	0.0000	0.0000	0.0113	0.0047	0.0000
AT. 30 CA	X	0.0000	0.0000	0.0000	0.0058	-0.0056	0.0000
	Y	0.0000	0.0000	0.0000	-0.0114	0.0044	0.0000
	Z	0.0000	0.0000	0.0000	0.0113	-0.0047	0.0000
AT. 31 CA	X	0.0000	0.0000	0.0000	0.0058	0.0056	0.0000
	Y	0.0000	0.0000	0.0000	0.0114	0.0044	0.0000
	Z	0.0000	0.0000	0.0000	0.0113	0.0047	0.0000
AT. 32 CA	X	0.0000	0.0000	0.0000	-0.0058	0.0056	0.0000
	Y	0.0000	0.0000	0.0000	-0.0114	0.0044	0.0000
	Z	0.0000	0.0000	0.0000	0.0113	-0.0047	0.0000
AT. 33 CA	X	0.0031	0.0009	0.0009	-0.0120	-0.0004	-0.0020
	Y	0.0066	-0.0059	0.0085	0.0089	-0.0063	-0.0016
	Z	0.0050	-0.0015	0.0047	-0.0101	-0.0102	0.0008
AT. 34 CA	X	-0.0031	-0.0009	0.0009	0.0120	-0.0004	-0.0020
	Y	-0.0066	0.0059	0.0085	-0.0089	-0.0063	-0.0016
	Z	0.0050	-0.0015	-0.0047	-0.0101	0.0102	-0.0008
AT. 35 CA	X	0.0031	-0.0009	-0.0009	0.0120	0.0004	-0.0020
	Y	-0.0066	-0.0059	0.0085	0.0089	-0.0063	0.0016
	Z	-0.0050	-0.0015	0.0047	-0.0101	-0.0102	-0.0008
AT. 36 CA	X	-0.0031	0.0009	-0.0009	-0.0120	0.0004	-0.0020
	Y	0.0066	0.0059	0.0085	-0.0089	-0.0063	0.0016
	Z	-0.0050	-0.0015	-0.0047	-0.0101	0.0102	0.0008

AT.	37	CA	X	-0.0031	-0.0009	-0.0009	-0.0120	-0.0004	0.0020
			Y	-0.0066	0.0059	-0.0085	0.0089	-0.0063	0.0016
			Z	-0.0050	0.0015	-0.0047	-0.0101	-0.0102	-0.0008
AT.	38	CA	X	0.0031	0.0009	-0.0009	0.0120	-0.0004	0.0020
			Y	0.0066	-0.0059	-0.0085	-0.0089	-0.0063	0.0016
			Z	-0.0050	0.0015	0.0047	-0.0101	0.0102	0.0008
AT.	39	CA	X	-0.0031	0.0009	0.0009	0.0120	0.0004	0.0020
			Y	0.0066	0.0059	-0.0085	0.0089	-0.0063	-0.0016
			Z	0.0050	0.0015	-0.0047	-0.0101	-0.0102	0.0008
AT.	40	CA	X	0.0031	-0.0009	0.0009	-0.0120	0.0004	0.0020
			Y	-0.0066	-0.0059	-0.0085	-0.0089	-0.0063	-0.0016
			Z	0.0050	0.0015	0.0047	-0.0101	0.0102	-0.0008
AT.	41	CA	X	-0.0059	0.0089	0.0055	0.0050	0.0111	0.0072
			Y	-0.0085	-0.0021	0.0045	-0.0138	0.0126	0.0049
			Z	-0.0071	0.0008	-0.0012	0.0023	0.0097	0.0051
AT.	42	CA	X	0.0059	-0.0089	0.0055	-0.0050	0.0111	0.0072
			Y	0.0085	0.0021	0.0045	0.0138	0.0126	0.0049
			Z	-0.0071	0.0008	0.0012	0.0023	-0.0097	-0.0051
AT.	43	CA	X	-0.0059	-0.0089	-0.0055	-0.0050	-0.0111	0.0072
			Y	0.0085	-0.0021	0.0045	-0.0138	0.0126	-0.0049
			Z	0.0071	0.0008	-0.0012	0.0023	0.0097	-0.0051
AT.	44	CA	X	0.0059	0.0089	-0.0055	0.0050	-0.0111	0.0072
			Y	-0.0085	0.0021	0.0045	0.0138	0.0126	-0.0049
			Z	0.0071	0.0008	0.0012	0.0023	-0.0097	0.0051
AT.	45	CA	X	0.0059	-0.0089	-0.0055	0.0050	0.0111	-0.0072
			Y	0.0085	0.0021	-0.0045	-0.0138	0.0126	-0.0049
			Z	0.0071	-0.0008	0.0012	0.0023	0.0097	-0.0051
AT.	46	CA	X	-0.0059	0.0089	-0.0055	-0.0050	0.0111	-0.0072
			Y	-0.0085	-0.0021	-0.0045	0.0138	0.0126	-0.0049
			Z	0.0071	-0.0008	-0.0012	0.0023	-0.0097	0.0051
AT.	47	CA	X	0.0059	0.0089	0.0055	-0.0050	-0.0111	-0.0072
			Y	-0.0085	0.0021	-0.0045	-0.0138	0.0126	0.0049
			Z	-0.0071	-0.0008	0.0012	0.0023	0.0097	0.0051
AT.	48	CA	X	-0.0059	-0.0089	0.0055	0.0050	-0.0111	-0.0072
			Y	0.0085	-0.0021	-0.0045	0.0138	0.0126	0.0049
			Z	-0.0071	-0.0008	-0.0012	0.0023	-0.0097	-0.0051
AT.	49	CA	X	0.0000	-0.0010	0.0000	-0.0024	0.0000	-0.0018
			Y	-0.0173	0.0000	-0.0032	0.0000	0.0003	0.0000
			Z	0.0000	0.0042	0.0000	0.0101	0.0000	0.0003
AT.	50	CA	X	0.0000	0.0010	0.0000	0.0024	0.0000	-0.0018
			Y	0.0173	0.0000	-0.0032	0.0000	0.0003	0.0000
			Z	0.0000	0.0042	0.0000	0.0101	0.0000	-0.0003
AT.	51	CA	X	0.0000	0.0010	0.0000	-0.0024	0.0000	0.0018
			Y	0.0173	0.0000	0.0032	0.0000	0.0003	0.0000
			Z	0.0000	-0.0042	0.0000	0.0101	0.0000	-0.0003
AT.	52	CA	X	0.0000	-0.0010	0.0000	0.0024	0.0000	0.0018
			Y	-0.0173	0.0000	0.0032	0.0000	0.0003	0.0000
			Z	0.0000	-0.0042	0.0000	0.0101	0.0000	0.0003
AT.	53	O	X	-0.0019	0.0077	-0.0080	0.0076	-0.0032	-0.0033
			Y	0.0001	0.0037	-0.0045	-0.0053	-0.0006	0.0002
			Z	-0.0187	0.0036	-0.0104	0.0055	0.0113	0.0195
AT.	54	O	X	0.0019	-0.0077	-0.0080	-0.0076	-0.0032	-0.0033
			Y	-0.0001	-0.0037	-0.0045	0.0053	-0.0006	0.0002
			Z	-0.0187	0.0036	0.0104	0.0055	-0.0113	-0.0195
AT.	55	O	X	-0.0019	-0.0077	0.0080	-0.0076	0.0032	-0.0033
			Y	-0.0001	0.0037	-0.0045	-0.0053	-0.0006	-0.0002
			Z	0.0187	0.0036	-0.0104	0.0055	0.0113	-0.0195
AT.	56	O	X	0.0019	0.0077	0.0080	0.0076	0.0032	-0.0033
			Y	0.0001	-0.0037	-0.0045	0.0053	-0.0006	-0.0002
			Z	0.0187	0.0036	0.0104	0.0055	-0.0113	0.0195
AT.	57	O	X	0.0019	-0.0077	0.0080	0.0076	-0.0032	0.0033

		Y	-0.0001	-0.0037	0.0045	-0.0053	-0.0006	-0.0002
		Z	0.0187	-0.0036	0.0104	0.0055	0.0113	-0.0195
AT.	58 O	X	-0.0019	0.0077	0.0080	-0.0076	-0.0032	0.0033
		Y	0.0001	0.0037	0.0045	0.0053	-0.0006	-0.0002
		Z	0.0187	-0.0036	-0.0104	0.0055	-0.0113	0.0195
AT.	59 O	X	0.0019	0.0077	-0.0080	-0.0076	0.0032	0.0033
		Y	0.0001	-0.0037	0.0045	-0.0053	-0.0006	0.0002
		Z	-0.0187	-0.0036	0.0104	0.0055	0.0113	0.0195
AT.	60 O	X	-0.0019	-0.0077	-0.0080	0.0076	0.0032	0.0033
		Y	-0.0001	0.0037	0.0045	0.0053	-0.0006	0.0002
		Z	-0.0187	-0.0036	-0.0104	0.0055	-0.0113	-0.0195
AT.	61 O	X	-0.0102	0.0063	0.0086	-0.0018	0.0087	-0.0088
		Y	-0.0155	0.0028	-0.0070	0.0033	0.0147	0.0112
		Z	0.0067	-0.0026	-0.0090	-0.0058	-0.0042	-0.0009
AT.	62 O	X	0.0102	-0.0063	0.0086	0.0018	0.0087	-0.0088
		Y	0.0155	-0.0028	-0.0070	-0.0033	0.0147	0.0112
		Z	0.0067	-0.0026	0.0090	-0.0058	0.0042	0.0009
AT.	63 O	X	-0.0102	-0.0063	-0.0086	0.0018	-0.0087	-0.0088
		Y	0.0155	0.0028	-0.0070	0.0033	0.0147	-0.0112
		Z	-0.0067	-0.0026	-0.0090	-0.0058	-0.0042	0.0009
AT.	64 O	X	0.0102	0.0063	-0.0086	-0.0018	-0.0087	-0.0088
		Y	-0.0155	-0.0028	-0.0070	-0.0033	0.0147	-0.0112
		Z	-0.0067	-0.0026	0.0090	-0.0058	0.0042	-0.0009
AT.	65 O	X	0.0102	-0.0063	-0.0086	-0.0018	0.0087	0.0088
		Y	0.0155	-0.0028	0.0070	0.0033	0.0147	-0.0112
		Z	-0.0067	0.0026	0.0090	-0.0058	-0.0042	0.0009
AT.	66 O	X	-0.0102	0.0063	-0.0086	0.0018	0.0087	0.0088
		Y	-0.0155	0.0028	0.0070	-0.0033	0.0147	-0.0112
		Z	-0.0067	0.0026	-0.0090	-0.0058	0.0042	-0.0009
AT.	67 O	X	0.0102	0.0063	0.0086	0.0018	-0.0087	0.0088
		Y	-0.0155	-0.0028	0.0070	0.0033	0.0147	0.0112
		Z	0.0067	0.0026	0.0090	-0.0058	-0.0042	-0.0009
AT.	68 O	X	-0.0102	-0.0063	0.0086	-0.0018	-0.0087	0.0088
		Y	0.0155	0.0028	0.0070	-0.0033	0.0147	0.0112
		Z	0.0067	0.0026	-0.0090	-0.0058	0.0042	0.0009
AT.	69 O	X	-0.0035	0.0125	-0.0162	0.0089	0.0024	-0.0149
		Y	0.0222	-0.0047	-0.0001	-0.0163	-0.0150	-0.0166
		Z	0.0097	-0.0058	-0.0066	-0.0063	-0.0061	-0.0059
AT.	70 O	X	0.0035	-0.0125	-0.0162	-0.0089	0.0024	-0.0149
		Y	-0.0222	0.0047	-0.0001	0.0163	-0.0150	-0.0166
		Z	0.0097	-0.0058	0.0066	-0.0063	0.0061	0.0059
AT.	71 O	X	-0.0035	-0.0125	0.0162	-0.0089	-0.0024	-0.0149
		Y	-0.0222	-0.0047	-0.0001	-0.0163	-0.0150	0.0166
		Z	-0.0097	-0.0058	-0.0066	-0.0063	-0.0061	0.0059
AT.	72 O	X	0.0035	0.0125	0.0162	0.0089	-0.0024	-0.0149
		Y	0.0222	0.0047	-0.0001	0.0163	-0.0150	0.0166
		Z	-0.0097	-0.0058	0.0066	-0.0063	0.0061	-0.0059
AT.	73 O	X	0.0035	-0.0125	0.0162	0.0089	0.0024	0.0149
		Y	-0.0222	0.0047	0.0001	-0.0163	-0.0150	0.0166
		Z	-0.0097	0.0058	0.0066	-0.0063	-0.0061	0.0059
AT.	74 O	X	-0.0035	0.0125	0.0162	-0.0089	0.0024	0.0149
		Y	0.0222	-0.0047	0.0001	0.0163	-0.0150	0.0166
		Z	-0.0097	0.0058	-0.0066	-0.0063	0.0061	-0.0059
AT.	75 O	X	0.0035	0.0125	-0.0162	-0.0089	-0.0024	0.0149
		Y	0.0222	0.0047	0.0001	-0.0163	-0.0150	-0.0166
		Z	0.0097	0.0058	0.0066	-0.0063	-0.0061	-0.0059
AT.	76 O	X	-0.0035	-0.0125	-0.0162	0.0089	-0.0024	0.0149
		Y	-0.0222	-0.0047	0.0001	0.0163	-0.0150	-0.0166
		Z	0.0097	0.0058	-0.0066	-0.0063	0.0061	0.0059
AT.	77 O	X	-0.0049	0.0112	-0.0057	0.0025	0.0006	-0.0096
		Y	-0.0028	0.0066	-0.0078	0.0006	-0.0151	0.0190

		Z	0.0069	0.0020	-0.0268	0.0110	0.0016	-0.0046
AT.	78 O	X	0.0049	-0.0112	-0.0057	-0.0025	0.0006	-0.0096
		Y	0.0028	-0.0066	-0.0078	-0.0006	-0.0151	0.0190
		Z	0.0069	0.0020	0.0268	0.0110	-0.0016	0.0046
AT.	79 O	X	-0.0049	-0.0112	0.0057	-0.0025	-0.0006	-0.0096
		Y	0.0028	0.0066	-0.0078	0.0006	-0.0151	-0.0190
		Z	-0.0069	0.0020	-0.0268	0.0110	0.0016	0.0046
AT.	80 O	X	0.0049	0.0112	0.0057	0.0025	-0.0006	-0.0096
		Y	-0.0028	-0.0066	-0.0078	-0.0006	-0.0151	-0.0190
		Z	-0.0069	0.0020	0.0268	0.0110	-0.0016	-0.0046
AT.	81 O	X	0.0049	-0.0112	0.0057	0.0025	0.0006	0.0096
		Y	0.0028	-0.0066	0.0078	0.0006	-0.0151	-0.0190
		Z	-0.0069	-0.0020	0.0268	0.0110	0.0016	0.0046
AT.	82 O	X	-0.0049	0.0112	0.0057	-0.0025	0.0006	0.0096
		Y	-0.0028	0.0066	0.0078	-0.0006	-0.0151	-0.0190
		Z	-0.0069	-0.0020	-0.0268	0.0110	-0.0016	-0.0046
AT.	83 O	X	0.0049	0.0112	-0.0057	-0.0025	-0.0006	0.0096
		Y	-0.0028	-0.0066	0.0078	0.0006	-0.0151	0.0190
		Z	0.0069	-0.0020	0.0268	0.0110	0.0016	-0.0046
AT.	84 O	X	-0.0049	-0.0112	-0.0057	0.0025	-0.0006	0.0096
		Y	0.0028	0.0066	0.0078	-0.0006	-0.0151	0.0190
		Z	0.0069	-0.0020	-0.0268	0.0110	-0.0016	0.0046
AT.	85 O	X	-0.0062	-0.0251	-0.0057	0.0098	0.0094	0.0140
		Y	-0.0106	0.0048	-0.0035	-0.0002	0.0092	-0.0032
		Z	0.0072	-0.0088	-0.0042	0.0038	-0.0053	0.0029
AT.	86 O	X	0.0062	0.0251	-0.0057	-0.0098	0.0094	0.0140
		Y	0.0106	-0.0048	-0.0035	0.0002	0.0092	-0.0032
		Z	0.0072	-0.0088	0.0042	0.0038	0.0053	-0.0029
AT.	87 O	X	-0.0062	0.0251	0.0057	-0.0098	-0.0094	0.0140
		Y	0.0106	0.0048	-0.0035	-0.0002	0.0092	0.0032
		Z	-0.0072	-0.0088	-0.0042	0.0038	-0.0053	-0.0029
AT.	88 O	X	0.0062	-0.0251	0.0057	0.0098	-0.0094	0.0140
		Y	-0.0106	-0.0048	-0.0035	0.0002	0.0092	0.0032
		Z	-0.0072	-0.0088	0.0042	0.0038	0.0053	0.0029
AT.	89 O	X	0.0062	0.0251	0.0057	0.0098	0.0094	-0.0140
		Y	0.0106	-0.0048	0.0035	-0.0002	0.0092	0.0032
		Z	-0.0072	0.0088	0.0042	0.0038	-0.0053	-0.0029
AT.	90 O	X	-0.0062	-0.0251	0.0057	-0.0098	0.0094	-0.0140
		Y	-0.0106	0.0048	0.0035	0.0002	0.0092	0.0032
		Z	-0.0072	0.0088	-0.0042	0.0038	0.0053	0.0029
AT.	91 O	X	0.0062	-0.0251	-0.0057	-0.0098	-0.0094	-0.0140
		Y	-0.0106	-0.0048	0.0035	-0.0002	0.0092	-0.0032
		Z	0.0072	0.0088	0.0042	0.0038	-0.0053	0.0029
AT.	92 O	X	-0.0062	0.0251	-0.0057	0.0098	-0.0094	-0.0140
		Y	0.0106	0.0048	0.0035	0.0002	0.0092	-0.0032
		Z	0.0072	0.0088	-0.0042	0.0038	0.0053	-0.0029
AT.	93 O	X	0.0058	-0.0064	-0.0046	0.0115	-0.0052	0.0043
		Y	0.0047	-0.0036	-0.0044	0.0027	-0.0010	-0.0002
		Z	-0.0122	0.0009	-0.0090	0.0018	0.0051	-0.0012
AT.	94 O	X	-0.0058	0.0064	-0.0046	-0.0115	-0.0052	0.0043
		Y	-0.0047	0.0036	-0.0044	-0.0027	-0.0010	-0.0002
		Z	-0.0122	0.0009	0.0090	0.0018	-0.0051	0.0012
AT.	95 O	X	0.0058	0.0064	0.0046	-0.0115	0.0052	0.0043
		Y	-0.0047	-0.0036	-0.0044	0.0027	-0.0010	0.0002
		Z	0.0122	0.0009	-0.0090	0.0018	0.0051	0.0012
AT.	96 O	X	-0.0058	-0.0064	0.0046	0.0115	0.0052	0.0043
		Y	0.0047	0.0036	-0.0044	-0.0027	-0.0010	0.0002
		Z	0.0122	0.0009	0.0090	0.0018	-0.0051	-0.0012
AT.	97 O	X	-0.0058	0.0064	0.0046	0.0115	-0.0052	-0.0043
		Y	-0.0047	0.0036	0.0044	0.0027	-0.0010	0.0002
		Z	0.0122	-0.0009	0.0090	0.0018	0.0051	0.0012

AT. 98	O	X	0.0058	-0.0064	0.0046	-0.0115	-0.0052	-0.0043
		Y	0.0047	-0.0036	0.0044	-0.0027	-0.0010	0.0002
		Z	0.0122	-0.0009	-0.0090	0.0018	-0.0051	-0.0012
AT. 99	O	X	-0.0058	-0.0064	-0.0046	-0.0115	0.0052	-0.0043
		Y	0.0047	0.0036	0.0044	0.0027	-0.0010	-0.0002
		Z	-0.0122	-0.0009	0.0090	0.0018	0.0051	-0.0012
AT. 100	O	X	0.0058	0.0064	-0.0046	0.0115	0.0052	-0.0043
		Y	-0.0047	-0.0036	0.0044	-0.0027	-0.0010	-0.0002
		Z	-0.0122	-0.0009	-0.0090	0.0018	-0.0051	0.0012
AT. 101	O	X	0.0008	0.0084	0.0007	-0.0042	-0.0004	0.0000
		Y	0.0120	-0.0133	-0.0052	0.0104	-0.0040	0.0040
		Z	0.0059	-0.0173	-0.0009	0.0086	-0.0013	0.0054
AT. 102	O	X	-0.0008	-0.0084	0.0007	0.0042	-0.0004	0.0000
		Y	-0.0120	0.0133	-0.0052	-0.0104	-0.0040	0.0040
		Z	0.0059	-0.0173	0.0009	0.0086	0.0013	-0.0054
AT. 103	O	X	0.0008	-0.0084	-0.0007	0.0042	0.0004	0.0000
		Y	-0.0120	-0.0133	-0.0052	0.0104	-0.0040	-0.0040
		Z	-0.0059	-0.0173	-0.0009	0.0086	-0.0013	-0.0054
AT. 104	O	X	-0.0008	0.0084	-0.0007	-0.0042	0.0004	0.0000
		Y	0.0120	0.0133	-0.0052	-0.0104	-0.0040	-0.0040
		Z	-0.0059	-0.0173	0.0009	0.0086	0.0013	0.0054
AT. 105	O	X	-0.0008	-0.0084	-0.0007	-0.0042	-0.0004	0.0000
		Y	-0.0120	0.0133	0.0052	0.0104	-0.0040	-0.0040
		Z	-0.0059	0.0173	0.0009	0.0086	-0.0013	-0.0054
AT. 106	O	X	0.0008	0.0084	-0.0007	0.0042	-0.0004	0.0000
		Y	0.0120	-0.0133	0.0052	-0.0104	-0.0040	-0.0040
		Z	-0.0059	0.0173	-0.0009	0.0086	0.0013	0.0054
AT. 107	O	X	-0.0008	0.0084	0.0007	0.0042	0.0004	0.0000
		Y	0.0120	0.0133	0.0052	0.0104	-0.0040	0.0040
		Z	0.0059	0.0173	0.0009	0.0086	-0.0013	0.0054
AT. 108	O	X	0.0008	-0.0084	0.0007	-0.0042	0.0004	0.0000
		Y	-0.0120	-0.0133	0.0052	-0.0104	-0.0040	0.0040
		Z	0.0059	0.0173	-0.0009	0.0086	0.0013	-0.0054
AT. 109	O	X	0.0014	-0.0115	-0.0039	0.0049	0.0003	0.0071
		Y	0.0137	0.0027	-0.0002	0.0131	-0.0138	-0.0025
		Z	0.0072	0.0249	0.0076	-0.0121	-0.0124	-0.0081
AT. 110	O	X	-0.0014	0.0115	-0.0039	-0.0049	0.0003	0.0071
		Y	-0.0137	-0.0027	-0.0002	-0.0131	-0.0138	-0.0025
		Z	0.0072	0.0249	-0.0076	-0.0121	0.0124	0.0081
AT. 111	O	X	0.0014	0.0115	0.0039	-0.0049	-0.0003	0.0071
		Y	-0.0137	0.0027	-0.0002	0.0131	-0.0138	0.0025
		Z	-0.0072	0.0249	0.0076	-0.0121	-0.0124	0.0081
AT. 112	O	X	-0.0014	-0.0115	0.0039	0.0049	-0.0003	0.0071
		Y	0.0137	-0.0027	-0.0002	-0.0131	-0.0138	0.0025
		Z	-0.0072	0.0249	-0.0076	-0.0121	0.0124	-0.0081
AT. 113	O	X	-0.0014	0.0115	0.0039	0.0049	0.0003	-0.0071
		Y	-0.0137	-0.0027	0.0002	0.0131	-0.0138	0.0025
		Z	-0.0072	-0.0249	-0.0076	-0.0121	-0.0124	0.0081
AT. 114	O	X	0.0014	-0.0115	0.0039	-0.0049	0.0003	-0.0071
		Y	0.0137	0.0027	0.0002	-0.0131	-0.0138	0.0025
		Z	-0.0072	-0.0249	0.0076	-0.0121	0.0124	-0.0081
AT. 115	O	X	-0.0014	-0.0115	-0.0039	-0.0049	-0.0003	-0.0071
		Y	0.0137	-0.0027	0.0002	0.0131	-0.0138	-0.0025
		Z	0.0072	-0.0249	-0.0076	-0.0121	-0.0124	-0.0081
AT. 116	O	X	0.0014	0.0115	-0.0039	0.0049	-0.0003	-0.0071
		Y	-0.0137	0.0027	0.0002	-0.0131	-0.0138	-0.0025
		Z	0.0072	-0.0249	0.0076	-0.0121	0.0124	0.0081
AT. 117	O	X	-0.0059	0.0018	0.0111	0.0025	0.0119	-0.0005
		Y	0.0047	-0.0043	-0.0055	0.0021	-0.0036	0.0026
		Z	0.0071	-0.0009	-0.0097	-0.0018	-0.0133	-0.0022
AT. 118	O	X	0.0059	-0.0018	0.0111	-0.0025	0.0119	-0.0005

	Y	-0.0047	0.0043	-0.0055	-0.0021	-0.0036	0.0026
	Z	0.0071	-0.0009	0.0097	-0.0018	0.0133	0.0022
AT. 119 O	X	-0.0059	-0.0018	-0.0111	-0.0025	-0.0119	-0.0005
	Y	-0.0047	-0.0043	-0.0055	0.0021	-0.0036	-0.0026
	Z	-0.0071	-0.0009	-0.0097	-0.0018	-0.0133	0.0022
AT. 120 O	X	0.0059	0.0018	-0.0111	0.0025	-0.0119	-0.0005
	Y	0.0047	0.0043	-0.0055	-0.0021	-0.0036	-0.0026
	Z	-0.0071	-0.0009	0.0097	-0.0018	0.0133	-0.0022
AT. 121 O	X	0.0059	-0.0018	-0.0111	0.0025	0.0119	0.0005
	Y	-0.0047	0.0043	0.0055	0.0021	-0.0036	-0.0026
	Z	-0.0071	0.0009	0.0097	-0.0018	-0.0133	0.0022
AT. 122 O	X	-0.0059	0.0018	-0.0111	-0.0025	0.0119	0.0005
	Y	0.0047	-0.0043	0.0055	-0.0021	-0.0036	-0.0026
	Z	-0.0071	0.0009	-0.0097	-0.0018	0.0133	-0.0022
AT. 123 O	X	0.0059	0.0018	0.0111	-0.0025	-0.0119	0.0005
	Y	0.0047	0.0043	0.0055	0.0021	-0.0036	0.0026
	Z	0.0071	0.0009	0.0097	-0.0018	-0.0133	-0.0022
AT. 124 O	X	-0.0059	-0.0018	0.0111	0.0025	-0.0119	0.0005
	Y	-0.0047	-0.0043	0.0055	-0.0021	-0.0036	0.0026
	Z	0.0071	0.0009	-0.0097	-0.0018	0.0133	0.0022

FREQ(CM**-1)	267.07	267.87	268.55	269.45	270.17	270.44
AT. 1 SI X	0.0045	-0.0030	-0.0103	0.0035	0.0061	-0.0115
Y	-0.0003	0.0046	-0.0044	0.0020	-0.0081	0.0011
Z	-0.0082	-0.0045	-0.0134	-0.0069	0.0032	-0.0035
AT. 2 SI X	-0.0045	0.0030	0.0103	-0.0035	0.0061	0.0115
Y	0.0003	-0.0046	0.0044	-0.0020	-0.0081	-0.0011
Z	-0.0082	-0.0045	-0.0134	-0.0069	-0.0032	-0.0035
AT. 3 SI X	0.0045	-0.0030	0.0103	-0.0035	0.0061	-0.0115
Y	0.0003	-0.0046	-0.0044	0.0020	0.0081	-0.0011
Z	0.0082	0.0045	-0.0134	-0.0069	-0.0032	0.0035
AT. 4 SI X	-0.0045	0.0030	-0.0103	0.0035	0.0061	0.0115
Y	-0.0003	0.0046	0.0044	-0.0020	0.0081	0.0011
Z	0.0082	0.0045	-0.0134	-0.0069	0.0032	0.0035
AT. 5 SI X	-0.0045	-0.0030	0.0103	0.0035	0.0061	0.0115
Y	0.0003	0.0046	0.0044	0.0020	-0.0081	-0.0011
Z	0.0082	-0.0045	0.0134	-0.0069	0.0032	0.0035
AT. 6 SI X	0.0045	0.0030	-0.0103	-0.0035	0.0061	-0.0115
Y	-0.0003	-0.0046	-0.0044	-0.0020	-0.0081	0.0011
Z	0.0082	-0.0045	0.0134	-0.0069	-0.0032	0.0035
AT. 7 SI X	-0.0045	-0.0030	-0.0103	-0.0035	0.0061	0.0115
Y	-0.0003	-0.0046	0.0044	0.0020	0.0081	0.0011
Z	-0.0082	0.0045	0.0134	-0.0069	-0.0032	-0.0035
AT. 8 SI X	0.0045	0.0030	0.0103	0.0035	0.0061	-0.0115
Y	0.0003	0.0046	-0.0044	-0.0020	0.0081	-0.0011
Z	-0.0082	0.0045	0.0134	-0.0069	0.0032	-0.0035
AT. 9 SI X	-0.0039	0.0050	0.0013	-0.0048	-0.0061	0.0050
Y	-0.0067	-0.0082	-0.0059	-0.0009	0.0108	-0.0041
Z	0.0074	-0.0010	0.0023	0.0027	-0.0027	0.0029
AT. 10 SI X	0.0039	-0.0050	-0.0013	0.0048	-0.0061	-0.0050
Y	0.0067	0.0082	0.0059	0.0009	0.0108	0.0041
Z	0.0074	-0.0010	0.0023	0.0027	0.0027	0.0029
AT. 11 SI X	-0.0039	0.0050	-0.0013	0.0048	-0.0061	0.0050
Y	0.0067	0.0082	-0.0059	-0.0009	-0.0108	0.0041
Z	-0.0074	0.0010	0.0023	0.0027	0.0027	-0.0029
AT. 12 SI X	0.0039	-0.0050	0.0013	-0.0048	-0.0061	-0.0050
Y	-0.0067	-0.0082	0.0059	0.0009	-0.0108	-0.0041
Z	-0.0074	0.0010	0.0023	0.0027	-0.0027	-0.0029
AT. 13 SI X	0.0039	0.0050	-0.0013	-0.0048	-0.0061	-0.0050
Y	0.0067	-0.0082	0.0059	-0.0009	0.0108	0.0041

		Z	-0.0074	-0.0010	-0.0023	0.0027	-0.0027	-0.0029
AT.	14 SI	X	-0.0039	-0.0050	0.0013	0.0048	-0.0061	0.0050
		Y	-0.0067	0.0082	-0.0059	0.0009	0.0108	-0.0041
		Z	-0.0074	-0.0010	-0.0023	0.0027	0.0027	-0.0029
AT.	15 SI	X	0.0039	0.0050	0.0013	0.0048	-0.0061	-0.0050
		Y	-0.0067	0.0082	0.0059	-0.0009	-0.0108	-0.0041
		Z	0.0074	0.0010	-0.0023	0.0027	0.0027	0.0029
AT.	16 SI	X	-0.0039	-0.0050	-0.0013	-0.0048	-0.0061	0.0050
		Y	0.0067	-0.0082	-0.0059	0.0009	-0.0108	0.0041
		Z	0.0074	0.0010	-0.0023	0.0027	-0.0027	0.0029
AT.	17 SI	X	0.0000	0.0000	0.0074	0.0018	-0.0062	0.0000
		Y	-0.0065	-0.0009	0.0000	0.0000	0.0000	-0.0072
		Z	0.0000	0.0000	-0.0030	0.0001	0.0000	0.0000
AT.	18 SI	X	0.0000	0.0000	-0.0074	-0.0018	-0.0062	0.0000
		Y	0.0065	0.0009	0.0000	0.0000	0.0000	0.0072
		Z	0.0000	0.0000	-0.0030	0.0001	0.0000	0.0000
AT.	19 SI	X	0.0000	0.0000	-0.0074	0.0018	-0.0062	0.0000
		Y	0.0065	-0.0009	0.0000	0.0000	0.0000	0.0072
		Z	0.0000	0.0000	0.0030	0.0001	0.0000	0.0000
AT.	20 SI	X	0.0000	0.0000	0.0074	-0.0018	-0.0062	0.0000
		Y	-0.0065	0.0009	0.0000	0.0000	0.0000	-0.0072
		Z	0.0000	0.0000	0.0030	0.0001	0.0000	0.0000
AT.	21 CA	X	0.0077	0.0057	0.0085	-0.0037	-0.0122	-0.0095
		Y	0.0101	0.0039	-0.0025	-0.0126	-0.0060	-0.0061
		Z	0.0004	-0.0021	-0.0034	0.0134	0.0057	0.0069
AT.	22 CA	X	-0.0077	-0.0057	-0.0085	0.0037	-0.0122	0.0095
		Y	-0.0101	-0.0039	0.0025	0.0126	-0.0060	0.0061
		Z	0.0004	-0.0021	-0.0034	0.0134	-0.0057	0.0069
AT.	23 CA	X	0.0077	0.0057	-0.0085	0.0037	-0.0122	-0.0095
		Y	-0.0101	-0.0039	-0.0025	-0.0126	0.0060	0.0061
		Z	-0.0004	0.0021	-0.0034	0.0134	-0.0057	-0.0069
AT.	24 CA	X	-0.0077	-0.0057	0.0085	-0.0037	-0.0122	0.0095
		Y	0.0101	0.0039	0.0025	0.0126	0.0060	-0.0061
		Z	-0.0004	0.0021	-0.0034	0.0134	0.0057	-0.0069
AT.	25 CA	X	-0.0077	0.0057	-0.0085	-0.0037	-0.0122	0.0095
		Y	-0.0101	0.0039	0.0025	-0.0126	-0.0060	0.0061
		Z	-0.0004	-0.0021	0.0034	0.0134	0.0057	-0.0069
AT.	26 CA	X	0.0077	-0.0057	0.0085	0.0037	-0.0122	-0.0095
		Y	0.0101	-0.0039	-0.0025	0.0126	-0.0060	-0.0061
		Z	-0.0004	-0.0021	0.0034	0.0134	-0.0057	-0.0069
AT.	27 CA	X	-0.0077	0.0057	0.0085	0.0037	-0.0122	0.0095
		Y	0.0101	-0.0039	0.0025	-0.0126	0.0060	-0.0061
		Z	0.0004	0.0021	0.0034	0.0134	-0.0057	0.0069
AT.	28 CA	X	0.0077	-0.0057	-0.0085	-0.0037	-0.0122	-0.0095
		Y	-0.0101	0.0039	-0.0025	0.0126	0.0060	0.0061
		Z	0.0004	0.0021	0.0034	0.0134	0.0057	0.0069
AT.	29 CA	X	0.0000	0.0052	0.0000	-0.0095	-0.0044	0.0000
		Y	0.0000	-0.0122	0.0000	0.0103	0.0103	0.0000
		Z	0.0000	-0.0035	0.0000	-0.0036	0.0072	0.0000
AT.	30 CA	X	0.0000	-0.0052	0.0000	0.0095	-0.0044	0.0000
		Y	0.0000	0.0122	0.0000	-0.0103	0.0103	0.0000
		Z	0.0000	-0.0035	0.0000	-0.0036	-0.0072	0.0000
AT.	31 CA	X	0.0000	0.0052	0.0000	0.0095	-0.0044	0.0000
		Y	0.0000	0.0122	0.0000	0.0103	-0.0103	0.0000
		Z	0.0000	0.0035	0.0000	-0.0036	-0.0072	0.0000
AT.	32 CA	X	0.0000	-0.0052	0.0000	-0.0095	-0.0044	0.0000
		Y	0.0000	-0.0122	0.0000	-0.0103	-0.0103	0.0000
		Z	0.0000	0.0035	0.0000	-0.0036	0.0072	0.0000
AT.	33 CA	X	0.0019	-0.0032	0.0034	0.0006	0.0010	0.0041
		Y	0.0012	0.0051	0.0017	0.0010	-0.0048	-0.0011
		Z	0.0005	0.0041	0.0011	-0.0013	-0.0008	-0.0016

AT.	34	CA	X	-0.0019	0.0032	-0.0034	-0.0006	0.0010	-0.0041
			Y	-0.0012	-0.0051	-0.0017	-0.0010	-0.0048	0.0011
			Z	0.0005	0.0041	0.0011	-0.0013	0.0008	-0.0016
AT.	35	CA	X	0.0019	-0.0032	-0.0034	-0.0006	0.0010	0.0041
			Y	-0.0012	-0.0051	0.0017	0.0010	0.0048	0.0011
			Z	-0.0005	-0.0041	0.0011	-0.0013	0.0008	0.0016
AT.	36	CA	X	-0.0019	0.0032	0.0034	0.0006	0.0010	-0.0041
			Y	0.0012	0.0051	-0.0017	-0.0010	0.0048	-0.0011
			Z	-0.0005	-0.0041	0.0011	-0.0013	-0.0008	0.0016
AT.	37	CA	X	-0.0019	-0.0032	-0.0034	0.0006	0.0010	-0.0041
			Y	-0.0012	0.0051	-0.0017	0.0010	-0.0048	0.0011
			Z	-0.0005	0.0041	-0.0011	-0.0013	-0.0008	0.0016
AT.	38	CA	X	0.0019	0.0032	0.0034	-0.0006	0.0010	0.0041
			Y	0.0012	-0.0051	0.0017	-0.0010	-0.0048	-0.0011
			Z	-0.0005	0.0041	-0.0011	-0.0013	0.0008	0.0016
AT.	39	CA	X	-0.0019	-0.0032	0.0034	-0.0006	0.0010	-0.0041
			Y	0.0012	-0.0051	-0.0017	0.0010	0.0048	-0.0011
			Z	0.0005	-0.0041	-0.0011	-0.0013	0.0008	-0.0016
AT.	40	CA	X	0.0019	0.0032	-0.0034	0.0006	0.0010	0.0041
			Y	-0.0012	0.0051	0.0017	-0.0010	0.0048	0.0011
			Z	0.0005	-0.0041	-0.0011	-0.0013	-0.0008	-0.0016
AT.	41	CA	X	-0.0048	-0.0094	-0.0049	-0.0050	0.0166	0.0116
			Y	0.0069	-0.0073	0.0031	-0.0056	0.0053	0.0193
			Z	-0.0036	-0.0098	0.0088	-0.0010	-0.0013	0.0013
AT.	42	CA	X	0.0048	0.0094	0.0049	0.0050	0.0166	-0.0116
			Y	-0.0069	0.0073	-0.0031	0.0056	0.0053	-0.0193
			Z	-0.0036	-0.0098	0.0088	-0.0010	0.0013	0.0013
AT.	43	CA	X	-0.0048	-0.0094	0.0049	0.0050	0.0166	0.0116
			Y	-0.0069	0.0073	0.0031	-0.0056	-0.0053	-0.0193
			Z	0.0036	0.0098	0.0088	-0.0010	0.0013	-0.0013
AT.	44	CA	X	0.0048	0.0094	-0.0049	-0.0050	0.0166	-0.0116
			Y	0.0069	-0.0073	-0.0031	0.0056	-0.0053	0.0193
			Z	0.0036	0.0098	0.0088	-0.0010	-0.0013	-0.0013
AT.	45	CA	X	0.0048	-0.0094	0.0049	-0.0050	0.0166	-0.0116
			Y	-0.0069	-0.0073	-0.0031	-0.0056	0.0053	-0.0193
			Z	0.0036	-0.0098	-0.0088	-0.0010	-0.0013	-0.0013
AT.	46	CA	X	-0.0048	0.0094	-0.0049	0.0050	0.0166	0.0116
			Y	0.0069	0.0073	0.0031	0.0056	0.0053	0.0193
			Z	0.0036	-0.0098	-0.0088	-0.0010	0.0013	-0.0013
AT.	47	CA	X	0.0048	-0.0094	-0.0049	0.0050	0.0166	-0.0116
			Y	0.0069	0.0073	-0.0031	-0.0056	-0.0053	0.0193
			Z	-0.0036	0.0098	-0.0088	-0.0010	0.0013	0.0013
AT.	48	CA	X	-0.0048	0.0094	0.0049	-0.0050	0.0166	0.0116
			Y	-0.0069	-0.0073	0.0031	0.0056	-0.0053	-0.0193
			Z	-0.0036	0.0098	-0.0088	-0.0010	-0.0013	0.0013
AT.	49	CA	X	0.0000	0.0000	-0.0030	-0.0010	0.0013	0.0000
			Y	0.0252	-0.0192	0.0000	0.0000	0.0000	0.0004
			Z	0.0000	0.0000	0.0011	-0.0017	0.0043	0.0000
AT.	50	CA	X	0.0000	0.0000	0.0030	0.0010	0.0013	0.0000
			Y	-0.0252	0.0192	0.0000	0.0000	0.0000	-0.0004
			Z	0.0000	0.0000	0.0011	-0.0017	-0.0043	0.0000
AT.	51	CA	X	0.0000	0.0000	0.0030	-0.0010	0.0013	0.0000
			Y	-0.0252	-0.0192	0.0000	0.0000	0.0000	-0.0004
			Z	0.0000	0.0000	-0.0011	-0.0017	0.0043	0.0000
AT.	52	CA	X	0.0000	0.0000	-0.0030	0.0010	0.0013	0.0000
			Y	0.0252	0.0192	0.0000	0.0000	0.0000	0.0004
			Z	0.0000	0.0000	-0.0011	-0.0017	-0.0043	0.0000
AT.	53	O	X	0.0007	0.0064	-0.0100	0.0086	0.0011	-0.0095
			Y	0.0008	0.0003	-0.0037	0.0024	-0.0051	-0.0006
			Z	-0.0172	-0.0130	0.0024	0.0094	0.0001	0.0012
AT.	54	O	X	-0.0007	-0.0064	0.0100	-0.0086	0.0011	0.0095

		Y	-0.0008	-0.0003	0.0037	-0.0024	-0.0051	0.0006
		Z	-0.0172	-0.0130	0.0024	0.0094	-0.0001	0.0012
AT.	55 O	X	0.0007	0.0064	0.0100	-0.0086	0.0011	-0.0095
		Y	-0.0008	-0.0003	-0.0037	0.0024	0.0051	0.0006
		Z	0.0172	0.0130	0.0024	0.0094	-0.0001	-0.0012
AT.	56 O	X	-0.0007	-0.0064	-0.0100	0.0086	0.0011	0.0095
		Y	0.0008	0.0003	0.0037	-0.0024	0.0051	-0.0006
		Z	0.0172	0.0130	0.0024	0.0094	0.0001	-0.0012
AT.	57 O	X	-0.0007	0.0064	0.0100	0.0086	0.0011	0.0095
		Y	-0.0008	0.0003	0.0037	0.0024	-0.0051	0.0006
		Z	0.0172	-0.0130	-0.0024	0.0094	0.0001	-0.0012
AT.	58 O	X	0.0007	-0.0064	-0.0100	-0.0086	0.0011	-0.0095
		Y	0.0008	-0.0003	-0.0037	-0.0024	-0.0051	-0.0006
		Z	0.0172	-0.0130	-0.0024	0.0094	-0.0001	-0.0012
AT.	59 O	X	-0.0007	0.0064	-0.0100	-0.0086	0.0011	0.0095
		Y	0.0008	-0.0003	0.0037	0.0024	0.0051	-0.0006
		Z	-0.0172	0.0130	-0.0024	0.0094	-0.0001	0.0012
AT.	60 O	X	0.0007	-0.0064	0.0100	0.0086	0.0011	-0.0095
		Y	-0.0008	0.0003	-0.0037	-0.0024	0.0051	0.0006
		Z	-0.0172	0.0130	-0.0024	0.0094	0.0001	0.0012
AT.	61 O	X	0.0089	-0.0153	0.0008	0.0042	0.0131	-0.0032
		Y	-0.0084	-0.0133	0.0034	0.0138	-0.0046	-0.0009
		Z	-0.0010	0.0022	-0.0099	-0.0122	0.0016	0.0032
AT.	62 O	X	-0.0089	0.0153	-0.0008	-0.0042	0.0131	0.0032
		Y	0.0084	0.0133	-0.0034	-0.0138	-0.0046	0.0009
		Z	-0.0010	0.0022	-0.0099	-0.0122	-0.0016	0.0032
AT.	63 O	X	0.0089	-0.0153	-0.0008	-0.0042	0.0131	-0.0032
		Y	0.0084	0.0133	0.0034	0.0138	0.0046	0.0009
		Z	0.0010	-0.0022	-0.0099	-0.0122	-0.0016	-0.0032
AT.	64 O	X	-0.0089	0.0153	0.0008	0.0042	0.0131	0.0032
		Y	-0.0084	-0.0133	-0.0034	-0.0138	0.0046	-0.0009
		Z	0.0010	-0.0022	-0.0099	-0.0122	0.0016	-0.0032
AT.	65 O	X	-0.0089	-0.0153	-0.0008	0.0042	0.0131	0.0032
		Y	0.0084	-0.0133	-0.0034	0.0138	-0.0046	0.0009
		Z	0.0010	0.0022	0.0099	-0.0122	0.0016	-0.0032
AT.	66 O	X	0.0089	0.0153	0.0008	-0.0042	0.0131	-0.0032
		Y	-0.0084	0.0133	0.0034	-0.0138	-0.0046	-0.0009
		Z	0.0010	0.0022	0.0099	-0.0122	-0.0016	-0.0032
AT.	67 O	X	-0.0089	-0.0153	0.0008	-0.0042	0.0131	0.0032
		Y	-0.0084	0.0133	-0.0034	0.0138	0.0046	-0.0009
		Z	-0.0010	-0.0022	0.0099	-0.0122	-0.0016	0.0032
AT.	68 O	X	0.0089	0.0153	-0.0008	0.0042	0.0131	-0.0032
		Y	0.0084	-0.0133	0.0034	-0.0138	0.0046	0.0009
		Z	-0.0010	-0.0022	0.0099	-0.0122	0.0016	0.0032
AT.	69 O	X	0.0043	-0.0031	-0.0202	-0.0043	0.0064	-0.0193
		Y	0.0160	0.0114	-0.0055	-0.0152	-0.0047	0.0038
		Z	0.0020	0.0011	-0.0100	-0.0108	0.0033	0.0011
AT.	70 O	X	-0.0043	0.0031	0.0202	0.0043	0.0064	0.0193
		Y	-0.0160	-0.0114	0.0055	0.0152	-0.0047	-0.0038
		Z	0.0020	0.0011	-0.0100	-0.0108	-0.0033	0.0011
AT.	71 O	X	0.0043	-0.0031	0.0202	0.0043	0.0064	-0.0193
		Y	-0.0160	-0.0114	-0.0055	-0.0152	0.0047	-0.0038
		Z	-0.0020	-0.0011	-0.0100	-0.0108	-0.0033	-0.0011
AT.	72 O	X	-0.0043	0.0031	-0.0202	-0.0043	0.0064	0.0193
		Y	0.0160	0.0114	0.0055	0.0152	0.0047	0.0038
		Z	-0.0020	-0.0011	-0.0100	-0.0108	0.0033	-0.0011
AT.	73 O	X	-0.0043	-0.0031	0.0202	-0.0043	0.0064	0.0193
		Y	-0.0160	0.0114	0.0055	-0.0152	-0.0047	-0.0038
		Z	-0.0020	0.0011	0.0100	-0.0108	0.0033	-0.0011
AT.	74 O	X	0.0043	0.0031	-0.0202	0.0043	0.0064	-0.0193
		Y	0.0160	-0.0114	-0.0055	0.0152	-0.0047	0.0038

		Z	-0.0020	0.0011	0.0100	-0.0108	-0.0033	-0.0011
AT.	75 O	X	-0.0043	-0.0031	-0.0202	0.0043	0.0064	0.0193
		Y	0.0160	-0.0114	0.0055	-0.0152	0.0047	0.0038
		Z	0.0020	-0.0011	0.0100	-0.0108	-0.0033	0.0011
AT.	76 O	X	0.0043	0.0031	0.0202	-0.0043	0.0064	-0.0193
		Y	-0.0160	0.0114	-0.0055	0.0152	0.0047	-0.0038
		Z	0.0020	-0.0011	0.0100	-0.0108	0.0033	0.0011
AT.	77 O	X	0.0045	-0.0036	-0.0114	0.0038	0.0069	-0.0122
		Y	-0.0163	0.0164	-0.0038	0.0212	-0.0088	-0.0030
		Z	-0.0047	0.0077	-0.0247	-0.0047	-0.0070	-0.0102
AT.	78 O	X	-0.0045	0.0036	0.0114	-0.0038	0.0069	0.0122
		Y	0.0163	-0.0164	0.0038	-0.0212	-0.0088	0.0030
		Z	-0.0047	0.0077	-0.0247	-0.0047	0.0070	-0.0102
AT.	79 O	X	0.0045	-0.0036	0.0114	-0.0038	0.0069	-0.0122
		Y	0.0163	-0.0164	-0.0038	0.0212	0.0088	0.0030
		Z	0.0047	-0.0077	-0.0247	-0.0047	0.0070	0.0102
AT.	80 O	X	-0.0045	0.0036	-0.0114	0.0038	0.0069	0.0122
		Y	-0.0163	0.0164	0.0038	-0.0212	0.0088	-0.0030
		Z	0.0047	-0.0077	-0.0247	-0.0047	-0.0070	0.0102
AT.	81 O	X	-0.0045	-0.0036	0.0114	0.0038	0.0069	0.0122
		Y	0.0163	0.0164	0.0038	0.0212	-0.0088	0.0030
		Z	0.0047	0.0077	0.0247	-0.0047	-0.0070	0.0102
AT.	82 O	X	0.0045	0.0036	-0.0114	-0.0038	0.0069	-0.0122
		Y	-0.0163	-0.0164	-0.0038	-0.0212	-0.0088	-0.0030
		Z	0.0047	0.0077	0.0247	-0.0047	0.0070	0.0102
AT.	83 O	X	-0.0045	-0.0036	-0.0114	-0.0038	0.0069	0.0122
		Y	-0.0163	-0.0164	0.0038	0.0212	0.0088	-0.0030
		Z	-0.0047	-0.0077	0.0247	-0.0047	0.0070	-0.0102
AT.	84 O	X	0.0045	0.0036	0.0114	0.0038	0.0069	-0.0122
		Y	0.0163	0.0164	-0.0038	-0.0212	0.0088	0.0030
		Z	-0.0047	-0.0077	0.0247	-0.0047	-0.0070	-0.0102
AT.	85 O	X	-0.0117	0.0071	-0.0073	-0.0109	-0.0007	0.0057
		Y	-0.0096	-0.0008	-0.0076	0.0040	0.0135	-0.0142
		Z	0.0041	-0.0030	-0.0011	-0.0031	-0.0011	0.0084
AT.	86 O	X	0.0117	-0.0071	0.0073	0.0109	-0.0007	-0.0057
		Y	0.0096	0.0008	0.0076	-0.0040	0.0135	0.0142
		Z	0.0041	-0.0030	-0.0011	-0.0031	0.0011	0.0084
AT.	87 O	X	-0.0117	0.0071	0.0073	0.0109	-0.0007	0.0057
		Y	0.0096	0.0008	-0.0076	0.0040	-0.0135	0.0142
		Z	-0.0041	0.0030	-0.0011	-0.0031	0.0011	-0.0084
AT.	88 O	X	0.0117	-0.0071	-0.0073	-0.0109	-0.0007	-0.0057
		Y	-0.0096	-0.0008	0.0076	-0.0040	-0.0135	-0.0142
		Z	-0.0041	0.0030	-0.0011	-0.0031	-0.0011	-0.0084
AT.	89 O	X	0.0117	0.0071	0.0073	-0.0109	-0.0007	-0.0057
		Y	0.0096	-0.0008	0.0076	0.0040	0.0135	0.0142
		Z	-0.0041	-0.0030	0.0011	-0.0031	-0.0011	-0.0084
AT.	90 O	X	-0.0117	-0.0071	-0.0073	0.0109	-0.0007	0.0057
		Y	-0.0096	0.0008	-0.0076	-0.0040	0.0135	-0.0142
		Z	-0.0041	-0.0030	0.0011	-0.0031	0.0011	-0.0084
AT.	91 O	X	0.0117	0.0071	-0.0073	0.0109	-0.0007	-0.0057
		Y	-0.0096	0.0008	0.0076	0.0040	-0.0135	-0.0142
		Z	0.0041	0.0030	0.0011	-0.0031	0.0011	0.0084
AT.	92 O	X	-0.0117	-0.0071	0.0073	-0.0109	-0.0007	0.0057
		Y	0.0096	-0.0008	-0.0076	-0.0040	-0.0135	0.0142
		Z	0.0041	0.0030	0.0011	-0.0031	-0.0011	0.0084
AT.	93 O	X	-0.0008	0.0059	0.0006	-0.0026	-0.0063	0.0052
		Y	-0.0076	-0.0104	-0.0042	-0.0014	0.0096	-0.0041
		Z	0.0066	0.0104	-0.0054	0.0016	0.0001	-0.0021
AT.	94 O	X	0.0008	-0.0059	-0.0006	0.0026	-0.0063	-0.0052
		Y	0.0076	0.0104	0.0042	0.0014	0.0096	0.0041
		Z	0.0066	0.0104	-0.0054	0.0016	-0.0001	-0.0021

AT. 95	O	X	-0.0008	0.0059	-0.0006	0.0026	-0.0063	0.0052
		Y	0.0076	0.0104	-0.0042	-0.0014	-0.0096	0.0041
		Z	-0.0066	-0.0104	-0.0054	0.0016	-0.0001	0.0021
AT. 96	O	X	0.0008	-0.0059	0.0006	-0.0026	-0.0063	-0.0052
		Y	-0.0076	-0.0104	0.0042	0.0014	-0.0096	-0.0041
		Z	-0.0066	-0.0104	-0.0054	0.0016	0.0001	0.0021
AT. 97	O	X	0.0008	0.0059	-0.0006	-0.0026	-0.0063	-0.0052
		Y	0.0076	-0.0104	0.0042	-0.0014	0.0096	0.0041
		Z	-0.0066	0.0104	0.0054	0.0016	0.0001	0.0021
AT. 98	O	X	-0.0008	-0.0059	0.0006	0.0026	-0.0063	0.0052
		Y	-0.0076	0.0104	-0.0042	0.0014	0.0096	-0.0041
		Z	-0.0066	0.0104	0.0054	0.0016	-0.0001	0.0021
AT. 99	O	X	0.0008	0.0059	0.0006	0.0026	-0.0063	-0.0052
		Y	-0.0076	0.0104	0.0042	-0.0014	-0.0096	-0.0041
		Z	0.0066	-0.0104	0.0054	0.0016	-0.0001	-0.0021
AT. 100	O	X	-0.0008	-0.0059	-0.0006	-0.0026	-0.0063	0.0052
		Y	0.0076	-0.0104	-0.0042	0.0014	-0.0096	0.0041
		Z	0.0066	-0.0104	0.0054	0.0016	0.0001	-0.0021
AT. 101	O	X	-0.0016	0.0058	0.0157	0.0046	-0.0168	0.0017
		Y	-0.0114	-0.0085	-0.0072	-0.0114	0.0059	-0.0004
		Z	-0.0012	0.0001	-0.0028	-0.0098	-0.0024	0.0076
AT. 102	O	X	0.0016	-0.0058	-0.0157	-0.0046	-0.0168	-0.0017
		Y	0.0114	0.0085	0.0072	0.0114	0.0059	0.0004
		Z	-0.0012	0.0001	-0.0028	-0.0098	0.0024	0.0076
AT. 103	O	X	-0.0016	0.0058	-0.0157	-0.0046	-0.0168	0.0017
		Y	0.0114	0.0085	-0.0072	-0.0114	-0.0059	0.0004
		Z	0.0012	-0.0001	-0.0028	-0.0098	0.0024	-0.0076
AT. 104	O	X	0.0016	-0.0058	0.0157	0.0046	-0.0168	-0.0017
		Y	-0.0114	-0.0085	0.0072	0.0114	-0.0059	-0.0004
		Z	0.0012	-0.0001	-0.0028	-0.0098	-0.0024	-0.0076
AT. 105	O	X	0.0016	0.0058	-0.0157	0.0046	-0.0168	-0.0017
		Y	0.0114	-0.0085	0.0072	-0.0114	0.0059	0.0004
		Z	0.0012	0.0001	0.0028	-0.0098	-0.0024	-0.0076
AT. 106	O	X	-0.0016	-0.0058	0.0157	-0.0046	-0.0168	0.0017
		Y	-0.0114	0.0085	-0.0072	0.0114	0.0059	-0.0004
		Z	0.0012	0.0001	0.0028	-0.0098	0.0024	-0.0076
AT. 107	O	X	0.0016	0.0058	0.0157	-0.0046	-0.0168	-0.0017
		Y	-0.0114	0.0085	0.0072	-0.0114	-0.0059	-0.0004
		Z	-0.0012	-0.0001	0.0028	-0.0098	0.0024	0.0076
AT. 108	O	X	-0.0016	-0.0058	-0.0157	0.0046	-0.0168	0.0017
		Y	0.0114	-0.0085	-0.0072	0.0114	-0.0059	0.0004
		Z	-0.0012	-0.0001	0.0028	-0.0098	-0.0024	0.0076
AT. 109	O	X	-0.0049	0.0060	0.0017	-0.0055	-0.0069	0.0050
		Y	-0.0036	-0.0098	0.0004	0.0067	0.0009	-0.0073
		Z	0.0049	-0.0021	0.0161	0.0126	-0.0039	-0.0075
AT. 110	O	X	0.0049	-0.0060	-0.0017	0.0055	-0.0069	-0.0050
		Y	0.0036	0.0098	-0.0004	-0.0067	0.0009	0.0073
		Z	0.0049	-0.0021	0.0161	0.0126	0.0039	-0.0075
AT. 111	O	X	-0.0049	0.0060	-0.0017	0.0055	-0.0069	0.0050
		Y	0.0036	0.0098	0.0004	0.0067	-0.0009	0.0073
		Z	-0.0049	0.0021	0.0161	0.0126	0.0039	0.0075
AT. 112	O	X	0.0049	-0.0060	0.0017	-0.0055	-0.0069	-0.0050
		Y	-0.0036	-0.0098	-0.0004	-0.0067	-0.0009	-0.0073
		Z	-0.0049	0.0021	0.0161	0.0126	-0.0039	0.0075
AT. 113	O	X	0.0049	0.0060	-0.0017	-0.0055	-0.0069	-0.0050
		Y	0.0036	-0.0098	-0.0004	0.0067	0.0009	0.0073
		Z	-0.0049	-0.0021	-0.0161	0.0126	-0.0039	0.0075
AT. 114	O	X	-0.0049	-0.0060	0.0017	0.0055	-0.0069	0.0050
		Y	-0.0036	0.0098	0.0004	-0.0067	0.0009	-0.0073
		Z	-0.0049	-0.0021	-0.0161	0.0126	0.0039	0.0075
AT. 115	O	X	0.0049	0.0060	0.0017	0.0055	-0.0069	-0.0050

	Y	-0.0036	0.0098	-0.0004	0.0067	-0.0009	-0.0073
	Z	0.0049	0.0021	-0.0161	0.0126	0.0039	-0.0075
AT. 116 O	X	-0.0049	-0.0060	-0.0017	-0.0055	-0.0069	0.0050
	Y	0.0036	-0.0098	0.0004	-0.0067	-0.0009	0.0073
	Z	0.0049	0.0021	-0.0161	0.0126	-0.0039	-0.0075
AT. 117 O	X	-0.0081	0.0031	-0.0010	-0.0015	-0.0012	-0.0026
	Y	-0.0056	0.0030	0.0059	-0.0011	-0.0123	-0.0029
	Z	0.0064	-0.0049	-0.0001	0.0030	0.0058	-0.0016
AT. 118 O	X	0.0081	-0.0031	0.0010	0.0015	-0.0012	0.0026
	Y	0.0056	-0.0030	-0.0059	0.0011	-0.0123	0.0029
	Z	0.0064	-0.0049	-0.0001	0.0030	-0.0058	-0.0016
AT. 119 O	X	-0.0081	0.0031	0.0010	0.0015	-0.0012	-0.0026
	Y	0.0056	-0.0030	0.0059	-0.0011	0.0123	0.0029
	Z	-0.0064	0.0049	-0.0001	0.0030	-0.0058	0.0016
AT. 120 O	X	0.0081	-0.0031	-0.0010	-0.0015	-0.0012	0.0026
	Y	-0.0056	0.0030	-0.0059	0.0011	0.0123	-0.0029
	Z	-0.0064	0.0049	-0.0001	0.0030	0.0058	0.0016
AT. 121 O	X	0.0081	0.0031	0.0010	-0.0015	-0.0012	0.0026
	Y	0.0056	0.0030	-0.0059	-0.0011	-0.0123	0.0029
	Z	-0.0064	-0.0049	0.0001	0.0030	0.0058	0.0016
AT. 122 O	X	-0.0081	-0.0031	-0.0010	0.0015	-0.0012	-0.0026
	Y	-0.0056	-0.0030	0.0059	0.0011	-0.0123	-0.0029
	Z	-0.0064	-0.0049	0.0001	0.0030	-0.0058	0.0016
AT. 123 O	X	0.0081	0.0031	-0.0010	0.0015	-0.0012	0.0026
	Y	-0.0056	-0.0030	-0.0059	-0.0011	0.0123	-0.0029
	Z	0.0064	0.0049	0.0001	0.0030	-0.0058	-0.0016
AT. 124 O	X	-0.0081	-0.0031	0.0010	-0.0015	-0.0012	-0.0026
	Y	0.0056	0.0030	0.0059	0.0011	0.0123	0.0029
	Z	0.0064	0.0049	0.0001	0.0030	0.0058	-0.0016

FREQ(CM**-1)	271.54	273.61	274.24	275.12	275.24	275.25
AT. 1 SI X	0.0001	0.0082	-0.0107	0.0062	-0.0136	-0.0060
Y	-0.0032	-0.0039	0.0080	-0.0035	0.0062	0.0078
Z	0.0030	-0.0079	0.0073	-0.0052	0.0025	0.0026
AT. 2 SI X	0.0001	-0.0082	0.0107	0.0062	-0.0136	0.0060
Y	-0.0032	0.0039	-0.0080	-0.0035	0.0062	-0.0078
Z	-0.0030	-0.0079	0.0073	0.0052	-0.0025	0.0026
AT. 3 SI X	-0.0001	-0.0082	0.0107	0.0062	0.0136	-0.0060
Y	-0.0032	-0.0039	0.0080	0.0035	0.0062	-0.0078
Z	0.0030	-0.0079	0.0073	0.0052	0.0025	-0.0026
AT. 4 SI X	-0.0001	0.0082	-0.0107	0.0062	0.0136	0.0060
Y	-0.0032	0.0039	-0.0080	0.0035	0.0062	0.0078
Z	-0.0030	-0.0079	0.0073	-0.0052	-0.0025	-0.0026
AT. 5 SI X	0.0001	0.0082	0.0107	0.0062	0.0136	-0.0060
Y	-0.0032	-0.0039	-0.0080	-0.0035	-0.0062	0.0078
Z	0.0030	-0.0079	-0.0073	-0.0052	-0.0025	0.0026
AT. 6 SI X	0.0001	-0.0082	-0.0107	0.0062	0.0136	0.0060
Y	-0.0032	0.0039	0.0080	-0.0035	-0.0062	-0.0078
Z	-0.0030	-0.0079	-0.0073	0.0052	0.0025	0.0026
AT. 7 SI X	-0.0001	-0.0082	-0.0107	0.0062	-0.0136	-0.0060
Y	-0.0032	-0.0039	-0.0080	0.0035	-0.0062	-0.0078
Z	0.0030	-0.0079	-0.0073	0.0052	-0.0025	-0.0026
AT. 8 SI X	-0.0001	0.0082	0.0107	0.0062	-0.0136	0.0060
Y	-0.0032	0.0039	0.0080	0.0035	-0.0062	0.0078
Z	-0.0030	-0.0079	-0.0073	-0.0052	0.0025	-0.0026
AT. 9 SI X	-0.0016	-0.0070	-0.0001	0.0007	0.0023	0.0048
Y	0.0064	0.0059	0.0092	-0.0058	0.0032	-0.0005
Z	-0.0061	0.0018	-0.0026	0.0011	0.0009	0.0041
AT. 10 SI X	-0.0016	0.0070	0.0001	0.0007	0.0023	-0.0048
Y	0.0064	-0.0059	-0.0092	-0.0058	0.0032	0.0005

		Z	0.0061	0.0018	-0.0026	-0.0011	-0.0009	0.0041
AT.	11 SI	X	0.0016	0.0070	0.0001	0.0007	-0.0023	0.0048
		Y	0.0064	0.0059	0.0092	0.0058	0.0032	0.0005
		Z	-0.0061	0.0018	-0.0026	-0.0011	0.0009	-0.0041
AT.	12 SI	X	0.0016	-0.0070	-0.0001	0.0007	-0.0023	-0.0048
		Y	0.0064	-0.0059	-0.0092	0.0058	0.0032	-0.0005
		Z	0.0061	0.0018	-0.0026	0.0011	-0.0009	-0.0041
AT.	13 SI	X	-0.0016	-0.0070	0.0001	0.0007	-0.0023	0.0048
		Y	0.0064	0.0059	-0.0092	-0.0058	-0.0032	-0.0005
		Z	-0.0061	0.0018	0.0026	0.0011	-0.0009	0.0041
AT.	14 SI	X	-0.0016	0.0070	-0.0001	0.0007	-0.0023	-0.0048
		Y	0.0064	-0.0059	0.0092	-0.0058	-0.0032	0.0005
		Z	0.0061	0.0018	0.0026	-0.0011	0.0009	0.0041
AT.	15 SI	X	0.0016	0.0070	-0.0001	0.0007	0.0023	0.0048
		Y	0.0064	0.0059	-0.0092	0.0058	-0.0032	0.0005
		Z	-0.0061	0.0018	0.0026	-0.0011	-0.0009	-0.0041
AT.	16 SI	X	0.0016	-0.0070	0.0001	0.0007	0.0023	-0.0048
		Y	0.0064	-0.0059	0.0092	0.0058	-0.0032	-0.0005
		Z	0.0061	0.0018	0.0026	0.0011	0.0009	-0.0041
AT.	17 SI	X	0.0000	-0.0037	-0.0113	0.0058	0.0000	0.0000
		Y	0.0059	0.0000	0.0000	0.0000	-0.0024	-0.0039
		Z	0.0000	0.0037	-0.0025	0.0051	0.0000	0.0000
AT.	18 SI	X	0.0000	0.0037	0.0113	0.0058	0.0000	0.0000
		Y	0.0059	0.0000	0.0000	0.0000	-0.0024	0.0039
		Z	0.0000	0.0037	-0.0025	-0.0051	0.0000	0.0000
AT.	19 SI	X	0.0000	-0.0037	0.0113	0.0058	0.0000	0.0000
		Y	0.0059	0.0000	0.0000	0.0000	0.0024	-0.0039
		Z	0.0000	0.0037	0.0025	0.0051	0.0000	0.0000
AT.	20 SI	X	0.0000	0.0037	-0.0113	0.0058	0.0000	0.0000
		Y	0.0059	0.0000	0.0000	0.0000	0.0024	0.0039
		Z	0.0000	0.0037	0.0025	-0.0051	0.0000	0.0000
AT.	21 CA	X	0.0054	0.0047	0.0110	-0.0093	0.0129	0.0106
		Y	0.0132	0.0087	0.0055	-0.0048	0.0022	0.0078
		Z	-0.0061	0.0045	0.0040	-0.0013	0.0028	-0.0011
AT.	22 CA	X	0.0054	-0.0047	-0.0110	-0.0093	0.0129	-0.0106
		Y	0.0132	-0.0087	-0.0055	-0.0048	0.0022	-0.0078
		Z	0.0061	0.0045	0.0040	0.0013	-0.0028	-0.0011
AT.	23 CA	X	-0.0054	-0.0047	-0.0110	-0.0093	-0.0129	0.0106
		Y	0.0132	0.0087	0.0055	0.0048	0.0022	-0.0078
		Z	-0.0061	0.0045	0.0040	0.0013	0.0028	0.0011
AT.	24 CA	X	-0.0054	0.0047	0.0110	-0.0093	-0.0129	-0.0106
		Y	0.0132	-0.0087	-0.0055	0.0048	0.0022	0.0078
		Z	0.0061	0.0045	0.0040	-0.0013	-0.0028	0.0011
AT.	25 CA	X	0.0054	0.0047	-0.0110	-0.0093	-0.0129	0.0106
		Y	0.0132	0.0087	-0.0055	-0.0048	-0.0022	0.0078
		Z	-0.0061	0.0045	-0.0040	-0.0013	-0.0028	-0.0011
AT.	26 CA	X	0.0054	-0.0047	0.0110	-0.0093	-0.0129	-0.0106
		Y	0.0132	-0.0087	0.0055	-0.0048	-0.0022	-0.0078
		Z	0.0061	0.0045	-0.0040	0.0013	0.0028	-0.0011
AT.	27 CA	X	-0.0054	-0.0047	0.0110	-0.0093	0.0129	0.0106
		Y	0.0132	0.0087	-0.0055	0.0048	-0.0022	-0.0078
		Z	-0.0061	0.0045	-0.0040	0.0013	-0.0028	0.0011
AT.	28 CA	X	-0.0054	0.0047	-0.0110	-0.0093	0.0129	-0.0106
		Y	0.0132	-0.0087	0.0055	0.0048	-0.0022	0.0078
		Z	0.0061	0.0045	-0.0040	-0.0013	0.0028	0.0011
AT.	29 CA	X	0.0045	-0.0113	0.0000	-0.0054	0.0000	0.0000
		Y	-0.0108	-0.0041	0.0000	-0.0088	0.0000	0.0028
		Z	0.0058	0.0111	0.0000	0.0082	0.0000	-0.0070
AT.	30 CA	X	0.0045	0.0113	0.0000	-0.0054	0.0000	0.0000
		Y	-0.0108	0.0041	0.0000	-0.0088	0.0000	-0.0028
		Z	-0.0058	0.0111	0.0000	-0.0082	0.0000	-0.0070

AT. 31	CA	X	-0.0045	0.0113	0.0000	-0.0054	0.0000	0.0000
		Y	-0.0108	-0.0041	0.0000	0.0088	0.0000	-0.0028
		Z	0.0058	0.0111	0.0000	-0.0082	0.0000	0.0070
AT. 32	CA	X	-0.0045	-0.0113	0.0000	-0.0054	0.0000	0.0000
		Y	-0.0108	0.0041	0.0000	0.0088	0.0000	0.0028
		Z	-0.0058	0.0111	0.0000	0.0082	0.0000	0.0070
AT. 33	CA	X	0.0038	0.0033	0.0092	-0.0071	0.0115	0.0047
		Y	-0.0025	-0.0002	-0.0070	0.0070	-0.0063	-0.0041
		Z	0.0033	0.0044	0.0005	0.0032	0.0001	-0.0072
AT. 34	CA	X	0.0038	-0.0033	-0.0092	-0.0071	0.0115	-0.0047
		Y	-0.0025	0.0002	0.0070	0.0070	-0.0063	0.0041
		Z	-0.0033	0.0044	0.0005	-0.0032	-0.0001	-0.0072
AT. 35	CA	X	-0.0038	-0.0033	-0.0092	-0.0071	-0.0115	0.0047
		Y	-0.0025	-0.0002	-0.0070	-0.0070	-0.0063	0.0041
		Z	0.0033	0.0044	0.0005	-0.0032	0.0001	0.0072
AT. 36	CA	X	-0.0038	0.0033	0.0092	-0.0071	-0.0115	-0.0047
		Y	-0.0025	0.0002	0.0070	-0.0070	-0.0063	-0.0041
		Z	-0.0033	0.0044	0.0005	0.0032	-0.0001	0.0072
AT. 37	CA	X	0.0038	0.0033	-0.0092	-0.0071	-0.0115	0.0047
		Y	-0.0025	-0.0002	0.0070	0.0070	0.0063	-0.0041
		Z	0.0033	0.0044	-0.0005	0.0032	-0.0001	-0.0072
AT. 38	CA	X	0.0038	-0.0033	0.0092	-0.0071	-0.0115	-0.0047
		Y	-0.0025	0.0002	-0.0070	0.0070	0.0063	0.0041
		Z	-0.0033	0.0044	-0.0005	-0.0032	0.0001	-0.0072
AT. 39	CA	X	-0.0038	-0.0033	0.0092	-0.0071	0.0115	0.0047
		Y	-0.0025	-0.0002	0.0070	-0.0070	0.0063	0.0041
		Z	0.0033	0.0044	-0.0005	-0.0032	-0.0001	0.0072
AT. 40	CA	X	-0.0038	0.0033	-0.0092	-0.0071	0.0115	-0.0047
		Y	-0.0025	0.0002	-0.0070	-0.0070	0.0063	-0.0041
		Z	-0.0033	0.0044	-0.0005	0.0032	0.0001	0.0072
AT. 41	CA	X	-0.0010	-0.0112	0.0111	-0.0065	-0.0035	-0.0090
		Y	-0.0026	-0.0115	0.0007	0.0009	-0.0016	-0.0055
		Z	0.0010	-0.0020	-0.0012	0.0007	0.0101	0.0037
AT. 42	CA	X	-0.0010	0.0112	-0.0111	-0.0065	-0.0035	0.0090
		Y	-0.0026	0.0115	-0.0007	0.0009	-0.0016	0.0055
		Z	-0.0010	-0.0020	-0.0012	-0.0007	-0.0101	0.0037
AT. 43	CA	X	0.0010	0.0112	-0.0111	-0.0065	0.0035	-0.0090
		Y	-0.0026	-0.0115	0.0007	-0.0009	-0.0016	0.0055
		Z	0.0010	-0.0020	-0.0012	-0.0007	0.0101	-0.0037
AT. 44	CA	X	0.0010	-0.0112	0.0111	-0.0065	0.0035	0.0090
		Y	-0.0026	0.0115	-0.0007	-0.0009	-0.0016	-0.0055
		Z	-0.0010	-0.0020	-0.0012	0.0007	-0.0101	-0.0037
AT. 45	CA	X	-0.0010	-0.0112	-0.0111	-0.0065	0.0035	-0.0090
		Y	-0.0026	-0.0115	-0.0007	0.0009	0.0016	-0.0055
		Z	0.0010	-0.0020	0.0012	0.0007	-0.0101	0.0037
AT. 46	CA	X	-0.0010	0.0112	0.0111	-0.0065	0.0035	0.0090
		Y	-0.0026	0.0115	0.0007	0.0009	0.0016	0.0055
		Z	-0.0010	-0.0020	0.0012	-0.0007	0.0101	0.0037
AT. 47	CA	X	0.0010	0.0112	0.0111	-0.0065	-0.0035	-0.0090
		Y	-0.0026	-0.0115	-0.0007	-0.0009	0.0016	0.0055
		Z	0.0010	-0.0020	0.0012	-0.0007	-0.0101	-0.0037
AT. 48	CA	X	0.0010	-0.0112	-0.0111	-0.0065	-0.0035	0.0090
		Y	-0.0026	0.0115	0.0007	-0.0009	0.0016	-0.0055
		Z	-0.0010	-0.0020	0.0012	0.0007	0.0101	-0.0037
AT. 49	CA	X	0.0000	0.0064	-0.0017	0.0030	0.0000	0.0000
		Y	-0.0180	0.0000	0.0000	0.0000	0.0065	-0.0075
		Z	0.0000	-0.0074	0.0012	-0.0029	0.0000	0.0000
AT. 50	CA	X	0.0000	-0.0064	0.0017	0.0030	0.0000	0.0000
		Y	-0.0180	0.0000	0.0000	0.0000	0.0065	0.0075
		Z	0.0000	-0.0074	0.0012	0.0029	0.0000	0.0000
AT. 51	CA	X	0.0000	0.0064	0.0017	0.0030	0.0000	0.0000

		Y	-0.0180	0.0000	0.0000	0.0000	-0.0065	-0.0075
		Z	0.0000	-0.0074	-0.0012	-0.0029	0.0000	0.0000
AT.	52	CA X	0.0000	-0.0064	-0.0017	0.0030	0.0000	0.0000
		Y	-0.0180	0.0000	0.0000	0.0000	-0.0065	0.0075
		Z	0.0000	-0.0074	-0.0012	0.0029	0.0000	0.0000
AT.	53	O X	-0.0055	0.0099	-0.0050	0.0089	-0.0090	-0.0070
		Y	-0.0031	-0.0044	0.0043	-0.0043	0.0031	0.0077
		Z	-0.0139	-0.0156	0.0110	-0.0244	0.0132	0.0204
AT.	54	O X	-0.0055	-0.0099	0.0050	0.0089	-0.0090	0.0070
		Y	-0.0031	0.0044	-0.0043	-0.0043	0.0031	-0.0077
		Z	0.0139	-0.0156	0.0110	0.0244	-0.0132	0.0204
AT.	55	O X	0.0055	-0.0099	0.0050	0.0089	0.0090	-0.0070
		Y	-0.0031	-0.0044	0.0043	0.0043	0.0031	-0.0077
		Z	-0.0139	-0.0156	0.0110	0.0244	0.0132	-0.0204
AT.	56	O X	0.0055	0.0099	-0.0050	0.0089	0.0090	0.0070
		Y	-0.0031	0.0044	-0.0043	0.0043	0.0031	0.0077
		Z	0.0139	-0.0156	0.0110	-0.0244	-0.0132	-0.0204
AT.	57	O X	-0.0055	0.0099	0.0050	0.0089	0.0090	-0.0070
		Y	-0.0031	-0.0044	-0.0043	-0.0043	-0.0031	0.0077
		Z	-0.0139	-0.0156	-0.0110	-0.0244	-0.0132	0.0204
AT.	58	O X	-0.0055	-0.0099	-0.0050	0.0089	0.0090	0.0070
		Y	-0.0031	0.0044	0.0043	-0.0043	-0.0031	-0.0077
		Z	0.0139	-0.0156	-0.0110	0.0244	0.0132	0.0204
AT.	59	O X	0.0055	-0.0099	-0.0050	0.0089	-0.0090	-0.0070
		Y	-0.0031	-0.0044	-0.0043	0.0043	-0.0031	-0.0077
		Z	-0.0139	-0.0156	-0.0110	0.0244	-0.0132	-0.0204
AT.	60	O X	0.0055	0.0099	0.0050	0.0089	-0.0090	0.0070
		Y	-0.0031	0.0044	0.0043	0.0043	-0.0031	0.0077
		Z	0.0139	-0.0156	-0.0110	-0.0244	0.0132	-0.0204
AT.	61	O X	-0.0005	0.0057	-0.0142	0.0051	-0.0113	-0.0075
		Y	-0.0183	-0.0165	0.0087	-0.0225	0.0113	0.0244
		Z	0.0112	-0.0005	0.0036	0.0065	0.0005	-0.0082
AT.	62	O X	-0.0005	-0.0057	0.0142	0.0051	-0.0113	0.0075
		Y	-0.0183	0.0165	-0.0087	-0.0225	0.0113	-0.0244
		Z	-0.0112	-0.0005	0.0036	-0.0065	-0.0005	-0.0082
AT.	63	O X	0.0005	-0.0057	0.0142	0.0051	0.0113	-0.0075
		Y	-0.0183	-0.0165	0.0087	0.0225	0.0113	-0.0244
		Z	0.0112	-0.0005	0.0036	-0.0065	0.0005	0.0082
AT.	64	O X	0.0005	0.0057	-0.0142	0.0051	0.0113	0.0075
		Y	-0.0183	0.0165	-0.0087	0.0225	0.0113	0.0244
		Z	-0.0112	-0.0005	0.0036	0.0065	-0.0005	0.0082
AT.	65	O X	-0.0005	0.0057	0.0142	0.0051	0.0113	-0.0075
		Y	-0.0183	-0.0165	-0.0087	-0.0225	-0.0113	0.0244
		Z	0.0112	-0.0005	-0.0036	0.0065	-0.0005	-0.0082
AT.	66	O X	-0.0005	-0.0057	-0.0142	0.0051	0.0113	0.0075
		Y	-0.0183	0.0165	0.0087	-0.0225	-0.0113	-0.0244
		Z	-0.0112	-0.0005	-0.0036	-0.0065	0.0005	-0.0082
AT.	67	O X	0.0005	-0.0057	-0.0142	0.0051	-0.0113	-0.0075
		Y	-0.0183	-0.0165	-0.0087	0.0225	-0.0113	-0.0244
		Z	0.0112	-0.0005	-0.0036	-0.0065	-0.0005	0.0082
AT.	68	O X	0.0005	0.0057	0.0142	0.0051	-0.0113	0.0075
		Y	-0.0183	0.0165	0.0087	0.0225	-0.0113	0.0244
		Z	-0.0112	-0.0005	-0.0036	0.0065	0.0005	0.0082
AT.	69	O X	0.0063	0.0105	-0.0144	0.0087	-0.0209	-0.0045
		Y	0.0168	0.0072	-0.0031	0.0149	-0.0040	-0.0095
		Z	0.0106	0.0001	0.0014	0.0051	-0.0014	-0.0070
AT.	70	O X	0.0063	-0.0105	0.0144	0.0087	-0.0209	0.0045
		Y	0.0168	-0.0072	0.0031	0.0149	-0.0040	0.0095
		Z	-0.0106	0.0001	0.0014	-0.0051	0.0014	-0.0070
AT.	71	O X	-0.0063	-0.0105	0.0144	0.0087	0.0209	-0.0045
		Y	0.0168	0.0072	-0.0031	-0.0149	-0.0040	0.0095

		Z	0.0106	0.0001	0.0014	-0.0051	-0.0014	0.0070
AT.	72 O	X	-0.0063	0.0105	-0.0144	0.0087	0.0209	0.0045
		Y	0.0168	-0.0072	0.0031	-0.0149	-0.0040	-0.0095
		Z	-0.0106	0.0001	0.0014	0.0051	0.0014	0.0070
AT.	73 O	X	0.0063	0.0105	0.0144	0.0087	0.0209	-0.0045
		Y	0.0168	0.0072	0.0031	0.0149	0.0040	-0.0095
		Z	0.0106	0.0001	-0.0014	0.0051	0.0014	-0.0070
AT.	74 O	X	0.0063	-0.0105	-0.0144	0.0087	0.0209	0.0045
		Y	0.0168	-0.0072	-0.0031	0.0149	0.0040	0.0095
		Z	-0.0106	0.0001	-0.0014	-0.0051	-0.0014	-0.0070
AT.	75 O	X	-0.0063	-0.0105	-0.0144	0.0087	-0.0209	-0.0045
		Y	0.0168	0.0072	0.0031	-0.0149	0.0040	0.0095
		Z	0.0106	0.0001	-0.0014	-0.0051	0.0014	0.0070
AT.	76 O	X	-0.0063	0.0105	0.0144	0.0087	-0.0209	0.0045
		Y	0.0168	-0.0072	-0.0031	-0.0149	0.0040	-0.0095
		Z	-0.0106	0.0001	-0.0014	0.0051	-0.0014	0.0070
AT.	77 O	X	-0.0001	0.0088	-0.0119	0.0071	-0.0152	-0.0070
		Y	-0.0179	-0.0010	0.0103	0.0016	0.0049	-0.0026
		Z	0.0023	-0.0001	0.0026	-0.0018	-0.0085	0.0085
AT.	78 O	X	-0.0001	-0.0088	0.0119	0.0071	-0.0152	0.0070
		Y	-0.0179	0.0010	-0.0103	0.0016	0.0049	0.0026
		Z	-0.0023	-0.0001	0.0026	0.0018	0.0085	0.0085
AT.	79 O	X	0.0001	-0.0088	0.0119	0.0071	0.0152	-0.0070
		Y	-0.0179	-0.0010	0.0103	-0.0016	0.0049	0.0026
		Z	0.0023	-0.0001	0.0026	0.0018	-0.0085	-0.0085
AT.	80 O	X	0.0001	0.0088	-0.0119	0.0071	0.0152	0.0070
		Y	-0.0179	0.0010	-0.0103	-0.0016	0.0049	-0.0026
		Z	-0.0023	-0.0001	0.0026	-0.0018	0.0085	-0.0085
AT.	81 O	X	-0.0001	0.0088	0.0119	0.0071	0.0152	-0.0070
		Y	-0.0179	-0.0010	-0.0103	0.0016	-0.0049	-0.0026
		Z	0.0023	-0.0001	-0.0026	-0.0018	0.0085	0.0085
AT.	82 O	X	-0.0001	-0.0088	-0.0119	0.0071	0.0152	0.0070
		Y	-0.0179	0.0010	0.0103	0.0016	-0.0049	0.0026
		Z	-0.0023	-0.0001	-0.0026	0.0018	-0.0085	0.0085
AT.	83 O	X	0.0001	-0.0088	-0.0119	0.0071	-0.0152	-0.0070
		Y	-0.0179	-0.0010	-0.0103	-0.0016	-0.0049	0.0026
		Z	0.0023	-0.0001	-0.0026	0.0018	0.0085	-0.0085
AT.	84 O	X	0.0001	0.0088	0.0119	0.0071	-0.0152	0.0070
		Y	-0.0179	0.0010	0.0103	-0.0016	-0.0049	-0.0026
		Z	-0.0023	-0.0001	-0.0026	-0.0018	-0.0085	-0.0085
AT.	85 O	X	0.0012	-0.0047	-0.0044	0.0072	-0.0042	0.0009
		Y	0.0097	0.0123	0.0025	-0.0018	-0.0056	-0.0087
		Z	-0.0059	-0.0008	-0.0020	0.0030	0.0009	0.0053
AT.	86 O	X	0.0012	0.0047	0.0044	0.0072	-0.0042	-0.0009
		Y	0.0097	-0.0123	-0.0025	-0.0018	-0.0056	0.0087
		Z	0.0059	-0.0008	-0.0020	-0.0030	-0.0009	0.0053
AT.	87 O	X	-0.0012	0.0047	0.0044	0.0072	0.0042	0.0009
		Y	0.0097	0.0123	0.0025	0.0018	-0.0056	0.0087
		Z	-0.0059	-0.0008	-0.0020	-0.0030	0.0009	-0.0053
AT.	88 O	X	-0.0012	-0.0047	-0.0044	0.0072	0.0042	-0.0009
		Y	0.0097	-0.0123	-0.0025	0.0018	-0.0056	-0.0087
		Z	0.0059	-0.0008	-0.0020	0.0030	-0.0009	-0.0053
AT.	89 O	X	0.0012	-0.0047	0.0044	0.0072	0.0042	0.0009
		Y	0.0097	0.0123	-0.0025	-0.0018	0.0056	-0.0087
		Z	-0.0059	-0.0008	0.0020	0.0030	-0.0009	0.0053
AT.	90 O	X	0.0012	0.0047	-0.0044	0.0072	0.0042	-0.0009
		Y	0.0097	-0.0123	0.0025	-0.0018	0.0056	0.0087
		Z	0.0059	-0.0008	0.0020	-0.0030	0.0009	0.0053
AT.	91 O	X	-0.0012	0.0047	-0.0044	0.0072	-0.0042	0.0009
		Y	0.0097	0.0123	-0.0025	0.0018	0.0056	0.0087
		Z	-0.0059	-0.0008	0.0020	-0.0030	-0.0009	-0.0053

AT.	92	O	X	-0.0012	-0.0047	0.0044	0.0072	-0.0042	-0.0009
			Y	0.0097	-0.0123	0.0025	0.0018	0.0056	-0.0087
			Z	0.0059	-0.0008	0.0020	0.0030	0.0009	-0.0053
AT.	93	O	X	-0.0060	-0.0081	0.0085	-0.0055	0.0079	0.0107
			Y	0.0071	0.0060	0.0043	-0.0023	0.0009	-0.0037
			Z	-0.0054	0.0039	-0.0058	0.0054	-0.0060	0.0008
AT.	94	O	X	-0.0060	0.0081	-0.0085	-0.0055	0.0079	-0.0107
			Y	0.0071	-0.0060	-0.0043	-0.0023	0.0009	0.0037
			Z	0.0054	0.0039	-0.0058	-0.0054	0.0060	0.0008
AT.	95	O	X	0.0060	0.0081	-0.0085	-0.0055	-0.0079	0.0107
			Y	0.0071	0.0060	0.0043	0.0023	0.0009	0.0037
			Z	-0.0054	0.0039	-0.0058	-0.0054	-0.0060	-0.0008
AT.	96	O	X	0.0060	-0.0081	0.0085	-0.0055	-0.0079	-0.0107
			Y	0.0071	-0.0060	-0.0043	0.0023	0.0009	-0.0037
			Z	0.0054	0.0039	-0.0058	0.0054	0.0060	-0.0008
AT.	97	O	X	-0.0060	-0.0081	-0.0085	-0.0055	-0.0079	0.0107
			Y	0.0071	0.0060	-0.0043	-0.0023	-0.0009	-0.0037
			Z	-0.0054	0.0039	0.0058	0.0054	0.0060	0.0008
AT.	98	O	X	-0.0060	0.0081	0.0085	-0.0055	-0.0079	-0.0107
			Y	0.0071	-0.0060	0.0043	-0.0023	-0.0009	0.0037
			Z	0.0054	0.0039	0.0058	-0.0054	-0.0060	0.0008
AT.	99	O	X	0.0060	0.0081	0.0085	-0.0055	0.0079	0.0107
			Y	0.0071	0.0060	-0.0043	0.0023	-0.0009	0.0037
			Z	-0.0054	0.0039	0.0058	-0.0054	0.0060	-0.0008
AT.	100	O	X	0.0060	-0.0081	-0.0085	-0.0055	0.0079	-0.0107
			Y	0.0071	-0.0060	0.0043	0.0023	-0.0009	-0.0037
			Z	0.0054	0.0039	0.0058	0.0054	-0.0060	-0.0008
AT.	101	O	X	-0.0012	-0.0133	-0.0149	0.0038	-0.0033	0.0005
			Y	0.0107	0.0037	0.0021	0.0048	0.0012	-0.0034
			Z	-0.0004	-0.0013	-0.0043	0.0085	-0.0016	0.0017
AT.	102	O	X	-0.0012	0.0133	0.0149	0.0038	-0.0033	-0.0005
			Y	0.0107	-0.0037	-0.0021	0.0048	0.0012	0.0034
			Z	0.0004	-0.0013	-0.0043	-0.0085	0.0016	0.0017
AT.	103	O	X	0.0012	0.0133	0.0149	0.0038	0.0033	0.0005
			Y	0.0107	0.0037	0.0021	-0.0048	0.0012	0.0034
			Z	-0.0004	-0.0013	-0.0043	-0.0085	-0.0016	-0.0017
AT.	104	O	X	0.0012	-0.0133	-0.0149	0.0038	0.0033	-0.0005
			Y	0.0107	-0.0037	-0.0021	-0.0048	0.0012	-0.0034
			Z	0.0004	-0.0013	-0.0043	0.0085	0.0016	-0.0017
AT.	105	O	X	-0.0012	-0.0133	0.0149	0.0038	0.0033	0.0005
			Y	0.0107	0.0037	-0.0021	0.0048	-0.0012	-0.0034
			Z	-0.0004	-0.0013	0.0043	0.0085	0.0016	0.0017
AT.	106	O	X	-0.0012	0.0133	-0.0149	0.0038	0.0033	-0.0005
			Y	0.0107	-0.0037	0.0021	0.0048	-0.0012	0.0034
			Z	0.0004	-0.0013	0.0043	-0.0085	-0.0016	0.0017
AT.	107	O	X	0.0012	0.0133	-0.0149	0.0038	-0.0033	0.0005
			Y	0.0107	0.0037	-0.0021	-0.0048	-0.0012	0.0034
			Z	-0.0004	-0.0013	0.0043	-0.0085	0.0016	-0.0017
AT.	108	O	X	0.0012	-0.0133	0.0149	0.0038	-0.0033	-0.0005
			Y	0.0107	-0.0037	0.0021	-0.0048	-0.0012	-0.0034
			Z	0.0004	-0.0013	0.0043	0.0085	-0.0016	-0.0017
AT.	109	O	X	-0.0011	-0.0083	-0.0004	0.0006	0.0022	0.0050
			Y	-0.0037	0.0018	0.0140	-0.0119	0.0117	0.0078
			Z	-0.0045	-0.0037	0.0016	-0.0125	0.0016	0.0039
AT.	110	O	X	-0.0011	0.0083	0.0004	0.0006	0.0022	-0.0050
			Y	-0.0037	-0.0018	-0.0140	-0.0119	0.0117	-0.0078
			Z	0.0045	-0.0037	0.0016	0.0125	-0.0016	0.0039
AT.	111	O	X	0.0011	0.0083	0.0004	0.0006	-0.0022	0.0050
			Y	-0.0037	0.0018	0.0140	0.0119	0.0117	-0.0078
			Z	-0.0045	-0.0037	0.0016	0.0125	0.0016	-0.0039
AT.	112	O	X	0.0011	-0.0083	-0.0004	0.0006	-0.0022	-0.0050

	Y	-0.0037	-0.0018	-0.0140	0.0119	0.0117	0.0078
	Z	0.0045	-0.0037	0.0016	-0.0125	-0.0016	-0.0039
AT. 113 O	X	-0.0011	-0.0083	0.0004	0.0006	-0.0022	0.0050
	Y	-0.0037	0.0018	-0.0140	-0.0119	-0.0117	0.0078
	Z	-0.0045	-0.0037	-0.0016	-0.0125	-0.0016	0.0039
AT. 114 O	X	-0.0011	0.0083	-0.0004	0.0006	-0.0022	-0.0050
	Y	-0.0037	-0.0018	0.0140	-0.0119	-0.0117	-0.0078
	Z	0.0045	-0.0037	-0.0016	0.0125	0.0016	0.0039
AT. 115 O	X	0.0011	0.0083	-0.0004	0.0006	0.0022	0.0050
	Y	-0.0037	0.0018	-0.0140	0.0119	-0.0117	-0.0078
	Z	-0.0045	-0.0037	-0.0016	0.0125	-0.0016	-0.0039
AT. 116 O	X	0.0011	-0.0083	0.0004	0.0006	0.0022	-0.0050
	Y	-0.0037	-0.0018	0.0140	0.0119	-0.0117	0.0078
	Z	0.0045	-0.0037	-0.0016	-0.0125	0.0016	-0.0039
AT. 117 O	X	0.0072	0.0012	-0.0071	0.0067	-0.0103	-0.0108
	Y	0.0039	-0.0065	-0.0098	0.0067	0.0006	-0.0003
	Z	-0.0045	0.0032	0.0020	-0.0013	0.0067	0.0071
AT. 118 O	X	0.0072	-0.0012	0.0071	0.0067	-0.0103	0.0108
	Y	0.0039	0.0065	0.0098	0.0067	0.0006	0.0003
	Z	0.0045	0.0032	0.0020	0.0013	-0.0067	0.0071
AT. 119 O	X	-0.0072	-0.0012	0.0071	0.0067	0.0103	-0.0108
	Y	0.0039	-0.0065	-0.0098	-0.0067	0.0006	0.0003
	Z	-0.0045	0.0032	0.0020	0.0013	0.0067	-0.0071
AT. 120 O	X	-0.0072	0.0012	-0.0071	0.0067	0.0103	0.0108
	Y	0.0039	0.0065	0.0098	-0.0067	0.0006	-0.0003
	Z	0.0045	0.0032	0.0020	-0.0013	-0.0067	-0.0071
AT. 121 O	X	0.0072	0.0012	0.0071	0.0067	0.0103	-0.0108
	Y	0.0039	-0.0065	0.0098	0.0067	-0.0006	-0.0003
	Z	-0.0045	0.0032	-0.0020	-0.0013	-0.0067	0.0071
AT. 122 O	X	0.0072	-0.0012	-0.0071	0.0067	0.0103	0.0108
	Y	0.0039	0.0065	-0.0098	0.0067	-0.0006	0.0003
	Z	0.0045	0.0032	-0.0020	0.0013	0.0067	0.0071
AT. 123 O	X	-0.0072	-0.0012	-0.0071	0.0067	-0.0103	-0.0108
	Y	0.0039	-0.0065	0.0098	-0.0067	-0.0006	0.0003
	Z	-0.0045	0.0032	-0.0020	0.0013	-0.0067	-0.0071
AT. 124 O	X	-0.0072	0.0012	0.0071	0.0067	-0.0103	0.0108
	Y	0.0039	0.0065	-0.0098	-0.0067	-0.0006	-0.0003
	Z	0.0045	0.0032	-0.0020	-0.0013	0.0067	-0.0071

FREQ(CM**-1)	277.97	278.46	279.69	280.24	281.64	282.48
AT. 1 SI X	0.0002	-0.0081	-0.0092	0.0066	0.0057	0.0037
Y	0.0010	0.0033	0.0026	-0.0009	0.0022	-0.0010
Z	-0.0043	-0.0049	0.0066	0.0001	0.0128	-0.0062
AT. 2 SI X	-0.0002	-0.0081	-0.0092	-0.0066	0.0057	0.0037
Y	-0.0010	0.0033	0.0026	0.0009	0.0022	-0.0010
Z	-0.0043	0.0049	-0.0066	0.0001	-0.0128	0.0062
AT. 3 SI X	-0.0002	-0.0081	0.0092	0.0066	0.0057	-0.0037
Y	0.0010	-0.0033	0.0026	0.0009	-0.0022	-0.0010
Z	-0.0043	0.0049	0.0066	-0.0001	-0.0128	-0.0062
AT. 4 SI X	0.0002	-0.0081	0.0092	-0.0066	0.0057	-0.0037
Y	-0.0010	-0.0033	0.0026	-0.0009	-0.0022	-0.0010
Z	-0.0043	-0.0049	-0.0066	-0.0001	0.0128	0.0062
AT. 5 SI X	0.0002	0.0081	-0.0092	0.0066	-0.0057	0.0037
Y	0.0010	-0.0033	0.0026	-0.0009	-0.0022	-0.0010
Z	-0.0043	0.0049	0.0066	0.0001	-0.0128	-0.0062
AT. 6 SI X	-0.0002	0.0081	-0.0092	-0.0066	-0.0057	0.0037
Y	-0.0010	-0.0033	0.0026	0.0009	-0.0022	-0.0010
Z	-0.0043	-0.0049	-0.0066	0.0001	0.0128	0.0062
AT. 7 SI X	-0.0002	0.0081	0.0092	0.0066	-0.0057	-0.0037
Y	0.0010	0.0033	0.0026	0.0009	0.0022	-0.0010

		Z	-0.0043	-0.0049	0.0066	-0.0001	0.0128	-0.0062
AT.	8	SI X	0.0002	0.0081	0.0092	-0.0066	-0.0057	-0.0037
		Y	-0.0010	0.0033	0.0026	-0.0009	0.0022	-0.0010
		Z	-0.0043	0.0049	-0.0066	-0.0001	-0.0128	0.0062
AT.	9	SI X	0.0001	0.0004	0.0045	0.0024	0.0050	-0.0088
		Y	-0.0018	-0.0049	0.0023	-0.0006	-0.0032	0.0042
		Z	0.0033	-0.0006	-0.0057	0.0016	0.0015	-0.0065
AT.	10	SI X	-0.0001	0.0004	0.0045	-0.0024	0.0050	-0.0088
		Y	0.0018	-0.0049	0.0023	0.0006	-0.0032	0.0042
		Z	0.0033	0.0006	0.0057	0.0016	-0.0015	0.0065
AT.	11	SI X	-0.0001	0.0004	-0.0045	0.0024	0.0050	0.0088
		Y	-0.0018	0.0049	0.0023	0.0006	0.0032	0.0042
		Z	0.0033	0.0006	-0.0057	-0.0016	-0.0015	-0.0065
AT.	12	SI X	0.0001	0.0004	-0.0045	-0.0024	0.0050	0.0088
		Y	0.0018	0.0049	0.0023	-0.0006	0.0032	0.0042
		Z	0.0033	-0.0006	0.0057	-0.0016	0.0015	0.0065
AT.	13	SI X	0.0001	-0.0004	0.0045	0.0024	-0.0050	-0.0088
		Y	-0.0018	0.0049	0.0023	-0.0006	0.0032	0.0042
		Z	0.0033	0.0006	-0.0057	0.0016	-0.0015	-0.0065
AT.	14	SI X	-0.0001	-0.0004	0.0045	-0.0024	-0.0050	-0.0088
		Y	0.0018	0.0049	0.0023	0.0006	0.0032	0.0042
		Z	0.0033	-0.0006	0.0057	0.0016	0.0015	0.0065
AT.	15	SI X	-0.0001	-0.0004	-0.0045	0.0024	-0.0050	0.0088
		Y	-0.0018	-0.0049	0.0023	0.0006	-0.0032	0.0042
		Z	0.0033	-0.0006	-0.0057	-0.0016	0.0015	-0.0065
AT.	16	SI X	0.0001	-0.0004	-0.0045	-0.0024	-0.0050	0.0088
		Y	0.0018	-0.0049	0.0023	-0.0006	-0.0032	0.0042
		Z	0.0033	0.0006	0.0057	-0.0016	-0.0015	0.0065
AT.	17	SI X	-0.0038	0.0048	0.0000	0.0000	0.0045	0.0000
		Y	0.0000	0.0000	0.0057	-0.0021	0.0000	0.0053
		Z	0.0069	-0.0060	0.0000	0.0000	-0.0014	0.0000
AT.	18	SI X	0.0038	0.0048	0.0000	0.0000	0.0045	0.0000
		Y	0.0000	0.0000	0.0057	0.0021	0.0000	0.0053
		Z	0.0069	0.0060	0.0000	0.0000	0.0014	0.0000
AT.	19	SI X	-0.0038	-0.0048	0.0000	0.0000	-0.0045	0.0000
		Y	0.0000	0.0000	0.0057	-0.0021	0.0000	0.0053
		Z	0.0069	0.0060	0.0000	0.0000	0.0014	0.0000
AT.	20	SI X	0.0038	-0.0048	0.0000	0.0000	-0.0045	0.0000
		Y	0.0000	0.0000	0.0057	0.0021	0.0000	0.0053
		Z	0.0069	-0.0060	0.0000	0.0000	-0.0014	0.0000
AT.	21	CA X	-0.0049	-0.0026	-0.0093	-0.0074	0.0058	-0.0006
		Y	-0.0009	-0.0053	-0.0059	0.0002	-0.0019	-0.0002
		Z	-0.0015	0.0119	-0.0056	0.0064	-0.0075	0.0084
AT.	22	CA X	0.0049	-0.0026	-0.0093	0.0074	0.0058	-0.0006
		Y	0.0009	-0.0053	-0.0059	-0.0002	-0.0019	-0.0002
		Z	-0.0015	-0.0119	0.0056	0.0064	0.0075	-0.0084
AT.	23	CA X	0.0049	-0.0026	0.0093	-0.0074	0.0058	0.0006
		Y	-0.0009	0.0053	-0.0059	-0.0002	0.0019	-0.0002
		Z	-0.0015	-0.0119	-0.0056	-0.0064	0.0075	0.0084
AT.	24	CA X	-0.0049	-0.0026	0.0093	0.0074	0.0058	0.0006
		Y	0.0009	0.0053	-0.0059	0.0002	0.0019	-0.0002
		Z	-0.0015	0.0119	0.0056	-0.0064	-0.0075	-0.0084
AT.	25	CA X	-0.0049	0.0026	-0.0093	-0.0074	-0.0058	-0.0006
		Y	-0.0009	0.0053	-0.0059	0.0002	0.0019	-0.0002
		Z	-0.0015	-0.0119	-0.0056	0.0064	0.0075	0.0084
AT.	26	CA X	0.0049	0.0026	-0.0093	0.0074	-0.0058	-0.0006
		Y	0.0009	0.0053	-0.0059	-0.0002	0.0019	-0.0002
		Z	-0.0015	0.0119	0.0056	0.0064	-0.0075	-0.0084
AT.	27	CA X	0.0049	0.0026	0.0093	-0.0074	-0.0058	0.0006
		Y	-0.0009	-0.0053	-0.0059	-0.0002	-0.0019	-0.0002
		Z	-0.0015	0.0119	-0.0056	-0.0064	-0.0075	0.0084

AT.	28	CA	X	-0.0049	0.0026	0.0093	0.0074	-0.0058	0.0006
			Y	0.0009	-0.0053	-0.0059	0.0002	-0.0019	-0.0002
			Z	-0.0015	-0.0119	0.0056	-0.0064	0.0075	-0.0084
AT.	29	CA	X	0.0034	0.0000	0.0210	-0.0172	0.0000	-0.0056
			Y	0.0036	0.0000	0.0012	-0.0046	0.0000	0.0010
			Z	-0.0037	0.0000	-0.0154	0.0046	0.0000	-0.0053
AT.	30	CA	X	-0.0034	0.0000	0.0210	0.0172	0.0000	-0.0056
			Y	-0.0036	0.0000	0.0012	0.0046	0.0000	0.0010
			Z	-0.0037	0.0000	0.0154	0.0046	0.0000	0.0053
AT.	31	CA	X	-0.0034	0.0000	-0.0210	-0.0172	0.0000	0.0056
			Y	0.0036	0.0000	0.0012	0.0046	0.0000	0.0010
			Z	-0.0037	0.0000	-0.0154	-0.0046	0.0000	-0.0053
AT.	32	CA	X	0.0034	0.0000	-0.0210	0.0172	0.0000	0.0056
			Y	-0.0036	0.0000	0.0012	-0.0046	0.0000	0.0010
			Z	-0.0037	0.0000	0.0154	-0.0046	0.0000	0.0053
AT.	33	CA	X	-0.0032	0.0046	0.0021	-0.0040	-0.0123	0.0073
			Y	-0.0077	0.0019	-0.0040	0.0072	0.0030	-0.0018
			Z	0.0085	-0.0039	0.0080	-0.0120	-0.0085	0.0043
AT.	34	CA	X	0.0032	0.0046	0.0021	0.0040	-0.0123	0.0073
			Y	0.0077	0.0019	-0.0040	-0.0072	0.0030	-0.0018
			Z	0.0085	0.0039	-0.0080	-0.0120	0.0085	-0.0043
AT.	35	CA	X	0.0032	0.0046	-0.0021	-0.0040	-0.0123	-0.0073
			Y	-0.0077	-0.0019	-0.0040	-0.0072	-0.0030	-0.0018
			Z	0.0085	0.0039	0.0080	0.0120	0.0085	0.0043
AT.	36	CA	X	-0.0032	0.0046	-0.0021	0.0040	-0.0123	-0.0073
			Y	0.0077	-0.0019	-0.0040	0.0072	-0.0030	-0.0018
			Z	0.0085	-0.0039	-0.0080	0.0120	-0.0085	-0.0043
AT.	37	CA	X	-0.0032	-0.0046	0.0021	-0.0040	0.0123	0.0073
			Y	-0.0077	-0.0019	-0.0040	0.0072	-0.0030	-0.0018
			Z	0.0085	0.0039	0.0080	-0.0120	0.0085	0.0043
AT.	38	CA	X	0.0032	-0.0046	0.0021	0.0040	0.0123	0.0073
			Y	0.0077	-0.0019	-0.0040	-0.0072	-0.0030	-0.0018
			Z	0.0085	-0.0039	-0.0080	-0.0120	-0.0085	-0.0043
AT.	39	CA	X	0.0032	-0.0046	-0.0021	-0.0040	0.0123	-0.0073
			Y	-0.0077	0.0019	-0.0040	-0.0072	0.0030	-0.0018
			Z	0.0085	-0.0039	0.0080	0.0120	-0.0085	0.0043
AT.	40	CA	X	-0.0032	-0.0046	-0.0021	0.0040	0.0123	-0.0073
			Y	0.0077	0.0019	-0.0040	0.0072	0.0030	-0.0018
			Z	0.0085	0.0039	-0.0080	0.0120	0.0085	-0.0043
AT.	41	CA	X	0.0042	0.0034	0.0043	-0.0017	0.0041	-0.0091
			Y	0.0027	0.0130	-0.0013	0.0057	0.0009	-0.0131
			Z	0.0036	0.0013	0.0027	-0.0046	-0.0057	0.0054
AT.	42	CA	X	-0.0042	0.0034	0.0043	0.0017	0.0041	-0.0091
			Y	-0.0027	0.0130	-0.0013	-0.0057	0.0009	-0.0131
			Z	0.0036	-0.0013	-0.0027	-0.0046	0.0057	-0.0054
AT.	43	CA	X	-0.0042	0.0034	-0.0043	-0.0017	0.0041	0.0091
			Y	0.0027	-0.0130	-0.0013	-0.0057	-0.0009	-0.0131
			Z	0.0036	-0.0013	0.0027	0.0046	0.0057	0.0054
AT.	44	CA	X	0.0042	0.0034	-0.0043	0.0017	0.0041	0.0091
			Y	-0.0027	-0.0130	-0.0013	0.0057	-0.0009	-0.0131
			Z	0.0036	0.0013	-0.0027	0.0046	-0.0057	-0.0054
AT.	45	CA	X	0.0042	-0.0034	0.0043	-0.0017	-0.0041	-0.0091
			Y	0.0027	-0.0130	-0.0013	0.0057	-0.0009	-0.0131
			Z	0.0036	-0.0013	0.0027	-0.0046	0.0057	0.0054
AT.	46	CA	X	-0.0042	-0.0034	0.0043	0.0017	-0.0041	-0.0091
			Y	-0.0027	-0.0130	-0.0013	-0.0057	-0.0009	-0.0131
			Z	0.0036	0.0013	-0.0027	-0.0046	-0.0057	-0.0054
AT.	47	CA	X	-0.0042	-0.0034	-0.0043	-0.0017	-0.0041	0.0091
			Y	0.0027	0.0130	-0.0013	-0.0057	0.0009	-0.0131
			Z	0.0036	0.0013	0.0027	0.0046	-0.0057	0.0054
AT.	48	CA	X	0.0042	-0.0034	-0.0043	0.0017	-0.0041	0.0091

		Y	-0.0027	0.0130	-0.0013	0.0057	0.0009	-0.0131
		Z	0.0036	-0.0013	-0.0027	0.0046	0.0057	-0.0054
AT.	49	CA X	0.0065	-0.0050	0.0000	0.0000	-0.0078	0.0000
		Y	0.0000	0.0000	-0.0136	-0.0130	0.0000	0.0053
		Z	-0.0092	0.0045	0.0000	0.0000	0.0091	0.0000
AT.	50	CA X	-0.0065	-0.0050	0.0000	0.0000	-0.0078	0.0000
		Y	0.0000	0.0000	-0.0136	0.0130	0.0000	0.0053
		Z	-0.0092	-0.0045	0.0000	0.0000	-0.0091	0.0000
AT.	51	CA X	0.0065	0.0050	0.0000	0.0000	0.0078	0.0000
		Y	0.0000	0.0000	-0.0136	-0.0130	0.0000	0.0053
		Z	-0.0092	-0.0045	0.0000	0.0000	-0.0091	0.0000
AT.	52	CA X	-0.0065	0.0050	0.0000	0.0000	0.0078	0.0000
		Y	0.0000	0.0000	-0.0136	0.0130	0.0000	0.0053
		Z	-0.0092	0.0045	0.0000	0.0000	0.0091	0.0000
AT.	53	O X	0.0032	-0.0114	-0.0125	-0.0026	0.0056	0.0033
		Y	0.0000	0.0035	0.0033	0.0041	0.0029	-0.0001
		Z	0.0040	-0.0052	0.0122	-0.0088	0.0078	0.0031
AT.	54	O X	-0.0032	-0.0114	-0.0125	0.0026	0.0056	0.0033
		Y	0.0000	0.0035	0.0033	-0.0041	0.0029	-0.0001
		Z	0.0040	0.0052	-0.0122	-0.0088	-0.0078	-0.0031
AT.	55	O X	-0.0032	-0.0114	0.0125	-0.0026	0.0056	-0.0033
		Y	0.0000	-0.0035	0.0033	-0.0041	-0.0029	-0.0001
		Z	0.0040	0.0052	0.0122	0.0088	-0.0078	0.0031
AT.	56	O X	0.0032	-0.0114	0.0125	0.0026	0.0056	-0.0033
		Y	0.0000	-0.0035	0.0033	0.0041	-0.0029	-0.0001
		Z	0.0040	-0.0052	-0.0122	0.0088	0.0078	-0.0031
AT.	57	O X	0.0032	0.0114	-0.0125	-0.0026	-0.0056	0.0033
		Y	0.0000	-0.0035	0.0033	0.0041	-0.0029	-0.0001
		Z	0.0040	0.0052	0.0122	-0.0088	-0.0078	0.0031
AT.	58	O X	-0.0032	0.0114	-0.0125	0.0026	-0.0056	0.0033
		Y	0.0000	-0.0035	0.0033	-0.0041	-0.0029	-0.0001
		Z	0.0040	-0.0052	-0.0122	-0.0088	0.0078	-0.0031
AT.	59	O X	-0.0032	0.0114	0.0125	-0.0026	-0.0056	-0.0033
		Y	0.0000	0.0035	0.0033	-0.0041	0.0029	-0.0001
		Z	0.0040	-0.0052	0.0122	0.0088	0.0078	0.0031
AT.	60	O X	0.0032	0.0114	0.0125	0.0026	-0.0056	-0.0033
		Y	0.0000	0.0035	0.0033	0.0041	0.0029	-0.0001
		Z	0.0040	0.0052	-0.0122	0.0088	-0.0078	-0.0031
AT.	61	O X	0.0004	-0.0003	-0.0114	0.0058	-0.0011	0.0062
		Y	0.0073	-0.0002	0.0107	0.0039	0.0118	0.0016
		Z	-0.0077	0.0031	0.0008	-0.0044	-0.0002	-0.0041
AT.	62	O X	-0.0004	-0.0003	-0.0114	-0.0058	-0.0011	0.0062
		Y	-0.0073	-0.0002	0.0107	-0.0039	0.0118	0.0016
		Z	-0.0077	-0.0031	-0.0008	-0.0044	0.0002	0.0041
AT.	63	O X	-0.0004	-0.0003	0.0114	0.0058	-0.0011	-0.0062
		Y	0.0073	0.0002	0.0107	-0.0039	-0.0118	0.0016
		Z	-0.0077	-0.0031	0.0008	0.0044	0.0002	-0.0041
AT.	64	O X	0.0004	-0.0003	0.0114	-0.0058	-0.0011	-0.0062
		Y	-0.0073	0.0002	0.0107	0.0039	-0.0118	0.0016
		Z	-0.0077	0.0031	-0.0008	0.0044	-0.0002	0.0041
AT.	65	O X	0.0004	0.0003	-0.0114	0.0058	0.0011	0.0062
		Y	0.0073	0.0002	0.0107	0.0039	-0.0118	0.0016
		Z	-0.0077	-0.0031	0.0008	-0.0044	0.0002	-0.0041
AT.	66	O X	-0.0004	0.0003	-0.0114	-0.0058	0.0011	0.0062
		Y	-0.0073	0.0002	0.0107	-0.0039	-0.0118	0.0016
		Z	-0.0077	0.0031	-0.0008	-0.0044	-0.0002	0.0041
AT.	67	O X	-0.0004	0.0003	0.0114	0.0058	0.0011	-0.0062
		Y	0.0073	-0.0002	0.0107	-0.0039	0.0118	0.0016
		Z	-0.0077	0.0031	0.0008	0.0044	-0.0002	-0.0041
AT.	68	O X	0.0004	0.0003	0.0114	-0.0058	0.0011	-0.0062
		Y	-0.0073	-0.0002	0.0107	0.0039	0.0118	0.0016

		Z	-0.0077	-0.0031	-0.0008	0.0044	0.0002	0.0041
AT.	69 O	X	-0.0036	-0.0101	-0.0133	0.0246	0.0164	-0.0027
		Y	-0.0118	0.0147	-0.0066	0.0098	-0.0034	-0.0080
		Z	-0.0106	0.0031	-0.0010	-0.0005	0.0041	-0.0052
AT.	70 O	X	0.0036	-0.0101	-0.0133	-0.0246	0.0164	-0.0027
		Y	0.0118	0.0147	-0.0066	-0.0098	-0.0034	-0.0080
		Z	-0.0106	-0.0031	0.0010	-0.0005	-0.0041	0.0052
AT.	71 O	X	0.0036	-0.0101	0.0133	0.0246	0.0164	0.0027
		Y	-0.0118	-0.0147	-0.0066	-0.0098	0.0034	-0.0080
		Z	-0.0106	-0.0031	-0.0010	0.0005	-0.0041	-0.0052
AT.	72 O	X	-0.0036	-0.0101	0.0133	-0.0246	0.0164	0.0027
		Y	0.0118	-0.0147	-0.0066	0.0098	0.0034	-0.0080
		Z	-0.0106	0.0031	0.0010	0.0005	0.0041	0.0052
AT.	73 O	X	-0.0036	0.0101	-0.0133	0.0246	-0.0164	-0.0027
		Y	-0.0118	-0.0147	-0.0066	0.0098	0.0034	-0.0080
		Z	-0.0106	-0.0031	-0.0010	-0.0005	-0.0041	-0.0052
AT.	74 O	X	0.0036	0.0101	-0.0133	-0.0246	-0.0164	-0.0027
		Y	0.0118	-0.0147	-0.0066	-0.0098	0.0034	-0.0080
		Z	-0.0106	0.0031	0.0010	-0.0005	0.0041	0.0052
AT.	75 O	X	0.0036	0.0101	0.0133	0.0246	-0.0164	0.0027
		Y	-0.0118	0.0147	-0.0066	-0.0098	-0.0034	-0.0080
		Z	-0.0106	0.0031	-0.0010	0.0005	0.0041	-0.0052
AT.	76 O	X	-0.0036	0.0101	0.0133	-0.0246	-0.0164	0.0027
		Y	0.0118	0.0147	-0.0066	0.0098	-0.0034	-0.0080
		Z	-0.0106	-0.0031	0.0010	0.0005	-0.0041	0.0052
AT.	77 O	X	0.0006	-0.0089	-0.0106	0.0070	0.0068	0.0040
		Y	0.0074	-0.0121	0.0036	-0.0175	0.0005	0.0088
		Z	-0.0059	-0.0039	-0.0022	0.0159	0.0149	-0.0053
AT.	78 O	X	-0.0006	-0.0089	-0.0106	-0.0070	0.0068	0.0040
		Y	-0.0074	-0.0121	0.0036	0.0175	0.0005	0.0088
		Z	-0.0059	0.0039	0.0022	0.0159	-0.0149	0.0053
AT.	79 O	X	-0.0006	-0.0089	0.0106	0.0070	0.0068	-0.0040
		Y	0.0074	0.0121	0.0036	0.0175	-0.0005	0.0088
		Z	-0.0059	0.0039	-0.0022	-0.0159	-0.0149	-0.0053
AT.	80 O	X	0.0006	-0.0089	0.0106	-0.0070	0.0068	-0.0040
		Y	-0.0074	0.0121	0.0036	-0.0175	-0.0005	0.0088
		Z	-0.0059	-0.0039	0.0022	-0.0159	0.0149	0.0053
AT.	81 O	X	0.0006	0.0089	-0.0106	0.0070	-0.0068	0.0040
		Y	0.0074	0.0121	0.0036	-0.0175	-0.0005	0.0088
		Z	-0.0059	0.0039	-0.0022	0.0159	-0.0149	-0.0053
AT.	82 O	X	-0.0006	0.0089	-0.0106	-0.0070	-0.0068	0.0040
		Y	-0.0074	0.0121	0.0036	0.0175	-0.0005	0.0088
		Z	-0.0059	-0.0039	0.0022	0.0159	0.0149	0.0053
AT.	83 O	X	-0.0006	0.0089	0.0106	0.0070	-0.0068	-0.0040
		Y	0.0074	-0.0121	0.0036	0.0175	0.0005	0.0088
		Z	-0.0059	-0.0039	-0.0022	-0.0159	0.0149	-0.0053
AT.	84 O	X	0.0006	0.0089	0.0106	-0.0070	-0.0068	-0.0040
		Y	-0.0074	-0.0121	0.0036	-0.0175	0.0005	0.0088
		Z	-0.0059	0.0039	0.0022	-0.0159	-0.0149	0.0053
AT.	85 O	X	0.0200	-0.0148	0.0109	-0.0020	-0.0031	-0.0006
		Y	0.0139	-0.0134	0.0057	-0.0074	-0.0127	0.0240
		Z	0.0052	-0.0037	-0.0030	0.0033	0.0007	-0.0109
AT.	86 O	X	-0.0200	-0.0148	0.0109	0.0020	-0.0031	-0.0006
		Y	-0.0139	-0.0134	0.0057	0.0074	-0.0127	0.0240
		Z	0.0052	0.0037	0.0030	0.0033	-0.0007	0.0109
AT.	87 O	X	-0.0200	-0.0148	-0.0109	-0.0020	-0.0031	0.0006
		Y	0.0139	0.0134	0.0057	0.0074	0.0127	0.0240
		Z	0.0052	0.0037	-0.0030	-0.0033	-0.0007	-0.0109
AT.	88 O	X	0.0200	-0.0148	-0.0109	0.0020	-0.0031	0.0006
		Y	-0.0139	0.0134	0.0057	-0.0074	0.0127	0.0240
		Z	0.0052	-0.0037	0.0030	-0.0033	0.0007	0.0109

AT.	89	O	X	0.0200	0.0148	0.0109	-0.0020	0.0031	-0.0006
			Y	0.0139	0.0134	0.0057	-0.0074	0.0127	0.0240
			Z	0.0052	0.0037	-0.0030	0.0033	-0.0007	-0.0109
AT.	90	O	X	-0.0200	0.0148	0.0109	0.0020	0.0031	-0.0006
			Y	-0.0139	0.0134	0.0057	0.0074	0.0127	0.0240
			Z	0.0052	-0.0037	0.0030	0.0033	0.0007	0.0109
AT.	91	O	X	-0.0200	0.0148	-0.0109	-0.0020	0.0031	0.0006
			Y	0.0139	-0.0134	0.0057	0.0074	-0.0127	0.0240
			Z	0.0052	-0.0037	-0.0030	-0.0033	0.0007	-0.0109
AT.	92	O	X	0.0200	0.0148	-0.0109	0.0020	0.0031	0.0006
			Y	-0.0139	-0.0134	0.0057	-0.0074	-0.0127	0.0240
			Z	0.0052	0.0037	0.0030	-0.0033	-0.0007	0.0109
AT.	93	O	X	-0.0134	0.0055	-0.0020	0.0074	0.0143	-0.0191
			Y	0.0030	-0.0071	0.0049	-0.0028	-0.0060	0.0071
			Z	0.0137	-0.0063	-0.0056	0.0010	-0.0040	0.0030
AT.	94	O	X	0.0134	0.0055	-0.0020	-0.0074	0.0143	-0.0191
			Y	-0.0030	-0.0071	0.0049	0.0028	-0.0060	0.0071
			Z	0.0137	0.0063	0.0056	0.0010	0.0040	-0.0030
AT.	95	O	X	0.0134	0.0055	0.0020	0.0074	0.0143	0.0191
			Y	0.0030	0.0071	0.0049	0.0028	0.0060	0.0071
			Z	0.0137	0.0063	-0.0056	-0.0010	0.0040	0.0030
AT.	96	O	X	-0.0134	0.0055	0.0020	-0.0074	0.0143	0.0191
			Y	-0.0030	0.0071	0.0049	-0.0028	0.0060	0.0071
			Z	0.0137	-0.0063	0.0056	-0.0010	-0.0040	-0.0030
AT.	97	O	X	-0.0134	-0.0055	-0.0020	0.0074	-0.0143	-0.0191
			Y	0.0030	0.0071	0.0049	-0.0028	0.0060	0.0071
			Z	0.0137	0.0063	-0.0056	0.0010	0.0040	0.0030
AT.	98	O	X	0.0134	-0.0055	-0.0020	-0.0074	-0.0143	-0.0191
			Y	-0.0030	0.0071	0.0049	0.0028	0.0060	0.0071
			Z	0.0137	-0.0063	0.0056	0.0010	-0.0040	-0.0030
AT.	99	O	X	0.0134	-0.0055	0.0020	0.0074	-0.0143	0.0191
			Y	0.0030	-0.0071	0.0049	0.0028	-0.0060	0.0071
			Z	0.0137	-0.0063	-0.0056	-0.0010	-0.0040	0.0030
AT.	100	O	X	-0.0134	-0.0055	0.0020	-0.0074	-0.0143	0.0191
			Y	-0.0030	-0.0071	0.0049	-0.0028	-0.0060	0.0071
			Z	0.0137	0.0063	0.0056	-0.0010	0.0040	-0.0030
AT.	101	O	X	-0.0088	0.0155	0.0024	0.0019	0.0117	-0.0047
			Y	0.0071	-0.0134	0.0076	-0.0056	-0.0025	-0.0016
			Z	0.0093	-0.0104	0.0007	0.0011	0.0021	-0.0107
AT.	102	O	X	0.0088	0.0155	0.0024	-0.0019	0.0117	-0.0047
			Y	-0.0071	-0.0134	0.0076	0.0056	-0.0025	-0.0016
			Z	0.0093	0.0104	-0.0007	0.0011	-0.0021	0.0107
AT.	103	O	X	0.0088	0.0155	-0.0024	0.0019	0.0117	0.0047
			Y	0.0071	0.0134	0.0076	0.0056	0.0025	-0.0016
			Z	0.0093	0.0104	0.0007	-0.0011	-0.0021	-0.0107
AT.	104	O	X	-0.0088	0.0155	-0.0024	-0.0019	0.0117	0.0047
			Y	-0.0071	0.0134	0.0076	-0.0056	0.0025	-0.0016
			Z	0.0093	-0.0104	-0.0007	-0.0011	0.0021	0.0107
AT.	105	O	X	-0.0088	-0.0155	0.0024	0.0019	-0.0117	-0.0047
			Y	0.0071	0.0134	0.0076	-0.0056	0.0025	-0.0016
			Z	0.0093	0.0104	0.0007	0.0011	-0.0021	-0.0107
AT.	106	O	X	0.0088	-0.0155	0.0024	-0.0019	-0.0117	-0.0047
			Y	-0.0071	0.0134	0.0076	0.0056	0.0025	-0.0016
			Z	0.0093	-0.0104	-0.0007	0.0011	0.0021	0.0107
AT.	107	O	X	0.0088	-0.0155	-0.0024	0.0019	-0.0117	0.0047
			Y	0.0071	-0.0134	0.0076	0.0056	-0.0025	-0.0016
			Z	0.0093	-0.0104	0.0007	-0.0011	0.0021	-0.0107
AT.	108	O	X	-0.0088	-0.0155	-0.0024	-0.0019	-0.0117	0.0047
			Y	-0.0071	-0.0134	0.0076	-0.0056	-0.0025	-0.0016
			Z	0.0093	0.0104	-0.0007	-0.0011	-0.0021	0.0107
AT.	109	O	X	-0.0002	0.0009	0.0055	0.0022	0.0056	-0.0088

	Y	-0.0216	0.0026	-0.0036	0.0034	0.0145	-0.0105
	Z	-0.0184	0.0150	-0.0002	0.0032	0.0022	0.0037
AT. 110 O	X	0.0002	0.0009	0.0055	-0.0022	0.0056	-0.0088
	Y	0.0216	0.0026	-0.0036	-0.0034	0.0145	-0.0105
	Z	-0.0184	-0.0150	0.0002	0.0032	-0.0022	-0.0037
AT. 111 O	X	0.0002	0.0009	-0.0055	0.0022	0.0056	0.0088
	Y	-0.0216	-0.0026	-0.0036	-0.0034	-0.0145	-0.0105
	Z	-0.0184	-0.0150	-0.0002	-0.0032	-0.0022	0.0037
AT. 112 O	X	-0.0002	0.0009	-0.0055	-0.0022	0.0056	0.0088
	Y	0.0216	-0.0026	-0.0036	0.0034	-0.0145	-0.0105
	Z	-0.0184	0.0150	0.0002	-0.0032	0.0022	-0.0037
AT. 113 O	X	-0.0002	-0.0009	0.0055	0.0022	-0.0056	-0.0088
	Y	-0.0216	-0.0026	-0.0036	0.0034	-0.0145	-0.0105
	Z	-0.0184	-0.0150	-0.0002	0.0032	-0.0022	0.0037
AT. 114 O	X	0.0002	-0.0009	0.0055	-0.0022	-0.0056	-0.0088
	Y	0.0216	-0.0026	-0.0036	-0.0034	-0.0145	-0.0105
	Z	-0.0184	0.0150	0.0002	0.0032	0.0022	-0.0037
AT. 115 O	X	0.0002	-0.0009	-0.0055	0.0022	-0.0056	0.0088
	Y	-0.0216	0.0026	-0.0036	-0.0034	0.0145	-0.0105
	Z	-0.0184	0.0150	-0.0002	-0.0032	0.0022	0.0037
AT. 116 O	X	-0.0002	-0.0009	-0.0055	-0.0022	-0.0056	0.0088
	Y	0.0216	0.0026	-0.0036	0.0034	0.0145	-0.0105
	Z	-0.0184	-0.0150	0.0002	-0.0032	-0.0022	-0.0037
AT. 117 O	X	0.0052	-0.0034	0.0009	-0.0013	-0.0028	0.0048
	Y	0.0003	0.0034	0.0043	-0.0053	0.0115	-0.0025
	Z	-0.0039	-0.0005	0.0008	0.0036	-0.0034	0.0018
AT. 118 O	X	-0.0052	-0.0034	0.0009	0.0013	-0.0028	0.0048
	Y	-0.0003	0.0034	0.0043	0.0053	0.0115	-0.0025
	Z	-0.0039	0.0005	-0.0008	0.0036	0.0034	-0.0018
AT. 119 O	X	-0.0052	-0.0034	-0.0009	-0.0013	-0.0028	-0.0048
	Y	0.0003	-0.0034	0.0043	0.0053	-0.0115	-0.0025
	Z	-0.0039	0.0005	0.0008	-0.0036	0.0034	0.0018
AT. 120 O	X	0.0052	-0.0034	-0.0009	0.0013	-0.0028	-0.0048
	Y	-0.0003	-0.0034	0.0043	-0.0053	-0.0115	-0.0025
	Z	-0.0039	-0.0005	-0.0008	-0.0036	-0.0034	-0.0018
AT. 121 O	X	0.0052	0.0034	0.0009	-0.0013	0.0028	0.0048
	Y	0.0003	-0.0034	0.0043	-0.0053	-0.0115	-0.0025
	Z	-0.0039	0.0005	0.0008	0.0036	0.0034	0.0018
AT. 122 O	X	-0.0052	0.0034	0.0009	0.0013	0.0028	0.0048
	Y	-0.0003	-0.0034	0.0043	0.0053	-0.0115	-0.0025
	Z	-0.0039	-0.0005	-0.0008	0.0036	-0.0034	-0.0018
AT. 123 O	X	-0.0052	0.0034	-0.0009	-0.0013	0.0028	-0.0048
	Y	0.0003	0.0034	0.0043	0.0053	0.0115	-0.0025
	Z	-0.0039	-0.0005	0.0008	-0.0036	-0.0034	0.0018
AT. 124 O	X	0.0052	0.0034	-0.0009	0.0013	0.0028	-0.0048
	Y	-0.0003	0.0034	0.0043	-0.0053	0.0115	-0.0025
	Z	-0.0039	0.0005	-0.0008	-0.0036	0.0034	-0.0018

FREQ(CM**-1)	282.92	284.26	284.66	286.79	288.68	289.34
AT. 1 SI X	-0.0020	0.0040	0.0071	0.0038	-0.0063	0.0066
Y	-0.0059	0.0000	0.0021	0.0027	0.0002	0.0051
Z	0.0040	-0.0048	-0.0007	0.0115	0.0053	-0.0072
AT. 2 SI X	-0.0020	0.0040	0.0071	-0.0038	0.0063	-0.0066
Y	-0.0059	0.0000	0.0021	-0.0027	-0.0002	-0.0051
Z	-0.0040	0.0048	0.0007	0.0115	0.0053	-0.0072
AT. 3 SI X	0.0020	0.0040	0.0071	0.0038	0.0063	0.0066
Y	-0.0059	0.0000	-0.0021	-0.0027	0.0002	-0.0051
Z	0.0040	0.0048	0.0007	-0.0115	0.0053	0.0072
AT. 4 SI X	0.0020	0.0040	0.0071	-0.0038	-0.0063	-0.0066
Y	-0.0059	0.0000	-0.0021	0.0027	-0.0002	0.0051

		Z	-0.0040	-0.0048	-0.0007	-0.0115	0.0053	0.0072
AT.	5	SI X	0.0020	-0.0040	0.0071	-0.0038	-0.0063	0.0066
		Y	0.0059	0.0000	0.0021	-0.0027	0.0002	0.0051
		Z	-0.0040	0.0048	-0.0007	-0.0115	0.0053	-0.0072
AT.	6	SI X	0.0020	-0.0040	0.0071	0.0038	0.0063	-0.0066
		Y	0.0059	0.0000	0.0021	0.0027	-0.0002	-0.0051
		Z	0.0040	-0.0048	0.0007	-0.0115	0.0053	-0.0072
AT.	7	SI X	-0.0020	-0.0040	0.0071	-0.0038	0.0063	0.0066
		Y	0.0059	0.0000	-0.0021	0.0027	0.0002	-0.0051
		Z	-0.0040	-0.0048	0.0007	0.0115	0.0053	0.0072
AT.	8	SI X	-0.0020	-0.0040	0.0071	0.0038	-0.0063	-0.0066
		Y	0.0059	0.0000	-0.0021	-0.0027	-0.0002	0.0051
		Z	0.0040	0.0048	-0.0007	0.0115	0.0053	0.0072
AT.	9	SI X	0.0042	-0.0001	-0.0010	0.0073	0.0010	-0.0039
		Y	0.0053	-0.0087	-0.0027	-0.0044	0.0083	-0.0055
		Z	-0.0025	0.0062	0.0032	0.0061	-0.0065	0.0098
AT.	10	SI X	0.0042	-0.0001	-0.0010	-0.0073	-0.0010	0.0039
		Y	0.0053	-0.0087	-0.0027	0.0044	-0.0083	0.0055
		Z	0.0025	-0.0062	-0.0032	0.0061	-0.0065	0.0098
AT.	11	SI X	-0.0042	-0.0001	-0.0010	0.0073	-0.0010	-0.0039
		Y	0.0053	0.0087	0.0027	0.0044	0.0083	0.0055
		Z	-0.0025	-0.0062	-0.0032	-0.0061	-0.0065	-0.0098
AT.	12	SI X	-0.0042	-0.0001	-0.0010	-0.0073	0.0010	0.0039
		Y	0.0053	0.0087	0.0027	-0.0044	-0.0083	-0.0055
		Z	0.0025	0.0062	0.0032	-0.0061	-0.0065	-0.0098
AT.	13	SI X	-0.0042	0.0001	-0.0010	-0.0073	0.0010	-0.0039
		Y	-0.0053	0.0087	-0.0027	0.0044	0.0083	-0.0055
		Z	0.0025	-0.0062	0.0032	-0.0061	-0.0065	0.0098
AT.	14	SI X	-0.0042	0.0001	-0.0010	0.0073	-0.0010	0.0039
		Y	-0.0053	0.0087	-0.0027	-0.0044	-0.0083	0.0055
		Z	-0.0025	0.0062	-0.0032	-0.0061	-0.0065	0.0098
AT.	15	SI X	0.0042	0.0001	-0.0010	-0.0073	-0.0010	-0.0039
		Y	-0.0053	-0.0087	0.0027	-0.0044	0.0083	0.0055
		Z	0.0025	0.0062	-0.0032	0.0061	-0.0065	-0.0098
AT.	16	SI X	0.0042	0.0001	-0.0010	0.0073	0.0010	0.0039
		Y	-0.0053	-0.0087	0.0027	0.0044	-0.0083	-0.0055
		Z	-0.0025	-0.0062	0.0032	0.0061	-0.0065	-0.0098
AT.	17	SI X	0.0000	0.0054	0.0074	0.0000	-0.0077	0.0000
		Y	-0.0012	0.0000	0.0000	-0.0051	0.0000	0.0002
		Z	0.0000	0.0025	-0.0009	0.0000	-0.0015	0.0000
AT.	18	SI X	0.0000	0.0054	0.0074	0.0000	0.0077	0.0000
		Y	-0.0012	0.0000	0.0000	0.0051	0.0000	-0.0002
		Z	0.0000	-0.0025	0.0009	0.0000	-0.0015	0.0000
AT.	19	SI X	0.0000	-0.0054	0.0074	0.0000	-0.0077	0.0000
		Y	0.0012	0.0000	0.0000	0.0051	0.0000	0.0002
		Z	0.0000	-0.0025	-0.0009	0.0000	-0.0015	0.0000
AT.	20	SI X	0.0000	-0.0054	0.0074	0.0000	0.0077	0.0000
		Y	0.0012	0.0000	0.0000	-0.0051	0.0000	-0.0002
		Z	0.0000	0.0025	0.0009	0.0000	-0.0015	0.0000
AT.	21	CA X	-0.0051	0.0051	-0.0046	0.0033	-0.0073	-0.0045
		Y	-0.0097	0.0038	0.0008	-0.0024	-0.0029	0.0055
		Z	0.0009	-0.0029	0.0102	-0.0081	-0.0044	0.0062
AT.	22	CA X	-0.0051	0.0051	-0.0046	-0.0033	0.0073	0.0045
		Y	-0.0097	0.0038	0.0008	0.0024	0.0029	-0.0055
		Z	-0.0009	0.0029	-0.0102	-0.0081	-0.0044	0.0062
AT.	23	CA X	0.0051	0.0051	-0.0046	0.0033	0.0073	-0.0045
		Y	-0.0097	-0.0038	-0.0008	0.0024	-0.0029	-0.0055
		Z	0.0009	0.0029	-0.0102	0.0081	-0.0044	-0.0062
AT.	24	CA X	0.0051	0.0051	-0.0046	-0.0033	-0.0073	0.0045
		Y	-0.0097	-0.0038	-0.0008	-0.0024	0.0029	0.0055
		Z	-0.0009	-0.0029	0.0102	0.0081	-0.0044	-0.0062

AT.	25	CA	X	0.0051	-0.0051	-0.0046	-0.0033	-0.0073	-0.0045
			Y	0.0097	-0.0038	0.0008	0.0024	-0.0029	0.0055
			Z	-0.0009	0.0029	0.0102	0.0081	-0.0044	0.0062
AT.	26	CA	X	0.0051	-0.0051	-0.0046	0.0033	0.0073	0.0045
			Y	0.0097	-0.0038	0.0008	-0.0024	0.0029	-0.0055
			Z	0.0009	-0.0029	-0.0102	0.0081	-0.0044	0.0062
AT.	27	CA	X	-0.0051	-0.0051	-0.0046	-0.0033	0.0073	-0.0045
			Y	0.0097	0.0038	-0.0008	-0.0024	-0.0029	-0.0055
			Z	-0.0009	-0.0029	-0.0102	-0.0081	-0.0044	-0.0062
AT.	28	CA	X	-0.0051	-0.0051	-0.0046	0.0033	-0.0073	0.0045
			Y	0.0097	0.0038	-0.0008	0.0024	0.0029	0.0055
			Z	0.0009	0.0029	0.0102	-0.0081	-0.0044	-0.0062
AT.	29	CA	X	0.0000	0.0000	-0.0175	0.0000	0.0146	-0.0118
			Y	0.0000	0.0000	0.0002	0.0000	-0.0003	0.0068
			Z	0.0000	0.0000	0.0044	0.0000	-0.0111	0.0070
AT.	30	CA	X	0.0000	0.0000	-0.0175	0.0000	-0.0146	0.0118
			Y	0.0000	0.0000	0.0002	0.0000	0.0003	-0.0068
			Z	0.0000	0.0000	-0.0044	0.0000	-0.0111	0.0070
AT.	31	CA	X	0.0000	0.0000	-0.0175	0.0000	-0.0146	-0.0118
			Y	0.0000	0.0000	-0.0002	0.0000	-0.0003	-0.0068
			Z	0.0000	0.0000	-0.0044	0.0000	-0.0111	-0.0070
AT.	32	CA	X	0.0000	0.0000	-0.0175	0.0000	0.0146	0.0118
			Y	0.0000	0.0000	-0.0002	0.0000	0.0003	0.0068
			Z	0.0000	0.0000	0.0044	0.0000	-0.0111	-0.0070
AT.	33	CA	X	0.0030	-0.0077	-0.0024	-0.0104	0.0088	-0.0056
			Y	0.0087	-0.0041	0.0016	0.0022	0.0008	-0.0074
			Z	-0.0100	-0.0006	-0.0108	-0.0067	0.0059	0.0024
AT.	34	CA	X	0.0030	-0.0077	-0.0024	0.0104	-0.0088	0.0056
			Y	0.0087	-0.0041	0.0016	-0.0022	-0.0008	0.0074
			Z	0.0100	0.0006	0.0108	-0.0067	0.0059	0.0024
AT.	35	CA	X	-0.0030	-0.0077	-0.0024	-0.0104	-0.0088	-0.0056
			Y	0.0087	0.0041	-0.0016	-0.0022	0.0008	0.0074
			Z	-0.0100	0.0006	0.0108	0.0067	0.0059	-0.0024
AT.	36	CA	X	-0.0030	-0.0077	-0.0024	0.0104	0.0088	0.0056
			Y	0.0087	0.0041	-0.0016	0.0022	-0.0008	-0.0074
			Z	0.0100	-0.0006	-0.0108	0.0067	0.0059	-0.0024
AT.	37	CA	X	-0.0030	0.0077	-0.0024	0.0104	0.0088	-0.0056
			Y	-0.0087	0.0041	0.0016	-0.0022	0.0008	-0.0074
			Z	0.0100	0.0006	-0.0108	0.0067	0.0059	0.0024
AT.	38	CA	X	-0.0030	0.0077	-0.0024	-0.0104	-0.0088	0.0056
			Y	-0.0087	0.0041	0.0016	0.0022	-0.0008	0.0074
			Z	-0.0100	-0.0006	0.0108	0.0067	0.0059	0.0024
AT.	39	CA	X	0.0030	0.0077	-0.0024	0.0104	-0.0088	-0.0056
			Y	-0.0087	-0.0041	-0.0016	0.0022	0.0008	0.0074
			Z	0.0100	-0.0006	0.0108	-0.0067	0.0059	-0.0024
AT.	40	CA	X	0.0030	0.0077	-0.0024	-0.0104	0.0088	0.0056
			Y	-0.0087	-0.0041	-0.0016	-0.0022	-0.0008	-0.0074
			Z	-0.0100	0.0006	-0.0108	-0.0067	0.0059	-0.0024
AT.	41	CA	X	-0.0023	0.0117	-0.0053	0.0036	-0.0086	0.0021
			Y	0.0146	0.0146	0.0009	0.0051	-0.0136	-0.0133
			Z	0.0006	-0.0009	0.0001	-0.0082	0.0025	0.0000
AT.	42	CA	X	-0.0023	0.0117	-0.0053	-0.0036	0.0086	-0.0021
			Y	0.0146	0.0146	0.0009	-0.0051	0.0136	0.0133
			Z	-0.0006	0.0009	-0.0001	-0.0082	0.0025	0.0000
AT.	43	CA	X	0.0023	0.0117	-0.0053	0.0036	0.0086	0.0021
			Y	0.0146	-0.0146	-0.0009	-0.0051	-0.0136	0.0133
			Z	0.0006	0.0009	-0.0001	0.0082	0.0025	0.0000
AT.	44	CA	X	0.0023	0.0117	-0.0053	-0.0036	-0.0086	-0.0021
			Y	0.0146	-0.0146	-0.0009	0.0051	0.0136	-0.0133
			Z	-0.0006	-0.0009	0.0001	0.0082	0.0025	0.0000
AT.	45	CA	X	0.0023	-0.0117	-0.0053	-0.0036	-0.0086	0.0021

		Y	-0.0146	-0.0146	0.0009	-0.0051	-0.0136	-0.0133
		Z	-0.0006	0.0009	0.0001	0.0082	0.0025	0.0000
AT.	46	CA X	0.0023	-0.0117	-0.0053	0.0036	0.0086	-0.0021
		Y	-0.0146	-0.0146	0.0009	0.0051	0.0136	0.0133
		Z	0.0006	-0.0009	-0.0001	0.0082	0.0025	0.0000
AT.	47	CA X	-0.0023	-0.0117	-0.0053	-0.0036	0.0086	0.0021
		Y	-0.0146	0.0146	-0.0009	0.0051	-0.0136	0.0133
		Z	-0.0006	-0.0009	-0.0001	-0.0082	0.0025	0.0000
AT.	48	CA X	-0.0023	-0.0117	-0.0053	0.0036	-0.0086	-0.0021
		Y	-0.0146	0.0146	-0.0009	-0.0051	0.0136	-0.0133
		Z	0.0006	0.0009	0.0001	-0.0082	0.0025	0.0000
AT.	49	CA X	0.0000	0.0018	-0.0017	0.0000	0.0018	0.0000
		Y	0.0012	0.0000	0.0000	-0.0001	0.0000	-0.0038
		Z	0.0000	0.0006	0.0054	0.0000	-0.0039	0.0000
AT.	50	CA X	0.0000	0.0018	-0.0017	0.0000	-0.0018	0.0000
		Y	0.0012	0.0000	0.0000	0.0001	0.0000	0.0038
		Z	0.0000	-0.0006	-0.0054	0.0000	-0.0039	0.0000
AT.	51	CA X	0.0000	-0.0018	-0.0017	0.0000	0.0018	0.0000
		Y	-0.0012	0.0000	0.0000	0.0001	0.0000	-0.0038
		Z	0.0000	-0.0006	0.0054	0.0000	-0.0039	0.0000
AT.	52	CA X	0.0000	-0.0018	-0.0017	0.0000	-0.0018	0.0000
		Y	-0.0012	0.0000	0.0000	-0.0001	0.0000	0.0038
		Z	0.0000	0.0006	-0.0054	0.0000	-0.0039	0.0000
AT.	53	O X	-0.0118	0.0040	-0.0038	0.0045	-0.0093	0.0100
		Y	-0.0022	0.0001	0.0076	0.0031	0.0011	0.0044
		Z	-0.0018	-0.0030	-0.0001	0.0063	0.0079	0.0039
AT.	54	O X	-0.0118	0.0040	-0.0038	-0.0045	0.0093	-0.0100
		Y	-0.0022	0.0001	0.0076	-0.0031	-0.0011	-0.0044
		Z	0.0018	0.0030	0.0001	0.0063	0.0079	0.0039
AT.	55	O X	0.0118	0.0040	-0.0038	0.0045	0.0093	0.0100
		Y	-0.0022	-0.0001	-0.0076	-0.0031	0.0011	-0.0044
		Z	-0.0018	0.0030	0.0001	-0.0063	0.0079	-0.0039
AT.	56	O X	0.0118	0.0040	-0.0038	-0.0045	-0.0093	-0.0100
		Y	-0.0022	-0.0001	-0.0076	0.0031	-0.0011	0.0044
		Z	0.0018	-0.0030	-0.0001	-0.0063	0.0079	-0.0039
AT.	57	O X	0.0118	-0.0040	-0.0038	-0.0045	-0.0093	0.0100
		Y	0.0022	-0.0001	0.0076	-0.0031	0.0011	0.0044
		Z	0.0018	0.0030	-0.0001	-0.0063	0.0079	0.0039
AT.	58	O X	0.0118	-0.0040	-0.0038	0.0045	0.0093	-0.0100
		Y	0.0022	-0.0001	0.0076	0.0031	-0.0011	-0.0044
		Z	-0.0018	-0.0030	0.0001	-0.0063	0.0079	0.0039
AT.	59	O X	-0.0118	-0.0040	-0.0038	-0.0045	0.0093	0.0100
		Y	0.0022	0.0001	-0.0076	0.0031	0.0011	-0.0044
		Z	0.0018	-0.0030	0.0001	0.0063	0.0079	-0.0039
AT.	60	O X	-0.0118	-0.0040	-0.0038	0.0045	-0.0093	-0.0100
		Y	0.0022	0.0001	-0.0076	-0.0031	-0.0011	0.0044
		Z	-0.0018	0.0030	-0.0001	0.0063	0.0079	-0.0039
AT.	61	O X	0.0062	0.0113	0.0091	-0.0032	-0.0112	0.0083
		Y	0.0025	0.0003	0.0139	0.0116	0.0031	0.0060
		Z	0.0038	-0.0025	-0.0086	-0.0009	0.0024	-0.0089
AT.	62	O X	0.0062	0.0113	0.0091	0.0032	0.0112	-0.0083
		Y	0.0025	0.0003	0.0139	-0.0116	-0.0031	-0.0060
		Z	-0.0038	0.0025	0.0086	-0.0009	0.0024	-0.0089
AT.	63	O X	-0.0062	0.0113	0.0091	-0.0032	0.0112	0.0083
		Y	0.0025	-0.0003	-0.0139	-0.0116	0.0031	-0.0060
		Z	0.0038	0.0025	0.0086	0.0009	0.0024	0.0089
AT.	64	O X	-0.0062	0.0113	0.0091	0.0032	-0.0112	-0.0083
		Y	0.0025	-0.0003	-0.0139	0.0116	-0.0031	0.0060
		Z	-0.0038	-0.0025	-0.0086	0.0009	0.0024	0.0089
AT.	65	O X	-0.0062	-0.0113	0.0091	0.0032	-0.0112	0.0083
		Y	-0.0025	-0.0003	0.0139	-0.0116	0.0031	0.0060

		Z	-0.0038	0.0025	-0.0086	0.0009	0.0024	-0.0089
AT.	66 O	X	-0.0062	-0.0113	0.0091	-0.0032	0.0112	-0.0083
		Y	-0.0025	-0.0003	0.0139	0.0116	-0.0031	-0.0060
		Z	0.0038	-0.0025	0.0086	0.0009	0.0024	-0.0089
AT.	67 O	X	0.0062	-0.0113	0.0091	0.0032	0.0112	0.0083
		Y	-0.0025	0.0003	-0.0139	0.0116	0.0031	-0.0060
		Z	-0.0038	-0.0025	0.0086	-0.0009	0.0024	0.0089
AT.	68 O	X	0.0062	-0.0113	0.0091	-0.0032	-0.0112	-0.0083
		Y	-0.0025	0.0003	-0.0139	-0.0116	-0.0031	0.0060
		Z	0.0038	0.0025	-0.0086	-0.0009	0.0024	0.0089
AT.	69 O	X	0.0046	0.0013	0.0218	0.0130	-0.0095	0.0058
		Y	0.0100	0.0008	0.0048	-0.0019	-0.0035	-0.0057
		Z	0.0099	-0.0033	-0.0046	0.0038	0.0022	-0.0108
AT.	70 O	X	0.0046	0.0013	0.0218	-0.0130	0.0095	-0.0058
		Y	0.0100	0.0008	0.0048	0.0019	0.0035	0.0057
		Z	-0.0099	0.0033	0.0046	0.0038	0.0022	-0.0108
AT.	71 O	X	-0.0046	0.0013	0.0218	0.0130	0.0095	0.0058
		Y	0.0100	-0.0008	-0.0048	0.0019	-0.0035	0.0057
		Z	0.0099	0.0033	0.0046	-0.0038	0.0022	0.0108
AT.	72 O	X	-0.0046	0.0013	0.0218	-0.0130	-0.0095	-0.0058
		Y	0.0100	-0.0008	-0.0048	-0.0019	0.0035	-0.0057
		Z	-0.0099	-0.0033	-0.0046	-0.0038	0.0022	0.0108
AT.	73 O	X	-0.0046	-0.0013	0.0218	-0.0130	-0.0095	0.0058
		Y	-0.0100	-0.0008	0.0048	0.0019	-0.0035	-0.0057
		Z	-0.0099	0.0033	-0.0046	-0.0038	0.0022	-0.0108
AT.	74 O	X	-0.0046	-0.0013	0.0218	0.0130	0.0095	-0.0058
		Y	-0.0100	-0.0008	0.0048	-0.0019	0.0035	0.0057
		Z	0.0099	-0.0033	0.0046	-0.0038	0.0022	-0.0108
AT.	75 O	X	0.0046	-0.0013	0.0218	-0.0130	0.0095	0.0058
		Y	-0.0100	0.0008	-0.0048	-0.0019	-0.0035	0.0057
		Z	-0.0099	-0.0033	0.0046	0.0038	0.0022	0.0108
AT.	76 O	X	0.0046	-0.0013	0.0218	0.0130	-0.0095	-0.0058
		Y	-0.0100	0.0008	-0.0048	0.0019	0.0035	-0.0057
		Z	0.0099	0.0033	-0.0046	0.0038	0.0022	0.0108
AT.	77 O	X	-0.0022	0.0051	0.0076	0.0045	-0.0080	0.0078
		Y	-0.0261	-0.0042	-0.0170	0.0001	0.0029	0.0065
		Z	0.0036	-0.0096	0.0081	0.0137	0.0019	-0.0077
AT.	78 O	X	-0.0022	0.0051	0.0076	-0.0045	0.0080	-0.0078
		Y	-0.0261	-0.0042	-0.0170	-0.0001	-0.0029	-0.0065
		Z	-0.0036	0.0096	-0.0081	0.0137	0.0019	-0.0077
AT.	79 O	X	0.0022	0.0051	0.0076	0.0045	0.0080	0.0078
		Y	-0.0261	0.0042	0.0170	-0.0001	0.0029	-0.0065
		Z	0.0036	0.0096	-0.0081	-0.0137	0.0019	0.0077
AT.	80 O	X	0.0022	0.0051	0.0076	-0.0045	-0.0080	-0.0078
		Y	-0.0261	0.0042	0.0170	0.0001	-0.0029	0.0065
		Z	-0.0036	-0.0096	0.0081	-0.0137	0.0019	0.0077
AT.	81 O	X	0.0022	-0.0051	0.0076	-0.0045	-0.0080	0.0078
		Y	0.0261	0.0042	-0.0170	-0.0001	0.0029	0.0065
		Z	-0.0036	0.0096	0.0081	-0.0137	0.0019	-0.0077
AT.	82 O	X	0.0022	-0.0051	0.0076	0.0045	0.0080	-0.0078
		Y	0.0261	0.0042	-0.0170	0.0001	-0.0029	-0.0065
		Z	0.0036	-0.0096	-0.0081	-0.0137	0.0019	-0.0077
AT.	83 O	X	-0.0022	-0.0051	0.0076	-0.0045	0.0080	0.0078
		Y	0.0261	-0.0042	0.0170	0.0001	0.0029	-0.0065
		Z	-0.0036	-0.0096	-0.0081	0.0137	0.0019	0.0077
AT.	84 O	X	-0.0022	-0.0051	0.0076	0.0045	-0.0080	-0.0078
		Y	0.0261	-0.0042	0.0170	-0.0001	-0.0029	0.0065
		Z	0.0036	0.0096	0.0081	0.0137	0.0019	0.0077
AT.	85 O	X	-0.0037	0.0088	-0.0102	-0.0023	0.0038	0.0063
		Y	-0.0103	0.0024	-0.0031	-0.0193	0.0051	0.0034
		Z	0.0016	0.0038	-0.0019	0.0067	-0.0015	0.0102

AT.	86	O	X	-0.0037	0.0088	-0.0102	0.0023	-0.0038	-0.0063
			Y	-0.0103	0.0024	-0.0031	0.0193	-0.0051	-0.0034
			Z	-0.0016	-0.0038	0.0019	0.0067	-0.0015	0.0102
AT.	87	O	X	0.0037	0.0088	-0.0102	-0.0023	-0.0038	0.0063
			Y	-0.0103	-0.0024	0.0031	0.0193	0.0051	-0.0034
			Z	0.0016	-0.0038	0.0019	-0.0067	-0.0015	-0.0102
AT.	88	O	X	0.0037	0.0088	-0.0102	0.0023	0.0038	-0.0063
			Y	-0.0103	-0.0024	0.0031	-0.0193	-0.0051	0.0034
			Z	-0.0016	0.0038	-0.0019	-0.0067	-0.0015	-0.0102
AT.	89	O	X	0.0037	-0.0088	-0.0102	0.0023	0.0038	0.0063
			Y	0.0103	-0.0024	-0.0031	0.0193	0.0051	0.0034
			Z	-0.0016	-0.0038	-0.0019	-0.0067	-0.0015	0.0102
AT.	90	O	X	0.0037	-0.0088	-0.0102	-0.0023	-0.0038	-0.0063
			Y	0.0103	-0.0024	-0.0031	-0.0193	-0.0051	-0.0034
			Z	0.0016	0.0038	0.0019	-0.0067	-0.0015	0.0102
AT.	91	O	X	-0.0037	-0.0088	-0.0102	0.0023	-0.0038	0.0063
			Y	0.0103	0.0024	0.0031	-0.0193	0.0051	-0.0034
			Z	-0.0016	0.0038	0.0019	0.0067	-0.0015	-0.0102
AT.	92	O	X	-0.0037	-0.0088	-0.0102	-0.0023	0.0038	-0.0063
			Y	0.0103	0.0024	0.0031	0.0193	-0.0051	0.0034
			Z	0.0016	-0.0038	-0.0019	0.0067	-0.0015	-0.0102
AT.	93	O	X	0.0101	-0.0096	0.0009	0.0199	0.0015	-0.0120
			Y	0.0043	-0.0060	-0.0033	-0.0080	0.0088	-0.0028
			Z	-0.0080	0.0150	-0.0016	-0.0015	-0.0092	0.0096
AT.	94	O	X	0.0101	-0.0096	0.0009	-0.0199	-0.0015	0.0120
			Y	0.0043	-0.0060	-0.0033	0.0080	-0.0088	0.0028
			Z	0.0080	-0.0150	0.0016	-0.0015	-0.0092	0.0096
AT.	95	O	X	-0.0101	-0.0096	0.0009	0.0199	-0.0015	-0.0120
			Y	0.0043	0.0060	0.0033	0.0080	0.0088	0.0028
			Z	-0.0080	-0.0150	0.0016	0.0015	-0.0092	-0.0096
AT.	96	O	X	-0.0101	-0.0096	0.0009	-0.0199	0.0015	0.0120
			Y	0.0043	0.0060	0.0033	-0.0080	-0.0088	-0.0028
			Z	0.0080	0.0150	-0.0016	0.0015	-0.0092	-0.0096
AT.	97	O	X	-0.0101	0.0096	0.0009	-0.0199	0.0015	-0.0120
			Y	-0.0043	0.0060	-0.0033	0.0080	0.0088	-0.0028
			Z	0.0080	-0.0150	-0.0016	0.0015	-0.0092	0.0096
AT.	98	O	X	-0.0101	0.0096	0.0009	0.0199	-0.0015	0.0120
			Y	-0.0043	0.0060	-0.0033	-0.0080	-0.0088	0.0028
			Z	-0.0080	0.0150	0.0016	0.0015	-0.0092	0.0096
AT.	99	O	X	0.0101	0.0096	0.0009	-0.0199	-0.0015	-0.0120
			Y	-0.0043	-0.0060	0.0033	-0.0080	0.0088	0.0028
			Z	0.0080	0.0150	0.0016	-0.0015	-0.0092	-0.0096
AT.	100	O	X	0.0101	0.0096	0.0009	0.0199	0.0015	0.0120
			Y	-0.0043	-0.0060	0.0033	0.0080	-0.0088	-0.0028
			Z	-0.0080	-0.0150	-0.0016	-0.0015	-0.0092	-0.0096
AT.	101	O	X	-0.0007	0.0101	0.0140	0.0043	-0.0151	0.0018
			Y	-0.0025	-0.0029	-0.0107	-0.0035	0.0084	0.0062
			Z	-0.0019	0.0053	-0.0063	0.0057	0.0001	0.0101
AT.	102	O	X	-0.0007	0.0101	0.0140	-0.0043	0.0151	-0.0018
			Y	-0.0025	-0.0029	-0.0107	0.0035	-0.0084	-0.0062
			Z	0.0019	-0.0053	0.0063	0.0057	0.0001	0.0101
AT.	103	O	X	0.0007	0.0101	0.0140	0.0043	0.0151	0.0018
			Y	-0.0025	0.0029	0.0107	0.0035	0.0084	-0.0062
			Z	-0.0019	-0.0053	0.0063	-0.0057	0.0001	-0.0101
AT.	104	O	X	0.0007	0.0101	0.0140	-0.0043	-0.0151	-0.0018
			Y	-0.0025	0.0029	0.0107	-0.0035	-0.0084	0.0062
			Z	0.0019	0.0053	-0.0063	-0.0057	0.0001	-0.0101
AT.	105	O	X	0.0007	-0.0101	0.0140	-0.0043	-0.0151	0.0018
			Y	0.0025	0.0029	-0.0107	0.0035	0.0084	0.0062
			Z	0.0019	-0.0053	-0.0063	-0.0057	0.0001	0.0101
AT.	106	O	X	0.0007	-0.0101	0.0140	0.0043	0.0151	-0.0018

	Y	0.0025	0.0029	-0.0107	-0.0035	-0.0084	-0.0062
	Z	-0.0019	0.0053	0.0063	-0.0057	0.0001	0.0101
AT. 107 O	X	-0.0007	-0.0101	0.0140	-0.0043	0.0151	0.0018
	Y	0.0025	-0.0029	0.0107	-0.0035	0.0084	-0.0062
	Z	0.0019	0.0053	0.0063	0.0057	0.0001	-0.0101
AT. 108 O	X	-0.0007	-0.0101	0.0140	0.0043	-0.0151	-0.0018
	Y	0.0025	-0.0029	0.0107	0.0035	-0.0084	0.0062
	Z	-0.0019	-0.0053	-0.0063	0.0057	0.0001	-0.0101
AT. 109 O	X	0.0038	0.0003	-0.0008	0.0071	0.0009	-0.0041
	Y	0.0143	-0.0262	0.0015	0.0174	0.0115	-0.0168
	Z	0.0050	-0.0094	0.0113	0.0012	0.0030	-0.0054
AT. 110 O	X	0.0038	0.0003	-0.0008	-0.0071	-0.0009	0.0041
	Y	0.0143	-0.0262	0.0015	-0.0174	-0.0115	0.0168
	Z	-0.0050	0.0094	-0.0113	0.0012	0.0030	-0.0054
AT. 111 O	X	-0.0038	0.0003	-0.0008	0.0071	-0.0009	-0.0041
	Y	0.0143	0.0262	-0.0015	-0.0174	0.0115	0.0168
	Z	0.0050	0.0094	-0.0113	-0.0012	0.0030	0.0054
AT. 112 O	X	-0.0038	0.0003	-0.0008	-0.0071	0.0009	0.0041
	Y	0.0143	0.0262	-0.0015	0.0174	-0.0115	-0.0168
	Z	-0.0050	-0.0094	0.0113	-0.0012	0.0030	0.0054
AT. 113 O	X	-0.0038	-0.0003	-0.0008	-0.0071	0.0009	-0.0041
	Y	-0.0143	0.0262	0.0015	-0.0174	0.0115	-0.0168
	Z	-0.0050	0.0094	0.0113	-0.0012	0.0030	-0.0054
AT. 114 O	X	-0.0038	-0.0003	-0.0008	0.0071	-0.0009	0.0041
	Y	-0.0143	0.0262	0.0015	0.0174	-0.0115	0.0168
	Z	0.0050	-0.0094	-0.0113	-0.0012	0.0030	-0.0054
AT. 115 O	X	0.0038	-0.0003	-0.0008	-0.0071	-0.0009	-0.0041
	Y	-0.0143	-0.0262	-0.0015	0.0174	0.0115	0.0168
	Z	-0.0050	-0.0094	-0.0113	0.0012	0.0030	0.0054
AT. 116 O	X	0.0038	-0.0003	-0.0008	0.0071	0.0009	0.0041
	Y	-0.0143	-0.0262	-0.0015	-0.0174	-0.0115	-0.0168
	Z	0.0050	0.0094	0.0113	0.0012	0.0030	0.0054
AT. 117 O	X	-0.0035	0.0065	-0.0006	-0.0039	-0.0032	-0.0016
	Y	-0.0086	0.0079	0.0038	0.0023	-0.0119	0.0063
	Z	0.0071	-0.0064	0.0026	-0.0026	0.0055	-0.0009
AT. 118 O	X	-0.0035	0.0065	-0.0006	0.0039	0.0032	0.0016
	Y	-0.0086	0.0079	0.0038	-0.0023	0.0119	-0.0063
	Z	-0.0071	0.0064	-0.0026	-0.0026	0.0055	-0.0009
AT. 119 O	X	0.0035	0.0065	-0.0006	-0.0039	0.0032	-0.0016
	Y	-0.0086	-0.0079	-0.0038	-0.0023	-0.0119	-0.0063
	Z	0.0071	0.0064	-0.0026	0.0026	0.0055	0.0009
AT. 120 O	X	0.0035	0.0065	-0.0006	0.0039	-0.0032	0.0016
	Y	-0.0086	-0.0079	-0.0038	0.0023	0.0119	0.0063
	Z	-0.0071	-0.0064	0.0026	0.0026	0.0055	0.0009
AT. 121 O	X	0.0035	-0.0065	-0.0006	0.0039	-0.0032	-0.0016
	Y	0.0086	-0.0079	0.0038	-0.0023	-0.0119	0.0063
	Z	-0.0071	0.0064	0.0026	0.0026	0.0055	-0.0009
AT. 122 O	X	0.0035	-0.0065	-0.0006	-0.0039	0.0032	0.0016
	Y	0.0086	-0.0079	0.0038	0.0023	0.0119	-0.0063
	Z	0.0071	-0.0064	-0.0026	0.0026	0.0055	-0.0009
AT. 123 O	X	-0.0035	-0.0065	-0.0006	0.0039	0.0032	-0.0016
	Y	0.0086	0.0079	-0.0038	0.0023	-0.0119	-0.0063
	Z	-0.0071	-0.0064	-0.0026	-0.0026	0.0055	0.0009
AT. 124 O	X	-0.0035	-0.0065	-0.0006	-0.0039	-0.0032	0.0016
	Y	0.0086	0.0079	-0.0038	-0.0023	0.0119	0.0063
	Z	0.0071	0.0064	0.0026	-0.0026	0.0055	0.0009

FREQ(CM**-1)	290.20	293.51	296.91	299.22	300.49	302.03

AT. 1 SI	X	0.0020	0.0001	-0.0049	-0.0020	0.0067	-0.0022
	Y	0.0033	-0.0022	0.0004	0.0045	-0.0039	0.0039

		Z	-0.0016	0.0055	0.0029	-0.0040	0.0003	-0.0005
AT.	2 SI	X	-0.0020	0.0001	-0.0049	0.0020	-0.0067	-0.0022
		Y	-0.0033	-0.0022	0.0004	-0.0045	0.0039	0.0039
		Z	-0.0016	-0.0055	-0.0029	-0.0040	0.0003	0.0005
AT.	3 SI	X	-0.0020	-0.0001	-0.0049	-0.0020	0.0067	0.0022
		Y	0.0033	-0.0022	-0.0004	-0.0045	0.0039	0.0039
		Z	-0.0016	0.0055	-0.0029	0.0040	-0.0003	-0.0005
AT.	4 SI	X	0.0020	-0.0001	-0.0049	0.0020	-0.0067	0.0022
		Y	-0.0033	-0.0022	-0.0004	0.0045	-0.0039	0.0039
		Z	-0.0016	-0.0055	0.0029	0.0040	-0.0003	0.0005
AT.	5 SI	X	-0.0020	-0.0001	-0.0049	-0.0020	-0.0067	0.0022
		Y	-0.0033	0.0022	0.0004	0.0045	0.0039	-0.0039
		Z	0.0016	-0.0055	0.0029	-0.0040	-0.0003	0.0005
AT.	6 SI	X	0.0020	-0.0001	-0.0049	0.0020	0.0067	0.0022
		Y	0.0033	0.0022	0.0004	-0.0045	-0.0039	-0.0039
		Z	0.0016	0.0055	-0.0029	-0.0040	-0.0003	-0.0005
AT.	7 SI	X	0.0020	0.0001	-0.0049	-0.0020	-0.0067	-0.0022
		Y	-0.0033	0.0022	-0.0004	-0.0045	-0.0039	-0.0039
		Z	0.0016	-0.0055	-0.0029	0.0040	0.0003	0.0005
AT.	8 SI	X	-0.0020	0.0001	-0.0049	0.0020	0.0067	-0.0022
		Y	0.0033	0.0022	-0.0004	0.0045	0.0039	-0.0039
		Z	0.0016	0.0055	0.0029	0.0040	0.0003	-0.0005
AT.	9 SI	X	-0.0020	-0.0013	0.0063	0.0055	-0.0002	-0.0061
		Y	-0.0074	0.0021	0.0063	-0.0006	-0.0006	0.0022
		Z	0.0011	-0.0112	-0.0025	0.0094	0.0075	-0.0043
AT.	10 SI	X	0.0020	-0.0013	0.0063	-0.0055	0.0002	-0.0061
		Y	0.0074	0.0021	0.0063	0.0006	0.0006	0.0022
		Z	0.0011	0.0112	0.0025	0.0094	0.0075	0.0043
AT.	11 SI	X	0.0020	0.0013	0.0063	0.0055	-0.0002	0.0061
		Y	-0.0074	0.0021	-0.0063	0.0006	0.0006	0.0022
		Z	0.0011	-0.0112	0.0025	-0.0094	-0.0075	-0.0043
AT.	12 SI	X	-0.0020	0.0013	0.0063	-0.0055	0.0002	0.0061
		Y	0.0074	0.0021	-0.0063	-0.0006	-0.0006	0.0022
		Z	0.0011	0.0112	-0.0025	-0.0094	-0.0075	0.0043
AT.	13 SI	X	0.0020	0.0013	0.0063	0.0055	0.0002	0.0061
		Y	0.0074	-0.0021	0.0063	-0.0006	0.0006	-0.0022
		Z	-0.0011	0.0112	-0.0025	0.0094	-0.0075	0.0043
AT.	14 SI	X	-0.0020	0.0013	0.0063	-0.0055	-0.0002	0.0061
		Y	-0.0074	-0.0021	0.0063	0.0006	-0.0006	-0.0022
		Z	-0.0011	-0.0112	0.0025	0.0094	-0.0075	-0.0043
AT.	15 SI	X	-0.0020	-0.0013	0.0063	0.0055	0.0002	-0.0061
		Y	0.0074	-0.0021	-0.0063	0.0006	-0.0006	-0.0022
		Z	-0.0011	0.0112	0.0025	-0.0094	0.0075	0.0043
AT.	16 SI	X	0.0020	-0.0013	0.0063	-0.0055	-0.0002	-0.0061
		Y	-0.0074	-0.0021	-0.0063	-0.0006	0.0006	-0.0022
		Z	-0.0011	-0.0112	-0.0025	-0.0094	0.0075	-0.0043
AT.	17 SI	X	0.0044	0.0000	-0.0050	0.0000	0.0000	0.0000
		Y	0.0000	-0.0022	0.0000	0.0023	0.0011	0.0013
		Z	0.0032	0.0000	-0.0013	0.0000	0.0000	0.0000
AT.	18 SI	X	-0.0044	0.0000	-0.0050	0.0000	0.0000	0.0000
		Y	0.0000	-0.0022	0.0000	-0.0023	-0.0011	0.0013
		Z	0.0032	0.0000	0.0013	0.0000	0.0000	0.0000
AT.	19 SI	X	-0.0044	0.0000	-0.0050	0.0000	0.0000	0.0000
		Y	0.0000	0.0022	0.0000	0.0023	-0.0011	-0.0013
		Z	-0.0032	0.0000	-0.0013	0.0000	0.0000	0.0000
AT.	20 SI	X	0.0044	0.0000	-0.0050	0.0000	0.0000	0.0000
		Y	0.0000	0.0022	0.0000	-0.0023	0.0011	-0.0013
		Z	-0.0032	0.0000	0.0013	0.0000	0.0000	0.0000
AT.	21 CA	X	0.0040	0.0018	0.0016	-0.0001	0.0004	0.0039
		Y	0.0150	0.0081	-0.0083	-0.0048	0.0113	-0.0076
		Z	-0.0003	0.0067	-0.0068	-0.0096	-0.0033	0.0024

AT.	22 CA	X	-0.0040	0.0018	0.0016	0.0001	-0.0004	0.0039
		Y	-0.0150	0.0081	-0.0083	0.0048	-0.0113	-0.0076
		Z	-0.0003	-0.0067	0.0068	-0.0096	-0.0033	-0.0024
AT.	23 CA	X	-0.0040	-0.0018	0.0016	-0.0001	0.0004	-0.0039
		Y	0.0150	0.0081	0.0083	0.0048	-0.0113	-0.0076
		Z	-0.0003	0.0067	0.0068	0.0096	0.0033	0.0024
AT.	24 CA	X	0.0040	-0.0018	0.0016	0.0001	-0.0004	-0.0039
		Y	-0.0150	0.0081	0.0083	-0.0048	0.0113	-0.0076
		Z	-0.0003	-0.0067	-0.0068	0.0096	0.0033	-0.0024
AT.	25 CA	X	-0.0040	-0.0018	0.0016	-0.0001	-0.0004	-0.0039
		Y	-0.0150	-0.0081	-0.0083	-0.0048	-0.0113	0.0076
		Z	0.0003	-0.0067	-0.0068	-0.0096	0.0033	-0.0024
AT.	26 CA	X	0.0040	-0.0018	0.0016	0.0001	0.0004	-0.0039
		Y	0.0150	-0.0081	-0.0083	0.0048	0.0113	0.0076
		Z	0.0003	0.0067	0.0068	-0.0096	0.0033	0.0024
AT.	27 CA	X	0.0040	0.0018	0.0016	-0.0001	-0.0004	0.0039
		Y	-0.0150	-0.0081	0.0083	0.0048	0.0113	0.0076
		Z	0.0003	-0.0067	0.0068	0.0096	-0.0033	-0.0024
AT.	28 CA	X	-0.0040	0.0018	0.0016	0.0001	0.0004	0.0039
		Y	0.0150	-0.0081	0.0083	-0.0048	-0.0113	0.0076
		Z	0.0003	0.0067	-0.0068	0.0096	-0.0033	0.0024
AT.	29 CA	X	0.0000	0.0000	0.0082	0.0056	0.0000	0.0000
		Y	0.0000	0.0000	-0.0110	-0.0073	0.0000	0.0000
		Z	0.0000	0.0000	-0.0025	0.0041	0.0000	0.0000
AT.	30 CA	X	0.0000	0.0000	0.0082	-0.0056	0.0000	0.0000
		Y	0.0000	0.0000	-0.0110	0.0073	0.0000	0.0000
		Z	0.0000	0.0000	0.0025	0.0041	0.0000	0.0000
AT.	31 CA	X	0.0000	0.0000	0.0082	0.0056	0.0000	0.0000
		Y	0.0000	0.0000	0.0110	0.0073	0.0000	0.0000
		Z	0.0000	0.0000	0.0025	-0.0041	0.0000	0.0000
AT.	32 CA	X	0.0000	0.0000	0.0082	-0.0056	0.0000	0.0000
		Y	0.0000	0.0000	0.0110	-0.0073	0.0000	0.0000
		Z	0.0000	0.0000	-0.0025	-0.0041	0.0000	0.0000
AT.	33 CA	X	-0.0024	0.0035	-0.0009	-0.0067	-0.0065	0.0097
		Y	-0.0024	0.0036	0.0066	0.0020	-0.0017	-0.0055
		Z	0.0077	-0.0044	-0.0049	0.0029	0.0050	0.0000
AT.	34 CA	X	0.0024	0.0035	-0.0009	0.0067	0.0065	0.0097
		Y	0.0024	0.0036	0.0066	-0.0020	0.0017	-0.0055
		Z	0.0077	0.0044	0.0049	0.0029	0.0050	0.0000
AT.	35 CA	X	0.0024	-0.0035	-0.0009	-0.0067	-0.0065	-0.0097
		Y	-0.0024	0.0036	-0.0066	-0.0020	0.0017	-0.0055
		Z	0.0077	-0.0044	0.0049	-0.0029	-0.0050	0.0000
AT.	36 CA	X	-0.0024	-0.0035	-0.0009	0.0067	0.0065	-0.0097
		Y	0.0024	0.0036	-0.0066	0.0020	-0.0017	-0.0055
		Z	0.0077	0.0044	-0.0049	-0.0029	-0.0050	0.0000
AT.	37 CA	X	0.0024	-0.0035	-0.0009	-0.0067	0.0065	-0.0097
		Y	0.0024	-0.0036	0.0066	0.0020	0.0017	0.0055
		Z	-0.0077	0.0044	-0.0049	0.0029	-0.0050	0.0000
AT.	38 CA	X	-0.0024	-0.0035	-0.0009	0.0067	-0.0065	-0.0097
		Y	-0.0024	-0.0036	0.0066	-0.0020	-0.0017	0.0055
		Z	-0.0077	-0.0044	0.0049	0.0029	-0.0050	0.0000
AT.	39 CA	X	-0.0024	0.0035	-0.0009	-0.0067	0.0065	0.0097
		Y	0.0024	-0.0036	-0.0066	-0.0020	-0.0017	0.0055
		Z	-0.0077	0.0044	0.0049	-0.0029	0.0050	0.0000
AT.	40 CA	X	0.0024	0.0035	-0.0009	0.0067	-0.0065	0.0097
		Y	-0.0024	-0.0036	-0.0066	0.0020	0.0017	0.0055
		Z	-0.0077	-0.0044	-0.0049	-0.0029	0.0050	0.0000
AT.	41 CA	X	-0.0042	0.0015	0.0014	-0.0025	0.0029	0.0027
		Y	-0.0115	0.0057	0.0150	0.0029	0.0013	-0.0047
		Z	0.0017	-0.0042	-0.0014	0.0051	-0.0022	-0.0023
AT.	42 CA	X	0.0042	0.0015	0.0014	0.0025	-0.0029	0.0027

		Y	0.0115	0.0057	0.0150	-0.0029	-0.0013	-0.0047
		Z	0.0017	0.0042	0.0014	0.0051	-0.0022	0.0023
AT.	43 CA	X	0.0042	-0.0015	0.0014	-0.0025	0.0029	-0.0027
		Y	-0.0115	0.0057	-0.0150	-0.0029	-0.0013	-0.0047
		Z	0.0017	-0.0042	0.0014	-0.0051	0.0022	-0.0023
AT.	44 CA	X	-0.0042	-0.0015	0.0014	0.0025	-0.0029	-0.0027
		Y	0.0115	0.0057	-0.0150	0.0029	0.0013	-0.0047
		Z	0.0017	0.0042	-0.0014	-0.0051	0.0022	0.0023
AT.	45 CA	X	0.0042	-0.0015	0.0014	-0.0025	-0.0029	-0.0027
		Y	0.0115	-0.0057	0.0150	0.0029	-0.0013	0.0047
		Z	-0.0017	0.0042	-0.0014	0.0051	0.0022	0.0023
AT.	46 CA	X	-0.0042	-0.0015	0.0014	0.0025	0.0029	-0.0027
		Y	-0.0115	-0.0057	0.0150	-0.0029	0.0013	0.0047
		Z	-0.0017	-0.0042	0.0014	0.0051	0.0022	-0.0023
AT.	47 CA	X	-0.0042	0.0015	0.0014	-0.0025	-0.0029	0.0027
		Y	0.0115	-0.0057	-0.0150	-0.0029	0.0013	0.0047
		Z	-0.0017	0.0042	0.0014	-0.0051	-0.0022	0.0023
AT.	48 CA	X	0.0042	0.0015	0.0014	0.0025	0.0029	0.0027
		Y	-0.0115	-0.0057	-0.0150	0.0029	-0.0013	0.0047
		Z	-0.0017	-0.0042	-0.0014	-0.0051	-0.0022	-0.0023
AT.	49 CA	X	0.0026	0.0000	-0.0037	0.0000	0.0000	0.0000
		Y	0.0000	-0.0081	0.0000	0.0074	-0.0034	0.0004
		Z	-0.0118	0.0000	0.0130	0.0000	0.0000	0.0000
AT.	50 CA	X	-0.0026	0.0000	-0.0037	0.0000	0.0000	0.0000
		Y	0.0000	-0.0081	0.0000	-0.0074	0.0034	0.0004
		Z	-0.0118	0.0000	-0.0130	0.0000	0.0000	0.0000
AT.	51 CA	X	-0.0026	0.0000	-0.0037	0.0000	0.0000	0.0000
		Y	0.0000	0.0081	0.0000	0.0074	0.0034	-0.0004
		Z	0.0118	0.0000	0.0130	0.0000	0.0000	0.0000
AT.	52 CA	X	0.0026	0.0000	-0.0037	0.0000	0.0000	0.0000
		Y	0.0000	0.0081	0.0000	-0.0074	-0.0034	-0.0004
		Z	0.0118	0.0000	-0.0130	0.0000	0.0000	0.0000
AT.	53 O	X	0.0140	0.0055	-0.0089	-0.0005	0.0179	-0.0140
		Y	-0.0005	-0.0042	0.0004	0.0022	-0.0084	0.0073
		Z	-0.0005	-0.0033	-0.0115	-0.0095	0.0005	0.0024
AT.	54 O	X	-0.0140	0.0055	-0.0089	0.0005	-0.0179	-0.0140
		Y	0.0005	-0.0042	0.0004	-0.0022	0.0084	0.0073
		Z	-0.0005	0.0033	0.0115	-0.0095	0.0005	-0.0024
AT.	55 O	X	-0.0140	-0.0055	-0.0089	-0.0005	0.0179	0.0140
		Y	-0.0005	-0.0042	-0.0004	-0.0022	0.0084	0.0073
		Z	-0.0005	-0.0033	0.0115	0.0095	-0.0005	0.0024
AT.	56 O	X	0.0140	-0.0055	-0.0089	0.0005	-0.0179	0.0140
		Y	0.0005	-0.0042	-0.0004	0.0022	-0.0084	0.0073
		Z	-0.0005	0.0033	-0.0115	0.0095	-0.0005	-0.0024
AT.	57 O	X	-0.0140	-0.0055	-0.0089	-0.0005	-0.0179	0.0140
		Y	0.0005	0.0042	0.0004	0.0022	0.0084	-0.0073
		Z	0.0005	0.0033	-0.0115	-0.0095	-0.0005	-0.0024
AT.	58 O	X	0.0140	-0.0055	-0.0089	0.0005	0.0179	0.0140
		Y	-0.0005	0.0042	0.0004	-0.0022	-0.0084	-0.0073
		Z	0.0005	-0.0033	0.0115	-0.0095	-0.0005	0.0024
AT.	59 O	X	0.0140	0.0055	-0.0089	-0.0005	-0.0179	-0.0140
		Y	0.0005	0.0042	-0.0004	-0.0022	-0.0084	-0.0073
		Z	0.0005	0.0033	0.0115	0.0095	0.0005	-0.0024
AT.	60 O	X	-0.0140	0.0055	-0.0089	0.0005	0.0179	-0.0140
		Y	-0.0005	0.0042	-0.0004	0.0022	0.0084	-0.0073
		Z	0.0005	-0.0033	-0.0115	0.0095	0.0005	0.0024
AT.	61 O	X	-0.0077	-0.0126	-0.0048	0.0043	0.0028	-0.0007
		Y	-0.0091	-0.0100	-0.0009	-0.0019	-0.0156	0.0134
		Z	0.0004	0.0033	0.0053	0.0044	0.0043	-0.0050
AT.	62 O	X	0.0077	-0.0126	-0.0048	-0.0043	-0.0028	-0.0007
		Y	0.0091	-0.0100	-0.0009	0.0019	0.0156	0.0134

		Z	0.0004	-0.0033	-0.0053	0.0044	0.0043	0.0050
AT.	63 O	X	0.0077	0.0126	-0.0048	0.0043	0.0028	0.0007
		Y	-0.0091	-0.0100	0.0009	0.0019	0.0156	0.0134
		Z	0.0004	0.0033	-0.0053	-0.0044	-0.0043	-0.0050
AT.	64 O	X	-0.0077	0.0126	-0.0048	-0.0043	-0.0028	0.0007
		Y	0.0091	-0.0100	0.0009	-0.0019	-0.0156	0.0134
		Z	0.0004	-0.0033	0.0053	-0.0044	-0.0043	0.0050
AT.	65 O	X	0.0077	0.0126	-0.0048	0.0043	-0.0028	0.0007
		Y	0.0091	0.0100	-0.0009	-0.0019	0.0156	-0.0134
		Z	-0.0004	-0.0033	0.0053	0.0044	-0.0043	0.0050
AT.	66 O	X	-0.0077	0.0126	-0.0048	-0.0043	0.0028	0.0007
		Y	-0.0091	0.0100	-0.0009	0.0019	-0.0156	-0.0134
		Z	-0.0004	0.0033	-0.0053	0.0044	-0.0043	-0.0050
AT.	67 O	X	-0.0077	-0.0126	-0.0048	0.0043	-0.0028	-0.0007
		Y	0.0091	0.0100	0.0009	0.0019	-0.0156	-0.0134
		Z	-0.0004	-0.0033	-0.0053	-0.0044	0.0043	0.0050
AT.	68 O	X	0.0077	-0.0126	-0.0048	-0.0043	0.0028	-0.0007
		Y	-0.0091	0.0100	0.0009	-0.0019	0.0156	-0.0134
		Z	-0.0004	0.0033	0.0053	-0.0044	0.0043	-0.0050
AT.	69 O	X	-0.0074	0.0001	0.0011	-0.0054	-0.0038	0.0076
		Y	-0.0128	-0.0100	0.0137	0.0123	-0.0123	0.0117
		Z	-0.0056	0.0014	0.0069	0.0026	0.0003	-0.0015
AT.	70 O	X	0.0074	0.0001	0.0011	0.0054	0.0038	0.0076
		Y	0.0128	-0.0100	0.0137	-0.0123	0.0123	0.0117
		Z	-0.0056	-0.0014	-0.0069	0.0026	0.0003	0.0015
AT.	71 O	X	0.0074	-0.0001	0.0011	-0.0054	-0.0038	-0.0076
		Y	-0.0128	-0.0100	-0.0137	-0.0123	0.0123	0.0117
		Z	-0.0056	0.0014	-0.0069	-0.0026	-0.0003	-0.0015
AT.	72 O	X	-0.0074	-0.0001	0.0011	0.0054	0.0038	-0.0076
		Y	0.0128	-0.0100	-0.0137	0.0123	-0.0123	0.0117
		Z	-0.0056	-0.0014	0.0069	-0.0026	-0.0003	0.0015
AT.	73 O	X	0.0074	-0.0001	0.0011	-0.0054	0.0038	-0.0076
		Y	0.0128	0.0100	0.0137	0.0123	0.0123	-0.0117
		Z	0.0056	-0.0014	0.0069	0.0026	-0.0003	0.0015
AT.	74 O	X	-0.0074	-0.0001	0.0011	0.0054	-0.0038	-0.0076
		Y	-0.0128	0.0100	0.0137	-0.0123	-0.0123	-0.0117
		Z	0.0056	0.0014	-0.0069	0.0026	-0.0003	-0.0015
AT.	75 O	X	-0.0074	0.0001	0.0011	-0.0054	0.0038	0.0076
		Y	0.0128	0.0100	-0.0137	-0.0123	-0.0123	-0.0117
		Z	0.0056	-0.0014	-0.0069	-0.0026	0.0003	0.0015
AT.	76 O	X	0.0074	0.0001	0.0011	0.0054	-0.0038	0.0076
		Y	-0.0128	0.0100	-0.0137	0.0123	0.0123	-0.0117
		Z	0.0056	0.0014	0.0069	-0.0026	0.0003	-0.0015
AT.	77 O	X	0.0021	-0.0003	-0.0057	-0.0019	0.0077	-0.0030
		Y	0.0286	0.0155	-0.0126	-0.0062	0.0194	-0.0184
		Z	-0.0016	0.0143	0.0103	-0.0043	-0.0088	0.0032
AT.	78 O	X	-0.0021	-0.0003	-0.0057	0.0019	-0.0077	-0.0030
		Y	-0.0286	0.0155	-0.0126	0.0062	-0.0194	-0.0184
		Z	-0.0016	-0.0143	-0.0103	-0.0043	-0.0088	-0.0032
AT.	79 O	X	-0.0021	0.0003	-0.0057	-0.0019	0.0077	0.0030
		Y	0.0286	0.0155	0.0126	0.0062	-0.0194	-0.0184
		Z	-0.0016	0.0143	-0.0103	0.0043	0.0088	0.0032
AT.	80 O	X	0.0021	0.0003	-0.0057	0.0019	-0.0077	0.0030
		Y	-0.0286	0.0155	0.0126	-0.0062	0.0194	-0.0184
		Z	-0.0016	-0.0143	0.0103	0.0043	0.0088	-0.0032
AT.	81 O	X	-0.0021	0.0003	-0.0057	-0.0019	-0.0077	0.0030
		Y	-0.0286	-0.0155	-0.0126	-0.0062	-0.0194	0.0184
		Z	0.0016	-0.0143	0.0103	-0.0043	0.0088	-0.0032
AT.	82 O	X	0.0021	0.0003	-0.0057	0.0019	0.0077	0.0030
		Y	0.0286	-0.0155	-0.0126	0.0062	0.0194	0.0184
		Z	0.0016	0.0143	-0.0103	-0.0043	0.0088	0.0032

AT.	83	O	X	0.0021	-0.0003	-0.0057	-0.0019	-0.0077	-0.0030
			Y	-0.0286	-0.0155	0.0126	0.0062	0.0194	0.0184
			Z	0.0016	-0.0143	-0.0103	0.0043	-0.0088	-0.0032
AT.	84	O	X	-0.0021	-0.0003	-0.0057	0.0019	0.0077	-0.0030
			Y	0.0286	-0.0155	0.0126	-0.0062	-0.0194	0.0184
			Z	0.0016	0.0143	0.0103	0.0043	-0.0088	0.0032
AT.	85	O	X	0.0013	-0.0108	-0.0004	0.0080	0.0088	-0.0062
			Y	-0.0002	0.0069	-0.0084	-0.0190	-0.0075	0.0207
			Z	-0.0006	-0.0184	0.0011	0.0197	0.0153	-0.0138
AT.	86	O	X	-0.0013	-0.0108	-0.0004	-0.0080	-0.0088	-0.0062
			Y	0.0002	0.0069	-0.0084	0.0190	0.0075	0.0207
			Z	-0.0006	0.0184	-0.0011	0.0197	0.0153	0.0138
AT.	87	O	X	-0.0013	0.0108	-0.0004	0.0080	0.0088	0.0062
			Y	-0.0002	0.0069	0.0084	0.0190	0.0075	0.0207
			Z	-0.0006	-0.0184	-0.0011	-0.0197	-0.0153	-0.0138
AT.	88	O	X	0.0013	0.0108	-0.0004	-0.0080	-0.0088	0.0062
			Y	0.0002	0.0069	0.0084	-0.0190	-0.0075	0.0207
			Z	-0.0006	0.0184	0.0011	-0.0197	-0.0153	0.0138
AT.	89	O	X	-0.0013	0.0108	-0.0004	0.0080	-0.0088	0.0062
			Y	0.0002	-0.0069	-0.0084	-0.0190	0.0075	-0.0207
			Z	0.0006	0.0184	0.0011	0.0197	-0.0153	0.0138
AT.	90	O	X	0.0013	0.0108	-0.0004	-0.0080	0.0088	0.0062
			Y	-0.0002	-0.0069	-0.0084	0.0190	-0.0075	-0.0207
			Z	0.0006	-0.0184	-0.0011	0.0197	-0.0153	-0.0138
AT.	91	O	X	0.0013	-0.0108	-0.0004	0.0080	-0.0088	-0.0062
			Y	0.0002	-0.0069	0.0084	0.0190	-0.0075	-0.0207
			Z	0.0006	0.0184	-0.0011	-0.0197	0.0153	0.0138
AT.	92	O	X	-0.0013	-0.0108	-0.0004	-0.0080	0.0088	-0.0062
			Y	-0.0002	-0.0069	0.0084	-0.0190	0.0075	-0.0207
			Z	0.0006	-0.0184	0.0011	-0.0197	0.0153	-0.0138
AT.	93	O	X	-0.0035	0.0100	0.0130	0.0021	-0.0051	-0.0101
			Y	-0.0063	-0.0042	0.0038	0.0033	0.0025	0.0015
			Z	-0.0001	-0.0058	-0.0026	0.0011	0.0002	0.0060
AT.	94	O	X	0.0035	0.0100	0.0130	-0.0021	0.0051	-0.0101
			Y	0.0063	-0.0042	0.0038	-0.0033	-0.0025	0.0015
			Z	-0.0001	0.0058	0.0026	0.0011	0.0002	-0.0060
AT.	95	O	X	0.0035	-0.0100	0.0130	0.0021	-0.0051	0.0101
			Y	-0.0063	-0.0042	-0.0038	-0.0033	-0.0025	0.0015
			Z	-0.0001	-0.0058	0.0026	-0.0011	-0.0002	0.0060
AT.	96	O	X	-0.0035	-0.0100	0.0130	-0.0021	0.0051	0.0101
			Y	0.0063	-0.0042	-0.0038	0.0033	0.0025	0.0015
			Z	-0.0001	0.0058	-0.0026	-0.0011	-0.0002	-0.0060
AT.	97	O	X	0.0035	-0.0100	0.0130	0.0021	0.0051	0.0101
			Y	0.0063	0.0042	0.0038	0.0033	-0.0025	-0.0015
			Z	0.0001	0.0058	-0.0026	0.0011	-0.0002	-0.0060
AT.	98	O	X	-0.0035	-0.0100	0.0130	-0.0021	-0.0051	0.0101
			Y	-0.0063	0.0042	0.0038	-0.0033	0.0025	-0.0015
			Z	0.0001	-0.0058	0.0026	0.0011	-0.0002	0.0060
AT.	99	O	X	-0.0035	0.0100	0.0130	0.0021	0.0051	-0.0101
			Y	0.0063	0.0042	-0.0038	-0.0033	0.0025	-0.0015
			Z	0.0001	0.0058	0.0026	-0.0011	0.0002	-0.0060
AT.	100	O	X	0.0035	0.0100	0.0130	-0.0021	-0.0051	-0.0101
			Y	-0.0063	0.0042	-0.0038	0.0033	-0.0025	-0.0015
			Z	0.0001	-0.0058	-0.0026	-0.0011	0.0002	0.0060
AT.	101	O	X	0.0030	-0.0027	-0.0038	0.0023	-0.0003	-0.0009
			Y	0.0031	-0.0140	-0.0019	0.0137	0.0120	-0.0053
			Z	0.0033	-0.0161	-0.0004	0.0161	0.0126	-0.0094
AT.	102	O	X	-0.0030	-0.0027	-0.0038	-0.0023	0.0003	-0.0009
			Y	-0.0031	-0.0140	-0.0019	-0.0137	-0.0120	-0.0053
			Z	0.0033	0.0161	0.0004	0.0161	0.0126	0.0094
AT.	103	O	X	-0.0030	0.0027	-0.0038	0.0023	-0.0003	0.0009

	Y	0.0031	-0.0140	0.0019	-0.0137	-0.0120	-0.0053
	Z	0.0033	-0.0161	0.0004	-0.0161	-0.0126	-0.0094
AT. 104 O	X	0.0030	0.0027	-0.0038	-0.0023	0.0003	0.0009
	Y	-0.0031	-0.0140	0.0019	0.0137	0.0120	-0.0053
	Z	0.0033	0.0161	-0.0004	-0.0161	-0.0126	0.0094
AT. 105 O	X	-0.0030	0.0027	-0.0038	0.0023	0.0003	0.0009
	Y	-0.0031	0.0140	-0.0019	0.0137	-0.0120	0.0053
	Z	-0.0033	0.0161	-0.0004	0.0161	-0.0126	0.0094
AT. 106 O	X	0.0030	0.0027	-0.0038	-0.0023	-0.0003	0.0009
	Y	0.0031	0.0140	-0.0019	-0.0137	0.0120	0.0053
	Z	-0.0033	-0.0161	0.0004	0.0161	-0.0126	-0.0094
AT. 107 O	X	0.0030	-0.0027	-0.0038	0.0023	0.0003	-0.0009
	Y	-0.0031	0.0140	0.0019	-0.0137	0.0120	0.0053
	Z	-0.0033	0.0161	0.0004	-0.0161	0.0126	0.0094
AT. 108 O	X	-0.0030	-0.0027	-0.0038	-0.0023	-0.0003	-0.0009
	Y	0.0031	0.0140	0.0019	0.0137	-0.0120	0.0053
	Z	-0.0033	-0.0161	-0.0004	-0.0161	0.0126	-0.0094
AT. 109 O	X	-0.0020	-0.0009	0.0065	0.0052	-0.0002	-0.0061
	Y	-0.0032	0.0102	0.0110	0.0030	-0.0093	-0.0122
	Z	-0.0074	0.0074	0.0031	-0.0085	-0.0076	0.0035
AT. 110 O	X	0.0020	-0.0009	0.0065	-0.0052	0.0002	-0.0061
	Y	0.0032	0.0102	0.0110	-0.0030	0.0093	-0.0122
	Z	-0.0074	-0.0074	-0.0031	-0.0085	-0.0076	-0.0035
AT. 111 O	X	0.0020	0.0009	0.0065	0.0052	-0.0002	0.0061
	Y	-0.0032	0.0102	-0.0110	-0.0030	0.0093	-0.0122
	Z	-0.0074	0.0074	-0.0031	0.0085	0.0076	0.0035
AT. 112 O	X	-0.0020	0.0009	0.0065	-0.0052	0.0002	0.0061
	Y	0.0032	0.0102	-0.0110	0.0030	-0.0093	-0.0122
	Z	-0.0074	-0.0074	0.0031	0.0085	0.0076	-0.0035
AT. 113 O	X	0.0020	0.0009	0.0065	0.0052	0.0002	0.0061
	Y	0.0032	-0.0102	0.0110	0.0030	0.0093	0.0122
	Z	0.0074	-0.0074	0.0031	-0.0085	0.0076	-0.0035
AT. 114 O	X	-0.0020	0.0009	0.0065	-0.0052	-0.0002	0.0061
	Y	-0.0032	-0.0102	0.0110	-0.0030	-0.0093	0.0122
	Z	0.0074	0.0074	-0.0031	-0.0085	0.0076	0.0035
AT. 115 O	X	-0.0020	-0.0009	0.0065	0.0052	0.0002	-0.0061
	Y	0.0032	-0.0102	-0.0110	-0.0030	-0.0093	0.0122
	Z	0.0074	-0.0074	-0.0031	0.0085	-0.0076	-0.0035
AT. 116 O	X	0.0020	-0.0009	0.0065	-0.0052	-0.0002	-0.0061
	Y	-0.0032	-0.0102	-0.0110	0.0030	0.0093	0.0122
	Z	0.0074	0.0074	0.0031	0.0085	-0.0076	0.0035
AT. 117 O	X	0.0050	0.0084	-0.0056	-0.0126	-0.0085	0.0105
	Y	0.0105	-0.0037	-0.0102	0.0003	0.0004	0.0029
	Z	-0.0060	-0.0080	0.0073	0.0140	0.0095	-0.0116
AT. 118 O	X	-0.0050	0.0084	-0.0056	0.0126	0.0085	0.0105
	Y	-0.0105	-0.0037	-0.0102	-0.0003	-0.0004	0.0029
	Z	-0.0060	0.0080	-0.0073	0.0140	0.0095	0.0116
AT. 119 O	X	-0.0050	-0.0084	-0.0056	-0.0126	-0.0085	-0.0105
	Y	0.0105	-0.0037	0.0102	-0.0003	-0.0004	0.0029
	Z	-0.0060	-0.0080	-0.0073	-0.0140	-0.0095	-0.0116
AT. 120 O	X	0.0050	-0.0084	-0.0056	0.0126	0.0085	-0.0105
	Y	-0.0105	-0.0037	0.0102	0.0003	0.0004	0.0029
	Z	-0.0060	0.0080	0.0073	-0.0140	-0.0095	0.0116
AT. 121 O	X	-0.0050	-0.0084	-0.0056	-0.0126	0.0085	-0.0105
	Y	-0.0105	0.0037	-0.0102	0.0003	-0.0004	-0.0029
	Z	0.0060	0.0080	0.0073	0.0140	-0.0095	0.0116
AT. 122 O	X	0.0050	-0.0084	-0.0056	0.0126	-0.0085	-0.0105
	Y	0.0105	0.0037	-0.0102	-0.0003	0.0004	-0.0029
	Z	0.0060	-0.0080	-0.0073	0.0140	-0.0095	-0.0116
AT. 123 O	X	0.0050	0.0084	-0.0056	-0.0126	0.0085	0.0105
	Y	-0.0105	0.0037	0.0102	-0.0003	0.0004	-0.0029

	Z	0.0060	0.0080	-0.0073	-0.0140	0.0095	0.0116
AT. 124 O	X	-0.0050	0.0084	-0.0056	0.0126	-0.0085	0.0105
	Y	0.0105	0.0037	0.0102	0.0003	-0.0004	-0.0029
	Z	0.0060	-0.0080	0.0073	-0.0140	0.0095	-0.0116

FREQ(CM**-1)	302.07	302.95	304.29	306.62	306.87	307.79
AT. 1 SI X	0.0026	-0.0033	0.0003	0.0037	-0.0008	0.0018
Y	0.0008	0.0005	0.0124	-0.0054	0.0009	-0.0084
Z	0.0052	0.0066	0.0010	0.0037	0.0024	0.0029
AT. 2 SI X	-0.0026	-0.0033	-0.0003	0.0037	0.0008	0.0018
Y	-0.0008	0.0005	-0.0124	-0.0054	-0.0009	-0.0084
Z	0.0052	-0.0066	0.0010	-0.0037	0.0024	-0.0029
AT. 3 SI X	-0.0026	0.0033	-0.0003	0.0037	0.0008	0.0018
Y	0.0008	0.0005	0.0124	0.0054	0.0009	0.0084
Z	0.0052	0.0066	0.0010	-0.0037	0.0024	-0.0029
AT. 4 SI X	0.0026	0.0033	0.0003	0.0037	-0.0008	0.0018
Y	-0.0008	0.0005	-0.0124	0.0054	-0.0009	0.0084
Z	0.0052	-0.0066	0.0010	0.0037	0.0024	0.0029
AT. 5 SI X	-0.0026	-0.0033	-0.0003	-0.0037	-0.0008	0.0018
Y	-0.0008	0.0005	-0.0124	0.0054	0.0009	-0.0084
Z	-0.0052	0.0066	-0.0010	-0.0037	0.0024	0.0029
AT. 6 SI X	0.0026	-0.0033	0.0003	-0.0037	0.0008	0.0018
Y	0.0008	0.0005	0.0124	0.0054	-0.0009	-0.0084
Z	-0.0052	-0.0066	-0.0010	0.0037	0.0024	-0.0029
AT. 7 SI X	0.0026	0.0033	0.0003	-0.0037	0.0008	0.0018
Y	-0.0008	0.0005	-0.0124	-0.0054	0.0009	0.0084
Z	-0.0052	0.0066	-0.0010	0.0037	0.0024	-0.0029
AT. 8 SI X	-0.0026	0.0033	-0.0003	-0.0037	-0.0008	0.0018
Y	0.0008	0.0005	0.0124	-0.0054	-0.0009	0.0084
Z	-0.0052	-0.0066	-0.0010	-0.0037	0.0024	0.0029
AT. 9 SI X	0.0063	0.0007	-0.0015	-0.0009	-0.0015	0.0035
Y	0.0010	-0.0008	-0.0033	-0.0017	0.0005	0.0020
Z	-0.0019	-0.0084	0.0010	0.0007	0.0004	-0.0012
AT. 10 SI X	-0.0063	0.0007	0.0015	-0.0009	0.0015	0.0035
Y	-0.0010	-0.0008	0.0033	-0.0017	-0.0005	0.0020
Z	-0.0019	0.0084	0.0010	-0.0007	0.0004	0.0012
AT. 11 SI X	-0.0063	-0.0007	0.0015	-0.0009	0.0015	0.0035
Y	0.0010	-0.0008	-0.0033	0.0017	0.0005	-0.0020
Z	-0.0019	-0.0084	0.0010	-0.0007	0.0004	0.0012
AT. 12 SI X	0.0063	-0.0007	-0.0015	-0.0009	-0.0015	0.0035
Y	-0.0010	-0.0008	0.0033	0.0017	-0.0005	-0.0020
Z	-0.0019	0.0084	0.0010	0.0007	0.0004	-0.0012
AT. 13 SI X	-0.0063	0.0007	0.0015	0.0009	-0.0015	0.0035
Y	-0.0010	-0.0008	0.0033	0.0017	0.0005	0.0020
Z	0.0019	-0.0084	-0.0010	-0.0007	0.0004	-0.0012
AT. 14 SI X	0.0063	0.0007	-0.0015	0.0009	0.0015	0.0035
Y	0.0010	-0.0008	-0.0033	0.0017	-0.0005	0.0020
Z	0.0019	0.0084	-0.0010	0.0007	0.0004	0.0012
AT. 15 SI X	0.0063	-0.0007	-0.0015	0.0009	0.0015	0.0035
Y	-0.0010	-0.0008	0.0033	-0.0017	0.0005	-0.0020
Z	0.0019	-0.0084	-0.0010	0.0007	0.0004	0.0012
AT. 16 SI X	-0.0063	-0.0007	0.0015	0.0009	-0.0015	0.0035
Y	0.0010	-0.0008	-0.0033	-0.0017	-0.0005	-0.0020
Z	0.0019	0.0084	-0.0010	-0.0007	0.0004	-0.0012
AT. 17 SI X	0.0058	0.0000	0.0054	0.0024	0.0037	0.0015
Y	0.0000	-0.0033	0.0000	0.0000	0.0000	0.0000
Z	0.0037	0.0000	0.0045	-0.0010	0.0027	-0.0006
AT. 18 SI X	-0.0058	0.0000	-0.0054	0.0024	-0.0037	0.0015
Y	0.0000	-0.0033	0.0000	0.0000	0.0000	0.0000
Z	0.0037	0.0000	0.0045	0.0010	0.0027	0.0006

AT.	19 SI	X	-0.0058	0.0000	-0.0054	-0.0024	0.0037	0.0015
		Y	0.0000	-0.0033	0.0000	0.0000	0.0000	0.0000
		Z	-0.0037	0.0000	-0.0045	0.0010	0.0027	-0.0006
AT.	20 SI	X	0.0058	0.0000	0.0054	-0.0024	-0.0037	0.0015
		Y	0.0000	-0.0033	0.0000	0.0000	0.0000	0.0000
		Z	-0.0037	0.0000	-0.0045	-0.0010	0.0027	0.0006
AT.	21 CA	X	0.0007	0.0011	0.0081	-0.0012	-0.0024	-0.0026
		Y	0.0128	-0.0047	0.0093	0.0124	-0.0020	0.0082
		Z	-0.0014	0.0019	-0.0037	0.0056	0.0018	0.0015
AT.	22 CA	X	-0.0007	0.0011	-0.0081	-0.0012	0.0024	-0.0026
		Y	-0.0128	-0.0047	-0.0093	0.0124	0.0020	0.0082
		Z	-0.0014	-0.0019	-0.0037	-0.0056	0.0018	-0.0015
AT.	23 CA	X	-0.0007	-0.0011	-0.0081	-0.0012	0.0024	-0.0026
		Y	0.0128	-0.0047	0.0093	-0.0124	-0.0020	-0.0082
		Z	-0.0014	0.0019	-0.0037	-0.0056	0.0018	-0.0015
AT.	24 CA	X	0.0007	-0.0011	0.0081	-0.0012	-0.0024	-0.0026
		Y	-0.0128	-0.0047	-0.0093	-0.0124	0.0020	-0.0082
		Z	-0.0014	-0.0019	-0.0037	0.0056	0.0018	0.0015
AT.	25 CA	X	-0.0007	0.0011	-0.0081	0.0012	-0.0024	-0.0026
		Y	-0.0128	-0.0047	-0.0093	-0.0124	-0.0020	0.0082
		Z	0.0014	0.0019	0.0037	-0.0056	0.0018	0.0015
AT.	26 CA	X	0.0007	0.0011	0.0081	0.0012	0.0024	-0.0026
		Y	0.0128	-0.0047	0.0093	-0.0124	0.0020	0.0082
		Z	0.0014	-0.0019	0.0037	0.0056	0.0018	-0.0015
AT.	27 CA	X	0.0007	-0.0011	0.0081	0.0012	0.0024	-0.0026
		Y	-0.0128	-0.0047	-0.0093	0.0124	-0.0020	-0.0082
		Z	0.0014	0.0019	0.0037	0.0056	0.0018	-0.0015
AT.	28 CA	X	-0.0007	-0.0011	-0.0081	0.0012	-0.0024	-0.0026
		Y	0.0128	-0.0047	0.0093	0.0124	0.0020	-0.0082
		Z	0.0014	-0.0019	0.0037	-0.0056	0.0018	0.0015
AT.	29 CA	X	0.0000	0.0040	0.0000	0.0000	-0.0078	-0.0107
		Y	0.0000	-0.0005	0.0000	0.0000	-0.0100	0.0034
		Z	0.0000	-0.0023	0.0000	0.0000	-0.0162	-0.0070
AT.	30 CA	X	0.0000	0.0040	0.0000	0.0000	0.0078	-0.0107
		Y	0.0000	-0.0005	0.0000	0.0000	0.0100	0.0034
		Z	0.0000	0.0023	0.0000	0.0000	-0.0162	0.0070
AT.	31 CA	X	0.0000	-0.0040	0.0000	0.0000	0.0078	-0.0107
		Y	0.0000	-0.0005	0.0000	0.0000	-0.0100	-0.0034
		Z	0.0000	-0.0023	0.0000	0.0000	-0.0162	0.0070
AT.	32 CA	X	0.0000	-0.0040	0.0000	0.0000	-0.0078	-0.0107
		Y	0.0000	-0.0005	0.0000	0.0000	0.0100	-0.0034
		Z	0.0000	0.0023	0.0000	0.0000	-0.0162	-0.0070
AT.	33 CA	X	-0.0083	0.0066	0.0013	0.0013	0.0076	-0.0059
		Y	0.0077	0.0020	-0.0031	0.0010	0.0052	0.0043
		Z	-0.0072	-0.0071	0.0007	-0.0030	-0.0067	-0.0025
AT.	34 CA	X	0.0083	0.0066	-0.0013	0.0013	-0.0076	-0.0059
		Y	-0.0077	0.0020	0.0031	0.0010	-0.0052	0.0043
		Z	-0.0072	0.0071	0.0007	0.0030	-0.0067	0.0025
AT.	35 CA	X	0.0083	-0.0066	-0.0013	0.0013	-0.0076	-0.0059
		Y	0.0077	0.0020	-0.0031	-0.0010	0.0052	-0.0043
		Z	-0.0072	-0.0071	0.0007	0.0030	-0.0067	0.0025
AT.	36 CA	X	-0.0083	-0.0066	0.0013	0.0013	0.0076	-0.0059
		Y	-0.0077	0.0020	0.0031	-0.0010	-0.0052	-0.0043
		Z	-0.0072	0.0071	0.0007	-0.0030	-0.0067	-0.0025
AT.	37 CA	X	0.0083	0.0066	-0.0013	-0.0013	0.0076	-0.0059
		Y	-0.0077	0.0020	0.0031	-0.0010	0.0052	0.0043
		Z	0.0072	-0.0071	-0.0007	0.0030	-0.0067	-0.0025
AT.	38 CA	X	-0.0083	0.0066	0.0013	-0.0013	-0.0076	-0.0059
		Y	0.0077	0.0020	-0.0031	-0.0010	-0.0052	0.0043
		Z	0.0072	0.0071	-0.0007	-0.0030	-0.0067	0.0025
AT.	39 CA	X	-0.0083	-0.0066	0.0013	-0.0013	-0.0076	-0.0059

		Y	-0.0077	0.0020	0.0031	0.0010	0.0052	-0.0043
		Z	0.0072	-0.0071	-0.0007	-0.0030	-0.0067	0.0025
AT.	40 CA	X	0.0083	-0.0066	-0.0013	-0.0013	0.0076	-0.0059
		Y	0.0077	0.0020	-0.0031	0.0010	-0.0052	-0.0043
		Z	0.0072	0.0071	-0.0007	0.0030	-0.0067	-0.0025
AT.	41 CA	X	-0.0076	-0.0048	-0.0065	0.0009	0.0057	0.0011
		Y	0.0071	0.0004	-0.0107	0.0048	0.0014	0.0074
		Z	-0.0026	-0.0023	-0.0046	-0.0013	0.0038	0.0047
AT.	42 CA	X	0.0076	-0.0048	0.0065	0.0009	-0.0057	0.0011
		Y	-0.0071	0.0004	0.0107	0.0048	-0.0014	0.0074
		Z	-0.0026	0.0023	-0.0046	0.0013	0.0038	-0.0047
AT.	43 CA	X	0.0076	0.0048	0.0065	0.0009	-0.0057	0.0011
		Y	0.0071	0.0004	-0.0107	-0.0048	0.0014	-0.0074
		Z	-0.0026	-0.0023	-0.0046	0.0013	0.0038	-0.0047
AT.	44 CA	X	-0.0076	0.0048	-0.0065	0.0009	0.0057	0.0011
		Y	-0.0071	0.0004	0.0107	-0.0048	-0.0014	-0.0074
		Z	-0.0026	0.0023	-0.0046	-0.0013	0.0038	0.0047
AT.	45 CA	X	0.0076	-0.0048	0.0065	-0.0009	0.0057	0.0011
		Y	-0.0071	0.0004	0.0107	-0.0048	0.0014	0.0074
		Z	0.0026	-0.0023	0.0046	0.0013	0.0038	0.0047
AT.	46 CA	X	-0.0076	-0.0048	-0.0065	-0.0009	-0.0057	0.0011
		Y	0.0071	0.0004	-0.0107	-0.0048	-0.0014	0.0074
		Z	0.0026	0.0023	0.0046	-0.0013	0.0038	-0.0047
AT.	47 CA	X	-0.0076	0.0048	-0.0065	-0.0009	-0.0057	0.0011
		Y	-0.0071	0.0004	0.0107	0.0048	0.0014	-0.0074
		Z	0.0026	-0.0023	0.0046	-0.0013	0.0038	-0.0047
AT.	48 CA	X	0.0076	0.0048	0.0065	-0.0009	0.0057	0.0011
		Y	0.0071	0.0004	-0.0107	0.0048	-0.0014	-0.0074
		Z	0.0026	0.0023	0.0046	0.0013	0.0038	0.0047
AT.	49 CA	X	-0.0051	0.0000	0.0014	-0.0020	0.0002	-0.0033
		Y	0.0000	0.0050	0.0000	0.0000	0.0000	0.0000
		Z	0.0091	0.0000	-0.0064	0.0011	0.0004	0.0052
AT.	50 CA	X	0.0051	0.0000	-0.0014	-0.0020	-0.0002	-0.0033
		Y	0.0000	0.0050	0.0000	0.0000	0.0000	0.0000
		Z	0.0091	0.0000	-0.0064	-0.0011	0.0004	-0.0052
AT.	51 CA	X	0.0051	0.0000	-0.0014	0.0020	0.0002	-0.0033
		Y	0.0000	0.0050	0.0000	0.0000	0.0000	0.0000
		Z	-0.0091	0.0000	0.0064	-0.0011	0.0004	0.0052
AT.	52 CA	X	-0.0051	0.0000	0.0014	0.0020	-0.0002	-0.0033
		Y	0.0000	0.0050	0.0000	0.0000	0.0000	0.0000
		Z	-0.0091	0.0000	0.0064	0.0011	0.0004	-0.0052
AT.	53 O	X	0.0045	-0.0112	-0.0124	0.0162	-0.0002	0.0139
		Y	0.0013	0.0037	0.0175	-0.0114	0.0001	-0.0111
		Z	-0.0051	0.0029	0.0006	0.0011	-0.0140	-0.0021
AT.	54 O	X	-0.0045	-0.0112	0.0124	0.0162	0.0002	0.0139
		Y	-0.0013	0.0037	-0.0175	-0.0114	-0.0001	-0.0111
		Z	-0.0051	-0.0029	0.0006	-0.0011	-0.0140	0.0021
AT.	55 O	X	-0.0045	0.0112	0.0124	0.0162	0.0002	0.0139
		Y	0.0013	0.0037	0.0175	0.0114	0.0001	0.0111
		Z	-0.0051	0.0029	0.0006	-0.0011	-0.0140	0.0021
AT.	56 O	X	0.0045	0.0112	-0.0124	0.0162	-0.0002	0.0139
		Y	-0.0013	0.0037	-0.0175	0.0114	-0.0001	0.0111
		Z	-0.0051	-0.0029	0.0006	0.0011	-0.0140	-0.0021
AT.	57 O	X	-0.0045	-0.0112	0.0124	-0.0162	-0.0002	0.0139
		Y	-0.0013	0.0037	-0.0175	0.0114	0.0001	-0.0111
		Z	0.0051	0.0029	-0.0006	-0.0011	-0.0140	-0.0021
AT.	58 O	X	0.0045	-0.0112	-0.0124	-0.0162	0.0002	0.0139
		Y	0.0013	0.0037	0.0175	0.0114	-0.0001	-0.0111
		Z	0.0051	-0.0029	-0.0006	0.0011	-0.0140	0.0021
AT.	59 O	X	0.0045	0.0112	-0.0124	-0.0162	0.0002	0.0139
		Y	-0.0013	0.0037	-0.0175	-0.0114	0.0001	0.0111

		Z	0.0051	0.0029	-0.0006	0.0011	-0.0140	0.0021
AT.	60 O	X	-0.0045	0.0112	0.0124	-0.0162	-0.0002	0.0139
		Y	0.0013	0.0037	0.0175	-0.0114	-0.0001	0.0111
		Z	0.0051	-0.0029	-0.0006	-0.0011	-0.0140	-0.0021
AT.	61 O	X	-0.0021	-0.0013	0.0027	-0.0023	-0.0161	-0.0094
		Y	-0.0033	0.0050	0.0193	-0.0232	0.0008	-0.0120
		Z	0.0036	0.0043	-0.0039	0.0112	-0.0032	-0.0004
AT.	62 O	X	0.0021	-0.0013	-0.0027	-0.0023	0.0161	-0.0094
		Y	0.0033	0.0050	-0.0193	-0.0232	-0.0008	-0.0120
		Z	0.0036	-0.0043	-0.0039	-0.0112	-0.0032	0.0004
AT.	63 O	X	0.0021	0.0013	-0.0027	-0.0023	0.0161	-0.0094
		Y	-0.0033	0.0050	0.0193	0.0232	0.0008	0.0120
		Z	0.0036	0.0043	-0.0039	-0.0112	-0.0032	0.0004
AT.	64 O	X	-0.0021	0.0013	0.0027	-0.0023	-0.0161	-0.0094
		Y	0.0033	0.0050	-0.0193	0.0232	-0.0008	0.0120
		Z	0.0036	-0.0043	-0.0039	0.0112	-0.0032	-0.0004
AT.	65 O	X	0.0021	-0.0013	-0.0027	0.0023	-0.0161	-0.0094
		Y	0.0033	0.0050	-0.0193	0.0232	0.0008	-0.0120
		Z	-0.0036	0.0043	0.0039	-0.0112	-0.0032	-0.0004
AT.	66 O	X	-0.0021	-0.0013	0.0027	0.0023	0.0161	-0.0094
		Y	-0.0033	0.0050	0.0193	0.0232	-0.0008	-0.0120
		Z	-0.0036	-0.0043	0.0039	0.0112	-0.0032	0.0004
AT.	67 O	X	-0.0021	0.0013	0.0027	0.0023	0.0161	-0.0094
		Y	0.0033	0.0050	-0.0193	-0.0232	0.0008	0.0120
		Z	-0.0036	0.0043	0.0039	0.0112	-0.0032	0.0004
AT.	68 O	X	0.0021	0.0013	-0.0027	0.0023	-0.0161	-0.0094
		Y	-0.0033	0.0050	0.0193	-0.0232	-0.0008	0.0120
		Z	-0.0036	-0.0043	0.0039	-0.0112	-0.0032	-0.0004
AT.	69 O	X	0.0019	-0.0008	0.0078	-0.0096	0.0162	0.0072
		Y	-0.0015	0.0059	0.0178	-0.0162	-0.0025	-0.0211
		Z	0.0056	0.0074	0.0018	0.0046	-0.0069	-0.0064
AT.	70 O	X	-0.0019	-0.0008	-0.0078	-0.0096	-0.0162	0.0072
		Y	0.0015	0.0059	-0.0178	-0.0162	0.0025	-0.0211
		Z	0.0056	-0.0074	0.0018	-0.0046	-0.0069	0.0064
AT.	71 O	X	-0.0019	0.0008	-0.0078	-0.0096	-0.0162	0.0072
		Y	-0.0015	0.0059	0.0178	0.0162	-0.0025	0.0211
		Z	0.0056	0.0074	0.0018	-0.0046	-0.0069	0.0064
AT.	72 O	X	0.0019	0.0008	0.0078	-0.0096	0.0162	0.0072
		Y	0.0015	0.0059	-0.0178	0.0162	0.0025	0.0211
		Z	0.0056	-0.0074	0.0018	0.0046	-0.0069	-0.0064
AT.	73 O	X	-0.0019	-0.0008	-0.0078	0.0096	0.0162	0.0072
		Y	0.0015	0.0059	-0.0178	0.0162	-0.0025	-0.0211
		Z	-0.0056	0.0074	-0.0018	-0.0046	-0.0069	-0.0064
AT.	74 O	X	0.0019	-0.0008	0.0078	0.0096	-0.0162	0.0072
		Y	-0.0015	0.0059	0.0178	0.0162	0.0025	-0.0211
		Z	-0.0056	-0.0074	-0.0018	0.0046	-0.0069	0.0064
AT.	75 O	X	0.0019	0.0008	0.0078	0.0096	-0.0162	0.0072
		Y	0.0015	0.0059	-0.0178	-0.0162	-0.0025	0.0211
		Z	-0.0056	0.0074	-0.0018	0.0046	-0.0069	0.0064
AT.	76 O	X	-0.0019	0.0008	-0.0078	0.0096	0.0162	0.0072
		Y	-0.0015	0.0059	0.0178	-0.0162	0.0025	0.0211
		Z	-0.0056	-0.0074	-0.0018	-0.0046	-0.0069	-0.0064
AT.	77 O	X	0.0027	-0.0042	-0.0005	0.0040	-0.0010	0.0029
		Y	0.0042	-0.0079	-0.0193	0.0265	0.0052	0.0230
		Z	0.0082	0.0055	0.0029	-0.0032	0.0303	0.0099
AT.	78 O	X	-0.0027	-0.0042	0.0005	0.0040	0.0010	0.0029
		Y	-0.0042	-0.0079	0.0193	0.0265	-0.0052	0.0230
		Z	0.0082	-0.0055	0.0029	0.0032	0.0303	-0.0099
AT.	79 O	X	-0.0027	0.0042	0.0005	0.0040	0.0010	0.0029
		Y	0.0042	-0.0079	-0.0193	-0.0265	0.0052	-0.0230
		Z	0.0082	0.0055	0.0029	0.0032	0.0303	-0.0099

AT.	80	O	X	0.0027	0.0042	-0.0005	0.0040	-0.0010	0.0029
			Y	-0.0042	-0.0079	0.0193	-0.0265	-0.0052	-0.0230
			Z	0.0082	-0.0055	0.0029	-0.0032	0.0303	0.0099
AT.	81	O	X	-0.0027	-0.0042	0.0005	-0.0040	-0.0010	0.0029
			Y	-0.0042	-0.0079	0.0193	-0.0265	0.0052	0.0230
			Z	-0.0082	0.0055	-0.0029	0.0032	0.0303	0.0099
AT.	82	O	X	0.0027	-0.0042	-0.0005	-0.0040	0.0010	0.0029
			Y	0.0042	-0.0079	-0.0193	-0.0265	-0.0052	0.0230
			Z	-0.0082	-0.0055	-0.0029	-0.0032	0.0303	-0.0099
AT.	83	O	X	0.0027	0.0042	-0.0005	-0.0040	0.0010	0.0029
			Y	-0.0042	-0.0079	0.0193	0.0265	0.0052	-0.0230
			Z	-0.0082	0.0055	-0.0029	-0.0032	0.0303	-0.0099
AT.	84	O	X	-0.0027	0.0042	0.0005	-0.0040	-0.0010	0.0029
			Y	0.0042	-0.0079	-0.0193	0.0265	-0.0052	-0.0230
			Z	-0.0082	-0.0055	-0.0029	0.0032	0.0303	0.0099
AT.	85	O	X	-0.0034	-0.0152	-0.0035	-0.0063	-0.0003	0.0017
			Y	-0.0124	0.0036	0.0030	-0.0049	0.0054	-0.0059
			Z	-0.0007	-0.0193	-0.0029	-0.0009	-0.0010	0.0014
AT.	86	O	X	0.0034	-0.0152	0.0035	-0.0063	0.0003	0.0017
			Y	0.0124	0.0036	-0.0030	-0.0049	-0.0054	-0.0059
			Z	-0.0007	0.0193	-0.0029	0.0009	-0.0010	-0.0014
AT.	87	O	X	0.0034	0.0152	0.0035	-0.0063	0.0003	0.0017
			Y	-0.0124	0.0036	0.0030	0.0049	0.0054	0.0059
			Z	-0.0007	-0.0193	-0.0029	0.0009	-0.0010	-0.0014
AT.	88	O	X	-0.0034	0.0152	-0.0035	-0.0063	-0.0003	0.0017
			Y	0.0124	0.0036	-0.0030	0.0049	-0.0054	0.0059
			Z	-0.0007	0.0193	-0.0029	-0.0009	-0.0010	0.0014
AT.	89	O	X	0.0034	-0.0152	0.0035	0.0063	-0.0003	0.0017
			Y	0.0124	0.0036	-0.0030	0.0049	0.0054	-0.0059
			Z	0.0007	-0.0193	0.0029	0.0009	-0.0010	0.0014
AT.	90	O	X	-0.0034	-0.0152	-0.0035	0.0063	0.0003	0.0017
			Y	-0.0124	0.0036	0.0030	0.0049	-0.0054	-0.0059
			Z	0.0007	0.0193	0.0029	-0.0009	-0.0010	-0.0014
AT.	91	O	X	-0.0034	0.0152	-0.0035	0.0063	0.0003	0.0017
			Y	0.0124	0.0036	-0.0030	-0.0049	0.0054	0.0059
			Z	0.0007	-0.0193	0.0029	-0.0009	-0.0010	-0.0014
AT.	92	O	X	0.0034	0.0152	0.0035	0.0063	-0.0003	0.0017
			Y	-0.0124	0.0036	0.0030	-0.0049	-0.0054	0.0059
			Z	0.0007	0.0193	0.0029	0.0009	-0.0010	0.0014
AT.	93	O	X	0.0154	0.0117	-0.0021	0.0019	-0.0080	0.0059
			Y	-0.0012	-0.0061	-0.0031	-0.0025	0.0031	0.0019
			Z	-0.0150	-0.0041	-0.0021	-0.0066	-0.0008	-0.0087
AT.	94	O	X	-0.0154	0.0117	0.0021	0.0019	0.0080	0.0059
			Y	0.0012	-0.0061	0.0031	-0.0025	-0.0031	0.0019
			Z	-0.0150	0.0041	-0.0021	0.0066	-0.0008	0.0087
AT.	95	O	X	-0.0154	-0.0117	0.0021	0.0019	0.0080	0.0059
			Y	-0.0012	-0.0061	-0.0031	0.0025	0.0031	-0.0019
			Z	-0.0150	-0.0041	-0.0021	0.0066	-0.0008	0.0087
AT.	96	O	X	0.0154	-0.0117	-0.0021	0.0019	-0.0080	0.0059
			Y	0.0012	-0.0061	0.0031	0.0025	-0.0031	-0.0019
			Z	-0.0150	0.0041	-0.0021	-0.0066	-0.0008	-0.0087
AT.	97	O	X	-0.0154	0.0117	0.0021	-0.0019	-0.0080	0.0059
			Y	0.0012	-0.0061	0.0031	0.0025	0.0031	0.0019
			Z	0.0150	-0.0041	0.0021	0.0066	-0.0008	-0.0087
AT.	98	O	X	0.0154	0.0117	-0.0021	-0.0019	0.0080	0.0059
			Y	-0.0012	-0.0061	-0.0031	0.0025	-0.0031	0.0019
			Z	0.0150	0.0041	0.0021	-0.0066	-0.0008	0.0087
AT.	99	O	X	0.0154	-0.0117	-0.0021	-0.0019	0.0080	0.0059
			Y	0.0012	-0.0061	0.0031	-0.0025	0.0031	-0.0019
			Z	0.0150	-0.0041	0.0021	-0.0066	-0.0008	0.0087
AT.	100	O	X	-0.0154	-0.0117	0.0021	-0.0019	-0.0080	0.0059

	Y	-0.0012	-0.0061	-0.0031	-0.0025	-0.0031	-0.0019
	Z	0.0150	0.0041	0.0021	0.0066	-0.0008	-0.0087
AT. 101 O	X	0.0101	0.0008	0.0054	0.0059	0.0029	0.0034
	Y	-0.0070	-0.0166	-0.0008	-0.0034	0.0009	-0.0021
	Z	-0.0030	-0.0156	-0.0002	-0.0024	0.0016	-0.0014
AT. 102 O	X	-0.0101	0.0008	-0.0054	0.0059	-0.0029	0.0034
	Y	0.0070	-0.0166	0.0008	-0.0034	-0.0009	-0.0021
	Z	-0.0030	0.0156	-0.0002	0.0024	0.0016	0.0014
AT. 103 O	X	-0.0101	-0.0008	-0.0054	0.0059	-0.0029	0.0034
	Y	-0.0070	-0.0166	-0.0008	0.0034	0.0009	0.0021
	Z	-0.0030	-0.0156	-0.0002	0.0024	0.0016	0.0014
AT. 104 O	X	0.0101	-0.0008	0.0054	0.0059	0.0029	0.0034
	Y	0.0070	-0.0166	0.0008	0.0034	-0.0009	0.0021
	Z	-0.0030	0.0156	-0.0002	-0.0024	0.0016	-0.0014
AT. 105 O	X	-0.0101	0.0008	-0.0054	-0.0059	0.0029	0.0034
	Y	0.0070	-0.0166	0.0008	0.0034	0.0009	-0.0021
	Z	0.0030	-0.0156	0.0002	0.0024	0.0016	-0.0014
AT. 106 O	X	0.0101	0.0008	0.0054	-0.0059	-0.0029	0.0034
	Y	-0.0070	-0.0166	-0.0008	0.0034	-0.0009	-0.0021
	Z	0.0030	0.0156	0.0002	-0.0024	0.0016	0.0014
AT. 107 O	X	0.0101	-0.0008	0.0054	-0.0059	-0.0029	0.0034
	Y	0.0070	-0.0166	0.0008	-0.0034	0.0009	0.0021
	Z	0.0030	-0.0156	0.0002	-0.0024	0.0016	0.0014
AT. 108 O	X	-0.0101	-0.0008	-0.0054	-0.0059	0.0029	0.0034
	Y	-0.0070	-0.0166	-0.0008	-0.0034	-0.0009	0.0021
	Z	0.0030	0.0156	0.0002	0.0024	0.0016	-0.0014
AT. 109 O	X	0.0073	0.0006	-0.0016	-0.0008	-0.0013	0.0042
	Y	0.0193	0.0164	0.0011	-0.0003	-0.0106	0.0089
	Z	0.0074	0.0120	-0.0022	0.0070	0.0037	0.0049
AT. 110 O	X	-0.0073	0.0006	0.0016	-0.0008	0.0013	0.0042
	Y	-0.0193	0.0164	-0.0011	-0.0003	0.0106	0.0089
	Z	0.0074	-0.0120	-0.0022	-0.0070	0.0037	-0.0049
AT. 111 O	X	-0.0073	-0.0006	0.0016	-0.0008	0.0013	0.0042
	Y	0.0193	0.0164	0.0011	0.0003	-0.0106	-0.0089
	Z	0.0074	0.0120	-0.0022	-0.0070	0.0037	-0.0049
AT. 112 O	X	0.0073	-0.0006	-0.0016	-0.0008	-0.0013	0.0042
	Y	-0.0193	0.0164	-0.0011	0.0003	0.0106	-0.0089
	Z	0.0074	-0.0120	-0.0022	0.0070	0.0037	0.0049
AT. 113 O	X	-0.0073	0.0006	0.0016	0.0008	-0.0013	0.0042
	Y	-0.0193	0.0164	-0.0011	0.0003	-0.0106	0.0089
	Z	-0.0074	0.0120	0.0022	-0.0070	0.0037	0.0049
AT. 114 O	X	0.0073	0.0006	-0.0016	0.0008	0.0013	0.0042
	Y	0.0193	0.0164	0.0011	0.0003	0.0106	0.0089
	Z	-0.0074	-0.0120	0.0022	0.0070	0.0037	-0.0049
AT. 115 O	X	0.0073	-0.0006	-0.0016	0.0008	0.0013	0.0042
	Y	-0.0193	0.0164	-0.0011	-0.0003	-0.0106	-0.0089
	Z	-0.0074	0.0120	0.0022	0.0070	0.0037	-0.0049
AT. 116 O	X	-0.0073	-0.0006	0.0016	0.0008	-0.0013	0.0042
	Y	0.0193	0.0164	0.0011	-0.0003	0.0106	-0.0089
	Z	-0.0074	-0.0120	0.0022	-0.0070	0.0037	0.0049
AT. 117 O	X	-0.0053	0.0107	0.0022	-0.0013	0.0029	-0.0043
	Y	0.0016	-0.0004	0.0097	0.0025	-0.0026	-0.0024
	Z	0.0115	-0.0137	-0.0008	0.0007	0.0059	0.0065
AT. 118 O	X	0.0053	0.0107	-0.0022	-0.0013	-0.0029	-0.0043
	Y	-0.0016	-0.0004	-0.0097	0.0025	0.0026	-0.0024
	Z	0.0115	0.0137	-0.0008	-0.0007	0.0059	-0.0065
AT. 119 O	X	0.0053	-0.0107	-0.0022	-0.0013	-0.0029	-0.0043
	Y	0.0016	-0.0004	0.0097	-0.0025	-0.0026	0.0024
	Z	0.0115	-0.0137	-0.0008	-0.0007	0.0059	-0.0065
AT. 120 O	X	-0.0053	-0.0107	0.0022	-0.0013	0.0029	-0.0043
	Y	-0.0016	-0.0004	-0.0097	-0.0025	0.0026	0.0024

	Z	0.0115	0.0137	-0.0008	0.0007	0.0059	0.0065
AT. 121 O	X	0.0053	0.0107	-0.0022	0.0013	0.0029	-0.0043
	Y	-0.0016	-0.0004	-0.0097	-0.0025	-0.0026	-0.0024
	Z	-0.0115	-0.0137	0.0008	-0.0007	0.0059	0.0065
AT. 122 O	X	-0.0053	0.0107	0.0022	0.0013	-0.0029	-0.0043
	Y	0.0016	-0.0004	0.0097	-0.0025	0.0026	-0.0024
	Z	-0.0115	0.0137	0.0008	0.0007	0.0059	-0.0065
AT. 123 O	X	-0.0053	-0.0107	0.0022	0.0013	-0.0029	-0.0043
	Y	-0.0016	-0.0004	-0.0097	0.0025	-0.0026	0.0024
	Z	-0.0115	-0.0137	0.0008	0.0007	0.0059	-0.0065
AT. 124 O	X	0.0053	-0.0107	-0.0022	0.0013	0.0029	-0.0043
	Y	0.0016	-0.0004	0.0097	0.0025	0.0026	0.0024
	Z	-0.0115	0.0137	0.0008	-0.0007	0.0059	0.0065

FREQ(CM**-1)		307.94	309.12	310.09	310.21	314.47	316.99
AT. 1 SI	X	0.0022	0.0011	-0.0002	0.0015	0.0023	0.0035
	Y	-0.0089	-0.0017	-0.0044	0.0113	-0.0043	-0.0032
	Z	0.0022	-0.0018	0.0055	-0.0012	0.0015	-0.0003
AT. 2 SI	X	-0.0022	0.0011	0.0002	0.0015	0.0023	-0.0035
	Y	0.0089	-0.0017	0.0044	0.0113	-0.0043	0.0032
	Z	0.0022	0.0018	0.0055	0.0012	-0.0015	-0.0003
AT. 3 SI	X	0.0022	-0.0011	-0.0002	-0.0015	0.0023	0.0035
	Y	0.0089	-0.0017	0.0044	0.0113	0.0043	0.0032
	Z	-0.0022	-0.0018	-0.0055	-0.0012	-0.0015	0.0003
AT. 4 SI	X	-0.0022	-0.0011	0.0002	-0.0015	0.0023	-0.0035
	Y	-0.0089	-0.0017	-0.0044	0.0113	0.0043	-0.0032
	Z	-0.0022	0.0018	-0.0055	0.0012	0.0015	0.0003
AT. 5 SI	X	0.0022	0.0011	0.0002	-0.0015	0.0023	0.0035
	Y	-0.0089	-0.0017	0.0044	-0.0113	-0.0043	-0.0032
	Z	0.0022	-0.0018	-0.0055	0.0012	0.0015	-0.0003
AT. 6 SI	X	-0.0022	0.0011	-0.0002	-0.0015	0.0023	-0.0035
	Y	0.0089	-0.0017	-0.0044	-0.0113	-0.0043	0.0032
	Z	0.0022	0.0018	-0.0055	-0.0012	-0.0015	-0.0003
AT. 7 SI	X	0.0022	-0.0011	0.0002	0.0015	0.0023	0.0035
	Y	0.0089	-0.0017	-0.0044	-0.0113	0.0043	0.0032
	Z	-0.0022	-0.0018	0.0055	0.0012	-0.0015	0.0003
AT. 8 SI	X	-0.0022	-0.0011	-0.0002	0.0015	0.0023	-0.0035
	Y	-0.0089	-0.0017	0.0044	-0.0113	0.0043	-0.0032
	Z	-0.0022	0.0018	0.0055	-0.0012	0.0015	0.0003
AT. 9 SI	X	0.0028	-0.0002	-0.0008	0.0035	0.0038	0.0032
	Y	-0.0001	0.0005	-0.0010	-0.0050	0.0015	-0.0038
	Z	-0.0004	-0.0010	-0.0038	0.0008	-0.0036	-0.0049
AT. 10 SI	X	-0.0028	-0.0002	0.0008	0.0035	0.0038	-0.0032
	Y	0.0001	0.0005	0.0010	-0.0050	0.0015	0.0038
	Z	-0.0004	0.0010	-0.0038	-0.0008	0.0036	-0.0049
AT. 11 SI	X	0.0028	0.0002	-0.0008	-0.0035	0.0038	0.0032
	Y	0.0001	0.0005	0.0010	-0.0050	-0.0015	0.0038
	Z	0.0004	-0.0010	0.0038	0.0008	0.0036	0.0049
AT. 12 SI	X	-0.0028	0.0002	0.0008	-0.0035	0.0038	-0.0032
	Y	-0.0001	0.0005	-0.0010	-0.0050	-0.0015	-0.0038
	Z	0.0004	0.0010	0.0038	-0.0008	-0.0036	0.0049
AT. 13 SI	X	0.0028	-0.0002	0.0008	-0.0035	0.0038	0.0032
	Y	-0.0001	0.0005	0.0010	0.0050	0.0015	-0.0038
	Z	-0.0004	-0.0010	0.0038	-0.0008	-0.0036	-0.0049
AT. 14 SI	X	-0.0028	-0.0002	-0.0008	-0.0035	0.0038	-0.0032
	Y	0.0001	0.0005	-0.0010	0.0050	0.0015	0.0038
	Z	-0.0004	0.0010	0.0038	0.0008	0.0036	-0.0049
AT. 15 SI	X	0.0028	0.0002	0.0008	0.0035	0.0038	0.0032
	Y	0.0001	0.0005	-0.0010	0.0050	-0.0015	0.0038
	Z	0.0004	-0.0010	-0.0038	-0.0008	0.0036	0.0049

AT.	16	SI	X	-0.0028	0.0002	-0.0008	0.0035	0.0038	-0.0032
			Y	-0.0001	0.0005	0.0010	0.0050	-0.0015	-0.0038
			Z	0.0004	0.0010	-0.0038	0.0008	-0.0036	0.0049
AT.	17	SI	X	0.0000	0.0000	0.0000	0.0000	0.0061	0.0000
			Y	-0.0021	-0.0005	-0.0045	-0.0021	0.0000	-0.0012
			Z	0.0000	0.0000	0.0000	0.0000	0.0035	0.0000
AT.	18	SI	X	0.0000	0.0000	0.0000	0.0000	0.0061	0.0000
			Y	0.0021	-0.0005	0.0045	-0.0021	0.0000	0.0012
			Z	0.0000	0.0000	0.0000	0.0000	-0.0035	0.0000
AT.	19	SI	X	0.0000	0.0000	0.0000	0.0000	0.0061	0.0000
			Y	-0.0021	-0.0005	0.0045	0.0021	0.0000	-0.0012
			Z	0.0000	0.0000	0.0000	0.0000	0.0035	0.0000
AT.	20	SI	X	0.0000	0.0000	0.0000	0.0000	0.0061	0.0000
			Y	0.0021	-0.0005	-0.0045	0.0021	0.0000	0.0012
			Z	0.0000	0.0000	0.0000	0.0000	-0.0035	0.0000
AT.	21	CA	X	-0.0027	0.0032	-0.0021	0.0079	-0.0011	-0.0010
			Y	0.0093	0.0021	0.0074	0.0157	0.0060	0.0066
			Z	-0.0001	-0.0018	0.0072	-0.0058	-0.0039	-0.0010
AT.	22	CA	X	0.0027	0.0032	0.0021	0.0079	-0.0011	0.0010
			Y	-0.0093	0.0021	-0.0074	0.0157	0.0060	-0.0066
			Z	-0.0001	0.0018	0.0072	0.0058	0.0039	-0.0010
AT.	23	CA	X	-0.0027	-0.0032	-0.0021	-0.0079	-0.0011	-0.0010
			Y	-0.0093	0.0021	-0.0074	0.0157	-0.0060	-0.0066
			Z	0.0001	-0.0018	-0.0072	-0.0058	0.0039	0.0010
AT.	24	CA	X	0.0027	-0.0032	0.0021	-0.0079	-0.0011	0.0010
			Y	0.0093	0.0021	0.0074	0.0157	-0.0060	0.0066
			Z	0.0001	0.0018	-0.0072	0.0058	-0.0039	0.0010
AT.	25	CA	X	-0.0027	0.0032	0.0021	-0.0079	-0.0011	-0.0010
			Y	0.0093	0.0021	-0.0074	-0.0157	0.0060	0.0066
			Z	-0.0001	-0.0018	-0.0072	0.0058	-0.0039	-0.0010
AT.	26	CA	X	0.0027	0.0032	-0.0021	-0.0079	-0.0011	0.0010
			Y	-0.0093	0.0021	0.0074	-0.0157	0.0060	-0.0066
			Z	-0.0001	0.0018	-0.0072	-0.0058	0.0039	-0.0010
AT.	27	CA	X	-0.0027	-0.0032	0.0021	0.0079	-0.0011	-0.0010
			Y	-0.0093	0.0021	0.0074	-0.0157	-0.0060	-0.0066
			Z	0.0001	-0.0018	0.0072	0.0058	0.0039	0.0010
AT.	28	CA	X	0.0027	-0.0032	-0.0021	0.0079	-0.0011	0.0010
			Y	0.0093	0.0021	-0.0074	-0.0157	-0.0060	0.0066
			Z	0.0001	0.0018	0.0072	-0.0058	-0.0039	0.0010
AT.	29	CA	X	-0.0101	0.0064	0.0000	0.0000	0.0032	0.0012
			Y	0.0051	0.0101	0.0000	0.0000	0.0084	0.0092
			Z	-0.0055	0.0155	0.0000	0.0000	0.0140	0.0134
AT.	30	CA	X	0.0101	0.0064	0.0000	0.0000	0.0032	-0.0012
			Y	-0.0051	0.0101	0.0000	0.0000	0.0084	-0.0092
			Z	-0.0055	-0.0155	0.0000	0.0000	-0.0140	0.0134
AT.	31	CA	X	-0.0101	-0.0064	0.0000	0.0000	0.0032	0.0012
			Y	-0.0051	0.0101	0.0000	0.0000	-0.0084	-0.0092
			Z	0.0055	0.0155	0.0000	0.0000	-0.0140	-0.0134
AT.	32	CA	X	0.0101	-0.0064	0.0000	0.0000	0.0032	-0.0012
			Y	0.0051	0.0101	0.0000	0.0000	-0.0084	0.0092
			Z	0.0055	-0.0155	0.0000	0.0000	0.0140	-0.0134
AT.	33	CA	X	-0.0061	-0.0047	0.0071	-0.0070	-0.0082	-0.0095
			Y	0.0037	-0.0037	0.0025	0.0006	0.0014	0.0003
			Z	0.0003	0.0039	-0.0083	0.0003	-0.0003	0.0016
AT.	34	CA	X	0.0061	-0.0047	-0.0071	-0.0070	-0.0082	0.0095
			Y	-0.0037	-0.0037	-0.0025	0.0006	0.0014	-0.0003
			Z	0.0003	-0.0039	-0.0083	-0.0003	0.0003	0.0016
AT.	35	CA	X	-0.0061	0.0047	0.0071	0.0070	-0.0082	-0.0095
			Y	-0.0037	-0.0037	-0.0025	0.0006	-0.0014	-0.0003
			Z	-0.0003	0.0039	0.0083	0.0003	0.0003	-0.0016
AT.	36	CA	X	0.0061	0.0047	-0.0071	0.0070	-0.0082	0.0095

		Y	0.0037	-0.0037	0.0025	0.0006	-0.0014	0.0003
		Z	-0.0003	-0.0039	0.0083	-0.0003	-0.0003	-0.0016
AT.	37	CA X	-0.0061	-0.0047	-0.0071	0.0070	-0.0082	-0.0095
		Y	0.0037	-0.0037	-0.0025	-0.0006	0.0014	0.0003
		Z	0.0003	0.0039	0.0083	-0.0003	-0.0003	0.0016
AT.	38	CA X	0.0061	-0.0047	0.0071	0.0070	-0.0082	0.0095
		Y	-0.0037	-0.0037	0.0025	-0.0006	0.0014	-0.0003
		Z	0.0003	-0.0039	0.0083	0.0003	0.0003	0.0016
AT.	39	CA X	-0.0061	0.0047	-0.0071	-0.0070	-0.0082	-0.0095
		Y	-0.0037	-0.0037	0.0025	-0.0006	-0.0014	-0.0003
		Z	-0.0003	0.0039	-0.0083	-0.0003	0.0003	-0.0016
AT.	40	CA X	0.0061	0.0047	0.0071	-0.0070	-0.0082	0.0095
		Y	0.0037	-0.0037	-0.0025	-0.0006	-0.0014	0.0003
		Z	-0.0003	-0.0039	-0.0083	0.0003	-0.0003	-0.0016
AT.	41	CA X	0.0010	-0.0029	-0.0024	-0.0040	-0.0064	-0.0048
		Y	0.0060	-0.0025	0.0039	-0.0048	-0.0019	-0.0032
		Z	0.0051	-0.0071	-0.0003	-0.0066	-0.0052	-0.0090
AT.	42	CA X	-0.0010	-0.0029	0.0024	-0.0040	-0.0064	0.0048
		Y	-0.0060	-0.0025	-0.0039	-0.0048	-0.0019	0.0032
		Z	0.0051	0.0071	-0.0003	0.0066	0.0052	-0.0090
AT.	43	CA X	0.0010	0.0029	-0.0024	0.0040	-0.0064	-0.0048
		Y	-0.0060	-0.0025	-0.0039	-0.0048	0.0019	0.0032
		Z	-0.0051	-0.0071	0.0003	-0.0066	0.0052	0.0090
AT.	44	CA X	-0.0010	0.0029	0.0024	0.0040	-0.0064	0.0048
		Y	0.0060	-0.0025	0.0039	-0.0048	0.0019	-0.0032
		Z	-0.0051	0.0071	0.0003	0.0066	-0.0052	0.0090
AT.	45	CA X	0.0010	-0.0029	0.0024	0.0040	-0.0064	-0.0048
		Y	0.0060	-0.0025	-0.0039	0.0048	-0.0019	-0.0032
		Z	0.0051	-0.0071	0.0003	0.0066	-0.0052	-0.0090
AT.	46	CA X	-0.0010	-0.0029	-0.0024	0.0040	-0.0064	0.0048
		Y	-0.0060	-0.0025	0.0039	0.0048	-0.0019	0.0032
		Z	0.0051	0.0071	0.0003	-0.0066	0.0052	-0.0090
AT.	47	CA X	0.0010	0.0029	0.0024	-0.0040	-0.0064	-0.0048
		Y	-0.0060	-0.0025	0.0039	0.0048	0.0019	0.0032
		Z	-0.0051	-0.0071	-0.0003	0.0066	0.0052	0.0090
AT.	48	CA X	-0.0010	0.0029	-0.0024	-0.0040	-0.0064	0.0048
		Y	0.0060	-0.0025	-0.0039	0.0048	0.0019	-0.0032
		Z	-0.0051	0.0071	-0.0003	-0.0066	-0.0052	0.0090
AT.	49	CA X	0.0000	0.0000	0.0000	0.0000	-0.0035	0.0000
		Y	0.0003	-0.0003	0.0054	-0.0084	0.0000	-0.0050
		Z	0.0000	0.0000	0.0000	0.0000	0.0010	0.0000
AT.	50	CA X	0.0000	0.0000	0.0000	0.0000	-0.0035	0.0000
		Y	-0.0003	-0.0003	-0.0054	-0.0084	0.0000	0.0050
		Z	0.0000	0.0000	0.0000	0.0000	-0.0010	0.0000
AT.	51	CA X	0.0000	0.0000	0.0000	0.0000	-0.0035	0.0000
		Y	0.0003	-0.0003	-0.0054	0.0084	0.0000	-0.0050
		Z	0.0000	0.0000	0.0000	0.0000	0.0010	0.0000
AT.	52	CA X	0.0000	0.0000	0.0000	0.0000	-0.0035	0.0000
		Y	-0.0003	-0.0003	0.0054	0.0084	0.0000	0.0050
		Z	0.0000	0.0000	0.0000	0.0000	-0.0010	0.0000
AT.	53	O X	0.0148	0.0001	0.0075	-0.0066	-0.0001	-0.0006
		Y	-0.0114	-0.0005	-0.0087	0.0155	-0.0015	0.0008
		Z	0.0003	0.0173	0.0013	-0.0088	0.0118	0.0140
AT.	54	O X	-0.0148	0.0001	-0.0075	-0.0066	-0.0001	0.0006
		Y	0.0114	-0.0005	0.0087	0.0155	-0.0015	-0.0008
		Z	0.0003	-0.0173	0.0013	0.0088	-0.0118	0.0140
AT.	55	O X	0.0148	-0.0001	0.0075	0.0066	-0.0001	-0.0006
		Y	0.0114	-0.0005	0.0087	0.0155	0.0015	-0.0008
		Z	-0.0003	0.0173	-0.0013	-0.0088	-0.0118	-0.0140
AT.	56	O X	-0.0148	-0.0001	-0.0075	0.0066	-0.0001	0.0006
		Y	-0.0114	-0.0005	-0.0087	0.0155	0.0015	0.0008

		Z	-0.0003	-0.0173	-0.0013	0.0088	0.0118	-0.0140
AT.	57 O	X	0.0148	0.0001	-0.0075	0.0066	-0.0001	-0.0006
		Y	-0.0114	-0.0005	0.0087	-0.0155	-0.0015	0.0008
		Z	0.0003	0.0173	-0.0013	0.0088	0.0118	0.0140
AT.	58 O	X	-0.0148	0.0001	0.0075	0.0066	-0.0001	0.0006
		Y	0.0114	-0.0005	-0.0087	-0.0155	-0.0015	-0.0008
		Z	0.0003	-0.0173	-0.0013	-0.0088	-0.0118	0.0140
AT.	59 O	X	0.0148	-0.0001	-0.0075	-0.0066	-0.0001	-0.0006
		Y	0.0114	-0.0005	-0.0087	-0.0155	0.0015	-0.0008
		Z	-0.0003	0.0173	0.0013	0.0088	-0.0118	-0.0140
AT.	60 O	X	-0.0148	-0.0001	0.0075	-0.0066	-0.0001	0.0006
		Y	-0.0114	-0.0005	0.0087	-0.0155	0.0015	0.0008
		Z	-0.0003	-0.0173	0.0013	-0.0088	0.0118	-0.0140
AT.	61 O	X	-0.0055	0.0188	-0.0061	-0.0014	0.0140	0.0169
		Y	-0.0131	-0.0013	-0.0168	0.0132	-0.0064	-0.0037
		Z	0.0012	0.0050	0.0101	-0.0060	0.0064	0.0043
AT.	62 O	X	0.0055	0.0188	0.0061	-0.0014	0.0140	-0.0169
		Y	0.0131	-0.0013	0.0168	0.0132	-0.0064	0.0037
		Z	0.0012	-0.0050	0.0101	0.0060	-0.0064	0.0043
AT.	63 O	X	-0.0055	-0.0188	-0.0061	0.0014	0.0140	0.0169
		Y	0.0131	-0.0013	0.0168	0.0132	0.0064	0.0037
		Z	-0.0012	0.0050	-0.0101	-0.0060	-0.0064	-0.0043
AT.	64 O	X	0.0055	-0.0188	0.0061	0.0014	0.0140	-0.0169
		Y	-0.0131	-0.0013	-0.0168	0.0132	0.0064	-0.0037
		Z	-0.0012	-0.0050	-0.0101	0.0060	0.0064	-0.0043
AT.	65 O	X	-0.0055	0.0188	0.0061	0.0014	0.0140	0.0169
		Y	-0.0131	-0.0013	0.0168	-0.0132	-0.0064	-0.0037
		Z	0.0012	0.0050	-0.0101	0.0060	0.0064	0.0043
AT.	66 O	X	0.0055	0.0188	-0.0061	0.0014	0.0140	-0.0169
		Y	0.0131	-0.0013	-0.0168	-0.0132	-0.0064	0.0037
		Z	0.0012	-0.0050	-0.0101	-0.0060	-0.0064	0.0043
AT.	67 O	X	-0.0055	-0.0188	0.0061	-0.0014	0.0140	0.0169
		Y	0.0131	-0.0013	-0.0168	-0.0132	0.0064	0.0037
		Z	-0.0012	0.0050	0.0101	0.0060	-0.0064	-0.0043
AT.	68 O	X	0.0055	-0.0188	-0.0061	-0.0014	0.0140	-0.0169
		Y	-0.0131	-0.0013	0.0168	-0.0132	0.0064	-0.0037
		Z	-0.0012	-0.0050	0.0101	-0.0060	0.0064	-0.0043
AT.	69 O	X	0.0031	-0.0189	-0.0086	0.0098	-0.0117	-0.0100
		Y	-0.0217	0.0017	-0.0130	0.0127	0.0040	0.0049
		Z	-0.0051	0.0094	0.0055	-0.0022	0.0122	0.0105
AT.	70 O	X	-0.0031	-0.0189	0.0086	0.0098	-0.0117	0.0100
		Y	0.0217	0.0017	0.0130	0.0127	0.0040	-0.0049
		Z	-0.0051	-0.0094	0.0055	0.0022	-0.0122	0.0105
AT.	71 O	X	0.0031	0.0189	-0.0086	-0.0098	-0.0117	-0.0100
		Y	0.0217	0.0017	0.0130	0.0127	-0.0040	-0.0049
		Z	0.0051	0.0094	-0.0055	-0.0022	-0.0122	-0.0105
AT.	72 O	X	-0.0031	0.0189	0.0086	-0.0098	-0.0117	0.0100
		Y	-0.0217	0.0017	-0.0130	0.0127	-0.0040	0.0049
		Z	0.0051	-0.0094	-0.0055	0.0022	0.0122	-0.0105
AT.	73 O	X	0.0031	-0.0189	0.0086	-0.0098	-0.0117	-0.0100
		Y	-0.0217	0.0017	0.0130	-0.0127	0.0040	0.0049
		Z	-0.0051	0.0094	-0.0055	0.0022	0.0122	0.0105
AT.	74 O	X	-0.0031	-0.0189	-0.0086	-0.0098	-0.0117	0.0100
		Y	0.0217	0.0017	-0.0130	-0.0127	0.0040	-0.0049
		Z	-0.0051	-0.0094	-0.0055	-0.0022	-0.0122	0.0105
AT.	75 O	X	0.0031	0.0189	0.0086	0.0098	-0.0117	-0.0100
		Y	0.0217	0.0017	-0.0130	-0.0127	-0.0040	-0.0049
		Z	0.0051	0.0094	0.0055	0.0022	-0.0122	-0.0105
AT.	76 O	X	-0.0031	0.0189	-0.0086	0.0098	-0.0117	0.0100
		Y	-0.0217	0.0017	0.0130	-0.0127	-0.0040	0.0049
		Z	0.0051	-0.0094	0.0055	-0.0022	0.0122	-0.0105

AT.	77	O	X	0.0033	0.0014	-0.0006	0.0010	0.0025	0.0039
			Y	0.0236	-0.0046	0.0196	-0.0107	-0.0055	-0.0059
			Z	0.0049	-0.0311	0.0041	0.0109	-0.0208	-0.0220
AT.	78	O	X	-0.0033	0.0014	0.0006	0.0010	0.0025	-0.0039
			Y	-0.0236	-0.0046	-0.0196	-0.0107	-0.0055	0.0059
			Z	0.0049	0.0311	0.0041	-0.0109	0.0208	-0.0220
AT.	79	O	X	0.0033	-0.0014	-0.0006	-0.0010	0.0025	0.0039
			Y	-0.0236	-0.0046	-0.0196	-0.0107	0.0055	0.0059
			Z	-0.0049	-0.0311	-0.0041	0.0109	0.0208	0.0220
AT.	80	O	X	-0.0033	-0.0014	0.0006	-0.0010	0.0025	-0.0039
			Y	0.0236	-0.0046	0.0196	-0.0107	0.0055	-0.0059
			Z	-0.0049	0.0311	-0.0041	-0.0109	-0.0208	0.0220
AT.	81	O	X	0.0033	0.0014	0.0006	-0.0010	0.0025	0.0039
			Y	0.0236	-0.0046	-0.0196	0.0107	-0.0055	-0.0059
			Z	0.0049	-0.0311	-0.0041	-0.0109	-0.0208	-0.0220
AT.	82	O	X	-0.0033	0.0014	-0.0006	-0.0010	0.0025	-0.0039
			Y	-0.0236	-0.0046	0.0196	0.0107	-0.0055	0.0059
			Z	0.0049	0.0311	-0.0041	0.0109	0.0208	-0.0220
AT.	83	O	X	0.0033	-0.0014	0.0006	0.0010	0.0025	0.0039
			Y	-0.0236	-0.0046	0.0196	0.0107	0.0055	0.0059
			Z	-0.0049	-0.0311	0.0041	-0.0109	0.0208	0.0220
AT.	84	O	X	-0.0033	-0.0014	-0.0006	0.0010	0.0025	-0.0039
			Y	0.0236	-0.0046	-0.0196	0.0107	0.0055	-0.0059
			Z	-0.0049	0.0311	0.0041	0.0109	-0.0208	0.0220
AT.	85	O	X	0.0029	0.0005	-0.0128	-0.0011	0.0054	0.0037
			Y	-0.0116	-0.0007	-0.0010	-0.0086	-0.0030	-0.0056
			Z	0.0054	-0.0005	-0.0107	0.0008	-0.0002	-0.0030
AT.	86	O	X	-0.0029	0.0005	0.0128	-0.0011	0.0054	-0.0037
			Y	0.0116	-0.0007	0.0010	-0.0086	-0.0030	0.0056
			Z	0.0054	0.0005	-0.0107	-0.0008	0.0002	-0.0030
AT.	87	O	X	0.0029	-0.0005	-0.0128	0.0011	0.0054	0.0037
			Y	0.0116	-0.0007	0.0010	-0.0086	0.0030	0.0056
			Z	-0.0054	-0.0005	0.0107	0.0008	0.0002	0.0030
AT.	88	O	X	-0.0029	-0.0005	0.0128	0.0011	0.0054	-0.0037
			Y	-0.0116	-0.0007	-0.0010	-0.0086	0.0030	-0.0056
			Z	-0.0054	0.0005	0.0107	-0.0008	-0.0002	0.0030
AT.	89	O	X	0.0029	0.0005	0.0128	0.0011	0.0054	0.0037
			Y	-0.0116	-0.0007	0.0010	0.0086	-0.0030	-0.0056
			Z	0.0054	-0.0005	0.0107	-0.0008	-0.0002	-0.0030
AT.	90	O	X	-0.0029	0.0005	-0.0128	0.0011	0.0054	-0.0037
			Y	0.0116	-0.0007	-0.0010	0.0086	-0.0030	0.0056
			Z	0.0054	0.0005	0.0107	0.0008	0.0002	-0.0030
AT.	91	O	X	0.0029	-0.0005	0.0128	-0.0011	0.0054	0.0037
			Y	0.0116	-0.0007	-0.0010	0.0086	0.0030	0.0056
			Z	-0.0054	-0.0005	-0.0107	-0.0008	0.0002	0.0030
AT.	92	O	X	-0.0029	-0.0005	-0.0128	-0.0011	0.0054	-0.0037
			Y	-0.0116	-0.0007	0.0010	0.0086	0.0030	-0.0056
			Z	-0.0054	0.0005	-0.0107	0.0008	-0.0002	0.0030
AT.	93	O	X	0.0066	0.0042	0.0077	0.0111	0.0051	0.0110
			Y	0.0000	-0.0013	-0.0048	-0.0083	0.0022	-0.0066
			Z	-0.0072	0.0009	-0.0070	-0.0025	-0.0175	-0.0096
AT.	94	O	X	-0.0066	0.0042	-0.0077	0.0111	0.0051	-0.0110
			Y	0.0000	-0.0013	0.0048	-0.0083	0.0022	0.0066
			Z	-0.0072	-0.0009	-0.0070	0.0025	0.0175	-0.0096
AT.	95	O	X	0.0066	-0.0042	0.0077	-0.0111	0.0051	0.0110
			Y	0.0000	-0.0013	0.0048	-0.0083	-0.0022	0.0066
			Z	0.0072	0.0009	0.0070	-0.0025	0.0175	0.0096
AT.	96	O	X	-0.0066	-0.0042	-0.0077	-0.0111	0.0051	-0.0110
			Y	0.0000	-0.0013	-0.0048	-0.0083	-0.0022	-0.0066
			Z	0.0072	-0.0009	0.0070	0.0025	-0.0175	0.0096
AT.	97	O	X	0.0066	0.0042	-0.0077	-0.0111	0.0051	0.0110

	Y	0.0000	-0.0013	0.0048	0.0083	0.0022	-0.0066
	Z	-0.0072	0.0009	0.0070	0.0025	-0.0175	-0.0096
AT. 98 O	X	-0.0066	0.0042	0.0077	-0.0111	0.0051	-0.0110
	Y	0.0000	-0.0013	-0.0048	0.0083	0.0022	0.0066
	Z	-0.0072	-0.0009	0.0070	-0.0025	0.0175	-0.0096
AT. 99 O	X	0.0066	-0.0042	-0.0077	0.0111	0.0051	0.0110
	Y	0.0000	-0.0013	-0.0048	0.0083	-0.0022	0.0066
	Z	0.0072	0.0009	-0.0070	0.0025	0.0175	0.0096
AT. 100 O	X	-0.0066	-0.0042	0.0077	0.0111	0.0051	-0.0110
	Y	0.0000	-0.0013	0.0048	0.0083	-0.0022	-0.0066
	Z	0.0072	-0.0009	-0.0070	-0.0025	-0.0175	0.0096
AT. 101 O	X	-0.0018	-0.0023	0.0003	0.0018	0.0081	0.0014
	Y	0.0012	-0.0004	-0.0116	-0.0033	-0.0020	-0.0062
	Z	0.0019	-0.0019	-0.0089	0.0017	-0.0022	-0.0041
AT. 102 O	X	0.0018	-0.0023	-0.0003	0.0018	0.0081	-0.0014
	Y	-0.0012	-0.0004	0.0116	-0.0033	-0.0020	0.0062
	Z	0.0019	0.0019	-0.0089	-0.0017	0.0022	-0.0041
AT. 103 O	X	-0.0018	0.0023	0.0003	-0.0018	0.0081	0.0014
	Y	-0.0012	-0.0004	0.0116	-0.0033	0.0020	0.0062
	Z	-0.0019	-0.0019	0.0089	0.0017	0.0022	0.0041
AT. 104 O	X	0.0018	0.0023	-0.0003	-0.0018	0.0081	-0.0014
	Y	0.0012	-0.0004	-0.0116	-0.0033	0.0020	-0.0062
	Z	-0.0019	0.0019	0.0089	-0.0017	-0.0022	0.0041
AT. 105 O	X	-0.0018	-0.0023	-0.0003	-0.0018	0.0081	0.0014
	Y	0.0012	-0.0004	0.0116	0.0033	-0.0020	-0.0062
	Z	0.0019	-0.0019	0.0089	-0.0017	-0.0022	-0.0041
AT. 106 O	X	0.0018	-0.0023	0.0003	-0.0018	0.0081	-0.0014
	Y	-0.0012	-0.0004	-0.0116	0.0033	-0.0020	0.0062
	Z	0.0019	0.0019	0.0089	0.0017	0.0022	-0.0041
AT. 107 O	X	-0.0018	0.0023	-0.0003	0.0018	0.0081	0.0014
	Y	-0.0012	-0.0004	-0.0116	0.0033	0.0020	0.0062
	Z	-0.0019	-0.0019	-0.0089	-0.0017	0.0022	0.0041
AT. 108 O	X	0.0018	0.0023	0.0003	0.0018	0.0081	-0.0014
	Y	0.0012	-0.0004	0.0116	0.0033	0.0020	-0.0062
	Z	-0.0019	0.0019	-0.0089	0.0017	-0.0022	0.0041
AT. 109 O	X	0.0028	-0.0003	-0.0011	0.0038	0.0049	0.0041
	Y	0.0126	0.0067	0.0089	0.0085	0.0123	0.0105
	Z	-0.0021	-0.0042	0.0107	0.0009	0.0080	0.0085
AT. 110 O	X	-0.0028	-0.0003	0.0011	0.0038	0.0049	-0.0041
	Y	-0.0126	0.0067	-0.0089	0.0085	0.0123	-0.0105
	Z	-0.0021	0.0042	0.0107	-0.0009	-0.0080	0.0085
AT. 111 O	X	0.0028	0.0003	-0.0011	-0.0038	0.0049	0.0041
	Y	-0.0126	0.0067	-0.0089	0.0085	-0.0123	-0.0105
	Z	0.0021	-0.0042	-0.0107	0.0009	-0.0080	-0.0085
AT. 112 O	X	-0.0028	0.0003	0.0011	-0.0038	0.0049	-0.0041
	Y	0.0126	0.0067	0.0089	0.0085	-0.0123	0.0105
	Z	0.0021	0.0042	-0.0107	-0.0009	0.0080	-0.0085
AT. 113 O	X	0.0028	-0.0003	0.0011	-0.0038	0.0049	0.0041
	Y	0.0126	0.0067	-0.0089	-0.0085	0.0123	0.0105
	Z	-0.0021	-0.0042	-0.0107	-0.0009	0.0080	0.0085
AT. 114 O	X	-0.0028	-0.0003	-0.0011	-0.0038	0.0049	-0.0041
	Y	-0.0126	0.0067	0.0089	-0.0085	0.0123	-0.0105
	Z	-0.0021	0.0042	-0.0107	0.0009	-0.0080	0.0085
AT. 115 O	X	0.0028	0.0003	0.0011	0.0038	0.0049	0.0041
	Y	-0.0126	0.0067	0.0089	-0.0085	-0.0123	-0.0105
	Z	0.0021	-0.0042	0.0107	-0.0009	-0.0080	-0.0085
AT. 116 O	X	-0.0028	0.0003	-0.0011	0.0038	0.0049	-0.0041
	Y	0.0126	0.0067	-0.0089	-0.0085	-0.0123	0.0105
	Z	0.0021	0.0042	0.0107	0.0009	0.0080	-0.0085
AT. 117 O	X	-0.0049	-0.0002	0.0080	-0.0026	-0.0049	-0.0003
	Y	-0.0038	0.0010	-0.0026	0.0014	0.0045	0.0004

	Z	0.0055	-0.0011	-0.0100	0.0011	0.0092	-0.0005
AT. 118 O	X	0.0049	-0.0002	-0.0080	-0.0026	-0.0049	0.0003
	Y	0.0038	0.0010	0.0026	0.0014	0.0045	-0.0004
	Z	0.0055	0.0011	-0.0100	-0.0011	-0.0092	-0.0005
AT. 119 O	X	-0.0049	0.0002	0.0080	0.0026	-0.0049	-0.0003
	Y	0.0038	0.0010	0.0026	0.0014	-0.0045	-0.0004
	Z	-0.0055	-0.0011	0.0100	0.0011	-0.0092	0.0005
AT. 120 O	X	0.0049	0.0002	-0.0080	0.0026	-0.0049	0.0003
	Y	-0.0038	0.0010	-0.0026	0.0014	-0.0045	0.0004
	Z	-0.0055	0.0011	0.0100	-0.0011	0.0092	0.0005
AT. 121 O	X	-0.0049	-0.0002	-0.0080	0.0026	-0.0049	-0.0003
	Y	-0.0038	0.0010	0.0026	-0.0014	0.0045	0.0004
	Z	0.0055	-0.0011	0.0100	-0.0011	0.0092	-0.0005
AT. 122 O	X	0.0049	-0.0002	0.0080	0.0026	-0.0049	0.0003
	Y	0.0038	0.0010	-0.0026	-0.0014	0.0045	-0.0004
	Z	0.0055	0.0011	0.0100	0.0011	-0.0092	-0.0005
AT. 123 O	X	-0.0049	0.0002	-0.0080	-0.0026	-0.0049	-0.0003
	Y	0.0038	0.0010	-0.0026	-0.0014	-0.0045	-0.0004
	Z	-0.0055	-0.0011	-0.0100	-0.0011	-0.0092	0.0005
AT. 124 O	X	0.0049	0.0002	0.0080	-0.0026	-0.0049	0.0003
	Y	-0.0038	0.0010	0.0026	-0.0014	-0.0045	0.0004
	Z	-0.0055	0.0011	-0.0100	0.0011	0.0092	0.0005

FREQ(CM**-1)		317.75	318.26	318.85	320.31	321.29	321.68
AT. 1 SI	X	0.0039	0.0020	-0.0025	-0.0024	-0.0029	-0.0011
	Y	0.0014	0.0000	0.0001	-0.0007	-0.0008	-0.0048
	Z	0.0027	-0.0041	0.0038	-0.0095	-0.0047	0.0001
AT. 2 SI	X	0.0039	0.0020	0.0025	0.0024	0.0029	0.0011
	Y	0.0014	0.0000	-0.0001	0.0007	0.0008	0.0048
	Z	-0.0027	0.0041	0.0038	-0.0095	-0.0047	0.0001
AT. 3 SI	X	0.0039	0.0020	0.0025	0.0024	-0.0029	0.0011
	Y	-0.0014	0.0000	0.0001	-0.0007	0.0008	-0.0048
	Z	-0.0027	0.0041	0.0038	-0.0095	0.0047	0.0001
AT. 4 SI	X	0.0039	0.0020	-0.0025	-0.0024	0.0029	-0.0011
	Y	-0.0014	0.0000	-0.0001	0.0007	-0.0008	0.0048
	Z	0.0027	-0.0041	0.0038	-0.0095	0.0047	0.0001
AT. 5 SI	X	-0.0039	0.0020	0.0025	0.0024	0.0029	-0.0011
	Y	-0.0014	0.0000	-0.0001	0.0007	0.0008	-0.0048
	Z	-0.0027	-0.0041	-0.0038	0.0095	0.0047	0.0001
AT. 6 SI	X	-0.0039	0.0020	-0.0025	-0.0024	-0.0029	0.0011
	Y	-0.0014	0.0000	0.0001	-0.0007	-0.0008	0.0048
	Z	0.0027	0.0041	-0.0038	0.0095	0.0047	0.0001
AT. 7 SI	X	-0.0039	0.0020	-0.0025	-0.0024	0.0029	0.0011
	Y	0.0014	0.0000	-0.0001	0.0007	-0.0008	-0.0048
	Z	0.0027	0.0041	-0.0038	0.0095	-0.0047	0.0001
AT. 8 SI	X	-0.0039	0.0020	0.0025	0.0024	-0.0029	-0.0011
	Y	0.0014	0.0000	0.0001	-0.0007	0.0008	0.0048
	Z	-0.0027	-0.0041	-0.0038	0.0095	-0.0047	0.0001
AT. 9 SI	X	0.0018	-0.0004	0.0004	-0.0006	0.0009	0.0001
	Y	-0.0004	-0.0077	0.0079	-0.0007	-0.0013	-0.0007
	Z	-0.0003	-0.0025	0.0025	0.0009	0.0031	0.0004
AT. 10 SI	X	0.0018	-0.0004	-0.0004	0.0006	-0.0009	-0.0001
	Y	-0.0004	-0.0077	-0.0079	0.0007	0.0013	0.0007
	Z	0.0003	0.0025	0.0025	0.0009	0.0031	0.0004
AT. 11 SI	X	0.0018	-0.0004	-0.0004	0.0006	0.0009	-0.0001
	Y	0.0004	0.0077	0.0079	-0.0007	0.0013	-0.0007
	Z	0.0003	0.0025	0.0025	0.0009	-0.0031	0.0004
AT. 12 SI	X	0.0018	-0.0004	0.0004	-0.0006	-0.0009	0.0001
	Y	0.0004	0.0077	-0.0079	0.0007	-0.0013	0.0007
	Z	-0.0003	-0.0025	0.0025	0.0009	-0.0031	0.0004

AT.	13	SI	X	-0.0018	-0.0004	-0.0004	0.0006	-0.0009	0.0001
			Y	0.0004	-0.0077	-0.0079	0.0007	0.0013	-0.0007
			Z	0.0003	-0.0025	-0.0025	-0.0009	-0.0031	0.0004
AT.	14	SI	X	-0.0018	-0.0004	0.0004	-0.0006	0.0009	-0.0001
			Y	0.0004	-0.0077	0.0079	-0.0007	-0.0013	0.0007
			Z	-0.0003	0.0025	-0.0025	-0.0009	-0.0031	0.0004
AT.	15	SI	X	-0.0018	-0.0004	0.0004	-0.0006	-0.0009	-0.0001
			Y	-0.0004	0.0077	-0.0079	0.0007	-0.0013	-0.0007
			Z	-0.0003	0.0025	-0.0025	-0.0009	0.0031	0.0004
AT.	16	SI	X	-0.0018	-0.0004	-0.0004	0.0006	0.0009	0.0001
			Y	-0.0004	0.0077	0.0079	-0.0007	0.0013	0.0007
			Z	0.0003	-0.0025	-0.0025	-0.0009	0.0031	0.0004
AT.	17	SI	X	-0.0074	-0.0078	0.0094	-0.0002	0.0000	0.0011
			Y	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
			Z	-0.0082	-0.0037	0.0044	-0.0012	0.0000	0.0009
AT.	18	SI	X	-0.0074	-0.0078	-0.0094	0.0002	0.0000	-0.0011
			Y	0.0000	0.0000	0.0000	0.0000	-0.0005	0.0000
			Z	0.0082	0.0037	0.0044	-0.0012	0.0000	0.0009
AT.	19	SI	X	0.0074	-0.0078	-0.0094	0.0002	0.0000	0.0011
			Y	0.0000	0.0000	0.0000	0.0000	-0.0005	0.0000
			Z	0.0082	-0.0037	-0.0044	0.0012	0.0000	0.0009
AT.	20	SI	X	0.0074	-0.0078	0.0094	-0.0002	0.0000	-0.0011
			Y	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
			Z	-0.0082	0.0037	-0.0044	0.0012	0.0000	0.0009
AT.	21	CA	X	0.0008	-0.0001	-0.0002	0.0049	-0.0004	-0.0013
			Y	0.0003	0.0016	0.0004	0.0020	0.0008	0.0141
			Z	0.0053	0.0041	0.0000	-0.0043	-0.0071	-0.0023
AT.	22	CA	X	0.0008	-0.0001	0.0002	-0.0049	0.0004	0.0013
			Y	0.0003	0.0016	-0.0004	-0.0020	-0.0008	-0.0141
			Z	-0.0053	-0.0041	0.0000	-0.0043	-0.0071	-0.0023
AT.	23	CA	X	0.0008	-0.0001	0.0002	-0.0049	-0.0004	0.0013
			Y	-0.0003	-0.0016	0.0004	0.0020	-0.0008	0.0141
			Z	-0.0053	-0.0041	0.0000	-0.0043	0.0071	-0.0023
AT.	24	CA	X	0.0008	-0.0001	-0.0002	0.0049	0.0004	-0.0013
			Y	-0.0003	-0.0016	-0.0004	-0.0020	0.0008	-0.0141
			Z	0.0053	0.0041	0.0000	-0.0043	0.0071	-0.0023
AT.	25	CA	X	-0.0008	-0.0001	0.0002	-0.0049	0.0004	-0.0013
			Y	-0.0003	0.0016	-0.0004	-0.0020	-0.0008	0.0141
			Z	-0.0053	0.0041	0.0000	0.0043	0.0071	-0.0023
AT.	26	CA	X	-0.0008	-0.0001	-0.0002	0.0049	-0.0004	0.0013
			Y	-0.0003	0.0016	0.0004	0.0020	0.0008	-0.0141
			Z	0.0053	-0.0041	0.0000	0.0043	0.0071	-0.0023
AT.	27	CA	X	-0.0008	-0.0001	-0.0002	0.0049	0.0004	0.0013
			Y	0.0003	-0.0016	-0.0004	-0.0020	0.0008	0.0141
			Z	0.0053	-0.0041	0.0000	0.0043	-0.0071	-0.0023
AT.	28	CA	X	-0.0008	-0.0001	0.0002	-0.0049	-0.0004	-0.0013
			Y	0.0003	-0.0016	0.0004	0.0020	-0.0008	-0.0141
			Z	-0.0053	0.0041	0.0000	0.0043	-0.0071	-0.0023
AT.	29	CA	X	0.0000	-0.0009	0.0000	0.0000	0.0000	0.0066
			Y	0.0000	0.0037	0.0000	0.0000	0.0000	-0.0006
			Z	0.0000	0.0025	0.0000	0.0000	0.0000	0.0046
AT.	30	CA	X	0.0000	-0.0009	0.0000	0.0000	0.0000	-0.0066
			Y	0.0000	0.0037	0.0000	0.0000	0.0000	0.0006
			Z	0.0000	-0.0025	0.0000	0.0000	0.0000	0.0046
AT.	31	CA	X	0.0000	-0.0009	0.0000	0.0000	0.0000	-0.0066
			Y	0.0000	-0.0037	0.0000	0.0000	0.0000	-0.0006
			Z	0.0000	-0.0025	0.0000	0.0000	0.0000	0.0046
AT.	32	CA	X	0.0000	-0.0009	0.0000	0.0000	0.0000	0.0066
			Y	0.0000	-0.0037	0.0000	0.0000	0.0000	0.0006
			Z	0.0000	0.0025	0.0000	0.0000	0.0000	0.0046
AT.	33	CA	X	-0.0083	-0.0078	0.0074	0.0012	0.0039	0.0024

		Y	-0.0042	-0.0034	0.0027	0.0006	0.0039	0.0013
		Z	0.0072	0.0107	-0.0102	0.0013	-0.0056	-0.0034
AT.	34	CA X	-0.0083	-0.0078	-0.0074	-0.0012	-0.0039	-0.0024
		Y	-0.0042	-0.0034	-0.0027	-0.0006	-0.0039	-0.0013
		Z	-0.0072	-0.0107	-0.0102	0.0013	-0.0056	-0.0034
AT.	35	CA X	-0.0083	-0.0078	-0.0074	-0.0012	0.0039	-0.0024
		Y	0.0042	0.0034	0.0027	0.0006	-0.0039	0.0013
		Z	-0.0072	-0.0107	-0.0102	0.0013	0.0056	-0.0034
AT.	36	CA X	-0.0083	-0.0078	0.0074	0.0012	-0.0039	0.0024
		Y	0.0042	0.0034	-0.0027	-0.0006	0.0039	-0.0013
		Z	0.0072	0.0107	-0.0102	0.0013	0.0056	-0.0034
AT.	37	CA X	0.0083	-0.0078	-0.0074	-0.0012	-0.0039	0.0024
		Y	0.0042	-0.0034	-0.0027	-0.0006	-0.0039	0.0013
		Z	-0.0072	0.0107	0.0102	-0.0013	0.0056	-0.0034
AT.	38	CA X	0.0083	-0.0078	0.0074	0.0012	0.0039	-0.0024
		Y	0.0042	-0.0034	0.0027	0.0006	0.0039	-0.0013
		Z	0.0072	-0.0107	0.0102	-0.0013	0.0056	-0.0034
AT.	39	CA X	0.0083	-0.0078	0.0074	0.0012	-0.0039	-0.0024
		Y	-0.0042	0.0034	-0.0027	-0.0006	0.0039	0.0013
		Z	0.0072	-0.0107	0.0102	-0.0013	-0.0056	-0.0034
AT.	40	CA X	0.0083	-0.0078	-0.0074	-0.0012	0.0039	0.0024
		Y	-0.0042	0.0034	0.0027	0.0006	-0.0039	-0.0013
		Z	-0.0072	0.0107	0.0102	-0.0013	-0.0056	-0.0034
AT.	41	CA X	-0.0084	0.0019	-0.0016	0.0043	0.0051	0.0039
		Y	-0.0024	0.0034	-0.0034	0.0061	0.0036	0.0034
		Z	-0.0055	-0.0025	0.0045	0.0092	0.0095	0.0022
AT.	42	CA X	-0.0084	0.0019	0.0016	-0.0043	-0.0051	-0.0039
		Y	-0.0024	0.0034	0.0034	-0.0061	-0.0036	-0.0034
		Z	0.0055	0.0025	0.0045	0.0092	0.0095	0.0022
AT.	43	CA X	-0.0084	0.0019	0.0016	-0.0043	0.0051	-0.0039
		Y	0.0024	-0.0034	-0.0034	0.0061	-0.0036	0.0034
		Z	0.0055	0.0025	0.0045	0.0092	-0.0095	0.0022
AT.	44	CA X	-0.0084	0.0019	-0.0016	0.0043	-0.0051	0.0039
		Y	0.0024	-0.0034	0.0034	-0.0061	0.0036	-0.0034
		Z	-0.0055	-0.0025	0.0045	0.0092	-0.0095	0.0022
AT.	45	CA X	0.0084	0.0019	0.0016	-0.0043	-0.0051	0.0039
		Y	0.0024	0.0034	0.0034	-0.0061	-0.0036	0.0034
		Z	0.0055	-0.0025	-0.0045	-0.0092	-0.0095	0.0022
AT.	46	CA X	0.0084	0.0019	-0.0016	0.0043	0.0051	-0.0039
		Y	0.0024	0.0034	-0.0034	0.0061	0.0036	-0.0034
		Z	-0.0055	0.0025	-0.0045	-0.0092	-0.0095	0.0022
AT.	47	CA X	0.0084	0.0019	-0.0016	0.0043	-0.0051	-0.0039
		Y	-0.0024	-0.0034	0.0034	-0.0061	0.0036	0.0034
		Z	-0.0055	0.0025	-0.0045	-0.0092	0.0095	0.0022
AT.	48	CA X	0.0084	0.0019	0.0016	-0.0043	0.0051	0.0039
		Y	-0.0024	-0.0034	-0.0034	0.0061	-0.0036	-0.0034
		Z	0.0055	-0.0025	-0.0045	-0.0092	0.0095	0.0022
AT.	49	CA X	0.0013	0.0017	-0.0018	0.0011	0.0000	-0.0024
		Y	0.0000	0.0000	0.0000	0.0000	0.0006	0.0000
		Z	0.0001	0.0017	-0.0024	0.0019	0.0000	-0.0007
AT.	50	CA X	0.0013	0.0017	0.0018	-0.0011	0.0000	0.0024
		Y	0.0000	0.0000	0.0000	0.0000	-0.0006	0.0000
		Z	-0.0001	-0.0017	-0.0024	0.0019	0.0000	-0.0007
AT.	51	CA X	-0.0013	0.0017	0.0018	-0.0011	0.0000	-0.0024
		Y	0.0000	0.0000	0.0000	0.0000	-0.0006	0.0000
		Z	-0.0001	0.0017	0.0024	-0.0019	0.0000	-0.0007
AT.	52	CA X	-0.0013	0.0017	-0.0018	0.0011	0.0000	0.0024
		Y	0.0000	0.0000	0.0000	0.0000	0.0006	0.0000
		Z	0.0001	-0.0017	0.0024	-0.0019	0.0000	-0.0007
AT.	53	O X	0.0049	0.0009	-0.0007	-0.0049	-0.0026	0.0127
		Y	0.0023	0.0019	-0.0019	0.0001	-0.0022	-0.0122

		Z	0.0185	0.0003	-0.0033	-0.0248	-0.0211	0.0022
AT.	54 O	X	0.0049	0.0009	0.0007	0.0049	0.0026	-0.0127
		Y	0.0023	0.0019	0.0019	-0.0001	0.0022	0.0122
		Z	-0.0185	-0.0003	-0.0033	-0.0248	-0.0211	0.0022
AT.	55 O	X	0.0049	0.0009	0.0007	0.0049	-0.0026	-0.0127
		Y	-0.0023	-0.0019	-0.0019	0.0001	0.0022	-0.0122
		Z	-0.0185	-0.0003	-0.0033	-0.0248	0.0211	0.0022
AT.	56 O	X	0.0049	0.0009	-0.0007	-0.0049	0.0026	0.0127
		Y	-0.0023	-0.0019	0.0019	-0.0001	-0.0022	0.0122
		Z	0.0185	0.0003	-0.0033	-0.0248	0.0211	0.0022
AT.	57 O	X	-0.0049	0.0009	0.0007	0.0049	0.0026	0.0127
		Y	-0.0023	0.0019	0.0019	-0.0001	0.0022	-0.0122
		Z	-0.0185	0.0003	0.0033	0.0248	0.0211	0.0022
AT.	58 O	X	-0.0049	0.0009	-0.0007	-0.0049	-0.0026	-0.0127
		Y	-0.0023	0.0019	-0.0019	0.0001	-0.0022	0.0122
		Z	0.0185	-0.0003	0.0033	0.0248	0.0211	0.0022
AT.	59 O	X	-0.0049	0.0009	-0.0007	-0.0049	0.0026	-0.0127
		Y	0.0023	-0.0019	0.0019	-0.0001	-0.0022	-0.0122
		Z	0.0185	-0.0003	0.0033	0.0248	-0.0211	0.0022
AT.	60 O	X	-0.0049	0.0009	0.0007	0.0049	-0.0026	0.0127
		Y	0.0023	-0.0019	-0.0019	0.0001	0.0022	0.0122
		Z	-0.0185	0.0003	0.0033	0.0248	-0.0211	0.0022
AT.	61 O	X	0.0190	0.0072	-0.0115	-0.0144	-0.0191	-0.0095
		Y	0.0022	0.0027	-0.0038	0.0021	-0.0031	-0.0204
		Z	0.0087	-0.0032	0.0011	-0.0145	-0.0106	0.0054
AT.	62 O	X	0.0190	0.0072	0.0115	0.0144	0.0191	0.0095
		Y	0.0022	0.0027	0.0038	-0.0021	0.0031	0.0204
		Z	-0.0087	0.0032	0.0011	-0.0145	-0.0106	0.0054
AT.	63 O	X	0.0190	0.0072	0.0115	0.0144	-0.0191	0.0095
		Y	-0.0022	-0.0027	-0.0038	0.0021	0.0031	-0.0204
		Z	-0.0087	0.0032	0.0011	-0.0145	0.0106	0.0054
AT.	64 O	X	0.0190	0.0072	-0.0115	-0.0144	0.0191	-0.0095
		Y	-0.0022	-0.0027	0.0038	-0.0021	-0.0031	0.0204
		Z	0.0087	-0.0032	0.0011	-0.0145	0.0106	0.0054
AT.	65 O	X	-0.0190	0.0072	0.0115	0.0144	0.0191	-0.0095
		Y	-0.0022	0.0027	0.0038	-0.0021	0.0031	-0.0204
		Z	-0.0087	-0.0032	-0.0011	0.0145	0.0106	0.0054
AT.	66 O	X	-0.0190	0.0072	-0.0115	-0.0144	-0.0191	0.0095
		Y	-0.0022	0.0027	-0.0038	0.0021	-0.0031	0.0204
		Z	0.0087	0.0032	-0.0011	0.0145	0.0106	0.0054
AT.	67 O	X	-0.0190	0.0072	-0.0115	-0.0144	0.0191	0.0095
		Y	0.0022	-0.0027	0.0038	-0.0021	-0.0031	-0.0204
		Z	0.0087	0.0032	-0.0011	0.0145	-0.0106	0.0054
AT.	68 O	X	-0.0190	0.0072	0.0115	0.0144	-0.0191	-0.0095
		Y	0.0022	-0.0027	-0.0038	0.0021	0.0031	0.0204
		Z	-0.0087	-0.0032	-0.0011	0.0145	-0.0106	0.0054
AT.	69 O	X	-0.0100	0.0022	0.0004	0.0119	0.0118	-0.0118
		Y	0.0072	-0.0004	-0.0023	-0.0027	-0.0069	-0.0185
		Z	0.0125	-0.0047	0.0011	-0.0171	-0.0152	-0.0021
AT.	70 O	X	-0.0100	0.0022	-0.0004	-0.0119	-0.0118	0.0118
		Y	0.0072	-0.0004	0.0023	0.0027	0.0069	0.0185
		Z	-0.0125	0.0047	0.0011	-0.0171	-0.0152	-0.0021
AT.	71 O	X	-0.0100	0.0022	-0.0004	-0.0119	0.0118	0.0118
		Y	-0.0072	0.0004	-0.0023	-0.0027	0.0069	-0.0185
		Z	-0.0125	0.0047	0.0011	-0.0171	0.0152	-0.0021
AT.	72 O	X	-0.0100	0.0022	0.0004	0.0119	-0.0118	-0.0118
		Y	-0.0072	0.0004	0.0023	0.0027	-0.0069	0.0185
		Z	0.0125	-0.0047	0.0011	-0.0171	0.0152	-0.0021
AT.	73 O	X	0.0100	0.0022	-0.0004	-0.0119	-0.0118	-0.0118
		Y	-0.0072	-0.0004	0.0023	0.0027	0.0069	-0.0185
		Z	-0.0125	-0.0047	-0.0011	0.0171	0.0152	-0.0021

AT.	74	O	X	0.0100	0.0022	0.0004	0.0119	0.0118	0.0118
			Y	-0.0072	-0.0004	-0.0023	-0.0027	-0.0069	0.0185
			Z	0.0125	0.0047	-0.0011	0.0171	0.0152	-0.0021
AT.	75	O	X	0.0100	0.0022	0.0004	0.0119	-0.0118	0.0118
			Y	0.0072	0.0004	0.0023	0.0027	-0.0069	-0.0185
			Z	0.0125	0.0047	-0.0011	0.0171	-0.0152	-0.0021
AT.	76	O	X	0.0100	0.0022	-0.0004	-0.0119	0.0118	-0.0118
			Y	0.0072	0.0004	-0.0023	-0.0027	0.0069	0.0185
			Z	-0.0125	-0.0047	-0.0011	0.0171	-0.0152	-0.0021
AT.	77	O	X	0.0051	0.0027	-0.0032	-0.0033	-0.0038	-0.0018
			Y	-0.0057	-0.0001	0.0032	-0.0009	0.0062	0.0217
			Z	-0.0246	-0.0068	0.0089	0.0246	0.0234	-0.0067
AT.	78	O	X	0.0051	0.0027	0.0032	0.0033	0.0038	0.0018
			Y	-0.0057	-0.0001	-0.0032	0.0009	-0.0062	-0.0217
			Z	0.0246	0.0068	0.0089	0.0246	0.0234	-0.0067
AT.	79	O	X	0.0051	0.0027	0.0032	0.0033	-0.0038	0.0018
			Y	0.0057	0.0001	0.0032	-0.0009	-0.0062	0.0217
			Z	0.0246	0.0068	0.0089	0.0246	-0.0234	-0.0067
AT.	80	O	X	0.0051	0.0027	-0.0032	-0.0033	0.0038	-0.0018
			Y	0.0057	0.0001	-0.0032	0.0009	0.0062	-0.0217
			Z	-0.0246	-0.0068	0.0089	0.0246	-0.0234	-0.0067
AT.	81	O	X	-0.0051	0.0027	0.0032	0.0033	0.0038	-0.0018
			Y	0.0057	-0.0001	-0.0032	0.0009	-0.0062	0.0217
			Z	0.0246	-0.0068	-0.0089	-0.0246	-0.0234	-0.0067
AT.	82	O	X	-0.0051	0.0027	-0.0032	-0.0033	-0.0038	0.0018
			Y	0.0057	-0.0001	0.0032	-0.0009	0.0062	-0.0217
			Z	-0.0246	0.0068	-0.0089	-0.0246	-0.0234	-0.0067
AT.	83	O	X	-0.0051	0.0027	-0.0032	-0.0033	0.0038	0.0018
			Y	-0.0057	0.0001	-0.0032	0.0009	0.0062	0.0217
			Z	-0.0246	0.0068	-0.0089	-0.0246	0.0234	-0.0067
AT.	84	O	X	-0.0051	0.0027	0.0032	0.0033	-0.0038	-0.0018
			Y	-0.0057	0.0001	0.0032	-0.0009	-0.0062	-0.0217
			Z	0.0246	-0.0068	-0.0089	-0.0246	0.0234	-0.0067
AT.	85	O	X	0.0026	-0.0084	0.0069	-0.0061	0.0017	0.0002
			Y	-0.0066	-0.0196	0.0191	-0.0036	0.0011	0.0009
			Z	0.0030	0.0004	-0.0008	-0.0001	0.0026	-0.0009
AT.	86	O	X	0.0026	-0.0084	-0.0069	0.0061	-0.0017	-0.0002
			Y	-0.0066	-0.0196	-0.0191	0.0036	-0.0011	-0.0009
			Z	-0.0030	-0.0004	-0.0008	-0.0001	0.0026	-0.0009
AT.	87	O	X	0.0026	-0.0084	-0.0069	0.0061	0.0017	-0.0002
			Y	0.0066	0.0196	0.0191	-0.0036	-0.0011	0.0009
			Z	-0.0030	-0.0004	-0.0008	-0.0001	-0.0026	-0.0009
AT.	88	O	X	0.0026	-0.0084	0.0069	-0.0061	-0.0017	0.0002
			Y	0.0066	0.0196	-0.0191	0.0036	0.0011	-0.0009
			Z	0.0030	0.0004	-0.0008	-0.0001	-0.0026	-0.0009
AT.	89	O	X	-0.0026	-0.0084	-0.0069	0.0061	-0.0017	0.0002
			Y	0.0066	-0.0196	-0.0191	0.0036	-0.0011	0.0009
			Z	-0.0030	0.0004	0.0008	0.0001	-0.0026	-0.0009
AT.	90	O	X	-0.0026	-0.0084	0.0069	-0.0061	0.0017	-0.0002
			Y	0.0066	-0.0196	0.0191	-0.0036	0.0011	-0.0009
			Z	0.0030	-0.0004	0.0008	0.0001	-0.0026	-0.0009
AT.	91	O	X	-0.0026	-0.0084	0.0069	-0.0061	-0.0017	-0.0002
			Y	-0.0066	0.0196	-0.0191	0.0036	0.0011	0.0009
			Z	0.0030	-0.0004	0.0008	0.0001	0.0026	-0.0009
AT.	92	O	X	-0.0026	-0.0084	-0.0069	0.0061	0.0017	0.0002
			Y	-0.0066	0.0196	0.0191	-0.0036	-0.0011	-0.0009
			Z	-0.0030	0.0004	0.0008	0.0001	0.0026	-0.0009
AT.	93	O	X	0.0077	0.0186	-0.0178	0.0013	-0.0055	-0.0019
			Y	-0.0033	-0.0154	0.0154	-0.0016	0.0019	0.0011
			Z	0.0033	0.0109	-0.0130	0.0067	-0.0018	-0.0097
AT.	94	O	X	0.0077	0.0186	0.0178	-0.0013	0.0055	0.0019

	Y	-0.0033	-0.0154	-0.0154	0.0016	-0.0019	-0.0011
	Z	-0.0033	-0.0109	-0.0130	0.0067	-0.0018	-0.0097
AT. 95 O	X	0.0077	0.0186	0.0178	-0.0013	-0.0055	0.0019
	Y	0.0033	0.0154	0.0154	-0.0016	-0.0019	0.0011
	Z	-0.0033	-0.0109	-0.0130	0.0067	0.0018	-0.0097
AT. 96 O	X	0.0077	0.0186	-0.0178	0.0013	0.0055	-0.0019
	Y	0.0033	0.0154	-0.0154	0.0016	0.0019	-0.0011
	Z	0.0033	0.0109	-0.0130	0.0067	0.0018	-0.0097
AT. 97 O	X	-0.0077	0.0186	0.0178	-0.0013	0.0055	-0.0019
	Y	0.0033	-0.0154	-0.0154	0.0016	-0.0019	0.0011
	Z	-0.0033	0.0109	0.0130	-0.0067	0.0018	-0.0097
AT. 98 O	X	-0.0077	0.0186	-0.0178	0.0013	-0.0055	0.0019
	Y	0.0033	-0.0154	0.0154	-0.0016	0.0019	-0.0011
	Z	0.0033	-0.0109	0.0130	-0.0067	0.0018	-0.0097
AT. 99 O	X	-0.0077	0.0186	-0.0178	0.0013	0.0055	0.0019
	Y	-0.0033	0.0154	-0.0154	0.0016	0.0019	0.0011
	Z	0.0033	-0.0109	0.0130	-0.0067	-0.0018	-0.0097
AT. 100 O	X	-0.0077	0.0186	0.0178	-0.0013	-0.0055	-0.0019
	Y	-0.0033	0.0154	0.0154	-0.0016	-0.0019	-0.0011
	Z	-0.0033	0.0109	0.0130	-0.0067	-0.0018	-0.0097
AT. 101 O	X	-0.0055	-0.0108	0.0120	-0.0025	0.0042	0.0051
	Y	-0.0005	-0.0037	0.0034	0.0010	0.0014	-0.0016
	Z	-0.0021	-0.0031	0.0025	0.0011	0.0046	-0.0004
AT. 102 O	X	-0.0055	-0.0108	-0.0120	0.0025	-0.0042	-0.0051
	Y	-0.0005	-0.0037	-0.0034	-0.0010	-0.0014	0.0016
	Z	0.0021	0.0031	0.0025	0.0011	0.0046	-0.0004
AT. 103 O	X	-0.0055	-0.0108	-0.0120	0.0025	0.0042	-0.0051
	Y	0.0005	0.0037	0.0034	0.0010	-0.0014	-0.0016
	Z	0.0021	0.0031	0.0025	0.0011	-0.0046	-0.0004
AT. 104 O	X	-0.0055	-0.0108	0.0120	-0.0025	-0.0042	0.0051
	Y	0.0005	0.0037	-0.0034	-0.0010	0.0014	0.0016
	Z	-0.0021	-0.0031	0.0025	0.0011	-0.0046	-0.0004
AT. 105 O	X	0.0055	-0.0108	-0.0120	0.0025	-0.0042	0.0051
	Y	0.0005	-0.0037	-0.0034	-0.0010	-0.0014	-0.0016
	Z	0.0021	-0.0031	-0.0025	-0.0011	-0.0046	-0.0004
AT. 106 O	X	0.0055	-0.0108	0.0120	-0.0025	0.0042	-0.0051
	Y	0.0005	-0.0037	0.0034	0.0010	0.0014	0.0016
	Z	-0.0021	0.0031	-0.0025	-0.0011	-0.0046	-0.0004
AT. 107 O	X	0.0055	-0.0108	0.0120	-0.0025	-0.0042	-0.0051
	Y	-0.0005	0.0037	-0.0034	-0.0010	0.0014	-0.0016
	Z	-0.0021	0.0031	-0.0025	-0.0011	0.0046	-0.0004
AT. 108 O	X	0.0055	-0.0108	-0.0120	0.0025	0.0042	0.0051
	Y	-0.0005	0.0037	0.0034	0.0010	-0.0014	0.0016
	Z	0.0021	-0.0031	-0.0025	-0.0011	0.0046	-0.0004
AT. 109 O	X	0.0018	-0.0013	0.0014	-0.0011	0.0010	0.0005
	Y	0.0068	0.0175	-0.0149	0.0010	-0.0110	-0.0045
	Z	-0.0016	-0.0119	0.0104	-0.0067	0.0076	0.0113
AT. 110 O	X	0.0018	-0.0013	-0.0014	0.0011	-0.0010	-0.0005
	Y	0.0068	0.0175	0.0149	-0.0010	0.0110	0.0045
	Z	0.0016	0.0119	0.0104	-0.0067	0.0076	0.0113
AT. 111 O	X	0.0018	-0.0013	-0.0014	0.0011	0.0010	-0.0005
	Y	-0.0068	-0.0175	-0.0149	0.0010	0.0110	-0.0045
	Z	0.0016	0.0119	0.0104	-0.0067	-0.0076	0.0113
AT. 112 O	X	0.0018	-0.0013	0.0014	-0.0011	-0.0010	0.0005
	Y	-0.0068	-0.0175	0.0149	-0.0010	-0.0110	0.0045
	Z	-0.0016	-0.0119	0.0104	-0.0067	-0.0076	0.0113
AT. 113 O	X	-0.0018	-0.0013	-0.0014	0.0011	-0.0010	0.0005
	Y	-0.0068	0.0175	0.0149	-0.0010	0.0110	-0.0045
	Z	0.0016	-0.0119	-0.0104	0.0067	-0.0076	0.0113
AT. 114 O	X	-0.0018	-0.0013	0.0014	-0.0011	0.0010	-0.0005
	Y	-0.0068	0.0175	-0.0149	0.0010	-0.0110	0.0045

	Z	-0.0016	0.0119	-0.0104	0.0067	-0.0076	0.0113
AT. 115 O	X	-0.0018	-0.0013	0.0014	-0.0011	-0.0010	-0.0005
	Y	0.0068	-0.0175	0.0149	-0.0010	-0.0110	-0.0045
	Z	-0.0016	0.0119	-0.0104	0.0067	0.0076	0.0113
AT. 116 O	X	-0.0018	-0.0013	-0.0014	0.0011	0.0010	0.0005
	Y	0.0068	-0.0175	-0.0149	0.0010	0.0110	0.0045
	Z	0.0016	-0.0119	-0.0104	0.0067	0.0076	0.0113
AT. 117 O	X	-0.0024	0.0065	-0.0072	0.0019	-0.0012	-0.0016
	Y	-0.0035	-0.0048	0.0065	-0.0020	-0.0015	0.0002
	Z	-0.0093	-0.0130	0.0143	-0.0012	0.0030	0.0035
AT. 118 O	X	-0.0024	0.0065	0.0072	-0.0019	0.0012	0.0016
	Y	-0.0035	-0.0048	-0.0065	0.0020	0.0015	-0.0002
	Z	0.0093	0.0130	0.0143	-0.0012	0.0030	0.0035
AT. 119 O	X	-0.0024	0.0065	0.0072	-0.0019	-0.0012	0.0016
	Y	0.0035	0.0048	0.0065	-0.0020	0.0015	0.0002
	Z	0.0093	0.0130	0.0143	-0.0012	-0.0030	0.0035
AT. 120 O	X	-0.0024	0.0065	-0.0072	0.0019	0.0012	-0.0016
	Y	0.0035	0.0048	-0.0065	0.0020	-0.0015	-0.0002
	Z	-0.0093	-0.0130	0.0143	-0.0012	-0.0030	0.0035
AT. 121 O	X	0.0024	0.0065	0.0072	-0.0019	0.0012	-0.0016
	Y	0.0035	-0.0048	-0.0065	0.0020	0.0015	0.0002
	Z	0.0093	-0.0130	-0.0143	0.0012	-0.0030	0.0035
AT. 122 O	X	0.0024	0.0065	-0.0072	0.0019	-0.0012	0.0016
	Y	0.0035	-0.0048	0.0065	-0.0020	-0.0015	-0.0002
	Z	-0.0093	0.0130	-0.0143	0.0012	-0.0030	0.0035
AT. 123 O	X	0.0024	0.0065	-0.0072	0.0019	0.0012	0.0016
	Y	-0.0035	0.0048	-0.0065	0.0020	-0.0015	0.0002
	Z	-0.0093	0.0130	-0.0143	0.0012	0.0030	0.0035
AT. 124 O	X	0.0024	0.0065	0.0072	-0.0019	-0.0012	-0.0016
	Y	-0.0035	0.0048	0.0065	-0.0020	0.0015	-0.0002
	Z	0.0093	-0.0130	-0.0143	0.0012	0.0030	0.0035

FREQ(CM**-1)		321.80	322.88	328.14	330.04	332.97	334.33
AT. 1 SI	X	-0.0029	-0.0018	-0.0006	0.0011	-0.0001	0.0026
	Y	-0.0027	-0.0046	0.0018	-0.0025	-0.0006	-0.0001
	Z	-0.0082	0.0010	-0.0037	0.0049	0.0040	0.0012
AT. 2 SI	X	-0.0029	-0.0018	0.0006	-0.0011	-0.0001	-0.0026
	Y	-0.0027	-0.0046	-0.0018	0.0025	-0.0006	0.0001
	Z	0.0082	-0.0010	-0.0037	0.0049	-0.0040	0.0012
AT. 3 SI	X	0.0029	0.0018	0.0006	0.0011	-0.0001	-0.0026
	Y	-0.0027	-0.0046	0.0018	0.0025	0.0006	-0.0001
	Z	-0.0082	0.0010	-0.0037	-0.0049	-0.0040	0.0012
AT. 4 SI	X	0.0029	0.0018	-0.0006	-0.0011	-0.0001	0.0026
	Y	-0.0027	-0.0046	-0.0018	-0.0025	0.0006	0.0001
	Z	0.0082	-0.0010	-0.0037	-0.0049	0.0040	0.0012
AT. 5 SI	X	0.0029	-0.0018	-0.0006	0.0011	0.0001	0.0026
	Y	0.0027	-0.0046	0.0018	-0.0025	0.0006	-0.0001
	Z	0.0082	0.0010	-0.0037	0.0049	-0.0040	0.0012
AT. 6 SI	X	0.0029	-0.0018	0.0006	-0.0011	0.0001	-0.0026
	Y	0.0027	-0.0046	-0.0018	0.0025	0.0006	0.0001
	Z	-0.0082	-0.0010	-0.0037	0.0049	0.0040	0.0012
AT. 7 SI	X	-0.0029	0.0018	0.0006	0.0011	0.0001	-0.0026
	Y	0.0027	-0.0046	0.0018	0.0025	-0.0006	-0.0001
	Z	0.0082	0.0010	-0.0037	-0.0049	0.0040	0.0012
AT. 8 SI	X	-0.0029	0.0018	-0.0006	-0.0011	0.0001	0.0026
	Y	0.0027	-0.0046	-0.0018	-0.0025	-0.0006	0.0001
	Z	-0.0082	-0.0010	-0.0037	-0.0049	-0.0040	0.0012
AT. 9 SI	X	-0.0021	0.0011	0.0038	0.0021	-0.0067	0.0061
	Y	0.0028	-0.0017	-0.0030	-0.0006	0.0035	-0.0021
	Z	0.0032	-0.0004	-0.0014	0.0050	-0.0029	0.0055

AT.	10	SI	X	-0.0021	0.0011	-0.0038	-0.0021	-0.0067	-0.0061
			Y	0.0028	-0.0017	0.0030	0.0006	0.0035	0.0021
			Z	-0.0032	0.0004	-0.0014	0.0050	0.0029	0.0055
AT.	11	SI	X	0.0021	-0.0011	-0.0038	0.0021	-0.0067	-0.0061
			Y	0.0028	-0.0017	-0.0030	0.0006	-0.0035	-0.0021
			Z	0.0032	-0.0004	-0.0014	-0.0050	0.0029	0.0055
AT.	12	SI	X	0.0021	-0.0011	0.0038	-0.0021	-0.0067	0.0061
			Y	0.0028	-0.0017	0.0030	-0.0006	-0.0035	0.0021
			Z	-0.0032	0.0004	-0.0014	-0.0050	-0.0029	0.0055
AT.	13	SI	X	0.0021	0.0011	0.0038	0.0021	0.0067	0.0061
			Y	-0.0028	-0.0017	-0.0030	-0.0006	-0.0035	-0.0021
			Z	-0.0032	-0.0004	-0.0014	0.0050	0.0029	0.0055
AT.	14	SI	X	0.0021	0.0011	-0.0038	-0.0021	0.0067	-0.0061
			Y	-0.0028	-0.0017	0.0030	0.0006	-0.0035	0.0021
			Z	0.0032	0.0004	-0.0014	0.0050	-0.0029	0.0055
AT.	15	SI	X	-0.0021	-0.0011	-0.0038	0.0021	0.0067	-0.0061
			Y	-0.0028	-0.0017	-0.0030	0.0006	0.0035	-0.0021
			Z	-0.0032	-0.0004	-0.0014	-0.0050	-0.0029	0.0055
AT.	16	SI	X	-0.0021	-0.0011	0.0038	-0.0021	0.0067	0.0061
			Y	-0.0028	-0.0017	0.0030	-0.0006	0.0035	0.0021
			Z	0.0032	0.0004	-0.0014	-0.0050	0.0029	0.0055
AT.	17	SI	X	0.0000	0.0000	-0.0142	0.0000	0.0216	-0.0177
			Y	-0.0010	-0.0021	0.0000	-0.0033	0.0000	0.0000
			Z	0.0000	0.0000	-0.0102	0.0000	0.0153	-0.0128
AT.	18	SI	X	0.0000	0.0000	0.0142	0.0000	0.0216	0.0177
			Y	-0.0010	-0.0021	0.0000	0.0033	0.0000	0.0000
			Z	0.0000	0.0000	-0.0102	0.0000	-0.0153	-0.0128
AT.	19	SI	X	0.0000	0.0000	-0.0142	0.0000	-0.0216	-0.0177
			Y	0.0010	-0.0021	0.0000	-0.0033	0.0000	0.0000
			Z	0.0000	0.0000	-0.0102	0.0000	-0.0153	-0.0128
AT.	20	SI	X	0.0000	0.0000	0.0142	0.0000	-0.0216	0.0177
			Y	0.0010	-0.0021	0.0000	0.0033	0.0000	0.0000
			Z	0.0000	0.0000	-0.0102	0.0000	0.0153	-0.0128
AT.	21	CA	X	0.0028	-0.0015	-0.0022	-0.0009	0.0000	0.0009
			Y	-0.0010	0.0137	0.0028	0.0011	-0.0014	-0.0016
			Z	-0.0043	-0.0019	0.0031	-0.0077	0.0029	-0.0019
AT.	22	CA	X	0.0028	-0.0015	0.0022	0.0009	0.0000	-0.0009
			Y	-0.0010	0.0137	-0.0028	-0.0011	-0.0014	0.0016
			Z	0.0043	0.0019	0.0031	-0.0077	-0.0029	-0.0019
AT.	23	CA	X	-0.0028	0.0015	0.0022	-0.0009	0.0000	-0.0009
			Y	-0.0010	0.0137	0.0028	-0.0011	0.0014	-0.0016
			Z	-0.0043	-0.0019	0.0031	0.0077	-0.0029	-0.0019
AT.	24	CA	X	-0.0028	0.0015	-0.0022	0.0009	0.0000	0.0009
			Y	-0.0010	0.0137	-0.0028	0.0011	0.0014	0.0016
			Z	0.0043	0.0019	0.0031	0.0077	0.0029	-0.0019
AT.	25	CA	X	-0.0028	-0.0015	-0.0022	-0.0009	0.0000	0.0009
			Y	0.0010	0.0137	0.0028	0.0011	0.0014	-0.0016
			Z	0.0043	-0.0019	0.0031	-0.0077	-0.0029	-0.0019
AT.	26	CA	X	-0.0028	-0.0015	0.0022	0.0009	0.0000	-0.0009
			Y	0.0010	0.0137	-0.0028	-0.0011	0.0014	0.0016
			Z	-0.0043	0.0019	0.0031	-0.0077	0.0029	-0.0019
AT.	27	CA	X	0.0028	0.0015	0.0022	-0.0009	0.0000	-0.0009
			Y	0.0010	0.0137	0.0028	-0.0011	-0.0014	-0.0016
			Z	0.0043	-0.0019	0.0031	0.0077	0.0029	-0.0019
AT.	28	CA	X	0.0028	0.0015	-0.0022	0.0009	0.0000	0.0009
			Y	0.0010	0.0137	-0.0028	0.0011	-0.0014	0.0016
			Z	-0.0043	0.0019	0.0031	0.0077	-0.0029	-0.0019
AT.	29	CA	X	0.0000	0.0072	0.0014	-0.0065	0.0000	-0.0081
			Y	0.0000	-0.0010	-0.0028	-0.0031	0.0000	-0.0003
			Z	0.0000	0.0040	-0.0019	-0.0056	0.0000	-0.0030
AT.	30	CA	X	0.0000	0.0072	-0.0014	0.0065	0.0000	0.0081

	Y	0.0000	-0.0010	0.0028	0.0031	0.0000	0.0003
	Z	0.0000	-0.0040	-0.0019	-0.0056	0.0000	-0.0030
AT. 31 CA	X	0.0000	-0.0072	-0.0014	-0.0065	0.0000	0.0081
	Y	0.0000	-0.0010	-0.0028	0.0031	0.0000	-0.0003
	Z	0.0000	0.0040	-0.0019	0.0056	0.0000	-0.0030
AT. 32 CA	X	0.0000	-0.0072	0.0014	0.0065	0.0000	-0.0081
	Y	0.0000	-0.0010	0.0028	-0.0031	0.0000	0.0003
	Z	0.0000	-0.0040	-0.0019	0.0056	0.0000	-0.0030
AT. 33 CA	X	0.0046	0.0029	-0.0067	0.0049	0.0064	-0.0050
	Y	0.0007	0.0013	-0.0052	0.0078	-0.0012	0.0052
	Z	0.0006	-0.0047	0.0095	-0.0127	0.0000	-0.0064
AT. 34 CA	X	0.0046	0.0029	0.0067	-0.0049	0.0064	0.0050
	Y	0.0007	0.0013	0.0052	-0.0078	-0.0012	-0.0052
	Z	-0.0006	0.0047	0.0095	-0.0127	0.0000	-0.0064
AT. 35 CA	X	-0.0046	-0.0029	0.0067	0.0049	0.0064	0.0050
	Y	0.0007	0.0013	-0.0052	-0.0078	0.0012	0.0052
	Z	0.0006	-0.0047	0.0095	0.0127	0.0000	-0.0064
AT. 36 CA	X	-0.0046	-0.0029	-0.0067	-0.0049	0.0064	-0.0050
	Y	0.0007	0.0013	0.0052	0.0078	0.0012	-0.0052
	Z	-0.0006	0.0047	0.0095	0.0127	0.0000	-0.0064
AT. 37 CA	X	-0.0046	0.0029	-0.0067	0.0049	-0.0064	-0.0050
	Y	-0.0007	0.0013	-0.0052	0.0078	0.0012	0.0052
	Z	-0.0006	-0.0047	0.0095	-0.0127	0.0000	-0.0064
AT. 38 CA	X	-0.0046	0.0029	0.0067	-0.0049	-0.0064	0.0050
	Y	-0.0007	0.0013	0.0052	-0.0078	0.0012	-0.0052
	Z	0.0006	0.0047	0.0095	-0.0127	0.0000	-0.0064
AT. 39 CA	X	0.0046	-0.0029	0.0067	0.0049	-0.0064	0.0050
	Y	-0.0007	0.0013	-0.0052	-0.0078	-0.0012	0.0052
	Z	-0.0006	-0.0047	0.0095	0.0127	0.0000	-0.0064
AT. 40 CA	X	0.0046	-0.0029	-0.0067	-0.0049	-0.0064	-0.0050
	Y	-0.0007	0.0013	0.0052	0.0078	-0.0012	-0.0052
	Z	0.0006	0.0047	0.0095	0.0127	0.0000	-0.0064
AT. 41 CA	X	0.0059	0.0028	-0.0067	-0.0036	0.0057	-0.0041
	Y	0.0066	0.0048	0.0060	-0.0026	-0.0034	-0.0018
	Z	0.0112	0.0027	0.0103	-0.0010	-0.0085	-0.0003
AT. 42 CA	X	0.0059	0.0028	0.0067	0.0036	0.0057	0.0041
	Y	0.0066	0.0048	-0.0060	0.0026	-0.0034	0.0018
	Z	-0.0112	-0.0027	0.0103	-0.0010	0.0085	-0.0003
AT. 43 CA	X	-0.0059	-0.0028	0.0067	-0.0036	0.0057	0.0041
	Y	0.0066	0.0048	0.0060	0.0026	0.0034	-0.0018
	Z	0.0112	0.0027	0.0103	0.0010	0.0085	-0.0003
AT. 44 CA	X	-0.0059	-0.0028	-0.0067	0.0036	0.0057	-0.0041
	Y	0.0066	0.0048	-0.0060	-0.0026	0.0034	0.0018
	Z	-0.0112	-0.0027	0.0103	0.0010	-0.0085	-0.0003
AT. 45 CA	X	-0.0059	0.0028	-0.0067	-0.0036	-0.0057	-0.0041
	Y	-0.0066	0.0048	0.0060	-0.0026	0.0034	-0.0018
	Z	-0.0112	0.0027	0.0103	-0.0010	0.0085	-0.0003
AT. 46 CA	X	-0.0059	0.0028	0.0067	0.0036	-0.0057	0.0041
	Y	-0.0066	0.0048	-0.0060	0.0026	0.0034	0.0018
	Z	0.0112	-0.0027	0.0103	-0.0010	-0.0085	-0.0003
AT. 47 CA	X	0.0059	-0.0028	0.0067	-0.0036	-0.0057	0.0041
	Y	-0.0066	0.0048	0.0060	0.0026	-0.0034	-0.0018
	Z	-0.0112	0.0027	0.0103	0.0010	-0.0085	-0.0003
AT. 48 CA	X	0.0059	-0.0028	-0.0067	0.0036	-0.0057	-0.0041
	Y	-0.0066	0.0048	-0.0060	-0.0026	-0.0034	0.0018
	Z	0.0112	-0.0027	0.0103	0.0010	0.0085	-0.0003
AT. 49 CA	X	0.0000	0.0000	0.0014	0.0000	-0.0010	0.0001
	Y	0.0026	0.0025	0.0000	0.0014	0.0000	0.0000
	Z	0.0000	0.0000	-0.0002	0.0000	0.0018	-0.0024
AT. 50 CA	X	0.0000	0.0000	-0.0014	0.0000	-0.0010	-0.0001
	Y	0.0026	0.0025	0.0000	-0.0014	0.0000	0.0000

		Z	0.0000	0.0000	-0.0002	0.0000	-0.0018	-0.0024
AT.	51 CA	X	0.0000	0.0000	0.0014	0.0000	0.0010	0.0001
		Y	-0.0026	0.0025	0.0000	0.0014	0.0000	0.0000
		Z	0.0000	0.0000	-0.0002	0.0000	-0.0018	-0.0024
AT.	52 CA	X	0.0000	0.0000	-0.0014	0.0000	0.0010	-0.0001
		Y	-0.0026	0.0025	0.0000	-0.0014	0.0000	0.0000
		Z	0.0000	0.0000	-0.0002	0.0000	0.0018	-0.0024
AT.	53 O	X	-0.0031	0.0116	0.0048	0.0018	-0.0022	0.0018
		Y	-0.0032	-0.0119	-0.0012	-0.0027	0.0007	0.0008
		Z	-0.0227	0.0009	-0.0118	0.0077	0.0091	0.0052
AT.	54 O	X	-0.0031	0.0116	-0.0048	-0.0018	-0.0022	-0.0018
		Y	-0.0032	-0.0119	0.0012	0.0027	0.0007	-0.0008
		Z	0.0227	-0.0009	-0.0118	0.0077	-0.0091	0.0052
AT.	55 O	X	0.0031	-0.0116	-0.0048	0.0018	-0.0022	-0.0018
		Y	-0.0032	-0.0119	-0.0012	0.0027	-0.0007	0.0008
		Z	-0.0227	0.0009	-0.0118	-0.0077	-0.0091	0.0052
AT.	56 O	X	0.0031	-0.0116	0.0048	-0.0018	-0.0022	0.0018
		Y	-0.0032	-0.0119	0.0012	-0.0027	-0.0007	-0.0008
		Z	0.0227	-0.0009	-0.0118	-0.0077	0.0091	0.0052
AT.	57 O	X	0.0031	0.0116	0.0048	0.0018	0.0022	0.0018
		Y	0.0032	-0.0119	-0.0012	-0.0027	-0.0007	0.0008
		Z	0.0227	0.0009	-0.0118	0.0077	-0.0091	0.0052
AT.	58 O	X	0.0031	0.0116	-0.0048	-0.0018	0.0022	-0.0018
		Y	0.0032	-0.0119	0.0012	0.0027	-0.0007	-0.0008
		Z	-0.0227	-0.0009	-0.0118	0.0077	0.0091	0.0052
AT.	59 O	X	-0.0031	-0.0116	-0.0048	0.0018	0.0022	-0.0018
		Y	0.0032	-0.0119	-0.0012	0.0027	0.0007	0.0008
		Z	0.0227	0.0009	-0.0118	-0.0077	0.0091	0.0052
AT.	60 O	X	-0.0031	-0.0116	0.0048	-0.0018	0.0022	0.0018
		Y	0.0032	-0.0119	0.0012	-0.0027	0.0007	-0.0008
		Z	-0.0227	-0.0009	-0.0118	-0.0077	-0.0091	0.0052
AT.	61 O	X	-0.0140	-0.0112	-0.0106	0.0050	0.0066	0.0063
		Y	-0.0003	-0.0198	-0.0023	-0.0045	0.0029	0.0010
		Z	-0.0121	0.0055	-0.0054	0.0085	0.0048	0.0021
AT.	62 O	X	-0.0140	-0.0112	0.0106	-0.0050	0.0066	-0.0063
		Y	-0.0003	-0.0198	0.0023	0.0045	0.0029	-0.0010
		Z	0.0121	-0.0055	-0.0054	0.0085	-0.0048	0.0021
AT.	63 O	X	0.0140	0.0112	0.0106	0.0050	0.0066	-0.0063
		Y	-0.0003	-0.0198	-0.0023	0.0045	-0.0029	0.0010
		Z	-0.0121	0.0055	-0.0054	-0.0085	-0.0048	0.0021
AT.	64 O	X	0.0140	0.0112	-0.0106	-0.0050	0.0066	0.0063
		Y	-0.0003	-0.0198	0.0023	-0.0045	-0.0029	-0.0010
		Z	0.0121	-0.0055	-0.0054	-0.0085	0.0048	0.0021
AT.	65 O	X	0.0140	-0.0112	-0.0106	0.0050	-0.0066	0.0063
		Y	0.0003	-0.0198	-0.0023	-0.0045	-0.0029	0.0010
		Z	0.0121	0.0055	-0.0054	0.0085	-0.0048	0.0021
AT.	66 O	X	0.0140	-0.0112	0.0106	-0.0050	-0.0066	-0.0063
		Y	0.0003	-0.0198	0.0023	0.0045	-0.0029	-0.0010
		Z	-0.0121	-0.0055	-0.0054	0.0085	0.0048	0.0021
AT.	67 O	X	-0.0140	0.0112	0.0106	0.0050	-0.0066	-0.0063
		Y	0.0003	-0.0198	-0.0023	0.0045	0.0029	0.0010
		Z	0.0121	0.0055	-0.0054	-0.0085	0.0048	0.0021
AT.	68 O	X	-0.0140	0.0112	-0.0106	-0.0050	-0.0066	0.0063
		Y	0.0003	-0.0198	0.0023	-0.0045	0.0029	-0.0010
		Z	-0.0121	-0.0055	-0.0054	-0.0085	-0.0048	0.0021
AT.	69 O	X	0.0085	-0.0108	0.0087	-0.0069	-0.0062	0.0011
		Y	-0.0052	-0.0183	-0.0031	-0.0015	0.0005	0.0044
		Z	-0.0152	-0.0022	-0.0112	0.0103	0.0074	0.0052
AT.	70 O	X	0.0085	-0.0108	-0.0087	0.0069	-0.0062	-0.0011
		Y	-0.0052	-0.0183	0.0031	0.0015	0.0005	-0.0044
		Z	0.0152	0.0022	-0.0112	0.0103	-0.0074	0.0052

AT.	71	O	X	-0.0085	0.0108	-0.0087	-0.0069	-0.0062	-0.0011
			Y	-0.0052	-0.0183	-0.0031	0.0015	-0.0005	0.0044
			Z	-0.0152	-0.0022	-0.0112	-0.0103	-0.0074	0.0052
AT.	72	O	X	-0.0085	0.0108	0.0087	0.0069	-0.0062	0.0011
			Y	-0.0052	-0.0183	0.0031	-0.0015	-0.0005	-0.0044
			Z	0.0152	0.0022	-0.0112	-0.0103	0.0074	0.0052
AT.	73	O	X	-0.0085	-0.0108	0.0087	-0.0069	0.0062	0.0011
			Y	0.0052	-0.0183	-0.0031	-0.0015	-0.0005	0.0044
			Z	0.0152	-0.0022	-0.0112	0.0103	-0.0074	0.0052
AT.	74	O	X	-0.0085	-0.0108	-0.0087	0.0069	0.0062	-0.0011
			Y	0.0052	-0.0183	0.0031	0.0015	-0.0005	-0.0044
			Z	-0.0152	0.0022	-0.0112	0.0103	0.0074	0.0052
AT.	75	O	X	0.0085	0.0108	-0.0087	-0.0069	0.0062	-0.0011
			Y	0.0052	-0.0183	-0.0031	0.0015	0.0005	0.0044
			Z	0.0152	-0.0022	-0.0112	-0.0103	0.0074	0.0052
AT.	76	O	X	0.0085	0.0108	0.0087	0.0069	0.0062	0.0011
			Y	0.0052	-0.0183	0.0031	-0.0015	0.0005	-0.0044
			Z	-0.0152	0.0022	-0.0112	-0.0103	-0.0074	0.0052
AT.	77	O	X	-0.0039	-0.0026	-0.0007	0.0014	-0.0002	0.0036
			Y	0.0012	0.0213	0.0053	0.0034	-0.0020	-0.0030
			Z	0.0223	-0.0041	0.0069	0.0007	-0.0049	-0.0036
AT.	78	O	X	-0.0039	-0.0026	0.0007	-0.0014	-0.0002	-0.0036
			Y	0.0012	0.0213	-0.0053	-0.0034	-0.0020	0.0030
			Z	-0.0223	0.0041	0.0069	0.0007	0.0049	-0.0036
AT.	79	O	X	0.0039	0.0026	0.0007	0.0014	-0.0002	-0.0036
			Y	0.0012	0.0213	0.0053	-0.0034	0.0020	-0.0030
			Z	0.0223	-0.0041	0.0069	-0.0007	0.0049	-0.0036
AT.	80	O	X	0.0039	0.0026	-0.0007	-0.0014	-0.0002	0.0036
			Y	0.0012	0.0213	-0.0053	0.0034	0.0020	0.0030
			Z	-0.0223	0.0041	0.0069	-0.0007	-0.0049	-0.0036
AT.	81	O	X	0.0039	-0.0026	-0.0007	0.0014	0.0002	0.0036
			Y	-0.0012	0.0213	0.0053	0.0034	0.0020	-0.0030
			Z	-0.0223	-0.0041	0.0069	0.0007	0.0049	-0.0036
AT.	82	O	X	0.0039	-0.0026	0.0007	-0.0014	0.0002	-0.0036
			Y	-0.0012	0.0213	-0.0053	-0.0034	0.0020	0.0030
			Z	0.0223	0.0041	0.0069	0.0007	-0.0049	-0.0036
AT.	83	O	X	-0.0039	0.0026	0.0007	0.0014	0.0002	-0.0036
			Y	-0.0012	0.0213	0.0053	-0.0034	-0.0020	-0.0030
			Z	-0.0223	-0.0041	0.0069	-0.0007	-0.0049	-0.0036
AT.	84	O	X	-0.0039	0.0026	-0.0007	-0.0014	0.0002	0.0036
			Y	-0.0012	0.0213	-0.0053	0.0034	-0.0020	0.0030
			Z	0.0223	0.0041	0.0069	-0.0007	0.0049	-0.0036
AT.	85	O	X	-0.0042	-0.0020	-0.0006	0.0131	-0.0091	0.0129
			Y	-0.0028	0.0000	-0.0144	0.0093	0.0055	0.0037
			Z	0.0052	-0.0037	0.0026	0.0044	-0.0047	0.0046
AT.	86	O	X	-0.0042	-0.0020	0.0006	-0.0131	-0.0091	-0.0129
			Y	-0.0028	0.0000	0.0144	-0.0093	0.0055	-0.0037
			Z	-0.0052	0.0037	0.0026	0.0044	0.0047	0.0046
AT.	87	O	X	0.0042	0.0020	0.0006	0.0131	-0.0091	-0.0129
			Y	-0.0028	0.0000	-0.0144	-0.0093	-0.0055	0.0037
			Z	0.0052	-0.0037	0.0026	-0.0044	0.0047	0.0046
AT.	88	O	X	0.0042	0.0020	-0.0006	-0.0131	-0.0091	0.0129
			Y	-0.0028	0.0000	0.0144	0.0093	-0.0055	-0.0037
			Z	-0.0052	0.0037	0.0026	-0.0044	-0.0047	0.0046
AT.	89	O	X	0.0042	-0.0020	-0.0006	0.0131	0.0091	0.0129
			Y	0.0028	0.0000	-0.0144	0.0093	-0.0055	0.0037
			Z	-0.0052	-0.0037	0.0026	0.0044	0.0047	0.0046
AT.	90	O	X	0.0042	-0.0020	0.0006	-0.0131	0.0091	-0.0129
			Y	0.0028	0.0000	0.0144	-0.0093	-0.0055	-0.0037
			Z	0.0052	0.0037	0.0026	0.0044	-0.0047	0.0046
AT.	91	O	X	-0.0042	0.0020	0.0006	0.0131	0.0091	-0.0129

	Y	0.0028	0.0000	-0.0144	-0.0093	0.0055	0.0037
	Z	-0.0052	-0.0037	0.0026	-0.0044	-0.0047	0.0046
AT. 92 O	X	-0.0042	0.0020	-0.0006	-0.0131	0.0091	0.0129
	Y	0.0028	0.0000	0.0144	0.0093	0.0055	-0.0037
	Z	0.0052	0.0037	0.0026	-0.0044	0.0047	0.0046
AT. 93 O	X	-0.0051	0.0025	0.0131	-0.0154	-0.0069	-0.0002
	Y	0.0045	-0.0016	-0.0075	0.0091	0.0030	0.0019
	Z	0.0057	-0.0087	0.0014	-0.0097	0.0026	-0.0045
AT. 94 O	X	-0.0051	0.0025	-0.0131	0.0154	-0.0069	0.0002
	Y	0.0045	-0.0016	0.0075	-0.0091	0.0030	-0.0019
	Z	-0.0057	0.0087	0.0014	-0.0097	-0.0026	-0.0045
AT. 95 O	X	0.0051	-0.0025	-0.0131	-0.0154	-0.0069	0.0002
	Y	0.0045	-0.0016	-0.0075	-0.0091	-0.0030	0.0019
	Z	0.0057	-0.0087	0.0014	0.0097	-0.0026	-0.0045
AT. 96 O	X	0.0051	-0.0025	0.0131	0.0154	-0.0069	-0.0002
	Y	0.0045	-0.0016	0.0075	0.0091	-0.0030	-0.0019
	Z	-0.0057	0.0087	0.0014	0.0097	0.0026	-0.0045
AT. 97 O	X	0.0051	0.0025	0.0131	-0.0154	0.0069	-0.0002
	Y	-0.0045	-0.0016	-0.0075	0.0091	-0.0030	0.0019
	Z	-0.0057	-0.0087	0.0014	-0.0097	-0.0026	-0.0045
AT. 98 O	X	0.0051	0.0025	-0.0131	0.0154	0.0069	0.0002
	Y	-0.0045	-0.0016	0.0075	-0.0091	-0.0030	-0.0019
	Z	0.0057	0.0087	0.0014	-0.0097	0.0026	-0.0045
AT. 99 O	X	-0.0051	-0.0025	-0.0131	-0.0154	0.0069	0.0002
	Y	-0.0045	-0.0016	-0.0075	-0.0091	0.0030	0.0019
	Z	-0.0057	-0.0087	0.0014	0.0097	0.0026	-0.0045
AT. 100 O	X	-0.0051	-0.0025	0.0131	0.0154	0.0069	-0.0002
	Y	-0.0045	-0.0016	0.0075	0.0091	0.0030	-0.0019
	Z	0.0057	0.0087	0.0014	0.0097	-0.0026	-0.0045
AT. 101 O	X	-0.0036	0.0030	-0.0074	0.0061	0.0061	-0.0024
	Y	0.0058	-0.0053	-0.0030	0.0001	0.0017	0.0000
	Z	0.0047	-0.0024	-0.0031	0.0052	-0.0014	0.0038
AT. 102 O	X	-0.0036	0.0030	0.0074	-0.0061	0.0061	0.0024
	Y	0.0058	-0.0053	0.0030	-0.0001	0.0017	0.0000
	Z	-0.0047	0.0024	-0.0031	0.0052	0.0014	0.0038
AT. 103 O	X	0.0036	-0.0030	0.0074	0.0061	0.0061	0.0024
	Y	0.0058	-0.0053	-0.0030	-0.0001	-0.0017	0.0000
	Z	0.0047	-0.0024	-0.0031	-0.0052	0.0014	0.0038
AT. 104 O	X	0.0036	-0.0030	-0.0074	-0.0061	0.0061	-0.0024
	Y	0.0058	-0.0053	0.0030	0.0001	-0.0017	0.0000
	Z	-0.0047	0.0024	-0.0031	-0.0052	-0.0014	0.0038
AT. 105 O	X	0.0036	0.0030	-0.0074	0.0061	-0.0061	-0.0024
	Y	-0.0058	-0.0053	-0.0030	0.0001	-0.0017	0.0000
	Z	-0.0047	-0.0024	-0.0031	0.0052	0.0014	0.0038
AT. 106 O	X	0.0036	0.0030	0.0074	-0.0061	-0.0061	0.0024
	Y	-0.0058	-0.0053	0.0030	-0.0001	-0.0017	0.0000
	Z	0.0047	0.0024	-0.0031	0.0052	-0.0014	0.0038
AT. 107 O	X	-0.0036	-0.0030	0.0074	0.0061	-0.0061	0.0024
	Y	-0.0058	-0.0053	-0.0030	-0.0001	0.0017	0.0000
	Z	-0.0047	-0.0024	-0.0031	-0.0052	-0.0014	0.0038
AT. 108 O	X	-0.0036	-0.0030	-0.0074	-0.0061	-0.0061	-0.0024
	Y	-0.0058	-0.0053	0.0030	0.0001	0.0017	0.0000
	Z	0.0047	0.0024	-0.0031	-0.0052	0.0014	0.0038
AT. 109 O	X	-0.0031	0.0013	0.0035	0.0022	-0.0070	0.0067
	Y	0.0011	-0.0010	0.0105	-0.0178	0.0098	-0.0194
	Z	-0.0124	0.0133	0.0017	0.0180	-0.0205	0.0245
AT. 110 O	X	-0.0031	0.0013	-0.0035	-0.0022	-0.0070	-0.0067
	Y	0.0011	-0.0010	-0.0105	0.0178	0.0098	0.0194
	Z	0.0124	-0.0133	0.0017	0.0180	0.0205	0.0245
AT. 111 O	X	0.0031	-0.0013	-0.0035	0.0022	-0.0070	-0.0067
	Y	0.0011	-0.0010	0.0105	0.0178	-0.0098	-0.0194

	Z	-0.0124	0.0133	0.0017	-0.0180	0.0205	0.0245
AT. 112 O	X	0.0031	-0.0013	0.0035	-0.0022	-0.0070	0.0067
	Y	0.0011	-0.0010	-0.0105	-0.0178	-0.0098	0.0194
	Z	0.0124	-0.0133	0.0017	-0.0180	-0.0205	0.0245
AT. 113 O	X	0.0031	0.0013	0.0035	0.0022	0.0070	0.0067
	Y	-0.0011	-0.0010	0.0105	-0.0178	-0.0098	-0.0194
	Z	0.0124	0.0133	0.0017	0.0180	0.0205	0.0245
AT. 114 O	X	0.0031	0.0013	-0.0035	-0.0022	0.0070	-0.0067
	Y	-0.0011	-0.0010	-0.0105	0.0178	-0.0098	0.0194
	Z	-0.0124	-0.0133	0.0017	0.0180	-0.0205	0.0245
AT. 115 O	X	-0.0031	-0.0013	-0.0035	0.0022	0.0070	-0.0067
	Y	-0.0011	-0.0010	0.0105	0.0178	0.0098	-0.0194
	Z	0.0124	0.0133	0.0017	-0.0180	-0.0205	0.0245
AT. 116 O	X	-0.0031	-0.0013	0.0035	-0.0022	0.0070	0.0067
	Y	-0.0011	-0.0010	-0.0105	-0.0178	0.0098	0.0194
	Z	-0.0124	-0.0133	0.0017	-0.0180	0.0205	0.0245
AT. 117 O	X	-0.0004	0.0030	-0.0043	-0.0012	0.0043	-0.0030
	Y	-0.0030	-0.0019	-0.0017	-0.0066	0.0148	-0.0180
	Z	0.0015	-0.0036	-0.0179	0.0028	0.0177	-0.0098
AT. 118 O	X	-0.0004	0.0030	0.0043	0.0012	0.0043	0.0030
	Y	-0.0030	-0.0019	0.0017	0.0066	0.0148	0.0180
	Z	-0.0015	0.0036	-0.0179	0.0028	-0.0177	-0.0098
AT. 119 O	X	0.0004	-0.0030	0.0043	-0.0012	0.0043	0.0030
	Y	-0.0030	-0.0019	-0.0017	0.0066	-0.0148	-0.0180
	Z	0.0015	-0.0036	-0.0179	-0.0028	-0.0177	-0.0098
AT. 120 O	X	0.0004	-0.0030	-0.0043	0.0012	0.0043	-0.0030
	Y	-0.0030	-0.0019	0.0017	-0.0066	-0.0148	0.0180
	Z	-0.0015	0.0036	-0.0179	-0.0028	0.0177	-0.0098
AT. 121 O	X	0.0004	0.0030	-0.0043	-0.0012	-0.0043	-0.0030
	Y	0.0030	-0.0019	-0.0017	-0.0066	-0.0148	-0.0180
	Z	-0.0015	-0.0036	-0.0179	0.0028	-0.0177	-0.0098
AT. 122 O	X	0.0004	0.0030	0.0043	0.0012	-0.0043	0.0030
	Y	0.0030	-0.0019	0.0017	0.0066	-0.0148	0.0180
	Z	0.0015	0.0036	-0.0179	0.0028	0.0177	-0.0098
AT. 123 O	X	-0.0004	-0.0030	0.0043	-0.0012	-0.0043	0.0030
	Y	0.0030	-0.0019	-0.0017	0.0066	0.0148	-0.0180
	Z	-0.0015	-0.0036	-0.0179	-0.0028	0.0177	-0.0098
AT. 124 O	X	-0.0004	-0.0030	-0.0043	0.0012	-0.0043	-0.0030
	Y	0.0030	-0.0019	0.0017	-0.0066	0.0148	0.0180
	Z	0.0015	0.0036	-0.0179	-0.0028	-0.0177	-0.0098

FREQ(CM**-1)	335.99	338.21	341.40	341.83	342.75	342.92
AT. 1 SI X	0.0019	0.0032	0.0014	-0.0003	-0.0024	-0.0012
Y	-0.0022	-0.0006	-0.0009	-0.0029	0.0007	0.0015
Z	-0.0030	0.0023	0.0000	0.0036	0.0004	-0.0029
AT. 2 SI X	0.0019	0.0032	-0.0014	0.0003	-0.0024	-0.0012
Y	-0.0022	-0.0006	0.0009	0.0029	0.0007	0.0015
Z	0.0030	-0.0023	0.0000	0.0036	-0.0004	0.0029
AT. 3 SI X	-0.0019	0.0032	0.0014	0.0003	0.0024	-0.0012
Y	-0.0022	0.0006	0.0009	-0.0029	0.0007	-0.0015
Z	-0.0030	-0.0023	0.0000	0.0036	0.0004	0.0029
AT. 4 SI X	-0.0019	0.0032	-0.0014	-0.0003	0.0024	-0.0012
Y	-0.0022	0.0006	-0.0009	0.0029	0.0007	-0.0015
Z	0.0030	0.0023	0.0000	0.0036	-0.0004	-0.0029
AT. 5 SI X	-0.0019	0.0032	-0.0014	0.0003	-0.0024	0.0012
Y	0.0022	-0.0006	0.0009	0.0029	0.0007	-0.0015
Z	0.0030	0.0023	0.0000	-0.0036	0.0004	0.0029
AT. 6 SI X	-0.0019	0.0032	0.0014	-0.0003	-0.0024	0.0012
Y	0.0022	-0.0006	-0.0009	-0.0029	0.0007	-0.0015
Z	-0.0030	-0.0023	0.0000	-0.0036	-0.0004	-0.0029

AT. 7	SI	X	0.0019	0.0032	-0.0014	-0.0003	0.0024	0.0012
		Y	0.0022	0.0006	-0.0009	0.0029	0.0007	0.0015
		Z	0.0030	-0.0023	0.0000	-0.0036	0.0004	-0.0029
AT. 8	SI	X	0.0019	0.0032	0.0014	0.0003	0.0024	0.0012
		Y	0.0022	0.0006	0.0009	-0.0029	0.0007	0.0015
		Z	-0.0030	0.0023	0.0000	-0.0036	-0.0004	0.0029
AT. 9	SI	X	-0.0036	0.0027	0.0073	-0.0076	-0.0073	-0.0041
		Y	0.0022	-0.0072	-0.0031	0.0032	0.0034	-0.0011
		Z	-0.0070	0.0030	0.0018	-0.0012	-0.0023	-0.0038
AT. 10	SI	X	-0.0036	0.0027	-0.0073	0.0076	-0.0073	-0.0041
		Y	0.0022	-0.0072	0.0031	-0.0032	0.0034	-0.0011
		Z	0.0070	-0.0030	0.0018	-0.0012	0.0023	0.0038
AT. 11	SI	X	0.0036	0.0027	0.0073	0.0076	0.0073	-0.0041
		Y	0.0022	0.0072	0.0031	0.0032	0.0034	0.0011
		Z	-0.0070	-0.0030	-0.0018	-0.0012	-0.0023	0.0038
AT. 12	SI	X	0.0036	0.0027	-0.0073	-0.0076	0.0073	-0.0041
		Y	0.0022	0.0072	-0.0031	-0.0032	0.0034	0.0011
		Z	0.0070	0.0030	-0.0018	-0.0012	0.0023	-0.0038
AT. 13	SI	X	0.0036	0.0027	-0.0073	0.0076	-0.0073	0.0041
		Y	-0.0022	-0.0072	0.0031	-0.0032	0.0034	0.0011
		Z	0.0070	0.0030	-0.0018	0.0012	-0.0023	0.0038
AT. 14	SI	X	0.0036	0.0027	0.0073	-0.0076	-0.0073	0.0041
		Y	-0.0022	-0.0072	-0.0031	0.0032	0.0034	0.0011
		Z	-0.0070	-0.0030	-0.0018	0.0012	0.0023	-0.0038
AT. 15	SI	X	-0.0036	0.0027	-0.0073	-0.0076	0.0073	0.0041
		Y	-0.0022	0.0072	-0.0031	-0.0032	0.0034	-0.0011
		Z	0.0070	-0.0030	0.0018	0.0012	-0.0023	-0.0038
AT. 16	SI	X	-0.0036	0.0027	0.0073	0.0076	0.0073	0.0041
		Y	-0.0022	0.0072	0.0031	0.0032	0.0034	-0.0011
		Z	-0.0070	0.0030	0.0018	0.0012	0.0023	0.0038
AT. 17	SI	X	0.0000	-0.0169	0.0000	0.0154	0.0000	0.0011
		Y	0.0064	0.0000	0.0012	0.0000	-0.0024	0.0000
		Z	0.0000	-0.0103	0.0000	0.0134	0.0000	-0.0049
AT. 18	SI	X	0.0000	-0.0169	0.0000	-0.0154	0.0000	0.0011
		Y	0.0064	0.0000	-0.0012	0.0000	-0.0024	0.0000
		Z	0.0000	0.0103	0.0000	0.0134	0.0000	0.0049
AT. 19	SI	X	0.0000	-0.0169	0.0000	-0.0154	0.0000	-0.0011
		Y	-0.0064	0.0000	-0.0012	0.0000	-0.0024	0.0000
		Z	0.0000	-0.0103	0.0000	-0.0134	0.0000	0.0049
AT. 20	SI	X	0.0000	-0.0169	0.0000	0.0154	0.0000	-0.0011
		Y	-0.0064	0.0000	0.0012	0.0000	-0.0024	0.0000
		Z	0.0000	0.0103	0.0000	-0.0134	0.0000	-0.0049
AT. 21	CA	X	-0.0001	-0.0008	0.0002	-0.0001	-0.0009	0.0011
		Y	-0.0066	0.0001	-0.0006	-0.0010	0.0026	0.0019
		Z	0.0030	-0.0051	0.0023	0.0013	-0.0014	-0.0007
AT. 22	CA	X	-0.0001	-0.0008	-0.0002	0.0001	-0.0009	0.0011
		Y	-0.0066	0.0001	0.0006	0.0010	0.0026	0.0019
		Z	-0.0030	0.0051	0.0023	0.0013	0.0014	0.0007
AT. 23	CA	X	0.0001	-0.0008	0.0002	0.0001	0.0009	0.0011
		Y	-0.0066	-0.0001	0.0006	-0.0010	0.0026	-0.0019
		Z	0.0030	0.0051	-0.0023	0.0013	-0.0014	0.0007
AT. 24	CA	X	0.0001	-0.0008	-0.0002	-0.0001	0.0009	0.0011
		Y	-0.0066	-0.0001	-0.0006	0.0010	0.0026	-0.0019
		Z	-0.0030	-0.0051	-0.0023	0.0013	0.0014	-0.0007
AT. 25	CA	X	0.0001	-0.0008	-0.0002	0.0001	-0.0009	-0.0011
		Y	0.0066	0.0001	0.0006	0.0010	0.0026	-0.0019
		Z	-0.0030	-0.0051	-0.0023	-0.0013	-0.0014	0.0007
AT. 26	CA	X	0.0001	-0.0008	0.0002	-0.0001	-0.0009	-0.0011
		Y	0.0066	0.0001	-0.0006	-0.0010	0.0026	-0.0019
		Z	0.0030	0.0051	-0.0023	-0.0013	0.0014	-0.0007
AT. 27	CA	X	-0.0001	-0.0008	-0.0002	-0.0001	0.0009	-0.0011

		Y	0.0066	-0.0001	-0.0006	0.0010	0.0026	0.0019
		Z	-0.0030	0.0051	0.0023	-0.0013	-0.0014	-0.0007
AT.	28 CA	X	-0.0001	-0.0008	0.0002	0.0001	0.0009	-0.0011
		Y	0.0066	-0.0001	0.0006	-0.0010	0.0026	0.0019
		Z	0.0030	-0.0051	0.0023	-0.0013	0.0014	0.0007
AT.	29 CA	X	0.0000	-0.0112	0.0000	0.0000	0.0046	0.0000
		Y	0.0000	-0.0043	0.0000	0.0000	-0.0005	0.0000
		Z	0.0000	-0.0103	0.0000	0.0000	-0.0005	0.0000
AT.	30 CA	X	0.0000	-0.0112	0.0000	0.0000	0.0046	0.0000
		Y	0.0000	-0.0043	0.0000	0.0000	-0.0005	0.0000
		Z	0.0000	0.0103	0.0000	0.0000	0.0005	0.0000
AT.	31 CA	X	0.0000	-0.0112	0.0000	0.0000	-0.0046	0.0000
		Y	0.0000	0.0043	0.0000	0.0000	-0.0005	0.0000
		Z	0.0000	0.0103	0.0000	0.0000	-0.0005	0.0000
AT.	32 CA	X	0.0000	-0.0112	0.0000	0.0000	-0.0046	0.0000
		Y	0.0000	0.0043	0.0000	0.0000	-0.0005	0.0000
		Z	0.0000	-0.0103	0.0000	0.0000	0.0005	0.0000
AT.	33 CA	X	-0.0055	-0.0014	-0.0092	0.0107	0.0097	0.0042
		Y	-0.0081	0.0055	0.0033	0.0017	-0.0034	-0.0046
		Z	0.0137	-0.0058	-0.0016	-0.0061	0.0015	0.0034
AT.	34 CA	X	-0.0055	-0.0014	0.0092	-0.0107	0.0097	0.0042
		Y	-0.0081	0.0055	-0.0033	-0.0017	-0.0034	-0.0046
		Z	-0.0137	0.0058	-0.0016	-0.0061	-0.0015	-0.0034
AT.	35 CA	X	0.0055	-0.0014	-0.0092	-0.0107	-0.0097	0.0042
		Y	-0.0081	-0.0055	-0.0033	0.0017	-0.0034	0.0046
		Z	0.0137	0.0058	0.0016	-0.0061	0.0015	-0.0034
AT.	36 CA	X	0.0055	-0.0014	0.0092	0.0107	-0.0097	0.0042
		Y	-0.0081	-0.0055	0.0033	-0.0017	-0.0034	0.0046
		Z	-0.0137	-0.0058	0.0016	-0.0061	-0.0015	0.0034
AT.	37 CA	X	0.0055	-0.0014	0.0092	-0.0107	0.0097	-0.0042
		Y	0.0081	0.0055	-0.0033	-0.0017	-0.0034	0.0046
		Z	-0.0137	-0.0058	0.0016	0.0061	0.0015	-0.0034
AT.	38 CA	X	0.0055	-0.0014	-0.0092	0.0107	0.0097	-0.0042
		Y	0.0081	0.0055	0.0033	0.0017	-0.0034	0.0046
		Z	0.0137	0.0058	0.0016	0.0061	-0.0015	0.0034
AT.	39 CA	X	-0.0055	-0.0014	0.0092	0.0107	-0.0097	-0.0042
		Y	0.0081	-0.0055	0.0033	-0.0017	-0.0034	-0.0046
		Z	-0.0137	0.0058	-0.0016	0.0061	0.0015	0.0034
AT.	40 CA	X	-0.0055	-0.0014	-0.0092	-0.0107	-0.0097	-0.0042
		Y	0.0081	-0.0055	-0.0033	0.0017	-0.0034	-0.0046
		Z	0.0137	-0.0058	-0.0016	0.0061	-0.0015	-0.0034
AT.	41 CA	X	0.0023	0.0016	0.0059	-0.0068	-0.0055	-0.0050
		Y	0.0038	-0.0008	0.0001	0.0037	0.0001	0.0053
		Z	-0.0014	-0.0076	-0.0045	0.0015	0.0044	0.0045
AT.	42 CA	X	0.0023	0.0016	-0.0059	0.0068	-0.0055	-0.0050
		Y	0.0038	-0.0008	-0.0001	-0.0037	0.0001	0.0053
		Z	0.0014	0.0076	-0.0045	0.0015	-0.0044	-0.0045
AT.	43 CA	X	-0.0023	0.0016	0.0059	0.0068	0.0055	-0.0050
		Y	0.0038	0.0008	-0.0001	0.0037	0.0001	-0.0053
		Z	-0.0014	0.0076	0.0045	0.0015	0.0044	-0.0045
AT.	44 CA	X	-0.0023	0.0016	-0.0059	-0.0068	0.0055	-0.0050
		Y	0.0038	0.0008	0.0001	-0.0037	0.0001	-0.0053
		Z	0.0014	-0.0076	0.0045	0.0015	-0.0044	0.0045
AT.	45 CA	X	-0.0023	0.0016	-0.0059	0.0068	-0.0055	0.0050
		Y	-0.0038	-0.0008	-0.0001	-0.0037	0.0001	-0.0053
		Z	0.0014	-0.0076	0.0045	-0.0015	0.0044	-0.0045
AT.	46 CA	X	-0.0023	0.0016	0.0059	-0.0068	-0.0055	0.0050
		Y	-0.0038	-0.0008	0.0001	0.0037	0.0001	-0.0053
		Z	-0.0014	0.0076	0.0045	-0.0015	-0.0044	0.0045
AT.	47 CA	X	0.0023	0.0016	-0.0059	-0.0068	0.0055	0.0050
		Y	-0.0038	0.0008	0.0001	-0.0037	0.0001	0.0053

		Z	0.0014	0.0076	-0.0045	-0.0015	0.0044	0.0045
AT.	48	CA X	0.0023	0.0016	0.0059	0.0068	0.0055	0.0050
		Y	-0.0038	0.0008	-0.0001	0.0037	0.0001	0.0053
		Z	-0.0014	-0.0076	-0.0045	-0.0015	-0.0044	-0.0045
AT.	49	CA X	0.0000	-0.0023	0.0000	0.0050	0.0000	0.0062
		Y	0.0012	0.0000	0.0019	0.0000	-0.0010	0.0000
		Z	0.0000	0.0012	0.0000	0.0055	0.0000	0.0056
AT.	50	CA X	0.0000	-0.0023	0.0000	-0.0050	0.0000	0.0062
		Y	0.0012	0.0000	-0.0019	0.0000	-0.0010	0.0000
		Z	0.0000	-0.0012	0.0000	0.0055	0.0000	-0.0056
AT.	51	CA X	0.0000	-0.0023	0.0000	-0.0050	0.0000	-0.0062
		Y	-0.0012	0.0000	-0.0019	0.0000	-0.0010	0.0000
		Z	0.0000	0.0012	0.0000	-0.0055	0.0000	-0.0056
AT.	52	CA X	0.0000	-0.0023	0.0000	0.0050	0.0000	-0.0062
		Y	-0.0012	0.0000	0.0019	0.0000	-0.0010	0.0000
		Z	0.0000	-0.0012	0.0000	-0.0055	0.0000	0.0056
AT.	53	O X	0.0013	0.0019	0.0015	0.0002	0.0004	-0.0009
		Y	-0.0016	0.0007	-0.0006	-0.0027	-0.0011	0.0009
		Z	0.0040	0.0097	0.0020	0.0042	0.0002	-0.0052
AT.	54	O X	0.0013	0.0019	-0.0015	-0.0002	0.0004	-0.0009
		Y	-0.0016	0.0007	0.0006	0.0027	-0.0011	0.0009
		Z	-0.0040	-0.0097	0.0020	0.0042	-0.0002	0.0052
AT.	55	O X	-0.0013	0.0019	0.0015	-0.0002	-0.0004	-0.0009
		Y	-0.0016	-0.0007	0.0006	-0.0027	-0.0011	-0.0009
		Z	0.0040	-0.0097	-0.0020	0.0042	0.0002	0.0052
AT.	56	O X	-0.0013	0.0019	-0.0015	0.0002	-0.0004	-0.0009
		Y	-0.0016	-0.0007	-0.0006	0.0027	-0.0011	-0.0009
		Z	-0.0040	0.0097	-0.0020	0.0042	-0.0002	-0.0052
AT.	57	O X	-0.0013	0.0019	-0.0015	-0.0002	0.0004	0.0009
		Y	0.0016	0.0007	0.0006	0.0027	-0.0011	-0.0009
		Z	-0.0040	0.0097	-0.0020	-0.0042	0.0002	0.0052
AT.	58	O X	-0.0013	0.0019	0.0015	0.0002	0.0004	0.0009
		Y	0.0016	0.0007	-0.0006	-0.0027	-0.0011	-0.0009
		Z	0.0040	-0.0097	-0.0020	-0.0042	-0.0002	-0.0052
AT.	59	O X	0.0013	0.0019	-0.0015	0.0002	-0.0004	0.0009
		Y	0.0016	-0.0007	-0.0006	0.0027	-0.0011	0.0009
		Z	-0.0040	-0.0097	0.0020	-0.0042	0.0002	-0.0052
AT.	60	O X	0.0013	0.0019	0.0015	-0.0002	-0.0004	0.0009
		Y	0.0016	-0.0007	0.0006	-0.0027	-0.0011	0.0009
		Z	0.0040	0.0097	0.0020	-0.0042	-0.0002	0.0052
AT.	61	O X	0.0070	0.0132	0.0028	0.0013	-0.0049	-0.0016
		Y	0.0026	-0.0003	-0.0020	0.0003	-0.0015	-0.0001
		Z	-0.0023	0.0077	0.0015	0.0031	0.0006	-0.0019
AT.	62	O X	0.0070	0.0132	-0.0028	-0.0013	-0.0049	-0.0016
		Y	0.0026	-0.0003	0.0020	-0.0003	-0.0015	-0.0001
		Z	0.0023	-0.0077	0.0015	0.0031	-0.0006	0.0019
AT.	63	O X	-0.0070	0.0132	0.0028	-0.0013	0.0049	-0.0016
		Y	0.0026	0.0003	0.0020	0.0003	-0.0015	0.0001
		Z	-0.0023	-0.0077	-0.0015	0.0031	0.0006	0.0019
AT.	64	O X	-0.0070	0.0132	-0.0028	0.0013	0.0049	-0.0016
		Y	0.0026	0.0003	-0.0020	-0.0003	-0.0015	0.0001
		Z	0.0023	0.0077	-0.0015	0.0031	-0.0006	-0.0019
AT.	65	O X	-0.0070	0.0132	-0.0028	-0.0013	-0.0049	0.0016
		Y	-0.0026	-0.0003	0.0020	-0.0003	-0.0015	0.0001
		Z	0.0023	0.0077	-0.0015	-0.0031	0.0006	0.0019
AT.	66	O X	-0.0070	0.0132	0.0028	0.0013	-0.0049	0.0016
		Y	-0.0026	-0.0003	-0.0020	0.0003	-0.0015	0.0001
		Z	-0.0023	-0.0077	-0.0015	-0.0031	-0.0006	-0.0019
AT.	67	O X	0.0070	0.0132	-0.0028	0.0013	0.0049	0.0016
		Y	-0.0026	0.0003	-0.0020	-0.0003	-0.0015	-0.0001
		Z	0.0023	-0.0077	0.0015	-0.0031	0.0006	-0.0019

AT.	68	O	X	0.0070	0.0132	0.0028	-0.0013	0.0049	0.0016
			Y	-0.0026	0.0003	0.0020	0.0003	-0.0015	-0.0001
			Z	-0.0023	0.0077	0.0015	-0.0031	-0.0006	0.0019
AT.	69	O	X	0.0027	-0.0043	0.0013	-0.0069	-0.0049	0.0000
			Y	0.0015	0.0003	0.0054	-0.0051	-0.0074	-0.0055
			Z	-0.0029	0.0077	0.0040	0.0055	-0.0033	-0.0074
AT.	70	O	X	0.0027	-0.0043	-0.0013	0.0069	-0.0049	0.0000
			Y	0.0015	0.0003	-0.0054	0.0051	-0.0074	-0.0055
			Z	0.0029	-0.0077	0.0040	0.0055	0.0033	0.0074
AT.	71	O	X	-0.0027	-0.0043	0.0013	0.0069	0.0049	0.0000
			Y	0.0015	-0.0003	-0.0054	-0.0051	-0.0074	0.0055
			Z	-0.0029	-0.0077	-0.0040	0.0055	-0.0033	0.0074
AT.	72	O	X	-0.0027	-0.0043	-0.0013	-0.0069	0.0049	0.0000
			Y	0.0015	-0.0003	0.0054	0.0051	-0.0074	0.0055
			Z	0.0029	0.0077	-0.0040	0.0055	0.0033	-0.0074
AT.	73	O	X	-0.0027	-0.0043	-0.0013	0.0069	-0.0049	0.0000
			Y	-0.0015	0.0003	-0.0054	0.0051	-0.0074	0.0055
			Z	0.0029	0.0077	-0.0040	-0.0055	-0.0033	0.0074
AT.	74	O	X	-0.0027	-0.0043	0.0013	-0.0069	-0.0049	0.0000
			Y	-0.0015	0.0003	0.0054	-0.0051	-0.0074	0.0055
			Z	-0.0029	-0.0077	-0.0040	-0.0055	0.0033	-0.0074
AT.	75	O	X	0.0027	-0.0043	-0.0013	-0.0069	0.0049	0.0000
			Y	-0.0015	-0.0003	0.0054	0.0051	-0.0074	-0.0055
			Z	0.0029	-0.0077	0.0040	-0.0055	-0.0033	-0.0074
AT.	76	O	X	0.0027	-0.0043	0.0013	0.0069	0.0049	0.0000
			Y	-0.0015	-0.0003	-0.0054	-0.0051	-0.0074	-0.0055
			Z	-0.0029	0.0077	0.0040	-0.0055	0.0033	0.0074
AT.	77	O	X	0.0027	0.0044	0.0021	-0.0008	-0.0034	-0.0016
			Y	-0.0019	0.0046	-0.0032	0.0003	0.0058	0.0052
			Z	-0.0065	-0.0011	-0.0080	-0.0003	0.0044	0.0088
AT.	78	O	X	0.0027	0.0044	-0.0021	0.0008	-0.0034	-0.0016
			Y	-0.0019	0.0046	0.0032	-0.0003	0.0058	0.0052
			Z	0.0065	0.0011	-0.0080	-0.0003	-0.0044	-0.0088
AT.	79	O	X	-0.0027	0.0044	0.0021	0.0008	0.0034	-0.0016
			Y	-0.0019	-0.0046	0.0032	0.0003	0.0058	-0.0052
			Z	-0.0065	0.0011	0.0080	-0.0003	0.0044	-0.0088
AT.	80	O	X	-0.0027	0.0044	-0.0021	-0.0008	0.0034	-0.0016
			Y	-0.0019	-0.0046	-0.0032	-0.0003	0.0058	-0.0052
			Z	0.0065	-0.0011	0.0080	-0.0003	-0.0044	0.0088
AT.	81	O	X	-0.0027	0.0044	-0.0021	0.0008	-0.0034	0.0016
			Y	0.0019	0.0046	0.0032	-0.0003	0.0058	-0.0052
			Z	0.0065	-0.0011	0.0080	0.0003	0.0044	-0.0088
AT.	82	O	X	-0.0027	0.0044	0.0021	-0.0008	-0.0034	0.0016
			Y	0.0019	0.0046	-0.0032	0.0003	0.0058	-0.0052
			Z	-0.0065	0.0011	0.0080	0.0003	-0.0044	0.0088
AT.	83	O	X	0.0027	0.0044	-0.0021	-0.0008	0.0034	0.0016
			Y	0.0019	-0.0046	-0.0032	-0.0003	0.0058	0.0052
			Z	0.0065	0.0011	-0.0080	0.0003	0.0044	0.0088
AT.	84	O	X	0.0027	0.0044	0.0021	0.0008	0.0034	0.0016
			Y	0.0019	-0.0046	0.0032	0.0003	0.0058	0.0052
			Z	-0.0065	-0.0011	-0.0080	0.0003	-0.0044	-0.0088
AT.	85	O	X	-0.0123	0.0092	0.0137	-0.0183	-0.0135	-0.0148
			Y	-0.0100	-0.0025	0.0123	0.0004	-0.0124	-0.0156
			Z	-0.0040	0.0034	-0.0058	-0.0049	0.0055	0.0006
AT.	86	O	X	-0.0123	0.0092	-0.0137	0.0183	-0.0135	-0.0148
			Y	-0.0100	-0.0025	-0.0123	-0.0004	-0.0124	-0.0156
			Z	0.0040	-0.0034	-0.0058	-0.0049	-0.0055	-0.0006
AT.	87	O	X	0.0123	0.0092	0.0137	0.0183	0.0135	-0.0148
			Y	-0.0100	0.0025	-0.0123	0.0004	-0.0124	0.0156
			Z	-0.0040	-0.0034	0.0058	-0.0049	0.0055	-0.0006
AT.	88	O	X	0.0123	0.0092	-0.0137	-0.0183	0.0135	-0.0148

		Y	-0.0100	0.0025	0.0123	-0.0004	-0.0124	0.0156
		Z	0.0040	0.0034	0.0058	-0.0049	-0.0055	0.0006
AT.	89 O	X	0.0123	0.0092	-0.0137	0.0183	-0.0135	0.0148
		Y	0.0100	-0.0025	-0.0123	-0.0004	-0.0124	0.0156
		Z	0.0040	0.0034	0.0058	0.0049	0.0055	-0.0006
AT.	90 O	X	0.0123	0.0092	0.0137	-0.0183	-0.0135	0.0148
		Y	0.0100	-0.0025	0.0123	0.0004	-0.0124	0.0156
		Z	-0.0040	-0.0034	0.0058	0.0049	-0.0055	0.0006
AT.	91 O	X	-0.0123	0.0092	-0.0137	-0.0183	0.0135	0.0148
		Y	0.0100	0.0025	0.0123	-0.0004	-0.0124	-0.0156
		Z	0.0040	-0.0034	-0.0058	0.0049	0.0055	0.0006
AT.	92 O	X	-0.0123	0.0092	0.0137	0.0183	0.0135	0.0148
		Y	0.0100	0.0025	-0.0123	0.0004	-0.0124	-0.0156
		Z	-0.0040	0.0034	-0.0058	0.0049	-0.0055	-0.0006
AT.	93 O	X	0.0147	-0.0001	-0.0028	0.0025	0.0032	0.0116
		Y	-0.0083	-0.0045	0.0039	-0.0032	-0.0037	-0.0114
		Z	0.0137	0.0036	-0.0192	0.0153	0.0172	0.0220
AT.	94 O	X	0.0147	-0.0001	0.0028	-0.0025	0.0032	0.0116
		Y	-0.0083	-0.0045	-0.0039	0.0032	-0.0037	-0.0114
		Z	-0.0137	-0.0036	-0.0192	0.0153	-0.0172	-0.0220
AT.	95 O	X	-0.0147	-0.0001	-0.0028	-0.0025	-0.0032	0.0116
		Y	-0.0083	0.0045	-0.0039	-0.0032	-0.0037	0.0114
		Z	0.0137	-0.0036	0.0192	0.0153	0.0172	-0.0220
AT.	96 O	X	-0.0147	-0.0001	0.0028	0.0025	-0.0032	0.0116
		Y	-0.0083	0.0045	0.0039	0.0032	-0.0037	0.0114
		Z	-0.0137	0.0036	0.0192	0.0153	-0.0172	0.0220
AT.	97 O	X	-0.0147	-0.0001	0.0028	-0.0025	0.0032	-0.0116
		Y	0.0083	-0.0045	-0.0039	0.0032	-0.0037	0.0114
		Z	-0.0137	0.0036	0.0192	-0.0153	0.0172	-0.0220
AT.	98 O	X	-0.0147	-0.0001	-0.0028	0.0025	0.0032	-0.0116
		Y	0.0083	-0.0045	0.0039	-0.0032	-0.0037	0.0114
		Z	0.0137	-0.0036	0.0192	-0.0153	-0.0172	0.0220
AT.	99 O	X	0.0147	-0.0001	0.0028	0.0025	-0.0032	-0.0116
		Y	0.0083	0.0045	0.0039	0.0032	-0.0037	-0.0114
		Z	-0.0137	-0.0036	-0.0192	-0.0153	0.0172	0.0220
AT.	100 O	X	0.0147	-0.0001	-0.0028	-0.0025	-0.0032	-0.0116
		Y	0.0083	0.0045	-0.0039	-0.0032	-0.0037	-0.0114
		Z	0.0137	0.0036	-0.0192	-0.0153	-0.0172	-0.0220
AT.	101 O	X	-0.0065	-0.0055	0.0110	-0.0003	-0.0114	-0.0095
		Y	0.0007	-0.0017	-0.0060	-0.0010	0.0048	0.0014
		Z	-0.0065	0.0029	-0.0032	-0.0007	0.0024	-0.0021
AT.	102 O	X	-0.0065	-0.0055	-0.0110	0.0003	-0.0114	-0.0095
		Y	0.0007	-0.0017	0.0060	0.0010	0.0048	0.0014
		Z	0.0065	-0.0029	-0.0032	-0.0007	-0.0024	0.0021
AT.	103 O	X	0.0065	-0.0055	0.0110	0.0003	0.0114	-0.0095
		Y	0.0007	0.0017	0.0060	-0.0010	0.0048	-0.0014
		Z	-0.0065	-0.0029	0.0032	-0.0007	0.0024	0.0021
AT.	104 O	X	0.0065	-0.0055	-0.0110	-0.0003	0.0114	-0.0095
		Y	0.0007	0.0017	-0.0060	0.0010	0.0048	-0.0014
		Z	0.0065	0.0029	0.0032	-0.0007	-0.0024	-0.0021
AT.	105 O	X	0.0065	-0.0055	-0.0110	0.0003	-0.0114	0.0095
		Y	-0.0007	-0.0017	0.0060	0.0010	0.0048	-0.0014
		Z	0.0065	0.0029	0.0032	0.0007	0.0024	0.0021
AT.	106 O	X	0.0065	-0.0055	0.0110	-0.0003	-0.0114	0.0095
		Y	-0.0007	-0.0017	-0.0060	-0.0010	0.0048	-0.0014
		Z	-0.0065	-0.0029	0.0032	0.0007	-0.0024	-0.0021
AT.	107 O	X	-0.0065	-0.0055	-0.0110	-0.0003	0.0114	0.0095
		Y	-0.0007	0.0017	-0.0060	0.0010	0.0048	0.0014
		Z	0.0065	-0.0029	-0.0032	0.0007	0.0024	-0.0021
AT.	108 O	X	-0.0065	-0.0055	0.0110	0.0003	0.0114	0.0095
		Y	-0.0007	0.0017	0.0060	-0.0010	0.0048	0.0014

	Z	-0.0065	0.0029	-0.0032	0.0007	-0.0024	0.0021
AT. 109 O	X	-0.0036	0.0024	0.0095	-0.0089	-0.0095	-0.0056
	Y	0.0181	-0.0149	-0.0126	0.0039	0.0143	0.0097
	Z	-0.0182	0.0175	0.0299	-0.0220	-0.0285	-0.0201
AT. 110 O	X	-0.0036	0.0024	-0.0095	0.0089	-0.0095	-0.0056
	Y	0.0181	-0.0149	0.0126	-0.0039	0.0143	0.0097
	Z	0.0182	-0.0175	0.0299	-0.0220	0.0285	0.0201
AT. 111 O	X	0.0036	0.0024	0.0095	0.0089	0.0095	-0.0056
	Y	0.0181	0.0149	0.0126	0.0039	0.0143	-0.0097
	Z	-0.0182	-0.0175	-0.0299	-0.0220	-0.0285	0.0201
AT. 112 O	X	0.0036	0.0024	-0.0095	-0.0089	0.0095	-0.0056
	Y	0.0181	0.0149	-0.0126	-0.0039	0.0143	-0.0097
	Z	0.0182	0.0175	-0.0299	-0.0220	0.0285	-0.0201
AT. 113 O	X	0.0036	0.0024	-0.0095	0.0089	-0.0095	0.0056
	Y	-0.0181	-0.0149	0.0126	-0.0039	0.0143	-0.0097
	Z	0.0182	0.0175	-0.0299	0.0220	-0.0285	0.0201
AT. 114 O	X	0.0036	0.0024	0.0095	-0.0089	-0.0095	0.0056
	Y	-0.0181	-0.0149	-0.0126	0.0039	0.0143	-0.0097
	Z	-0.0182	-0.0175	-0.0299	0.0220	0.0285	-0.0201
AT. 115 O	X	-0.0036	0.0024	-0.0095	-0.0089	0.0095	0.0056
	Y	-0.0181	0.0149	-0.0126	-0.0039	0.0143	0.0097
	Z	0.0182	-0.0175	0.0299	0.0220	-0.0285	-0.0201
AT. 116 O	X	-0.0036	0.0024	0.0095	0.0089	0.0095	0.0056
	Y	-0.0181	0.0149	0.0126	0.0039	0.0143	0.0097
	Z	-0.0182	0.0175	0.0299	0.0220	0.0285	0.0201
AT. 117 O	X	0.0031	0.0020	-0.0027	0.0100	0.0036	0.0076
	Y	0.0075	-0.0134	-0.0007	0.0058	-0.0006	-0.0004
	Z	-0.0035	-0.0155	0.0030	0.0121	-0.0040	-0.0105
AT. 118 O	X	0.0031	0.0020	0.0027	-0.0100	0.0036	0.0076
	Y	0.0075	-0.0134	0.0007	-0.0058	-0.0006	-0.0004
	Z	0.0035	0.0155	0.0030	0.0121	0.0040	0.0105
AT. 119 O	X	-0.0031	0.0020	-0.0027	-0.0100	-0.0036	0.0076
	Y	0.0075	0.0134	0.0007	0.0058	-0.0006	0.0004
	Z	-0.0035	0.0155	-0.0030	0.0121	-0.0040	0.0105
AT. 120 O	X	-0.0031	0.0020	0.0027	0.0100	-0.0036	0.0076
	Y	0.0075	0.0134	-0.0007	-0.0058	-0.0006	0.0004
	Z	0.0035	-0.0155	-0.0030	0.0121	0.0040	-0.0105
AT. 121 O	X	-0.0031	0.0020	0.0027	-0.0100	0.0036	-0.0076
	Y	-0.0075	-0.0134	0.0007	-0.0058	-0.0006	0.0004
	Z	0.0035	-0.0155	-0.0030	-0.0121	-0.0040	0.0105
AT. 122 O	X	-0.0031	0.0020	-0.0027	0.0100	0.0036	-0.0076
	Y	-0.0075	-0.0134	-0.0007	0.0058	-0.0006	0.0004
	Z	-0.0035	0.0155	-0.0030	-0.0121	0.0040	-0.0105
AT. 123 O	X	0.0031	0.0020	0.0027	0.0100	-0.0036	-0.0076
	Y	-0.0075	0.0134	-0.0007	-0.0058	-0.0006	-0.0004
	Z	0.0035	0.0155	0.0030	-0.0121	-0.0040	-0.0105
AT. 124 O	X	0.0031	0.0020	-0.0027	-0.0100	-0.0036	-0.0076
	Y	-0.0075	0.0134	0.0007	0.0058	-0.0006	-0.0004
	Z	-0.0035	-0.0155	0.0030	-0.0121	0.0040	0.0105

FREQ(CM**-1)	345.36	351.57	351.94	352.08	352.28	353.00

AT. 1 SI	X	0.0021	-0.0008	-0.0027	-0.0028	0.0005	-0.0006
	Y	-0.0049	0.0002	0.0027	-0.0014	0.0019	0.0016
	Z	0.0062	0.0038	-0.0036	0.0014	-0.0064	0.0014
AT. 2 SI	X	0.0021	0.0008	0.0027	-0.0028	-0.0005	0.0006
	Y	-0.0049	-0.0002	-0.0027	-0.0014	-0.0019	-0.0016
	Z	-0.0062	0.0038	-0.0036	-0.0014	-0.0064	0.0014
AT. 3 SI	X	0.0021	0.0008	-0.0027	0.0028	0.0005	0.0006
	Y	0.0049	0.0002	-0.0027	-0.0014	-0.0019	0.0016
	Z	-0.0062	0.0038	0.0036	0.0014	0.0064	0.0014

AT.	4	SI	X	0.0021	-0.0008	0.0027	0.0028	-0.0005	-0.0006
			Y	0.0049	-0.0002	0.0027	-0.0014	0.0019	-0.0016
			Z	0.0062	0.0038	0.0036	-0.0014	0.0064	0.0014
AT.	5	SI	X	0.0021	-0.0008	-0.0027	-0.0028	-0.0005	0.0006
			Y	-0.0049	0.0002	0.0027	-0.0014	-0.0019	-0.0016
			Z	0.0062	0.0038	-0.0036	0.0014	0.0064	-0.0014
AT.	6	SI	X	0.0021	0.0008	0.0027	-0.0028	0.0005	-0.0006
			Y	-0.0049	-0.0002	-0.0027	-0.0014	0.0019	0.0016
			Z	-0.0062	0.0038	-0.0036	-0.0014	0.0064	-0.0014
AT.	7	SI	X	0.0021	0.0008	-0.0027	0.0028	-0.0005	-0.0006
			Y	0.0049	0.0002	-0.0027	-0.0014	0.0019	-0.0016
			Z	-0.0062	0.0038	0.0036	0.0014	-0.0064	-0.0014
AT.	8	SI	X	0.0021	-0.0008	0.0027	0.0028	0.0005	0.0006
			Y	0.0049	-0.0002	0.0027	-0.0014	-0.0019	0.0016
			Z	0.0062	0.0038	0.0036	-0.0014	-0.0064	-0.0014
AT.	9	SI	X	-0.0066	-0.0035	0.0077	-0.0012	0.0016	0.0008
			Y	0.0014	-0.0014	-0.0039	0.0065	-0.0070	-0.0096
			Z	-0.0016	0.0023	-0.0003	0.0074	-0.0074	0.0053
AT.	10	SI	X	-0.0066	0.0035	-0.0077	-0.0012	-0.0016	-0.0008
			Y	0.0014	0.0014	0.0039	0.0065	0.0070	0.0096
			Z	0.0016	0.0023	-0.0003	-0.0074	-0.0074	0.0053
AT.	11	SI	X	-0.0066	0.0035	0.0077	0.0012	0.0016	-0.0008
			Y	-0.0014	-0.0014	0.0039	0.0065	0.0070	-0.0096
			Z	0.0016	0.0023	0.0003	0.0074	0.0074	0.0053
AT.	12	SI	X	-0.0066	-0.0035	-0.0077	0.0012	-0.0016	0.0008
			Y	-0.0014	0.0014	-0.0039	0.0065	-0.0070	0.0096
			Z	-0.0016	0.0023	0.0003	-0.0074	0.0074	0.0053
AT.	13	SI	X	-0.0066	-0.0035	0.0077	-0.0012	-0.0016	-0.0008
			Y	0.0014	-0.0014	-0.0039	0.0065	0.0070	0.0096
			Z	-0.0016	0.0023	-0.0003	0.0074	0.0074	-0.0053
AT.	14	SI	X	-0.0066	0.0035	-0.0077	-0.0012	0.0016	0.0008
			Y	0.0014	0.0014	0.0039	0.0065	-0.0070	-0.0096
			Z	0.0016	0.0023	-0.0003	-0.0074	0.0074	-0.0053
AT.	15	SI	X	-0.0066	0.0035	0.0077	0.0012	-0.0016	0.0008
			Y	-0.0014	-0.0014	0.0039	0.0065	-0.0070	0.0096
			Z	0.0016	0.0023	0.0003	0.0074	-0.0074	-0.0053
AT.	16	SI	X	-0.0066	-0.0035	-0.0077	0.0012	0.0016	-0.0008
			Y	-0.0014	0.0014	-0.0039	0.0065	0.0070	-0.0096
			Z	-0.0016	0.0023	0.0003	-0.0074	-0.0074	-0.0053
AT.	17	SI	X	0.0113	-0.0025	0.0000	0.0000	0.0000	-0.0128
			Y	0.0000	0.0000	-0.0006	-0.0140	0.0159	0.0000
			Z	0.0111	-0.0063	0.0000	0.0000	0.0000	-0.0028
AT.	18	SI	X	0.0113	0.0025	0.0000	0.0000	0.0000	0.0128
			Y	0.0000	0.0000	0.0006	-0.0140	-0.0159	0.0000
			Z	-0.0111	-0.0063	0.0000	0.0000	0.0000	-0.0028
AT.	19	SI	X	0.0113	-0.0025	0.0000	0.0000	0.0000	0.0128
			Y	0.0000	0.0000	-0.0006	-0.0140	-0.0159	0.0000
			Z	0.0111	-0.0063	0.0000	0.0000	0.0000	0.0028
AT.	20	SI	X	0.0113	0.0025	0.0000	0.0000	0.0000	-0.0128
			Y	0.0000	0.0000	0.0006	-0.0140	0.0159	0.0000
			Z	-0.0111	-0.0063	0.0000	0.0000	0.0000	0.0028
AT.	21	CA	X	0.0015	0.0013	-0.0007	-0.0031	0.0031	0.0010
			Y	0.0009	0.0018	-0.0001	-0.0037	0.0023	0.0073
			Z	-0.0051	-0.0029	0.0060	-0.0040	0.0033	-0.0023
AT.	22	CA	X	0.0015	-0.0013	0.0007	-0.0031	-0.0031	-0.0010
			Y	0.0009	-0.0018	0.0001	-0.0037	-0.0023	-0.0073
			Z	0.0051	-0.0029	0.0060	0.0040	0.0033	-0.0023
AT.	23	CA	X	0.0015	-0.0013	-0.0007	0.0031	0.0031	-0.0010
			Y	-0.0009	0.0018	0.0001	-0.0037	-0.0023	0.0073
			Z	0.0051	-0.0029	-0.0060	-0.0040	-0.0033	-0.0023
AT.	24	CA	X	0.0015	0.0013	0.0007	0.0031	-0.0031	0.0010

	Y	-0.0009	-0.0018	-0.0001	-0.0037	0.0023	-0.0073
	Z	-0.0051	-0.0029	-0.0060	0.0040	-0.0033	-0.0023
AT. 25 CA	X	0.0015	0.0013	-0.0007	-0.0031	-0.0031	-0.0010
	Y	0.0009	0.0018	-0.0001	-0.0037	-0.0023	-0.0073
	Z	-0.0051	-0.0029	0.0060	-0.0040	-0.0033	0.0023
AT. 26 CA	X	0.0015	-0.0013	0.0007	-0.0031	0.0031	0.0010
	Y	0.0009	-0.0018	0.0001	-0.0037	0.0023	0.0073
	Z	0.0051	-0.0029	0.0060	0.0040	-0.0033	0.0023
AT. 27 CA	X	0.0015	-0.0013	-0.0007	0.0031	-0.0031	0.0010
	Y	-0.0009	0.0018	0.0001	-0.0037	0.0023	-0.0073
	Z	0.0051	-0.0029	-0.0060	-0.0040	0.0033	0.0023
AT. 28 CA	X	0.0015	0.0013	0.0007	0.0031	0.0031	-0.0010
	Y	-0.0009	-0.0018	-0.0001	-0.0037	-0.0023	0.0073
	Z	-0.0051	-0.0029	-0.0060	0.0040	0.0033	0.0023
AT. 29 CA	X	-0.0066	-0.0009	0.0073	0.0087	0.0000	0.0000
	Y	-0.0017	-0.0010	0.0024	0.0045	0.0000	0.0000
	Z	-0.0074	-0.0030	0.0084	0.0102	0.0000	0.0000
AT. 30 CA	X	-0.0066	0.0009	-0.0073	0.0087	0.0000	0.0000
	Y	-0.0017	0.0010	-0.0024	0.0045	0.0000	0.0000
	Z	0.0074	-0.0030	0.0084	-0.0102	0.0000	0.0000
AT. 31 CA	X	-0.0066	0.0009	0.0073	-0.0087	0.0000	0.0000
	Y	0.0017	-0.0010	-0.0024	0.0045	0.0000	0.0000
	Z	0.0074	-0.0030	-0.0084	0.0102	0.0000	0.0000
AT. 32 CA	X	-0.0066	-0.0009	-0.0073	-0.0087	0.0000	0.0000
	Y	0.0017	0.0010	0.0024	0.0045	0.0000	0.0000
	Z	-0.0074	-0.0030	-0.0084	-0.0102	0.0000	0.0000
AT. 33 CA	X	0.0091	0.0092	-0.0070	0.0067	-0.0057	0.0057
	Y	0.0036	0.0020	-0.0020	0.0054	-0.0044	0.0095
	Z	-0.0075	-0.0089	0.0036	-0.0091	0.0079	-0.0130
AT. 34 CA	X	0.0091	-0.0092	0.0070	0.0067	0.0057	-0.0057
	Y	0.0036	-0.0020	0.0020	0.0054	0.0044	-0.0095
	Z	0.0075	-0.0089	0.0036	0.0091	0.0079	-0.0130
AT. 35 CA	X	0.0091	-0.0092	-0.0070	-0.0067	-0.0057	-0.0057
	Y	-0.0036	0.0020	0.0020	0.0054	0.0044	0.0095
	Z	0.0075	-0.0089	-0.0036	-0.0091	-0.0079	-0.0130
AT. 36 CA	X	0.0091	0.0092	0.0070	-0.0067	0.0057	0.0057
	Y	-0.0036	-0.0020	-0.0020	0.0054	-0.0044	-0.0095
	Z	-0.0075	-0.0089	-0.0036	0.0091	-0.0079	-0.0130
AT. 37 CA	X	0.0091	0.0092	-0.0070	0.0067	0.0057	-0.0057
	Y	0.0036	0.0020	-0.0020	0.0054	0.0044	-0.0095
	Z	-0.0075	-0.0089	0.0036	-0.0091	-0.0079	0.0130
AT. 38 CA	X	0.0091	-0.0092	0.0070	0.0067	-0.0057	0.0057
	Y	0.0036	-0.0020	0.0020	0.0054	-0.0044	0.0095
	Z	0.0075	-0.0089	0.0036	0.0091	-0.0079	0.0130
AT. 39 CA	X	0.0091	-0.0092	-0.0070	-0.0067	0.0057	0.0057
	Y	-0.0036	0.0020	0.0020	0.0054	-0.0044	-0.0095
	Z	0.0075	-0.0089	-0.0036	-0.0091	0.0079	0.0130
AT. 40 CA	X	0.0091	0.0092	0.0070	-0.0067	-0.0057	-0.0057
	Y	-0.0036	-0.0020	-0.0020	0.0054	0.0044	0.0095
	Z	-0.0075	-0.0089	-0.0036	0.0091	0.0079	0.0130
AT. 41 CA	X	-0.0076	-0.0064	0.0001	0.0020	-0.0013	-0.0020
	Y	0.0034	0.0019	-0.0017	-0.0064	0.0076	0.0002
	Z	-0.0018	-0.0019	0.0091	-0.0007	0.0025	-0.0038
AT. 42 CA	X	-0.0076	0.0064	-0.0001	0.0020	0.0013	0.0020
	Y	0.0034	-0.0019	0.0017	-0.0064	-0.0076	-0.0002
	Z	0.0018	-0.0019	0.0091	0.0007	0.0025	-0.0038
AT. 43 CA	X	-0.0076	0.0064	0.0001	-0.0020	-0.0013	0.0020
	Y	-0.0034	0.0019	0.0017	-0.0064	-0.0076	0.0002
	Z	0.0018	-0.0019	-0.0091	-0.0007	-0.0025	-0.0038
AT. 44 CA	X	-0.0076	-0.0064	-0.0001	-0.0020	0.0013	-0.0020
	Y	-0.0034	-0.0019	-0.0017	-0.0064	0.0076	-0.0002

		Z	-0.0018	-0.0019	-0.0091	0.0007	-0.0025	-0.0038
AT.	45 CA	X	-0.0076	-0.0064	0.0001	0.0020	0.0013	0.0020
		Y	0.0034	0.0019	-0.0017	-0.0064	-0.0076	-0.0002
		Z	-0.0018	-0.0019	0.0091	-0.0007	-0.0025	0.0038
AT.	46 CA	X	-0.0076	0.0064	-0.0001	0.0020	-0.0013	-0.0020
		Y	0.0034	-0.0019	0.0017	-0.0064	0.0076	0.0002
		Z	0.0018	-0.0019	0.0091	0.0007	-0.0025	0.0038
AT.	47 CA	X	-0.0076	0.0064	0.0001	-0.0020	0.0013	-0.0020
		Y	-0.0034	0.0019	0.0017	-0.0064	0.0076	-0.0002
		Z	0.0018	-0.0019	-0.0091	-0.0007	0.0025	0.0038
AT.	48 CA	X	-0.0076	-0.0064	-0.0001	-0.0020	-0.0013	0.0020
		Y	-0.0034	-0.0019	-0.0017	-0.0064	-0.0076	0.0002
		Z	-0.0018	-0.0019	-0.0091	0.0007	0.0025	0.0038
AT.	49 CA	X	0.0040	0.0065	0.0000	0.0000	0.0000	-0.0010
		Y	0.0000	0.0000	0.0065	0.0121	-0.0132	0.0000
		Z	0.0064	0.0052	0.0000	0.0000	0.0000	0.0032
AT.	50 CA	X	0.0040	-0.0065	0.0000	0.0000	0.0000	0.0010
		Y	0.0000	0.0000	-0.0065	0.0121	0.0132	0.0000
		Z	-0.0064	0.0052	0.0000	0.0000	0.0000	0.0032
AT.	51 CA	X	0.0040	0.0065	0.0000	0.0000	0.0000	0.0010
		Y	0.0000	0.0000	0.0065	0.0121	0.0132	0.0000
		Z	0.0064	0.0052	0.0000	0.0000	0.0000	-0.0032
AT.	52 CA	X	0.0040	-0.0065	0.0000	0.0000	0.0000	-0.0010
		Y	0.0000	0.0000	-0.0065	0.0121	-0.0132	0.0000
		Z	-0.0064	0.0052	0.0000	0.0000	0.0000	-0.0032
AT.	53 O	X	-0.0001	-0.0008	-0.0015	-0.0032	-0.0014	-0.0031
		Y	-0.0026	-0.0001	0.0009	-0.0013	0.0023	0.0035
		Z	0.0100	0.0080	-0.0104	-0.0022	-0.0039	-0.0014
AT.	54 O	X	-0.0001	0.0008	0.0015	-0.0032	0.0014	0.0031
		Y	-0.0026	0.0001	-0.0009	-0.0013	-0.0023	-0.0035
		Z	-0.0100	0.0080	-0.0104	0.0022	-0.0039	-0.0014
AT.	55 O	X	-0.0001	0.0008	-0.0015	0.0032	-0.0014	0.0031
		Y	0.0026	-0.0001	-0.0009	-0.0013	-0.0023	0.0035
		Z	-0.0100	0.0080	0.0104	-0.0022	0.0039	-0.0014
AT.	56 O	X	-0.0001	-0.0008	0.0015	0.0032	0.0014	-0.0031
		Y	0.0026	0.0001	0.0009	-0.0013	0.0023	-0.0035
		Z	0.0100	0.0080	0.0104	0.0022	0.0039	-0.0014
AT.	57 O	X	-0.0001	-0.0008	-0.0015	-0.0032	0.0014	0.0031
		Y	-0.0026	-0.0001	0.0009	-0.0013	-0.0023	-0.0035
		Z	0.0100	0.0080	-0.0104	-0.0022	0.0039	0.0014
AT.	58 O	X	-0.0001	0.0008	0.0015	-0.0032	-0.0014	-0.0031
		Y	-0.0026	0.0001	-0.0009	-0.0013	0.0023	0.0035
		Z	-0.0100	0.0080	-0.0104	0.0022	0.0039	0.0014
AT.	59 O	X	-0.0001	0.0008	-0.0015	0.0032	0.0014	-0.0031
		Y	0.0026	-0.0001	-0.0009	-0.0013	0.0023	-0.0035
		Z	-0.0100	0.0080	0.0104	-0.0022	-0.0039	0.0014
AT.	60 O	X	-0.0001	-0.0008	0.0015	0.0032	-0.0014	0.0031
		Y	0.0026	0.0001	0.0009	-0.0013	-0.0023	0.0035
		Z	0.0100	0.0080	0.0104	0.0022	-0.0039	0.0014
AT.	61 O	X	0.0090	0.0025	-0.0120	-0.0074	0.0039	0.0016
		Y	-0.0007	-0.0012	-0.0001	0.0001	-0.0037	-0.0004
		Z	0.0080	0.0051	-0.0075	-0.0028	0.0000	0.0030
AT.	62 O	X	0.0090	-0.0025	0.0120	-0.0074	-0.0039	-0.0016
		Y	-0.0007	0.0012	0.0001	0.0001	0.0037	0.0004
		Z	-0.0080	0.0051	-0.0075	0.0028	0.0000	0.0030
AT.	63 O	X	0.0090	-0.0025	-0.0120	0.0074	0.0039	-0.0016
		Y	0.0007	-0.0012	0.0001	0.0001	0.0037	-0.0004
		Z	-0.0080	0.0051	0.0075	-0.0028	0.0000	0.0030
AT.	64 O	X	0.0090	0.0025	0.0120	0.0074	-0.0039	0.0016
		Y	0.0007	0.0012	-0.0001	0.0001	-0.0037	0.0004
		Z	0.0080	0.0051	0.0075	0.0028	0.0000	0.0030

AT.	65	O	X	0.0090	0.0025	-0.0120	-0.0074	-0.0039	-0.0016
			Y	-0.0007	-0.0012	-0.0001	0.0001	0.0037	0.0004
			Z	0.0080	0.0051	-0.0075	-0.0028	0.0000	-0.0030
AT.	66	O	X	0.0090	-0.0025	0.0120	-0.0074	0.0039	0.0016
			Y	-0.0007	0.0012	0.0001	0.0001	-0.0037	-0.0004
			Z	-0.0080	0.0051	-0.0075	0.0028	0.0000	-0.0030
AT.	67	O	X	0.0090	-0.0025	-0.0120	0.0074	-0.0039	0.0016
			Y	0.0007	-0.0012	0.0001	0.0001	-0.0037	0.0004
			Z	-0.0080	0.0051	0.0075	-0.0028	0.0000	-0.0030
AT.	68	O	X	0.0090	0.0025	0.0120	0.0074	0.0039	-0.0016
			Y	0.0007	0.0012	-0.0001	0.0001	0.0037	-0.0004
			Z	0.0080	0.0051	0.0075	0.0028	0.0000	-0.0030
AT.	69	O	X	-0.0077	-0.0071	0.0090	-0.0048	0.0031	-0.0067
			Y	-0.0053	-0.0066	0.0019	0.0041	-0.0002	-0.0036
			Z	0.0104	0.0031	-0.0098	0.0047	-0.0080	0.0038
AT.	70	O	X	-0.0077	0.0071	-0.0090	-0.0048	-0.0031	0.0067
			Y	-0.0053	0.0066	-0.0019	0.0041	0.0002	0.0036
			Z	-0.0104	0.0031	-0.0098	-0.0047	-0.0080	0.0038
AT.	71	O	X	-0.0077	0.0071	0.0090	0.0048	0.0031	0.0067
			Y	0.0053	-0.0066	-0.0019	0.0041	0.0002	-0.0036
			Z	-0.0104	0.0031	0.0098	0.0047	0.0080	0.0038
AT.	72	O	X	-0.0077	-0.0071	-0.0090	0.0048	-0.0031	-0.0067
			Y	0.0053	0.0066	0.0019	0.0041	-0.0002	0.0036
			Z	0.0104	0.0031	0.0098	-0.0047	0.0080	0.0038
AT.	73	O	X	-0.0077	-0.0071	0.0090	-0.0048	-0.0031	0.0067
			Y	-0.0053	-0.0066	0.0019	0.0041	0.0002	0.0036
			Z	0.0104	0.0031	-0.0098	0.0047	0.0080	-0.0038
AT.	74	O	X	-0.0077	0.0071	-0.0090	-0.0048	0.0031	-0.0067
			Y	-0.0053	0.0066	-0.0019	0.0041	-0.0002	-0.0036
			Z	-0.0104	0.0031	-0.0098	-0.0047	0.0080	-0.0038
AT.	75	O	X	-0.0077	0.0071	0.0090	0.0048	-0.0031	-0.0067
			Y	0.0053	-0.0066	-0.0019	0.0041	-0.0002	0.0036
			Z	-0.0104	0.0031	0.0098	0.0047	-0.0080	-0.0038
AT.	76	O	X	-0.0077	-0.0071	-0.0090	0.0048	0.0031	0.0067
			Y	0.0053	0.0066	0.0019	0.0041	0.0002	-0.0036
			Z	0.0104	0.0031	0.0098	-0.0047	-0.0080	-0.0038
AT.	77	O	X	0.0024	-0.0012	-0.0033	-0.0043	0.0010	-0.0013
			Y	0.0040	0.0065	-0.0030	-0.0081	0.0044	0.0013
			Z	-0.0002	0.0027	0.0004	0.0006	-0.0001	0.0043
AT.	78	O	X	0.0024	0.0012	0.0033	-0.0043	-0.0010	0.0013
			Y	0.0040	-0.0065	0.0030	-0.0081	-0.0044	-0.0013
			Z	0.0002	0.0027	0.0004	-0.0006	-0.0001	0.0043
AT.	79	O	X	0.0024	0.0012	-0.0033	0.0043	0.0010	0.0013
			Y	-0.0040	0.0065	0.0030	-0.0081	-0.0044	0.0013
			Z	0.0002	0.0027	-0.0004	0.0006	0.0001	0.0043
AT.	80	O	X	0.0024	-0.0012	0.0033	0.0043	-0.0010	-0.0013
			Y	-0.0040	-0.0065	-0.0030	-0.0081	0.0044	-0.0013
			Z	-0.0002	0.0027	-0.0004	-0.0006	0.0001	0.0043
AT.	81	O	X	0.0024	-0.0012	-0.0033	-0.0043	-0.0010	0.0013
			Y	0.0040	0.0065	-0.0030	-0.0081	-0.0044	-0.0013
			Z	-0.0002	0.0027	0.0004	0.0006	0.0001	-0.0043
AT.	82	O	X	0.0024	0.0012	0.0033	-0.0043	0.0010	-0.0013
			Y	0.0040	-0.0065	0.0030	-0.0081	0.0044	0.0013
			Z	0.0002	0.0027	0.0004	-0.0006	0.0001	-0.0043
AT.	83	O	X	0.0024	0.0012	-0.0033	0.0043	-0.0010	-0.0013
			Y	-0.0040	0.0065	0.0030	-0.0081	0.0044	-0.0013
			Z	0.0002	0.0027	-0.0004	0.0006	-0.0001	-0.0043
AT.	84	O	X	0.0024	-0.0012	0.0033	0.0043	0.0010	0.0013
			Y	-0.0040	-0.0065	-0.0030	-0.0081	-0.0044	0.0013
			Z	-0.0002	0.0027	-0.0004	-0.0006	-0.0001	-0.0043
AT.	85	O	X	-0.0142	-0.0155	0.0099	0.0063	-0.0078	-0.0028

	Y	-0.0011	-0.0075	0.0073	0.0053	-0.0043	0.0009
	Z	-0.0038	0.0000	-0.0071	0.0108	-0.0123	-0.0024
AT. 86 O	X	-0.0142	0.0155	-0.0099	0.0063	0.0078	0.0028
	Y	-0.0011	0.0075	-0.0073	0.0053	0.0043	-0.0009
	Z	0.0038	0.0000	-0.0071	-0.0108	-0.0123	-0.0024
AT. 87 O	X	-0.0142	0.0155	0.0099	-0.0063	-0.0078	0.0028
	Y	0.0011	-0.0075	-0.0073	0.0053	0.0043	0.0009
	Z	0.0038	0.0000	0.0071	0.0108	0.0123	-0.0024
AT. 88 O	X	-0.0142	-0.0155	-0.0099	-0.0063	0.0078	-0.0028
	Y	0.0011	0.0075	0.0073	0.0053	-0.0043	-0.0009
	Z	-0.0038	0.0000	0.0071	-0.0108	0.0123	-0.0024
AT. 89 O	X	-0.0142	-0.0155	0.0099	0.0063	0.0078	0.0028
	Y	-0.0011	-0.0075	0.0073	0.0053	0.0043	-0.0009
	Z	-0.0038	0.0000	-0.0071	0.0108	0.0123	0.0024
AT. 90 O	X	-0.0142	0.0155	-0.0099	0.0063	-0.0078	-0.0028
	Y	-0.0011	0.0075	-0.0073	0.0053	-0.0043	0.0009
	Z	0.0038	0.0000	-0.0071	-0.0108	0.0123	0.0024
AT. 91 O	X	-0.0142	0.0155	0.0099	-0.0063	0.0078	-0.0028
	Y	0.0011	-0.0075	-0.0073	0.0053	-0.0043	-0.0009
	Z	0.0038	0.0000	0.0071	0.0108	-0.0123	0.0024
AT. 92 O	X	-0.0142	-0.0155	-0.0099	-0.0063	-0.0078	0.0028
	Y	0.0011	0.0075	0.0073	0.0053	0.0043	0.0009
	Z	-0.0038	0.0000	0.0071	-0.0108	-0.0123	0.0024
AT. 93 O	X	0.0033	0.0095	-0.0020	-0.0105	0.0108	0.0042
	Y	-0.0044	-0.0100	0.0030	0.0125	-0.0131	-0.0090
	Z	0.0150	0.0244	-0.0198	-0.0090	0.0100	0.0075
AT. 94 O	X	0.0033	-0.0095	0.0020	-0.0105	-0.0108	-0.0042
	Y	-0.0044	0.0100	-0.0030	0.0125	0.0131	0.0090
	Z	-0.0150	0.0244	-0.0198	0.0090	0.0100	0.0075
AT. 95 O	X	0.0033	-0.0095	-0.0020	0.0105	0.0108	-0.0042
	Y	0.0044	-0.0100	-0.0030	0.0125	0.0131	-0.0090
	Z	-0.0150	0.0244	0.0198	-0.0090	-0.0100	0.0075
AT. 96 O	X	0.0033	0.0095	0.0020	0.0105	-0.0108	0.0042
	Y	0.0044	0.0100	0.0030	0.0125	-0.0131	0.0090
	Z	0.0150	0.0244	0.0198	0.0090	-0.0100	0.0075
AT. 97 O	X	0.0033	0.0095	-0.0020	-0.0105	-0.0108	-0.0042
	Y	-0.0044	-0.0100	0.0030	0.0125	0.0131	0.0090
	Z	0.0150	0.0244	-0.0198	-0.0090	-0.0100	-0.0075
AT. 98 O	X	0.0033	-0.0095	0.0020	-0.0105	0.0108	0.0042
	Y	-0.0044	0.0100	-0.0030	0.0125	-0.0131	-0.0090
	Z	-0.0150	0.0244	-0.0198	0.0090	-0.0100	-0.0075
AT. 99 O	X	0.0033	-0.0095	-0.0020	0.0105	-0.0108	0.0042
	Y	0.0044	-0.0100	-0.0030	0.0125	-0.0131	0.0090
	Z	-0.0150	0.0244	0.0198	-0.0090	0.0100	-0.0075
AT. 100 O	X	0.0033	0.0095	0.0020	0.0105	0.0108	-0.0042
	Y	0.0044	0.0100	0.0030	0.0125	0.0131	-0.0090
	Z	0.0150	0.0244	0.0198	0.0090	0.0100	-0.0075
AT. 101 O	X	-0.0019	-0.0087	0.0073	-0.0058	0.0078	-0.0060
	Y	-0.0014	0.0034	-0.0039	-0.0007	0.0007	-0.0017
	Z	0.0000	0.0033	-0.0043	0.0069	-0.0071	0.0058
AT. 102 O	X	-0.0019	0.0087	-0.0073	-0.0058	-0.0078	0.0060
	Y	-0.0014	-0.0034	0.0039	-0.0007	-0.0007	0.0017
	Z	0.0000	0.0033	-0.0043	-0.0069	-0.0071	0.0058
AT. 103 O	X	-0.0019	0.0087	0.0073	0.0058	0.0078	0.0060
	Y	0.0014	0.0034	0.0039	-0.0007	-0.0007	-0.0017
	Z	0.0000	0.0033	0.0043	0.0069	0.0071	0.0058
AT. 104 O	X	-0.0019	-0.0087	-0.0073	0.0058	-0.0078	-0.0060
	Y	0.0014	-0.0034	-0.0039	-0.0007	0.0007	0.0017
	Z	0.0000	0.0033	0.0043	-0.0069	0.0071	0.0058
AT. 105 O	X	-0.0019	-0.0087	0.0073	-0.0058	-0.0078	0.0060
	Y	-0.0014	0.0034	-0.0039	-0.0007	-0.0007	0.0017

	Z	0.0000	0.0033	-0.0043	0.0069	0.0071	-0.0058
AT. 106 O	X	-0.0019	0.0087	-0.0073	-0.0058	0.0078	-0.0060
	Y	-0.0014	-0.0034	0.0039	-0.0007	0.0007	-0.0017
	Z	0.0000	0.0033	-0.0043	-0.0069	0.0071	-0.0058
AT. 107 O	X	-0.0019	0.0087	0.0073	0.0058	-0.0078	-0.0060
	Y	0.0014	0.0034	0.0039	-0.0007	0.0007	0.0017
	Z	0.0000	0.0033	0.0043	0.0069	-0.0071	-0.0058
AT. 108 O	X	-0.0019	-0.0087	-0.0073	0.0058	0.0078	0.0060
	Y	0.0014	-0.0034	-0.0039	-0.0007	-0.0007	-0.0017
	Z	0.0000	0.0033	0.0043	-0.0069	-0.0071	-0.0058
AT. 109 O	X	-0.0079	-0.0054	0.0094	-0.0018	0.0024	-0.0004
	Y	0.0017	-0.0078	-0.0024	0.0029	-0.0067	-0.0202
	Z	-0.0159	-0.0104	0.0214	-0.0018	0.0045	0.0107
AT. 110 O	X	-0.0079	0.0054	-0.0094	-0.0018	-0.0024	0.0004
	Y	0.0017	0.0078	0.0024	0.0029	0.0067	0.0202
	Z	0.0159	-0.0104	0.0214	0.0018	0.0045	0.0107
AT. 111 O	X	-0.0079	0.0054	0.0094	0.0018	0.0024	0.0004
	Y	-0.0017	-0.0078	0.0024	0.0029	0.0067	-0.0202
	Z	0.0159	-0.0104	-0.0214	-0.0018	-0.0045	0.0107
AT. 112 O	X	-0.0079	-0.0054	-0.0094	0.0018	-0.0024	-0.0004
	Y	-0.0017	0.0078	-0.0024	0.0029	-0.0067	0.0202
	Z	-0.0159	-0.0104	-0.0214	0.0018	-0.0045	0.0107
AT. 113 O	X	-0.0079	-0.0054	0.0094	-0.0018	-0.0024	0.0004
	Y	0.0017	-0.0078	-0.0024	0.0029	0.0067	0.0202
	Z	-0.0159	-0.0104	0.0214	-0.0018	-0.0045	-0.0107
AT. 114 O	X	-0.0079	0.0054	-0.0094	-0.0018	0.0024	-0.0004
	Y	0.0017	0.0078	0.0024	0.0029	-0.0067	-0.0202
	Z	0.0159	-0.0104	0.0214	0.0018	-0.0045	-0.0107
AT. 115 O	X	-0.0079	0.0054	0.0094	0.0018	-0.0024	-0.0004
	Y	-0.0017	-0.0078	0.0024	0.0029	-0.0067	0.0202
	Z	0.0159	-0.0104	-0.0214	-0.0018	0.0045	-0.0107
AT. 116 O	X	-0.0079	-0.0054	-0.0094	0.0018	0.0024	0.0004
	Y	-0.0017	0.0078	-0.0024	0.0029	0.0067	-0.0202
	Z	-0.0159	-0.0104	-0.0214	0.0018	0.0045	-0.0107
AT. 117 O	X	0.0109	0.0098	-0.0061	0.0027	-0.0034	0.0107
	Y	0.0014	-0.0085	0.0026	-0.0202	0.0223	-0.0154
	Z	0.0091	-0.0102	0.0030	0.0009	-0.0003	-0.0107
AT. 118 O	X	0.0109	-0.0098	0.0061	0.0027	0.0034	-0.0107
	Y	0.0014	0.0085	-0.0026	-0.0202	-0.0223	0.0154
	Z	-0.0091	-0.0102	0.0030	-0.0009	-0.0003	-0.0107
AT. 119 O	X	0.0109	-0.0098	-0.0061	-0.0027	-0.0034	-0.0107
	Y	-0.0014	-0.0085	-0.0026	-0.0202	-0.0223	-0.0154
	Z	-0.0091	-0.0102	-0.0030	0.0009	0.0003	-0.0107
AT. 120 O	X	0.0109	0.0098	0.0061	-0.0027	0.0034	0.0107
	Y	-0.0014	0.0085	0.0026	-0.0202	0.0223	0.0154
	Z	0.0091	-0.0102	-0.0030	-0.0009	0.0003	-0.0107
AT. 121 O	X	0.0109	0.0098	-0.0061	0.0027	0.0034	-0.0107
	Y	0.0014	-0.0085	0.0026	-0.0202	-0.0223	0.0154
	Z	0.0091	-0.0102	0.0030	0.0009	0.0003	0.0107
AT. 122 O	X	0.0109	-0.0098	0.0061	0.0027	-0.0034	0.0107
	Y	0.0014	0.0085	-0.0026	-0.0202	0.0223	-0.0154
	Z	-0.0091	-0.0102	0.0030	-0.0009	0.0003	0.0107
AT. 123 O	X	0.0109	-0.0098	-0.0061	-0.0027	0.0034	0.0107
	Y	-0.0014	-0.0085	-0.0026	-0.0202	0.0223	0.0154
	Z	-0.0091	-0.0102	-0.0030	0.0009	-0.0003	0.0107
AT. 124 O	X	0.0109	0.0098	0.0061	-0.0027	-0.0034	-0.0107
	Y	-0.0014	0.0085	0.0026	-0.0202	-0.0223	-0.0154
	Z	0.0091	-0.0102	-0.0030	-0.0009	-0.0003	0.0107

FREQ(CM**-1)	353.37	360.06	363.25	364.97	366.06	368.67

AT.	1	SI	X	-0.0001	0.0033	0.0005	-0.0020	-0.0040	0.0023
			Y	-0.0016	0.0033	0.0009	-0.0005	-0.0007	0.0040
			Z	-0.0036	0.0041	-0.0082	-0.0027	-0.0082	0.0040
AT.	2	SI	X	-0.0001	-0.0033	0.0005	-0.0020	0.0040	0.0023
			Y	-0.0016	-0.0033	0.0009	-0.0005	0.0007	0.0040
			Z	0.0036	0.0041	0.0082	0.0027	-0.0082	-0.0040
AT.	3	SI	X	0.0001	0.0033	0.0005	0.0020	0.0040	0.0023
			Y	-0.0016	-0.0033	-0.0009	-0.0005	-0.0007	-0.0040
			Z	-0.0036	-0.0041	0.0082	-0.0027	-0.0082	-0.0040
AT.	4	SI	X	0.0001	-0.0033	0.0005	0.0020	-0.0040	0.0023
			Y	-0.0016	0.0033	-0.0009	-0.0005	0.0007	-0.0040
			Z	0.0036	-0.0041	-0.0082	0.0027	-0.0082	0.0040
AT.	5	SI	X	0.0001	0.0033	-0.0005	-0.0020	-0.0040	0.0023
			Y	0.0016	0.0033	-0.0009	-0.0005	-0.0007	0.0040
			Z	0.0036	0.0041	0.0082	-0.0027	-0.0082	0.0040
AT.	6	SI	X	0.0001	-0.0033	-0.0005	-0.0020	0.0040	0.0023
			Y	0.0016	-0.0033	-0.0009	-0.0005	0.0007	0.0040
			Z	-0.0036	0.0041	-0.0082	0.0027	-0.0082	-0.0040
AT.	7	SI	X	-0.0001	0.0033	-0.0005	0.0020	0.0040	0.0023
			Y	0.0016	-0.0033	0.0009	-0.0005	-0.0007	-0.0040
			Z	0.0036	-0.0041	-0.0082	-0.0027	-0.0082	-0.0040
AT.	8	SI	X	-0.0001	-0.0033	-0.0005	0.0020	-0.0040	0.0023
			Y	0.0016	0.0033	0.0009	-0.0005	0.0007	-0.0040
			Z	-0.0036	-0.0041	0.0082	0.0027	-0.0082	0.0040
AT.	9	SI	X	0.0073	0.0029	0.0003	-0.0006	0.0001	-0.0008
			Y	-0.0030	-0.0034	0.0024	-0.0036	-0.0013	0.0050
			Z	-0.0040	-0.0018	-0.0090	0.0070	0.0052	-0.0022
AT.	10	SI	X	0.0073	-0.0029	0.0003	-0.0006	-0.0001	-0.0008
			Y	-0.0030	0.0034	0.0024	-0.0036	0.0013	0.0050
			Z	0.0040	-0.0018	0.0090	-0.0070	0.0052	0.0022
AT.	11	SI	X	-0.0073	0.0029	0.0003	0.0006	-0.0001	-0.0008
			Y	-0.0030	0.0034	-0.0024	-0.0036	-0.0013	-0.0050
			Z	-0.0040	0.0018	0.0090	0.0070	0.0052	0.0022
AT.	12	SI	X	-0.0073	-0.0029	0.0003	0.0006	0.0001	-0.0008
			Y	-0.0030	-0.0034	-0.0024	-0.0036	0.0013	-0.0050
			Z	0.0040	0.0018	-0.0090	-0.0070	0.0052	-0.0022
AT.	13	SI	X	-0.0073	0.0029	-0.0003	-0.0006	0.0001	-0.0008
			Y	0.0030	-0.0034	-0.0024	-0.0036	-0.0013	0.0050
			Z	0.0040	-0.0018	0.0090	0.0070	0.0052	-0.0022
AT.	14	SI	X	-0.0073	-0.0029	-0.0003	-0.0006	-0.0001	-0.0008
			Y	0.0030	0.0034	-0.0024	-0.0036	0.0013	0.0050
			Z	-0.0040	-0.0018	-0.0090	-0.0070	0.0052	0.0022
AT.	15	SI	X	0.0073	0.0029	-0.0003	0.0006	-0.0001	-0.0008
			Y	0.0030	0.0034	0.0024	-0.0036	-0.0013	-0.0050
			Z	0.0040	0.0018	-0.0090	0.0070	0.0052	0.0022
AT.	16	SI	X	0.0073	-0.0029	-0.0003	0.0006	0.0001	-0.0008
			Y	0.0030	-0.0034	0.0024	-0.0036	0.0013	-0.0050
			Z	-0.0040	0.0018	0.0090	-0.0070	0.0052	-0.0022
AT.	17	SI	X	0.0000	0.0000	0.0071	0.0000	-0.0053	0.0038
			Y	0.0042	0.0131	0.0000	0.0098	0.0000	0.0000
			Z	0.0000	0.0000	0.0006	0.0000	0.0002	-0.0023
AT.	18	SI	X	0.0000	0.0000	0.0071	0.0000	0.0053	0.0038
			Y	0.0042	-0.0131	0.0000	0.0098	0.0000	0.0000
			Z	0.0000	0.0000	-0.0006	0.0000	0.0002	0.0023
AT.	19	SI	X	0.0000	0.0000	-0.0071	0.0000	-0.0053	0.0038
			Y	-0.0042	0.0131	0.0000	0.0098	0.0000	0.0000
			Z	0.0000	0.0000	-0.0006	0.0000	0.0002	-0.0023
AT.	20	SI	X	0.0000	0.0000	-0.0071	0.0000	0.0053	0.0038
			Y	-0.0042	-0.0131	0.0000	0.0098	0.0000	0.0000
			Z	0.0000	0.0000	0.0006	0.0000	0.0002	0.0023
AT.	21	CA	X	0.0003	0.0010	0.0013	-0.0006	-0.0039	0.0000

	Y	-0.0051	-0.0060	0.0033	-0.0034	-0.0054	-0.0061
	Z	0.0026	-0.0009	0.0005	0.0008	0.0034	-0.0029
AT. 22 CA	X	0.0003	-0.0010	0.0013	-0.0006	0.0039	0.0000
	Y	-0.0051	0.0060	0.0033	-0.0034	0.0054	-0.0061
	Z	-0.0026	-0.0009	-0.0005	-0.0008	0.0034	0.0029
AT. 23 CA	X	-0.0003	0.0010	0.0013	0.0006	0.0039	0.0000
	Y	-0.0051	0.0060	-0.0033	-0.0034	-0.0054	0.0061
	Z	0.0026	0.0009	-0.0005	0.0008	0.0034	0.0029
AT. 24 CA	X	-0.0003	-0.0010	0.0013	0.0006	-0.0039	0.0000
	Y	-0.0051	-0.0060	-0.0033	-0.0034	0.0054	0.0061
	Z	-0.0026	0.0009	0.0005	-0.0008	0.0034	-0.0029
AT. 25 CA	X	-0.0003	0.0010	-0.0013	-0.0006	-0.0039	0.0000
	Y	0.0051	-0.0060	-0.0033	-0.0034	-0.0054	-0.0061
	Z	-0.0026	-0.0009	-0.0005	0.0008	0.0034	-0.0029
AT. 26 CA	X	-0.0003	-0.0010	-0.0013	-0.0006	0.0039	0.0000
	Y	0.0051	0.0060	-0.0033	-0.0034	0.0054	-0.0061
	Z	0.0026	-0.0009	0.0005	-0.0008	0.0034	0.0029
AT. 27 CA	X	0.0003	0.0010	-0.0013	0.0006	0.0039	0.0000
	Y	0.0051	0.0060	0.0033	-0.0034	-0.0054	0.0061
	Z	-0.0026	0.0009	0.0005	0.0008	0.0034	0.0029
AT. 28 CA	X	0.0003	-0.0010	-0.0013	0.0006	-0.0039	0.0000
	Y	0.0051	-0.0060	0.0033	-0.0034	0.0054	0.0061
	Z	0.0026	0.0009	-0.0005	-0.0008	0.0034	-0.0029
AT. 29 CA	X	0.0000	-0.0135	0.0000	0.0088	0.0172	-0.0109
	Y	0.0000	-0.0100	0.0000	0.0049	0.0090	-0.0094
	Z	0.0000	-0.0191	0.0000	0.0122	0.0222	-0.0175
AT. 30 CA	X	0.0000	0.0135	0.0000	0.0088	-0.0172	-0.0109
	Y	0.0000	0.0100	0.0000	0.0049	-0.0090	-0.0094
	Z	0.0000	-0.0191	0.0000	-0.0122	0.0222	0.0175
AT. 31 CA	X	0.0000	-0.0135	0.0000	-0.0088	-0.0172	-0.0109
	Y	0.0000	0.0100	0.0000	0.0049	0.0090	0.0094
	Z	0.0000	0.0191	0.0000	0.0122	0.0222	0.0175
AT. 32 CA	X	0.0000	0.0135	0.0000	-0.0088	0.0172	-0.0109
	Y	0.0000	-0.0100	0.0000	0.0049	-0.0090	0.0094
	Z	0.0000	0.0191	0.0000	-0.0122	0.0222	-0.0175
AT. 33 CA	X	-0.0104	-0.0065	-0.0089	0.0065	0.0051	-0.0033
	Y	-0.0048	-0.0031	-0.0073	0.0056	0.0042	-0.0056
	Z	0.0088	0.0059	0.0153	-0.0106	-0.0079	0.0074
AT. 34 CA	X	-0.0104	0.0065	-0.0089	0.0065	-0.0051	-0.0033
	Y	-0.0048	0.0031	-0.0073	0.0056	-0.0042	-0.0056
	Z	-0.0088	0.0059	-0.0153	0.0106	-0.0079	-0.0074
AT. 35 CA	X	0.0104	-0.0065	-0.0089	-0.0065	-0.0051	-0.0033
	Y	-0.0048	0.0031	0.0073	0.0056	0.0042	0.0056
	Z	0.0088	-0.0059	-0.0153	-0.0106	-0.0079	-0.0074
AT. 36 CA	X	0.0104	0.0065	-0.0089	-0.0065	0.0051	-0.0033
	Y	-0.0048	-0.0031	0.0073	0.0056	-0.0042	0.0056
	Z	-0.0088	-0.0059	0.0153	0.0106	-0.0079	0.0074
AT. 37 CA	X	0.0104	-0.0065	0.0089	0.0065	0.0051	-0.0033
	Y	0.0048	-0.0031	0.0073	0.0056	0.0042	-0.0056
	Z	-0.0088	0.0059	-0.0153	-0.0106	-0.0079	0.0074
AT. 38 CA	X	0.0104	0.0065	0.0089	0.0065	-0.0051	-0.0033
	Y	0.0048	0.0031	0.0073	0.0056	-0.0042	-0.0056
	Z	0.0088	0.0059	0.0153	0.0106	-0.0079	-0.0074
AT. 39 CA	X	-0.0104	-0.0065	0.0089	-0.0065	-0.0051	-0.0033
	Y	0.0048	0.0031	-0.0073	0.0056	0.0042	0.0056
	Z	-0.0088	-0.0059	0.0153	-0.0106	-0.0079	-0.0074
AT. 40 CA	X	-0.0104	0.0065	0.0089	-0.0065	0.0051	-0.0033
	Y	0.0048	-0.0031	-0.0073	0.0056	-0.0042	0.0056
	Z	0.0088	-0.0059	-0.0153	0.0106	-0.0079	0.0074
AT. 41 CA	X	-0.0004	-0.0035	0.0065	-0.0025	-0.0016	0.0039
	Y	0.0003	0.0005	0.0028	0.0002	-0.0004	0.0004

		Z	0.0096	0.0001	0.0044	-0.0014	0.0041	-0.0050
AT.	42	CA X	-0.0004	0.0035	0.0065	-0.0025	0.0016	0.0039
		Y	0.0003	-0.0005	0.0028	0.0002	0.0004	0.0004
		Z	-0.0096	0.0001	-0.0044	0.0014	0.0041	0.0050
AT.	43	CA X	0.0004	-0.0035	0.0065	0.0025	0.0016	0.0039
		Y	0.0003	-0.0005	-0.0028	0.0002	-0.0004	-0.0004
		Z	0.0096	-0.0001	-0.0044	-0.0014	0.0041	0.0050
AT.	44	CA X	0.0004	0.0035	0.0065	0.0025	-0.0016	0.0039
		Y	0.0003	0.0005	-0.0028	0.0002	0.0004	-0.0004
		Z	-0.0096	-0.0001	0.0044	0.0014	0.0041	-0.0050
AT.	45	CA X	0.0004	-0.0035	-0.0065	-0.0025	-0.0016	0.0039
		Y	-0.0003	0.0005	-0.0028	0.0002	-0.0004	0.0004
		Z	-0.0096	0.0001	-0.0044	-0.0014	0.0041	-0.0050
AT.	46	CA X	0.0004	0.0035	-0.0065	-0.0025	0.0016	0.0039
		Y	-0.0003	-0.0005	-0.0028	0.0002	0.0004	0.0004
		Z	0.0096	0.0001	0.0044	0.0014	0.0041	0.0050
AT.	47	CA X	-0.0004	-0.0035	-0.0065	0.0025	0.0016	0.0039
		Y	-0.0003	-0.0005	0.0028	0.0002	-0.0004	-0.0004
		Z	-0.0096	-0.0001	0.0044	-0.0014	0.0041	0.0050
AT.	48	CA X	-0.0004	0.0035	-0.0065	0.0025	-0.0016	0.0039
		Y	-0.0003	0.0005	0.0028	0.0002	0.0004	-0.0004
		Z	0.0096	-0.0001	-0.0044	0.0014	0.0041	-0.0050
AT.	49	CA X	0.0000	0.0000	-0.0024	0.0000	0.0000	0.0018
		Y	0.0108	0.0125	0.0000	-0.0058	0.0000	0.0000
		Z	0.0000	0.0000	-0.0018	0.0000	0.0001	-0.0027
AT.	50	CA X	0.0000	0.0000	-0.0024	0.0000	0.0000	0.0018
		Y	0.0108	-0.0125	0.0000	-0.0058	0.0000	0.0000
		Z	0.0000	0.0000	0.0018	0.0000	0.0001	0.0027
AT.	51	CA X	0.0000	0.0000	0.0024	0.0000	0.0000	0.0018
		Y	-0.0108	0.0125	0.0000	-0.0058	0.0000	0.0000
		Z	0.0000	0.0000	0.0018	0.0000	0.0001	-0.0027
AT.	52	CA X	0.0000	0.0000	0.0024	0.0000	0.0000	0.0018
		Y	-0.0108	-0.0125	0.0000	-0.0058	0.0000	0.0000
		Z	0.0000	0.0000	-0.0018	0.0000	0.0001	0.0027
AT.	53	O X	-0.0016	0.0002	0.0033	-0.0057	-0.0047	0.0038
		Y	-0.0020	0.0033	-0.0005	0.0011	-0.0005	0.0016
		Z	-0.0046	0.0029	-0.0082	0.0004	-0.0100	0.0000
AT.	54	O X	-0.0016	-0.0002	0.0033	-0.0057	0.0047	0.0038
		Y	-0.0020	-0.0033	-0.0005	0.0011	0.0005	0.0016
		Z	0.0046	0.0029	0.0082	-0.0004	-0.0100	0.0000
AT.	55	O X	0.0016	0.0002	0.0033	0.0057	0.0047	0.0038
		Y	-0.0020	-0.0033	0.0005	0.0011	-0.0005	-0.0016
		Z	-0.0046	-0.0029	0.0082	0.0004	-0.0100	0.0000
AT.	56	O X	0.0016	-0.0002	0.0033	0.0057	-0.0047	0.0038
		Y	-0.0020	0.0033	0.0005	0.0011	0.0005	-0.0016
		Z	0.0046	-0.0029	-0.0082	-0.0004	-0.0100	0.0000
AT.	57	O X	0.0016	0.0002	-0.0033	-0.0057	-0.0047	0.0038
		Y	0.0020	0.0033	0.0005	0.0011	-0.0005	0.0016
		Z	0.0046	0.0029	0.0082	0.0004	-0.0100	0.0000
AT.	58	O X	0.0016	-0.0002	-0.0033	-0.0057	0.0047	0.0038
		Y	0.0020	-0.0033	0.0005	0.0011	0.0005	0.0016
		Z	-0.0046	0.0029	-0.0082	-0.0004	-0.0100	0.0000
AT.	59	O X	-0.0016	0.0002	-0.0033	0.0057	0.0047	0.0038
		Y	0.0020	-0.0033	-0.0005	0.0011	-0.0005	-0.0016
		Z	0.0046	-0.0029	-0.0082	0.0004	-0.0100	0.0000
AT.	60	O X	-0.0016	-0.0002	-0.0033	0.0057	-0.0047	0.0038
		Y	0.0020	0.0033	-0.0005	0.0011	0.0005	-0.0016
		Z	-0.0046	-0.0029	0.0082	-0.0004	-0.0100	0.0000
AT.	61	O X	-0.0032	0.0126	0.0001	-0.0028	-0.0116	0.0103
		Y	-0.0009	0.0073	-0.0039	-0.0008	-0.0013	0.0071
		Z	-0.0047	0.0070	-0.0029	-0.0039	-0.0114	0.0064

AT.	62	O	X	-0.0032	-0.0126	0.0001	-0.0028	0.0116	0.0103
			Y	-0.0009	-0.0073	-0.0039	-0.0008	0.0013	0.0071
			Z	0.0047	0.0070	0.0029	0.0039	-0.0114	-0.0064
AT.	63	O	X	0.0032	0.0126	0.0001	0.0028	0.0116	0.0103
			Y	-0.0009	-0.0073	0.0039	-0.0008	-0.0013	-0.0071
			Z	-0.0047	-0.0070	0.0029	-0.0039	-0.0114	-0.0064
AT.	64	O	X	0.0032	-0.0126	0.0001	0.0028	-0.0116	0.0103
			Y	-0.0009	0.0073	0.0039	-0.0008	0.0013	-0.0071
			Z	0.0047	-0.0070	-0.0029	0.0039	-0.0114	0.0064
AT.	65	O	X	0.0032	0.0126	-0.0001	-0.0028	-0.0116	0.0103
			Y	0.0009	0.0073	0.0039	-0.0008	-0.0013	0.0071
			Z	0.0047	0.0070	0.0029	-0.0039	-0.0114	0.0064
AT.	66	O	X	0.0032	-0.0126	-0.0001	-0.0028	0.0116	0.0103
			Y	0.0009	-0.0073	0.0039	-0.0008	0.0013	0.0071
			Z	-0.0047	0.0070	-0.0029	0.0039	-0.0114	-0.0064
AT.	67	O	X	-0.0032	0.0126	-0.0001	0.0028	0.0116	0.0103
			Y	0.0009	-0.0073	-0.0039	-0.0008	-0.0013	-0.0071
			Z	0.0047	-0.0070	-0.0029	-0.0039	-0.0114	-0.0064
AT.	68	O	X	-0.0032	-0.0126	-0.0001	0.0028	-0.0116	0.0103
			Y	0.0009	0.0073	-0.0039	-0.0008	0.0013	-0.0071
			Z	-0.0047	-0.0070	0.0029	0.0039	-0.0114	0.0064
AT.	69	O	X	0.0110	0.0042	0.0048	-0.0057	-0.0055	-0.0003
			Y	0.0027	-0.0002	0.0013	0.0012	0.0057	0.0019
			Z	-0.0083	0.0021	-0.0100	0.0009	-0.0028	0.0040
AT.	70	O	X	0.0110	-0.0042	0.0048	-0.0057	0.0055	-0.0003
			Y	0.0027	0.0002	0.0013	0.0012	-0.0057	0.0019
			Z	0.0083	0.0021	0.0100	-0.0009	-0.0028	-0.0040
AT.	71	O	X	-0.0110	0.0042	0.0048	0.0057	0.0055	-0.0003
			Y	0.0027	0.0002	-0.0013	0.0012	0.0057	-0.0019
			Z	-0.0083	-0.0021	0.0100	0.0009	-0.0028	-0.0040
AT.	72	O	X	-0.0110	-0.0042	0.0048	0.0057	-0.0055	-0.0003
			Y	0.0027	-0.0002	-0.0013	0.0012	-0.0057	-0.0019
			Z	0.0083	-0.0021	-0.0100	-0.0009	-0.0028	0.0040
AT.	73	O	X	-0.0110	0.0042	-0.0048	-0.0057	-0.0055	-0.0003
			Y	-0.0027	-0.0002	-0.0013	0.0012	0.0057	0.0019
			Z	0.0083	0.0021	0.0100	0.0009	-0.0028	0.0040
AT.	74	O	X	-0.0110	-0.0042	-0.0048	-0.0057	0.0055	-0.0003
			Y	-0.0027	0.0002	-0.0013	0.0012	-0.0057	0.0019
			Z	-0.0083	0.0021	-0.0100	-0.0009	-0.0028	-0.0040
AT.	75	O	X	0.0110	0.0042	-0.0048	0.0057	0.0055	-0.0003
			Y	-0.0027	0.0002	0.0013	0.0012	0.0057	-0.0019
			Z	0.0083	-0.0021	-0.0100	0.0009	-0.0028	-0.0040
AT.	76	O	X	0.0110	-0.0042	-0.0048	0.0057	-0.0055	-0.0003
			Y	-0.0027	-0.0002	0.0013	0.0012	-0.0057	-0.0019
			Z	-0.0083	-0.0021	0.0100	-0.0009	-0.0028	0.0040
AT.	77	O	X	0.0006	0.0054	0.0009	-0.0033	-0.0065	0.0039
			Y	0.0008	0.0068	0.0006	-0.0022	-0.0094	0.0030
			Z	-0.0002	0.0011	-0.0004	0.0010	0.0024	0.0033
AT.	78	O	X	0.0006	-0.0054	0.0009	-0.0033	0.0065	0.0039
			Y	0.0008	-0.0068	0.0006	-0.0022	0.0094	0.0030
			Z	0.0002	0.0011	0.0004	-0.0010	0.0024	-0.0033
AT.	79	O	X	-0.0006	0.0054	0.0009	0.0033	0.0065	0.0039
			Y	0.0008	-0.0068	-0.0006	-0.0022	-0.0094	-0.0030
			Z	-0.0002	-0.0011	0.0004	0.0010	0.0024	-0.0033
AT.	80	O	X	-0.0006	-0.0054	0.0009	0.0033	-0.0065	0.0039
			Y	0.0008	0.0068	-0.0006	-0.0022	0.0094	-0.0030
			Z	0.0002	-0.0011	-0.0004	-0.0010	0.0024	0.0033
AT.	81	O	X	-0.0006	0.0054	-0.0009	-0.0033	-0.0065	0.0039
			Y	-0.0008	0.0068	-0.0006	-0.0022	-0.0094	0.0030
			Z	0.0002	0.0011	0.0004	0.0010	0.0024	0.0033
AT.	82	O	X	-0.0006	-0.0054	-0.0009	-0.0033	0.0065	0.0039

		Y	-0.0008	-0.0068	-0.0006	-0.0022	0.0094	0.0030
		Z	-0.0002	0.0011	-0.0004	-0.0010	0.0024	-0.0033
AT.	83 O	X	0.0006	0.0054	-0.0009	0.0033	0.0065	0.0039
		Y	-0.0008	-0.0068	0.0006	-0.0022	-0.0094	-0.0030
		Z	0.0002	-0.0011	-0.0004	0.0010	0.0024	-0.0033
AT.	84 O	X	0.0006	-0.0054	-0.0009	0.0033	-0.0065	0.0039
		Y	-0.0008	0.0068	0.0006	-0.0022	0.0094	-0.0030
		Z	-0.0002	-0.0011	0.0004	-0.0010	0.0024	0.0033
AT.	85 O	X	0.0092	-0.0056	0.0118	-0.0150	-0.0042	0.0047
		Y	0.0044	-0.0006	-0.0080	0.0044	0.0055	-0.0021
		Z	-0.0092	-0.0094	0.0046	-0.0051	-0.0014	0.0041
AT.	86 O	X	0.0092	0.0056	0.0118	-0.0150	0.0042	0.0047
		Y	0.0044	0.0006	-0.0080	0.0044	-0.0055	-0.0021
		Z	0.0092	-0.0094	-0.0046	0.0051	-0.0014	-0.0041
AT.	87 O	X	-0.0092	-0.0056	0.0118	0.0150	0.0042	0.0047
		Y	0.0044	0.0006	0.0080	0.0044	0.0055	0.0021
		Z	-0.0092	0.0094	-0.0046	-0.0051	-0.0014	-0.0041
AT.	88 O	X	-0.0092	0.0056	0.0118	0.0150	-0.0042	0.0047
		Y	0.0044	-0.0006	0.0080	0.0044	-0.0055	0.0021
		Z	0.0092	0.0094	0.0046	0.0051	-0.0014	0.0041
AT.	89 O	X	-0.0092	-0.0056	-0.0118	-0.0150	-0.0042	0.0047
		Y	-0.0044	-0.0006	0.0080	0.0044	0.0055	-0.0021
		Z	0.0092	-0.0094	-0.0046	-0.0051	-0.0014	0.0041
AT.	90 O	X	-0.0092	0.0056	-0.0118	-0.0150	0.0042	0.0047
		Y	-0.0044	0.0006	0.0080	0.0044	-0.0055	-0.0021
		Z	-0.0092	-0.0094	0.0046	0.0051	-0.0014	-0.0041
AT.	91 O	X	0.0092	-0.0056	-0.0118	0.0150	0.0042	0.0047
		Y	-0.0044	0.0006	-0.0080	0.0044	0.0055	0.0021
		Z	0.0092	0.0094	0.0046	-0.0051	-0.0014	-0.0041
AT.	92 O	X	0.0092	0.0056	-0.0118	0.0150	-0.0042	0.0047
		Y	-0.0044	-0.0006	-0.0080	0.0044	-0.0055	0.0021
		Z	-0.0092	0.0094	-0.0046	0.0051	-0.0014	0.0041
AT.	93 O	X	0.0010	0.0076	-0.0035	0.0020	-0.0024	-0.0081
		Y	0.0019	-0.0052	0.0039	-0.0051	0.0004	0.0064
		Z	-0.0167	0.0037	-0.0114	0.0138	0.0021	-0.0012
AT.	94 O	X	0.0010	-0.0076	-0.0035	0.0020	0.0024	-0.0081
		Y	0.0019	0.0052	0.0039	-0.0051	-0.0004	0.0064
		Z	0.0167	0.0037	0.0114	-0.0138	0.0021	0.0012
AT.	95 O	X	-0.0010	0.0076	-0.0035	-0.0020	0.0024	-0.0081
		Y	0.0019	0.0052	-0.0039	-0.0051	0.0004	-0.0064
		Z	-0.0167	-0.0037	0.0114	0.0138	0.0021	0.0012
AT.	96 O	X	-0.0010	-0.0076	-0.0035	-0.0020	-0.0024	-0.0081
		Y	0.0019	-0.0052	-0.0039	-0.0051	-0.0004	-0.0064
		Z	0.0167	-0.0037	-0.0114	-0.0138	0.0021	-0.0012
AT.	97 O	X	-0.0010	0.0076	0.0035	0.0020	-0.0024	-0.0081
		Y	-0.0019	-0.0052	-0.0039	-0.0051	0.0004	0.0064
		Z	0.0167	0.0037	0.0114	0.0138	0.0021	-0.0012
AT.	98 O	X	-0.0010	-0.0076	0.0035	0.0020	0.0024	-0.0081
		Y	-0.0019	0.0052	-0.0039	-0.0051	-0.0004	0.0064
		Z	-0.0167	0.0037	-0.0114	-0.0138	0.0021	0.0012
AT.	99 O	X	0.0010	0.0076	0.0035	-0.0020	0.0024	-0.0081
		Y	-0.0019	0.0052	0.0039	-0.0051	0.0004	-0.0064
		Z	0.0167	-0.0037	-0.0114	0.0138	0.0021	0.0012
AT.	100 O	X	0.0010	-0.0076	0.0035	-0.0020	-0.0024	-0.0081
		Y	-0.0019	-0.0052	0.0039	-0.0051	-0.0004	-0.0064
		Z	-0.0167	-0.0037	0.0114	-0.0138	0.0021	-0.0012
AT.	101 O	X	0.0071	0.0084	0.0029	0.0087	0.0010	0.0053
		Y	-0.0040	0.0010	-0.0026	0.0055	-0.0020	-0.0007
		Z	-0.0085	-0.0047	-0.0084	0.0053	0.0024	-0.0032
AT.	102 O	X	0.0071	-0.0084	0.0029	0.0087	-0.0010	0.0053
		Y	-0.0040	-0.0010	-0.0026	0.0055	0.0020	-0.0007

	Z	0.0085	-0.0047	0.0084	-0.0053	0.0024	0.0032
AT. 103 O	X	-0.0071	0.0084	0.0029	-0.0087	-0.0010	0.0053
	Y	-0.0040	-0.0010	0.0026	0.0055	-0.0020	0.0007
	Z	-0.0085	0.0047	0.0084	0.0053	0.0024	0.0032
AT. 104 O	X	-0.0071	-0.0084	0.0029	-0.0087	0.0010	0.0053
	Y	-0.0040	0.0010	0.0026	0.0055	0.0020	0.0007
	Z	0.0085	0.0047	-0.0084	-0.0053	0.0024	-0.0032
AT. 105 O	X	-0.0071	0.0084	-0.0029	0.0087	0.0010	0.0053
	Y	0.0040	0.0010	0.0026	0.0055	-0.0020	-0.0007
	Z	0.0085	-0.0047	0.0084	0.0053	0.0024	-0.0032
AT. 106 O	X	-0.0071	-0.0084	-0.0029	0.0087	-0.0010	0.0053
	Y	0.0040	-0.0010	0.0026	0.0055	0.0020	-0.0007
	Z	-0.0085	-0.0047	-0.0084	-0.0053	0.0024	0.0032
AT. 107 O	X	0.0071	0.0084	-0.0029	-0.0087	-0.0010	0.0053
	Y	0.0040	-0.0010	-0.0026	0.0055	-0.0020	0.0007
	Z	0.0085	0.0047	-0.0084	0.0053	0.0024	0.0032
AT. 108 O	X	0.0071	-0.0084	-0.0029	-0.0087	0.0010	0.0053
	Y	0.0040	0.0010	-0.0026	0.0055	0.0020	0.0007
	Z	-0.0085	0.0047	0.0084	-0.0053	0.0024	-0.0032
AT. 109 O	X	0.0094	0.0043	0.0021	-0.0015	-0.0009	-0.0004
	Y	0.0027	-0.0037	0.0186	-0.0228	-0.0085	0.0133
	Z	0.0214	0.0100	-0.0009	0.0014	0.0028	-0.0051
AT. 110 O	X	0.0094	-0.0043	0.0021	-0.0015	0.0009	-0.0004
	Y	0.0027	0.0037	0.0186	-0.0228	0.0085	0.0133
	Z	-0.0214	0.0100	0.0009	-0.0014	0.0028	0.0051
AT. 111 O	X	-0.0094	0.0043	0.0021	0.0015	0.0009	-0.0004
	Y	0.0027	0.0037	-0.0186	-0.0228	-0.0085	-0.0133
	Z	0.0214	-0.0100	0.0009	0.0014	0.0028	0.0051
AT. 112 O	X	-0.0094	-0.0043	0.0021	0.0015	-0.0009	-0.0004
	Y	0.0027	-0.0037	-0.0186	-0.0228	0.0085	-0.0133
	Z	-0.0214	-0.0100	-0.0009	-0.0014	0.0028	-0.0051
AT. 113 O	X	-0.0094	0.0043	-0.0021	-0.0015	-0.0009	-0.0004
	Y	-0.0027	-0.0037	-0.0186	-0.0228	-0.0085	0.0133
	Z	-0.0214	0.0100	0.0009	0.0014	0.0028	-0.0051
AT. 114 O	X	-0.0094	-0.0043	-0.0021	-0.0015	0.0009	-0.0004
	Y	-0.0027	0.0037	-0.0186	-0.0228	0.0085	0.0133
	Z	0.0214	0.0100	-0.0009	-0.0014	0.0028	0.0051
AT. 115 O	X	0.0094	0.0043	-0.0021	0.0015	0.0009	-0.0004
	Y	-0.0027	0.0037	0.0186	-0.0228	-0.0085	-0.0133
	Z	-0.0214	-0.0100	-0.0009	0.0014	0.0028	0.0051
AT. 116 O	X	0.0094	-0.0043	-0.0021	0.0015	-0.0009	-0.0004
	Y	-0.0027	-0.0037	0.0186	-0.0228	0.0085	-0.0133
	Z	0.0214	-0.0100	0.0009	-0.0014	0.0028	-0.0051
AT. 117 O	X	-0.0054	-0.0027	-0.0024	-0.0068	-0.0028	-0.0151
	Y	0.0065	0.0133	0.0018	0.0125	0.0037	0.0202
	Z	0.0025	0.0024	0.0091	0.0053	-0.0062	-0.0026
AT. 118 O	X	-0.0054	0.0027	-0.0024	-0.0068	0.0028	-0.0151
	Y	0.0065	-0.0133	0.0018	0.0125	-0.0037	0.0202
	Z	-0.0025	0.0024	-0.0091	-0.0053	-0.0062	0.0026
AT. 119 O	X	0.0054	-0.0027	-0.0024	0.0068	0.0028	-0.0151
	Y	0.0065	-0.0133	-0.0018	0.0125	0.0037	-0.0202
	Z	0.0025	-0.0024	-0.0091	0.0053	-0.0062	0.0026
AT. 120 O	X	0.0054	0.0027	-0.0024	0.0068	-0.0028	-0.0151
	Y	0.0065	0.0133	-0.0018	0.0125	-0.0037	-0.0202
	Z	-0.0025	-0.0024	0.0091	-0.0053	-0.0062	-0.0026
AT. 121 O	X	0.0054	-0.0027	0.0024	-0.0068	-0.0028	-0.0151
	Y	-0.0065	0.0133	-0.0018	0.0125	0.0037	0.0202
	Z	-0.0025	0.0024	-0.0091	0.0053	-0.0062	-0.0026
AT. 122 O	X	0.0054	0.0027	0.0024	-0.0068	0.0028	-0.0151
	Y	-0.0065	-0.0133	-0.0018	0.0125	-0.0037	0.0202
	Z	0.0025	0.0024	0.0091	-0.0053	-0.0062	0.0026

AT. 123 O	X	-0.0054	-0.0027	0.0024	0.0068	0.0028	-0.0151
	Y	-0.0065	-0.0133	0.0018	0.0125	0.0037	-0.0202
	Z	-0.0025	-0.0024	0.0091	0.0053	-0.0062	0.0026
AT. 124 O	X	-0.0054	0.0027	0.0024	0.0068	-0.0028	-0.0151
	Y	-0.0065	0.0133	0.0018	0.0125	-0.0037	-0.0202
	Z	0.0025	-0.0024	-0.0091	-0.0053	-0.0062	-0.0026

FREQ(CM**-1)	369.07	376.60	382.22	384.26	387.79	388.42
AT. 1 SI X	-0.0001	-0.0005	-0.0005	-0.0007	-0.0019	-0.0019
Y	0.0004	0.0019	-0.0008	-0.0057	0.0005	0.0004
Z	-0.0067	0.0010	-0.0001	-0.0022	-0.0005	-0.0155
AT. 2 SI X	0.0001	-0.0005	0.0005	0.0007	-0.0019	-0.0019
Y	-0.0004	0.0019	0.0008	0.0057	0.0005	0.0004
Z	-0.0067	-0.0010	-0.0001	-0.0022	0.0005	0.0155
AT. 3 SI X	-0.0001	0.0005	0.0005	-0.0007	-0.0019	0.0019
Y	-0.0004	0.0019	-0.0008	0.0057	-0.0005	0.0004
Z	0.0067	0.0010	-0.0001	0.0022	0.0005	-0.0155
AT. 4 SI X	0.0001	0.0005	-0.0005	0.0007	-0.0019	0.0019
Y	0.0004	0.0019	0.0008	-0.0057	-0.0005	0.0004
Z	0.0067	-0.0010	-0.0001	0.0022	-0.0005	0.0155
AT. 5 SI X	0.0001	0.0005	0.0005	-0.0007	0.0019	-0.0019
Y	-0.0004	-0.0019	0.0008	-0.0057	-0.0005	0.0004
Z	0.0067	-0.0010	0.0001	-0.0022	0.0005	-0.0155
AT. 6 SI X	-0.0001	0.0005	-0.0005	0.0007	0.0019	-0.0019
Y	0.0004	-0.0019	-0.0008	0.0057	-0.0005	0.0004
Z	0.0067	0.0010	0.0001	-0.0022	-0.0005	0.0155
AT. 7 SI X	0.0001	-0.0005	-0.0005	-0.0007	0.0019	0.0019
Y	0.0004	-0.0019	0.0008	0.0057	0.0005	0.0004
Z	-0.0067	-0.0010	0.0001	0.0022	-0.0005	-0.0155
AT. 8 SI X	-0.0001	-0.0005	0.0005	0.0007	0.0019	0.0019
Y	-0.0004	-0.0019	-0.0008	-0.0057	0.0005	0.0004
Z	-0.0067	0.0010	0.0001	0.0022	0.0005	0.0155
AT. 9 SI X	0.0004	-0.0022	-0.0009	0.0018	0.0009	-0.0009
Y	0.0024	0.0070	-0.0029	-0.0059	0.0000	-0.0014
Z	-0.0102	-0.0036	0.0022	0.0041	-0.0024	-0.0065
AT. 10 SI X	-0.0004	-0.0022	0.0009	-0.0018	0.0009	-0.0009
Y	-0.0024	0.0070	0.0029	0.0059	0.0000	-0.0014
Z	-0.0102	0.0036	0.0022	0.0041	0.0024	0.0065
AT. 11 SI X	0.0004	0.0022	0.0009	0.0018	0.0009	0.0009
Y	-0.0024	0.0070	-0.0029	0.0059	0.0000	-0.0014
Z	0.0102	-0.0036	0.0022	-0.0041	0.0024	-0.0065
AT. 12 SI X	-0.0004	0.0022	-0.0009	-0.0018	0.0009	0.0009
Y	0.0024	0.0070	0.0029	-0.0059	0.0000	-0.0014
Z	0.0102	0.0036	0.0022	-0.0041	-0.0024	0.0065
AT. 13 SI X	-0.0004	0.0022	0.0009	0.0018	-0.0009	-0.0009
Y	-0.0024	-0.0070	0.0029	-0.0059	0.0000	-0.0014
Z	0.0102	0.0036	-0.0022	0.0041	0.0024	-0.0065
AT. 14 SI X	0.0004	0.0022	-0.0009	-0.0018	-0.0009	-0.0009
Y	0.0024	-0.0070	-0.0029	0.0059	0.0000	-0.0014
Z	0.0102	-0.0036	-0.0022	0.0041	-0.0024	0.0065
AT. 15 SI X	-0.0004	-0.0022	-0.0009	0.0018	-0.0009	0.0009
Y	0.0024	-0.0070	0.0029	0.0059	0.0000	-0.0014
Z	-0.0102	0.0036	-0.0022	-0.0041	-0.0024	-0.0065
AT. 16 SI X	0.0004	-0.0022	0.0009	-0.0018	-0.0009	0.0009
Y	-0.0024	-0.0070	-0.0029	-0.0059	0.0000	-0.0014
Z	-0.0102	-0.0036	-0.0022	-0.0041	0.0024	0.0065
AT. 17 SI X	0.0000	0.0000	-0.0048	0.0000	0.0004	0.0000
Y	-0.0067	-0.0156	0.0000	0.0102	0.0000	0.0027
Z	0.0000	0.0000	-0.0059	0.0000	0.0005	0.0000
AT. 18 SI X	0.0000	0.0000	0.0048	0.0000	0.0004	0.0000

	Y	0.0067	-0.0156	0.0000	-0.0102	0.0000	0.0027
	Z	0.0000	0.0000	-0.0059	0.0000	-0.0005	0.0000
AT. 19 SI	X	0.0000	0.0000	0.0048	0.0000	-0.0004	0.0000
	Y	0.0067	0.0156	0.0000	0.0102	0.0000	0.0027
	Z	0.0000	0.0000	0.0059	0.0000	-0.0005	0.0000
AT. 20 SI	X	0.0000	0.0000	-0.0048	0.0000	-0.0004	0.0000
	Y	-0.0067	0.0156	0.0000	-0.0102	0.0000	0.0027
	Z	0.0000	0.0000	0.0059	0.0000	0.0005	0.0000
AT. 21 CA	X	0.0002	-0.0014	-0.0013	0.0010	0.0045	-0.0031
	Y	0.0030	-0.0012	0.0013	0.0045	-0.0009	-0.0021
	Z	0.0007	-0.0003	-0.0006	0.0011	0.0002	0.0075
AT. 22 CA	X	-0.0002	-0.0014	0.0013	-0.0010	0.0045	-0.0031
	Y	-0.0030	-0.0012	-0.0013	-0.0045	-0.0009	-0.0021
	Z	0.0007	0.0003	-0.0006	0.0011	-0.0002	-0.0075
AT. 23 CA	X	0.0002	0.0014	0.0013	0.0010	0.0045	0.0031
	Y	-0.0030	-0.0012	0.0013	-0.0045	0.0009	-0.0021
	Z	-0.0007	-0.0003	-0.0006	-0.0011	-0.0002	0.0075
AT. 24 CA	X	-0.0002	0.0014	-0.0013	-0.0010	0.0045	0.0031
	Y	0.0030	-0.0012	-0.0013	0.0045	0.0009	-0.0021
	Z	-0.0007	0.0003	-0.0006	-0.0011	0.0002	-0.0075
AT. 25 CA	X	-0.0002	0.0014	0.0013	0.0010	-0.0045	-0.0031
	Y	-0.0030	0.0012	-0.0013	0.0045	0.0009	-0.0021
	Z	-0.0007	0.0003	0.0006	0.0011	-0.0002	0.0075
AT. 26 CA	X	0.0002	0.0014	-0.0013	-0.0010	-0.0045	-0.0031
	Y	0.0030	0.0012	0.0013	-0.0045	0.0009	-0.0021
	Z	-0.0007	-0.0003	0.0006	0.0011	0.0002	-0.0075
AT. 27 CA	X	-0.0002	-0.0014	-0.0013	0.0010	-0.0045	0.0031
	Y	0.0030	0.0012	-0.0013	-0.0045	-0.0009	-0.0021
	Z	0.0007	0.0003	0.0006	-0.0011	0.0002	0.0075
AT. 28 CA	X	0.0002	-0.0014	0.0013	-0.0010	-0.0045	0.0031
	Y	-0.0030	0.0012	0.0013	0.0045	-0.0009	-0.0021
	Z	0.0007	-0.0003	0.0006	-0.0011	-0.0002	-0.0075
AT. 29 CA	X	0.0000	0.0000	0.0000	0.0070	0.0000	0.0112
	Y	0.0000	0.0000	0.0000	0.0059	0.0000	0.0071
	Z	0.0000	0.0000	0.0000	0.0122	0.0000	0.0149
AT. 30 CA	X	0.0000	0.0000	0.0000	-0.0070	0.0000	0.0112
	Y	0.0000	0.0000	0.0000	-0.0059	0.0000	0.0071
	Z	0.0000	0.0000	0.0000	0.0122	0.0000	-0.0149
AT. 31 CA	X	0.0000	0.0000	0.0000	0.0070	0.0000	-0.0112
	Y	0.0000	0.0000	0.0000	-0.0059	0.0000	0.0071
	Z	0.0000	0.0000	0.0000	-0.0122	0.0000	0.0149
AT. 32 CA	X	0.0000	0.0000	0.0000	-0.0070	0.0000	-0.0112
	Y	0.0000	0.0000	0.0000	0.0059	0.0000	0.0071
	Z	0.0000	0.0000	0.0000	-0.0122	0.0000	-0.0149
AT. 33 CA	X	-0.0071	-0.0003	0.0029	0.0027	0.0003	-0.0024
	Y	-0.0068	-0.0045	0.0024	0.0061	-0.0005	-0.0027
	Z	0.0124	0.0050	-0.0050	-0.0078	0.0016	0.0047
AT. 34 CA	X	0.0071	-0.0003	-0.0029	-0.0027	0.0003	-0.0024
	Y	0.0068	-0.0045	-0.0024	-0.0061	-0.0005	-0.0027
	Z	0.0124	-0.0050	-0.0050	-0.0078	-0.0016	-0.0047
AT. 35 CA	X	-0.0071	0.0003	-0.0029	0.0027	0.0003	0.0024
	Y	0.0068	-0.0045	0.0024	-0.0061	0.0005	-0.0027
	Z	-0.0124	0.0050	-0.0050	0.0078	-0.0016	0.0047
AT. 36 CA	X	0.0071	0.0003	0.0029	-0.0027	0.0003	0.0024
	Y	-0.0068	-0.0045	-0.0024	0.0061	0.0005	-0.0027
	Z	-0.0124	-0.0050	-0.0050	0.0078	0.0016	-0.0047
AT. 37 CA	X	0.0071	0.0003	-0.0029	0.0027	-0.0003	-0.0024
	Y	0.0068	0.0045	-0.0024	0.0061	0.0005	-0.0027
	Z	-0.0124	-0.0050	0.0050	-0.0078	-0.0016	0.0047
AT. 38 CA	X	-0.0071	0.0003	0.0029	-0.0027	-0.0003	-0.0024
	Y	-0.0068	0.0045	0.0024	-0.0061	0.0005	-0.0027

		Z	-0.0124	0.0050	0.0050	-0.0078	0.0016	-0.0047
AT.	39	CA X	0.0071	-0.0003	0.0029	0.0027	-0.0003	0.0024
		Y	-0.0068	0.0045	-0.0024	-0.0061	-0.0005	-0.0027
		Z	0.0124	-0.0050	0.0050	0.0078	0.0016	0.0047
AT.	40	CA X	-0.0071	-0.0003	-0.0029	-0.0027	-0.0003	0.0024
		Y	0.0068	0.0045	0.0024	0.0061	-0.0005	-0.0027
		Z	0.0124	0.0050	0.0050	0.0078	-0.0016	-0.0047
AT.	41	CA X	0.0036	0.0032	0.0081	-0.0018	-0.0012	0.0023
		Y	0.0027	-0.0034	0.0052	0.0035	-0.0002	0.0037
		Z	0.0055	-0.0004	-0.0086	0.0007	0.0012	0.0060
AT.	42	CA X	-0.0036	0.0032	-0.0081	0.0018	-0.0012	0.0023
		Y	-0.0027	-0.0034	-0.0052	-0.0035	-0.0002	0.0037
		Z	0.0055	0.0004	-0.0086	0.0007	-0.0012	-0.0060
AT.	43	CA X	0.0036	-0.0032	-0.0081	-0.0018	-0.0012	-0.0023
		Y	-0.0027	-0.0034	0.0052	-0.0035	0.0002	0.0037
		Z	-0.0055	-0.0004	-0.0086	-0.0007	-0.0012	0.0060
AT.	44	CA X	-0.0036	-0.0032	0.0081	0.0018	-0.0012	-0.0023
		Y	0.0027	-0.0034	-0.0052	0.0035	0.0002	0.0037
		Z	-0.0055	0.0004	-0.0086	-0.0007	0.0012	-0.0060
AT.	45	CA X	-0.0036	-0.0032	-0.0081	-0.0018	0.0012	0.0023
		Y	-0.0027	0.0034	-0.0052	0.0035	0.0002	0.0037
		Z	-0.0055	0.0004	0.0086	0.0007	-0.0012	0.0060
AT.	46	CA X	0.0036	-0.0032	0.0081	0.0018	0.0012	0.0023
		Y	0.0027	0.0034	0.0052	-0.0035	0.0002	0.0037
		Z	-0.0055	-0.0004	0.0086	0.0007	0.0012	-0.0060
AT.	47	CA X	-0.0036	0.0032	0.0081	-0.0018	0.0012	-0.0023
		Y	0.0027	0.0034	-0.0052	-0.0035	-0.0002	0.0037
		Z	0.0055	0.0004	0.0086	-0.0007	0.0012	0.0060
AT.	48	CA X	0.0036	0.0032	-0.0081	0.0018	0.0012	-0.0023
		Y	-0.0027	0.0034	0.0052	0.0035	-0.0002	0.0037
		Z	0.0055	-0.0004	0.0086	-0.0007	-0.0012	-0.0060
AT.	49	CA X	0.0000	0.0000	0.0029	0.0000	-0.0007	0.0000
		Y	0.0032	-0.0137	0.0000	0.0089	0.0000	-0.0024
		Z	0.0000	0.0000	-0.0003	0.0000	0.0007	0.0000
AT.	50	CA X	0.0000	0.0000	-0.0029	0.0000	-0.0007	0.0000
		Y	-0.0032	-0.0137	0.0000	-0.0089	0.0000	-0.0024
		Z	0.0000	0.0000	-0.0003	0.0000	-0.0007	0.0000
AT.	51	CA X	0.0000	0.0000	-0.0029	0.0000	0.0007	0.0000
		Y	-0.0032	0.0137	0.0000	0.0089	0.0000	-0.0024
		Z	0.0000	0.0000	0.0003	0.0000	-0.0007	0.0000
AT.	52	CA X	0.0000	0.0000	0.0029	0.0000	0.0007	0.0000
		Y	0.0032	0.0137	0.0000	-0.0089	0.0000	-0.0024
		Z	0.0000	0.0000	0.0003	0.0000	0.0007	0.0000
AT.	53	O X	0.0038	0.0056	0.0013	-0.0086	-0.0223	0.0054
		Y	-0.0015	-0.0014	-0.0010	-0.0005	0.0072	-0.0018
		Z	-0.0080	0.0034	-0.0053	0.0012	0.0066	-0.0123
AT.	54	O X	-0.0038	0.0056	-0.0013	0.0086	-0.0223	0.0054
		Y	0.0015	-0.0014	0.0010	0.0005	0.0072	-0.0018
		Z	-0.0080	-0.0034	-0.0053	0.0012	-0.0066	0.0123
AT.	55	O X	0.0038	-0.0056	-0.0013	-0.0086	-0.0223	-0.0054
		Y	0.0015	-0.0014	-0.0010	0.0005	-0.0072	-0.0018
		Z	0.0080	0.0034	-0.0053	-0.0012	-0.0066	-0.0123
AT.	56	O X	-0.0038	-0.0056	0.0013	0.0086	-0.0223	-0.0054
		Y	-0.0015	-0.0014	0.0010	-0.0005	-0.0072	-0.0018
		Z	0.0080	-0.0034	-0.0053	-0.0012	0.0066	0.0123
AT.	57	O X	-0.0038	-0.0056	-0.0013	-0.0086	0.0223	0.0054
		Y	0.0015	0.0014	0.0010	-0.0005	-0.0072	-0.0018
		Z	0.0080	-0.0034	0.0053	0.0012	-0.0066	-0.0123
AT.	58	O X	0.0038	-0.0056	0.0013	0.0086	0.0223	0.0054
		Y	-0.0015	0.0014	-0.0010	0.0005	-0.0072	-0.0018
		Z	0.0080	0.0034	0.0053	0.0012	0.0066	0.0123

AT.	59	O	X	-0.0038	0.0056	0.0013	-0.0086	0.0223	-0.0054
			Y	-0.0015	0.0014	0.0010	0.0005	0.0072	-0.0018
			Z	-0.0080	-0.0034	0.0053	-0.0012	0.0066	-0.0123
AT.	60	O	X	0.0038	0.0056	-0.0013	0.0086	0.0223	-0.0054
			Y	0.0015	0.0014	-0.0010	-0.0005	0.0072	-0.0018
			Z	-0.0080	0.0034	0.0053	-0.0012	-0.0066	0.0123
AT.	61	O	X	-0.0009	-0.0074	0.0074	-0.0012	-0.0031	-0.0066
			Y	-0.0030	-0.0010	0.0033	-0.0059	-0.0131	-0.0017
			Z	-0.0027	-0.0016	0.0010	-0.0015	0.0079	-0.0129
AT.	62	O	X	0.0009	-0.0074	-0.0074	0.0012	-0.0031	-0.0066
			Y	0.0030	-0.0010	-0.0033	0.0059	-0.0131	-0.0017
			Z	-0.0027	0.0016	0.0010	-0.0015	-0.0079	0.0129
AT.	63	O	X	-0.0009	0.0074	-0.0074	-0.0012	-0.0031	0.0066
			Y	0.0030	-0.0010	0.0033	0.0059	0.0131	-0.0017
			Z	0.0027	-0.0016	0.0010	0.0015	-0.0079	-0.0129
AT.	64	O	X	0.0009	0.0074	0.0074	0.0012	-0.0031	0.0066
			Y	-0.0030	-0.0010	-0.0033	-0.0059	0.0131	-0.0017
			Z	0.0027	0.0016	0.0010	0.0015	0.0079	0.0129
AT.	65	O	X	0.0009	0.0074	-0.0074	-0.0012	0.0031	-0.0066
			Y	0.0030	0.0010	-0.0033	-0.0059	0.0131	-0.0017
			Z	0.0027	0.0016	-0.0010	-0.0015	-0.0079	-0.0129
AT.	66	O	X	-0.0009	0.0074	0.0074	0.0012	0.0031	-0.0066
			Y	-0.0030	0.0010	0.0033	0.0059	0.0131	-0.0017
			Z	0.0027	-0.0016	-0.0010	-0.0015	0.0079	0.0129
AT.	67	O	X	0.0009	-0.0074	0.0074	-0.0012	0.0031	0.0066
			Y	-0.0030	0.0010	-0.0033	0.0059	-0.0131	-0.0017
			Z	-0.0027	0.0016	-0.0010	0.0015	0.0079	-0.0129
AT.	68	O	X	-0.0009	-0.0074	-0.0074	0.0012	0.0031	0.0066
			Y	0.0030	0.0010	0.0033	-0.0059	-0.0131	-0.0017
			Z	-0.0027	-0.0016	-0.0010	0.0015	-0.0079	0.0129
AT.	69	O	X	0.0028	0.0040	-0.0111	0.0007	0.0256	-0.0068
			Y	0.0005	0.0053	-0.0040	-0.0054	0.0045	0.0066
			Z	-0.0082	-0.0001	0.0035	-0.0023	-0.0077	-0.0073
AT.	70	O	X	-0.0028	0.0040	0.0111	-0.0007	0.0256	-0.0068
			Y	-0.0005	0.0053	0.0040	0.0054	0.0045	0.0066
			Z	-0.0082	0.0001	0.0035	-0.0023	0.0077	0.0073
AT.	71	O	X	0.0028	-0.0040	0.0111	0.0007	0.0256	0.0068
			Y	-0.0005	0.0053	-0.0040	0.0054	-0.0045	0.0066
			Z	0.0082	-0.0001	0.0035	0.0023	0.0077	-0.0073
AT.	72	O	X	-0.0028	-0.0040	-0.0111	-0.0007	0.0256	0.0068
			Y	0.0005	0.0053	0.0040	-0.0054	-0.0045	0.0066
			Z	0.0082	0.0001	0.0035	0.0023	-0.0077	0.0073
AT.	73	O	X	-0.0028	-0.0040	0.0111	0.0007	-0.0256	-0.0068
			Y	-0.0005	-0.0053	0.0040	-0.0054	-0.0045	0.0066
			Z	0.0082	0.0001	-0.0035	-0.0023	0.0077	-0.0073
AT.	74	O	X	0.0028	-0.0040	-0.0111	-0.0007	-0.0256	-0.0068
			Y	0.0005	-0.0053	-0.0040	0.0054	-0.0045	0.0066
			Z	0.0082	-0.0001	-0.0035	-0.0023	-0.0077	0.0073
AT.	75	O	X	-0.0028	0.0040	-0.0111	0.0007	-0.0256	0.0068
			Y	0.0005	-0.0053	0.0040	0.0054	0.0045	0.0066
			Z	-0.0082	0.0001	-0.0035	0.0023	-0.0077	-0.0073
AT.	76	O	X	0.0028	0.0040	0.0111	-0.0007	-0.0256	0.0068
			Y	-0.0005	-0.0053	-0.0040	-0.0054	0.0045	0.0066
			Z	-0.0082	-0.0001	-0.0035	0.0023	0.0077	0.0073
AT.	77	O	X	0.0000	-0.0004	-0.0008	-0.0017	-0.0015	-0.0035
			Y	-0.0006	-0.0038	-0.0008	0.0039	0.0141	-0.0088
			Z	0.0015	-0.0038	0.0079	-0.0019	-0.0173	0.0058
AT.	78	O	X	0.0000	-0.0004	0.0008	0.0017	-0.0015	-0.0035
			Y	0.0006	-0.0038	0.0008	-0.0039	0.0141	-0.0088
			Z	0.0015	0.0038	0.0079	-0.0019	0.0173	-0.0058
AT.	79	O	X	0.0000	0.0004	0.0008	-0.0017	-0.0015	0.0035

		Y	0.0006	-0.0038	-0.0008	-0.0039	-0.0141	-0.0088
		Z	-0.0015	-0.0038	0.0079	0.0019	0.0173	0.0058
AT.	80 O	X	0.0000	0.0004	-0.0008	0.0017	-0.0015	0.0035
		Y	-0.0006	-0.0038	0.0008	0.0039	-0.0141	-0.0088
		Z	-0.0015	0.0038	0.0079	0.0019	-0.0173	-0.0058
AT.	81 O	X	0.0000	0.0004	0.0008	-0.0017	0.0015	-0.0035
		Y	0.0006	0.0038	0.0008	0.0039	-0.0141	-0.0088
		Z	-0.0015	0.0038	-0.0079	-0.0019	0.0173	0.0058
AT.	82 O	X	0.0000	0.0004	-0.0008	0.0017	0.0015	-0.0035
		Y	-0.0006	0.0038	-0.0008	-0.0039	-0.0141	-0.0088
		Z	-0.0015	-0.0038	-0.0079	-0.0019	-0.0173	-0.0058
AT.	83 O	X	0.0000	-0.0004	-0.0008	-0.0017	0.0015	0.0035
		Y	-0.0006	0.0038	0.0008	-0.0039	0.0141	-0.0088
		Z	0.0015	0.0038	-0.0079	0.0019	-0.0173	0.0058
AT.	84 O	X	0.0000	-0.0004	0.0008	0.0017	0.0015	0.0035
		Y	0.0006	0.0038	-0.0008	0.0039	0.0141	-0.0088
		Z	0.0015	-0.0038	-0.0079	0.0019	0.0173	-0.0058
AT.	85 O	X	0.0149	0.0204	-0.0017	-0.0203	-0.0053	0.0087
		Y	-0.0062	0.0010	-0.0023	-0.0004	0.0022	-0.0036
		Z	0.0033	0.0115	0.0022	-0.0093	-0.0064	0.0009
AT.	86 O	X	-0.0149	0.0204	0.0017	0.0203	-0.0053	0.0087
		Y	0.0062	0.0010	0.0023	0.0004	0.0022	-0.0036
		Z	0.0033	-0.0115	0.0022	-0.0093	0.0064	-0.0009
AT.	87 O	X	0.0149	-0.0204	0.0017	-0.0203	-0.0053	-0.0087
		Y	0.0062	0.0010	-0.0023	0.0004	-0.0022	-0.0036
		Z	-0.0033	0.0115	0.0022	0.0093	0.0064	0.0009
AT.	88 O	X	-0.0149	-0.0204	-0.0017	0.0203	-0.0053	-0.0087
		Y	-0.0062	0.0010	0.0023	-0.0004	-0.0022	-0.0036
		Z	-0.0033	-0.0115	0.0022	0.0093	-0.0064	-0.0009
AT.	89 O	X	-0.0149	-0.0204	0.0017	-0.0203	0.0053	0.0087
		Y	0.0062	-0.0010	0.0023	-0.0004	-0.0022	-0.0036
		Z	-0.0033	-0.0115	-0.0022	-0.0093	0.0064	0.0009
AT.	90 O	X	0.0149	-0.0204	-0.0017	0.0203	0.0053	0.0087
		Y	-0.0062	-0.0010	-0.0023	0.0004	-0.0022	-0.0036
		Z	-0.0033	0.0115	-0.0022	-0.0093	-0.0064	-0.0009
AT.	91 O	X	-0.0149	0.0204	-0.0017	-0.0203	0.0053	-0.0087
		Y	-0.0062	-0.0010	0.0023	0.0004	0.0022	-0.0036
		Z	0.0033	-0.0115	-0.0022	0.0093	-0.0064	0.0009
AT.	92 O	X	0.0149	0.0204	0.0017	0.0203	0.0053	-0.0087
		Y	0.0062	-0.0010	-0.0023	-0.0004	0.0022	-0.0036
		Z	0.0033	0.0115	-0.0022	0.0093	0.0064	-0.0009
AT.	93 O	X	-0.0012	-0.0109	-0.0091	0.0105	0.0052	-0.0032
		Y	0.0026	0.0089	0.0007	-0.0074	-0.0016	-0.0019
		Z	-0.0117	-0.0103	0.0051	0.0074	-0.0025	0.0011
AT.	94 O	X	0.0012	-0.0109	0.0091	-0.0105	0.0052	-0.0032
		Y	-0.0026	0.0089	-0.0007	0.0074	-0.0016	-0.0019
		Z	-0.0117	0.0103	0.0051	0.0074	0.0025	-0.0011
AT.	95 O	X	-0.0012	0.0109	0.0091	0.0105	0.0052	0.0032
		Y	-0.0026	0.0089	0.0007	0.0074	0.0016	-0.0019
		Z	0.0117	-0.0103	0.0051	-0.0074	0.0025	0.0011
AT.	96 O	X	0.0012	0.0109	-0.0091	-0.0105	0.0052	0.0032
		Y	0.0026	0.0089	-0.0007	-0.0074	0.0016	-0.0019
		Z	0.0117	0.0103	0.0051	-0.0074	-0.0025	-0.0011
AT.	97 O	X	0.0012	0.0109	0.0091	0.0105	-0.0052	-0.0032
		Y	-0.0026	-0.0089	-0.0007	-0.0074	0.0016	-0.0019
		Z	0.0117	0.0103	-0.0051	0.0074	0.0025	0.0011
AT.	98 O	X	-0.0012	0.0109	-0.0091	-0.0105	-0.0052	-0.0032
		Y	0.0026	-0.0089	0.0007	0.0074	0.0016	-0.0019
		Z	0.0117	-0.0103	-0.0051	0.0074	-0.0025	-0.0011
AT.	99 O	X	0.0012	-0.0109	-0.0091	0.0105	-0.0052	0.0032
		Y	0.0026	-0.0089	-0.0007	0.0074	-0.0016	-0.0019

	Z	-0.0117	0.0103	-0.0051	-0.0074	-0.0025	0.0011
AT. 100 O	X	-0.0012	-0.0109	0.0091	-0.0105	-0.0052	0.0032
	Y	-0.0026	-0.0089	0.0007	-0.0074	-0.0016	-0.0019
	Z	-0.0117	-0.0103	-0.0051	-0.0074	0.0025	-0.0011
AT. 101 O	X	-0.0077	-0.0127	0.0056	0.0097	0.0001	-0.0008
	Y	-0.0069	-0.0064	-0.0043	0.0074	0.0057	-0.0063
	Z	-0.0085	-0.0036	0.0016	0.0068	0.0044	-0.0088
AT. 102 O	X	0.0077	-0.0127	-0.0056	-0.0097	0.0001	-0.0008
	Y	0.0069	-0.0064	0.0043	-0.0074	0.0057	-0.0063
	Z	-0.0085	0.0036	0.0016	0.0068	-0.0044	0.0088
AT. 103 O	X	-0.0077	0.0127	-0.0056	0.0097	0.0001	0.0008
	Y	0.0069	-0.0064	-0.0043	-0.0074	-0.0057	-0.0063
	Z	0.0085	-0.0036	0.0016	-0.0068	-0.0044	-0.0088
AT. 104 O	X	0.0077	0.0127	0.0056	-0.0097	0.0001	0.0008
	Y	-0.0069	-0.0064	0.0043	0.0074	-0.0057	-0.0063
	Z	0.0085	0.0036	0.0016	-0.0068	0.0044	0.0088
AT. 105 O	X	0.0077	0.0127	-0.0056	0.0097	-0.0001	-0.0008
	Y	0.0069	0.0064	0.0043	0.0074	-0.0057	-0.0063
	Z	0.0085	0.0036	-0.0016	0.0068	-0.0044	-0.0088
AT. 106 O	X	-0.0077	0.0127	0.0056	-0.0097	-0.0001	-0.0008
	Y	-0.0069	0.0064	-0.0043	-0.0074	-0.0057	-0.0063
	Z	0.0085	-0.0036	-0.0016	0.0068	0.0044	0.0088
AT. 107 O	X	0.0077	-0.0127	0.0056	0.0097	-0.0001	0.0008
	Y	-0.0069	0.0064	0.0043	-0.0074	0.0057	-0.0063
	Z	-0.0085	0.0036	-0.0016	-0.0068	0.0044	-0.0088
AT. 108 O	X	-0.0077	-0.0127	-0.0056	-0.0097	-0.0001	0.0008
	Y	0.0069	0.0064	-0.0043	0.0074	0.0057	-0.0063
	Z	-0.0085	-0.0036	-0.0016	-0.0068	-0.0044	0.0088
AT. 109 O	X	0.0014	-0.0028	-0.0019	0.0019	0.0016	-0.0007
	Y	0.0229	0.0170	0.0048	-0.0168	-0.0050	0.0083
	Z	0.0004	-0.0037	-0.0040	-0.0009	-0.0009	0.0043
AT. 110 O	X	-0.0014	-0.0028	0.0019	-0.0019	0.0016	-0.0007
	Y	-0.0229	0.0170	-0.0048	0.0168	-0.0050	0.0083
	Z	0.0004	0.0037	-0.0040	-0.0009	0.0009	-0.0043
AT. 111 O	X	0.0014	0.0028	0.0019	0.0019	0.0016	0.0007
	Y	-0.0229	0.0170	0.0048	0.0168	0.0050	0.0083
	Z	-0.0004	-0.0037	-0.0040	0.0009	0.0009	0.0043
AT. 112 O	X	-0.0014	0.0028	-0.0019	-0.0019	0.0016	0.0007
	Y	0.0229	0.0170	-0.0048	-0.0168	0.0050	0.0083
	Z	-0.0004	0.0037	-0.0040	0.0009	-0.0009	-0.0043
AT. 113 O	X	-0.0014	0.0028	0.0019	0.0019	-0.0016	-0.0007
	Y	-0.0229	-0.0170	-0.0048	-0.0168	0.0050	0.0083
	Z	-0.0004	0.0037	0.0040	-0.0009	0.0009	0.0043
AT. 114 O	X	0.0014	0.0028	-0.0019	-0.0019	-0.0016	-0.0007
	Y	0.0229	-0.0170	0.0048	0.0168	0.0050	0.0083
	Z	-0.0004	-0.0037	0.0040	-0.0009	-0.0009	-0.0043
AT. 115 O	X	-0.0014	-0.0028	-0.0019	0.0019	-0.0016	0.0007
	Y	0.0229	-0.0170	-0.0048	0.0168	-0.0050	0.0083
	Z	0.0004	0.0037	0.0040	0.0009	-0.0009	0.0043
AT. 116 O	X	0.0014	-0.0028	0.0019	-0.0019	-0.0016	0.0007
	Y	-0.0229	-0.0170	0.0048	-0.0168	-0.0050	0.0083
	Z	0.0004	-0.0037	0.0040	0.0009	0.0009	-0.0043
AT. 117 O	X	0.0069	0.0026	-0.0187	-0.0017	-0.0047	0.0009
	Y	-0.0083	-0.0123	0.0269	0.0056	0.0075	0.0053
	Z	-0.0059	-0.0061	-0.0159	0.0062	-0.0009	-0.0026
AT. 118 O	X	-0.0069	0.0026	0.0187	0.0017	-0.0047	0.0009
	Y	0.0083	-0.0123	-0.0269	-0.0056	0.0075	0.0053
	Z	-0.0059	0.0061	-0.0159	0.0062	0.0009	0.0026
AT. 119 O	X	0.0069	-0.0026	0.0187	-0.0017	-0.0047	-0.0009
	Y	0.0083	-0.0123	0.0269	-0.0056	-0.0075	0.0053
	Z	0.0059	-0.0061	-0.0159	-0.0062	0.0009	-0.0026

AT. 120 O	X	-0.0069	-0.0026	-0.0187	0.0017	-0.0047	-0.0009
	Y	-0.0083	-0.0123	-0.0269	0.0056	-0.0075	0.0053
	Z	0.0059	0.0061	-0.0159	-0.0062	-0.0009	0.0026
AT. 121 O	X	-0.0069	-0.0026	0.0187	-0.0017	0.0047	0.0009
	Y	0.0083	0.0123	-0.0269	0.0056	-0.0075	0.0053
	Z	0.0059	0.0061	0.0159	0.0062	0.0009	-0.0026
AT. 122 O	X	0.0069	-0.0026	-0.0187	0.0017	0.0047	0.0009
	Y	-0.0083	0.0123	0.0269	-0.0056	-0.0075	0.0053
	Z	0.0059	-0.0061	0.0159	0.0062	-0.0009	0.0026
AT. 123 O	X	-0.0069	0.0026	-0.0187	-0.0017	0.0047	-0.0009
	Y	-0.0083	0.0123	-0.0269	-0.0056	0.0075	0.0053
	Z	-0.0059	0.0061	0.0159	-0.0062	-0.0009	-0.0026
AT. 124 O	X	0.0069	0.0026	0.0187	0.0017	0.0047	-0.0009
	Y	0.0083	0.0123	0.0269	0.0056	0.0075	0.0053
	Z	-0.0059	-0.0061	0.0159	-0.0062	0.0009	0.0026

FREQ(CM**-1)	388.60	389.91	391.32	394.24	395.79	396.02
AT. 1 SI X	0.0009	-0.0021	0.0009	0.0007	0.0002	-0.0001
Y	0.0058	0.0002	-0.0001	0.0006	-0.0001	0.0037
Z	0.0024	0.0007	0.0050	0.0005	0.0031	-0.0013
AT. 2 SI X	0.0009	0.0021	-0.0009	0.0007	0.0002	0.0001
Y	0.0058	-0.0002	0.0001	0.0006	-0.0001	-0.0037
Z	-0.0024	0.0007	0.0050	-0.0005	-0.0031	-0.0013
AT. 3 SI X	0.0009	-0.0021	-0.0009	0.0007	0.0002	0.0001
Y	-0.0058	-0.0002	-0.0001	-0.0006	0.0001	0.0037
Z	-0.0024	-0.0007	0.0050	-0.0005	-0.0031	-0.0013
AT. 4 SI X	0.0009	0.0021	0.0009	0.0007	0.0002	-0.0001
Y	-0.0058	0.0002	0.0001	-0.0006	0.0001	-0.0037
Z	0.0024	-0.0007	0.0050	0.0005	0.0031	-0.0013
AT. 5 SI X	0.0009	0.0021	0.0009	-0.0007	0.0002	0.0001
Y	0.0058	-0.0002	-0.0001	-0.0006	-0.0001	-0.0037
Z	0.0024	-0.0007	0.0050	-0.0005	0.0031	0.0013
AT. 6 SI X	0.0009	-0.0021	-0.0009	-0.0007	0.0002	-0.0001
Y	0.0058	0.0002	0.0001	-0.0006	-0.0001	0.0037
Z	-0.0024	-0.0007	0.0050	0.0005	-0.0031	0.0013
AT. 7 SI X	0.0009	0.0021	-0.0009	-0.0007	0.0002	-0.0001
Y	-0.0058	0.0002	-0.0001	0.0006	0.0001	-0.0037
Z	-0.0024	0.0007	0.0050	0.0005	-0.0031	0.0013
AT. 8 SI X	0.0009	-0.0021	0.0009	-0.0007	0.0002	0.0001
Y	-0.0058	-0.0002	0.0001	0.0006	0.0001	0.0037
Z	0.0024	0.0007	0.0050	-0.0005	0.0031	0.0013
AT. 9 SI X	0.0005	0.0007	-0.0006	-0.0040	0.0032	-0.0025
Y	0.0051	0.0017	-0.0033	-0.0018	0.0002	0.0001
Z	-0.0023	0.0006	-0.0032	-0.0025	-0.0040	0.0035
AT. 10 SI X	0.0005	-0.0007	0.0006	-0.0040	0.0032	0.0025
Y	0.0051	-0.0017	0.0033	-0.0018	0.0002	-0.0001
Z	0.0023	0.0006	-0.0032	0.0025	0.0040	0.0035
AT. 11 SI X	0.0005	0.0007	0.0006	-0.0040	0.0032	0.0025
Y	-0.0051	-0.0017	-0.0033	0.0018	-0.0002	0.0001
Z	0.0023	-0.0006	-0.0032	0.0025	0.0040	0.0035
AT. 12 SI X	0.0005	-0.0007	-0.0006	-0.0040	0.0032	-0.0025
Y	-0.0051	0.0017	0.0033	0.0018	-0.0002	-0.0001
Z	-0.0023	-0.0006	-0.0032	-0.0025	-0.0040	0.0035
AT. 13 SI X	0.0005	-0.0007	-0.0006	0.0040	0.0032	0.0025
Y	0.0051	-0.0017	-0.0033	0.0018	0.0002	-0.0001
Z	-0.0023	-0.0006	-0.0032	0.0025	-0.0040	-0.0035
AT. 14 SI X	0.0005	0.0007	0.0006	0.0040	0.0032	-0.0025
Y	0.0051	0.0017	0.0033	0.0018	0.0002	0.0001
Z	0.0023	-0.0006	-0.0032	-0.0025	0.0040	-0.0035
AT. 15 SI X	0.0005	-0.0007	0.0006	0.0040	0.0032	-0.0025

	Y	-0.0051	0.0017	-0.0033	-0.0018	-0.0002	-0.0001
	Z	0.0023	0.0006	-0.0032	-0.0025	0.0040	-0.0035
AT. 16 SI	X	0.0005	0.0007	-0.0006	0.0040	0.0032	0.0025
	Y	-0.0051	-0.0017	0.0033	-0.0018	-0.0002	0.0001
	Z	-0.0023	0.0006	-0.0032	0.0025	-0.0040	-0.0035
AT. 17 SI	X	0.0059	0.0000	-0.0027	-0.0012	-0.0025	0.0022
	Y	0.0000	-0.0029	0.0000	0.0000	0.0000	0.0000
	Z	0.0045	0.0000	-0.0020	-0.0098	0.0054	-0.0030
AT. 18 SI	X	0.0059	0.0000	0.0027	-0.0012	-0.0025	-0.0022
	Y	0.0000	0.0029	0.0000	0.0000	0.0000	0.0000
	Z	-0.0045	0.0000	-0.0020	0.0098	-0.0054	-0.0030
AT. 19 SI	X	0.0059	0.0000	-0.0027	0.0012	-0.0025	-0.0022
	Y	0.0000	0.0029	0.0000	0.0000	0.0000	0.0000
	Z	0.0045	0.0000	-0.0020	0.0098	0.0054	0.0030
AT. 20 SI	X	0.0059	0.0000	0.0027	0.0012	-0.0025	0.0022
	Y	0.0000	-0.0029	0.0000	0.0000	0.0000	0.0000
	Z	-0.0045	0.0000	-0.0020	-0.0098	-0.0054	0.0030
AT. 21 CA	X	0.0002	0.0039	0.0014	-0.0012	0.0013	-0.0027
	Y	-0.0043	-0.0010	0.0006	0.0004	-0.0022	0.0021
	Z	0.0001	-0.0008	-0.0007	-0.0002	0.0010	-0.0004
AT. 22 CA	X	0.0002	-0.0039	-0.0014	-0.0012	0.0013	0.0027
	Y	-0.0043	0.0010	-0.0006	0.0004	-0.0022	-0.0021
	Z	-0.0001	-0.0008	-0.0007	0.0002	-0.0010	-0.0004
AT. 23 CA	X	0.0002	0.0039	-0.0014	-0.0012	0.0013	0.0027
	Y	0.0043	0.0010	0.0006	-0.0004	0.0022	0.0021
	Z	-0.0001	0.0008	-0.0007	0.0002	-0.0010	-0.0004
AT. 24 CA	X	0.0002	-0.0039	0.0014	-0.0012	0.0013	-0.0027
	Y	0.0043	-0.0010	-0.0006	-0.0004	0.0022	-0.0021
	Z	0.0001	0.0008	-0.0007	-0.0002	0.0010	-0.0004
AT. 25 CA	X	0.0002	-0.0039	0.0014	0.0012	0.0013	0.0027
	Y	-0.0043	0.0010	0.0006	-0.0004	-0.0022	-0.0021
	Z	0.0001	0.0008	-0.0007	0.0002	0.0010	0.0004
AT. 26 CA	X	0.0002	0.0039	-0.0014	0.0012	0.0013	-0.0027
	Y	-0.0043	-0.0010	-0.0006	-0.0004	-0.0022	0.0021
	Z	-0.0001	0.0008	-0.0007	-0.0002	-0.0010	0.0004
AT. 27 CA	X	0.0002	-0.0039	-0.0014	0.0012	0.0013	-0.0027
	Y	0.0043	-0.0010	0.0006	0.0004	0.0022	-0.0021
	Z	-0.0001	-0.0008	-0.0007	-0.0002	-0.0010	0.0004
AT. 28 CA	X	0.0002	0.0039	0.0014	0.0012	0.0013	0.0027
	Y	0.0043	0.0010	-0.0006	0.0004	0.0022	0.0021
	Z	0.0001	-0.0008	-0.0007	0.0002	0.0010	0.0004
AT. 29 CA	X	-0.0074	0.0000	-0.0034	0.0000	-0.0011	0.0000
	Y	-0.0058	0.0000	-0.0025	0.0000	-0.0033	0.0000
	Z	-0.0112	0.0000	-0.0042	0.0000	-0.0024	0.0000
AT. 30 CA	X	-0.0074	0.0000	0.0034	0.0000	-0.0011	0.0000
	Y	-0.0058	0.0000	0.0025	0.0000	-0.0033	0.0000
	Z	0.0112	0.0000	-0.0042	0.0000	0.0024	0.0000
AT. 31 CA	X	-0.0074	0.0000	0.0034	0.0000	-0.0011	0.0000
	Y	0.0058	0.0000	-0.0025	0.0000	0.0033	0.0000
	Z	0.0112	0.0000	-0.0042	0.0000	0.0024	0.0000
AT. 32 CA	X	-0.0074	0.0000	-0.0034	0.0000	-0.0011	0.0000
	Y	0.0058	0.0000	0.0025	0.0000	0.0033	0.0000
	Z	-0.0112	0.0000	-0.0042	0.0000	-0.0024	0.0000
AT. 33 CA	X	-0.0045	0.0016	0.0011	0.0040	-0.0037	0.0014
	Y	-0.0050	-0.0001	0.0009	0.0005	-0.0009	-0.0004
	Z	0.0087	-0.0001	-0.0006	-0.0022	0.0032	-0.0007
AT. 34 CA	X	-0.0045	-0.0016	-0.0011	0.0040	-0.0037	-0.0014
	Y	-0.0050	0.0001	-0.0009	0.0005	-0.0009	0.0004
	Z	-0.0087	-0.0001	-0.0006	0.0022	-0.0032	-0.0007
AT. 35 CA	X	-0.0045	0.0016	-0.0011	0.0040	-0.0037	-0.0014
	Y	0.0050	0.0001	0.0009	-0.0005	0.0009	-0.0004

		Z	-0.0087	0.0001	-0.0006	0.0022	-0.0032	-0.0007
AT.	36	CA X	-0.0045	-0.0016	0.0011	0.0040	-0.0037	0.0014
		Y	0.0050	-0.0001	-0.0009	-0.0005	0.0009	0.0004
		Z	0.0087	0.0001	-0.0006	-0.0022	0.0032	-0.0007
AT.	37	CA X	-0.0045	-0.0016	0.0011	-0.0040	-0.0037	-0.0014
		Y	-0.0050	0.0001	0.0009	-0.0005	-0.0009	0.0004
		Z	0.0087	0.0001	-0.0006	0.0022	0.0032	0.0007
AT.	38	CA X	-0.0045	0.0016	-0.0011	-0.0040	-0.0037	0.0014
		Y	-0.0050	-0.0001	-0.0009	-0.0005	-0.0009	-0.0004
		Z	-0.0087	0.0001	-0.0006	-0.0022	-0.0032	0.0007
AT.	39	CA X	-0.0045	-0.0016	-0.0011	-0.0040	-0.0037	0.0014
		Y	0.0050	-0.0001	0.0009	0.0005	0.0009	0.0004
		Z	-0.0087	-0.0001	-0.0006	-0.0022	-0.0032	0.0007
AT.	40	CA X	-0.0045	0.0016	0.0011	-0.0040	-0.0037	-0.0014
		Y	0.0050	0.0001	-0.0009	0.0005	0.0009	-0.0004
		Z	0.0087	-0.0001	-0.0006	0.0022	0.0032	0.0007
AT.	41	CA X	-0.0075	0.0009	-0.0079	-0.0056	-0.0001	-0.0014
		Y	-0.0067	0.0000	-0.0041	-0.0036	0.0022	-0.0038
		Z	0.0067	-0.0002	0.0049	0.0080	-0.0018	0.0025
AT.	42	CA X	-0.0075	-0.0009	0.0079	-0.0056	-0.0001	0.0014
		Y	-0.0067	0.0000	0.0041	-0.0036	0.0022	0.0038
		Z	-0.0067	-0.0002	0.0049	-0.0080	0.0018	0.0025
AT.	43	CA X	-0.0075	0.0009	0.0079	-0.0056	-0.0001	0.0014
		Y	0.0067	0.0000	-0.0041	0.0036	-0.0022	-0.0038
		Z	-0.0067	0.0002	0.0049	-0.0080	0.0018	0.0025
AT.	44	CA X	-0.0075	-0.0009	-0.0079	-0.0056	-0.0001	-0.0014
		Y	0.0067	0.0000	0.0041	0.0036	-0.0022	0.0038
		Z	0.0067	0.0002	0.0049	0.0080	-0.0018	0.0025
AT.	45	CA X	-0.0075	-0.0009	-0.0079	0.0056	-0.0001	0.0014
		Y	-0.0067	0.0000	-0.0041	0.0036	0.0022	0.0038
		Z	0.0067	0.0002	0.0049	-0.0080	-0.0018	-0.0025
AT.	46	CA X	-0.0075	0.0009	0.0079	0.0056	-0.0001	-0.0014
		Y	-0.0067	0.0000	0.0041	0.0036	0.0022	-0.0038
		Z	-0.0067	0.0002	0.0049	0.0080	0.0018	-0.0025
AT.	47	CA X	-0.0075	-0.0009	0.0079	0.0056	-0.0001	-0.0014
		Y	0.0067	0.0000	-0.0041	-0.0036	-0.0022	0.0038
		Z	-0.0067	-0.0002	0.0049	0.0080	0.0018	-0.0025
AT.	48	CA X	-0.0075	0.0009	-0.0079	0.0056	-0.0001	0.0014
		Y	0.0067	0.0000	0.0041	-0.0036	-0.0022	-0.0038
		Z	0.0067	-0.0002	0.0049	-0.0080	-0.0018	-0.0025
AT.	49	CA X	-0.0026	0.0000	-0.0021	-0.0015	0.0007	-0.0011
		Y	0.0000	0.0015	0.0000	0.0000	0.0000	0.0000
		Z	-0.0014	0.0000	0.0040	0.0047	-0.0005	-0.0004
AT.	50	CA X	-0.0026	0.0000	0.0021	-0.0015	0.0007	0.0011
		Y	0.0000	-0.0015	0.0000	0.0000	0.0000	0.0000
		Z	0.0014	0.0000	0.0040	-0.0047	0.0005	-0.0004
AT.	51	CA X	-0.0026	0.0000	-0.0021	0.0015	0.0007	0.0011
		Y	0.0000	-0.0015	0.0000	0.0000	0.0000	0.0000
		Z	-0.0014	0.0000	0.0040	-0.0047	-0.0005	0.0004
AT.	52	CA X	-0.0026	0.0000	0.0021	0.0015	0.0007	-0.0011
		Y	0.0000	0.0015	0.0000	0.0000	0.0000	0.0000
		Z	0.0014	0.0000	0.0040	0.0047	0.0005	0.0004
AT.	53	O X	0.0041	-0.0218	-0.0054	0.0070	-0.0107	0.0191
		Y	0.0024	0.0066	0.0017	-0.0019	0.0029	-0.0036
		Z	0.0029	0.0078	0.0046	0.0029	0.0011	-0.0031
AT.	54	O X	0.0041	0.0218	0.0054	0.0070	-0.0107	-0.0191
		Y	0.0024	-0.0066	-0.0017	-0.0019	0.0029	0.0036
		Z	-0.0029	0.0078	0.0046	-0.0029	-0.0011	-0.0031
AT.	55	O X	0.0041	-0.0218	0.0054	0.0070	-0.0107	-0.0191
		Y	-0.0024	-0.0066	0.0017	0.0019	-0.0029	-0.0036
		Z	-0.0029	-0.0078	0.0046	-0.0029	-0.0011	-0.0031

AT.	56	O	X	0.0041	0.0218	-0.0054	0.0070	-0.0107	0.0191
			Y	-0.0024	0.0066	-0.0017	0.0019	-0.0029	0.0036
			Z	0.0029	-0.0078	0.0046	0.0029	0.0011	-0.0031
AT.	57	O	X	0.0041	0.0218	-0.0054	-0.0070	-0.0107	-0.0191
			Y	0.0024	-0.0066	0.0017	0.0019	0.0029	0.0036
			Z	0.0029	-0.0078	0.0046	-0.0029	0.0011	0.0031
AT.	58	O	X	0.0041	-0.0218	0.0054	-0.0070	-0.0107	0.0191
			Y	0.0024	0.0066	-0.0017	0.0019	0.0029	-0.0036
			Z	-0.0029	-0.0078	0.0046	0.0029	-0.0011	0.0031
AT.	59	O	X	0.0041	0.0218	0.0054	-0.0070	-0.0107	0.0191
			Y	-0.0024	0.0066	0.0017	-0.0019	-0.0029	0.0036
			Z	-0.0029	0.0078	0.0046	0.0029	-0.0011	0.0031
AT.	60	O	X	0.0041	-0.0218	-0.0054	-0.0070	-0.0107	-0.0191
			Y	-0.0024	-0.0066	-0.0017	-0.0019	-0.0029	-0.0036
			Z	0.0029	0.0078	0.0046	-0.0029	0.0011	0.0031
AT.	61	O	X	-0.0005	-0.0064	0.0011	-0.0091	0.0035	-0.0013
			Y	0.0043	-0.0137	-0.0003	-0.0013	0.0008	0.0071
			Z	0.0025	0.0077	0.0044	-0.0025	0.0041	-0.0048
AT.	62	O	X	-0.0005	0.0064	-0.0011	-0.0091	0.0035	0.0013
			Y	0.0043	0.0137	0.0003	-0.0013	0.0008	-0.0071
			Z	-0.0025	0.0077	0.0044	0.0025	-0.0041	-0.0048
AT.	63	O	X	-0.0005	-0.0064	-0.0011	-0.0091	0.0035	0.0013
			Y	-0.0043	0.0137	-0.0003	0.0013	-0.0008	0.0071
			Z	-0.0025	-0.0077	0.0044	0.0025	-0.0041	-0.0048
AT.	64	O	X	-0.0005	0.0064	0.0011	-0.0091	0.0035	-0.0013
			Y	-0.0043	-0.0137	0.0003	0.0013	-0.0008	-0.0071
			Z	0.0025	-0.0077	0.0044	-0.0025	0.0041	-0.0048
AT.	65	O	X	-0.0005	0.0064	0.0011	0.0091	0.0035	0.0013
			Y	0.0043	0.0137	-0.0003	0.0013	0.0008	-0.0071
			Z	0.0025	-0.0077	0.0044	0.0025	0.0041	0.0048
AT.	66	O	X	-0.0005	-0.0064	-0.0011	0.0091	0.0035	-0.0013
			Y	0.0043	-0.0137	0.0003	0.0013	0.0008	0.0071
			Z	-0.0025	-0.0077	0.0044	-0.0025	-0.0041	0.0048
AT.	67	O	X	-0.0005	0.0064	-0.0011	0.0091	0.0035	-0.0013
			Y	-0.0043	-0.0137	-0.0003	-0.0013	-0.0008	-0.0071
			Z	-0.0025	0.0077	0.0044	-0.0025	-0.0041	0.0048
AT.	68	O	X	-0.0005	-0.0064	0.0011	0.0091	0.0035	0.0013
			Y	-0.0043	0.0137	0.0003	-0.0013	-0.0008	0.0071
			Z	0.0025	0.0077	0.0044	0.0025	0.0041	0.0048
AT.	69	O	X	0.0055	0.0276	0.0064	0.0008	0.0091	-0.0174
			Y	0.0037	0.0053	-0.0027	0.0019	-0.0028	-0.0001
			Z	-0.0005	-0.0068	0.0006	0.0012	-0.0018	0.0042
AT.	70	O	X	0.0055	-0.0276	-0.0064	0.0008	0.0091	0.0174
			Y	0.0037	-0.0053	0.0027	0.0019	-0.0028	0.0001
			Z	0.0005	-0.0068	0.0006	-0.0012	0.0018	0.0042
AT.	71	O	X	0.0055	0.0276	-0.0064	0.0008	0.0091	0.0174
			Y	-0.0037	-0.0053	-0.0027	-0.0019	0.0028	-0.0001
			Z	0.0005	0.0068	0.0006	-0.0012	0.0018	0.0042
AT.	72	O	X	0.0055	-0.0276	0.0064	0.0008	0.0091	-0.0174
			Y	-0.0037	0.0053	0.0027	-0.0019	0.0028	0.0001
			Z	-0.0005	0.0068	0.0006	0.0012	-0.0018	0.0042
AT.	73	O	X	0.0055	-0.0276	0.0064	-0.0008	0.0091	0.0174
			Y	0.0037	-0.0053	-0.0027	-0.0019	-0.0028	0.0001
			Z	-0.0005	0.0068	0.0006	-0.0012	-0.0018	-0.0042
AT.	74	O	X	0.0055	0.0276	-0.0064	-0.0008	0.0091	-0.0174
			Y	0.0037	0.0053	0.0027	-0.0019	-0.0028	-0.0001
			Z	0.0005	0.0068	0.0006	0.0012	0.0018	-0.0042
AT.	75	O	X	0.0055	-0.0276	-0.0064	-0.0008	0.0091	-0.0174
			Y	-0.0037	0.0053	-0.0027	0.0019	0.0028	0.0001
			Z	0.0005	-0.0068	0.0006	0.0012	0.0018	-0.0042
AT.	76	O	X	0.0055	0.0276	0.0064	-0.0008	0.0091	0.0174

	Y	-0.0037	-0.0053	0.0027	0.0019	0.0028	-0.0001
	Z	-0.0005	-0.0068	0.0006	-0.0012	-0.0018	-0.0042
AT. 77 O	X	0.0022	-0.0017	0.0015	0.0006	0.0006	-0.0002
	Y	-0.0008	0.0139	0.0038	-0.0046	0.0076	-0.0125
	Z	-0.0043	-0.0193	-0.0047	-0.0043	-0.0040	0.0079
AT. 78 O	X	0.0022	0.0017	-0.0015	0.0006	0.0006	0.0002
	Y	-0.0008	-0.0139	-0.0038	-0.0046	0.0076	0.0125
	Z	0.0043	-0.0193	-0.0047	0.0043	0.0040	0.0079
AT. 79 O	X	0.0022	-0.0017	-0.0015	0.0006	0.0006	0.0002
	Y	0.0008	-0.0139	0.0038	0.0046	-0.0076	-0.0125
	Z	0.0043	0.0193	-0.0047	0.0043	0.0040	0.0079
AT. 80 O	X	0.0022	0.0017	0.0015	0.0006	0.0006	-0.0002
	Y	0.0008	0.0139	-0.0038	0.0046	-0.0076	0.0125
	Z	-0.0043	0.0193	-0.0047	-0.0043	-0.0040	0.0079
AT. 81 O	X	0.0022	0.0017	0.0015	-0.0006	0.0006	0.0002
	Y	-0.0008	-0.0139	0.0038	0.0046	0.0076	0.0125
	Z	-0.0043	0.0193	-0.0047	0.0043	-0.0040	-0.0079
AT. 82 O	X	0.0022	-0.0017	-0.0015	-0.0006	0.0006	-0.0002
	Y	-0.0008	0.0139	-0.0038	0.0046	0.0076	-0.0125
	Z	0.0043	0.0193	-0.0047	-0.0043	0.0040	-0.0079
AT. 83 O	X	0.0022	0.0017	-0.0015	-0.0006	0.0006	-0.0002
	Y	0.0008	0.0139	0.0038	-0.0046	-0.0076	0.0125
	Z	0.0043	-0.0193	-0.0047	-0.0043	0.0040	-0.0079
AT. 84 O	X	0.0022	-0.0017	0.0015	-0.0006	0.0006	0.0002
	Y	0.0008	-0.0139	-0.0038	-0.0046	-0.0076	-0.0125
	Z	-0.0043	-0.0193	-0.0047	0.0043	-0.0040	-0.0079
AT. 85 O	X	0.0051	-0.0021	-0.0052	0.0069	-0.0132	0.0118
	Y	0.0015	-0.0013	0.0098	-0.0017	0.0129	-0.0081
	Z	0.0008	0.0003	-0.0114	0.0047	-0.0196	0.0150
AT. 86 O	X	0.0051	0.0021	0.0052	0.0069	-0.0132	-0.0118
	Y	0.0015	0.0013	-0.0098	-0.0017	0.0129	0.0081
	Z	-0.0008	0.0003	-0.0114	-0.0047	0.0196	0.0150
AT. 87 O	X	0.0051	-0.0021	0.0052	0.0069	-0.0132	-0.0118
	Y	-0.0015	0.0013	0.0098	0.0017	-0.0129	-0.0081
	Z	-0.0008	-0.0003	-0.0114	-0.0047	0.0196	0.0150
AT. 88 O	X	0.0051	0.0021	-0.0052	0.0069	-0.0132	0.0118
	Y	-0.0015	-0.0013	-0.0098	0.0017	-0.0129	0.0081
	Z	0.0008	-0.0003	-0.0114	0.0047	-0.0196	0.0150
AT. 89 O	X	0.0051	0.0021	-0.0052	-0.0069	-0.0132	-0.0118
	Y	0.0015	0.0013	0.0098	0.0017	0.0129	0.0081
	Z	0.0008	-0.0003	-0.0114	-0.0047	-0.0196	-0.0150
AT. 90 O	X	0.0051	-0.0021	0.0052	-0.0069	-0.0132	0.0118
	Y	0.0015	-0.0013	-0.0098	0.0017	0.0129	-0.0081
	Z	-0.0008	-0.0003	-0.0114	0.0047	0.0196	-0.0150
AT. 91 O	X	0.0051	0.0021	0.0052	-0.0069	-0.0132	0.0118
	Y	-0.0015	-0.0013	0.0098	-0.0017	-0.0129	0.0081
	Z	-0.0008	0.0003	-0.0114	0.0047	0.0196	-0.0150
AT. 92 O	X	0.0051	-0.0021	-0.0052	-0.0069	-0.0132	-0.0118
	Y	-0.0015	0.0013	-0.0098	-0.0017	-0.0129	-0.0081
	Z	0.0008	0.0003	-0.0114	-0.0047	-0.0196	-0.0150
AT. 93 O	X	0.0051	0.0026	-0.0021	-0.0178	0.0188	-0.0141
	Y	0.0023	0.0012	-0.0022	0.0025	-0.0055	0.0044
	Z	-0.0055	-0.0024	-0.0023	0.0059	-0.0083	0.0046
AT. 94 O	X	0.0051	-0.0026	0.0021	-0.0178	0.0188	0.0141
	Y	0.0023	-0.0012	0.0022	0.0025	-0.0055	-0.0044
	Z	0.0055	-0.0024	-0.0023	-0.0059	0.0083	0.0046
AT. 95 O	X	0.0051	0.0026	0.0021	-0.0178	0.0188	0.0141
	Y	-0.0023	-0.0012	-0.0022	-0.0025	0.0055	0.0044
	Z	0.0055	0.0024	-0.0023	-0.0059	0.0083	0.0046
AT. 96 O	X	0.0051	-0.0026	-0.0021	-0.0178	0.0188	-0.0141
	Y	-0.0023	0.0012	0.0022	-0.0025	0.0055	-0.0044

	Z	-0.0055	0.0024	-0.0023	0.0059	-0.0083	0.0046
AT. 97 O	X	0.0051	-0.0026	-0.0021	0.0178	0.0188	0.0141
	Y	0.0023	-0.0012	-0.0022	-0.0025	-0.0055	-0.0044
	Z	-0.0055	0.0024	-0.0023	-0.0059	-0.0083	-0.0046
AT. 98 O	X	0.0051	0.0026	0.0021	0.0178	0.0188	-0.0141
	Y	0.0023	0.0012	0.0022	-0.0025	-0.0055	0.0044
	Z	0.0055	0.0024	-0.0023	0.0059	0.0083	-0.0046
AT. 99 O	X	0.0051	-0.0026	0.0021	0.0178	0.0188	-0.0141
	Y	-0.0023	0.0012	-0.0022	0.0025	0.0055	-0.0044
	Z	0.0055	-0.0024	-0.0023	0.0059	0.0083	-0.0046
AT. 100 O	X	0.0051	0.0026	-0.0021	0.0178	0.0188	0.0141
	Y	-0.0023	-0.0012	0.0022	0.0025	0.0055	0.0044
	Z	-0.0055	-0.0024	-0.0023	-0.0059	-0.0083	-0.0046
AT. 101 O	X	-0.0039	-0.0012	0.0023	0.0052	-0.0034	0.0018
	Y	0.0038	0.0015	0.0072	-0.0022	0.0121	-0.0092
	Z	-0.0038	0.0023	0.0090	-0.0005	0.0107	-0.0092
AT. 102 O	X	-0.0039	0.0012	-0.0023	0.0052	-0.0034	-0.0018
	Y	0.0038	-0.0015	-0.0072	-0.0022	0.0121	0.0092
	Z	0.0038	0.0023	0.0090	0.0005	-0.0107	-0.0092
AT. 103 O	X	-0.0039	-0.0012	-0.0023	0.0052	-0.0034	-0.0018
	Y	-0.0038	-0.0015	0.0072	0.0022	-0.0121	-0.0092
	Z	0.0038	-0.0023	0.0090	0.0005	-0.0107	-0.0092
AT. 104 O	X	-0.0039	0.0012	0.0023	0.0052	-0.0034	0.0018
	Y	-0.0038	0.0015	-0.0072	0.0022	-0.0121	0.0092
	Z	-0.0038	-0.0023	0.0090	-0.0005	0.0107	-0.0092
AT. 105 O	X	-0.0039	0.0012	0.0023	-0.0052	-0.0034	-0.0018
	Y	0.0038	-0.0015	0.0072	0.0022	0.0121	0.0092
	Z	-0.0038	-0.0023	0.0090	0.0005	0.0107	0.0092
AT. 106 O	X	-0.0039	-0.0012	-0.0023	-0.0052	-0.0034	0.0018
	Y	0.0038	0.0015	-0.0072	0.0022	0.0121	-0.0092
	Z	0.0038	-0.0023	0.0090	-0.0005	-0.0107	0.0092
AT. 107 O	X	-0.0039	0.0012	-0.0023	-0.0052	-0.0034	0.0018
	Y	-0.0038	0.0015	0.0072	-0.0022	-0.0121	0.0092
	Z	0.0038	0.0023	0.0090	-0.0005	-0.0107	0.0092
AT. 108 O	X	-0.0039	-0.0012	0.0023	-0.0052	-0.0034	-0.0018
	Y	-0.0038	-0.0015	-0.0072	-0.0022	-0.0121	-0.0092
	Z	-0.0038	0.0023	0.0090	0.0005	0.0107	0.0092
AT. 109 O	X	0.0016	0.0009	-0.0002	-0.0043	0.0047	-0.0036
	Y	-0.0007	0.0005	-0.0088	0.0042	-0.0141	0.0105
	Z	0.0037	-0.0028	0.0000	-0.0022	0.0033	-0.0003
AT. 110 O	X	0.0016	-0.0009	0.0002	-0.0043	0.0047	0.0036
	Y	-0.0007	-0.0005	0.0088	0.0042	-0.0141	-0.0105
	Z	-0.0037	-0.0028	0.0000	0.0022	-0.0033	-0.0003
AT. 111 O	X	0.0016	0.0009	0.0002	-0.0043	0.0047	0.0036
	Y	0.0007	-0.0005	-0.0088	-0.0042	0.0141	0.0105
	Z	-0.0037	0.0028	0.0000	0.0022	-0.0033	-0.0003
AT. 112 O	X	0.0016	-0.0009	-0.0002	-0.0043	0.0047	-0.0036
	Y	0.0007	0.0005	0.0088	-0.0042	0.0141	-0.0105
	Z	0.0037	0.0028	0.0000	-0.0022	0.0033	-0.0003
AT. 113 O	X	0.0016	-0.0009	-0.0002	0.0043	0.0047	0.0036
	Y	-0.0007	-0.0005	-0.0088	-0.0042	-0.0141	-0.0105
	Z	0.0037	0.0028	0.0000	0.0022	0.0033	0.0003
AT. 114 O	X	0.0016	0.0009	0.0002	0.0043	0.0047	-0.0036
	Y	-0.0007	0.0005	0.0088	-0.0042	-0.0141	0.0105
	Z	-0.0037	0.0028	0.0000	-0.0022	-0.0033	0.0003
AT. 115 O	X	0.0016	-0.0009	0.0002	0.0043	0.0047	-0.0036
	Y	0.0007	0.0005	-0.0088	0.0042	0.0141	-0.0105
	Z	-0.0037	-0.0028	0.0000	-0.0022	-0.0033	0.0003
AT. 116 O	X	0.0016	0.0009	-0.0002	0.0043	0.0047	0.0036
	Y	0.0007	-0.0005	0.0088	0.0042	0.0141	0.0105
	Z	0.0037	-0.0028	0.0000	0.0022	0.0033	0.0003

AT. 117 O	X	0.0150	0.0016	-0.0190	-0.0196	-0.0061	0.0083
	Y	-0.0228	-0.0042	0.0292	0.0258	0.0109	-0.0130
	Z	0.0153	-0.0008	-0.0107	-0.0122	0.0001	0.0018
AT. 118 O	X	0.0150	-0.0016	0.0190	-0.0196	-0.0061	-0.0083
	Y	-0.0228	0.0042	-0.0292	0.0258	0.0109	0.0130
	Z	-0.0153	-0.0008	-0.0107	0.0122	-0.0001	0.0018
AT. 119 O	X	0.0150	0.0016	0.0190	-0.0196	-0.0061	-0.0083
	Y	0.0228	0.0042	0.0292	-0.0258	-0.0109	-0.0130
	Z	-0.0153	0.0008	-0.0107	0.0122	-0.0001	0.0018
AT. 120 O	X	0.0150	-0.0016	-0.0190	-0.0196	-0.0061	0.0083
	Y	0.0228	-0.0042	-0.0292	-0.0258	-0.0109	0.0130
	Z	0.0153	0.0008	-0.0107	-0.0122	0.0001	0.0018
AT. 121 O	X	0.0150	-0.0016	-0.0190	0.0196	-0.0061	-0.0083
	Y	-0.0228	0.0042	0.0292	-0.0258	0.0109	0.0130
	Z	0.0153	0.0008	-0.0107	0.0122	0.0001	-0.0018
AT. 122 O	X	0.0150	0.0016	0.0190	0.0196	-0.0061	0.0083
	Y	-0.0228	-0.0042	-0.0292	-0.0258	0.0109	-0.0130
	Z	-0.0153	0.0008	-0.0107	-0.0122	-0.0001	-0.0018
AT. 123 O	X	0.0150	-0.0016	0.0190	0.0196	-0.0061	0.0083
	Y	0.0228	-0.0042	0.0292	0.0258	-0.0109	0.0130
	Z	-0.0153	-0.0008	-0.0107	-0.0122	-0.0001	-0.0018
AT. 124 O	X	0.0150	0.0016	-0.0190	0.0196	-0.0061	-0.0083
	Y	0.0228	0.0042	-0.0292	0.0258	-0.0109	-0.0130
	Z	0.0153	-0.0008	-0.0107	0.0122	0.0001	-0.0018

FREQ(CM**-1)	397.96	399.22	402.20	404.41	407.98	409.79

AT. 1 SI	X	0.0004	0.0002	-0.0004	0.0008	-0.0005	0.0002
	Y	0.0006	0.0020	0.0002	-0.0002	-0.0007	-0.0004
	Z	0.0028	-0.0018	0.0031	-0.0011	-0.0012	0.0040
AT. 2 SI	X	-0.0004	0.0002	-0.0004	-0.0008	0.0005	0.0002
	Y	-0.0006	0.0020	0.0002	0.0002	0.0007	-0.0004
	Z	0.0028	0.0018	-0.0031	-0.0011	-0.0012	-0.0040
AT. 3 SI	X	-0.0004	-0.0002	-0.0004	-0.0008	-0.0005	-0.0002
	Y	0.0006	0.0020	-0.0002	-0.0002	0.0007	-0.0004
	Z	0.0028	-0.0018	-0.0031	-0.0011	0.0012	0.0040
AT. 4 SI	X	0.0004	-0.0002	-0.0004	0.0008	0.0005	-0.0002
	Y	-0.0006	0.0020	-0.0002	0.0002	-0.0007	-0.0004
	Z	0.0028	0.0018	0.0031	-0.0011	0.0012	-0.0040
AT. 5 SI	X	0.0004	-0.0002	0.0004	-0.0008	0.0005	0.0002
	Y	0.0006	-0.0020	-0.0002	0.0002	0.0007	-0.0004
	Z	0.0028	0.0018	-0.0031	0.0011	0.0012	0.0040
AT. 6 SI	X	-0.0004	-0.0002	0.0004	0.0008	-0.0005	0.0002
	Y	-0.0006	-0.0020	-0.0002	-0.0002	-0.0007	-0.0004
	Z	0.0028	-0.0018	0.0031	0.0011	0.0012	-0.0040
AT. 7 SI	X	-0.0004	0.0002	0.0004	0.0008	0.0005	-0.0002
	Y	0.0006	-0.0020	0.0002	0.0002	-0.0007	-0.0004
	Z	0.0028	0.0018	0.0031	0.0011	-0.0012	0.0040
AT. 8 SI	X	0.0004	0.0002	0.0004	-0.0008	-0.0005	-0.0002
	Y	-0.0006	-0.0020	0.0002	-0.0002	0.0007	-0.0004
	Z	0.0028	-0.0018	-0.0031	0.0011	-0.0012	-0.0040
AT. 9 SI	X	-0.0042	-0.0007	-0.0012	0.0014	0.0032	-0.0025
	Y	0.0004	-0.0012	0.0016	0.0011	0.0043	-0.0034
	Z	0.0014	0.0000	0.0070	-0.0032	-0.0002	0.0010
AT. 10 SI	X	0.0042	-0.0007	-0.0012	-0.0014	-0.0032	-0.0025
	Y	-0.0004	-0.0012	0.0016	-0.0011	-0.0043	-0.0034
	Z	0.0014	0.0000	-0.0070	-0.0032	-0.0002	-0.0010
AT. 11 SI	X	0.0042	0.0007	-0.0012	-0.0014	0.0032	0.0025
	Y	0.0004	-0.0012	-0.0016	0.0011	-0.0043	-0.0034
	Z	0.0014	0.0000	-0.0070	-0.0032	0.0002	0.0010
AT. 12 SI	X	-0.0042	0.0007	-0.0012	0.0014	-0.0032	0.0025

	Y	-0.0004	-0.0012	-0.0016	-0.0011	0.0043	-0.0034
	Z	0.0014	0.0000	0.0070	-0.0032	0.0002	-0.0010
AT. 13 SI	X	-0.0042	0.0007	0.0012	-0.0014	-0.0032	-0.0025
	Y	0.0004	0.0012	-0.0016	-0.0011	-0.0043	-0.0034
	Z	0.0014	0.0000	-0.0070	0.0032	0.0002	0.0010
AT. 14 SI	X	0.0042	0.0007	0.0012	0.0014	0.0032	-0.0025
	Y	-0.0004	0.0012	-0.0016	0.0011	0.0043	-0.0034
	Z	0.0014	0.0000	0.0070	0.0032	0.0002	-0.0010
AT. 15 SI	X	0.0042	-0.0007	0.0012	0.0014	-0.0032	0.0025
	Y	0.0004	0.0012	0.0016	-0.0011	0.0043	-0.0034
	Z	0.0014	0.0000	0.0070	0.0032	-0.0002	0.0010
AT. 16 SI	X	-0.0042	-0.0007	0.0012	-0.0014	0.0032	0.0025
	Y	-0.0004	0.0012	0.0016	0.0011	-0.0043	-0.0034
	Z	0.0014	0.0000	-0.0070	0.0032	-0.0002	-0.0010
AT. 17 SI	X	0.0001	0.0000	-0.0007	-0.0002	0.0000	0.0000
	Y	0.0000	0.0021	0.0000	0.0000	-0.0040	0.0031
	Z	-0.0104	0.0000	-0.0014	0.0031	0.0000	0.0000
AT. 18 SI	X	-0.0001	0.0000	-0.0007	0.0002	0.0000	0.0000
	Y	0.0000	0.0021	0.0000	0.0000	0.0040	0.0031
	Z	-0.0104	0.0000	0.0014	0.0031	0.0000	0.0000
AT. 19 SI	X	0.0001	0.0000	0.0007	0.0002	0.0000	0.0000
	Y	0.0000	-0.0021	0.0000	0.0000	0.0040	0.0031
	Z	-0.0104	0.0000	0.0014	-0.0031	0.0000	0.0000
AT. 20 SI	X	-0.0001	0.0000	0.0007	-0.0002	0.0000	0.0000
	Y	0.0000	-0.0021	0.0000	0.0000	-0.0040	0.0031
	Z	-0.0104	0.0000	-0.0014	-0.0031	0.0000	0.0000
AT. 21 CA	X	-0.0020	-0.0034	-0.0007	-0.0018	0.0018	-0.0021
	Y	0.0005	0.0004	-0.0004	-0.0014	-0.0004	0.0000
	Z	-0.0026	0.0024	-0.0019	0.0035	-0.0002	-0.0007
AT. 22 CA	X	0.0020	-0.0034	-0.0007	0.0018	-0.0018	-0.0021
	Y	-0.0005	0.0004	-0.0004	0.0014	0.0004	0.0000
	Z	-0.0026	-0.0024	0.0019	0.0035	-0.0002	0.0007
AT. 23 CA	X	0.0020	0.0034	-0.0007	0.0018	0.0018	0.0021
	Y	0.0005	0.0004	0.0004	-0.0014	0.0004	0.0000
	Z	-0.0026	0.0024	0.0019	0.0035	0.0002	-0.0007
AT. 24 CA	X	-0.0020	0.0034	-0.0007	-0.0018	-0.0018	0.0021
	Y	-0.0005	0.0004	0.0004	0.0014	-0.0004	0.0000
	Z	-0.0026	-0.0024	-0.0019	0.0035	0.0002	0.0007
AT. 25 CA	X	-0.0020	0.0034	0.0007	0.0018	-0.0018	-0.0021
	Y	0.0005	-0.0004	0.0004	0.0014	0.0004	0.0000
	Z	-0.0026	-0.0024	0.0019	-0.0035	0.0002	-0.0007
AT. 26 CA	X	0.0020	0.0034	0.0007	-0.0018	0.0018	-0.0021
	Y	-0.0005	-0.0004	0.0004	-0.0014	-0.0004	0.0000
	Z	-0.0026	0.0024	-0.0019	-0.0035	0.0002	0.0007
AT. 27 CA	X	0.0020	-0.0034	0.0007	-0.0018	-0.0018	0.0021
	Y	0.0005	-0.0004	-0.0004	0.0014	-0.0004	0.0000
	Z	-0.0026	-0.0024	-0.0019	-0.0035	-0.0002	-0.0007
AT. 28 CA	X	-0.0020	-0.0034	0.0007	0.0018	0.0018	0.0021
	Y	-0.0005	-0.0004	-0.0004	-0.0014	0.0004	0.0000
	Z	-0.0026	0.0024	0.0019	-0.0035	-0.0002	0.0007
AT. 29 CA	X	-0.0042	0.0000	0.0000	0.0000	0.0000	-0.0060
	Y	0.0001	0.0000	0.0000	0.0000	0.0000	-0.0005
	Z	-0.0036	0.0000	0.0000	0.0000	0.0000	-0.0041
AT. 30 CA	X	0.0042	0.0000	0.0000	0.0000	0.0000	-0.0060
	Y	-0.0001	0.0000	0.0000	0.0000	0.0000	-0.0005
	Z	-0.0036	0.0000	0.0000	0.0000	0.0000	0.0041
AT. 31 CA	X	0.0042	0.0000	0.0000	0.0000	0.0000	0.0060
	Y	0.0001	0.0000	0.0000	0.0000	0.0000	-0.0005
	Z	-0.0036	0.0000	0.0000	0.0000	0.0000	-0.0041
AT. 32 CA	X	-0.0042	0.0000	0.0000	0.0000	0.0000	0.0060
	Y	-0.0001	0.0000	0.0000	0.0000	0.0000	-0.0005

	Z	-0.0036	0.0000	0.0000	0.0000	0.0000	0.0041
AT. 33 CA	X	0.0054	-0.0020	0.0049	-0.0052	-0.0047	0.0049
	Y	0.0008	-0.0013	0.0015	-0.0019	-0.0014	0.0016
	Z	-0.0043	0.0012	-0.0056	0.0048	0.0045	-0.0045
AT. 34 CA	X	-0.0054	-0.0020	0.0049	0.0052	0.0047	0.0049
	Y	-0.0008	-0.0013	0.0015	0.0019	0.0014	0.0016
	Z	-0.0043	-0.0012	0.0056	0.0048	0.0045	0.0045
AT. 35 CA	X	-0.0054	0.0020	0.0049	0.0052	-0.0047	-0.0049
	Y	0.0008	-0.0013	-0.0015	-0.0019	0.0014	0.0016
	Z	-0.0043	0.0012	0.0056	0.0048	-0.0045	-0.0045
AT. 36 CA	X	0.0054	0.0020	0.0049	-0.0052	0.0047	-0.0049
	Y	-0.0008	-0.0013	-0.0015	0.0019	-0.0014	0.0016
	Z	-0.0043	-0.0012	-0.0056	0.0048	-0.0045	0.0045
AT. 37 CA	X	0.0054	0.0020	-0.0049	0.0052	0.0047	0.0049
	Y	0.0008	0.0013	-0.0015	0.0019	0.0014	0.0016
	Z	-0.0043	-0.0012	0.0056	-0.0048	-0.0045	-0.0045
AT. 38 CA	X	-0.0054	0.0020	-0.0049	-0.0052	-0.0047	0.0049
	Y	-0.0008	0.0013	-0.0015	-0.0019	-0.0014	0.0016
	Z	-0.0043	0.0012	-0.0056	-0.0048	-0.0045	0.0045
AT. 39 CA	X	-0.0054	-0.0020	-0.0049	-0.0052	0.0047	-0.0049
	Y	0.0008	0.0013	0.0015	0.0019	-0.0014	0.0016
	Z	-0.0043	-0.0012	-0.0056	-0.0048	0.0045	-0.0045
AT. 40 CA	X	0.0054	-0.0020	-0.0049	0.0052	-0.0047	-0.0049
	Y	-0.0008	0.0013	0.0015	-0.0019	0.0014	0.0016
	Z	-0.0043	0.0012	0.0056	-0.0048	0.0045	0.0045
AT. 41 CA	X	-0.0011	0.0004	0.0045	-0.0005	-0.0010	0.0009
	Y	-0.0020	-0.0005	0.0013	0.0002	-0.0011	0.0004
	Z	0.0033	0.0010	-0.0030	0.0016	-0.0011	0.0002
AT. 42 CA	X	0.0011	0.0004	0.0045	0.0005	0.0010	0.0009
	Y	0.0020	-0.0005	0.0013	-0.0002	0.0011	0.0004
	Z	0.0033	-0.0010	0.0030	0.0016	-0.0011	-0.0002
AT. 43 CA	X	0.0011	-0.0004	0.0045	0.0005	-0.0010	-0.0009
	Y	-0.0020	-0.0005	-0.0013	0.0002	0.0011	0.0004
	Z	0.0033	0.0010	0.0030	0.0016	0.0011	0.0002
AT. 44 CA	X	-0.0011	-0.0004	0.0045	-0.0005	0.0010	-0.0009
	Y	0.0020	-0.0005	-0.0013	-0.0002	-0.0011	0.0004
	Z	0.0033	-0.0010	-0.0030	0.0016	0.0011	-0.0002
AT. 45 CA	X	-0.0011	-0.0004	-0.0045	0.0005	0.0010	0.0009
	Y	-0.0020	0.0005	-0.0013	-0.0002	0.0011	0.0004
	Z	0.0033	-0.0010	0.0030	-0.0016	0.0011	0.0002
AT. 46 CA	X	0.0011	-0.0004	-0.0045	-0.0005	-0.0010	0.0009
	Y	0.0020	0.0005	-0.0013	0.0002	-0.0011	0.0004
	Z	0.0033	0.0010	-0.0030	-0.0016	0.0011	-0.0002
AT. 47 CA	X	0.0011	0.0004	-0.0045	-0.0005	0.0010	-0.0009
	Y	-0.0020	0.0005	0.0013	-0.0002	-0.0011	0.0004
	Z	0.0033	-0.0010	-0.0030	-0.0016	-0.0011	0.0002
AT. 48 CA	X	-0.0011	0.0004	-0.0045	0.0005	-0.0010	-0.0009
	Y	0.0020	0.0005	0.0013	0.0002	0.0011	0.0004
	Z	0.0033	0.0010	0.0030	-0.0016	-0.0011	-0.0002
AT. 49 CA	X	-0.0001	0.0000	0.0014	0.0001	0.0000	0.0000
	Y	0.0000	0.0018	0.0000	0.0000	0.0040	-0.0033
	Z	0.0025	0.0000	-0.0013	-0.0011	0.0000	0.0000
AT. 50 CA	X	0.0001	0.0000	0.0014	-0.0001	0.0000	0.0000
	Y	0.0000	0.0018	0.0000	0.0000	-0.0040	-0.0033
	Z	0.0025	0.0000	0.0013	-0.0011	0.0000	0.0000
AT. 51 CA	X	-0.0001	0.0000	-0.0014	-0.0001	0.0000	0.0000
	Y	0.0000	-0.0018	0.0000	0.0000	-0.0040	-0.0033
	Z	0.0025	0.0000	0.0013	0.0011	0.0000	0.0000
AT. 52 CA	X	0.0001	0.0000	-0.0014	0.0001	0.0000	0.0000
	Y	0.0000	-0.0018	0.0000	0.0000	0.0040	-0.0033
	Z	0.0025	0.0000	-0.0013	0.0011	0.0000	0.0000

AT.	53	O	X	0.0114	0.0238	0.0024	0.0176	-0.0141	0.0094
			Y	-0.0031	-0.0068	-0.0009	-0.0061	0.0037	-0.0030
			Z	0.0063	-0.0073	0.0084	-0.0044	-0.0094	0.0149
AT.	54	O	X	-0.0114	0.0238	0.0024	-0.0176	0.0141	0.0094
			Y	0.0031	-0.0068	-0.0009	0.0061	-0.0037	-0.0030
			Z	0.0063	0.0073	-0.0084	-0.0044	-0.0094	-0.0149
AT.	55	O	X	-0.0114	-0.0238	0.0024	-0.0176	-0.0141	-0.0094
			Y	-0.0031	-0.0068	0.0009	-0.0061	-0.0037	-0.0030
			Z	0.0063	-0.0073	-0.0084	-0.0044	0.0094	0.0149
AT.	56	O	X	0.0114	-0.0238	0.0024	0.0176	0.0141	-0.0094
			Y	0.0031	-0.0068	0.0009	0.0061	0.0037	-0.0030
			Z	0.0063	0.0073	0.0084	-0.0044	0.0094	-0.0149
AT.	57	O	X	0.0114	-0.0238	-0.0024	-0.0176	0.0141	0.0094
			Y	-0.0031	0.0068	0.0009	0.0061	-0.0037	-0.0030
			Z	0.0063	0.0073	-0.0084	0.0044	0.0094	0.0149
AT.	58	O	X	-0.0114	-0.0238	-0.0024	0.0176	-0.0141	0.0094
			Y	0.0031	0.0068	0.0009	-0.0061	0.0037	-0.0030
			Z	0.0063	-0.0073	0.0084	0.0044	0.0094	-0.0149
AT.	59	O	X	-0.0114	0.0238	-0.0024	0.0176	0.0141	-0.0094
			Y	-0.0031	0.0068	-0.0009	0.0061	0.0037	-0.0030
			Z	0.0063	0.0073	0.0084	0.0044	-0.0094	0.0149
AT.	60	O	X	0.0114	0.0238	-0.0024	-0.0176	-0.0141	-0.0094
			Y	0.0031	0.0068	-0.0009	-0.0061	-0.0037	-0.0030
			Z	0.0063	-0.0073	-0.0084	0.0044	-0.0094	-0.0149
AT.	61	O	X	-0.0111	0.0049	-0.0163	0.0037	0.0218	-0.0204
			Y	-0.0011	0.0137	-0.0053	0.0119	0.0034	-0.0032
			Z	-0.0014	-0.0074	-0.0009	-0.0070	0.0050	-0.0024
AT.	62	O	X	0.0111	0.0049	-0.0163	-0.0037	-0.0218	-0.0204
			Y	0.0011	0.0137	-0.0053	-0.0119	-0.0034	-0.0032
			Z	-0.0014	0.0074	0.0009	-0.0070	0.0050	0.0024
AT.	63	O	X	0.0111	-0.0049	-0.0163	-0.0037	0.0218	0.0204
			Y	-0.0011	0.0137	0.0053	0.0119	-0.0034	-0.0032
			Z	-0.0014	-0.0074	0.0009	-0.0070	-0.0050	-0.0024
AT.	64	O	X	-0.0111	-0.0049	-0.0163	0.0037	-0.0218	0.0204
			Y	0.0011	0.0137	0.0053	-0.0119	0.0034	-0.0032
			Z	-0.0014	0.0074	-0.0009	-0.0070	-0.0050	0.0024
AT.	65	O	X	-0.0111	-0.0049	0.0163	-0.0037	-0.0218	-0.0204
			Y	-0.0011	-0.0137	0.0053	-0.0119	-0.0034	-0.0032
			Z	-0.0014	0.0074	0.0009	0.0070	-0.0050	-0.0024
AT.	66	O	X	0.0111	-0.0049	0.0163	0.0037	0.0218	-0.0204
			Y	0.0011	-0.0137	0.0053	0.0119	0.0034	-0.0032
			Z	-0.0014	-0.0074	-0.0009	0.0070	-0.0050	0.0024
AT.	67	O	X	0.0111	0.0049	0.0163	0.0037	-0.0218	0.0204
			Y	-0.0011	-0.0137	-0.0053	-0.0119	0.0034	-0.0032
			Z	-0.0014	0.0074	-0.0009	0.0070	0.0050	-0.0024
AT.	68	O	X	-0.0111	0.0049	0.0163	-0.0037	0.0218	0.0204
			Y	0.0011	-0.0137	-0.0053	0.0119	-0.0034	-0.0032
			Z	-0.0014	-0.0074	0.0009	0.0070	0.0050	0.0024
AT.	69	O	X	-0.0001	-0.0268	0.0123	-0.0178	-0.0069	0.0120
			Y	0.0047	-0.0022	0.0054	-0.0011	-0.0065	0.0082
			Z	0.0045	0.0064	0.0018	0.0045	-0.0028	0.0035
AT.	70	O	X	0.0001	-0.0268	0.0123	0.0178	0.0069	0.0120
			Y	-0.0047	-0.0022	0.0054	0.0011	0.0065	0.0082
			Z	0.0045	-0.0064	-0.0018	0.0045	-0.0028	-0.0035
AT.	71	O	X	0.0001	0.0268	0.0123	0.0178	-0.0069	-0.0120
			Y	0.0047	-0.0022	-0.0054	-0.0011	0.0065	0.0082
			Z	0.0045	0.0064	-0.0018	0.0045	0.0028	0.0035
AT.	72	O	X	-0.0001	0.0268	0.0123	-0.0178	0.0069	-0.0120
			Y	-0.0047	-0.0022	-0.0054	0.0011	-0.0065	0.0082
			Z	0.0045	-0.0064	0.0018	0.0045	0.0028	-0.0035
AT.	73	O	X	-0.0001	0.0268	-0.0123	0.0178	0.0069	0.0120

	Y	0.0047	0.0022	-0.0054	0.0011	0.0065	0.0082
	Z	0.0045	-0.0064	-0.0018	-0.0045	0.0028	0.0035
AT. 74 O	X	0.0001	0.0268	-0.0123	-0.0178	-0.0069	0.0120
	Y	-0.0047	0.0022	-0.0054	-0.0011	-0.0065	0.0082
	Z	0.0045	0.0064	0.0018	-0.0045	0.0028	-0.0035
AT. 75 O	X	0.0001	-0.0268	-0.0123	-0.0178	0.0069	-0.0120
	Y	0.0047	0.0022	0.0054	0.0011	-0.0065	0.0082
	Z	0.0045	-0.0064	0.0018	-0.0045	-0.0028	0.0035
AT. 76 O	X	-0.0001	-0.0268	-0.0123	0.0178	-0.0069	-0.0120
	Y	-0.0047	0.0022	0.0054	-0.0011	0.0065	0.0082
	Z	0.0045	0.0064	-0.0018	-0.0045	-0.0028	-0.0035
AT. 77 O	X	0.0003	0.0002	-0.0005	0.0011	-0.0004	0.0003
	Y	-0.0071	-0.0154	-0.0006	-0.0110	0.0082	-0.0070
	Z	-0.0068	0.0153	-0.0132	0.0103	0.0125	-0.0173
AT. 78 O	X	-0.0003	0.0002	-0.0005	-0.0011	0.0004	0.0003
	Y	0.0071	-0.0154	-0.0006	0.0110	-0.0082	-0.0070
	Z	-0.0068	-0.0153	0.0132	0.0103	0.0125	0.0173
AT. 79 O	X	-0.0003	-0.0002	-0.0005	-0.0011	-0.0004	-0.0003
	Y	-0.0071	-0.0154	0.0006	-0.0110	-0.0082	-0.0070
	Z	-0.0068	0.0153	0.0132	0.0103	-0.0125	-0.0173
AT. 80 O	X	0.0003	-0.0002	-0.0005	0.0011	0.0004	-0.0003
	Y	0.0071	-0.0154	0.0006	0.0110	0.0082	-0.0070
	Z	-0.0068	-0.0153	-0.0132	0.0103	-0.0125	0.0173
AT. 81 O	X	0.0003	-0.0002	0.0005	-0.0011	0.0004	0.0003
	Y	-0.0071	0.0154	0.0006	0.0110	-0.0082	-0.0070
	Z	-0.0068	-0.0153	0.0132	-0.0103	-0.0125	-0.0173
AT. 82 O	X	-0.0003	-0.0002	0.0005	0.0011	-0.0004	0.0003
	Y	0.0071	0.0154	0.0006	-0.0110	0.0082	-0.0070
	Z	-0.0068	0.0153	-0.0132	-0.0103	-0.0125	0.0173
AT. 83 O	X	-0.0003	0.0002	0.0005	0.0011	0.0004	-0.0003
	Y	-0.0071	0.0154	-0.0006	0.0110	0.0082	-0.0070
	Z	-0.0068	-0.0153	-0.0132	-0.0103	0.0125	-0.0173
AT. 84 O	X	0.0003	0.0002	0.0005	-0.0011	-0.0004	-0.0003
	Y	0.0071	0.0154	-0.0006	-0.0110	-0.0082	-0.0070
	Z	-0.0068	0.0153	0.0132	-0.0103	0.0125	0.0173
AT. 85 O	X	0.0126	0.0027	0.0080	-0.0092	-0.0116	0.0095
	Y	-0.0096	0.0016	-0.0093	0.0110	0.0032	-0.0024
	Z	0.0156	-0.0004	0.0150	-0.0140	-0.0056	0.0048
AT. 86 O	X	-0.0126	0.0027	0.0080	0.0092	0.0116	0.0095
	Y	0.0096	0.0016	-0.0093	-0.0110	-0.0032	-0.0024
	Z	0.0156	0.0004	-0.0150	-0.0140	-0.0056	-0.0048
AT. 87 O	X	-0.0126	-0.0027	0.0080	0.0092	-0.0116	-0.0095
	Y	-0.0096	0.0016	0.0093	0.0110	-0.0032	-0.0024
	Z	0.0156	-0.0004	-0.0150	-0.0140	0.0056	0.0048
AT. 88 O	X	0.0126	-0.0027	0.0080	-0.0092	0.0116	-0.0095
	Y	0.0096	0.0016	0.0093	-0.0110	0.0032	-0.0024
	Z	0.0156	0.0004	0.0150	-0.0140	0.0056	-0.0048
AT. 89 O	X	0.0126	-0.0027	-0.0080	0.0092	0.0116	0.0095
	Y	-0.0096	-0.0016	0.0093	-0.0110	-0.0032	-0.0024
	Z	0.0156	0.0004	-0.0150	0.0140	0.0056	0.0048
AT. 90 O	X	-0.0126	-0.0027	-0.0080	-0.0092	-0.0116	0.0095
	Y	0.0096	-0.0016	0.0093	0.0110	0.0032	-0.0024
	Z	0.0156	-0.0004	0.0150	0.0140	0.0056	-0.0048
AT. 91 O	X	-0.0126	0.0027	-0.0080	-0.0092	0.0116	-0.0095
	Y	-0.0096	-0.0016	-0.0093	-0.0110	0.0032	-0.0024
	Z	0.0156	0.0004	0.0150	0.0140	-0.0056	0.0048
AT. 92 O	X	0.0126	0.0027	-0.0080	0.0092	-0.0116	-0.0095
	Y	0.0096	-0.0016	-0.0093	0.0110	-0.0032	-0.0024
	Z	0.0156	-0.0004	-0.0150	0.0140	-0.0056	-0.0048
AT. 93 O	X	-0.0209	-0.0030	-0.0090	0.0142	0.0133	-0.0119
	Y	0.0053	-0.0005	0.0039	-0.0039	0.0017	-0.0007

		Z	0.0108	0.0010	0.0079	-0.0064	-0.0113	0.0105
AT.	94 O	X	0.0209	-0.0030	-0.0090	-0.0142	-0.0133	-0.0119
		Y	-0.0053	-0.0005	0.0039	0.0039	-0.0017	-0.0007
		Z	0.0108	-0.0010	-0.0079	-0.0064	-0.0113	-0.0105
AT.	95 O	X	0.0209	0.0030	-0.0090	-0.0142	0.0133	0.0119
		Y	0.0053	-0.0005	-0.0039	-0.0039	-0.0017	-0.0007
		Z	0.0108	0.0010	-0.0079	-0.0064	0.0113	0.0105
AT.	96 O	X	-0.0209	0.0030	-0.0090	0.0142	-0.0133	0.0119
		Y	-0.0053	-0.0005	-0.0039	0.0039	0.0017	-0.0007
		Z	0.0108	-0.0010	0.0079	-0.0064	0.0113	-0.0105
AT.	97 O	X	-0.0209	0.0030	0.0090	-0.0142	-0.0133	-0.0119
		Y	0.0053	0.0005	-0.0039	0.0039	-0.0017	-0.0007
		Z	0.0108	-0.0010	-0.0079	0.0064	0.0113	0.0105
AT.	98 O	X	0.0209	0.0030	0.0090	0.0142	0.0133	-0.0119
		Y	-0.0053	0.0005	-0.0039	-0.0039	0.0017	-0.0007
		Z	0.0108	0.0010	0.0079	0.0064	0.0113	-0.0105
AT.	99 O	X	0.0209	-0.0030	0.0090	0.0142	-0.0133	0.0119
		Y	0.0053	0.0005	0.0039	0.0039	0.0017	-0.0007
		Z	0.0108	-0.0010	0.0079	0.0064	-0.0113	0.0105
AT.	100 O	X	-0.0209	-0.0030	0.0090	-0.0142	0.0133	0.0119
		Y	-0.0053	0.0005	0.0039	-0.0039	-0.0017	-0.0007
		Z	0.0108	0.0010	-0.0079	0.0064	-0.0113	-0.0105
AT.	101 O	X	0.0044	0.0013	0.0003	-0.0027	-0.0016	0.0016
		Y	-0.0088	-0.0032	-0.0112	0.0094	0.0088	-0.0073
		Z	-0.0072	-0.0038	-0.0084	0.0060	0.0079	-0.0061
AT.	102 O	X	-0.0044	0.0013	0.0003	0.0027	0.0016	0.0016
		Y	0.0088	-0.0032	-0.0112	-0.0094	-0.0088	-0.0073
		Z	-0.0072	0.0038	0.0084	0.0060	0.0079	0.0061
AT.	103 O	X	-0.0044	-0.0013	0.0003	0.0027	-0.0016	-0.0016
		Y	-0.0088	-0.0032	0.0112	0.0094	-0.0088	-0.0073
		Z	-0.0072	-0.0038	0.0084	0.0060	-0.0079	-0.0061
AT.	104 O	X	0.0044	-0.0013	0.0003	-0.0027	0.0016	-0.0016
		Y	0.0088	-0.0032	0.0112	-0.0094	0.0088	-0.0073
		Z	-0.0072	0.0038	-0.0084	0.0060	-0.0079	0.0061
AT.	105 O	X	0.0044	-0.0013	-0.0003	0.0027	0.0016	0.0016
		Y	-0.0088	0.0032	0.0112	-0.0094	-0.0088	-0.0073
		Z	-0.0072	0.0038	0.0084	-0.0060	-0.0079	-0.0061
AT.	106 O	X	-0.0044	-0.0013	-0.0003	-0.0027	-0.0016	0.0016
		Y	0.0088	0.0032	0.0112	0.0094	0.0088	-0.0073
		Z	-0.0072	-0.0038	-0.0084	-0.0060	-0.0079	0.0061
AT.	107 O	X	-0.0044	0.0013	-0.0003	-0.0027	0.0016	-0.0016
		Y	-0.0088	0.0032	-0.0112	-0.0094	0.0088	-0.0073
		Z	-0.0072	0.0038	-0.0084	-0.0060	0.0079	-0.0061
AT.	108 O	X	0.0044	0.0013	-0.0003	0.0027	-0.0016	-0.0016
		Y	0.0088	0.0032	-0.0112	0.0094	-0.0088	-0.0073
		Z	-0.0072	-0.0038	0.0084	-0.0060	0.0079	0.0061
AT.	109 O	X	-0.0052	-0.0008	-0.0027	0.0026	0.0044	-0.0036
		Y	0.0115	0.0024	0.0110	-0.0110	-0.0092	0.0076
		Z	-0.0031	0.0044	-0.0026	0.0047	-0.0034	0.0020
AT.	110 O	X	0.0052	-0.0008	-0.0027	-0.0026	-0.0044	-0.0036
		Y	-0.0115	0.0024	0.0110	0.0110	0.0092	0.0076
		Z	-0.0031	-0.0044	0.0026	0.0047	-0.0034	-0.0020
AT.	111 O	X	0.0052	0.0008	-0.0027	-0.0026	0.0044	0.0036
		Y	0.0115	0.0024	-0.0110	-0.0110	0.0092	0.0076
		Z	-0.0031	0.0044	0.0026	0.0047	0.0034	0.0020
AT.	112 O	X	-0.0052	0.0008	-0.0027	0.0026	-0.0044	0.0036
		Y	-0.0115	0.0024	-0.0110	0.0110	-0.0092	0.0076
		Z	-0.0031	-0.0044	-0.0026	0.0047	0.0034	-0.0020
AT.	113 O	X	-0.0052	0.0008	0.0027	-0.0026	-0.0044	-0.0036
		Y	0.0115	-0.0024	-0.0110	0.0110	0.0092	0.0076
		Z	-0.0031	-0.0044	0.0026	-0.0047	0.0034	0.0020

AT. 114 O	X	0.0052	0.0008	0.0027	0.0026	0.0044	-0.0036
	Y	-0.0115	-0.0024	-0.0110	-0.0110	-0.0092	0.0076
	Z	-0.0031	0.0044	-0.0026	-0.0047	0.0034	-0.0020
AT. 115 O	X	0.0052	-0.0008	0.0027	0.0026	-0.0044	0.0036
	Y	0.0115	-0.0024	0.0110	0.0110	-0.0092	0.0076
	Z	-0.0031	-0.0044	-0.0026	-0.0047	-0.0034	0.0020
AT. 116 O	X	-0.0052	-0.0008	0.0027	-0.0026	0.0044	0.0036
	Y	-0.0115	-0.0024	0.0110	-0.0110	0.0092	0.0076
	Z	-0.0031	0.0044	0.0026	-0.0047	-0.0034	-0.0020
AT. 117 O	X	-0.0077	-0.0004	0.0112	-0.0020	0.0045	-0.0041
	Y	0.0067	0.0049	-0.0165	0.0037	-0.0138	0.0115
	Z	-0.0068	-0.0016	0.0012	0.0025	0.0020	-0.0016
AT. 118 O	X	0.0077	-0.0004	0.0112	0.0020	-0.0045	-0.0041
	Y	-0.0067	0.0049	-0.0165	-0.0037	0.0138	0.0115
	Z	-0.0068	0.0016	-0.0012	0.0025	0.0020	0.0016
AT. 119 O	X	0.0077	0.0004	0.0112	0.0020	0.0045	0.0041
	Y	0.0067	0.0049	0.0165	0.0037	0.0138	0.0115
	Z	-0.0068	-0.0016	-0.0012	0.0025	-0.0020	-0.0016
AT. 120 O	X	-0.0077	0.0004	0.0112	-0.0020	-0.0045	0.0041
	Y	-0.0067	0.0049	0.0165	-0.0037	-0.0138	0.0115
	Z	-0.0068	0.0016	0.0012	0.0025	-0.0020	0.0016
AT. 121 O	X	-0.0077	0.0004	-0.0112	0.0020	-0.0045	-0.0041
	Y	0.0067	-0.0049	0.0165	-0.0037	0.0138	0.0115
	Z	-0.0068	0.0016	-0.0012	-0.0025	-0.0020	-0.0016
AT. 122 O	X	0.0077	0.0004	-0.0112	-0.0020	0.0045	-0.0041
	Y	-0.0067	-0.0049	0.0165	0.0037	-0.0138	0.0115
	Z	-0.0068	-0.0016	0.0012	-0.0025	-0.0020	0.0016
AT. 123 O	X	0.0077	-0.0004	-0.0112	-0.0020	-0.0045	0.0041
	Y	0.0067	-0.0049	-0.0165	-0.0037	-0.0138	0.0115
	Z	-0.0068	0.0016	0.0012	-0.0025	0.0020	-0.0016
AT. 124 O	X	-0.0077	-0.0004	-0.0112	0.0020	0.0045	0.0041
	Y	-0.0067	-0.0049	-0.0165	0.0037	0.0138	0.0115
	Z	-0.0068	-0.0016	-0.0012	-0.0025	0.0020	0.0016

FREQ(CM**-1)	410.76	412.47	416.80	421.25	421.86	424.10

AT. 1 SI	X	0.0021	-0.0023	0.0007	0.0015	0.0009	0.0009
	Y	-0.0035	0.0025	0.0015	-0.0012	0.0015	-0.0013
	Z	-0.0023	0.0004	0.0009	0.0012	0.0074	0.0023
AT. 2 SI	X	-0.0021	-0.0023	-0.0007	0.0015	0.0009	-0.0009
	Y	0.0035	0.0025	-0.0015	-0.0012	0.0015	0.0013
	Z	-0.0023	-0.0004	0.0009	-0.0012	-0.0074	0.0023
AT. 3 SI	X	0.0021	-0.0023	-0.0007	-0.0015	-0.0009	-0.0009
	Y	0.0035	-0.0025	0.0015	-0.0012	0.0015	-0.0013
	Z	0.0023	-0.0004	0.0009	0.0012	0.0074	0.0023
AT. 4 SI	X	-0.0021	-0.0023	0.0007	-0.0015	-0.0009	0.0009
	Y	-0.0035	-0.0025	-0.0015	-0.0012	0.0015	0.0013
	Z	0.0023	0.0004	0.0009	-0.0012	-0.0074	0.0023
AT. 5 SI	X	0.0021	-0.0023	0.0007	-0.0015	0.0009	-0.0009
	Y	-0.0035	0.0025	0.0015	0.0012	0.0015	0.0013
	Z	-0.0023	0.0004	0.0009	-0.0012	0.0074	-0.0023
AT. 6 SI	X	-0.0021	-0.0023	-0.0007	-0.0015	0.0009	0.0009
	Y	0.0035	0.0025	-0.0015	0.0012	0.0015	-0.0013
	Z	-0.0023	-0.0004	0.0009	0.0012	-0.0074	-0.0023
AT. 7 SI	X	0.0021	-0.0023	-0.0007	0.0015	-0.0009	0.0009
	Y	0.0035	-0.0025	0.0015	0.0012	0.0015	0.0013
	Z	0.0023	-0.0004	0.0009	-0.0012	0.0074	-0.0023
AT. 8 SI	X	-0.0021	-0.0023	0.0007	0.0015	-0.0009	-0.0009
	Y	-0.0035	-0.0025	-0.0015	0.0012	0.0015	-0.0013
	Z	0.0023	0.0004	0.0009	0.0012	-0.0074	-0.0023
AT. 9 SI	X	-0.0011	0.0007	-0.0010	0.0021	-0.0016	0.0006

	Y	-0.0033	0.0017	-0.0018	0.0011	-0.0045	-0.0053
	Z	0.0009	0.0010	-0.0013	0.0001	0.0023	-0.0005
AT. 10 SI	X	0.0011	0.0007	0.0010	0.0021	-0.0016	-0.0006
	Y	0.0033	0.0017	0.0018	0.0011	-0.0045	0.0053
	Z	0.0009	-0.0010	-0.0013	-0.0001	-0.0023	-0.0005
AT. 11 SI	X	-0.0011	0.0007	0.0010	-0.0021	0.0016	-0.0006
	Y	0.0033	-0.0017	-0.0018	0.0011	-0.0045	-0.0053
	Z	-0.0009	-0.0010	-0.0013	0.0001	0.0023	-0.0005
AT. 12 SI	X	0.0011	0.0007	-0.0010	-0.0021	0.0016	0.0006
	Y	-0.0033	-0.0017	0.0018	0.0011	-0.0045	0.0053
	Z	-0.0009	0.0010	-0.0013	-0.0001	-0.0023	-0.0005
AT. 13 SI	X	-0.0011	0.0007	-0.0010	-0.0021	-0.0016	-0.0006
	Y	-0.0033	0.0017	-0.0018	-0.0011	-0.0045	0.0053
	Z	0.0009	0.0010	-0.0013	-0.0001	0.0023	0.0005
AT. 14 SI	X	0.0011	0.0007	0.0010	-0.0021	-0.0016	0.0006
	Y	0.0033	0.0017	0.0018	-0.0011	-0.0045	-0.0053
	Z	0.0009	-0.0010	-0.0013	0.0001	-0.0023	0.0005
AT. 15 SI	X	-0.0011	0.0007	0.0010	0.0021	0.0016	0.0006
	Y	0.0033	-0.0017	-0.0018	-0.0011	-0.0045	0.0053
	Z	-0.0009	-0.0010	-0.0013	-0.0001	0.0023	0.0005
AT. 16 SI	X	0.0011	0.0007	-0.0010	0.0021	0.0016	-0.0006
	Y	-0.0033	-0.0017	0.0018	-0.0011	-0.0045	-0.0053
	Z	-0.0009	0.0010	-0.0013	0.0001	-0.0023	0.0005
AT. 17 SI	X	0.0000	0.0005	-0.0003	0.0000	0.0000	-0.0031
	Y	0.0045	0.0000	0.0000	-0.0051	0.0025	0.0000
	Z	0.0000	-0.0039	-0.0034	0.0000	0.0000	0.0024
AT. 18 SI	X	0.0000	0.0005	0.0003	0.0000	0.0000	0.0031
	Y	-0.0045	0.0000	0.0000	-0.0051	0.0025	0.0000
	Z	0.0000	0.0039	-0.0034	0.0000	0.0000	0.0024
AT. 19 SI	X	0.0000	0.0005	-0.0003	0.0000	0.0000	0.0031
	Y	0.0045	0.0000	0.0000	0.0051	0.0025	0.0000
	Z	0.0000	-0.0039	-0.0034	0.0000	0.0000	-0.0024
AT. 20 SI	X	0.0000	0.0005	0.0003	0.0000	0.0000	-0.0031
	Y	-0.0045	0.0000	0.0000	0.0051	0.0025	0.0000
	Z	0.0000	0.0039	-0.0034	0.0000	0.0000	-0.0024
AT. 21 CA	X	0.0001	-0.0004	0.0012	0.0000	0.0004	-0.0002
	Y	0.0026	-0.0012	0.0011	0.0012	0.0013	0.0026
	Z	0.0019	-0.0021	-0.0024	-0.0006	-0.0045	-0.0018
AT. 22 CA	X	-0.0001	-0.0004	-0.0012	0.0000	0.0004	0.0002
	Y	-0.0026	-0.0012	-0.0011	0.0012	0.0013	-0.0026
	Z	0.0019	0.0021	-0.0024	0.0006	0.0045	-0.0018
AT. 23 CA	X	0.0001	-0.0004	-0.0012	0.0000	-0.0004	0.0002
	Y	-0.0026	0.0012	0.0011	0.0012	0.0013	0.0026
	Z	-0.0019	0.0021	-0.0024	-0.0006	-0.0045	-0.0018
AT. 24 CA	X	-0.0001	-0.0004	0.0012	0.0000	-0.0004	-0.0002
	Y	0.0026	0.0012	-0.0011	0.0012	0.0013	-0.0026
	Z	-0.0019	-0.0021	-0.0024	0.0006	0.0045	-0.0018
AT. 25 CA	X	0.0001	-0.0004	0.0012	0.0000	0.0004	0.0002
	Y	0.0026	-0.0012	0.0011	-0.0012	0.0013	-0.0026
	Z	0.0019	-0.0021	-0.0024	0.0006	-0.0045	0.0018
AT. 26 CA	X	-0.0001	-0.0004	-0.0012	0.0000	0.0004	-0.0002
	Y	-0.0026	-0.0012	-0.0011	-0.0012	0.0013	0.0026
	Z	0.0019	0.0021	-0.0024	-0.0006	0.0045	0.0018
AT. 27 CA	X	0.0001	-0.0004	-0.0012	0.0000	-0.0004	-0.0002
	Y	-0.0026	0.0012	0.0011	-0.0012	0.0013	-0.0026
	Z	-0.0019	0.0021	-0.0024	0.0006	-0.0045	0.0018
AT. 28 CA	X	-0.0001	-0.0004	0.0012	0.0000	-0.0004	0.0002
	Y	0.0026	0.0012	-0.0011	-0.0012	0.0013	0.0026
	Z	-0.0019	-0.0021	-0.0024	-0.0006	0.0045	0.0018
AT. 29 CA	X	0.0023	-0.0007	0.0020	0.0000	-0.0028	0.0000
	Y	0.0056	-0.0039	0.0006	0.0000	-0.0004	0.0000

	Z	0.0013	0.0016	-0.0019	0.0000	-0.0070	0.0000
AT. 30 CA	X	-0.0023	-0.0007	-0.0020	0.0000	-0.0028	0.0000
	Y	-0.0056	-0.0039	-0.0006	0.0000	-0.0004	0.0000
	Z	0.0013	-0.0016	-0.0019	0.0000	0.0070	0.0000
AT. 31 CA	X	0.0023	-0.0007	-0.0020	0.0000	0.0028	0.0000
	Y	-0.0056	0.0039	0.0006	0.0000	-0.0004	0.0000
	Z	-0.0013	-0.0016	-0.0019	0.0000	-0.0070	0.0000
AT. 32 CA	X	-0.0023	-0.0007	0.0020	0.0000	0.0028	0.0000
	Y	0.0056	0.0039	-0.0006	0.0000	-0.0004	0.0000
	Z	-0.0013	0.0016	-0.0019	0.0000	0.0070	0.0000
AT. 33 CA	X	-0.0013	0.0033	-0.0013	-0.0019	0.0013	0.0016
	Y	0.0005	0.0008	-0.0006	0.0018	0.0011	0.0033
	Z	-0.0011	-0.0021	0.0005	0.0024	-0.0027	-0.0024
AT. 34 CA	X	0.0013	0.0033	0.0013	-0.0019	0.0013	-0.0016
	Y	-0.0005	0.0008	0.0006	0.0018	0.0011	-0.0033
	Z	-0.0011	0.0021	0.0005	-0.0024	0.0027	-0.0024
AT. 35 CA	X	-0.0013	0.0033	0.0013	0.0019	-0.0013	-0.0016
	Y	-0.0005	-0.0008	-0.0006	0.0018	0.0011	0.0033
	Z	0.0011	0.0021	0.0005	0.0024	-0.0027	-0.0024
AT. 36 CA	X	0.0013	0.0033	-0.0013	0.0019	-0.0013	0.0016
	Y	0.0005	-0.0008	0.0006	0.0018	0.0011	-0.0033
	Z	0.0011	-0.0021	0.0005	-0.0024	0.0027	-0.0024
AT. 37 CA	X	-0.0013	0.0033	-0.0013	0.0019	0.0013	-0.0016
	Y	0.0005	0.0008	-0.0006	-0.0018	0.0011	-0.0033
	Z	-0.0011	-0.0021	0.0005	-0.0024	-0.0027	0.0024
AT. 38 CA	X	0.0013	0.0033	0.0013	0.0019	0.0013	0.0016
	Y	-0.0005	0.0008	0.0006	-0.0018	0.0011	0.0033
	Z	-0.0011	0.0021	0.0005	0.0024	0.0027	0.0024
AT. 39 CA	X	-0.0013	0.0033	0.0013	-0.0019	-0.0013	0.0016
	Y	-0.0005	-0.0008	-0.0006	-0.0018	0.0011	-0.0033
	Z	0.0011	0.0021	0.0005	-0.0024	-0.0027	0.0024
AT. 40 CA	X	0.0013	0.0033	-0.0013	-0.0019	-0.0013	-0.0016
	Y	0.0005	-0.0008	0.0006	-0.0018	0.0011	0.0033
	Z	0.0011	-0.0021	0.0005	0.0024	0.0027	0.0024
AT. 41 CA	X	0.0000	0.0011	-0.0031	0.0009	-0.0019	0.0037
	Y	0.0007	0.0001	-0.0012	0.0001	-0.0009	0.0035
	Z	0.0007	-0.0014	0.0001	0.0024	-0.0027	0.0006
AT. 42 CA	X	0.0000	0.0011	0.0031	0.0009	-0.0019	-0.0037
	Y	-0.0007	0.0001	0.0012	0.0001	-0.0009	-0.0035
	Z	0.0007	0.0014	0.0001	-0.0024	0.0027	0.0006
AT. 43 CA	X	0.0000	0.0011	0.0031	-0.0009	0.0019	-0.0037
	Y	-0.0007	-0.0001	-0.0012	0.0001	-0.0009	0.0035
	Z	-0.0007	0.0014	0.0001	0.0024	-0.0027	0.0006
AT. 44 CA	X	0.0000	0.0011	-0.0031	-0.0009	0.0019	0.0037
	Y	0.0007	-0.0001	0.0012	0.0001	-0.0009	-0.0035
	Z	-0.0007	-0.0014	0.0001	-0.0024	0.0027	0.0006
AT. 45 CA	X	0.0000	0.0011	-0.0031	-0.0009	-0.0019	-0.0037
	Y	0.0007	0.0001	-0.0012	-0.0001	-0.0009	-0.0035
	Z	0.0007	-0.0014	0.0001	-0.0024	-0.0027	-0.0006
AT. 46 CA	X	0.0000	0.0011	0.0031	-0.0009	-0.0019	0.0037
	Y	-0.0007	0.0001	0.0012	-0.0001	-0.0009	0.0035
	Z	0.0007	0.0014	0.0001	0.0024	0.0027	-0.0006
AT. 47 CA	X	0.0000	0.0011	0.0031	0.0009	0.0019	0.0037
	Y	-0.0007	-0.0001	-0.0012	-0.0001	-0.0009	-0.0035
	Z	-0.0007	0.0014	0.0001	-0.0024	-0.0027	-0.0006
AT. 48 CA	X	0.0000	0.0011	-0.0031	0.0009	0.0019	-0.0037
	Y	0.0007	-0.0001	0.0012	-0.0001	-0.0009	0.0035
	Z	-0.0007	-0.0014	0.0001	0.0024	0.0027	-0.0006
AT. 49 CA	X	0.0000	-0.0001	-0.0003	0.0000	0.0000	0.0006
	Y	0.0031	0.0000	0.0000	-0.0017	-0.0021	0.0000
	Z	0.0000	0.0004	0.0012	0.0000	0.0000	0.0014

AT.	50	CA	X	0.0000	-0.0001	0.0003	0.0000	0.0000	-0.0006
			Y	-0.0031	0.0000	0.0000	-0.0017	-0.0021	0.0000
			Z	0.0000	-0.0004	0.0012	0.0000	0.0000	0.0014
AT.	51	CA	X	0.0000	-0.0001	-0.0003	0.0000	0.0000	-0.0006
			Y	0.0031	0.0000	0.0000	0.0017	-0.0021	0.0000
			Z	0.0000	0.0004	0.0012	0.0000	0.0000	-0.0014
AT.	52	CA	X	0.0000	-0.0001	0.0003	0.0000	0.0000	0.0006
			Y	-0.0031	0.0000	0.0000	0.0017	-0.0021	0.0000
			Z	0.0000	-0.0004	0.0012	0.0000	0.0000	-0.0014
AT.	53	O	X	0.0168	-0.0168	0.0084	0.0179	0.0178	0.0178
			Y	-0.0056	0.0052	-0.0009	-0.0050	-0.0033	-0.0051
			Z	-0.0139	0.0145	-0.0185	0.0078	-0.0127	0.0096
AT.	54	O	X	-0.0168	-0.0168	-0.0084	0.0179	0.0178	-0.0178
			Y	0.0056	0.0052	0.0009	-0.0050	-0.0033	0.0051
			Z	-0.0139	-0.0145	-0.0185	-0.0078	0.0127	0.0096
AT.	55	O	X	0.0168	-0.0168	-0.0084	-0.0179	-0.0178	-0.0178
			Y	0.0056	-0.0052	-0.0009	-0.0050	-0.0033	-0.0051
			Z	0.0139	-0.0145	-0.0185	0.0078	-0.0127	0.0096
AT.	56	O	X	-0.0168	-0.0168	0.0084	-0.0179	-0.0178	0.0178
			Y	-0.0056	-0.0052	0.0009	-0.0050	-0.0033	0.0051
			Z	0.0139	0.0145	-0.0185	-0.0078	0.0127	0.0096
AT.	57	O	X	0.0168	-0.0168	0.0084	-0.0179	0.0178	-0.0178
			Y	-0.0056	0.0052	-0.0009	0.0050	-0.0033	0.0051
			Z	-0.0139	0.0145	-0.0185	-0.0078	-0.0127	-0.0096
AT.	58	O	X	-0.0168	-0.0168	-0.0084	-0.0179	0.0178	0.0178
			Y	0.0056	0.0052	0.0009	0.0050	-0.0033	-0.0051
			Z	-0.0139	-0.0145	-0.0185	0.0078	0.0127	-0.0096
AT.	59	O	X	0.0168	-0.0168	-0.0084	0.0179	-0.0178	0.0178
			Y	0.0056	-0.0052	-0.0009	0.0050	-0.0033	0.0051
			Z	0.0139	-0.0145	-0.0185	-0.0078	-0.0127	-0.0096
AT.	60	O	X	-0.0168	-0.0168	0.0084	0.0179	-0.0178	-0.0178
			Y	-0.0056	-0.0052	0.0009	0.0050	-0.0033	-0.0051
			Z	0.0139	0.0145	-0.0185	0.0078	0.0127	-0.0096
AT.	61	O	X	0.0085	-0.0087	0.0183	-0.0213	0.0081	-0.0283
			Y	0.0089	-0.0112	0.0083	0.0025	0.0102	-0.0006
			Z	-0.0083	0.0074	0.0022	-0.0083	0.0025	-0.0081
AT.	62	O	X	-0.0085	-0.0087	-0.0183	-0.0213	0.0081	0.0283
			Y	-0.0089	-0.0112	-0.0083	0.0025	0.0102	0.0006
			Z	-0.0083	-0.0074	0.0022	0.0083	-0.0025	-0.0081
AT.	63	O	X	0.0085	-0.0087	-0.0183	0.0213	-0.0081	0.0283
			Y	-0.0089	0.0112	0.0083	0.0025	0.0102	-0.0006
			Z	0.0083	-0.0074	0.0022	-0.0083	0.0025	-0.0081
AT.	64	O	X	-0.0085	-0.0087	0.0183	0.0213	-0.0081	-0.0283
			Y	0.0089	0.0112	-0.0083	0.0025	0.0102	0.0006
			Z	0.0083	0.0074	0.0022	0.0083	-0.0025	-0.0081
AT.	65	O	X	0.0085	-0.0087	0.0183	0.0213	0.0081	0.0283
			Y	0.0089	-0.0112	0.0083	-0.0025	0.0102	0.0006
			Z	-0.0083	0.0074	0.0022	0.0083	0.0025	0.0081
AT.	66	O	X	-0.0085	-0.0087	-0.0183	0.0213	0.0081	-0.0283
			Y	-0.0089	-0.0112	-0.0083	-0.0025	0.0102	-0.0006
			Z	-0.0083	-0.0074	0.0022	-0.0083	-0.0025	0.0081
AT.	67	O	X	0.0085	-0.0087	-0.0183	-0.0213	-0.0081	-0.0283
			Y	-0.0089	0.0112	0.0083	-0.0025	0.0102	0.0006
			Z	0.0083	-0.0074	0.0022	0.0083	0.0025	0.0081
AT.	68	O	X	-0.0085	-0.0087	0.0183	-0.0213	-0.0081	0.0283
			Y	0.0089	0.0112	-0.0083	-0.0025	0.0102	-0.0006
			Z	0.0083	0.0074	0.0022	-0.0083	-0.0025	0.0081
AT.	69	O	X	-0.0264	0.0246	-0.0266	0.0059	-0.0240	0.0115
			Y	-0.0017	0.0017	-0.0071	0.0057	-0.0045	0.0072
			Z	0.0062	-0.0065	0.0052	0.0033	0.0105	0.0036
AT.	70	O	X	0.0264	0.0246	0.0266	0.0059	-0.0240	-0.0115

		Y	0.0017	0.0017	0.0071	0.0057	-0.0045	-0.0072
		Z	0.0062	0.0065	0.0052	-0.0033	-0.0105	0.0036
AT.	71 O	X	-0.0264	0.0246	0.0266	-0.0059	0.0240	-0.0115
		Y	0.0017	-0.0017	-0.0071	0.0057	-0.0045	0.0072
		Z	-0.0062	0.0065	0.0052	0.0033	0.0105	0.0036
AT.	72 O	X	0.0264	0.0246	-0.0266	-0.0059	0.0240	0.0115
		Y	-0.0017	-0.0017	0.0071	0.0057	-0.0045	-0.0072
		Z	-0.0062	-0.0065	0.0052	-0.0033	-0.0105	0.0036
AT.	73 O	X	-0.0264	0.0246	-0.0266	-0.0059	-0.0240	-0.0115
		Y	-0.0017	0.0017	-0.0071	-0.0057	-0.0045	-0.0072
		Z	0.0062	-0.0065	0.0052	-0.0033	0.0105	-0.0036
AT.	74 O	X	0.0264	0.0246	0.0266	-0.0059	-0.0240	0.0115
		Y	0.0017	0.0017	0.0071	-0.0057	-0.0045	0.0072
		Z	0.0062	0.0065	0.0052	0.0033	-0.0105	-0.0036
AT.	75 O	X	-0.0264	0.0246	0.0266	0.0059	0.0240	0.0115
		Y	0.0017	-0.0017	-0.0071	-0.0057	-0.0045	-0.0072
		Z	-0.0062	0.0065	0.0052	-0.0033	0.0105	-0.0036
AT.	76 O	X	0.0264	0.0246	-0.0266	0.0059	0.0240	-0.0115
		Y	-0.0017	-0.0017	0.0071	-0.0057	-0.0045	0.0072
		Z	-0.0062	-0.0065	0.0052	0.0033	-0.0105	-0.0036
AT.	77 O	X	0.0018	-0.0024	0.0007	0.0021	0.0012	0.0012
		Y	-0.0102	0.0099	-0.0028	-0.0108	-0.0082	-0.0111
		Z	0.0209	-0.0198	0.0205	-0.0110	0.0118	-0.0154
AT.	78 O	X	-0.0018	-0.0024	-0.0007	0.0021	0.0012	-0.0012
		Y	0.0102	0.0099	0.0028	-0.0108	-0.0082	0.0111
		Z	0.0209	0.0198	0.0205	0.0110	-0.0118	-0.0154
AT.	79 O	X	0.0018	-0.0024	-0.0007	-0.0021	-0.0012	-0.0012
		Y	0.0102	-0.0099	-0.0028	-0.0108	-0.0082	-0.0111
		Z	-0.0209	0.0198	0.0205	-0.0110	0.0118	-0.0154
AT.	80 O	X	-0.0018	-0.0024	0.0007	-0.0021	-0.0012	0.0012
		Y	-0.0102	-0.0099	0.0028	-0.0108	-0.0082	0.0111
		Z	-0.0209	-0.0198	0.0205	0.0110	-0.0118	-0.0154
AT.	81 O	X	0.0018	-0.0024	0.0007	-0.0021	0.0012	-0.0012
		Y	-0.0102	0.0099	-0.0028	0.0108	-0.0082	0.0111
		Z	0.0209	-0.0198	0.0205	0.0110	0.0118	0.0154
AT.	82 O	X	-0.0018	-0.0024	-0.0007	-0.0021	0.0012	0.0012
		Y	0.0102	0.0099	0.0028	0.0108	-0.0082	-0.0111
		Z	0.0209	0.0198	0.0205	-0.0110	-0.0118	0.0154
AT.	83 O	X	0.0018	-0.0024	-0.0007	0.0021	-0.0012	0.0012
		Y	0.0102	-0.0099	-0.0028	0.0108	-0.0082	0.0111
		Z	-0.0209	0.0198	0.0205	0.0110	0.0118	0.0154
AT.	84 O	X	-0.0018	-0.0024	0.0007	0.0021	-0.0012	-0.0012
		Y	-0.0102	-0.0099	0.0028	0.0108	-0.0082	-0.0111
		Z	-0.0209	-0.0198	0.0205	-0.0110	-0.0118	0.0154
AT.	85 O	X	-0.0003	0.0020	0.0039	-0.0116	0.0062	-0.0006
		Y	0.0004	-0.0073	-0.0004	0.0063	0.0004	0.0032
		Z	-0.0009	0.0070	0.0017	-0.0076	0.0029	-0.0045
AT.	86 O	X	0.0003	0.0020	-0.0039	-0.0116	0.0062	0.0006
		Y	-0.0004	-0.0073	0.0004	0.0063	0.0004	-0.0032
		Z	-0.0009	-0.0070	0.0017	0.0076	-0.0029	-0.0045
AT.	87 O	X	-0.0003	0.0020	-0.0039	0.0116	-0.0062	0.0006
		Y	-0.0004	0.0073	-0.0004	0.0063	0.0004	0.0032
		Z	0.0009	-0.0070	0.0017	-0.0076	0.0029	-0.0045
AT.	88 O	X	0.0003	0.0020	0.0039	0.0116	-0.0062	-0.0006
		Y	0.0004	0.0073	0.0004	0.0063	0.0004	-0.0032
		Z	0.0009	0.0070	0.0017	0.0076	-0.0029	-0.0045
AT.	89 O	X	-0.0003	0.0020	0.0039	0.0116	0.0062	0.0006
		Y	0.0004	-0.0073	-0.0004	-0.0063	0.0004	-0.0032
		Z	-0.0009	0.0070	0.0017	0.0076	0.0029	0.0045
AT.	90 O	X	0.0003	0.0020	-0.0039	0.0116	0.0062	-0.0006
		Y	-0.0004	-0.0073	0.0004	-0.0063	0.0004	0.0032

		Z	-0.0009	-0.0070	0.0017	-0.0076	-0.0029	0.0045
AT.	91 O	X	-0.0003	0.0020	-0.0039	-0.0116	-0.0062	-0.0006
		Y	-0.0004	0.0073	-0.0004	-0.0063	0.0004	-0.0032
		Z	0.0009	-0.0070	0.0017	0.0076	0.0029	0.0045
AT.	92 O	X	0.0003	0.0020	0.0039	-0.0116	-0.0062	0.0006
		Y	0.0004	0.0073	0.0004	-0.0063	0.0004	0.0032
		Z	0.0009	0.0070	0.0017	-0.0076	-0.0029	0.0045
AT.	93 O	X	-0.0019	-0.0060	-0.0059	0.0122	-0.0097	-0.0007
		Y	-0.0028	0.0038	-0.0001	-0.0009	-0.0014	-0.0033
		Z	0.0024	0.0051	-0.0010	-0.0050	0.0040	0.0030
AT.	94 O	X	0.0019	-0.0060	0.0059	0.0122	-0.0097	0.0007
		Y	0.0028	0.0038	0.0001	-0.0009	-0.0014	0.0033
		Z	0.0024	-0.0051	-0.0010	0.0050	-0.0040	0.0030
AT.	95 O	X	-0.0019	-0.0060	0.0059	-0.0122	0.0097	0.0007
		Y	0.0028	-0.0038	-0.0001	-0.0009	-0.0014	-0.0033
		Z	-0.0024	-0.0051	-0.0010	-0.0050	0.0040	0.0030
AT.	96 O	X	0.0019	-0.0060	-0.0059	-0.0122	0.0097	-0.0007
		Y	-0.0028	-0.0038	0.0001	-0.0009	-0.0014	0.0033
		Z	-0.0024	0.0051	-0.0010	0.0050	-0.0040	0.0030
AT.	97 O	X	-0.0019	-0.0060	-0.0059	-0.0122	-0.0097	0.0007
		Y	-0.0028	0.0038	-0.0001	0.0009	-0.0014	0.0033
		Z	0.0024	0.0051	-0.0010	0.0050	0.0040	-0.0030
AT.	98 O	X	0.0019	-0.0060	0.0059	-0.0122	-0.0097	-0.0007
		Y	0.0028	0.0038	0.0001	0.0009	-0.0014	-0.0033
		Z	0.0024	-0.0051	-0.0010	-0.0050	-0.0040	-0.0030
AT.	99 O	X	-0.0019	-0.0060	0.0059	0.0122	0.0097	-0.0007
		Y	0.0028	-0.0038	-0.0001	0.0009	-0.0014	0.0033
		Z	-0.0024	-0.0051	-0.0010	0.0050	0.0040	-0.0030
AT.	100 O	X	0.0019	-0.0060	-0.0059	0.0122	0.0097	0.0007
		Y	-0.0028	-0.0038	0.0001	0.0009	-0.0014	-0.0033
		Z	-0.0024	0.0051	-0.0010	-0.0050	-0.0040	-0.0030
AT.	101 O	X	0.0031	0.0028	0.0011	-0.0025	0.0022	-0.0018
		Y	-0.0029	-0.0020	-0.0006	0.0101	-0.0041	-0.0020
		Z	-0.0029	-0.0018	0.0000	0.0089	-0.0024	0.0030
AT.	102 O	X	-0.0031	0.0028	-0.0011	-0.0025	0.0022	0.0018
		Y	0.0029	-0.0020	0.0006	0.0101	-0.0041	0.0020
		Z	-0.0029	0.0018	0.0000	-0.0089	0.0024	0.0030
AT.	103 O	X	0.0031	0.0028	-0.0011	0.0025	-0.0022	0.0018
		Y	0.0029	0.0020	-0.0006	0.0101	-0.0041	-0.0020
		Z	0.0029	0.0018	0.0000	0.0089	-0.0024	0.0030
AT.	104 O	X	-0.0031	0.0028	0.0011	0.0025	-0.0022	-0.0018
		Y	-0.0029	0.0020	0.0006	0.0101	-0.0041	0.0020
		Z	0.0029	-0.0018	0.0000	-0.0089	0.0024	0.0030
AT.	105 O	X	0.0031	0.0028	0.0011	0.0025	0.0022	0.0018
		Y	-0.0029	-0.0020	-0.0006	-0.0101	-0.0041	0.0020
		Z	-0.0029	-0.0018	0.0000	-0.0089	-0.0024	-0.0030
AT.	106 O	X	-0.0031	0.0028	-0.0011	0.0025	0.0022	-0.0018
		Y	0.0029	-0.0020	0.0006	-0.0101	-0.0041	-0.0020
		Z	-0.0029	0.0018	0.0000	0.0089	0.0024	-0.0030
AT.	107 O	X	0.0031	0.0028	-0.0011	-0.0025	-0.0022	-0.0018
		Y	0.0029	0.0020	-0.0006	-0.0101	-0.0041	0.0020
		Z	0.0029	0.0018	0.0000	-0.0089	-0.0024	-0.0030
AT.	108 O	X	-0.0031	0.0028	0.0011	-0.0025	-0.0022	0.0018
		Y	-0.0029	0.0020	0.0006	-0.0101	-0.0041	-0.0020
		Z	0.0029	-0.0018	0.0000	0.0089	0.0024	-0.0030
AT.	109 O	X	-0.0014	0.0005	-0.0011	0.0025	-0.0027	0.0002
		Y	0.0019	0.0026	0.0019	-0.0116	0.0047	0.0024
		Z	0.0034	-0.0047	0.0014	-0.0033	0.0023	0.0001
AT.	110 O	X	0.0014	0.0005	0.0011	0.0025	-0.0027	-0.0002
		Y	-0.0019	0.0026	-0.0019	-0.0116	0.0047	-0.0024
		Z	0.0034	0.0047	0.0014	0.0033	-0.0023	0.0001

AT. 111 O	X	-0.0014	0.0005	0.0011	-0.0025	0.0027	-0.0002
	Y	-0.0019	-0.0026	0.0019	-0.0116	0.0047	0.0024
	Z	-0.0034	0.0047	0.0014	-0.0033	0.0023	0.0001
AT. 112 O	X	0.0014	0.0005	-0.0011	-0.0025	0.0027	0.0002
	Y	0.0019	-0.0026	-0.0019	-0.0116	0.0047	-0.0024
	Z	-0.0034	-0.0047	0.0014	0.0033	-0.0023	0.0001
AT. 113 O	X	-0.0014	0.0005	-0.0011	-0.0025	-0.0027	-0.0002
	Y	0.0019	0.0026	0.0019	0.0116	0.0047	-0.0024
	Z	0.0034	-0.0047	0.0014	0.0033	0.0023	-0.0001
AT. 114 O	X	0.0014	0.0005	0.0011	-0.0025	-0.0027	0.0002
	Y	-0.0019	0.0026	-0.0019	0.0116	0.0047	0.0024
	Z	0.0034	0.0047	0.0014	-0.0033	-0.0023	-0.0001
AT. 115 O	X	-0.0014	0.0005	0.0011	0.0025	0.0027	0.0002
	Y	-0.0019	-0.0026	0.0019	0.0116	0.0047	-0.0024
	Z	-0.0034	0.0047	0.0014	0.0033	0.0023	-0.0001
AT. 116 O	X	0.0014	0.0005	-0.0011	0.0025	0.0027	-0.0002
	Y	0.0019	-0.0026	-0.0019	0.0116	0.0047	0.0024
	Z	-0.0034	-0.0047	0.0014	-0.0033	-0.0023	-0.0001
AT. 117 O	X	-0.0007	-0.0027	-0.0051	0.0010	-0.0041	-0.0009
	Y	0.0070	-0.0013	0.0055	-0.0108	0.0083	0.0065
	Z	-0.0009	0.0000	-0.0026	0.0040	0.0005	-0.0050
AT. 118 O	X	0.0007	-0.0027	0.0051	0.0010	-0.0041	0.0009
	Y	-0.0070	-0.0013	-0.0055	-0.0108	0.0083	-0.0065
	Z	-0.0009	0.0000	-0.0026	-0.0040	-0.0005	-0.0050
AT. 119 O	X	-0.0007	-0.0027	0.0051	-0.0010	0.0041	0.0009
	Y	-0.0070	0.0013	0.0055	-0.0108	0.0083	0.0065
	Z	0.0009	0.0000	-0.0026	0.0040	0.0005	-0.0050
AT. 120 O	X	0.0007	-0.0027	-0.0051	-0.0010	0.0041	-0.0009
	Y	0.0070	0.0013	-0.0055	-0.0108	0.0083	-0.0065
	Z	0.0009	0.0000	-0.0026	-0.0040	-0.0005	-0.0050
AT. 121 O	X	-0.0007	-0.0027	-0.0051	-0.0010	-0.0041	0.0009
	Y	0.0070	-0.0013	0.0055	0.0108	0.0083	-0.0065
	Z	-0.0009	0.0000	-0.0026	-0.0040	0.0005	0.0050
AT. 122 O	X	0.0007	-0.0027	0.0051	-0.0010	-0.0041	-0.0009
	Y	-0.0070	-0.0013	-0.0055	0.0108	0.0083	0.0065
	Z	-0.0009	0.0000	-0.0026	0.0040	-0.0005	0.0050
AT. 123 O	X	-0.0007	-0.0027	0.0051	0.0010	0.0041	-0.0009
	Y	-0.0070	0.0013	0.0055	0.0108	0.0083	-0.0065
	Z	0.0009	0.0000	-0.0026	-0.0040	0.0005	0.0050
AT. 124 O	X	0.0007	-0.0027	-0.0051	0.0010	0.0041	0.0009
	Y	0.0070	0.0013	-0.0055	0.0108	0.0083	0.0065
	Z	0.0009	0.0000	-0.0026	0.0040	-0.0005	0.0050

FREQ(CM**-1)	424.73	425.00	425.68	427.82	428.94	429.78
AT. 1 SI X	0.0002	0.0002	-0.0011	0.0005	-0.0002	0.0001
Y	0.0011	0.0011	-0.0001	0.0003	-0.0008	-0.0006
Z	-0.0010	-0.0013	-0.0019	0.0011	0.0038	0.0023
AT. 2 SI X	-0.0002	0.0002	0.0011	0.0005	0.0002	0.0001
Y	-0.0011	0.0011	0.0001	0.0003	0.0008	-0.0006
Z	-0.0010	0.0013	-0.0019	-0.0011	0.0038	-0.0023
AT. 3 SI X	0.0002	0.0002	-0.0011	-0.0005	0.0002	0.0001
Y	-0.0011	-0.0011	0.0001	0.0003	-0.0008	0.0006
Z	0.0010	0.0013	0.0019	0.0011	0.0038	-0.0023
AT. 4 SI X	-0.0002	0.0002	0.0011	-0.0005	-0.0002	0.0001
Y	0.0011	-0.0011	-0.0001	0.0003	0.0008	0.0006
Z	0.0010	-0.0013	0.0019	-0.0011	0.0038	0.0023
AT. 5 SI X	0.0002	0.0002	-0.0011	-0.0005	-0.0002	-0.0001
Y	0.0011	0.0011	-0.0001	-0.0003	-0.0008	0.0006
Z	-0.0010	-0.0013	-0.0019	-0.0011	0.0038	-0.0023
AT. 6 SI X	-0.0002	0.0002	0.0011	-0.0005	0.0002	-0.0001

		Y	-0.0011	0.0011	0.0001	-0.0003	0.0008	0.0006
		Z	-0.0010	0.0013	-0.0019	0.0011	0.0038	0.0023
AT.	7 SI	X	0.0002	0.0002	-0.0011	0.0005	0.0002	-0.0001
		Y	-0.0011	-0.0011	0.0001	-0.0003	-0.0008	-0.0006
		Z	0.0010	0.0013	0.0019	-0.0011	0.0038	0.0023
AT.	8 SI	X	-0.0002	0.0002	0.0011	0.0005	-0.0002	-0.0001
		Y	0.0011	-0.0011	-0.0001	-0.0003	0.0008	-0.0006
		Z	0.0010	-0.0013	0.0019	0.0011	0.0038	-0.0023
AT.	9 SI	X	-0.0010	-0.0007	-0.0010	0.0001	-0.0021	0.0023
		Y	0.0027	0.0017	-0.0054	-0.0067	-0.0089	0.0048
		Z	0.0007	0.0022	0.0005	0.0009	-0.0032	0.0070
AT.	10 SI	X	0.0010	-0.0007	0.0010	0.0001	0.0021	0.0023
		Y	-0.0027	0.0017	0.0054	-0.0067	0.0089	0.0048
		Z	0.0007	-0.0022	0.0005	-0.0009	-0.0032	-0.0070
AT.	11 SI	X	-0.0010	-0.0007	-0.0010	-0.0001	0.0021	0.0023
		Y	-0.0027	-0.0017	0.0054	-0.0067	-0.0089	-0.0048
		Z	-0.0007	-0.0022	-0.0005	0.0009	-0.0032	-0.0070
AT.	12 SI	X	0.0010	-0.0007	0.0010	-0.0001	-0.0021	0.0023
		Y	0.0027	-0.0017	-0.0054	-0.0067	0.0089	-0.0048
		Z	-0.0007	0.0022	-0.0005	-0.0009	-0.0032	0.0070
AT.	13 SI	X	-0.0010	-0.0007	-0.0010	-0.0001	-0.0021	-0.0023
		Y	0.0027	0.0017	-0.0054	0.0067	-0.0089	-0.0048
		Z	0.0007	0.0022	0.0005	-0.0009	-0.0032	-0.0070
AT.	14 SI	X	0.0010	-0.0007	0.0010	-0.0001	0.0021	-0.0023
		Y	-0.0027	0.0017	0.0054	0.0067	0.0089	-0.0048
		Z	0.0007	-0.0022	0.0005	0.0009	-0.0032	0.0070
AT.	15 SI	X	-0.0010	-0.0007	-0.0010	0.0001	0.0021	-0.0023
		Y	-0.0027	-0.0017	0.0054	0.0067	-0.0089	0.0048
		Z	-0.0007	-0.0022	-0.0005	-0.0009	-0.0032	0.0070
AT.	16 SI	X	0.0010	-0.0007	0.0010	0.0001	-0.0021	-0.0023
		Y	0.0027	-0.0017	-0.0054	0.0067	0.0089	0.0048
		Z	-0.0007	0.0022	-0.0005	0.0009	-0.0032	-0.0070
AT.	17 SI	X	0.0000	0.0007	0.0000	0.0000	-0.0041	-0.0007
		Y	-0.0044	0.0000	0.0119	0.0111	0.0000	0.0000
		Z	0.0000	0.0011	0.0000	0.0000	0.0157	-0.0117
AT.	18 SI	X	0.0000	0.0007	0.0000	0.0000	0.0041	-0.0007
		Y	0.0044	0.0000	-0.0119	0.0111	0.0000	0.0000
		Z	0.0000	-0.0011	0.0000	0.0000	0.0157	0.0117
AT.	19 SI	X	0.0000	0.0007	0.0000	0.0000	-0.0041	0.0007
		Y	-0.0044	0.0000	0.0119	-0.0111	0.0000	0.0000
		Z	0.0000	0.0011	0.0000	0.0000	0.0157	0.0117
AT.	20 SI	X	0.0000	0.0007	0.0000	0.0000	0.0041	0.0007
		Y	0.0044	0.0000	-0.0119	-0.0111	0.0000	0.0000
		Z	0.0000	-0.0011	0.0000	0.0000	0.0157	-0.0117
AT.	21 CA	X	0.0007	0.0006	-0.0007	0.0000	-0.0011	0.0009
		Y	-0.0011	-0.0008	0.0010	0.0030	0.0004	-0.0007
		Z	0.0022	0.0021	-0.0001	-0.0022	0.0005	-0.0025
AT.	22 CA	X	-0.0007	0.0006	0.0007	0.0000	0.0011	0.0009
		Y	0.0011	-0.0008	-0.0010	0.0030	-0.0004	-0.0007
		Z	0.0022	-0.0021	-0.0001	0.0022	0.0005	0.0025
AT.	23 CA	X	0.0007	0.0006	-0.0007	0.0000	0.0011	0.0009
		Y	0.0011	0.0008	-0.0010	0.0030	0.0004	0.0007
		Z	-0.0022	-0.0021	0.0001	-0.0022	0.0005	0.0025
AT.	24 CA	X	-0.0007	0.0006	0.0007	0.0000	-0.0011	0.0009
		Y	-0.0011	0.0008	0.0010	0.0030	-0.0004	0.0007
		Z	-0.0022	0.0021	0.0001	0.0022	0.0005	-0.0025
AT.	25 CA	X	0.0007	0.0006	-0.0007	0.0000	-0.0011	-0.0009
		Y	-0.0011	-0.0008	0.0010	-0.0030	0.0004	0.0007
		Z	0.0022	0.0021	-0.0001	0.0022	0.0005	0.0025
AT.	26 CA	X	-0.0007	0.0006	0.0007	0.0000	0.0011	-0.0009
		Y	0.0011	-0.0008	-0.0010	-0.0030	-0.0004	0.0007

		Z	0.0022	-0.0021	-0.0001	-0.0022	0.0005	-0.0025
AT.	27 CA	X	0.0007	0.0006	-0.0007	0.0000	0.0011	-0.0009
		Y	0.0011	0.0008	-0.0010	-0.0030	0.0004	-0.0007
		Z	-0.0022	-0.0021	0.0001	0.0022	0.0005	-0.0025
AT.	28 CA	X	-0.0007	0.0006	0.0007	0.0000	-0.0011	-0.0009
		Y	-0.0011	0.0008	0.0010	-0.0030	-0.0004	-0.0007
		Z	-0.0022	0.0021	0.0001	-0.0022	0.0005	0.0025
AT.	29 CA	X	0.0061	0.0063	0.0022	0.0000	-0.0027	0.0000
		Y	-0.0004	-0.0001	0.0006	0.0000	0.0003	0.0000
		Z	0.0048	0.0052	0.0039	0.0000	-0.0038	0.0000
AT.	30 CA	X	-0.0061	0.0063	-0.0022	0.0000	0.0027	0.0000
		Y	0.0004	-0.0001	-0.0006	0.0000	-0.0003	0.0000
		Z	0.0048	-0.0052	0.0039	0.0000	-0.0038	0.0000
AT.	31 CA	X	0.0061	0.0063	0.0022	0.0000	0.0027	0.0000
		Y	0.0004	0.0001	-0.0006	0.0000	0.0003	0.0000
		Z	-0.0048	-0.0052	-0.0039	0.0000	-0.0038	0.0000
AT.	32 CA	X	-0.0061	0.0063	-0.0022	0.0000	-0.0027	0.0000
		Y	-0.0004	0.0001	0.0006	0.0000	-0.0003	0.0000
		Z	-0.0048	0.0052	-0.0039	0.0000	-0.0038	0.0000
AT.	33 CA	X	-0.0007	-0.0002	0.0041	0.0036	0.0012	0.0006
		Y	-0.0026	-0.0023	0.0009	0.0030	0.0008	-0.0004
		Z	0.0003	-0.0001	-0.0056	-0.0052	-0.0012	-0.0016
AT.	34 CA	X	0.0007	-0.0002	-0.0041	0.0036	-0.0012	0.0006
		Y	0.0026	-0.0023	-0.0009	0.0030	-0.0008	-0.0004
		Z	0.0003	0.0001	-0.0056	0.0052	-0.0012	0.0016
AT.	35 CA	X	-0.0007	-0.0002	0.0041	-0.0036	-0.0012	0.0006
		Y	0.0026	0.0023	-0.0009	0.0030	0.0008	0.0004
		Z	-0.0003	0.0001	0.0056	-0.0052	-0.0012	0.0016
AT.	36 CA	X	0.0007	-0.0002	-0.0041	-0.0036	0.0012	0.0006
		Y	-0.0026	0.0023	0.0009	0.0030	-0.0008	0.0004
		Z	-0.0003	-0.0001	0.0056	0.0052	-0.0012	-0.0016
AT.	37 CA	X	-0.0007	-0.0002	0.0041	-0.0036	0.0012	-0.0006
		Y	-0.0026	-0.0023	0.0009	-0.0030	0.0008	0.0004
		Z	0.0003	-0.0001	-0.0056	0.0052	-0.0012	0.0016
AT.	38 CA	X	0.0007	-0.0002	-0.0041	-0.0036	-0.0012	-0.0006
		Y	0.0026	-0.0023	-0.0009	-0.0030	-0.0008	0.0004
		Z	0.0003	0.0001	-0.0056	-0.0052	-0.0012	-0.0016
AT.	39 CA	X	-0.0007	-0.0002	0.0041	0.0036	-0.0012	-0.0006
		Y	0.0026	0.0023	-0.0009	-0.0030	0.0008	-0.0004
		Z	-0.0003	0.0001	0.0056	0.0052	-0.0012	-0.0016
AT.	40 CA	X	0.0007	-0.0002	-0.0041	0.0036	0.0012	-0.0006
		Y	-0.0026	0.0023	0.0009	-0.0030	-0.0008	-0.0004
		Z	-0.0003	-0.0001	0.0056	-0.0052	-0.0012	0.0016
AT.	41 CA	X	-0.0017	-0.0030	0.0011	0.0019	0.0003	-0.0015
		Y	-0.0015	-0.0023	0.0021	0.0024	0.0025	-0.0027
		Z	-0.0020	-0.0002	-0.0006	0.0002	-0.0025	-0.0002
AT.	42 CA	X	0.0017	-0.0030	-0.0011	0.0019	-0.0003	-0.0015
		Y	0.0015	-0.0023	-0.0021	0.0024	-0.0025	-0.0027
		Z	-0.0020	0.0002	-0.0006	-0.0002	-0.0025	0.0002
AT.	43 CA	X	-0.0017	-0.0030	0.0011	-0.0019	-0.0003	-0.0015
		Y	0.0015	0.0023	-0.0021	0.0024	0.0025	0.0027
		Z	0.0020	0.0002	0.0006	0.0002	-0.0025	0.0002
AT.	44 CA	X	0.0017	-0.0030	-0.0011	-0.0019	0.0003	-0.0015
		Y	-0.0015	0.0023	0.0021	0.0024	-0.0025	0.0027
		Z	0.0020	-0.0002	0.0006	-0.0002	-0.0025	-0.0002
AT.	45 CA	X	-0.0017	-0.0030	0.0011	-0.0019	0.0003	0.0015
		Y	-0.0015	-0.0023	0.0021	-0.0024	0.0025	0.0027
		Z	-0.0020	-0.0002	-0.0006	-0.0002	-0.0025	0.0002
AT.	46 CA	X	0.0017	-0.0030	-0.0011	-0.0019	-0.0003	0.0015
		Y	0.0015	-0.0023	-0.0021	-0.0024	-0.0025	0.0027
		Z	-0.0020	0.0002	-0.0006	0.0002	-0.0025	-0.0002

AT.	47	CA	X	-0.0017	-0.0030	0.0011	0.0019	-0.0003	0.0015
			Y	0.0015	0.0023	-0.0021	-0.0024	0.0025	-0.0027
			Z	0.0020	0.0002	0.0006	-0.0002	-0.0025	-0.0002
AT.	48	CA	X	0.0017	-0.0030	-0.0011	0.0019	0.0003	0.0015
			Y	-0.0015	0.0023	0.0021	-0.0024	-0.0025	-0.0027
			Z	0.0020	-0.0002	0.0006	0.0002	-0.0025	0.0002
AT.	49	CA	X	0.0000	-0.0006	0.0000	0.0000	0.0016	-0.0011
			Y	-0.0030	0.0000	0.0056	0.0055	0.0000	0.0000
			Z	0.0000	-0.0007	0.0000	0.0000	0.0051	-0.0035
AT.	50	CA	X	0.0000	-0.0006	0.0000	0.0000	-0.0016	-0.0011
			Y	0.0030	0.0000	-0.0056	0.0055	0.0000	0.0000
			Z	0.0000	0.0007	0.0000	0.0000	0.0051	0.0035
AT.	51	CA	X	0.0000	-0.0006	0.0000	0.0000	0.0016	0.0011
			Y	-0.0030	0.0000	0.0056	-0.0055	0.0000	0.0000
			Z	0.0000	-0.0007	0.0000	0.0000	0.0051	0.0035
AT.	52	CA	X	0.0000	-0.0006	0.0000	0.0000	-0.0016	0.0011
			Y	0.0030	0.0000	-0.0056	-0.0055	0.0000	0.0000
			Z	0.0000	0.0007	0.0000	0.0000	0.0051	-0.0035
AT.	53	O	X	-0.0239	-0.0235	-0.0067	0.0096	0.0140	-0.0174
			Y	0.0071	0.0071	0.0013	-0.0014	-0.0042	0.0042
			Z	-0.0116	-0.0116	0.0028	0.0065	-0.0007	-0.0077
AT.	54	O	X	0.0239	-0.0235	0.0067	0.0096	-0.0140	-0.0174
			Y	-0.0071	0.0071	-0.0013	-0.0014	0.0042	0.0042
			Z	-0.0116	0.0116	0.0028	-0.0065	-0.0007	0.0077
AT.	55	O	X	-0.0239	-0.0235	-0.0067	-0.0096	-0.0140	-0.0174
			Y	-0.0071	-0.0071	-0.0013	-0.0014	-0.0042	-0.0042
			Z	0.0116	0.0116	-0.0028	0.0065	-0.0007	0.0077
AT.	56	O	X	0.0239	-0.0235	0.0067	-0.0096	0.0140	-0.0174
			Y	0.0071	-0.0071	0.0013	-0.0014	0.0042	-0.0042
			Z	0.0116	-0.0116	-0.0028	-0.0065	-0.0007	-0.0077
AT.	57	O	X	-0.0239	-0.0235	-0.0067	-0.0096	0.0140	0.0174
			Y	0.0071	0.0071	0.0013	0.0014	-0.0042	-0.0042
			Z	-0.0116	-0.0116	0.0028	-0.0065	-0.0007	0.0077
AT.	58	O	X	0.0239	-0.0235	0.0067	-0.0096	-0.0140	0.0174
			Y	-0.0071	0.0071	-0.0013	0.0014	0.0042	-0.0042
			Z	-0.0116	0.0116	0.0028	0.0065	-0.0007	-0.0077
AT.	59	O	X	-0.0239	-0.0235	-0.0067	0.0096	-0.0140	0.0174
			Y	-0.0071	-0.0071	-0.0013	0.0014	-0.0042	0.0042
			Z	0.0116	0.0116	-0.0028	-0.0065	-0.0007	-0.0077
AT.	60	O	X	0.0239	-0.0235	0.0067	0.0096	0.0140	0.0174
			Y	0.0071	-0.0071	0.0013	0.0014	0.0042	0.0042
			Z	0.0116	-0.0116	-0.0028	0.0065	-0.0007	0.0077
AT.	61	O	X	0.0231	0.0227	-0.0009	-0.0188	-0.0094	0.0191
			Y	-0.0023	-0.0028	-0.0060	-0.0032	0.0047	0.0007
			Z	0.0070	0.0069	0.0015	-0.0034	-0.0020	0.0058
AT.	62	O	X	-0.0231	0.0227	0.0009	-0.0188	0.0094	0.0191
			Y	0.0023	-0.0028	0.0060	-0.0032	-0.0047	0.0007
			Z	0.0070	-0.0069	0.0015	0.0034	-0.0020	-0.0058
AT.	63	O	X	0.0231	0.0227	-0.0009	0.0188	0.0094	0.0191
			Y	0.0023	0.0028	0.0060	-0.0032	0.0047	-0.0007
			Z	-0.0070	-0.0069	-0.0015	-0.0034	-0.0020	-0.0058
AT.	64	O	X	-0.0231	0.0227	0.0009	0.0188	-0.0094	0.0191
			Y	-0.0023	0.0028	-0.0060	-0.0032	-0.0047	-0.0007
			Z	-0.0070	0.0069	-0.0015	0.0034	-0.0020	0.0058
AT.	65	O	X	0.0231	0.0227	-0.0009	0.0188	-0.0094	-0.0191
			Y	-0.0023	-0.0028	-0.0060	0.0032	0.0047	-0.0007
			Z	0.0070	0.0069	0.0015	0.0034	-0.0020	-0.0058
AT.	66	O	X	-0.0231	0.0227	0.0009	0.0188	0.0094	-0.0191
			Y	0.0023	-0.0028	0.0060	0.0032	-0.0047	-0.0007
			Z	0.0070	-0.0069	0.0015	-0.0034	-0.0020	0.0058
AT.	67	O	X	0.0231	0.0227	-0.0009	-0.0188	0.0094	-0.0191

		Y	0.0023	0.0028	0.0060	0.0032	0.0047	0.0007
		Z	-0.0070	-0.0069	-0.0015	0.0034	-0.0020	0.0058
AT.	68 O	X	-0.0231	0.0227	0.0009	-0.0188	-0.0094	-0.0191
		Y	-0.0023	0.0028	-0.0060	0.0032	-0.0047	0.0007
		Z	-0.0070	0.0069	-0.0015	-0.0034	-0.0020	-0.0058
AT.	69 O	X	-0.0034	-0.0037	0.0046	0.0084	-0.0032	-0.0042
		Y	-0.0109	-0.0110	-0.0001	0.0040	0.0032	-0.0057
		Z	-0.0062	-0.0064	-0.0027	0.0016	0.0056	0.0000
AT.	70 O	X	0.0034	-0.0037	-0.0046	0.0084	0.0032	-0.0042
		Y	0.0109	-0.0110	0.0001	0.0040	-0.0032	-0.0057
		Z	-0.0062	0.0064	-0.0027	-0.0016	0.0056	0.0000
AT.	71 O	X	-0.0034	-0.0037	0.0046	-0.0084	0.0032	-0.0042
		Y	0.0109	0.0110	0.0001	0.0040	0.0032	0.0057
		Z	0.0062	0.0064	0.0027	0.0016	0.0056	0.0000
AT.	72 O	X	0.0034	-0.0037	-0.0046	-0.0084	-0.0032	-0.0042
		Y	-0.0109	0.0110	-0.0001	0.0040	-0.0032	0.0057
		Z	0.0062	-0.0064	0.0027	-0.0016	0.0056	0.0000
AT.	73 O	X	-0.0034	-0.0037	0.0046	-0.0084	-0.0032	0.0042
		Y	-0.0109	-0.0110	-0.0001	-0.0040	0.0032	0.0057
		Z	-0.0062	-0.0064	-0.0027	-0.0016	0.0056	0.0000
AT.	74 O	X	0.0034	-0.0037	-0.0046	-0.0084	0.0032	0.0042
		Y	0.0109	-0.0110	0.0001	-0.0040	-0.0032	0.0057
		Z	-0.0062	0.0064	-0.0027	0.0016	0.0056	0.0000
AT.	75 O	X	-0.0034	-0.0037	0.0046	0.0084	0.0032	0.0042
		Y	0.0109	0.0110	0.0001	-0.0040	0.0032	-0.0057
		Z	0.0062	0.0064	0.0027	-0.0016	0.0056	0.0000
AT.	76 O	X	0.0034	-0.0037	-0.0046	0.0084	-0.0032	0.0042
		Y	-0.0109	0.0110	-0.0001	-0.0040	-0.0032	-0.0057
		Z	0.0062	-0.0064	0.0027	0.0016	0.0056	0.0000
AT.	77 O	X	-0.0003	-0.0002	-0.0017	0.0005	-0.0005	0.0003
		Y	0.0148	0.0145	0.0034	-0.0063	-0.0088	0.0099
		Z	0.0148	0.0146	-0.0021	-0.0109	-0.0040	0.0080
AT.	78 O	X	0.0003	-0.0002	0.0017	0.0005	0.0005	0.0003
		Y	-0.0148	0.0145	-0.0034	-0.0063	0.0088	0.0099
		Z	0.0148	-0.0146	-0.0021	0.0109	-0.0040	-0.0080
AT.	79 O	X	-0.0003	-0.0002	-0.0017	-0.0005	0.0005	0.0003
		Y	-0.0148	-0.0145	-0.0034	-0.0063	-0.0088	-0.0099
		Z	-0.0148	-0.0146	0.0021	-0.0109	-0.0040	-0.0080
AT.	80 O	X	0.0003	-0.0002	0.0017	-0.0005	-0.0005	0.0003
		Y	0.0148	-0.0145	0.0034	-0.0063	0.0088	-0.0099
		Z	-0.0148	0.0146	0.0021	0.0109	-0.0040	0.0080
AT.	81 O	X	-0.0003	-0.0002	-0.0017	-0.0005	-0.0005	-0.0003
		Y	0.0148	0.0145	0.0034	0.0063	-0.0088	-0.0099
		Z	0.0148	0.0146	-0.0021	0.0109	-0.0040	-0.0080
AT.	82 O	X	0.0003	-0.0002	0.0017	-0.0005	0.0005	-0.0003
		Y	-0.0148	0.0145	-0.0034	0.0063	0.0088	-0.0099
		Z	0.0148	-0.0146	-0.0021	-0.0109	-0.0040	0.0080
AT.	83 O	X	-0.0003	-0.0002	-0.0017	0.0005	0.0005	-0.0003
		Y	-0.0148	-0.0145	-0.0034	0.0063	-0.0088	0.0099
		Z	-0.0148	-0.0146	0.0021	0.0109	-0.0040	0.0080
AT.	84 O	X	0.0003	-0.0002	0.0017	0.0005	-0.0005	-0.0003
		Y	0.0148	-0.0145	0.0034	0.0063	0.0088	0.0099
		Z	-0.0148	0.0146	0.0021	-0.0109	-0.0040	-0.0080
AT.	85 O	X	0.0038	0.0038	0.0097	0.0037	0.0088	-0.0021
		Y	0.0006	-0.0022	-0.0096	-0.0070	0.0133	-0.0109
		Z	0.0028	0.0048	0.0071	0.0034	-0.0122	0.0139
AT.	86 O	X	-0.0038	0.0038	-0.0097	0.0037	-0.0088	-0.0021
		Y	-0.0006	-0.0022	0.0096	-0.0070	-0.0133	-0.0109
		Z	0.0028	-0.0048	0.0071	-0.0034	-0.0122	-0.0139
AT.	87 O	X	0.0038	0.0038	0.0097	-0.0037	-0.0088	-0.0021
		Y	-0.0006	0.0022	0.0096	-0.0070	0.0133	0.0109

	Z	-0.0028	-0.0048	-0.0071	0.0034	-0.0122	-0.0139
AT. 88 O	X	-0.0038	0.0038	-0.0097	-0.0037	0.0088	-0.0021
	Y	0.0006	0.0022	-0.0096	-0.0070	-0.0133	0.0109
	Z	-0.0028	0.0048	-0.0071	-0.0034	-0.0122	0.0139
AT. 89 O	X	0.0038	0.0038	0.0097	-0.0037	0.0088	0.0021
	Y	0.0006	-0.0022	-0.0096	0.0070	0.0133	0.0109
	Z	0.0028	0.0048	0.0071	-0.0034	-0.0122	-0.0139
AT. 90 O	X	-0.0038	0.0038	-0.0097	-0.0037	-0.0088	0.0021
	Y	-0.0006	-0.0022	0.0096	0.0070	-0.0133	0.0109
	Z	0.0028	-0.0048	0.0071	0.0034	-0.0122	0.0139
AT. 91 O	X	0.0038	0.0038	0.0097	0.0037	-0.0088	0.0021
	Y	-0.0006	0.0022	0.0096	0.0070	0.0133	-0.0109
	Z	-0.0028	-0.0048	-0.0071	-0.0034	-0.0122	0.0139
AT. 92 O	X	-0.0038	0.0038	-0.0097	0.0037	0.0088	0.0021
	Y	0.0006	0.0022	-0.0096	0.0070	-0.0133	-0.0109
	Z	-0.0028	0.0048	-0.0071	0.0034	-0.0122	-0.0139
AT. 93 O	X	0.0008	-0.0028	-0.0181	-0.0141	0.0036	-0.0109
	Y	0.0010	0.0020	-0.0001	-0.0012	-0.0114	0.0105
	Z	-0.0062	-0.0042	0.0133	0.0133	-0.0009	-0.0006
AT. 94 O	X	-0.0008	-0.0028	0.0181	-0.0141	-0.0036	-0.0109
	Y	-0.0010	0.0020	0.0001	-0.0012	0.0114	0.0105
	Z	-0.0062	0.0042	0.0133	-0.0133	-0.0009	0.0006
AT. 95 O	X	0.0008	-0.0028	-0.0181	0.0141	-0.0036	-0.0109
	Y	-0.0010	-0.0020	0.0001	-0.0012	-0.0114	-0.0105
	Z	0.0062	0.0042	-0.0133	0.0133	-0.0009	0.0006
AT. 96 O	X	-0.0008	-0.0028	0.0181	0.0141	0.0036	-0.0109
	Y	0.0010	-0.0020	-0.0001	-0.0012	0.0114	-0.0105
	Z	0.0062	-0.0042	-0.0133	-0.0133	-0.0009	-0.0006
AT. 97 O	X	0.0008	-0.0028	-0.0181	0.0141	0.0036	0.0109
	Y	0.0010	0.0020	-0.0001	0.0012	-0.0114	-0.0105
	Z	-0.0062	-0.0042	0.0133	-0.0133	-0.0009	0.0006
AT. 98 O	X	-0.0008	-0.0028	0.0181	0.0141	-0.0036	0.0109
	Y	-0.0010	0.0020	0.0001	0.0012	0.0114	-0.0105
	Z	-0.0062	0.0042	0.0133	0.0133	-0.0009	-0.0006
AT. 99 O	X	0.0008	-0.0028	-0.0181	-0.0141	-0.0036	0.0109
	Y	-0.0010	-0.0020	0.0001	0.0012	-0.0114	0.0105
	Z	0.0062	0.0042	-0.0133	-0.0133	-0.0009	-0.0006
AT. 100 O	X	-0.0008	-0.0028	0.0181	-0.0141	0.0036	0.0109
	Y	0.0010	-0.0020	-0.0001	0.0012	0.0114	0.0105
	Z	0.0062	-0.0042	-0.0133	0.0133	-0.0009	0.0006
AT. 101 O	X	-0.0035	0.0004	0.0092	0.0100	-0.0128	0.0104
	Y	-0.0005	-0.0026	-0.0136	-0.0101	-0.0050	-0.0026
	Z	0.0002	-0.0031	-0.0112	-0.0072	0.0028	-0.0035
AT. 102 O	X	0.0035	0.0004	-0.0092	0.0100	0.0128	0.0104
	Y	0.0005	-0.0026	0.0136	-0.0101	0.0050	-0.0026
	Z	0.0002	0.0031	-0.0112	0.0072	0.0028	0.0035
AT. 103 O	X	-0.0035	0.0004	0.0092	-0.0100	0.0128	0.0104
	Y	0.0005	0.0026	0.0136	-0.0101	-0.0050	0.0026
	Z	-0.0002	0.0031	0.0112	-0.0072	0.0028	0.0035
AT. 104 O	X	0.0035	0.0004	-0.0092	-0.0100	-0.0128	0.0104
	Y	-0.0005	0.0026	-0.0136	-0.0101	0.0050	0.0026
	Z	-0.0002	-0.0031	0.0112	0.0072	0.0028	-0.0035
AT. 105 O	X	-0.0035	0.0004	0.0092	-0.0100	-0.0128	-0.0104
	Y	-0.0005	-0.0026	-0.0136	0.0101	-0.0050	0.0026
	Z	0.0002	-0.0031	-0.0112	0.0072	0.0028	0.0035
AT. 106 O	X	0.0035	0.0004	-0.0092	-0.0100	0.0128	-0.0104
	Y	0.0005	-0.0026	0.0136	0.0101	0.0050	0.0026
	Z	0.0002	0.0031	-0.0112	-0.0072	0.0028	-0.0035
AT. 107 O	X	-0.0035	0.0004	0.0092	0.0100	0.0128	-0.0104
	Y	0.0005	0.0026	0.0136	0.0101	-0.0050	-0.0026
	Z	-0.0002	0.0031	0.0112	0.0072	0.0028	-0.0035

AT. 108 O	X	0.0035	0.0004	-0.0092	0.0100	-0.0128	-0.0104
	Y	-0.0005	0.0026	-0.0136	0.0101	0.0050	-0.0026
	Z	-0.0002	-0.0031	0.0112	-0.0072	0.0028	0.0035
AT. 109 O	X	-0.0009	-0.0009	-0.0018	-0.0006	-0.0032	0.0022
	Y	0.0006	0.0024	0.0152	0.0114	0.0095	-0.0016
	Z	0.0004	0.0000	0.0023	0.0002	0.0091	-0.0083
AT. 110 O	X	0.0009	-0.0009	0.0018	-0.0006	0.0032	0.0022
	Y	-0.0006	0.0024	-0.0152	0.0114	-0.0095	-0.0016
	Z	0.0004	0.0000	0.0023	-0.0002	0.0091	0.0083
AT. 111 O	X	-0.0009	-0.0009	-0.0018	0.0006	0.0032	0.0022
	Y	-0.0006	-0.0024	-0.0152	0.0114	0.0095	0.0016
	Z	-0.0004	0.0000	-0.0023	0.0002	0.0091	0.0083
AT. 112 O	X	0.0009	-0.0009	0.0018	0.0006	-0.0032	0.0022
	Y	0.0006	-0.0024	0.0152	0.0114	-0.0095	0.0016
	Z	-0.0004	0.0000	-0.0023	-0.0002	0.0091	-0.0083
AT. 113 O	X	-0.0009	-0.0009	-0.0018	0.0006	-0.0032	-0.0022
	Y	0.0006	0.0024	0.0152	-0.0114	0.0095	0.0016
	Z	0.0004	0.0000	0.0023	-0.0002	0.0091	0.0083
AT. 114 O	X	0.0009	-0.0009	0.0018	0.0006	0.0032	-0.0022
	Y	-0.0006	0.0024	-0.0152	-0.0114	-0.0095	0.0016
	Z	0.0004	0.0000	0.0023	0.0002	0.0091	-0.0083
AT. 115 O	X	-0.0009	-0.0009	-0.0018	-0.0006	0.0032	-0.0022
	Y	-0.0006	-0.0024	-0.0152	-0.0114	0.0095	-0.0016
	Z	-0.0004	0.0000	-0.0023	-0.0002	0.0091	-0.0083
AT. 116 O	X	0.0009	-0.0009	0.0018	-0.0006	-0.0032	-0.0022
	Y	0.0006	-0.0024	0.0152	-0.0114	-0.0095	-0.0016
	Z	-0.0004	0.0000	-0.0023	0.0002	0.0091	0.0083
AT. 117 O	X	-0.0004	0.0039	-0.0017	-0.0015	0.0143	-0.0089
	Y	-0.0016	-0.0050	0.0171	0.0140	0.0054	-0.0058
	Z	-0.0020	0.0017	-0.0027	-0.0005	-0.0059	0.0012
AT. 118 O	X	0.0004	0.0039	0.0017	-0.0015	-0.0143	-0.0089
	Y	0.0016	-0.0050	-0.0171	0.0140	-0.0054	-0.0058
	Z	-0.0020	-0.0017	-0.0027	0.0005	-0.0059	-0.0012
AT. 119 O	X	-0.0004	0.0039	-0.0017	0.0015	-0.0143	-0.0089
	Y	0.0016	0.0050	-0.0171	0.0140	0.0054	0.0058
	Z	0.0020	-0.0017	0.0027	-0.0005	-0.0059	-0.0012
AT. 120 O	X	0.0004	0.0039	0.0017	0.0015	0.0143	-0.0089
	Y	-0.0016	0.0050	0.0171	0.0140	-0.0054	0.0058
	Z	0.0020	0.0017	0.0027	0.0005	-0.0059	0.0012
AT. 121 O	X	-0.0004	0.0039	-0.0017	0.0015	0.0143	0.0089
	Y	-0.0016	-0.0050	0.0171	-0.0140	0.0054	0.0058
	Z	-0.0020	0.0017	-0.0027	0.0005	-0.0059	-0.0012
AT. 122 O	X	0.0004	0.0039	0.0017	0.0015	-0.0143	0.0089
	Y	0.0016	-0.0050	-0.0171	-0.0140	-0.0054	0.0058
	Z	-0.0020	-0.0017	-0.0027	-0.0005	-0.0059	0.0012
AT. 123 O	X	-0.0004	0.0039	-0.0017	-0.0015	-0.0143	0.0089
	Y	0.0016	0.0050	-0.0171	-0.0140	0.0054	-0.0058
	Z	0.0020	-0.0017	0.0027	0.0005	-0.0059	0.0012
AT. 124 O	X	0.0004	0.0039	0.0017	-0.0015	0.0143	0.0089
	Y	-0.0016	0.0050	0.0171	-0.0140	-0.0054	-0.0058
	Z	0.0020	0.0017	0.0027	-0.0005	-0.0059	-0.0012

FREQ(CM**-1)	432.38	434.56	435.26	437.11	437.19	439.04

AT. 1 SI	X	0.0015	-0.0015	0.0003	0.0008	-0.0003	0.0012
	Y	-0.0008	-0.0021	0.0022	-0.0018	0.0017	-0.0012
	Z	-0.0048	0.0021	-0.0016	0.0014	-0.0026	0.0001
AT. 2 SI	X	0.0015	0.0015	0.0003	-0.0008	0.0003	0.0012
	Y	-0.0008	0.0021	0.0022	0.0018	-0.0017	-0.0012
	Z	0.0048	0.0021	0.0016	0.0014	-0.0026	-0.0001
AT. 3 SI	X	0.0015	0.0015	0.0003	-0.0008	-0.0003	-0.0012

		Y	0.0008	-0.0021	-0.0022	-0.0018	-0.0017	-0.0012
		Z	0.0048	0.0021	0.0016	0.0014	0.0026	0.0001
AT.	4	SI X	0.0015	-0.0015	0.0003	0.0008	0.0003	-0.0012
		Y	0.0008	0.0021	-0.0022	0.0018	0.0017	-0.0012
		Z	-0.0048	0.0021	-0.0016	0.0014	0.0026	-0.0001
AT.	5	SI X	0.0015	0.0015	-0.0003	0.0008	0.0003	0.0012
		Y	-0.0008	0.0021	-0.0022	-0.0018	-0.0017	-0.0012
		Z	-0.0048	-0.0021	0.0016	0.0014	0.0026	0.0001
AT.	6	SI X	0.0015	-0.0015	-0.0003	-0.0008	-0.0003	0.0012
		Y	-0.0008	-0.0021	-0.0022	0.0018	0.0017	-0.0012
		Z	0.0048	-0.0021	-0.0016	0.0014	0.0026	-0.0001
AT.	7	SI X	0.0015	-0.0015	-0.0003	-0.0008	0.0003	-0.0012
		Y	0.0008	0.0021	0.0022	-0.0018	0.0017	-0.0012
		Z	0.0048	-0.0021	-0.0016	0.0014	-0.0026	0.0001
AT.	8	SI X	0.0015	0.0015	-0.0003	0.0008	-0.0003	-0.0012
		Y	0.0008	-0.0021	0.0022	0.0018	-0.0017	-0.0012
		Z	-0.0048	-0.0021	0.0016	0.0014	-0.0026	-0.0001
AT.	9	SI X	0.0021	-0.0028	0.0013	0.0005	-0.0003	0.0006
		Y	0.0097	-0.0083	0.0096	-0.0060	0.0060	-0.0049
		Z	0.0013	-0.0024	0.0011	0.0032	-0.0032	0.0029
AT.	10	SI X	0.0021	0.0028	0.0013	-0.0005	0.0003	0.0006
		Y	0.0097	0.0083	0.0096	0.0060	-0.0060	-0.0049
		Z	-0.0013	-0.0024	-0.0011	0.0032	-0.0032	-0.0029
AT.	11	SI X	0.0021	0.0028	0.0013	-0.0005	-0.0003	-0.0006
		Y	-0.0097	-0.0083	-0.0096	-0.0060	-0.0060	-0.0049
		Z	-0.0013	-0.0024	-0.0011	0.0032	0.0032	0.0029
AT.	12	SI X	0.0021	-0.0028	0.0013	0.0005	0.0003	-0.0006
		Y	-0.0097	0.0083	-0.0096	0.0060	0.0060	-0.0049
		Z	0.0013	-0.0024	0.0011	0.0032	0.0032	-0.0029
AT.	13	SI X	0.0021	0.0028	-0.0013	0.0005	0.0003	0.0006
		Y	0.0097	0.0083	-0.0096	-0.0060	-0.0060	-0.0049
		Z	0.0013	0.0024	-0.0011	0.0032	0.0032	0.0029
AT.	14	SI X	0.0021	-0.0028	-0.0013	-0.0005	-0.0003	0.0006
		Y	0.0097	-0.0083	-0.0096	0.0060	0.0060	-0.0049
		Z	-0.0013	0.0024	0.0011	0.0032	0.0032	-0.0029
AT.	15	SI X	0.0021	-0.0028	-0.0013	-0.0005	0.0003	-0.0006
		Y	-0.0097	0.0083	0.0096	-0.0060	0.0060	-0.0049
		Z	-0.0013	0.0024	0.0011	0.0032	-0.0032	0.0029
AT.	16	SI X	0.0021	0.0028	-0.0013	0.0005	-0.0003	-0.0006
		Y	-0.0097	-0.0083	0.0096	0.0060	-0.0060	-0.0049
		Z	0.0013	0.0024	-0.0011	0.0032	-0.0032	-0.0029
AT.	17	SI X	0.0044	-0.0030	0.0064	-0.0066	0.0000	0.0000
		Y	0.0000	0.0000	0.0000	0.0000	-0.0017	0.0011
		Z	-0.0196	0.0201	-0.0107	0.0056	0.0000	0.0000
AT.	18	SI X	0.0044	0.0030	0.0064	0.0066	0.0000	0.0000
		Y	0.0000	0.0000	0.0000	0.0000	0.0017	0.0011
		Z	0.0196	0.0201	0.0107	0.0056	0.0000	0.0000
AT.	19	SI X	0.0044	0.0030	-0.0064	-0.0066	0.0000	0.0000
		Y	0.0000	0.0000	0.0000	0.0000	0.0017	0.0011
		Z	-0.0196	-0.0201	0.0107	0.0056	0.0000	0.0000
AT.	20	SI X	0.0044	-0.0030	-0.0064	0.0066	0.0000	0.0000
		Y	0.0000	0.0000	0.0000	0.0000	-0.0017	0.0011
		Z	0.0196	-0.0201	-0.0107	0.0056	0.0000	0.0000
AT.	21	CA X	0.0004	-0.0009	0.0000	0.0010	-0.0005	0.0012
		Y	0.0011	-0.0024	0.0001	0.0001	0.0004	0.0002
		Z	0.0007	0.0019	-0.0006	-0.0008	0.0009	-0.0009
AT.	22	CA X	0.0004	0.0009	0.0000	-0.0010	0.0005	0.0012
		Y	0.0011	0.0024	0.0001	-0.0001	-0.0004	0.0002
		Z	-0.0007	0.0019	0.0006	-0.0008	0.0009	0.0009
AT.	23	CA X	0.0004	0.0009	0.0000	-0.0010	-0.0005	-0.0012
		Y	-0.0011	-0.0024	-0.0001	0.0001	-0.0004	0.0002

	Z	-0.0007	0.0019	0.0006	-0.0008	-0.0009	-0.0009
AT. 24 CA	X	0.0004	-0.0009	0.0000	0.0010	0.0005	-0.0012
	Y	-0.0011	0.0024	-0.0001	-0.0001	0.0004	0.0002
	Z	0.0007	0.0019	-0.0006	-0.0008	-0.0009	0.0009
AT. 25 CA	X	0.0004	0.0009	0.0000	0.0010	0.0005	0.0012
	Y	0.0011	0.0024	-0.0001	0.0001	-0.0004	0.0002
	Z	0.0007	-0.0019	0.0006	-0.0008	-0.0009	-0.0009
AT. 26 CA	X	0.0004	-0.0009	0.0000	-0.0010	-0.0005	0.0012
	Y	0.0011	-0.0024	-0.0001	-0.0001	0.0004	0.0002
	Z	-0.0007	-0.0019	-0.0006	-0.0008	-0.0009	0.0009
AT. 27 CA	X	0.0004	-0.0009	0.0000	-0.0010	0.0005	-0.0012
	Y	-0.0011	0.0024	0.0001	0.0001	0.0004	0.0002
	Z	-0.0007	-0.0019	-0.0006	-0.0008	0.0009	-0.0009
AT. 28 CA	X	0.0004	0.0009	0.0000	0.0010	-0.0005	-0.0012
	Y	-0.0011	-0.0024	0.0001	-0.0001	-0.0004	0.0002
	Z	0.0007	-0.0019	0.0006	-0.0008	0.0009	0.0009
AT. 29 CA	X	0.0002	0.0000	0.0000	0.0036	0.0000	0.0036
	Y	0.0022	0.0000	0.0000	-0.0019	0.0000	-0.0017
	Z	0.0009	0.0000	0.0000	0.0052	0.0000	0.0052
AT. 30 CA	X	0.0002	0.0000	0.0000	-0.0036	0.0000	0.0036
	Y	0.0022	0.0000	0.0000	0.0019	0.0000	-0.0017
	Z	-0.0009	0.0000	0.0000	0.0052	0.0000	-0.0052
AT. 31 CA	X	0.0002	0.0000	0.0000	-0.0036	0.0000	-0.0036
	Y	-0.0022	0.0000	0.0000	-0.0019	0.0000	-0.0017
	Z	-0.0009	0.0000	0.0000	0.0052	0.0000	0.0052
AT. 32 CA	X	0.0002	0.0000	0.0000	0.0036	0.0000	-0.0036
	Y	-0.0022	0.0000	0.0000	0.0019	0.0000	-0.0017
	Z	0.0009	0.0000	0.0000	0.0052	0.0000	-0.0052
AT. 33 CA	X	-0.0021	0.0012	-0.0024	0.0027	-0.0028	0.0026
	Y	0.0005	-0.0019	0.0009	-0.0009	0.0008	-0.0011
	Z	0.0016	-0.0007	0.0035	-0.0043	0.0041	-0.0041
AT. 34 CA	X	-0.0021	-0.0012	-0.0024	-0.0027	0.0028	0.0026
	Y	0.0005	0.0019	0.0009	0.0009	-0.0008	-0.0011
	Z	-0.0016	-0.0007	-0.0035	-0.0043	0.0041	0.0041
AT. 35 CA	X	-0.0021	-0.0012	-0.0024	-0.0027	-0.0028	-0.0026
	Y	-0.0005	-0.0019	-0.0009	-0.0009	-0.0008	-0.0011
	Z	-0.0016	-0.0007	-0.0035	-0.0043	-0.0041	-0.0041
AT. 36 CA	X	-0.0021	0.0012	-0.0024	0.0027	0.0028	-0.0026
	Y	-0.0005	0.0019	-0.0009	0.0009	0.0008	-0.0011
	Z	0.0016	-0.0007	0.0035	-0.0043	-0.0041	0.0041
AT. 37 CA	X	-0.0021	-0.0012	0.0024	0.0027	0.0028	0.0026
	Y	0.0005	0.0019	-0.0009	-0.0009	-0.0008	-0.0011
	Z	0.0016	0.0007	-0.0035	-0.0043	-0.0041	-0.0041
AT. 38 CA	X	-0.0021	0.0012	0.0024	-0.0027	-0.0028	0.0026
	Y	0.0005	-0.0019	-0.0009	0.0009	0.0008	-0.0011
	Z	-0.0016	0.0007	0.0035	-0.0043	-0.0041	0.0041
AT. 39 CA	X	-0.0021	0.0012	0.0024	-0.0027	0.0028	-0.0026
	Y	-0.0005	0.0019	0.0009	-0.0009	0.0008	-0.0011
	Z	-0.0016	0.0007	0.0035	-0.0043	0.0041	-0.0041
AT. 40 CA	X	-0.0021	-0.0012	0.0024	0.0027	-0.0028	-0.0026
	Y	-0.0005	-0.0019	0.0009	0.0009	-0.0008	-0.0011
	Z	0.0016	0.0007	-0.0035	-0.0043	0.0041	0.0041
AT. 41 CA	X	0.0005	-0.0011	0.0014	-0.0009	0.0014	-0.0006
	Y	-0.0032	0.0031	-0.0018	0.0009	0.0002	0.0002
	Z	-0.0023	0.0033	0.0026	-0.0020	0.0023	-0.0013
AT. 42 CA	X	0.0005	0.0011	0.0014	0.0009	-0.0014	-0.0006
	Y	-0.0032	-0.0031	-0.0018	-0.0009	-0.0002	0.0002
	Z	0.0023	0.0033	-0.0026	-0.0020	0.0023	0.0013
AT. 43 CA	X	0.0005	0.0011	0.0014	0.0009	0.0014	0.0006
	Y	0.0032	0.0031	0.0018	0.0009	-0.0002	0.0002
	Z	0.0023	0.0033	-0.0026	-0.0020	-0.0023	-0.0013

AT.	44	CA	X	0.0005	-0.0011	0.0014	-0.0009	-0.0014	0.0006
			Y	0.0032	-0.0031	0.0018	-0.0009	0.0002	0.0002
			Z	-0.0023	0.0033	0.0026	-0.0020	-0.0023	0.0013
AT.	45	CA	X	0.0005	0.0011	-0.0014	-0.0009	-0.0014	-0.0006
			Y	-0.0032	-0.0031	0.0018	0.0009	-0.0002	0.0002
			Z	-0.0023	-0.0033	-0.0026	-0.0020	-0.0023	-0.0013
AT.	46	CA	X	0.0005	-0.0011	-0.0014	0.0009	0.0014	-0.0006
			Y	-0.0032	0.0031	0.0018	-0.0009	0.0002	0.0002
			Z	0.0023	-0.0033	0.0026	-0.0020	-0.0023	0.0013
AT.	47	CA	X	0.0005	-0.0011	-0.0014	0.0009	-0.0014	0.0006
			Y	0.0032	-0.0031	-0.0018	0.0009	0.0002	0.0002
			Z	0.0023	-0.0033	0.0026	-0.0020	0.0023	-0.0013
AT.	48	CA	X	0.0005	0.0011	-0.0014	-0.0009	0.0014	0.0006
			Y	0.0032	0.0031	-0.0018	-0.0009	-0.0002	0.0002
			Z	-0.0023	-0.0033	-0.0026	-0.0020	0.0023	0.0013
AT.	49	CA	X	-0.0007	0.0008	-0.0013	0.0007	0.0000	0.0000
			Y	0.0000	0.0000	0.0000	0.0000	0.0029	-0.0026
			Z	-0.0023	0.0022	-0.0058	0.0033	0.0000	0.0000
AT.	50	CA	X	-0.0007	-0.0008	-0.0013	-0.0007	0.0000	0.0000
			Y	0.0000	0.0000	0.0000	0.0000	-0.0029	-0.0026
			Z	0.0023	0.0022	0.0058	0.0033	0.0000	0.0000
AT.	51	CA	X	-0.0007	-0.0008	0.0013	0.0007	0.0000	0.0000
			Y	0.0000	0.0000	0.0000	0.0000	-0.0029	-0.0026
			Z	-0.0023	-0.0022	0.0058	0.0033	0.0000	0.0000
AT.	52	CA	X	-0.0007	0.0008	0.0013	-0.0007	0.0000	0.0000
			Y	0.0000	0.0000	0.0000	0.0000	0.0029	-0.0026
			Z	0.0023	-0.0022	-0.0058	0.0033	0.0000	0.0000
AT.	53	O	X	0.0027	-0.0049	0.0137	-0.0250	0.0187	-0.0244
			Y	0.0008	-0.0030	-0.0010	0.0040	-0.0030	0.0044
			Z	0.0039	-0.0048	0.0069	-0.0043	0.0086	-0.0041
AT.	54	O	X	0.0027	0.0049	0.0137	0.0250	-0.0187	-0.0244
			Y	0.0008	0.0030	-0.0010	-0.0040	0.0030	0.0044
			Z	-0.0039	-0.0048	-0.0069	-0.0043	0.0086	0.0041
AT.	55	O	X	0.0027	0.0049	0.0137	0.0250	0.0187	0.0244
			Y	-0.0008	-0.0030	0.0010	0.0040	0.0030	0.0044
			Z	-0.0039	-0.0048	-0.0069	-0.0043	-0.0086	-0.0041
AT.	56	O	X	0.0027	-0.0049	0.0137	-0.0250	-0.0187	0.0244
			Y	-0.0008	0.0030	0.0010	-0.0040	-0.0030	0.0044
			Z	0.0039	-0.0048	0.0069	-0.0043	-0.0086	0.0041
AT.	57	O	X	0.0027	0.0049	-0.0137	-0.0250	-0.0187	-0.0244
			Y	0.0008	0.0030	0.0010	0.0040	0.0030	0.0044
			Z	0.0039	0.0048	-0.0069	-0.0043	-0.0086	-0.0041
AT.	58	O	X	0.0027	-0.0049	-0.0137	0.0250	0.0187	-0.0244
			Y	0.0008	-0.0030	0.0010	-0.0040	-0.0030	0.0044
			Z	-0.0039	0.0048	0.0069	-0.0043	-0.0086	0.0041
AT.	59	O	X	0.0027	-0.0049	-0.0137	0.0250	-0.0187	0.0244
			Y	-0.0008	0.0030	-0.0010	0.0040	-0.0030	0.0044
			Z	-0.0039	0.0048	0.0069	-0.0043	0.0086	-0.0041
AT.	60	O	X	0.0027	0.0049	-0.0137	-0.0250	0.0187	0.0244
			Y	-0.0008	-0.0030	-0.0010	-0.0040	0.0030	0.0044
			Z	0.0039	0.0048	-0.0069	-0.0043	0.0086	0.0041
AT.	61	O	X	0.0036	0.0046	-0.0120	0.0117	-0.0184	0.0137
			Y	-0.0022	0.0026	-0.0001	-0.0040	-0.0001	-0.0047
			Z	-0.0023	0.0005	-0.0045	0.0051	-0.0060	0.0048
AT.	62	O	X	0.0036	-0.0046	-0.0120	-0.0117	0.0184	0.0137
			Y	-0.0022	-0.0026	-0.0001	0.0040	0.0001	-0.0047
			Z	0.0023	0.0005	0.0045	0.0051	-0.0060	-0.0048
AT.	63	O	X	0.0036	-0.0046	-0.0120	-0.0117	-0.0184	-0.0137
			Y	0.0022	0.0026	0.0001	-0.0040	0.0001	-0.0047
			Z	0.0023	0.0005	0.0045	0.0051	0.0060	0.0048
AT.	64	O	X	0.0036	0.0046	-0.0120	0.0117	0.0184	-0.0137

	Y	0.0022	-0.0026	0.0001	0.0040	-0.0001	-0.0047
	Z	-0.0023	0.0005	-0.0045	0.0051	0.0060	-0.0048
AT. 65 O	X	0.0036	-0.0046	0.0120	0.0117	0.0184	0.0137
	Y	-0.0022	-0.0026	0.0001	-0.0040	0.0001	-0.0047
	Z	-0.0023	-0.0005	0.0045	0.0051	0.0060	0.0048
AT. 66 O	X	0.0036	0.0046	0.0120	-0.0117	-0.0184	0.0137
	Y	-0.0022	0.0026	0.0001	0.0040	-0.0001	-0.0047
	Z	0.0023	-0.0005	-0.0045	0.0051	0.0060	-0.0048
AT. 67 O	X	0.0036	0.0046	0.0120	-0.0117	0.0184	-0.0137
	Y	0.0022	-0.0026	-0.0001	-0.0040	-0.0001	-0.0047
	Z	0.0023	-0.0005	-0.0045	0.0051	-0.0060	0.0048
AT. 68 O	X	0.0036	-0.0046	0.0120	0.0117	-0.0184	-0.0137
	Y	0.0022	0.0026	-0.0001	0.0040	0.0001	-0.0047
	Z	-0.0023	-0.0005	0.0045	0.0051	-0.0060	-0.0048
AT. 69 O	X	-0.0061	0.0002	0.0012	0.0082	0.0036	0.0056
	Y	0.0012	-0.0005	0.0028	-0.0063	0.0048	-0.0062
	Z	-0.0009	0.0003	-0.0015	-0.0023	-0.0018	-0.0025
AT. 70 O	X	-0.0061	-0.0002	0.0012	-0.0082	-0.0036	0.0056
	Y	0.0012	0.0005	0.0028	0.0063	-0.0048	-0.0062
	Z	0.0009	0.0003	0.0015	-0.0023	-0.0018	0.0025
AT. 71 O	X	-0.0061	-0.0002	0.0012	-0.0082	0.0036	-0.0056
	Y	-0.0012	-0.0005	-0.0028	-0.0063	-0.0048	-0.0062
	Z	0.0009	0.0003	0.0015	-0.0023	0.0018	-0.0025
AT. 72 O	X	-0.0061	0.0002	0.0012	0.0082	-0.0036	-0.0056
	Y	-0.0012	0.0005	-0.0028	0.0063	0.0048	-0.0062
	Z	-0.0009	0.0003	-0.0015	-0.0023	0.0018	0.0025
AT. 73 O	X	-0.0061	-0.0002	-0.0012	0.0082	-0.0036	0.0056
	Y	0.0012	0.0005	-0.0028	-0.0063	-0.0048	-0.0062
	Z	-0.0009	-0.0003	0.0015	-0.0023	0.0018	-0.0025
AT. 74 O	X	-0.0061	0.0002	-0.0012	-0.0082	0.0036	0.0056
	Y	0.0012	-0.0005	-0.0028	0.0063	0.0048	-0.0062
	Z	0.0009	-0.0003	-0.0015	-0.0023	0.0018	0.0025
AT. 75 O	X	-0.0061	0.0002	-0.0012	-0.0082	-0.0036	-0.0056
	Y	-0.0012	0.0005	0.0028	-0.0063	0.0048	-0.0062
	Z	0.0009	-0.0003	-0.0015	-0.0023	-0.0018	-0.0025
AT. 76 O	X	-0.0061	-0.0002	-0.0012	0.0082	0.0036	-0.0056
	Y	-0.0012	-0.0005	0.0028	0.0063	-0.0048	-0.0062
	Z	-0.0009	-0.0003	0.0015	-0.0023	-0.0018	0.0025
AT. 77 O	X	0.0017	-0.0018	0.0007	0.0007	-0.0002	0.0012
	Y	-0.0006	0.0034	-0.0067	0.0133	-0.0097	0.0132
	Z	0.0041	0.0035	-0.0040	0.0018	-0.0065	0.0037
AT. 78 O	X	0.0017	0.0018	0.0007	-0.0007	0.0002	0.0012
	Y	-0.0006	-0.0034	-0.0067	-0.0133	0.0097	0.0132
	Z	-0.0041	0.0035	0.0040	0.0018	-0.0065	-0.0037
AT. 79 O	X	0.0017	0.0018	0.0007	-0.0007	-0.0002	-0.0012
	Y	0.0006	0.0034	0.0067	0.0133	0.0097	0.0132
	Z	-0.0041	0.0035	0.0040	0.0018	0.0065	0.0037
AT. 80 O	X	0.0017	-0.0018	0.0007	0.0007	0.0002	-0.0012
	Y	0.0006	-0.0034	0.0067	-0.0133	-0.0097	0.0132
	Z	0.0041	0.0035	-0.0040	0.0018	0.0065	-0.0037
AT. 81 O	X	0.0017	0.0018	-0.0007	0.0007	0.0002	0.0012
	Y	-0.0006	-0.0034	0.0067	0.0133	0.0097	0.0132
	Z	0.0041	-0.0035	0.0040	0.0018	0.0065	0.0037
AT. 82 O	X	0.0017	-0.0018	-0.0007	-0.0007	-0.0002	0.0012
	Y	-0.0006	0.0034	0.0067	-0.0133	-0.0097	0.0132
	Z	-0.0041	-0.0035	-0.0040	0.0018	0.0065	-0.0037
AT. 83 O	X	0.0017	-0.0018	-0.0007	-0.0007	0.0002	-0.0012
	Y	0.0006	-0.0034	-0.0067	0.0133	-0.0097	0.0132
	Z	-0.0041	-0.0035	-0.0040	0.0018	-0.0065	0.0037
AT. 84 O	X	0.0017	0.0018	-0.0007	0.0007	-0.0002	-0.0012
	Y	0.0006	0.0034	-0.0067	-0.0133	0.0097	0.0132

		Z	0.0041	-0.0035	0.0040	0.0018	-0.0065	-0.0037
AT.	85 O	X	-0.0157	0.0160	-0.0170	0.0123	-0.0123	0.0110
		Y	-0.0116	0.0123	-0.0068	0.0013	0.0029	-0.0037
		Z	0.0075	-0.0084	0.0038	0.0023	-0.0057	0.0054
AT.	86 O	X	-0.0157	-0.0160	-0.0170	-0.0123	0.0123	0.0110
		Y	-0.0116	-0.0123	-0.0068	-0.0013	-0.0029	-0.0037
		Z	-0.0075	-0.0084	-0.0038	0.0023	-0.0057	-0.0054
AT.	87 O	X	-0.0157	-0.0160	-0.0170	-0.0123	-0.0123	-0.0110
		Y	0.0116	0.0123	0.0068	0.0013	-0.0029	-0.0037
		Z	-0.0075	-0.0084	-0.0038	0.0023	0.0057	0.0054
AT.	88 O	X	-0.0157	0.0160	-0.0170	0.0123	0.0123	-0.0110
		Y	0.0116	-0.0123	0.0068	-0.0013	0.0029	-0.0037
		Z	0.0075	-0.0084	0.0038	0.0023	0.0057	-0.0054
AT.	89 O	X	-0.0157	-0.0160	0.0170	0.0123	0.0123	0.0110
		Y	-0.0116	-0.0123	0.0068	0.0013	-0.0029	-0.0037
		Z	0.0075	0.0084	-0.0038	0.0023	0.0057	0.0054
AT.	90 O	X	-0.0157	0.0160	0.0170	-0.0123	-0.0123	0.0110
		Y	-0.0116	0.0123	0.0068	-0.0013	0.0029	-0.0037
		Z	-0.0075	0.0084	0.0038	0.0023	0.0057	-0.0054
AT.	91 O	X	-0.0157	0.0160	0.0170	-0.0123	0.0123	-0.0110
		Y	0.0116	-0.0123	-0.0068	0.0013	0.0029	-0.0037
		Z	-0.0075	0.0084	0.0038	0.0023	-0.0057	0.0054
AT.	92 O	X	-0.0157	-0.0160	0.0170	0.0123	-0.0123	-0.0110
		Y	0.0116	0.0123	-0.0068	-0.0013	-0.0029	-0.0037
		Z	0.0075	0.0084	-0.0038	0.0023	-0.0057	-0.0054
AT.	93 O	X	0.0059	-0.0040	0.0091	-0.0114	0.0189	-0.0174
		Y	0.0065	-0.0068	0.0077	-0.0018	-0.0008	0.0013
		Z	0.0064	-0.0075	0.0016	-0.0021	-0.0022	0.0018
AT.	94 O	X	0.0059	0.0040	0.0091	0.0114	-0.0189	-0.0174
		Y	0.0065	0.0068	0.0077	0.0018	0.0008	0.0013
		Z	-0.0064	-0.0075	-0.0016	-0.0021	-0.0022	-0.0018
AT.	95 O	X	0.0059	0.0040	0.0091	0.0114	0.0189	0.0174
		Y	-0.0065	-0.0068	-0.0077	-0.0018	0.0008	0.0013
		Z	-0.0064	-0.0075	-0.0016	-0.0021	0.0022	0.0018
AT.	96 O	X	0.0059	-0.0040	0.0091	-0.0114	-0.0189	0.0174
		Y	-0.0065	0.0068	-0.0077	0.0018	-0.0008	0.0013
		Z	0.0064	-0.0075	0.0016	-0.0021	0.0022	-0.0018
AT.	97 O	X	0.0059	0.0040	-0.0091	-0.0114	-0.0189	-0.0174
		Y	0.0065	0.0068	-0.0077	-0.0018	0.0008	0.0013
		Z	0.0064	0.0075	-0.0016	-0.0021	0.0022	0.0018
AT.	98 O	X	0.0059	-0.0040	-0.0091	0.0114	0.0189	-0.0174
		Y	0.0065	-0.0068	-0.0077	0.0018	-0.0008	0.0013
		Z	-0.0064	0.0075	0.0016	-0.0021	0.0022	-0.0018
AT.	99 O	X	0.0059	-0.0040	-0.0091	0.0114	-0.0189	0.0174
		Y	-0.0065	0.0068	0.0077	-0.0018	-0.0008	0.0013
		Z	-0.0064	0.0075	0.0016	-0.0021	-0.0022	0.0018
AT.	100 O	X	0.0059	0.0040	-0.0091	-0.0114	0.0189	0.0174
		Y	-0.0065	-0.0068	0.0077	0.0018	0.0008	0.0013
		Z	0.0064	0.0075	-0.0016	-0.0021	-0.0022	-0.0018
AT.	101 O	X	0.0112	-0.0120	0.0100	-0.0043	-0.0053	0.0051
		Y	0.0106	-0.0091	0.0098	-0.0102	0.0087	-0.0080
		Z	-0.0002	-0.0001	-0.0006	-0.0009	0.0041	-0.0036
AT.	102 O	X	0.0112	0.0120	0.0100	0.0043	0.0053	0.0051
		Y	0.0106	0.0091	0.0098	0.0102	-0.0087	-0.0080
		Z	0.0002	-0.0001	0.0006	-0.0009	0.0041	0.0036
AT.	103 O	X	0.0112	0.0120	0.0100	0.0043	-0.0053	-0.0051
		Y	-0.0106	-0.0091	-0.0098	-0.0102	-0.0087	-0.0080
		Z	0.0002	-0.0001	0.0006	-0.0009	-0.0041	-0.0036
AT.	104 O	X	0.0112	-0.0120	0.0100	-0.0043	0.0053	-0.0051
		Y	-0.0106	0.0091	-0.0098	0.0102	0.0087	-0.0080
		Z	-0.0002	-0.0001	-0.0006	-0.0009	-0.0041	0.0036

AT. 105 O	X	0.0112	0.0120	-0.0100	-0.0043	0.0053	0.0051
	Y	0.0106	0.0091	-0.0098	-0.0102	-0.0087	-0.0080
	Z	-0.0002	0.0001	0.0006	-0.0009	-0.0041	-0.0036
AT. 106 O	X	0.0112	-0.0120	-0.0100	0.0043	-0.0053	0.0051
	Y	0.0106	-0.0091	-0.0098	0.0102	0.0087	-0.0080
	Z	0.0002	0.0001	-0.0006	-0.0009	-0.0041	0.0036
AT. 107 O	X	0.0112	-0.0120	-0.0100	0.0043	0.0053	-0.0051
	Y	-0.0106	0.0091	0.0098	-0.0102	0.0087	-0.0080
	Z	0.0002	0.0001	-0.0006	-0.0009	0.0041	-0.0036
AT. 108 O	X	0.0112	0.0120	-0.0100	-0.0043	-0.0053	-0.0051
	Y	-0.0106	-0.0091	0.0098	0.0102	-0.0087	-0.0080
	Z	-0.0002	0.0001	0.0006	-0.0009	0.0041	0.0036
AT. 109 O	X	0.0034	-0.0038	0.0027	-0.0008	0.0008	-0.0003
	Y	-0.0155	0.0144	-0.0163	0.0135	-0.0118	0.0114
	Z	-0.0086	0.0099	-0.0072	0.0016	-0.0005	-0.0001
AT. 110 O	X	0.0034	0.0038	0.0027	0.0008	-0.0008	-0.0003
	Y	-0.0155	-0.0144	-0.0163	-0.0135	0.0118	0.0114
	Z	0.0086	0.0099	0.0072	0.0016	-0.0005	0.0001
AT. 111 O	X	0.0034	0.0038	0.0027	0.0008	0.0008	0.0003
	Y	0.0155	0.0144	0.0163	0.0135	0.0118	0.0114
	Z	0.0086	0.0099	0.0072	0.0016	0.0005	-0.0001
AT. 112 O	X	0.0034	-0.0038	0.0027	-0.0008	-0.0008	0.0003
	Y	0.0155	-0.0144	0.0163	-0.0135	-0.0118	0.0114
	Z	-0.0086	0.0099	-0.0072	0.0016	0.0005	0.0001
AT. 113 O	X	0.0034	0.0038	-0.0027	-0.0008	-0.0008	-0.0003
	Y	-0.0155	-0.0144	0.0163	0.0135	0.0118	0.0114
	Z	-0.0086	-0.0099	0.0072	0.0016	0.0005	-0.0001
AT. 114 O	X	0.0034	-0.0038	-0.0027	0.0008	0.0008	-0.0003
	Y	-0.0155	0.0144	0.0163	-0.0135	-0.0118	0.0114
	Z	0.0086	-0.0099	-0.0072	0.0016	0.0005	0.0001
AT. 115 O	X	0.0034	-0.0038	-0.0027	0.0008	-0.0008	0.0003
	Y	0.0155	-0.0144	-0.0163	0.0135	-0.0118	0.0114
	Z	0.0086	-0.0099	-0.0072	0.0016	-0.0005	-0.0001
AT. 116 O	X	0.0034	0.0038	-0.0027	-0.0008	0.0008	0.0003
	Y	0.0155	0.0144	-0.0163	-0.0135	0.0118	0.0114
	Z	-0.0086	-0.0099	0.0072	0.0016	-0.0005	0.0001
AT. 117 O	X	-0.0132	0.0133	-0.0110	0.0074	0.0055	-0.0047
	Y	-0.0089	0.0091	-0.0061	0.0013	-0.0111	0.0094
	Z	0.0068	-0.0053	0.0088	-0.0071	0.0000	-0.0002
AT. 118 O	X	-0.0132	-0.0133	-0.0110	-0.0074	-0.0055	-0.0047
	Y	-0.0089	-0.0091	-0.0061	-0.0013	0.0111	0.0094
	Z	-0.0068	-0.0053	-0.0088	-0.0071	0.0000	0.0002
AT. 119 O	X	-0.0132	-0.0133	-0.0110	-0.0074	0.0055	0.0047
	Y	0.0089	0.0091	0.0061	0.0013	0.0111	0.0094
	Z	-0.0068	-0.0053	-0.0088	-0.0071	0.0000	-0.0002
AT. 120 O	X	-0.0132	0.0133	-0.0110	0.0074	-0.0055	0.0047
	Y	0.0089	-0.0091	0.0061	-0.0013	-0.0111	0.0094
	Z	0.0068	-0.0053	0.0088	-0.0071	0.0000	0.0002
AT. 121 O	X	-0.0132	-0.0133	0.0110	0.0074	-0.0055	-0.0047
	Y	-0.0089	-0.0091	0.0061	0.0013	0.0111	0.0094
	Z	0.0068	0.0053	-0.0088	-0.0071	0.0000	-0.0002
AT. 122 O	X	-0.0132	0.0133	0.0110	-0.0074	0.0055	-0.0047
	Y	-0.0089	0.0091	0.0061	-0.0013	-0.0111	0.0094
	Z	-0.0068	0.0053	0.0088	-0.0071	0.0000	0.0002
AT. 123 O	X	-0.0132	0.0133	0.0110	-0.0074	-0.0055	0.0047
	Y	0.0089	-0.0091	-0.0061	0.0013	-0.0111	0.0094
	Z	-0.0068	0.0053	0.0088	-0.0071	0.0000	-0.0002
AT. 124 O	X	-0.0132	-0.0133	0.0110	0.0074	0.0055	0.0047
	Y	0.0089	0.0091	-0.0061	-0.0013	0.0111	0.0094
	Z	0.0068	0.0053	-0.0088	-0.0071	0.0000	0.0002

FREQ(CM**-1)			474.41	474.82	475.73	476.43	477.15	481.37
AT.	1 SI	X	-0.0009	-0.0005	0.0015	-0.0009	-0.0014	0.0004
		Y	0.0015	0.0016	-0.0009	0.0053	0.0031	0.0016
		Z	-0.0065	0.0111	0.0052	-0.0035	-0.0021	-0.0011
AT.	2 SI	X	-0.0009	0.0005	-0.0015	0.0009	-0.0014	-0.0004
		Y	0.0015	-0.0016	0.0009	-0.0053	0.0031	-0.0016
		Z	0.0065	0.0111	0.0052	-0.0035	0.0021	-0.0011
AT.	3 SI	X	-0.0009	0.0005	0.0015	0.0009	0.0014	0.0004
		Y	-0.0015	0.0016	0.0009	0.0053	0.0031	-0.0016
		Z	0.0065	0.0111	-0.0052	-0.0035	-0.0021	0.0011
AT.	4 SI	X	-0.0009	-0.0005	-0.0015	-0.0009	0.0014	-0.0004
		Y	-0.0015	-0.0016	-0.0009	-0.0053	0.0031	0.0016
		Z	-0.0065	0.0111	-0.0052	-0.0035	0.0021	0.0011
AT.	5 SI	X	-0.0009	-0.0005	0.0015	0.0009	0.0014	-0.0004
		Y	0.0015	0.0016	-0.0009	-0.0053	-0.0031	-0.0016
		Z	-0.0065	0.0111	0.0052	0.0035	0.0021	0.0011
AT.	6 SI	X	-0.0009	0.0005	-0.0015	-0.0009	0.0014	0.0004
		Y	0.0015	-0.0016	0.0009	0.0053	-0.0031	0.0016
		Z	0.0065	0.0111	0.0052	0.0035	-0.0021	0.0011
AT.	7 SI	X	-0.0009	0.0005	0.0015	-0.0009	-0.0014	-0.0004
		Y	-0.0015	0.0016	0.0009	-0.0053	-0.0031	0.0016
		Z	0.0065	0.0111	-0.0052	0.0035	0.0021	-0.0011
AT.	8 SI	X	-0.0009	-0.0005	-0.0015	0.0009	-0.0014	0.0004
		Y	-0.0015	-0.0016	-0.0009	0.0053	-0.0031	-0.0016
		Z	-0.0065	0.0111	-0.0052	0.0035	-0.0021	-0.0011
AT.	9 SI	X	-0.0068	0.0061	0.0074	-0.0067	-0.0079	0.0095
		Y	0.0007	-0.0004	0.0017	0.0004	-0.0032	0.0038
		Z	-0.0135	0.0122	0.0082	-0.0137	-0.0078	0.0006
AT.	10 SI	X	-0.0068	-0.0061	-0.0074	0.0067	-0.0079	-0.0095
		Y	0.0007	0.0004	-0.0017	-0.0004	-0.0032	-0.0038
		Z	0.0135	0.0122	0.0082	-0.0137	0.0078	0.0006
AT.	11 SI	X	-0.0068	-0.0061	0.0074	0.0067	0.0079	0.0095
		Y	-0.0007	-0.0004	-0.0017	0.0004	-0.0032	-0.0038
		Z	0.0135	0.0122	-0.0082	-0.0137	-0.0078	-0.0006
AT.	12 SI	X	-0.0068	0.0061	-0.0074	-0.0067	0.0079	-0.0095
		Y	-0.0007	0.0004	0.0017	-0.0004	-0.0032	0.0038
		Z	-0.0135	0.0122	-0.0082	-0.0137	0.0078	-0.0006
AT.	13 SI	X	-0.0068	0.0061	0.0074	0.0067	0.0079	-0.0095
		Y	0.0007	-0.0004	0.0017	-0.0004	0.0032	-0.0038
		Z	-0.0135	0.0122	0.0082	0.0137	0.0078	-0.0006
AT.	14 SI	X	-0.0068	-0.0061	-0.0074	-0.0067	0.0079	0.0095
		Y	0.0007	0.0004	-0.0017	0.0004	0.0032	0.0038
		Z	0.0135	0.0122	0.0082	0.0137	-0.0078	-0.0006
AT.	15 SI	X	-0.0068	-0.0061	0.0074	-0.0067	-0.0079	-0.0095
		Y	-0.0007	-0.0004	-0.0017	-0.0004	0.0032	0.0038
		Z	0.0135	0.0122	-0.0082	0.0137	0.0078	0.0006
AT.	16 SI	X	-0.0068	0.0061	-0.0074	0.0067	-0.0079	0.0095
		Y	-0.0007	0.0004	0.0017	0.0004	0.0032	-0.0038
		Z	-0.0135	0.0122	-0.0082	0.0137	-0.0078	0.0006
AT.	17 SI	X	0.0118	-0.0101	0.0000	0.0122	0.0000	0.0000
		Y	0.0000	0.0000	-0.0086	0.0000	0.0091	0.0005
		Z	-0.0048	0.0037	0.0000	-0.0071	0.0000	0.0000
AT.	18 SI	X	0.0118	0.0101	0.0000	-0.0122	0.0000	0.0000
		Y	0.0000	0.0000	0.0086	0.0000	0.0091	-0.0005
		Z	0.0048	0.0037	0.0000	-0.0071	0.0000	0.0000
AT.	19 SI	X	0.0118	-0.0101	0.0000	-0.0122	0.0000	0.0000
		Y	0.0000	0.0000	-0.0086	0.0000	-0.0091	-0.0005
		Z	-0.0048	0.0037	0.0000	0.0071	0.0000	0.0000
AT.	20 SI	X	0.0118	0.0101	0.0000	0.0122	0.0000	0.0000
		Y	0.0000	0.0000	0.0086	0.0000	-0.0091	0.0005

	Z	0.0048	0.0037	0.0000	0.0071	0.0000	0.0000
AT. 21 CA	X	-0.0005	0.0003	0.0007	0.0004	0.0000	0.0009
	Y	-0.0001	0.0000	0.0000	0.0012	0.0009	0.0003
	Z	0.0028	-0.0013	-0.0016	0.0001	-0.0006	0.0005
AT. 22 CA	X	-0.0005	-0.0003	-0.0007	-0.0004	0.0000	-0.0009
	Y	-0.0001	0.0000	0.0000	-0.0012	0.0009	-0.0003
	Z	-0.0028	-0.0013	-0.0016	0.0001	0.0006	0.0005
AT. 23 CA	X	-0.0005	-0.0003	0.0007	-0.0004	0.0000	0.0009
	Y	0.0001	0.0000	0.0000	0.0012	0.0009	-0.0003
	Z	-0.0028	-0.0013	0.0016	0.0001	-0.0006	-0.0005
AT. 24 CA	X	-0.0005	0.0003	-0.0007	0.0004	0.0000	-0.0009
	Y	0.0001	0.0000	0.0000	-0.0012	0.0009	0.0003
	Z	0.0028	-0.0013	0.0016	0.0001	0.0006	-0.0005
AT. 25 CA	X	-0.0005	0.0003	0.0007	-0.0004	0.0000	-0.0009
	Y	-0.0001	0.0000	0.0000	-0.0012	-0.0009	-0.0003
	Z	0.0028	-0.0013	-0.0016	-0.0001	0.0006	-0.0005
AT. 26 CA	X	-0.0005	-0.0003	-0.0007	0.0004	0.0000	0.0009
	Y	-0.0001	0.0000	0.0000	0.0012	-0.0009	0.0003
	Z	-0.0028	-0.0013	-0.0016	-0.0001	-0.0006	-0.0005
AT. 27 CA	X	-0.0005	-0.0003	0.0007	0.0004	0.0000	-0.0009
	Y	0.0001	0.0000	0.0000	-0.0012	-0.0009	0.0003
	Z	-0.0028	-0.0013	0.0016	-0.0001	0.0006	0.0005
AT. 28 CA	X	-0.0005	0.0003	-0.0007	-0.0004	0.0000	0.0009
	Y	0.0001	0.0000	0.0000	0.0012	-0.0009	-0.0003
	Z	0.0028	-0.0013	0.0016	-0.0001	-0.0006	0.0005
AT. 29 CA	X	0.0011	-0.0016	-0.0011	0.0000	0.0000	0.0000
	Y	0.0012	-0.0011	-0.0012	0.0000	0.0000	0.0000
	Z	-0.0003	-0.0006	0.0001	0.0000	0.0000	0.0000
AT. 30 CA	X	0.0011	0.0016	0.0011	0.0000	0.0000	0.0000
	Y	0.0012	0.0011	0.0012	0.0000	0.0000	0.0000
	Z	0.0003	-0.0006	0.0001	0.0000	0.0000	0.0000
AT. 31 CA	X	0.0011	0.0016	-0.0011	0.0000	0.0000	0.0000
	Y	-0.0012	-0.0011	0.0012	0.0000	0.0000	0.0000
	Z	0.0003	-0.0006	-0.0001	0.0000	0.0000	0.0000
AT. 32 CA	X	0.0011	-0.0016	0.0011	0.0000	0.0000	0.0000
	Y	-0.0012	0.0011	-0.0012	0.0000	0.0000	0.0000
	Z	-0.0003	-0.0006	-0.0001	0.0000	0.0000	0.0000
AT. 33 CA	X	0.0004	0.0001	-0.0008	0.0008	0.0013	-0.0017
	Y	-0.0010	0.0010	-0.0006	0.0001	0.0014	-0.0011
	Z	-0.0018	0.0012	0.0017	-0.0023	-0.0022	0.0020
AT. 34 CA	X	0.0004	-0.0001	0.0008	-0.0008	0.0013	0.0017
	Y	-0.0010	-0.0010	0.0006	-0.0001	0.0014	0.0011
	Z	0.0018	0.0012	0.0017	-0.0023	0.0022	0.0020
AT. 35 CA	X	0.0004	-0.0001	-0.0008	-0.0008	-0.0013	-0.0017
	Y	0.0010	0.0010	0.0006	0.0001	0.0014	0.0011
	Z	0.0018	0.0012	-0.0017	-0.0023	-0.0022	-0.0020
AT. 36 CA	X	0.0004	0.0001	0.0008	0.0008	-0.0013	0.0017
	Y	0.0010	-0.0010	-0.0006	-0.0001	0.0014	-0.0011
	Z	-0.0018	0.0012	-0.0017	-0.0023	0.0022	-0.0020
AT. 37 CA	X	0.0004	0.0001	-0.0008	-0.0008	-0.0013	0.0017
	Y	-0.0010	0.0010	-0.0006	-0.0001	-0.0014	0.0011
	Z	-0.0018	0.0012	0.0017	0.0023	0.0022	-0.0020
AT. 38 CA	X	0.0004	-0.0001	0.0008	0.0008	-0.0013	-0.0017
	Y	-0.0010	-0.0010	0.0006	0.0001	-0.0014	-0.0011
	Z	0.0018	0.0012	0.0017	0.0023	-0.0022	-0.0020
AT. 39 CA	X	0.0004	-0.0001	-0.0008	0.0008	0.0013	0.0017
	Y	0.0010	0.0010	0.0006	-0.0001	-0.0014	-0.0011
	Z	0.0018	0.0012	-0.0017	0.0023	0.0022	0.0020
AT. 40 CA	X	0.0004	0.0001	0.0008	-0.0008	0.0013	-0.0017
	Y	0.0010	-0.0010	-0.0006	0.0001	-0.0014	0.0011
	Z	-0.0018	0.0012	-0.0017	0.0023	-0.0022	0.0020

AT.	41	CA	X	-0.0008	-0.0004	0.0011	-0.0010	-0.0012	0.0031
			Y	0.0015	-0.0017	-0.0015	0.0011	0.0016	-0.0007
			Z	0.0015	-0.0001	-0.0030	-0.0001	0.0020	0.0011
AT.	42	CA	X	-0.0008	0.0004	-0.0011	0.0010	-0.0012	-0.0031
			Y	0.0015	0.0017	0.0015	-0.0011	0.0016	0.0007
			Z	-0.0015	-0.0001	-0.0030	-0.0001	-0.0020	0.0011
AT.	43	CA	X	-0.0008	0.0004	0.0011	0.0010	0.0012	0.0031
			Y	-0.0015	-0.0017	0.0015	0.0011	0.0016	0.0007
			Z	-0.0015	-0.0001	0.0030	-0.0001	0.0020	-0.0011
AT.	44	CA	X	-0.0008	-0.0004	-0.0011	-0.0010	0.0012	-0.0031
			Y	-0.0015	0.0017	-0.0015	-0.0011	0.0016	-0.0007
			Z	0.0015	-0.0001	0.0030	-0.0001	-0.0020	-0.0011
AT.	45	CA	X	-0.0008	-0.0004	0.0011	0.0010	0.0012	-0.0031
			Y	0.0015	-0.0017	-0.0015	-0.0011	-0.0016	0.0007
			Z	0.0015	-0.0001	-0.0030	0.0001	-0.0020	-0.0011
AT.	46	CA	X	-0.0008	0.0004	-0.0011	-0.0010	0.0012	0.0031
			Y	0.0015	0.0017	0.0015	0.0011	-0.0016	-0.0007
			Z	-0.0015	-0.0001	-0.0030	0.0001	0.0020	-0.0011
AT.	47	CA	X	-0.0008	0.0004	0.0011	-0.0010	-0.0012	-0.0031
			Y	-0.0015	-0.0017	0.0015	-0.0011	-0.0016	-0.0007
			Z	-0.0015	-0.0001	0.0030	0.0001	-0.0020	0.0011
AT.	48	CA	X	-0.0008	-0.0004	-0.0011	0.0010	-0.0012	0.0031
			Y	-0.0015	0.0017	-0.0015	0.0011	-0.0016	0.0007
			Z	0.0015	-0.0001	0.0030	0.0001	0.0020	0.0011
AT.	49	CA	X	0.0020	-0.0003	0.0000	0.0020	0.0000	0.0000
			Y	0.0000	0.0000	-0.0041	0.0000	0.0040	-0.0008
			Z	0.0021	-0.0012	0.0000	0.0021	0.0000	0.0000
AT.	50	CA	X	0.0020	0.0003	0.0000	-0.0020	0.0000	0.0000
			Y	0.0000	0.0000	0.0041	0.0000	0.0040	0.0008
			Z	-0.0021	-0.0012	0.0000	0.0021	0.0000	0.0000
AT.	51	CA	X	0.0020	-0.0003	0.0000	-0.0020	0.0000	0.0000
			Y	0.0000	0.0000	-0.0041	0.0000	-0.0040	0.0008
			Z	0.0021	-0.0012	0.0000	-0.0021	0.0000	0.0000
AT.	52	CA	X	0.0020	0.0003	0.0000	0.0020	0.0000	0.0000
			Y	0.0000	0.0000	0.0041	0.0000	-0.0040	-0.0008
			Z	-0.0021	-0.0012	0.0000	-0.0021	0.0000	0.0000
AT.	53	O	X	-0.0009	0.0049	-0.0004	0.0019	0.0021	0.0044
			Y	0.0014	-0.0001	-0.0005	0.0048	0.0024	0.0009
			Z	0.0083	-0.0114	-0.0066	0.0049	0.0028	0.0026
AT.	54	O	X	-0.0009	-0.0049	0.0004	-0.0019	0.0021	-0.0044
			Y	0.0014	0.0001	0.0005	-0.0048	0.0024	-0.0009
			Z	-0.0083	-0.0114	-0.0066	0.0049	-0.0028	0.0026
AT.	55	O	X	-0.0009	-0.0049	-0.0004	-0.0019	-0.0021	0.0044
			Y	-0.0014	-0.0001	0.0005	0.0048	0.0024	-0.0009
			Z	-0.0083	-0.0114	0.0066	0.0049	0.0028	-0.0026
AT.	56	O	X	-0.0009	0.0049	0.0004	0.0019	-0.0021	-0.0044
			Y	-0.0014	0.0001	-0.0005	-0.0048	0.0024	0.0009
			Z	0.0083	-0.0114	0.0066	0.0049	-0.0028	-0.0026
AT.	57	O	X	-0.0009	0.0049	-0.0004	-0.0019	-0.0021	-0.0044
			Y	0.0014	-0.0001	-0.0005	-0.0048	-0.0024	-0.0009
			Z	0.0083	-0.0114	-0.0066	-0.0049	-0.0028	-0.0026
AT.	58	O	X	-0.0009	-0.0049	0.0004	0.0019	-0.0021	0.0044
			Y	0.0014	0.0001	0.0005	0.0048	-0.0024	0.0009
			Z	-0.0083	-0.0114	-0.0066	-0.0049	0.0028	-0.0026
AT.	59	O	X	-0.0009	-0.0049	-0.0004	0.0019	0.0021	-0.0044
			Y	-0.0014	-0.0001	0.0005	-0.0048	-0.0024	0.0009
			Z	-0.0083	-0.0114	0.0066	-0.0049	-0.0028	0.0026
AT.	60	O	X	-0.0009	0.0049	0.0004	-0.0019	0.0021	0.0044
			Y	-0.0014	0.0001	-0.0005	0.0048	-0.0024	-0.0009
			Z	0.0083	-0.0114	0.0066	-0.0049	0.0028	0.0026
AT.	61	O	X	0.0023	-0.0049	-0.0005	-0.0005	-0.0021	-0.0020

		Y	-0.0079	0.0091	0.0060	-0.0078	-0.0046	-0.0019
		Z	-0.0012	0.0041	0.0007	0.0032	0.0020	0.0002
AT.	62 O	X	0.0023	0.0049	0.0005	0.0005	-0.0021	0.0020
		Y	-0.0079	-0.0091	-0.0060	0.0078	-0.0046	0.0019
		Z	0.0012	0.0041	0.0007	0.0032	-0.0020	0.0002
AT.	63 O	X	0.0023	0.0049	-0.0005	0.0005	0.0021	-0.0020
		Y	0.0079	0.0091	-0.0060	-0.0078	-0.0046	0.0019
		Z	0.0012	0.0041	-0.0007	0.0032	0.0020	-0.0002
AT.	64 O	X	0.0023	-0.0049	0.0005	-0.0005	0.0021	0.0020
		Y	0.0079	-0.0091	0.0060	0.0078	-0.0046	-0.0019
		Z	-0.0012	0.0041	-0.0007	0.0032	-0.0020	-0.0002
AT.	65 O	X	0.0023	-0.0049	-0.0005	0.0005	0.0021	0.0020
		Y	-0.0079	0.0091	0.0060	0.0078	0.0046	0.0019
		Z	-0.0012	0.0041	0.0007	-0.0032	-0.0020	-0.0002
AT.	66 O	X	0.0023	0.0049	0.0005	-0.0005	0.0021	-0.0020
		Y	-0.0079	-0.0091	-0.0060	-0.0078	0.0046	-0.0019
		Z	0.0012	0.0041	0.0007	-0.0032	0.0020	-0.0002
AT.	67 O	X	0.0023	0.0049	-0.0005	-0.0005	-0.0021	0.0020
		Y	0.0079	0.0091	-0.0060	0.0078	0.0046	-0.0019
		Z	0.0012	0.0041	-0.0007	-0.0032	-0.0020	0.0002
AT.	68 O	X	0.0023	-0.0049	0.0005	0.0005	-0.0021	-0.0020
		Y	0.0079	-0.0091	0.0060	-0.0078	0.0046	0.0019
		Z	-0.0012	0.0041	-0.0007	-0.0032	0.0020	0.0002
AT.	69 O	X	-0.0013	0.0019	0.0000	-0.0013	0.0010	-0.0008
		Y	0.0051	-0.0088	-0.0042	-0.0001	0.0002	-0.0001
		Z	-0.0052	0.0039	0.0047	-0.0053	-0.0039	-0.0017
AT.	70 O	X	-0.0013	-0.0019	0.0000	0.0013	0.0010	0.0008
		Y	0.0051	0.0088	0.0042	0.0001	0.0002	0.0001
		Z	0.0052	0.0039	0.0047	-0.0053	0.0039	-0.0017
AT.	71 O	X	-0.0013	-0.0019	0.0000	0.0013	-0.0010	-0.0008
		Y	-0.0051	-0.0088	0.0042	-0.0001	0.0002	0.0001
		Z	0.0052	0.0039	-0.0047	-0.0053	-0.0039	0.0017
AT.	72 O	X	-0.0013	0.0019	0.0000	-0.0013	-0.0010	0.0008
		Y	-0.0051	0.0088	-0.0042	0.0001	0.0002	-0.0001
		Z	-0.0052	0.0039	-0.0047	-0.0053	0.0039	0.0017
AT.	73 O	X	-0.0013	0.0019	0.0000	0.0013	-0.0010	0.0008
		Y	0.0051	-0.0088	-0.0042	0.0001	-0.0002	0.0001
		Z	-0.0052	0.0039	0.0047	0.0053	0.0039	0.0017
AT.	74 O	X	-0.0013	-0.0019	0.0000	-0.0013	-0.0010	-0.0008
		Y	0.0051	0.0088	0.0042	-0.0001	-0.0002	-0.0001
		Z	0.0052	0.0039	0.0047	0.0053	-0.0039	0.0017
AT.	75 O	X	-0.0013	-0.0019	0.0000	-0.0013	0.0010	0.0008
		Y	-0.0051	-0.0088	0.0042	0.0001	-0.0002	-0.0001
		Z	0.0052	0.0039	-0.0047	0.0053	0.0039	-0.0017
AT.	76 O	X	-0.0013	0.0019	0.0000	0.0013	0.0010	-0.0008
		Y	-0.0051	0.0088	-0.0042	-0.0001	-0.0002	0.0001
		Z	-0.0052	0.0039	-0.0047	0.0053	-0.0039	-0.0017
AT.	77 O	X	-0.0015	0.0000	0.0022	-0.0013	-0.0019	0.0009
		Y	-0.0002	-0.0027	0.0010	-0.0042	-0.0033	-0.0020
		Z	0.0074	-0.0101	-0.0051	0.0038	0.0018	-0.0006
AT.	78 O	X	-0.0015	0.0000	-0.0022	0.0013	-0.0019	-0.0009
		Y	-0.0002	0.0027	-0.0010	0.0042	-0.0033	0.0020
		Z	-0.0074	-0.0101	-0.0051	0.0038	-0.0018	-0.0006
AT.	79 O	X	-0.0015	0.0000	0.0022	0.0013	0.0019	0.0009
		Y	0.0002	-0.0027	-0.0010	-0.0042	-0.0033	0.0020
		Z	-0.0074	-0.0101	0.0051	0.0038	0.0018	0.0006
AT.	80 O	X	-0.0015	0.0000	-0.0022	-0.0013	0.0019	-0.0009
		Y	0.0002	0.0027	0.0010	0.0042	-0.0033	-0.0020
		Z	0.0074	-0.0101	0.0051	0.0038	-0.0018	0.0006
AT.	81 O	X	-0.0015	0.0000	0.0022	0.0013	0.0019	-0.0009
		Y	-0.0002	-0.0027	0.0010	0.0042	0.0033	0.0020

	Z	0.0074	-0.0101	-0.0051	-0.0038	-0.0018	0.0006
AT. 82 O	X	-0.0015	0.0000	-0.0022	-0.0013	0.0019	0.0009
	Y	-0.0002	0.0027	-0.0010	-0.0042	0.0033	-0.0020
	Z	-0.0074	-0.0101	-0.0051	-0.0038	0.0018	0.0006
AT. 83 O	X	-0.0015	0.0000	0.0022	-0.0013	-0.0019	-0.0009
	Y	0.0002	-0.0027	-0.0010	0.0042	0.0033	-0.0020
	Z	-0.0074	-0.0101	0.0051	-0.0038	-0.0018	-0.0006
AT. 84 O	X	-0.0015	0.0000	-0.0022	0.0013	-0.0019	0.0009
	Y	0.0002	0.0027	0.0010	-0.0042	0.0033	0.0020
	Z	0.0074	-0.0101	0.0051	-0.0038	0.0018	-0.0006
AT. 85 O	X	0.0157	-0.0149	-0.0173	0.0151	0.0181	-0.0187
	Y	-0.0038	0.0044	0.0037	-0.0049	-0.0026	-0.0058
	Z	-0.0014	0.0002	-0.0024	-0.0005	0.0025	-0.0053
AT. 86 O	X	0.0157	0.0149	0.0173	-0.0151	0.0181	0.0187
	Y	-0.0038	-0.0044	-0.0037	0.0049	-0.0026	0.0058
	Z	0.0014	0.0002	-0.0024	-0.0005	-0.0025	-0.0053
AT. 87 O	X	0.0157	0.0149	-0.0173	-0.0151	-0.0181	-0.0187
	Y	0.0038	0.0044	-0.0037	-0.0049	-0.0026	0.0058
	Z	0.0014	0.0002	0.0024	-0.0005	0.0025	0.0053
AT. 88 O	X	0.0157	-0.0149	0.0173	0.0151	-0.0181	0.0187
	Y	0.0038	-0.0044	0.0037	0.0049	-0.0026	-0.0058
	Z	-0.0014	0.0002	0.0024	-0.0005	-0.0025	0.0053
AT. 89 O	X	0.0157	-0.0149	-0.0173	-0.0151	-0.0181	0.0187
	Y	-0.0038	0.0044	0.0037	0.0049	0.0026	0.0058
	Z	-0.0014	0.0002	-0.0024	0.0005	-0.0025	0.0053
AT. 90 O	X	0.0157	0.0149	0.0173	0.0151	-0.0181	-0.0187
	Y	-0.0038	-0.0044	-0.0037	-0.0049	0.0026	-0.0058
	Z	0.0014	0.0002	-0.0024	0.0005	0.0025	0.0053
AT. 91 O	X	0.0157	0.0149	-0.0173	0.0151	0.0181	0.0187
	Y	0.0038	0.0044	-0.0037	0.0049	0.0026	-0.0058
	Z	0.0014	0.0002	0.0024	0.0005	-0.0025	-0.0053
AT. 92 O	X	0.0157	-0.0149	0.0173	-0.0151	0.0181	-0.0187
	Y	0.0038	-0.0044	0.0037	-0.0049	0.0026	0.0058
	Z	-0.0014	0.0002	0.0024	0.0005	0.0025	-0.0053
AT. 93 O	X	0.0039	-0.0039	-0.0101	0.0037	0.0102	-0.0157
	Y	-0.0086	0.0070	0.0093	-0.0090	-0.0110	0.0133
	Z	0.0129	-0.0099	-0.0098	0.0147	0.0103	0.0005
AT. 94 O	X	0.0039	0.0039	0.0101	-0.0037	0.0102	0.0157
	Y	-0.0086	-0.0070	-0.0093	0.0090	-0.0110	-0.0133
	Z	-0.0129	-0.0099	-0.0098	0.0147	-0.0103	0.0005
AT. 95 O	X	0.0039	0.0039	-0.0101	-0.0037	-0.0102	-0.0157
	Y	0.0086	0.0070	-0.0093	-0.0090	-0.0110	-0.0133
	Z	-0.0129	-0.0099	0.0098	0.0147	0.0103	-0.0005
AT. 96 O	X	0.0039	-0.0039	0.0101	0.0037	-0.0102	0.0157
	Y	0.0086	-0.0070	0.0093	0.0090	-0.0110	0.0133
	Z	0.0129	-0.0099	0.0098	0.0147	-0.0103	-0.0005
AT. 97 O	X	0.0039	-0.0039	-0.0101	-0.0037	-0.0102	0.0157
	Y	-0.0086	0.0070	0.0093	0.0090	0.0110	-0.0133
	Z	0.0129	-0.0099	-0.0098	-0.0147	-0.0103	-0.0005
AT. 98 O	X	0.0039	0.0039	0.0101	0.0037	-0.0102	-0.0157
	Y	-0.0086	-0.0070	-0.0093	-0.0090	0.0110	0.0133
	Z	-0.0129	-0.0099	-0.0098	-0.0147	0.0103	-0.0005
AT. 99 O	X	0.0039	0.0039	-0.0101	0.0037	0.0102	0.0157
	Y	0.0086	0.0070	-0.0093	0.0090	0.0110	0.0133
	Z	-0.0129	-0.0099	0.0098	-0.0147	-0.0103	0.0005
AT. 100 O	X	0.0039	-0.0039	0.0101	-0.0037	0.0102	-0.0157
	Y	0.0086	-0.0070	0.0093	-0.0090	0.0110	-0.0133
	Z	0.0129	-0.0099	0.0098	-0.0147	0.0103	0.0005
AT. 101 O	X	-0.0065	0.0063	0.0168	-0.0053	-0.0168	0.0214
	Y	0.0118	-0.0100	-0.0125	0.0129	0.0130	-0.0090
	Z	0.0001	0.0012	0.0022	0.0006	-0.0010	-0.0023

AT. 102 O	X	-0.0065	-0.0063	-0.0168	0.0053	-0.0168	-0.0214
	Y	0.0118	0.0100	0.0125	-0.0129	0.0130	0.0090
	Z	-0.0001	0.0012	0.0022	0.0006	0.0010	-0.0023
AT. 103 O	X	-0.0065	-0.0063	0.0168	0.0053	0.0168	0.0214
	Y	-0.0118	-0.0100	0.0125	0.0129	0.0130	0.0090
	Z	-0.0001	0.0012	-0.0022	0.0006	-0.0010	0.0023
AT. 104 O	X	-0.0065	0.0063	-0.0168	-0.0053	0.0168	-0.0214
	Y	-0.0118	0.0100	-0.0125	-0.0129	0.0130	-0.0090
	Z	0.0001	0.0012	-0.0022	0.0006	0.0010	0.0023
AT. 105 O	X	-0.0065	0.0063	0.0168	0.0053	0.0168	-0.0214
	Y	0.0118	-0.0100	-0.0125	-0.0129	-0.0130	0.0090
	Z	0.0001	0.0012	0.0022	-0.0006	0.0010	0.0023
AT. 106 O	X	-0.0065	-0.0063	-0.0168	-0.0053	0.0168	0.0214
	Y	0.0118	0.0100	0.0125	0.0129	-0.0130	-0.0090
	Z	-0.0001	0.0012	0.0022	-0.0006	-0.0010	0.0023
AT. 107 O	X	-0.0065	-0.0063	0.0168	-0.0053	-0.0168	-0.0214
	Y	-0.0118	-0.0100	0.0125	-0.0129	-0.0130	-0.0090
	Z	-0.0001	0.0012	-0.0022	-0.0006	0.0010	-0.0023
AT. 108 O	X	-0.0065	0.0063	-0.0168	0.0053	-0.0168	0.0214
	Y	-0.0118	0.0100	-0.0125	0.0129	-0.0130	0.0090
	Z	0.0001	0.0012	-0.0022	-0.0006	-0.0010	-0.0023
AT. 109 O	X	-0.0052	0.0048	0.0073	-0.0052	-0.0081	0.0108
	Y	0.0003	0.0007	0.0046	-0.0002	-0.0034	0.0037
	Z	0.0147	-0.0139	-0.0152	0.0144	0.0152	-0.0110
AT. 110 O	X	-0.0052	-0.0048	-0.0073	0.0052	-0.0081	-0.0108
	Y	0.0003	-0.0007	-0.0046	0.0002	-0.0034	-0.0037
	Z	-0.0147	-0.0139	-0.0152	0.0144	-0.0152	-0.0110
AT. 111 O	X	-0.0052	-0.0048	0.0073	0.0052	0.0081	0.0108
	Y	-0.0003	0.0007	-0.0046	-0.0002	-0.0034	-0.0037
	Z	-0.0147	-0.0139	0.0152	0.0144	0.0152	0.0110
AT. 112 O	X	-0.0052	0.0048	-0.0073	-0.0052	0.0081	-0.0108
	Y	-0.0003	-0.0007	0.0046	0.0002	-0.0034	0.0037
	Z	0.0147	-0.0139	0.0152	0.0144	-0.0152	0.0110
AT. 113 O	X	-0.0052	0.0048	0.0073	0.0052	0.0081	-0.0108
	Y	0.0003	0.0007	0.0046	0.0002	0.0034	-0.0037
	Z	0.0147	-0.0139	-0.0152	-0.0144	-0.0152	0.0110
AT. 114 O	X	-0.0052	-0.0048	-0.0073	-0.0052	0.0081	0.0108
	Y	0.0003	-0.0007	-0.0046	-0.0002	0.0034	0.0037
	Z	-0.0147	-0.0139	-0.0152	-0.0144	0.0152	0.0110
AT. 115 O	X	-0.0052	-0.0048	0.0073	-0.0052	-0.0081	-0.0108
	Y	-0.0003	0.0007	-0.0046	0.0002	0.0034	0.0037
	Z	-0.0147	-0.0139	0.0152	-0.0144	-0.0152	-0.0110
AT. 116 O	X	-0.0052	0.0048	-0.0073	0.0052	-0.0081	0.0108
	Y	-0.0003	-0.0007	0.0046	-0.0002	0.0034	-0.0037
	Z	0.0147	-0.0139	0.0152	-0.0144	0.0152	-0.0110
AT. 117 O	X	-0.0051	0.0036	-0.0064	-0.0065	0.0063	0.0003
	Y	0.0063	-0.0052	0.0044	0.0053	-0.0038	-0.0044
	Z	0.0062	-0.0051	-0.0028	0.0065	0.0030	0.0042
AT. 118 O	X	-0.0051	-0.0036	0.0064	0.0065	0.0063	-0.0003
	Y	0.0063	0.0052	-0.0044	-0.0053	-0.0038	0.0044
	Z	-0.0062	-0.0051	-0.0028	0.0065	-0.0030	0.0042
AT. 119 O	X	-0.0051	-0.0036	-0.0064	0.0065	-0.0063	0.0003
	Y	-0.0063	-0.0052	-0.0044	0.0053	-0.0038	0.0044
	Z	-0.0062	-0.0051	0.0028	0.0065	0.0030	-0.0042
AT. 120 O	X	-0.0051	0.0036	0.0064	-0.0065	-0.0063	-0.0003
	Y	-0.0063	0.0052	0.0044	-0.0053	-0.0038	-0.0044
	Z	0.0062	-0.0051	0.0028	0.0065	-0.0030	-0.0042
AT. 121 O	X	-0.0051	0.0036	-0.0064	0.0065	-0.0063	-0.0003
	Y	0.0063	-0.0052	0.0044	-0.0053	0.0038	0.0044
	Z	0.0062	-0.0051	-0.0028	-0.0065	-0.0030	-0.0042
AT. 122 O	X	-0.0051	-0.0036	0.0064	-0.0065	-0.0063	0.0003

	Y	0.0063	0.0052	-0.0044	0.0053	0.0038	-0.0044
	Z	-0.0062	-0.0051	-0.0028	-0.0065	0.0030	-0.0042
AT. 123 O	X	-0.0051	-0.0036	-0.0064	-0.0065	0.0063	-0.0003
	Y	-0.0063	-0.0052	-0.0044	-0.0053	0.0038	-0.0044
	Z	-0.0062	-0.0051	0.0028	-0.0065	-0.0030	0.0042
AT. 124 O	X	-0.0051	0.0036	0.0064	0.0065	0.0063	0.0003
	Y	-0.0063	0.0052	0.0044	0.0053	0.0038	0.0044
	Z	0.0062	-0.0051	0.0028	-0.0065	0.0030	0.0042

FREQ(CM**-1)		481.90	494.06	501.99	505.58	506.64	511.17
AT. 1 SI	X	0.0002	0.0016	0.0015	0.0006	0.0000	-0.0001
	Y	-0.0012	-0.0028	0.0073	-0.0083	-0.0013	0.0024
	Z	0.0013	-0.0123	-0.0069	-0.0106	0.0012	0.0050
AT. 2 SI	X	0.0002	-0.0016	0.0015	0.0006	0.0000	0.0001
	Y	-0.0012	0.0028	0.0073	-0.0083	-0.0013	-0.0024
	Z	-0.0013	-0.0123	0.0069	0.0106	-0.0012	0.0050
AT. 3 SI	X	-0.0002	0.0016	-0.0015	0.0006	0.0000	0.0001
	Y	-0.0012	0.0028	0.0073	0.0083	0.0013	0.0024
	Z	0.0013	0.0123	-0.0069	0.0106	-0.0012	0.0050
AT. 4 SI	X	-0.0002	-0.0016	-0.0015	0.0006	0.0000	-0.0001
	Y	-0.0012	-0.0028	0.0073	0.0083	0.0013	-0.0024
	Z	-0.0013	0.0123	0.0069	-0.0106	0.0012	0.0050
AT. 5 SI	X	0.0002	0.0016	-0.0015	0.0006	0.0000	-0.0001
	Y	-0.0012	-0.0028	-0.0073	-0.0083	0.0013	0.0024
	Z	0.0013	-0.0123	0.0069	-0.0106	-0.0012	0.0050
AT. 6 SI	X	0.0002	-0.0016	-0.0015	0.0006	0.0000	0.0001
	Y	-0.0012	0.0028	-0.0073	-0.0083	0.0013	-0.0024
	Z	-0.0013	-0.0123	-0.0069	0.0106	0.0012	0.0050
AT. 7 SI	X	-0.0002	0.0016	0.0015	0.0006	0.0000	0.0001
	Y	-0.0012	0.0028	-0.0073	0.0083	-0.0013	0.0024
	Z	0.0013	0.0123	0.0069	0.0106	0.0012	0.0050
AT. 8 SI	X	-0.0002	-0.0016	0.0015	0.0006	0.0000	-0.0001
	Y	-0.0012	-0.0028	-0.0073	0.0083	-0.0013	-0.0024
	Z	-0.0013	0.0123	-0.0069	-0.0106	-0.0012	0.0050
AT. 9 SI	X	-0.0095	0.0055	0.0057	0.0036	-0.0125	-0.0111
	Y	-0.0040	0.0076	0.0066	0.0012	0.0051	0.0051
	Z	-0.0005	-0.0040	-0.0082	0.0019	-0.0013	0.0030
AT. 10 SI	X	-0.0095	-0.0055	0.0057	0.0036	-0.0125	0.0111
	Y	-0.0040	-0.0076	0.0066	0.0012	0.0051	-0.0051
	Z	0.0005	-0.0040	0.0082	-0.0019	0.0013	0.0030
AT. 11 SI	X	0.0095	0.0055	-0.0057	0.0036	-0.0125	0.0111
	Y	-0.0040	-0.0076	0.0066	-0.0012	-0.0051	0.0051
	Z	-0.0005	0.0040	-0.0082	-0.0019	0.0013	0.0030
AT. 12 SI	X	0.0095	-0.0055	-0.0057	0.0036	-0.0125	-0.0111
	Y	-0.0040	0.0076	0.0066	-0.0012	-0.0051	-0.0051
	Z	0.0005	0.0040	0.0082	0.0019	-0.0013	0.0030
AT. 13 SI	X	-0.0095	0.0055	-0.0057	0.0036	0.0125	-0.0111
	Y	-0.0040	0.0076	-0.0066	0.0012	-0.0051	0.0051
	Z	-0.0005	-0.0040	0.0082	0.0019	0.0013	0.0030
AT. 14 SI	X	-0.0095	-0.0055	-0.0057	0.0036	0.0125	0.0111
	Y	-0.0040	-0.0076	-0.0066	0.0012	-0.0051	-0.0051
	Z	0.0005	-0.0040	-0.0082	-0.0019	-0.0013	0.0030
AT. 15 SI	X	0.0095	0.0055	0.0057	0.0036	0.0125	0.0111
	Y	-0.0040	-0.0076	-0.0066	-0.0012	0.0051	0.0051
	Z	-0.0005	0.0040	0.0082	-0.0019	-0.0013	0.0030
AT. 16 SI	X	0.0095	-0.0055	0.0057	0.0036	0.0125	-0.0111
	Y	-0.0040	0.0076	-0.0066	-0.0012	0.0051	-0.0051
	Z	0.0005	0.0040	-0.0082	0.0019	0.0013	0.0030
AT. 17 SI	X	0.0000	0.0000	0.0000	-0.0042	0.0126	0.0084
	Y	-0.0007	-0.0016	0.0016	0.0000	0.0000	0.0000

		Z	0.0000	0.0000	0.0000	0.0070	-0.0047	-0.0023
AT.	18 SI	X	0.0000	0.0000	0.0000	-0.0042	0.0126	-0.0084
		Y	-0.0007	0.0016	0.0016	0.0000	0.0000	0.0000
		Z	0.0000	0.0000	0.0000	-0.0070	0.0047	-0.0023
AT.	19 SI	X	0.0000	0.0000	0.0000	-0.0042	-0.0126	0.0084
		Y	-0.0007	-0.0016	-0.0016	0.0000	0.0000	0.0000
		Z	0.0000	0.0000	0.0000	0.0070	0.0047	-0.0023
AT.	20 SI	X	0.0000	0.0000	0.0000	-0.0042	-0.0126	-0.0084
		Y	-0.0007	0.0016	-0.0016	0.0000	0.0000	0.0000
		Z	0.0000	0.0000	0.0000	-0.0070	-0.0047	-0.0023
AT.	21 CA	X	-0.0008	-0.0001	0.0011	-0.0005	-0.0009	-0.0009
		Y	-0.0002	-0.0009	0.0001	-0.0008	-0.0002	-0.0008
		Z	-0.0009	0.0022	-0.0002	0.0004	-0.0013	-0.0008
AT.	22 CA	X	-0.0008	0.0001	0.0011	-0.0005	-0.0009	0.0009
		Y	-0.0002	0.0009	0.0001	-0.0008	-0.0002	0.0008
		Z	0.0009	0.0022	0.0002	-0.0004	0.0013	-0.0008
AT.	23 CA	X	0.0008	-0.0001	-0.0011	-0.0005	-0.0009	0.0009
		Y	-0.0002	0.0009	0.0001	0.0008	0.0002	-0.0008
		Z	-0.0009	-0.0022	-0.0002	-0.0004	0.0013	-0.0008
AT.	24 CA	X	0.0008	0.0001	-0.0011	-0.0005	-0.0009	-0.0009
		Y	-0.0002	-0.0009	0.0001	0.0008	0.0002	0.0008
		Z	0.0009	-0.0022	0.0002	0.0004	-0.0013	-0.0008
AT.	25 CA	X	-0.0008	-0.0001	-0.0011	-0.0005	0.0009	-0.0009
		Y	-0.0002	-0.0009	-0.0001	-0.0008	0.0002	-0.0008
		Z	-0.0009	0.0022	0.0002	0.0004	0.0013	-0.0008
AT.	26 CA	X	-0.0008	0.0001	-0.0011	-0.0005	0.0009	0.0009
		Y	-0.0002	0.0009	-0.0001	-0.0008	0.0002	0.0008
		Z	0.0009	0.0022	-0.0002	-0.0004	-0.0013	-0.0008
AT.	27 CA	X	0.0008	-0.0001	0.0011	-0.0005	0.0009	0.0009
		Y	-0.0002	0.0009	-0.0001	0.0008	-0.0002	-0.0008
		Z	-0.0009	-0.0022	0.0002	-0.0004	-0.0013	-0.0008
AT.	28 CA	X	0.0008	0.0001	0.0011	-0.0005	0.0009	-0.0009
		Y	-0.0002	-0.0009	-0.0001	0.0008	-0.0002	0.0008
		Z	0.0009	-0.0022	-0.0002	0.0004	0.0013	-0.0008
AT.	29 CA	X	0.0008	0.0001	0.0000	0.0005	0.0000	0.0004
		Y	-0.0004	0.0003	0.0000	-0.0027	0.0000	-0.0002
		Z	0.0008	-0.0021	0.0000	-0.0019	0.0000	0.0019
AT.	30 CA	X	0.0008	-0.0001	0.0000	0.0005	0.0000	-0.0004
		Y	-0.0004	-0.0003	0.0000	-0.0027	0.0000	0.0002
		Z	-0.0008	-0.0021	0.0000	0.0019	0.0000	0.0019
AT.	31 CA	X	-0.0008	0.0001	0.0000	0.0005	0.0000	-0.0004
		Y	-0.0004	-0.0003	0.0000	0.0027	0.0000	-0.0002
		Z	0.0008	0.0021	0.0000	0.0019	0.0000	0.0019
AT.	32 CA	X	-0.0008	-0.0001	0.0000	0.0005	0.0000	0.0004
		Y	-0.0004	0.0003	0.0000	0.0027	0.0000	0.0002
		Z	-0.0008	0.0021	0.0000	-0.0019	0.0000	0.0019
AT.	33 CA	X	0.0018	-0.0023	-0.0019	-0.0011	0.0013	0.0011
		Y	0.0011	-0.0016	0.0003	-0.0025	0.0010	0.0014
		Z	-0.0021	0.0015	0.0009	0.0006	-0.0012	0.0004
AT.	34 CA	X	0.0018	0.0023	-0.0019	-0.0011	0.0013	-0.0011
		Y	0.0011	0.0016	0.0003	-0.0025	0.0010	-0.0014
		Z	0.0021	0.0015	-0.0009	-0.0006	0.0012	0.0004
AT.	35 CA	X	-0.0018	-0.0023	0.0019	-0.0011	0.0013	-0.0011
		Y	0.0011	0.0016	0.0003	0.0025	-0.0010	0.0014
		Z	-0.0021	-0.0015	0.0009	-0.0006	0.0012	0.0004
AT.	36 CA	X	-0.0018	0.0023	0.0019	-0.0011	0.0013	0.0011
		Y	0.0011	-0.0016	0.0003	0.0025	-0.0010	-0.0014
		Z	0.0021	-0.0015	-0.0009	0.0006	-0.0012	0.0004
AT.	37 CA	X	0.0018	-0.0023	0.0019	-0.0011	-0.0013	0.0011
		Y	0.0011	-0.0016	-0.0003	-0.0025	-0.0010	0.0014
		Z	-0.0021	0.0015	-0.0009	0.0006	0.0012	0.0004

AT.	38	CA	X	0.0018	0.0023	0.0019	-0.0011	-0.0013	-0.0011
			Y	0.0011	0.0016	-0.0003	-0.0025	-0.0010	-0.0014
			Z	0.0021	0.0015	0.0009	-0.0006	-0.0012	0.0004
AT.	39	CA	X	-0.0018	-0.0023	-0.0019	-0.0011	-0.0013	-0.0011
			Y	0.0011	0.0016	-0.0003	0.0025	0.0010	0.0014
			Z	-0.0021	-0.0015	-0.0009	-0.0006	-0.0012	0.0004
AT.	40	CA	X	-0.0018	0.0023	-0.0019	-0.0011	-0.0013	0.0011
			Y	0.0011	-0.0016	-0.0003	0.0025	0.0010	-0.0014
			Z	0.0021	-0.0015	0.0009	0.0006	0.0012	0.0004
AT.	41	CA	X	-0.0031	0.0002	-0.0011	0.0008	-0.0014	-0.0019
			Y	0.0007	-0.0018	-0.0029	0.0008	0.0000	-0.0006
			Z	-0.0010	0.0032	0.0013	0.0037	-0.0014	-0.0010
AT.	42	CA	X	-0.0031	-0.0002	-0.0011	0.0008	-0.0014	0.0019
			Y	0.0007	0.0018	-0.0029	0.0008	0.0000	0.0006
			Z	0.0010	0.0032	-0.0013	-0.0037	0.0014	-0.0010
AT.	43	CA	X	0.0031	0.0002	0.0011	0.0008	-0.0014	0.0019
			Y	0.0007	0.0018	-0.0029	-0.0008	0.0000	-0.0006
			Z	-0.0010	-0.0032	0.0013	-0.0037	0.0014	-0.0010
AT.	44	CA	X	0.0031	-0.0002	0.0011	0.0008	-0.0014	-0.0019
			Y	0.0007	-0.0018	-0.0029	-0.0008	0.0000	0.0006
			Z	0.0010	-0.0032	-0.0013	0.0037	-0.0014	-0.0010
AT.	45	CA	X	-0.0031	0.0002	0.0011	0.0008	0.0014	-0.0019
			Y	0.0007	-0.0018	0.0029	0.0008	0.0000	-0.0006
			Z	-0.0010	0.0032	-0.0013	0.0037	0.0014	-0.0010
AT.	46	CA	X	-0.0031	-0.0002	0.0011	0.0008	0.0014	0.0019
			Y	0.0007	0.0018	0.0029	0.0008	0.0000	0.0006
			Z	0.0010	0.0032	0.0013	-0.0037	-0.0014	-0.0010
AT.	47	CA	X	0.0031	0.0002	-0.0011	0.0008	0.0014	0.0019
			Y	0.0007	0.0018	0.0029	-0.0008	0.0000	-0.0006
			Z	-0.0010	-0.0032	-0.0013	-0.0037	-0.0014	-0.0010
AT.	48	CA	X	0.0031	-0.0002	-0.0011	0.0008	0.0014	-0.0019
			Y	0.0007	-0.0018	0.0029	-0.0008	0.0000	0.0006
			Z	0.0010	-0.0032	0.0013	0.0037	0.0014	-0.0010
AT.	49	CA	X	0.0000	0.0000	0.0000	-0.0005	0.0003	0.0003
			Y	0.0009	0.0000	0.0002	0.0000	0.0000	0.0000
			Z	0.0000	0.0000	0.0000	-0.0003	-0.0004	0.0002
AT.	50	CA	X	0.0000	0.0000	0.0000	-0.0005	0.0003	-0.0003
			Y	0.0009	0.0000	0.0002	0.0000	0.0000	0.0000
			Z	0.0000	0.0000	0.0000	0.0003	0.0004	0.0002
AT.	51	CA	X	0.0000	0.0000	0.0000	-0.0005	-0.0003	0.0003
			Y	0.0009	0.0000	-0.0002	0.0000	0.0000	0.0000
			Z	0.0000	0.0000	0.0000	-0.0003	0.0004	0.0002
AT.	52	CA	X	0.0000	0.0000	0.0000	-0.0005	-0.0003	-0.0003
			Y	0.0009	0.0000	-0.0002	0.0000	0.0000	0.0000
			Z	0.0000	0.0000	0.0000	0.0003	-0.0004	0.0002
AT.	53	O	X	-0.0055	-0.0014	0.0033	-0.0060	-0.0045	-0.0029
			Y	-0.0001	-0.0016	0.0097	-0.0105	-0.0007	0.0024
			Z	-0.0023	0.0178	0.0094	0.0162	-0.0015	-0.0092
AT.	54	O	X	-0.0055	0.0014	0.0033	-0.0060	-0.0045	0.0029
			Y	-0.0001	0.0016	0.0097	-0.0105	-0.0007	-0.0024
			Z	0.0023	0.0178	-0.0094	-0.0162	0.0015	-0.0092
AT.	55	O	X	0.0055	-0.0014	-0.0033	-0.0060	-0.0045	0.0029
			Y	-0.0001	0.0016	0.0097	0.0105	0.0007	0.0024
			Z	-0.0023	-0.0178	0.0094	-0.0162	0.0015	-0.0092
AT.	56	O	X	0.0055	0.0014	-0.0033	-0.0060	-0.0045	-0.0029
			Y	-0.0001	-0.0016	0.0097	0.0105	0.0007	-0.0024
			Z	0.0023	-0.0178	-0.0094	0.0162	-0.0015	-0.0092
AT.	57	O	X	-0.0055	-0.0014	-0.0033	-0.0060	0.0045	-0.0029
			Y	-0.0001	-0.0016	-0.0097	-0.0105	0.0007	0.0024
			Z	-0.0023	0.0178	-0.0094	0.0162	0.0015	-0.0092
AT.	58	O	X	-0.0055	0.0014	-0.0033	-0.0060	0.0045	0.0029

		Y	-0.0001	0.0016	-0.0097	-0.0105	0.0007	-0.0024
		Z	0.0023	0.0178	0.0094	-0.0162	-0.0015	-0.0092
AT.	59 O	X	0.0055	-0.0014	0.0033	-0.0060	0.0045	0.0029
		Y	-0.0001	0.0016	-0.0097	0.0105	-0.0007	0.0024
		Z	-0.0023	-0.0178	-0.0094	-0.0162	-0.0015	-0.0092
AT.	60 O	X	0.0055	0.0014	0.0033	-0.0060	0.0045	-0.0029
		Y	-0.0001	-0.0016	-0.0097	0.0105	-0.0007	-0.0024
		Z	0.0023	-0.0178	0.0094	0.0162	0.0015	-0.0092
AT.	61 O	X	0.0008	0.0048	0.0006	0.0049	0.0021	-0.0021
		Y	0.0011	-0.0093	-0.0136	-0.0005	0.0015	0.0038
		Z	0.0000	-0.0068	0.0058	-0.0138	-0.0013	0.0036
AT.	62 O	X	0.0008	-0.0048	0.0006	0.0049	0.0021	0.0021
		Y	0.0011	0.0093	-0.0136	-0.0005	0.0015	-0.0038
		Z	0.0000	-0.0068	-0.0058	0.0138	0.0013	0.0036
AT.	63 O	X	-0.0008	0.0048	-0.0006	0.0049	0.0021	0.0021
		Y	0.0011	0.0093	-0.0136	0.0005	-0.0015	0.0038
		Z	0.0000	0.0068	0.0058	0.0138	0.0013	0.0036
AT.	64 O	X	-0.0008	-0.0048	-0.0006	0.0049	0.0021	-0.0021
		Y	0.0011	-0.0093	-0.0136	0.0005	-0.0015	-0.0038
		Z	0.0000	0.0068	-0.0058	-0.0138	-0.0013	0.0036
AT.	65 O	X	0.0008	0.0048	-0.0006	0.0049	-0.0021	-0.0021
		Y	0.0011	-0.0093	0.0136	-0.0005	-0.0015	0.0038
		Z	0.0000	-0.0068	-0.0058	-0.0138	0.0013	0.0036
AT.	66 O	X	0.0008	-0.0048	-0.0006	0.0049	-0.0021	0.0021
		Y	0.0011	0.0093	0.0136	-0.0005	-0.0015	-0.0038
		Z	0.0000	-0.0068	0.0058	0.0138	-0.0013	0.0036
AT.	67 O	X	-0.0008	0.0048	0.0006	0.0049	-0.0021	0.0021
		Y	0.0011	0.0093	0.0136	0.0005	0.0015	0.0038
		Z	0.0000	0.0068	-0.0058	0.0138	-0.0013	0.0036
AT.	68 O	X	-0.0008	-0.0048	0.0006	0.0049	-0.0021	-0.0021
		Y	0.0011	-0.0093	0.0136	0.0005	0.0015	-0.0038
		Z	0.0000	0.0068	0.0058	-0.0138	0.0013	0.0036
AT.	69 O	X	0.0020	-0.0044	-0.0056	0.0003	0.0003	0.0036
		Y	-0.0006	0.0129	-0.0023	0.0193	0.0007	-0.0074
		Z	0.0013	-0.0032	-0.0087	0.0047	0.0021	0.0006
AT.	70 O	X	0.0020	0.0044	-0.0056	0.0003	0.0003	-0.0036
		Y	-0.0006	-0.0129	-0.0023	0.0193	0.0007	0.0074
		Z	-0.0013	-0.0032	0.0087	-0.0047	-0.0021	0.0006
AT.	71 O	X	-0.0020	-0.0044	0.0056	0.0003	0.0003	-0.0036
		Y	-0.0006	-0.0129	-0.0023	-0.0193	-0.0007	-0.0074
		Z	0.0013	0.0032	-0.0087	-0.0047	-0.0021	0.0006
AT.	72 O	X	-0.0020	0.0044	0.0056	0.0003	0.0003	0.0036
		Y	-0.0006	0.0129	-0.0023	-0.0193	-0.0007	0.0074
		Z	-0.0013	0.0032	0.0087	0.0047	0.0021	0.0006
AT.	73 O	X	0.0020	-0.0044	0.0056	0.0003	-0.0003	0.0036
		Y	-0.0006	0.0129	0.0023	0.0193	-0.0007	-0.0074
		Z	0.0013	-0.0032	0.0087	0.0047	-0.0021	0.0006
AT.	74 O	X	0.0020	0.0044	0.0056	0.0003	-0.0003	-0.0036
		Y	-0.0006	-0.0129	0.0023	0.0193	-0.0007	0.0074
		Z	-0.0013	-0.0032	-0.0087	-0.0047	0.0021	0.0006
AT.	75 O	X	-0.0020	-0.0044	-0.0056	0.0003	-0.0003	-0.0036
		Y	-0.0006	-0.0129	0.0023	-0.0193	0.0007	-0.0074
		Z	0.0013	0.0032	0.0087	-0.0047	0.0021	0.0006
AT.	76 O	X	-0.0020	0.0044	-0.0056	0.0003	-0.0003	0.0036
		Y	-0.0006	0.0129	0.0023	-0.0193	0.0007	0.0074
		Z	-0.0013	0.0032	-0.0087	0.0047	-0.0021	0.0006
AT.	77 O	X	-0.0003	0.0017	0.0016	0.0008	-0.0003	-0.0003
		Y	0.0018	0.0037	-0.0079	0.0117	0.0024	-0.0013
		Z	0.0002	0.0116	0.0056	0.0095	0.0011	-0.0059
AT.	78 O	X	-0.0003	-0.0017	0.0016	0.0008	-0.0003	0.0003
		Y	0.0018	-0.0037	-0.0079	0.0117	0.0024	0.0013

		Z	-0.0002	0.0116	-0.0056	-0.0095	-0.0011	-0.0059
AT.	79 O	X	0.0003	0.0017	-0.0016	0.0008	-0.0003	0.0003
		Y	0.0018	-0.0037	-0.0079	-0.0117	-0.0024	-0.0013
		Z	0.0002	-0.0116	0.0056	-0.0095	-0.0011	-0.0059
AT.	80 O	X	0.0003	-0.0017	-0.0016	0.0008	-0.0003	-0.0003
		Y	0.0018	0.0037	-0.0079	-0.0117	-0.0024	0.0013
		Z	-0.0002	-0.0116	-0.0056	0.0095	0.0011	-0.0059
AT.	81 O	X	-0.0003	0.0017	-0.0016	0.0008	0.0003	-0.0003
		Y	0.0018	0.0037	0.0079	0.0117	-0.0024	-0.0013
		Z	0.0002	0.0116	-0.0056	0.0095	-0.0011	-0.0059
AT.	82 O	X	-0.0003	-0.0017	-0.0016	0.0008	0.0003	0.0003
		Y	0.0018	-0.0037	0.0079	0.0117	-0.0024	0.0013
		Z	-0.0002	0.0116	0.0056	-0.0095	0.0011	-0.0059
AT.	83 O	X	0.0003	0.0017	0.0016	0.0008	0.0003	0.0003
		Y	0.0018	-0.0037	0.0079	-0.0117	0.0024	-0.0013
		Z	0.0002	-0.0116	-0.0056	-0.0095	0.0011	-0.0059
AT.	84 O	X	0.0003	-0.0017	0.0016	0.0008	0.0003	-0.0003
		Y	0.0018	0.0037	0.0079	-0.0117	0.0024	0.0013
		Z	-0.0002	-0.0116	0.0056	0.0095	-0.0011	-0.0059
AT.	85 O	X	0.0188	-0.0086	-0.0077	-0.0034	0.0158	0.0106
		Y	0.0059	-0.0095	-0.0125	0.0003	-0.0004	0.0031
		Z	0.0051	-0.0015	-0.0026	-0.0040	0.0145	0.0153
AT.	86 O	X	0.0188	0.0086	-0.0077	-0.0034	0.0158	-0.0106
		Y	0.0059	0.0095	-0.0125	0.0003	-0.0004	-0.0031
		Z	-0.0051	-0.0015	0.0026	0.0040	-0.0145	0.0153
AT.	87 O	X	-0.0188	-0.0086	0.0077	-0.0034	0.0158	-0.0106
		Y	0.0059	0.0095	-0.0125	-0.0003	0.0004	0.0031
		Z	0.0051	0.0015	-0.0026	0.0040	-0.0145	0.0153
AT.	88 O	X	-0.0188	0.0086	0.0077	-0.0034	0.0158	0.0106
		Y	0.0059	-0.0095	-0.0125	-0.0003	0.0004	-0.0031
		Z	-0.0051	0.0015	0.0026	-0.0040	0.0145	0.0153
AT.	89 O	X	0.0188	-0.0086	0.0077	-0.0034	-0.0158	0.0106
		Y	0.0059	-0.0095	0.0125	0.0003	0.0004	0.0031
		Z	0.0051	-0.0015	0.0026	-0.0040	-0.0145	0.0153
AT.	90 O	X	0.0188	0.0086	0.0077	-0.0034	-0.0158	-0.0106
		Y	0.0059	0.0095	0.0125	0.0003	0.0004	-0.0031
		Z	-0.0051	-0.0015	-0.0026	0.0040	0.0145	0.0153
AT.	91 O	X	-0.0188	-0.0086	-0.0077	-0.0034	-0.0158	-0.0106
		Y	0.0059	0.0095	0.0125	-0.0003	-0.0004	0.0031
		Z	0.0051	0.0015	0.0026	0.0040	0.0145	0.0153
AT.	92 O	X	-0.0188	0.0086	-0.0077	-0.0034	-0.0158	0.0106
		Y	0.0059	-0.0095	0.0125	-0.0003	-0.0004	-0.0031
		Z	-0.0051	0.0015	-0.0026	-0.0040	-0.0145	0.0153
AT.	93 O	X	0.0155	-0.0058	-0.0080	-0.0043	0.0182	0.0186
		Y	-0.0134	0.0119	0.0113	0.0049	-0.0073	-0.0054
		Z	-0.0005	0.0023	0.0077	-0.0030	-0.0013	-0.0077
AT.	94 O	X	0.0155	0.0058	-0.0080	-0.0043	0.0182	-0.0186
		Y	-0.0134	-0.0119	0.0113	0.0049	-0.0073	0.0054
		Z	0.0005	0.0023	-0.0077	0.0030	0.0013	-0.0077
AT.	95 O	X	-0.0155	-0.0058	0.0080	-0.0043	0.0182	-0.0186
		Y	-0.0134	-0.0119	0.0113	-0.0049	0.0073	-0.0054
		Z	-0.0005	-0.0023	0.0077	0.0030	0.0013	-0.0077
AT.	96 O	X	-0.0155	0.0058	0.0080	-0.0043	0.0182	0.0186
		Y	-0.0134	0.0119	0.0113	-0.0049	0.0073	0.0054
		Z	0.0005	-0.0023	-0.0077	-0.0030	-0.0013	-0.0077
AT.	97 O	X	0.0155	-0.0058	0.0080	-0.0043	-0.0182	0.0186
		Y	-0.0134	0.0119	-0.0113	0.0049	0.0073	-0.0054
		Z	-0.0005	0.0023	-0.0077	-0.0030	0.0013	-0.0077
AT.	98 O	X	0.0155	0.0058	0.0080	-0.0043	-0.0182	-0.0186
		Y	-0.0134	-0.0119	-0.0113	0.0049	0.0073	0.0054
		Z	0.0005	0.0023	0.0077	0.0030	-0.0013	-0.0077

AT. 99	O	X	-0.0155	-0.0058	-0.0080	-0.0043	-0.0182	-0.0186
		Y	-0.0134	-0.0119	-0.0113	-0.0049	-0.0073	-0.0054
		Z	-0.0005	-0.0023	-0.0077	0.0030	-0.0013	-0.0077
AT. 100	O	X	-0.0155	0.0058	-0.0080	-0.0043	-0.0182	0.0186
		Y	-0.0134	0.0119	-0.0113	-0.0049	-0.0073	0.0054
		Z	0.0005	-0.0023	0.0077	-0.0030	0.0013	-0.0077
AT. 101	O	X	-0.0212	0.0053	0.0059	-0.0014	-0.0049	-0.0036
		Y	0.0090	-0.0024	0.0009	-0.0038	0.0011	-0.0052
		Z	0.0026	-0.0055	-0.0051	0.0002	-0.0091	-0.0090
AT. 102	O	X	-0.0212	-0.0053	0.0059	-0.0014	-0.0049	0.0036
		Y	0.0090	0.0024	0.0009	-0.0038	0.0011	0.0052
		Z	-0.0026	-0.0055	0.0051	-0.0002	0.0091	-0.0090
AT. 103	O	X	0.0212	0.0053	-0.0059	-0.0014	-0.0049	0.0036
		Y	0.0090	0.0024	0.0009	0.0038	-0.0011	-0.0052
		Z	0.0026	0.0055	-0.0051	-0.0002	0.0091	-0.0090
AT. 104	O	X	0.0212	-0.0053	-0.0059	-0.0014	-0.0049	-0.0036
		Y	0.0090	-0.0024	0.0009	0.0038	-0.0011	0.0052
		Z	-0.0026	0.0055	0.0051	0.0002	-0.0091	-0.0090
AT. 105	O	X	-0.0212	0.0053	-0.0059	-0.0014	0.0049	-0.0036
		Y	0.0090	-0.0024	-0.0009	-0.0038	-0.0011	-0.0052
		Z	0.0026	-0.0055	0.0051	0.0002	0.0091	-0.0090
AT. 106	O	X	-0.0212	-0.0053	-0.0059	-0.0014	0.0049	0.0036
		Y	0.0090	0.0024	-0.0009	-0.0038	-0.0011	0.0052
		Z	-0.0026	-0.0055	-0.0051	-0.0002	-0.0091	-0.0090
AT. 107	O	X	0.0212	0.0053	0.0059	-0.0014	0.0049	0.0036
		Y	0.0090	0.0024	-0.0009	0.0038	0.0011	-0.0052
		Z	0.0026	0.0055	0.0051	-0.0002	-0.0091	-0.0090
AT. 108	O	X	0.0212	-0.0053	0.0059	-0.0014	0.0049	-0.0036
		Y	0.0090	-0.0024	-0.0009	0.0038	0.0011	0.0052
		Z	-0.0026	0.0055	-0.0051	0.0002	0.0091	-0.0090
AT. 109	O	X	-0.0109	0.0069	0.0072	0.0037	-0.0124	-0.0115
		Y	-0.0033	-0.0052	-0.0045	0.0017	-0.0100	-0.0101
		Z	0.0109	-0.0013	0.0016	-0.0018	0.0069	0.0008
AT. 110	O	X	-0.0109	-0.0069	0.0072	0.0037	-0.0124	0.0115
		Y	-0.0033	0.0052	-0.0045	0.0017	-0.0100	0.0101
		Z	-0.0109	-0.0013	-0.0016	0.0018	-0.0069	0.0008
AT. 111	O	X	0.0109	0.0069	-0.0072	0.0037	-0.0124	0.0115
		Y	-0.0033	0.0052	-0.0045	-0.0017	0.0100	-0.0101
		Z	0.0109	0.0013	0.0016	0.0018	-0.0069	0.0008
AT. 112	O	X	0.0109	-0.0069	-0.0072	0.0037	-0.0124	-0.0115
		Y	-0.0033	-0.0052	-0.0045	-0.0017	0.0100	0.0101
		Z	-0.0109	0.0013	-0.0016	-0.0018	0.0069	0.0008
AT. 113	O	X	-0.0109	0.0069	-0.0072	0.0037	0.0124	-0.0115
		Y	-0.0033	-0.0052	0.0045	0.0017	0.0100	-0.0101
		Z	0.0109	-0.0013	-0.0016	-0.0018	-0.0069	0.0008
AT. 114	O	X	-0.0109	-0.0069	-0.0072	0.0037	0.0124	0.0115
		Y	-0.0033	0.0052	0.0045	0.0017	0.0100	0.0101
		Z	-0.0109	-0.0013	0.0016	0.0018	0.0069	0.0008
AT. 115	O	X	0.0109	0.0069	0.0072	0.0037	0.0124	0.0115
		Y	-0.0033	0.0052	0.0045	-0.0017	-0.0100	-0.0101
		Z	0.0109	0.0013	-0.0016	0.0018	0.0069	0.0008
AT. 116	O	X	0.0109	-0.0069	0.0072	0.0037	0.0124	-0.0115
		Y	-0.0033	-0.0052	0.0045	-0.0017	-0.0100	0.0101
		Z	-0.0109	0.0013	0.0016	-0.0018	-0.0069	0.0008
AT. 117	O	X	-0.0006	0.0022	0.0055	0.0039	-0.0028	-0.0004
		Y	0.0045	-0.0064	-0.0111	0.0006	0.0053	0.0058
		Z	-0.0043	0.0008	0.0036	-0.0017	0.0036	0.0003
AT. 118	O	X	-0.0006	-0.0022	0.0055	0.0039	-0.0028	0.0004
		Y	0.0045	0.0064	-0.0111	0.0006	0.0053	-0.0058
		Z	0.0043	0.0008	-0.0036	0.0017	-0.0036	0.0003
AT. 119	O	X	0.0006	0.0022	-0.0055	0.0039	-0.0028	0.0004

	Y	0.0045	0.0064	-0.0111	-0.0006	-0.0053	0.0058
	Z	-0.0043	-0.0008	0.0036	0.0017	-0.0036	0.0003
AT. 120 O	X	0.0006	-0.0022	-0.0055	0.0039	-0.0028	-0.0004
	Y	0.0045	-0.0064	-0.0111	-0.0006	-0.0053	-0.0058
	Z	0.0043	-0.0008	-0.0036	-0.0017	0.0036	0.0003
AT. 121 O	X	-0.0006	0.0022	-0.0055	0.0039	0.0028	-0.0004
	Y	0.0045	-0.0064	0.0111	0.0006	-0.0053	0.0058
	Z	-0.0043	0.0008	-0.0036	-0.0017	-0.0036	0.0003
AT. 122 O	X	-0.0006	-0.0022	-0.0055	0.0039	0.0028	0.0004
	Y	0.0045	0.0064	0.0111	0.0006	-0.0053	-0.0058
	Z	0.0043	0.0008	0.0036	0.0017	0.0036	0.0003
AT. 123 O	X	0.0006	0.0022	0.0055	0.0039	0.0028	0.0004
	Y	0.0045	0.0064	0.0111	-0.0006	0.0053	0.0058
	Z	-0.0043	-0.0008	-0.0036	0.0017	0.0036	0.0003
AT. 124 O	X	0.0006	-0.0022	0.0055	0.0039	0.0028	-0.0004
	Y	0.0045	-0.0064	0.0111	-0.0006	0.0053	-0.0058
	Z	0.0043	-0.0008	0.0036	-0.0017	-0.0036	0.0003

FREQ(CM**-1)	511.57	511.86	512.42	516.37	516.60	519.14
AT. 1 SI X	0.0008	-0.0010	-0.0015	0.0029	-0.0020	0.0004
Y	0.0058	-0.0030	-0.0098	0.0014	-0.0009	0.0135
Z	0.0009	-0.0001	-0.0035	0.0019	0.0005	0.0023
AT. 2 SI X	0.0008	0.0010	0.0015	0.0029	0.0020	0.0004
Y	0.0058	0.0030	0.0098	0.0014	0.0009	0.0135
Z	-0.0009	-0.0001	-0.0035	-0.0019	0.0005	-0.0023
AT. 3 SI X	-0.0008	-0.0010	-0.0015	0.0029	0.0020	-0.0004
Y	0.0058	0.0030	0.0098	-0.0014	-0.0009	0.0135
Z	0.0009	0.0001	0.0035	-0.0019	0.0005	0.0023
AT. 4 SI X	-0.0008	0.0010	0.0015	0.0029	-0.0020	-0.0004
Y	0.0058	-0.0030	-0.0098	-0.0014	0.0009	0.0135
Z	-0.0009	0.0001	0.0035	0.0019	0.0005	-0.0023
AT. 5 SI X	0.0008	0.0010	-0.0015	0.0029	0.0020	0.0004
Y	0.0058	0.0030	-0.0098	0.0014	0.0009	0.0135
Z	0.0009	0.0001	-0.0035	0.0019	-0.0005	0.0023
AT. 6 SI X	0.0008	-0.0010	0.0015	0.0029	-0.0020	0.0004
Y	0.0058	-0.0030	0.0098	0.0014	-0.0009	0.0135
Z	-0.0009	0.0001	-0.0035	-0.0019	-0.0005	-0.0023
AT. 7 SI X	-0.0008	0.0010	-0.0015	0.0029	-0.0020	-0.0004
Y	0.0058	-0.0030	0.0098	-0.0014	0.0009	0.0135
Z	0.0009	-0.0001	0.0035	-0.0019	-0.0005	0.0023
AT. 8 SI X	-0.0008	-0.0010	0.0015	0.0029	0.0020	-0.0004
Y	0.0058	0.0030	-0.0098	-0.0014	-0.0009	0.0135
Z	-0.0009	-0.0001	0.0035	0.0019	-0.0005	-0.0023
AT. 9 SI X	-0.0010	0.0009	-0.0032	0.0094	-0.0104	0.0003
Y	0.0129	-0.0134	-0.0017	-0.0059	0.0052	-0.0031
Z	-0.0017	0.0019	0.0066	-0.0048	0.0045	0.0010
AT. 10 SI X	-0.0010	-0.0009	0.0032	0.0094	0.0104	0.0003
Y	0.0129	0.0134	0.0017	-0.0059	-0.0052	-0.0031
Z	0.0017	0.0019	0.0066	0.0048	0.0045	-0.0010
AT. 11 SI X	0.0010	0.0009	-0.0032	0.0094	0.0104	-0.0003
Y	0.0129	0.0134	0.0017	0.0059	0.0052	-0.0031
Z	-0.0017	-0.0019	-0.0066	0.0048	0.0045	0.0010
AT. 12 SI X	0.0010	-0.0009	0.0032	0.0094	-0.0104	-0.0003
Y	0.0129	-0.0134	-0.0017	0.0059	-0.0052	-0.0031
Z	0.0017	-0.0019	-0.0066	-0.0048	0.0045	-0.0010
AT. 13 SI X	-0.0010	-0.0009	-0.0032	0.0094	0.0104	0.0003
Y	0.0129	0.0134	-0.0017	-0.0059	-0.0052	-0.0031
Z	-0.0017	-0.0019	0.0066	-0.0048	-0.0045	0.0010
AT. 14 SI X	-0.0010	0.0009	0.0032	0.0094	-0.0104	0.0003
Y	0.0129	-0.0134	0.0017	-0.0059	0.0052	-0.0031

	Z	0.0017	-0.0019	0.0066	0.0048	-0.0045	-0.0010
AT. 15 SI	X	0.0010	-0.0009	-0.0032	0.0094	-0.0104	-0.0003
	Y	0.0129	-0.0134	0.0017	0.0059	-0.0052	-0.0031
	Z	-0.0017	0.0019	-0.0066	0.0048	-0.0045	0.0010
AT. 16 SI	X	0.0010	0.0009	0.0032	0.0094	0.0104	-0.0003
	Y	0.0129	0.0134	-0.0017	0.0059	0.0052	-0.0031
	Z	0.0017	0.0019	-0.0066	-0.0048	-0.0045	-0.0010
AT. 17 SI	X	0.0000	0.0000	0.0000	-0.0027	0.0040	0.0000
	Y	0.0059	-0.0062	-0.0027	0.0000	0.0000	-0.0022
	Z	0.0000	0.0000	0.0000	-0.0005	-0.0020	0.0000
AT. 18 SI	X	0.0000	0.0000	0.0000	-0.0027	-0.0040	0.0000
	Y	0.0059	0.0062	0.0027	0.0000	0.0000	-0.0022
	Z	0.0000	0.0000	0.0000	0.0005	-0.0020	0.0000
AT. 19 SI	X	0.0000	0.0000	0.0000	-0.0027	-0.0040	0.0000
	Y	0.0059	0.0062	-0.0027	0.0000	0.0000	-0.0022
	Z	0.0000	0.0000	0.0000	-0.0005	0.0020	0.0000
AT. 20 SI	X	0.0000	0.0000	0.0000	-0.0027	0.0040	0.0000
	Y	0.0059	-0.0062	0.0027	0.0000	0.0000	-0.0022
	Z	0.0000	0.0000	0.0000	0.0005	0.0020	0.0000
AT. 21 CA	X	0.0000	0.0000	-0.0008	0.0008	-0.0005	-0.0003
	Y	-0.0010	0.0005	0.0002	0.0004	0.0000	-0.0027
	Z	-0.0016	0.0023	-0.0020	0.0017	-0.0020	0.0032
AT. 22 CA	X	0.0000	0.0000	0.0008	0.0008	0.0005	-0.0003
	Y	-0.0010	-0.0005	-0.0002	0.0004	0.0000	-0.0027
	Z	0.0016	0.0023	-0.0020	-0.0017	-0.0020	-0.0032
AT. 23 CA	X	0.0000	0.0000	-0.0008	0.0008	0.0005	0.0003
	Y	-0.0010	-0.0005	-0.0002	-0.0004	0.0000	-0.0027
	Z	-0.0016	-0.0023	0.0020	-0.0017	-0.0020	0.0032
AT. 24 CA	X	0.0000	0.0000	0.0008	0.0008	-0.0005	0.0003
	Y	-0.0010	0.0005	0.0002	-0.0004	0.0000	-0.0027
	Z	0.0016	-0.0023	0.0020	0.0017	-0.0020	-0.0032
AT. 25 CA	X	0.0000	0.0000	-0.0008	0.0008	0.0005	-0.0003
	Y	-0.0010	-0.0005	0.0002	0.0004	0.0000	-0.0027
	Z	-0.0016	-0.0023	-0.0020	0.0017	0.0020	0.0032
AT. 26 CA	X	0.0000	0.0000	0.0008	0.0008	-0.0005	-0.0003
	Y	-0.0010	0.0005	-0.0002	0.0004	0.0000	-0.0027
	Z	0.0016	-0.0023	-0.0020	-0.0017	0.0020	-0.0032
AT. 27 CA	X	0.0000	0.0000	-0.0008	0.0008	-0.0005	0.0003
	Y	-0.0010	0.0005	-0.0002	-0.0004	0.0000	-0.0027
	Z	-0.0016	0.0023	0.0020	-0.0017	0.0020	0.0032
AT. 28 CA	X	0.0000	0.0000	0.0008	0.0008	0.0005	0.0003
	Y	-0.0010	-0.0005	0.0002	-0.0004	0.0000	-0.0027
	Z	0.0016	0.0023	0.0020	0.0017	0.0020	-0.0032
AT. 29 CA	X	-0.0007	0.0000	0.0010	-0.0007	0.0000	0.0001
	Y	0.0002	0.0000	-0.0039	0.0002	0.0000	0.0019
	Z	-0.0010	0.0000	0.0002	0.0003	0.0000	0.0034
AT. 30 CA	X	-0.0007	0.0000	-0.0010	-0.0007	0.0000	0.0001
	Y	0.0002	0.0000	0.0039	0.0002	0.0000	0.0019
	Z	0.0010	0.0000	0.0002	-0.0003	0.0000	-0.0034
AT. 31 CA	X	0.0007	0.0000	0.0010	-0.0007	0.0000	-0.0001
	Y	0.0002	0.0000	0.0039	-0.0002	0.0000	0.0019
	Z	-0.0010	0.0000	-0.0002	-0.0003	0.0000	0.0034
AT. 32 CA	X	0.0007	0.0000	-0.0010	-0.0007	0.0000	-0.0001
	Y	0.0002	0.0000	-0.0039	-0.0002	0.0000	0.0019
	Z	0.0010	0.0000	-0.0002	0.0003	0.0000	-0.0034
AT. 33 CA	X	-0.0006	0.0006	0.0007	-0.0005	0.0007	0.0000
	Y	0.0011	-0.0008	-0.0015	-0.0017	0.0019	0.0010
	Z	-0.0017	0.0018	-0.0003	-0.0010	0.0008	0.0012
AT. 34 CA	X	-0.0006	-0.0006	-0.0007	-0.0005	-0.0007	0.0000
	Y	0.0011	0.0008	0.0015	-0.0017	-0.0019	0.0010
	Z	0.0017	0.0018	-0.0003	0.0010	0.0008	-0.0012

AT.	35	CA	X	0.0006	0.0006	0.0007	-0.0005	-0.0007	0.0000
			Y	0.0011	0.0008	0.0015	0.0017	0.0019	0.0010
			Z	-0.0017	-0.0018	0.0003	0.0010	0.0008	0.0012
AT.	36	CA	X	0.0006	-0.0006	-0.0007	-0.0005	0.0007	0.0000
			Y	0.0011	-0.0008	-0.0015	0.0017	-0.0019	0.0010
			Z	0.0017	-0.0018	0.0003	-0.0010	0.0008	-0.0012
AT.	37	CA	X	-0.0006	-0.0006	0.0007	-0.0005	-0.0007	0.0000
			Y	0.0011	0.0008	-0.0015	-0.0017	-0.0019	0.0010
			Z	-0.0017	-0.0018	-0.0003	-0.0010	-0.0008	0.0012
AT.	38	CA	X	-0.0006	0.0006	-0.0007	-0.0005	0.0007	0.0000
			Y	0.0011	-0.0008	0.0015	-0.0017	0.0019	0.0010
			Z	0.0017	-0.0018	-0.0003	0.0010	-0.0008	-0.0012
AT.	39	CA	X	0.0006	-0.0006	0.0007	-0.0005	0.0007	0.0000
			Y	0.0011	-0.0008	0.0015	0.0017	-0.0019	0.0010
			Z	-0.0017	0.0018	0.0003	0.0010	-0.0008	0.0012
AT.	40	CA	X	0.0006	0.0006	-0.0007	-0.0005	-0.0007	0.0000
			Y	0.0011	0.0008	-0.0015	0.0017	0.0019	0.0010
			Z	0.0017	0.0018	0.0003	-0.0010	-0.0008	-0.0012
AT.	41	CA	X	0.0000	-0.0002	0.0015	-0.0007	0.0006	-0.0005
			Y	-0.0014	0.0013	0.0022	-0.0005	0.0003	-0.0002
			Z	-0.0025	0.0020	0.0011	0.0002	-0.0007	-0.0016
AT.	42	CA	X	0.0000	0.0002	-0.0015	-0.0007	-0.0006	-0.0005
			Y	-0.0014	-0.0013	-0.0022	-0.0005	-0.0003	-0.0002
			Z	0.0025	0.0020	0.0011	-0.0002	-0.0007	0.0016
AT.	43	CA	X	0.0000	-0.0002	0.0015	-0.0007	-0.0006	0.0005
			Y	-0.0014	-0.0013	-0.0022	0.0005	0.0003	-0.0002
			Z	-0.0025	-0.0020	-0.0011	-0.0002	-0.0007	-0.0016
AT.	44	CA	X	0.0000	0.0002	-0.0015	-0.0007	0.0006	0.0005
			Y	-0.0014	0.0013	0.0022	0.0005	-0.0003	-0.0002
			Z	0.0025	-0.0020	-0.0011	0.0002	-0.0007	0.0016
AT.	45	CA	X	0.0000	0.0002	0.0015	-0.0007	-0.0006	-0.0005
			Y	-0.0014	-0.0013	0.0022	-0.0005	-0.0003	-0.0002
			Z	-0.0025	-0.0020	0.0011	0.0002	0.0007	-0.0016
AT.	46	CA	X	0.0000	-0.0002	-0.0015	-0.0007	0.0006	-0.0005
			Y	-0.0014	0.0013	-0.0022	-0.0005	0.0003	-0.0002
			Z	0.0025	-0.0020	0.0011	-0.0002	0.0007	0.0016
AT.	47	CA	X	0.0000	0.0002	0.0015	-0.0007	0.0006	0.0005
			Y	-0.0014	0.0013	-0.0022	0.0005	-0.0003	-0.0002
			Z	-0.0025	0.0020	-0.0011	-0.0002	0.0007	-0.0016
AT.	48	CA	X	0.0000	-0.0002	-0.0015	-0.0007	-0.0006	0.0005
			Y	-0.0014	-0.0013	0.0022	0.0005	0.0003	-0.0002
			Z	0.0025	0.0020	-0.0011	0.0002	0.0007	0.0016
AT.	49	CA	X	0.0000	0.0000	0.0000	-0.0011	0.0012	0.0000
			Y	-0.0009	0.0009	0.0003	0.0000	0.0000	0.0003
			Z	0.0000	0.0000	0.0000	0.0005	-0.0005	0.0000
AT.	50	CA	X	0.0000	0.0000	0.0000	-0.0011	-0.0012	0.0000
			Y	-0.0009	-0.0009	-0.0003	0.0000	0.0000	0.0003
			Z	0.0000	0.0000	0.0000	-0.0005	-0.0005	0.0000
AT.	51	CA	X	0.0000	0.0000	0.0000	-0.0011	-0.0012	0.0000
			Y	-0.0009	-0.0009	0.0003	0.0000	0.0000	0.0003
			Z	0.0000	0.0000	0.0000	0.0005	0.0005	0.0000
AT.	52	CA	X	0.0000	0.0000	0.0000	-0.0011	0.0012	0.0000
			Y	-0.0009	0.0009	-0.0003	0.0000	0.0000	0.0003
			Z	0.0000	0.0000	0.0000	-0.0005	0.0005	0.0000
AT.	53	O	X	-0.0010	0.0027	-0.0067	-0.0022	0.0020	0.0027
			Y	0.0063	-0.0040	-0.0147	0.0030	-0.0017	0.0138
			Z	0.0017	-0.0033	0.0046	-0.0026	-0.0017	-0.0109
AT.	54	O	X	-0.0010	-0.0027	0.0067	-0.0022	-0.0020	0.0027
			Y	0.0063	0.0040	0.0147	0.0030	0.0017	0.0138
			Z	-0.0017	-0.0033	0.0046	0.0026	-0.0017	0.0109
AT.	55	O	X	0.0010	0.0027	-0.0067	-0.0022	-0.0020	-0.0027

		Y	0.0063	0.0040	0.0147	-0.0030	-0.0017	0.0138
		Z	0.0017	0.0033	-0.0046	0.0026	-0.0017	-0.0109
AT.	56 O	X	0.0010	-0.0027	0.0067	-0.0022	0.0020	-0.0027
		Y	0.0063	-0.0040	-0.0147	-0.0030	0.0017	0.0138
		Z	-0.0017	0.0033	-0.0046	-0.0026	-0.0017	0.0109
AT.	57 O	X	-0.0010	-0.0027	-0.0067	-0.0022	-0.0020	0.0027
		Y	0.0063	0.0040	-0.0147	0.0030	0.0017	0.0138
		Z	0.0017	0.0033	0.0046	-0.0026	0.0017	-0.0109
AT.	58 O	X	-0.0010	0.0027	0.0067	-0.0022	0.0020	0.0027
		Y	0.0063	-0.0040	0.0147	0.0030	-0.0017	0.0138
		Z	-0.0017	0.0033	0.0046	0.0026	0.0017	0.0109
AT.	59 O	X	0.0010	-0.0027	-0.0067	-0.0022	0.0020	-0.0027
		Y	0.0063	-0.0040	0.0147	-0.0030	0.0017	0.0138
		Z	0.0017	-0.0033	-0.0046	0.0026	0.0017	-0.0109
AT.	60 O	X	0.0010	0.0027	0.0067	-0.0022	-0.0020	-0.0027
		Y	0.0063	0.0040	-0.0147	-0.0030	-0.0017	0.0138
		Z	-0.0017	-0.0033	-0.0046	-0.0026	0.0017	0.0109
AT.	61 O	X	0.0019	-0.0027	0.0026	-0.0006	-0.0016	-0.0066
		Y	-0.0063	0.0050	0.0103	-0.0008	0.0025	-0.0059
		Z	0.0048	-0.0011	-0.0136	-0.0006	0.0008	0.0152
AT.	62 O	X	0.0019	0.0027	-0.0026	-0.0006	0.0016	-0.0066
		Y	-0.0063	-0.0050	-0.0103	-0.0008	-0.0025	-0.0059
		Z	-0.0048	-0.0011	-0.0136	0.0006	0.0008	-0.0152
AT.	63 O	X	-0.0019	-0.0027	0.0026	-0.0006	0.0016	0.0066
		Y	-0.0063	-0.0050	-0.0103	0.0008	0.0025	-0.0059
		Z	0.0048	0.0011	0.0136	0.0006	0.0008	0.0152
AT.	64 O	X	-0.0019	0.0027	-0.0026	-0.0006	-0.0016	0.0066
		Y	-0.0063	0.0050	0.0103	0.0008	-0.0025	-0.0059
		Z	-0.0048	0.0011	0.0136	-0.0006	0.0008	-0.0152
AT.	65 O	X	0.0019	0.0027	0.0026	-0.0006	0.0016	-0.0066
		Y	-0.0063	-0.0050	0.0103	-0.0008	-0.0025	-0.0059
		Z	0.0048	0.0011	-0.0136	-0.0006	-0.0008	0.0152
AT.	66 O	X	0.0019	-0.0027	-0.0026	-0.0006	-0.0016	-0.0066
		Y	-0.0063	0.0050	-0.0103	-0.0008	0.0025	-0.0059
		Z	-0.0048	0.0011	-0.0136	0.0006	-0.0008	-0.0152
AT.	67 O	X	-0.0019	0.0027	0.0026	-0.0006	-0.0016	0.0066
		Y	-0.0063	0.0050	-0.0103	0.0008	-0.0025	-0.0059
		Z	0.0048	-0.0011	0.0136	0.0006	-0.0008	0.0152
AT.	68 O	X	-0.0019	-0.0027	-0.0026	-0.0006	0.0016	0.0066
		Y	-0.0063	-0.0050	0.0103	0.0008	0.0025	-0.0059
		Z	-0.0048	-0.0011	0.0136	-0.0006	-0.0008	-0.0152
AT.	69 O	X	-0.0028	0.0029	0.0057	-0.0031	0.0036	0.0029
		Y	-0.0040	0.0008	0.0150	-0.0032	-0.0001	-0.0180
		Z	-0.0037	0.0019	0.0104	0.0014	-0.0006	-0.0092
AT.	70 O	X	-0.0028	-0.0029	-0.0057	-0.0031	-0.0036	0.0029
		Y	-0.0040	-0.0008	-0.0150	-0.0032	0.0001	-0.0180
		Z	0.0037	0.0019	0.0104	-0.0014	-0.0006	0.0092
AT.	71 O	X	0.0028	0.0029	0.0057	-0.0031	-0.0036	-0.0029
		Y	-0.0040	-0.0008	-0.0150	0.0032	-0.0001	-0.0180
		Z	-0.0037	-0.0019	-0.0104	-0.0014	-0.0006	-0.0092
AT.	72 O	X	0.0028	-0.0029	-0.0057	-0.0031	0.0036	-0.0029
		Y	-0.0040	0.0008	0.0150	0.0032	0.0001	-0.0180
		Z	0.0037	-0.0019	-0.0104	0.0014	-0.0006	0.0092
AT.	73 O	X	-0.0028	-0.0029	0.0057	-0.0031	-0.0036	0.0029
		Y	-0.0040	-0.0008	0.0150	-0.0032	0.0001	-0.0180
		Z	-0.0037	-0.0019	0.0104	0.0014	0.0006	-0.0092
AT.	74 O	X	-0.0028	0.0029	-0.0057	-0.0031	0.0036	0.0029
		Y	-0.0040	0.0008	-0.0150	-0.0032	-0.0001	-0.0180
		Z	0.0037	-0.0019	0.0104	-0.0014	0.0006	0.0092
AT.	75 O	X	0.0028	-0.0029	0.0057	-0.0031	0.0036	-0.0029
		Y	-0.0040	0.0008	-0.0150	0.0032	0.0001	-0.0180

		Z	-0.0037	0.0019	-0.0104	-0.0014	0.0006	-0.0092
AT.	76 O	X	0.0028	0.0029	-0.0057	-0.0031	-0.0036	-0.0029
		Y	-0.0040	-0.0008	0.0150	0.0032	-0.0001	-0.0180
		Z	0.0037	0.0019	-0.0104	0.0014	0.0006	0.0092
AT.	77 O	X	0.0009	-0.0010	-0.0016	0.0036	-0.0025	0.0000
		Y	-0.0031	0.0006	0.0139	-0.0005	-0.0001	-0.0127
		Z	0.0025	-0.0040	0.0014	-0.0008	-0.0016	-0.0095
AT.	78 O	X	0.0009	0.0010	0.0016	0.0036	0.0025	0.0000
		Y	-0.0031	-0.0006	-0.0139	-0.0005	0.0001	-0.0127
		Z	-0.0025	-0.0040	0.0014	0.0008	-0.0016	0.0095
AT.	79 O	X	-0.0009	-0.0010	-0.0016	0.0036	0.0025	0.0000
		Y	-0.0031	-0.0006	-0.0139	0.0005	-0.0001	-0.0127
		Z	0.0025	0.0040	-0.0014	0.0008	-0.0016	-0.0095
AT.	80 O	X	-0.0009	0.0010	0.0016	0.0036	-0.0025	0.0000
		Y	-0.0031	0.0006	0.0139	0.0005	0.0001	-0.0127
		Z	-0.0025	0.0040	-0.0014	-0.0008	-0.0016	0.0095
AT.	81 O	X	0.0009	0.0010	-0.0016	0.0036	0.0025	0.0000
		Y	-0.0031	-0.0006	0.0139	-0.0005	0.0001	-0.0127
		Z	0.0025	0.0040	0.0014	-0.0008	0.0016	-0.0095
AT.	82 O	X	0.0009	-0.0010	0.0016	0.0036	-0.0025	0.0000
		Y	-0.0031	0.0006	-0.0139	-0.0005	-0.0001	-0.0127
		Z	-0.0025	0.0040	0.0014	0.0008	0.0016	0.0095
AT.	83 O	X	-0.0009	0.0010	-0.0016	0.0036	-0.0025	0.0000
		Y	-0.0031	0.0006	-0.0139	0.0005	0.0001	-0.0127
		Z	0.0025	-0.0040	-0.0014	0.0008	0.0016	-0.0095
AT.	84 O	X	-0.0009	-0.0010	0.0016	0.0036	0.0025	0.0000
		Y	-0.0031	-0.0006	0.0139	0.0005	-0.0001	-0.0127
		Z	-0.0025	-0.0040	-0.0014	-0.0008	0.0016	0.0095
AT.	85 O	X	0.0024	-0.0022	0.0044	-0.0058	0.0071	0.0002
		Y	-0.0146	0.0152	0.0067	-0.0032	0.0032	0.0044
		Z	0.0130	-0.0136	0.0030	-0.0158	0.0167	-0.0043
AT.	86 O	X	0.0024	0.0022	-0.0044	-0.0058	-0.0071	0.0002
		Y	-0.0146	-0.0152	-0.0067	-0.0032	-0.0032	0.0044
		Z	-0.0130	-0.0136	0.0030	0.0158	0.0167	0.0043
AT.	87 O	X	-0.0024	-0.0022	0.0044	-0.0058	-0.0071	-0.0002
		Y	-0.0146	-0.0152	-0.0067	0.0032	0.0032	0.0044
		Z	0.0130	0.0136	-0.0030	0.0158	0.0167	-0.0043
AT.	88 O	X	-0.0024	0.0022	-0.0044	-0.0058	0.0071	-0.0002
		Y	-0.0146	0.0152	0.0067	0.0032	-0.0032	0.0044
		Z	-0.0130	0.0136	-0.0030	-0.0158	0.0167	0.0043
AT.	89 O	X	0.0024	0.0022	0.0044	-0.0058	-0.0071	0.0002
		Y	-0.0146	-0.0152	0.0067	-0.0032	-0.0032	0.0044
		Z	0.0130	0.0136	0.0030	-0.0158	-0.0167	-0.0043
AT.	90 O	X	0.0024	-0.0022	-0.0044	-0.0058	0.0071	0.0002
		Y	-0.0146	0.0152	-0.0067	-0.0032	0.0032	0.0044
		Z	-0.0130	0.0136	0.0030	0.0158	-0.0167	0.0043
AT.	91 O	X	-0.0024	0.0022	0.0044	-0.0058	0.0071	-0.0002
		Y	-0.0146	0.0152	-0.0067	0.0032	-0.0032	0.0044
		Z	0.0130	-0.0136	-0.0030	0.0158	-0.0167	-0.0043
AT.	92 O	X	-0.0024	-0.0022	-0.0044	-0.0058	-0.0071	-0.0002
		Y	-0.0146	-0.0152	0.0067	0.0032	0.0032	0.0044
		Z	-0.0130	-0.0136	-0.0030	-0.0158	-0.0167	0.0043
AT.	93 O	X	0.0057	-0.0060	0.0061	-0.0200	0.0207	-0.0016
		Y	0.0096	-0.0101	-0.0044	0.0016	-0.0033	-0.0021
		Z	0.0052	-0.0051	-0.0064	0.0115	-0.0104	-0.0010
AT.	94 O	X	0.0057	0.0060	-0.0061	-0.0200	-0.0207	-0.0016
		Y	0.0096	0.0101	0.0044	0.0016	0.0033	-0.0021
		Z	-0.0052	-0.0051	-0.0064	-0.0115	-0.0104	0.0010
AT.	95 O	X	-0.0057	-0.0060	0.0061	-0.0200	-0.0207	0.0016
		Y	0.0096	0.0101	0.0044	-0.0016	-0.0033	-0.0021
		Z	0.0052	0.0051	0.0064	-0.0115	-0.0104	-0.0010

AT. 96	O	X	-0.0057	0.0060	-0.0061	-0.0200	0.0207	0.0016
		Y	0.0096	-0.0101	-0.0044	-0.0016	0.0033	-0.0021
		Z	-0.0052	0.0051	0.0064	0.0115	-0.0104	0.0010
AT. 97	O	X	0.0057	0.0060	0.0061	-0.0200	-0.0207	-0.0016
		Y	0.0096	0.0101	-0.0044	0.0016	0.0033	-0.0021
		Z	0.0052	0.0051	-0.0064	0.0115	0.0104	-0.0010
AT. 98	O	X	0.0057	-0.0060	-0.0061	-0.0200	0.0207	-0.0016
		Y	0.0096	-0.0101	0.0044	0.0016	-0.0033	-0.0021
		Z	-0.0052	0.0051	-0.0064	-0.0115	0.0104	0.0010
AT. 99	O	X	-0.0057	0.0060	0.0061	-0.0200	0.0207	0.0016
		Y	0.0096	-0.0101	0.0044	-0.0016	0.0033	-0.0021
		Z	0.0052	-0.0051	0.0064	-0.0115	0.0104	-0.0010
AT. 100	O	X	-0.0057	-0.0060	-0.0061	-0.0200	-0.0207	0.0016
		Y	0.0096	0.0101	-0.0044	-0.0016	-0.0033	-0.0021
		Z	-0.0052	-0.0051	0.0064	0.0115	0.0104	0.0010
AT. 101	O	X	-0.0054	0.0049	-0.0050	0.0048	-0.0041	0.0004
		Y	-0.0082	0.0088	-0.0026	0.0121	-0.0103	0.0026
		Z	-0.0183	0.0189	0.0012	0.0105	-0.0102	0.0048
AT. 102	O	X	-0.0054	-0.0049	0.0050	0.0048	0.0041	0.0004
		Y	-0.0082	-0.0088	0.0026	0.0121	0.0103	0.0026
		Z	0.0183	0.0189	0.0012	-0.0105	-0.0102	-0.0048
AT. 103	O	X	0.0054	0.0049	-0.0050	0.0048	0.0041	-0.0004
		Y	-0.0082	-0.0088	0.0026	-0.0121	-0.0103	0.0026
		Z	-0.0183	-0.0189	-0.0012	-0.0105	-0.0102	0.0048
AT. 104	O	X	0.0054	-0.0049	0.0050	0.0048	-0.0041	-0.0004
		Y	-0.0082	0.0088	-0.0026	-0.0121	0.0103	0.0026
		Z	0.0183	-0.0189	-0.0012	0.0105	-0.0102	-0.0048
AT. 105	O	X	-0.0054	-0.0049	-0.0050	0.0048	0.0041	0.0004
		Y	-0.0082	-0.0088	-0.0026	0.0121	0.0103	0.0026
		Z	-0.0183	-0.0189	0.0012	0.0105	0.0102	0.0048
AT. 106	O	X	-0.0054	0.0049	0.0050	0.0048	-0.0041	0.0004
		Y	-0.0082	0.0088	0.0026	0.0121	-0.0103	0.0026
		Z	0.0183	-0.0189	0.0012	-0.0105	0.0102	-0.0048
AT. 107	O	X	0.0054	-0.0049	-0.0050	0.0048	-0.0041	-0.0004
		Y	-0.0082	0.0088	0.0026	-0.0121	0.0103	0.0026
		Z	-0.0183	0.0189	-0.0012	-0.0105	0.0102	0.0048
AT. 108	O	X	0.0054	0.0049	0.0050	0.0048	0.0041	-0.0004
		Y	-0.0082	-0.0088	-0.0026	-0.0121	-0.0103	0.0026
		Z	0.0183	0.0189	-0.0012	0.0105	0.0102	-0.0048
AT. 109	O	X	0.0003	-0.0004	-0.0039	0.0094	-0.0104	-0.0001
		Y	-0.0148	0.0153	0.0004	0.0129	-0.0126	0.0038
		Z	0.0052	-0.0049	-0.0017	0.0027	-0.0022	-0.0002
AT. 110	O	X	0.0003	0.0004	0.0039	0.0094	0.0104	-0.0001
		Y	-0.0148	-0.0153	-0.0004	0.0129	0.0126	0.0038
		Z	-0.0052	-0.0049	-0.0017	-0.0027	-0.0022	0.0002
AT. 111	O	X	-0.0003	-0.0004	-0.0039	0.0094	0.0104	0.0001
		Y	-0.0148	-0.0153	-0.0004	-0.0129	-0.0126	0.0038
		Z	0.0052	0.0049	0.0017	-0.0027	-0.0022	-0.0002
AT. 112	O	X	-0.0003	0.0004	0.0039	0.0094	-0.0104	0.0001
		Y	-0.0148	0.0153	0.0004	-0.0129	0.0126	0.0038
		Z	-0.0052	0.0049	0.0017	0.0027	-0.0022	0.0002
AT. 113	O	X	0.0003	0.0004	-0.0039	0.0094	0.0104	-0.0001
		Y	-0.0148	-0.0153	0.0004	0.0129	0.0126	0.0038
		Z	0.0052	0.0049	-0.0017	0.0027	0.0022	-0.0002
AT. 114	O	X	0.0003	-0.0004	0.0039	0.0094	-0.0104	-0.0001
		Y	-0.0148	0.0153	-0.0004	0.0129	-0.0126	0.0038
		Z	-0.0052	0.0049	-0.0017	-0.0027	0.0022	0.0002
AT. 115	O	X	-0.0003	0.0004	-0.0039	0.0094	-0.0104	0.0001
		Y	-0.0148	0.0153	-0.0004	-0.0129	0.0126	0.0038
		Z	0.0052	-0.0049	0.0017	-0.0027	0.0022	-0.0002
AT. 116	O	X	-0.0003	-0.0004	0.0039	0.0094	0.0104	0.0001

	Y	-0.0148	-0.0153	0.0004	-0.0129	-0.0126	0.0038
	Z	-0.0052	-0.0049	0.0017	0.0027	0.0022	0.0002
AT. 117 O	X	0.0042	-0.0044	-0.0048	-0.0016	0.0002	-0.0014
	Y	0.0013	-0.0011	0.0089	-0.0088	0.0080	0.0001
	Z	-0.0016	0.0015	-0.0041	0.0028	-0.0021	-0.0003
AT. 118 O	X	0.0042	0.0044	0.0048	-0.0016	-0.0002	-0.0014
	Y	0.0013	0.0011	-0.0089	-0.0088	-0.0080	0.0001
	Z	0.0016	0.0015	-0.0041	-0.0028	-0.0021	0.0003
AT. 119 O	X	-0.0042	-0.0044	-0.0048	-0.0016	-0.0002	0.0014
	Y	0.0013	0.0011	-0.0089	0.0088	0.0080	0.0001
	Z	-0.0016	-0.0015	0.0041	-0.0028	-0.0021	-0.0003
AT. 120 O	X	-0.0042	0.0044	0.0048	-0.0016	0.0002	0.0014
	Y	0.0013	-0.0011	0.0089	0.0088	-0.0080	0.0001
	Z	0.0016	-0.0015	0.0041	0.0028	-0.0021	0.0003
AT. 121 O	X	0.0042	0.0044	-0.0048	-0.0016	-0.0002	-0.0014
	Y	0.0013	0.0011	0.0089	-0.0088	-0.0080	0.0001
	Z	-0.0016	-0.0015	-0.0041	0.0028	0.0021	-0.0003
AT. 122 O	X	0.0042	-0.0044	0.0048	-0.0016	0.0002	-0.0014
	Y	0.0013	-0.0011	-0.0089	-0.0088	0.0080	0.0001
	Z	0.0016	-0.0015	-0.0041	-0.0028	0.0021	0.0003
AT. 123 O	X	-0.0042	0.0044	-0.0048	-0.0016	0.0002	0.0014
	Y	0.0013	-0.0011	-0.0089	0.0088	-0.0080	0.0001
	Z	-0.0016	0.0015	0.0041	-0.0028	0.0021	-0.0003
AT. 124 O	X	-0.0042	-0.0044	0.0048	-0.0016	-0.0002	0.0014
	Y	0.0013	0.0011	0.0089	0.0088	0.0080	0.0001
	Z	0.0016	0.0015	0.0041	0.0028	0.0021	0.0003

FREQ(CM**-1)		519.78	522.26	523.00	529.86	530.88	531.14
AT. 1 SI	X	-0.0011	0.0020	-0.0009	-0.0011	0.0007	-0.0019
	Y	-0.0145	-0.0017	0.0013	-0.0063	0.0069	-0.0104
	Z	-0.0001	0.0010	-0.0023	0.0050	-0.0075	0.0009
AT. 2 SI	X	0.0011	-0.0020	-0.0009	-0.0011	-0.0007	-0.0019
	Y	0.0145	0.0017	0.0013	-0.0063	-0.0069	-0.0104
	Z	-0.0001	0.0010	0.0023	-0.0050	-0.0075	-0.0009
AT. 3 SI	X	0.0011	0.0020	0.0009	-0.0011	-0.0007	-0.0019
	Y	-0.0145	0.0017	0.0013	0.0063	0.0069	0.0104
	Z	-0.0001	-0.0010	-0.0023	-0.0050	-0.0075	-0.0009
AT. 4 SI	X	-0.0011	-0.0020	0.0009	-0.0011	0.0007	-0.0019
	Y	0.0145	-0.0017	0.0013	0.0063	-0.0069	0.0104
	Z	-0.0001	-0.0010	0.0023	0.0050	-0.0075	0.0009
AT. 5 SI	X	-0.0011	0.0020	0.0009	-0.0011	-0.0007	0.0019
	Y	-0.0145	-0.0017	-0.0013	-0.0063	-0.0069	0.0104
	Z	-0.0001	0.0010	0.0023	0.0050	0.0075	-0.0009
AT. 6 SI	X	0.0011	-0.0020	0.0009	-0.0011	0.0007	0.0019
	Y	0.0145	0.0017	-0.0013	-0.0063	0.0069	0.0104
	Z	-0.0001	0.0010	-0.0023	-0.0050	0.0075	0.0009
AT. 7 SI	X	0.0011	0.0020	-0.0009	-0.0011	0.0007	0.0019
	Y	-0.0145	0.0017	-0.0013	0.0063	-0.0069	-0.0104
	Z	-0.0001	-0.0010	0.0023	-0.0050	0.0075	0.0009
AT. 8 SI	X	-0.0011	-0.0020	-0.0009	-0.0011	-0.0007	0.0019
	Y	0.0145	-0.0017	-0.0013	0.0063	0.0069	-0.0104
	Z	-0.0001	-0.0010	-0.0023	0.0050	0.0075	-0.0009
AT. 9 SI	X	-0.0016	0.0027	-0.0026	-0.0044	0.0038	-0.0003
	Y	0.0004	-0.0064	0.0068	-0.0030	0.0042	-0.0002
	Z	0.0026	-0.0049	0.0048	0.0017	-0.0015	0.0044
AT. 10 SI	X	0.0016	-0.0027	-0.0026	-0.0044	-0.0038	-0.0003
	Y	-0.0004	0.0064	0.0068	-0.0030	-0.0042	-0.0002
	Z	0.0026	-0.0049	-0.0048	-0.0017	-0.0015	-0.0044
AT. 11 SI	X	0.0016	0.0027	0.0026	-0.0044	-0.0038	-0.0003
	Y	0.0004	0.0064	0.0068	0.0030	0.0042	0.0002

	Z	0.0026	0.0049	0.0048	-0.0017	-0.0015	-0.0044
AT. 12 SI	X	-0.0016	-0.0027	0.0026	-0.0044	0.0038	-0.0003
	Y	-0.0004	-0.0064	0.0068	0.0030	-0.0042	0.0002
	Z	0.0026	0.0049	-0.0048	0.0017	-0.0015	0.0044
AT. 13 SI	X	-0.0016	0.0027	0.0026	-0.0044	-0.0038	0.0003
	Y	0.0004	-0.0064	-0.0068	-0.0030	-0.0042	0.0002
	Z	0.0026	-0.0049	-0.0048	0.0017	0.0015	-0.0044
AT. 14 SI	X	0.0016	-0.0027	0.0026	-0.0044	0.0038	0.0003
	Y	-0.0004	0.0064	-0.0068	-0.0030	0.0042	0.0002
	Z	0.0026	-0.0049	0.0048	-0.0017	0.0015	0.0044
AT. 15 SI	X	0.0016	0.0027	-0.0026	-0.0044	0.0038	0.0003
	Y	0.0004	0.0064	-0.0068	0.0030	-0.0042	-0.0002
	Z	0.0026	0.0049	-0.0048	-0.0017	0.0015	0.0044
AT. 16 SI	X	-0.0016	-0.0027	-0.0026	-0.0044	-0.0038	0.0003
	Y	-0.0004	-0.0064	-0.0068	0.0030	0.0042	-0.0002
	Z	0.0026	0.0049	0.0048	0.0017	0.0015	-0.0044
AT. 17 SI	X	-0.0007	0.0000	0.0000	0.0054	-0.0054	-0.0044
	Y	0.0000	0.0021	-0.0022	0.0000	0.0000	0.0000
	Z	-0.0004	0.0000	0.0000	-0.0107	0.0118	0.0012
AT. 18 SI	X	0.0007	0.0000	0.0000	0.0054	0.0054	-0.0044
	Y	0.0000	-0.0021	-0.0022	0.0000	0.0000	0.0000
	Z	-0.0004	0.0000	0.0000	0.0107	0.0118	-0.0012
AT. 19 SI	X	-0.0007	0.0000	0.0000	0.0054	0.0054	0.0044
	Y	0.0000	0.0021	0.0022	0.0000	0.0000	0.0000
	Z	-0.0004	0.0000	0.0000	-0.0107	-0.0118	-0.0012
AT. 20 SI	X	0.0007	0.0000	0.0000	0.0054	-0.0054	0.0044
	Y	0.0000	-0.0021	0.0022	0.0000	0.0000	0.0000
	Z	-0.0004	0.0000	0.0000	0.0107	-0.0118	0.0012
AT. 21 CA	X	0.0001	0.0004	-0.0001	-0.0002	0.0006	-0.0004
	Y	0.0027	0.0002	-0.0001	0.0020	-0.0016	0.0016
	Z	-0.0025	0.0011	-0.0023	-0.0018	-0.0012	0.0020
AT. 22 CA	X	-0.0001	-0.0004	-0.0001	-0.0002	-0.0006	-0.0004
	Y	-0.0027	-0.0002	-0.0001	0.0020	0.0016	0.0016
	Z	-0.0025	0.0011	0.0023	0.0018	-0.0012	-0.0020
AT. 23 CA	X	-0.0001	0.0004	0.0001	-0.0002	-0.0006	-0.0004
	Y	0.0027	-0.0002	-0.0001	-0.0020	-0.0016	-0.0016
	Z	-0.0025	-0.0011	-0.0023	0.0018	-0.0012	-0.0020
AT. 24 CA	X	0.0001	-0.0004	0.0001	-0.0002	0.0006	-0.0004
	Y	-0.0027	0.0002	-0.0001	-0.0020	0.0016	-0.0016
	Z	-0.0025	-0.0011	0.0023	-0.0018	-0.0012	0.0020
AT. 25 CA	X	0.0001	0.0004	0.0001	-0.0002	-0.0006	0.0004
	Y	0.0027	0.0002	0.0001	0.0020	0.0016	-0.0016
	Z	-0.0025	0.0011	0.0023	-0.0018	0.0012	-0.0020
AT. 26 CA	X	-0.0001	-0.0004	0.0001	-0.0002	0.0006	0.0004
	Y	-0.0027	-0.0002	0.0001	0.0020	-0.0016	-0.0016
	Z	-0.0025	0.0011	-0.0023	0.0018	0.0012	0.0020
AT. 27 CA	X	-0.0001	0.0004	-0.0001	-0.0002	0.0006	0.0004
	Y	0.0027	-0.0002	0.0001	-0.0020	0.0016	0.0016
	Z	-0.0025	-0.0011	0.0023	0.0018	0.0012	0.0020
AT. 28 CA	X	0.0001	-0.0004	-0.0001	-0.0002	-0.0006	0.0004
	Y	-0.0027	0.0002	0.0001	-0.0020	-0.0016	0.0016
	Z	-0.0025	-0.0011	-0.0023	-0.0018	0.0012	-0.0020
AT. 29 CA	X	0.0004	-0.0003	0.0000	0.0010	0.0000	0.0000
	Y	-0.0020	-0.0017	0.0000	-0.0030	0.0000	0.0000
	Z	-0.0016	0.0001	0.0000	0.0029	0.0000	0.0000
AT. 30 CA	X	-0.0004	0.0003	0.0000	0.0010	0.0000	0.0000
	Y	0.0020	0.0017	0.0000	-0.0030	0.0000	0.0000
	Z	-0.0016	0.0001	0.0000	-0.0029	0.0000	0.0000
AT. 31 CA	X	-0.0004	-0.0003	0.0000	0.0010	0.0000	0.0000
	Y	-0.0020	0.0017	0.0000	0.0030	0.0000	0.0000
	Z	-0.0016	-0.0001	0.0000	-0.0029	0.0000	0.0000

AT. 32 CA	X	0.0004	0.0003	0.0000	0.0010	0.0000	0.0000
	Y	0.0020	-0.0017	0.0000	0.0030	0.0000	0.0000
	Z	-0.0016	-0.0001	0.0000	0.0029	0.0000	0.0000
AT. 33 CA	X	0.0003	0.0003	-0.0005	0.0013	-0.0014	-0.0003
	Y	-0.0010	-0.0032	0.0029	-0.0015	0.0015	-0.0010
	Z	0.0006	-0.0004	0.0006	-0.0003	0.0006	0.0033
AT. 34 CA	X	-0.0003	-0.0003	-0.0005	0.0013	0.0014	-0.0003
	Y	0.0010	0.0032	0.0029	-0.0015	-0.0015	-0.0010
	Z	0.0006	-0.0004	-0.0006	0.0003	0.0006	-0.0033
AT. 35 CA	X	-0.0003	0.0003	0.0005	0.0013	0.0014	-0.0003
	Y	-0.0010	0.0032	0.0029	0.0015	0.0015	0.0010
	Z	0.0006	0.0004	0.0006	0.0003	0.0006	-0.0033
AT. 36 CA	X	0.0003	-0.0003	0.0005	0.0013	-0.0014	-0.0003
	Y	0.0010	-0.0032	0.0029	0.0015	-0.0015	0.0010
	Z	0.0006	0.0004	-0.0006	-0.0003	0.0006	0.0033
AT. 37 CA	X	0.0003	0.0003	0.0005	0.0013	0.0014	0.0003
	Y	-0.0010	-0.0032	-0.0029	-0.0015	-0.0015	0.0010
	Z	0.0006	-0.0004	-0.0006	-0.0003	-0.0006	-0.0033
AT. 38 CA	X	-0.0003	-0.0003	0.0005	0.0013	-0.0014	0.0003
	Y	0.0010	0.0032	-0.0029	-0.0015	0.0015	0.0010
	Z	0.0006	-0.0004	0.0006	0.0003	-0.0006	0.0033
AT. 39 CA	X	-0.0003	0.0003	-0.0005	0.0013	-0.0014	0.0003
	Y	-0.0010	0.0032	-0.0029	0.0015	-0.0015	-0.0010
	Z	0.0006	0.0004	-0.0006	0.0003	-0.0006	0.0033
AT. 40 CA	X	0.0003	-0.0003	-0.0005	0.0013	0.0014	0.0003
	Y	0.0010	-0.0032	-0.0029	0.0015	0.0015	-0.0010
	Z	0.0006	0.0004	0.0006	-0.0003	-0.0006	-0.0033
AT. 41 CA	X	-0.0003	-0.0012	0.0014	-0.0003	0.0005	-0.0006
	Y	0.0001	-0.0002	0.0002	-0.0006	0.0007	-0.0002
	Z	0.0030	0.0013	-0.0008	-0.0002	0.0005	0.0040
AT. 42 CA	X	0.0003	0.0012	0.0014	-0.0003	-0.0005	-0.0006
	Y	-0.0001	0.0002	0.0002	-0.0006	-0.0007	-0.0002
	Z	0.0030	0.0013	0.0008	0.0002	0.0005	-0.0040
AT. 43 CA	X	0.0003	-0.0012	-0.0014	-0.0003	-0.0005	-0.0006
	Y	0.0001	0.0002	0.0002	0.0006	0.0007	0.0002
	Z	0.0030	-0.0013	-0.0008	0.0002	0.0005	-0.0040
AT. 44 CA	X	-0.0003	0.0012	-0.0014	-0.0003	0.0005	-0.0006
	Y	-0.0001	-0.0002	0.0002	0.0006	-0.0007	0.0002
	Z	0.0030	-0.0013	0.0008	-0.0002	0.0005	0.0040
AT. 45 CA	X	-0.0003	-0.0012	-0.0014	-0.0003	-0.0005	0.0006
	Y	0.0001	-0.0002	-0.0002	-0.0006	-0.0007	0.0002
	Z	0.0030	0.0013	0.0008	-0.0002	-0.0005	-0.0040
AT. 46 CA	X	0.0003	0.0012	-0.0014	-0.0003	0.0005	0.0006
	Y	-0.0001	0.0002	-0.0002	-0.0006	0.0007	0.0002
	Z	0.0030	0.0013	-0.0008	0.0002	-0.0005	0.0040
AT. 47 CA	X	0.0003	-0.0012	0.0014	-0.0003	0.0005	0.0006
	Y	0.0001	0.0002	-0.0002	0.0006	-0.0007	-0.0002
	Z	0.0030	-0.0013	0.0008	0.0002	-0.0005	0.0040
AT. 48 CA	X	-0.0003	0.0012	0.0014	-0.0003	-0.0005	0.0006
	Y	-0.0001	-0.0002	-0.0002	0.0006	0.0007	-0.0002
	Z	0.0030	-0.0013	-0.0008	-0.0002	-0.0005	-0.0040
AT. 49 CA	X	0.0002	0.0000	0.0000	0.0002	-0.0001	0.0003
	Y	0.0000	-0.0036	0.0038	0.0000	0.0000	0.0000
	Z	0.0006	0.0000	0.0000	-0.0001	0.0000	0.0015
AT. 50 CA	X	-0.0002	0.0000	0.0000	0.0002	0.0001	0.0003
	Y	0.0000	0.0036	0.0038	0.0000	0.0000	0.0000
	Z	0.0006	0.0000	0.0000	0.0001	0.0000	-0.0015
AT. 51 CA	X	0.0002	0.0000	0.0000	0.0002	0.0001	-0.0003
	Y	0.0000	-0.0036	-0.0038	0.0000	0.0000	0.0000
	Z	0.0006	0.0000	0.0000	-0.0001	0.0000	-0.0015
AT. 52 CA	X	-0.0002	0.0000	0.0000	0.0002	-0.0001	-0.0003

		Y	0.0000	0.0036	-0.0038	0.0000	0.0000	0.0000
		Z	0.0006	0.0000	0.0000	0.0001	0.0000	0.0015
AT.	53 O	X	-0.0025	-0.0057	0.0036	-0.0065	0.0048	-0.0008
		Y	-0.0155	-0.0032	0.0027	-0.0116	0.0105	-0.0125
		Z	0.0046	-0.0013	0.0018	-0.0111	0.0117	-0.0061
AT.	54 O	X	0.0025	0.0057	0.0036	-0.0065	-0.0048	-0.0008
		Y	0.0155	0.0032	0.0027	-0.0116	-0.0105	-0.0125
		Z	0.0046	-0.0013	-0.0018	0.0111	0.0117	0.0061
AT.	55 O	X	0.0025	-0.0057	-0.0036	-0.0065	-0.0048	-0.0008
		Y	-0.0155	0.0032	0.0027	0.0116	0.0105	0.0125
		Z	0.0046	0.0013	0.0018	0.0111	0.0117	0.0061
AT.	56 O	X	-0.0025	0.0057	-0.0036	-0.0065	0.0048	-0.0008
		Y	0.0155	-0.0032	0.0027	0.0116	-0.0105	0.0125
		Z	0.0046	0.0013	-0.0018	-0.0111	0.0117	-0.0061
AT.	57 O	X	-0.0025	-0.0057	-0.0036	-0.0065	-0.0048	0.0008
		Y	-0.0155	-0.0032	-0.0027	-0.0116	-0.0105	0.0125
		Z	0.0046	-0.0013	-0.0018	-0.0111	-0.0117	0.0061
AT.	58 O	X	0.0025	0.0057	-0.0036	-0.0065	0.0048	0.0008
		Y	0.0155	0.0032	-0.0027	-0.0116	0.0105	0.0125
		Z	0.0046	-0.0013	0.0018	0.0111	-0.0117	-0.0061
AT.	59 O	X	0.0025	-0.0057	0.0036	-0.0065	0.0048	0.0008
		Y	-0.0155	0.0032	-0.0027	0.0116	-0.0105	-0.0125
		Z	0.0046	0.0013	-0.0018	0.0111	-0.0117	-0.0061
AT.	60 O	X	-0.0025	0.0057	0.0036	-0.0065	-0.0048	0.0008
		Y	0.0155	-0.0032	-0.0027	0.0116	0.0105	-0.0125
		Z	0.0046	0.0013	0.0018	-0.0111	-0.0117	0.0061
AT.	61 O	X	0.0041	0.0009	-0.0026	0.0000	-0.0006	-0.0013
		Y	0.0114	0.0036	-0.0029	0.0174	-0.0164	0.0153
		Z	-0.0153	-0.0061	0.0034	-0.0098	0.0085	-0.0108
AT.	62 O	X	-0.0041	-0.0009	-0.0026	0.0000	0.0006	-0.0013
		Y	-0.0114	-0.0036	-0.0029	0.0174	0.0164	0.0153
		Z	-0.0153	-0.0061	-0.0034	0.0098	0.0085	0.0108
AT.	63 O	X	-0.0041	0.0009	0.0026	0.0000	0.0006	-0.0013
		Y	0.0114	-0.0036	-0.0029	-0.0174	-0.0164	-0.0153
		Z	-0.0153	0.0061	0.0034	0.0098	0.0085	0.0108
AT.	64 O	X	0.0041	-0.0009	0.0026	0.0000	-0.0006	-0.0013
		Y	-0.0114	0.0036	-0.0029	-0.0174	0.0164	-0.0153
		Z	-0.0153	0.0061	-0.0034	-0.0098	0.0085	-0.0108
AT.	65 O	X	0.0041	0.0009	0.0026	0.0000	0.0006	0.0013
		Y	0.0114	0.0036	0.0029	0.0174	0.0164	-0.0153
		Z	-0.0153	-0.0061	-0.0034	-0.0098	-0.0085	0.0108
AT.	66 O	X	-0.0041	-0.0009	0.0026	0.0000	-0.0006	0.0013
		Y	-0.0114	-0.0036	0.0029	0.0174	-0.0164	-0.0153
		Z	-0.0153	-0.0061	0.0034	0.0098	-0.0085	-0.0108
AT.	67 O	X	-0.0041	0.0009	-0.0026	0.0000	-0.0006	0.0013
		Y	0.0114	-0.0036	0.0029	-0.0174	0.0164	0.0153
		Z	-0.0153	0.0061	-0.0034	0.0098	-0.0085	-0.0108
AT.	68 O	X	0.0041	-0.0009	-0.0026	0.0000	0.0006	0.0013
		Y	-0.0114	0.0036	0.0029	-0.0174	-0.0164	0.0153
		Z	-0.0153	0.0061	0.0034	-0.0098	-0.0085	0.0108
AT.	69 O	X	0.0005	-0.0004	0.0015	0.0064	-0.0044	0.0062
		Y	0.0153	0.0029	-0.0018	0.0029	-0.0027	0.0076
		Z	0.0110	0.0054	-0.0037	0.0130	-0.0115	0.0112
AT.	70 O	X	-0.0005	0.0004	0.0015	0.0064	0.0044	0.0062
		Y	-0.0153	-0.0029	-0.0018	0.0029	0.0027	0.0076
		Z	0.0110	0.0054	0.0037	-0.0130	-0.0115	-0.0112
AT.	71 O	X	-0.0005	-0.0004	-0.0015	0.0064	0.0044	0.0062
		Y	0.0153	-0.0029	-0.0018	-0.0029	-0.0027	-0.0076
		Z	0.0110	-0.0054	-0.0037	-0.0130	-0.0115	-0.0112
AT.	72 O	X	0.0005	0.0004	-0.0015	0.0064	-0.0044	0.0062
		Y	-0.0153	0.0029	-0.0018	-0.0029	0.0027	-0.0076

		Z	0.0110	-0.0054	0.0037	0.0130	-0.0115	0.0112
AT.	73 O	X	0.0005	-0.0004	-0.0015	0.0064	0.0044	-0.0062
		Y	0.0153	0.0029	0.0018	0.0029	0.0027	-0.0076
		Z	0.0110	0.0054	0.0037	0.0130	0.0115	-0.0112
AT.	74 O	X	-0.0005	0.0004	-0.0015	0.0064	-0.0044	-0.0062
		Y	-0.0153	-0.0029	0.0018	0.0029	-0.0027	-0.0076
		Z	0.0110	0.0054	-0.0037	-0.0130	0.0115	0.0112
AT.	75 O	X	-0.0005	-0.0004	0.0015	0.0064	-0.0044	-0.0062
		Y	0.0153	-0.0029	0.0018	-0.0029	0.0027	0.0076
		Z	0.0110	-0.0054	0.0037	-0.0130	0.0115	0.0112
AT.	76 O	X	0.0005	0.0004	0.0015	0.0064	0.0044	-0.0062
		Y	-0.0153	0.0029	0.0018	-0.0029	-0.0027	0.0076
		Z	0.0110	-0.0054	-0.0037	0.0130	0.0115	-0.0112
AT.	77 O	X	-0.0008	0.0025	-0.0012	-0.0009	0.0005	-0.0015
		Y	0.0131	0.0054	-0.0038	0.0111	-0.0102	0.0104
		Z	0.0042	0.0002	-0.0005	-0.0074	0.0068	-0.0056
AT.	78 O	X	0.0008	-0.0025	-0.0012	-0.0009	-0.0005	-0.0015
		Y	-0.0131	-0.0054	-0.0038	0.0111	0.0102	0.0104
		Z	0.0042	0.0002	0.0005	0.0074	0.0068	0.0056
AT.	79 O	X	0.0008	0.0025	0.0012	-0.0009	-0.0005	-0.0015
		Y	0.0131	-0.0054	-0.0038	-0.0111	-0.0102	-0.0104
		Z	0.0042	-0.0002	-0.0005	0.0074	0.0068	0.0056
AT.	80 O	X	-0.0008	-0.0025	0.0012	-0.0009	0.0005	-0.0015
		Y	-0.0131	0.0054	-0.0038	-0.0111	0.0102	-0.0104
		Z	0.0042	-0.0002	0.0005	-0.0074	0.0068	-0.0056
AT.	81 O	X	-0.0008	0.0025	0.0012	-0.0009	-0.0005	0.0015
		Y	0.0131	0.0054	0.0038	0.0111	0.0102	-0.0104
		Z	0.0042	0.0002	0.0005	-0.0074	-0.0068	0.0056
AT.	82 O	X	0.0008	-0.0025	0.0012	-0.0009	0.0005	0.0015
		Y	-0.0131	-0.0054	0.0038	0.0111	-0.0102	-0.0104
		Z	0.0042	0.0002	-0.0005	0.0074	-0.0068	-0.0056
AT.	83 O	X	0.0008	0.0025	-0.0012	-0.0009	0.0005	0.0015
		Y	0.0131	-0.0054	0.0038	-0.0111	0.0102	0.0104
		Z	0.0042	-0.0002	0.0005	0.0074	-0.0068	-0.0056
AT.	84 O	X	-0.0008	-0.0025	-0.0012	-0.0009	-0.0005	0.0015
		Y	-0.0131	0.0054	0.0038	-0.0111	-0.0102	0.0104
		Z	0.0042	-0.0002	-0.0005	-0.0074	-0.0068	0.0056
AT.	85 O	X	-0.0019	0.0015	-0.0011	0.0066	-0.0060	-0.0071
		Y	0.0027	0.0037	-0.0045	0.0024	-0.0028	0.0064
		Z	0.0048	-0.0141	0.0144	0.0030	-0.0013	0.0045
AT.	86 O	X	0.0019	-0.0015	-0.0011	0.0066	0.0060	-0.0071
		Y	-0.0027	-0.0037	-0.0045	0.0024	0.0028	0.0064
		Z	0.0048	-0.0141	-0.0144	-0.0030	-0.0013	-0.0045
AT.	87 O	X	0.0019	0.0015	0.0011	0.0066	0.0060	-0.0071
		Y	0.0027	-0.0037	-0.0045	-0.0024	-0.0028	-0.0064
		Z	0.0048	0.0141	0.0144	-0.0030	-0.0013	-0.0045
AT.	88 O	X	-0.0019	-0.0015	0.0011	0.0066	-0.0060	-0.0071
		Y	-0.0027	0.0037	-0.0045	-0.0024	0.0028	-0.0064
		Z	0.0048	0.0141	-0.0144	0.0030	-0.0013	0.0045
AT.	89 O	X	-0.0019	0.0015	0.0011	0.0066	0.0060	0.0071
		Y	0.0027	0.0037	0.0045	0.0024	0.0028	-0.0064
		Z	0.0048	-0.0141	-0.0144	0.0030	0.0013	-0.0045
AT.	90 O	X	0.0019	-0.0015	0.0011	0.0066	-0.0060	0.0071
		Y	-0.0027	-0.0037	0.0045	0.0024	-0.0028	-0.0064
		Z	0.0048	-0.0141	0.0144	-0.0030	0.0013	0.0045
AT.	91 O	X	0.0019	0.0015	-0.0011	0.0066	-0.0060	0.0071
		Y	0.0027	-0.0037	0.0045	-0.0024	0.0028	0.0064
		Z	0.0048	0.0141	-0.0144	-0.0030	0.0013	0.0045
AT.	92 O	X	-0.0019	-0.0015	-0.0011	0.0066	0.0060	0.0071
		Y	-0.0027	0.0037	0.0045	-0.0024	-0.0028	0.0064
		Z	0.0048	0.0141	0.0144	0.0030	0.0013	-0.0045

AT. 93	O	X	0.0044	-0.0148	0.0149	0.0020	-0.0002	0.0045
		Y	-0.0008	-0.0056	0.0061	-0.0081	0.0089	0.0000
		Z	-0.0062	0.0070	-0.0066	0.0023	-0.0032	-0.0117
AT. 94	O	X	-0.0044	0.0148	0.0149	0.0020	0.0002	0.0045
		Y	0.0008	0.0056	0.0061	-0.0081	-0.0089	0.0000
		Z	-0.0062	0.0070	0.0066	-0.0023	-0.0032	0.0117
AT. 95	O	X	-0.0044	-0.0148	-0.0149	0.0020	0.0002	0.0045
		Y	-0.0008	0.0056	0.0061	0.0081	0.0089	0.0000
		Z	-0.0062	-0.0070	-0.0066	-0.0023	-0.0032	0.0117
AT. 96	O	X	0.0044	0.0148	-0.0149	0.0020	-0.0002	0.0045
		Y	0.0008	-0.0056	0.0061	0.0081	-0.0089	0.0000
		Z	-0.0062	-0.0070	0.0066	0.0023	-0.0032	-0.0117
AT. 97	O	X	0.0044	-0.0148	-0.0149	0.0020	0.0002	-0.0045
		Y	-0.0008	-0.0056	-0.0061	-0.0081	-0.0089	0.0000
		Z	-0.0062	0.0070	0.0066	0.0023	0.0032	0.0117
AT. 98	O	X	-0.0044	0.0148	-0.0149	0.0020	-0.0002	-0.0045
		Y	0.0008	0.0056	-0.0061	-0.0081	0.0089	0.0000
		Z	-0.0062	0.0070	-0.0066	-0.0023	0.0032	-0.0117
AT. 99	O	X	-0.0044	-0.0148	0.0149	0.0020	-0.0002	-0.0045
		Y	-0.0008	0.0056	-0.0061	0.0081	-0.0089	0.0000
		Z	-0.0062	-0.0070	0.0066	-0.0023	0.0032	-0.0117
AT. 100	O	X	0.0044	0.0148	0.0149	0.0020	0.0002	-0.0045
		Y	0.0008	-0.0056	-0.0061	0.0081	0.0089	0.0000
		Z	-0.0062	-0.0070	-0.0066	0.0023	0.0032	0.0117
AT. 101	O	X	0.0011	0.0067	-0.0077	0.0045	-0.0057	0.0022
		Y	-0.0048	0.0130	-0.0129	0.0083	-0.0102	-0.0098
		Z	-0.0012	0.0143	-0.0149	0.0020	-0.0035	0.0000
AT. 102	O	X	-0.0011	-0.0067	-0.0077	0.0045	0.0057	0.0022
		Y	0.0048	-0.0130	-0.0129	0.0083	0.0102	-0.0098
		Z	-0.0012	0.0143	0.0149	-0.0020	-0.0035	0.0000
AT. 103	O	X	-0.0011	0.0067	0.0077	0.0045	0.0057	0.0022
		Y	-0.0048	-0.0130	-0.0129	-0.0083	-0.0102	0.0098
		Z	-0.0012	-0.0143	-0.0149	-0.0020	-0.0035	0.0000
AT. 104	O	X	0.0011	-0.0067	0.0077	0.0045	-0.0057	0.0022
		Y	0.0048	0.0130	-0.0129	-0.0083	0.0102	0.0098
		Z	-0.0012	-0.0143	0.0149	0.0020	-0.0035	0.0000
AT. 105	O	X	0.0011	0.0067	0.0077	0.0045	0.0057	-0.0022
		Y	-0.0048	0.0130	0.0129	0.0083	0.0102	0.0098
		Z	-0.0012	0.0143	0.0149	0.0020	0.0035	0.0000
AT. 106	O	X	-0.0011	-0.0067	0.0077	0.0045	-0.0057	-0.0022
		Y	0.0048	-0.0130	0.0129	0.0083	-0.0102	0.0098
		Z	-0.0012	0.0143	-0.0149	-0.0020	0.0035	0.0000
AT. 107	O	X	-0.0011	0.0067	-0.0077	0.0045	-0.0057	-0.0022
		Y	-0.0048	-0.0130	0.0129	-0.0083	0.0102	-0.0098
		Z	-0.0012	-0.0143	0.0149	-0.0020	0.0035	0.0000
AT. 108	O	X	0.0011	-0.0067	-0.0077	0.0045	0.0057	-0.0022
		Y	0.0048	0.0130	0.0129	-0.0083	-0.0102	-0.0098
		Z	-0.0012	-0.0143	-0.0149	0.0020	0.0035	0.0000
AT. 109	O	X	-0.0019	0.0025	-0.0022	-0.0051	0.0046	-0.0006
		Y	-0.0021	0.0163	-0.0169	0.0031	-0.0050	-0.0014
		Z	-0.0052	0.0023	-0.0018	0.0009	-0.0008	-0.0105
AT. 110	O	X	0.0019	-0.0025	-0.0022	-0.0051	-0.0046	-0.0006
		Y	0.0021	-0.0163	-0.0169	0.0031	0.0050	-0.0014
		Z	-0.0052	0.0023	0.0018	-0.0009	-0.0008	0.0105
AT. 111	O	X	0.0019	0.0025	0.0022	-0.0051	-0.0046	-0.0006
		Y	-0.0021	-0.0163	-0.0169	-0.0031	-0.0050	0.0014
		Z	-0.0052	-0.0023	-0.0018	-0.0009	-0.0008	0.0105
AT. 112	O	X	-0.0019	-0.0025	0.0022	-0.0051	0.0046	-0.0006
		Y	0.0021	0.0163	-0.0169	-0.0031	0.0050	0.0014
		Z	-0.0052	-0.0023	0.0018	0.0009	-0.0008	-0.0105
AT. 113	O	X	-0.0019	0.0025	0.0022	-0.0051	-0.0046	0.0006

	Y	-0.0021	0.0163	0.0169	0.0031	0.0050	0.0014
	Z	-0.0052	0.0023	0.0018	0.0009	0.0008	0.0105
AT. 114 O	X	0.0019	-0.0025	0.0022	-0.0051	0.0046	0.0006
	Y	0.0021	-0.0163	0.0169	0.0031	-0.0050	0.0014
	Z	-0.0052	0.0023	-0.0018	-0.0009	0.0008	-0.0105
AT. 115 O	X	0.0019	0.0025	-0.0022	-0.0051	0.0046	0.0006
	Y	-0.0021	-0.0163	0.0169	-0.0031	0.0050	-0.0014
	Z	-0.0052	-0.0023	0.0018	-0.0009	0.0008	-0.0105
AT. 116 O	X	-0.0019	-0.0025	-0.0022	-0.0051	-0.0046	0.0006
	Y	0.0021	0.0163	0.0169	-0.0031	-0.0050	-0.0014
	Z	-0.0052	-0.0023	-0.0018	0.0009	0.0008	0.0105
AT. 117 O	X	0.0005	0.0040	-0.0040	-0.0053	0.0060	0.0025
	Y	0.0011	-0.0127	0.0129	-0.0055	0.0071	0.0021
	Z	-0.0020	0.0066	-0.0068	0.0033	-0.0038	-0.0050
AT. 118 O	X	-0.0005	-0.0040	-0.0040	-0.0053	-0.0060	0.0025
	Y	-0.0011	0.0127	0.0129	-0.0055	-0.0071	0.0021
	Z	-0.0020	0.0066	0.0068	-0.0033	-0.0038	0.0050
AT. 119 O	X	-0.0005	0.0040	0.0040	-0.0053	-0.0060	0.0025
	Y	0.0011	0.0127	0.0129	0.0055	0.0071	-0.0021
	Z	-0.0020	-0.0066	-0.0068	-0.0033	-0.0038	0.0050
AT. 120 O	X	0.0005	-0.0040	0.0040	-0.0053	0.0060	0.0025
	Y	-0.0011	-0.0127	0.0129	0.0055	-0.0071	-0.0021
	Z	-0.0020	-0.0066	0.0068	0.0033	-0.0038	-0.0050
AT. 121 O	X	0.0005	0.0040	0.0040	-0.0053	-0.0060	-0.0025
	Y	0.0011	-0.0127	-0.0129	-0.0055	-0.0071	-0.0021
	Z	-0.0020	0.0066	0.0068	0.0033	0.0038	0.0050
AT. 122 O	X	-0.0005	-0.0040	0.0040	-0.0053	0.0060	-0.0025
	Y	-0.0011	0.0127	-0.0129	-0.0055	0.0071	-0.0021
	Z	-0.0020	0.0066	-0.0068	-0.0033	0.0038	-0.0050
AT. 123 O	X	-0.0005	0.0040	-0.0040	-0.0053	0.0060	-0.0025
	Y	0.0011	0.0127	-0.0129	0.0055	-0.0071	0.0021
	Z	-0.0020	-0.0066	0.0068	-0.0033	0.0038	-0.0050
AT. 124 O	X	0.0005	-0.0040	-0.0040	-0.0053	-0.0060	-0.0025
	Y	-0.0011	-0.0127	-0.0129	0.0055	0.0071	0.0021
	Z	-0.0020	-0.0066	-0.0068	0.0033	0.0038	0.0050

FREQ(CM**-1)		532.85	535.13	538.74	539.55	544.38	548.35
AT. 1 SI	X	-0.0006	-0.0016	-0.0013	-0.0008	0.0038	-0.0049
	Y	-0.0120	0.0075	-0.0034	0.0036	-0.0044	0.0033
	Z	0.0004	0.0009	0.0052	-0.0052	-0.0045	0.0081
AT. 2 SI	X	0.0006	-0.0016	-0.0013	0.0008	-0.0038	-0.0049
	Y	0.0120	0.0075	-0.0034	-0.0036	0.0044	0.0033
	Z	0.0004	-0.0009	-0.0052	-0.0052	-0.0045	-0.0081
AT. 3 SI	X	-0.0006	-0.0016	0.0013	0.0008	0.0038	-0.0049
	Y	0.0120	-0.0075	-0.0034	0.0036	0.0044	-0.0033
	Z	-0.0004	-0.0009	0.0052	-0.0052	0.0045	-0.0081
AT. 4 SI	X	0.0006	-0.0016	0.0013	-0.0008	-0.0038	-0.0049
	Y	-0.0120	-0.0075	-0.0034	-0.0036	-0.0044	-0.0033
	Z	-0.0004	0.0009	-0.0052	-0.0052	0.0045	0.0081
AT. 5 SI	X	0.0006	0.0016	-0.0013	-0.0008	-0.0038	0.0049
	Y	0.0120	-0.0075	-0.0034	0.0036	0.0044	-0.0033
	Z	-0.0004	-0.0009	0.0052	-0.0052	0.0045	-0.0081
AT. 6 SI	X	-0.0006	0.0016	-0.0013	0.0008	0.0038	0.0049
	Y	-0.0120	-0.0075	-0.0034	-0.0036	-0.0044	-0.0033
	Z	-0.0004	0.0009	-0.0052	-0.0052	0.0045	0.0081
AT. 7 SI	X	0.0006	0.0016	0.0013	0.0008	-0.0038	0.0049
	Y	-0.0120	0.0075	-0.0034	0.0036	-0.0044	0.0033
	Z	0.0004	0.0009	0.0052	-0.0052	-0.0045	0.0081
AT. 8 SI	X	-0.0006	0.0016	0.0013	-0.0008	0.0038	0.0049
	Y	0.0120	0.0075	-0.0034	-0.0036	0.0044	0.0033

		Z	0.0004	-0.0009	-0.0052	-0.0052	-0.0045	-0.0081
AT.	9	SI X	-0.0015	-0.0008	-0.0035	0.0009	0.0041	-0.0021
		Y	0.0023	0.0047	0.0026	0.0058	-0.0009	-0.0048
		Z	0.0009	0.0056	0.0040	0.0030	-0.0066	0.0017
AT.	10	SI X	0.0015	-0.0008	-0.0035	-0.0009	-0.0041	-0.0021
		Y	-0.0023	0.0047	0.0026	-0.0058	0.0009	-0.0048
		Z	0.0009	-0.0056	-0.0040	0.0030	-0.0066	-0.0017
AT.	11	SI X	-0.0015	-0.0008	0.0035	-0.0009	0.0041	-0.0021
		Y	-0.0023	-0.0047	0.0026	0.0058	0.0009	0.0048
		Z	-0.0009	-0.0056	0.0040	0.0030	0.0066	-0.0017
AT.	12	SI X	0.0015	-0.0008	0.0035	0.0009	-0.0041	-0.0021
		Y	0.0023	-0.0047	0.0026	-0.0058	-0.0009	0.0048
		Z	-0.0009	0.0056	-0.0040	0.0030	0.0066	0.0017
AT.	13	SI X	0.0015	0.0008	-0.0035	0.0009	-0.0041	0.0021
		Y	-0.0023	-0.0047	0.0026	0.0058	0.0009	0.0048
		Z	-0.0009	-0.0056	0.0040	0.0030	0.0066	-0.0017
AT.	14	SI X	-0.0015	0.0008	-0.0035	-0.0009	0.0041	0.0021
		Y	0.0023	-0.0047	0.0026	-0.0058	-0.0009	0.0048
		Z	-0.0009	0.0056	-0.0040	0.0030	0.0066	0.0017
AT.	15	SI X	0.0015	0.0008	0.0035	-0.0009	-0.0041	0.0021
		Y	0.0023	0.0047	0.0026	0.0058	-0.0009	-0.0048
		Z	0.0009	0.0056	0.0040	0.0030	-0.0066	0.0017
AT.	16	SI X	-0.0015	0.0008	0.0035	0.0009	0.0041	0.0021
		Y	-0.0023	0.0047	0.0026	-0.0058	0.0009	-0.0048
		Z	0.0009	-0.0056	-0.0040	0.0030	-0.0066	-0.0017
AT.	17	SI X	0.0000	-0.0058	0.0000	-0.0058	0.0000	0.0024
		Y	0.0028	0.0000	0.0019	0.0000	0.0017	0.0000
		Z	0.0000	0.0075	0.0000	0.0092	0.0000	-0.0069
AT.	18	SI X	0.0000	-0.0058	0.0000	0.0058	0.0000	0.0024
		Y	-0.0028	0.0000	0.0019	0.0000	-0.0017	0.0000
		Z	0.0000	-0.0075	0.0000	0.0092	0.0000	0.0069
AT.	19	SI X	0.0000	0.0058	0.0000	-0.0058	0.0000	-0.0024
		Y	-0.0028	0.0000	0.0019	0.0000	-0.0017	0.0000
		Z	0.0000	-0.0075	0.0000	0.0092	0.0000	0.0069
AT.	20	SI X	0.0000	0.0058	0.0000	0.0058	0.0000	-0.0024
		Y	0.0028	0.0000	0.0019	0.0000	0.0017	0.0000
		Z	0.0000	0.0075	0.0000	0.0092	0.0000	-0.0069
AT.	21	CA X	-0.0004	-0.0001	-0.0005	-0.0001	0.0006	-0.0007
		Y	0.0021	-0.0016	0.0005	-0.0009	0.0012	-0.0009
		Z	0.0019	-0.0017	0.0012	-0.0019	-0.0001	0.0025
AT.	22	CA X	0.0004	-0.0001	-0.0005	0.0001	-0.0006	-0.0007
		Y	-0.0021	-0.0016	0.0005	0.0009	-0.0012	-0.0009
		Z	0.0019	0.0017	-0.0012	-0.0019	-0.0001	-0.0025
AT.	23	CA X	-0.0004	-0.0001	0.0005	0.0001	0.0006	-0.0007
		Y	-0.0021	0.0016	0.0005	-0.0009	-0.0012	0.0009
		Z	-0.0019	0.0017	0.0012	-0.0019	0.0001	-0.0025
AT.	24	CA X	0.0004	-0.0001	0.0005	-0.0001	-0.0006	-0.0007
		Y	0.0021	0.0016	0.0005	0.0009	0.0012	0.0009
		Z	-0.0019	-0.0017	-0.0012	-0.0019	0.0001	0.0025
AT.	25	CA X	0.0004	0.0001	-0.0005	-0.0001	-0.0006	0.0007
		Y	-0.0021	0.0016	0.0005	-0.0009	-0.0012	0.0009
		Z	-0.0019	0.0017	0.0012	-0.0019	0.0001	-0.0025
AT.	26	CA X	-0.0004	0.0001	-0.0005	0.0001	0.0006	0.0007
		Y	0.0021	0.0016	0.0005	0.0009	0.0012	0.0009
		Z	-0.0019	-0.0017	-0.0012	-0.0019	0.0001	0.0025
AT.	27	CA X	0.0004	0.0001	0.0005	0.0001	-0.0006	0.0007
		Y	0.0021	-0.0016	0.0005	-0.0009	0.0012	-0.0009
		Z	0.0019	-0.0017	0.0012	-0.0019	-0.0001	0.0025
AT.	28	CA X	-0.0004	0.0001	0.0005	-0.0001	0.0006	0.0007
		Y	-0.0021	-0.0016	0.0005	0.0009	-0.0012	-0.0009
		Z	0.0019	0.0017	-0.0012	-0.0019	-0.0001	-0.0025

AT.	29 CA	X	0.0000	0.0000	0.0013	-0.0009	0.0000	0.0000
		Y	0.0000	0.0000	-0.0004	0.0005	0.0000	0.0000
		Z	0.0000	0.0000	0.0045	-0.0043	0.0000	0.0000
AT.	30 CA	X	0.0000	0.0000	0.0013	0.0009	0.0000	0.0000
		Y	0.0000	0.0000	-0.0004	-0.0005	0.0000	0.0000
		Z	0.0000	0.0000	-0.0045	-0.0043	0.0000	0.0000
AT.	31 CA	X	0.0000	0.0000	-0.0013	0.0009	0.0000	0.0000
		Y	0.0000	0.0000	-0.0004	0.0005	0.0000	0.0000
		Z	0.0000	0.0000	0.0045	-0.0043	0.0000	0.0000
AT.	32 CA	X	0.0000	0.0000	-0.0013	-0.0009	0.0000	0.0000
		Y	0.0000	0.0000	-0.0004	-0.0005	0.0000	0.0000
		Z	0.0000	0.0000	-0.0045	-0.0043	0.0000	0.0000
AT.	33 CA	X	-0.0002	-0.0003	0.0000	-0.0006	-0.0004	0.0010
		Y	-0.0012	0.0009	-0.0002	0.0004	-0.0007	0.0005
		Z	0.0019	0.0019	0.0036	0.0002	-0.0030	0.0014
AT.	34 CA	X	0.0002	-0.0003	0.0000	0.0006	0.0004	0.0010
		Y	0.0012	0.0009	-0.0002	-0.0004	0.0007	0.0005
		Z	0.0019	-0.0019	-0.0036	0.0002	-0.0030	-0.0014
AT.	35 CA	X	-0.0002	-0.0003	0.0000	0.0006	-0.0004	0.0010
		Y	0.0012	-0.0009	-0.0002	0.0004	0.0007	-0.0005
		Z	-0.0019	-0.0019	0.0036	0.0002	0.0030	-0.0014
AT.	36 CA	X	0.0002	-0.0003	0.0000	-0.0006	0.0004	0.0010
		Y	-0.0012	-0.0009	-0.0002	-0.0004	-0.0007	-0.0005
		Z	-0.0019	0.0019	-0.0036	0.0002	0.0030	0.0014
AT.	37 CA	X	0.0002	0.0003	0.0000	-0.0006	0.0004	-0.0010
		Y	0.0012	-0.0009	-0.0002	0.0004	0.0007	-0.0005
		Z	-0.0019	-0.0019	0.0036	0.0002	0.0030	-0.0014
AT.	38 CA	X	-0.0002	0.0003	0.0000	0.0006	-0.0004	-0.0010
		Y	-0.0012	-0.0009	-0.0002	-0.0004	-0.0007	-0.0005
		Z	-0.0019	0.0019	-0.0036	0.0002	0.0030	0.0014
AT.	39 CA	X	0.0002	0.0003	0.0000	0.0006	0.0004	-0.0010
		Y	-0.0012	0.0009	-0.0002	0.0004	-0.0007	0.0005
		Z	0.0019	0.0019	0.0036	0.0002	-0.0030	0.0014
AT.	40 CA	X	-0.0002	0.0003	0.0000	-0.0006	-0.0004	-0.0010
		Y	0.0012	0.0009	-0.0002	-0.0004	0.0007	0.0005
		Z	0.0019	-0.0019	-0.0036	0.0002	-0.0030	-0.0014
AT.	41 CA	X	0.0003	-0.0016	-0.0010	-0.0008	0.0022	-0.0009
		Y	0.0001	-0.0012	-0.0007	-0.0009	0.0012	0.0000
		Z	0.0026	0.0009	0.0021	0.0012	-0.0014	-0.0015
AT.	42 CA	X	-0.0003	-0.0016	-0.0010	0.0008	-0.0022	-0.0009
		Y	-0.0001	-0.0012	-0.0007	0.0009	-0.0012	0.0000
		Z	0.0026	-0.0009	-0.0021	0.0012	-0.0014	0.0015
AT.	43 CA	X	0.0003	-0.0016	0.0010	0.0008	0.0022	-0.0009
		Y	-0.0001	0.0012	-0.0007	-0.0009	-0.0012	0.0000
		Z	-0.0026	-0.0009	0.0021	0.0012	0.0014	0.0015
AT.	44 CA	X	-0.0003	-0.0016	0.0010	-0.0008	-0.0022	-0.0009
		Y	0.0001	0.0012	-0.0007	0.0009	0.0012	0.0000
		Z	-0.0026	0.0009	-0.0021	0.0012	0.0014	-0.0015
AT.	45 CA	X	-0.0003	0.0016	-0.0010	-0.0008	-0.0022	0.0009
		Y	-0.0001	0.0012	-0.0007	-0.0009	-0.0012	0.0000
		Z	-0.0026	-0.0009	0.0021	0.0012	0.0014	0.0015
AT.	46 CA	X	0.0003	0.0016	-0.0010	0.0008	0.0022	0.0009
		Y	0.0001	0.0012	-0.0007	0.0009	0.0012	0.0000
		Z	-0.0026	0.0009	-0.0021	0.0012	0.0014	-0.0015
AT.	47 CA	X	-0.0003	0.0016	0.0010	0.0008	-0.0022	0.0009
		Y	0.0001	-0.0012	-0.0007	-0.0009	0.0012	0.0000
		Z	0.0026	0.0009	0.0021	0.0012	-0.0014	-0.0015
AT.	48 CA	X	0.0003	0.0016	0.0010	-0.0008	0.0022	0.0009
		Y	-0.0001	-0.0012	-0.0007	0.0009	-0.0012	0.0000
		Z	0.0026	-0.0009	-0.0021	0.0012	-0.0014	0.0015
AT.	49 CA	X	0.0000	0.0001	0.0000	-0.0001	0.0000	0.0003

		Y	-0.0006	0.0000	-0.0007	0.0000	0.0003	0.0000
		Z	0.0000	0.0027	0.0000	0.0025	0.0000	-0.0010
AT.	50 CA	X	0.0000	0.0001	0.0000	0.0001	0.0000	0.0003
		Y	0.0006	0.0000	-0.0007	0.0000	-0.0003	0.0000
		Z	0.0000	-0.0027	0.0000	0.0025	0.0000	0.0010
AT.	51 CA	X	0.0000	-0.0001	0.0000	-0.0001	0.0000	-0.0003
		Y	0.0006	0.0000	-0.0007	0.0000	-0.0003	0.0000
		Z	0.0000	-0.0027	0.0000	0.0025	0.0000	0.0010
AT.	52 CA	X	0.0000	-0.0001	0.0000	0.0001	0.0000	-0.0003
		Y	-0.0006	0.0000	-0.0007	0.0000	0.0003	0.0000
		Z	0.0000	0.0027	0.0000	0.0025	0.0000	-0.0010
AT.	53 O	X	-0.0043	0.0059	-0.0016	0.0040	-0.0067	0.0071
		Y	-0.0135	0.0071	-0.0051	0.0040	-0.0022	-0.0002
		Z	-0.0043	0.0001	-0.0157	0.0153	0.0100	-0.0196
AT.	54 O	X	0.0043	0.0059	-0.0016	-0.0040	0.0067	0.0071
		Y	0.0135	0.0071	-0.0051	-0.0040	0.0022	-0.0002
		Z	-0.0043	-0.0001	0.0157	0.0153	0.0100	0.0196
AT.	55 O	X	-0.0043	0.0059	0.0016	-0.0040	-0.0067	0.0071
		Y	0.0135	-0.0071	-0.0051	0.0040	0.0022	0.0002
		Z	0.0043	-0.0001	-0.0157	0.0153	-0.0100	0.0196
AT.	56 O	X	0.0043	0.0059	0.0016	0.0040	0.0067	0.0071
		Y	-0.0135	-0.0071	-0.0051	-0.0040	-0.0022	0.0002
		Z	0.0043	0.0001	0.0157	0.0153	-0.0100	-0.0196
AT.	57 O	X	0.0043	-0.0059	-0.0016	0.0040	0.0067	-0.0071
		Y	0.0135	-0.0071	-0.0051	0.0040	0.0022	0.0002
		Z	0.0043	-0.0001	-0.0157	0.0153	-0.0100	0.0196
AT.	58 O	X	-0.0043	-0.0059	-0.0016	-0.0040	-0.0067	-0.0071
		Y	-0.0135	-0.0071	-0.0051	-0.0040	-0.0022	0.0002
		Z	0.0043	0.0001	0.0157	0.0153	-0.0100	-0.0196
AT.	59 O	X	0.0043	-0.0059	0.0016	-0.0040	0.0067	-0.0071
		Y	-0.0135	0.0071	-0.0051	0.0040	-0.0022	-0.0002
		Z	-0.0043	0.0001	-0.0157	0.0153	0.0100	-0.0196
AT.	60 O	X	-0.0043	-0.0059	0.0016	0.0040	-0.0067	-0.0071
		Y	0.0135	0.0071	-0.0051	-0.0040	0.0022	-0.0002
		Z	-0.0043	-0.0001	0.0157	0.0153	0.0100	0.0196
AT.	61 O	X	-0.0004	0.0000	-0.0042	0.0046	0.0003	-0.0010
		Y	0.0153	-0.0065	0.0144	-0.0125	-0.0033	0.0104
		Z	-0.0145	0.0106	-0.0020	0.0031	-0.0106	0.0121
AT.	62 O	X	0.0004	0.0000	-0.0042	-0.0046	-0.0003	-0.0010
		Y	-0.0153	-0.0065	0.0144	0.0125	0.0033	0.0104
		Z	-0.0145	-0.0106	0.0020	0.0031	-0.0106	-0.0121
AT.	63 O	X	-0.0004	0.0000	0.0042	-0.0046	0.0003	-0.0010
		Y	-0.0153	0.0065	0.0144	-0.0125	0.0033	-0.0104
		Z	0.0145	-0.0106	-0.0020	0.0031	0.0106	-0.0121
AT.	64 O	X	0.0004	0.0000	0.0042	0.0046	-0.0003	-0.0010
		Y	0.0153	0.0065	0.0144	0.0125	-0.0033	-0.0104
		Z	0.0145	0.0106	0.0020	0.0031	0.0106	0.0121
AT.	65 O	X	0.0004	0.0000	-0.0042	0.0046	-0.0003	0.0010
		Y	-0.0153	0.0065	0.0144	-0.0125	0.0033	-0.0104
		Z	0.0145	-0.0106	-0.0020	0.0031	0.0106	-0.0121
AT.	66 O	X	-0.0004	0.0000	-0.0042	-0.0046	0.0003	0.0010
		Y	0.0153	0.0065	0.0144	0.0125	-0.0033	-0.0104
		Z	0.0145	0.0106	0.0020	0.0031	0.0106	0.0121
AT.	67 O	X	0.0004	0.0000	0.0042	-0.0046	-0.0003	0.0010
		Y	0.0153	-0.0065	0.0144	-0.0125	-0.0033	0.0104
		Z	-0.0145	0.0106	-0.0020	0.0031	-0.0106	0.0121
AT.	68 O	X	-0.0004	0.0000	0.0042	0.0046	0.0003	0.0010
		Y	-0.0153	-0.0065	0.0144	0.0125	0.0033	0.0104
		Z	-0.0145	-0.0106	0.0020	0.0031	-0.0106	-0.0121
AT.	69 O	X	0.0050	-0.0005	0.0076	-0.0051	-0.0044	0.0076
		Y	0.0105	-0.0077	-0.0057	0.0057	0.0098	-0.0137

		Z	0.0143	-0.0101	0.0067	-0.0085	0.0058	-0.0023
AT.	70 O	X	-0.0050	-0.0005	0.0076	0.0051	0.0044	0.0076
		Y	-0.0105	-0.0077	-0.0057	-0.0057	-0.0098	-0.0137
		Z	0.0143	0.0101	-0.0067	-0.0085	0.0058	0.0023
AT.	71 O	X	0.0050	-0.0005	-0.0076	0.0051	-0.0044	0.0076
		Y	-0.0105	0.0077	-0.0057	0.0057	-0.0098	0.0137
		Z	-0.0143	0.0101	0.0067	-0.0085	-0.0058	0.0023
AT.	72 O	X	-0.0050	-0.0005	-0.0076	-0.0051	0.0044	0.0076
		Y	0.0105	0.0077	-0.0057	-0.0057	0.0098	0.0137
		Z	-0.0143	-0.0101	-0.0067	-0.0085	-0.0058	-0.0023
AT.	73 O	X	-0.0050	0.0005	0.0076	-0.0051	0.0044	-0.0076
		Y	-0.0105	0.0077	-0.0057	0.0057	-0.0098	0.0137
		Z	-0.0143	0.0101	0.0067	-0.0085	-0.0058	0.0023
AT.	74 O	X	0.0050	0.0005	0.0076	0.0051	-0.0044	-0.0076
		Y	0.0105	0.0077	-0.0057	-0.0057	0.0098	0.0137
		Z	-0.0143	-0.0101	-0.0067	-0.0085	-0.0058	-0.0023
AT.	75 O	X	-0.0050	0.0005	-0.0076	0.0051	0.0044	-0.0076
		Y	0.0105	-0.0077	-0.0057	0.0057	0.0098	-0.0137
		Z	0.0143	-0.0101	0.0067	-0.0085	0.0058	-0.0023
AT.	76 O	X	0.0050	0.0005	-0.0076	-0.0051	-0.0044	-0.0076
		Y	-0.0105	-0.0077	-0.0057	-0.0057	-0.0098	-0.0137
		Z	0.0143	0.0101	-0.0067	-0.0085	0.0058	0.0023
AT.	77 O	X	0.0000	-0.0021	-0.0012	-0.0010	0.0041	-0.0053
		Y	0.0135	-0.0091	0.0037	-0.0042	0.0064	-0.0052
		Z	-0.0039	0.0003	-0.0120	0.0110	0.0067	-0.0131
AT.	78 O	X	0.0000	-0.0021	-0.0012	0.0010	-0.0041	-0.0053
		Y	-0.0135	-0.0091	0.0037	0.0042	-0.0064	-0.0052
		Z	-0.0039	-0.0003	0.0120	0.0110	0.0067	0.0131
AT.	79 O	X	0.0000	-0.0021	0.0012	0.0010	0.0041	-0.0053
		Y	-0.0135	0.0091	0.0037	-0.0042	-0.0064	0.0052
		Z	0.0039	-0.0003	-0.0120	0.0110	-0.0067	0.0131
AT.	80 O	X	0.0000	-0.0021	0.0012	-0.0010	-0.0041	-0.0053
		Y	0.0135	0.0091	0.0037	0.0042	0.0064	0.0052
		Z	0.0039	0.0003	0.0120	0.0110	-0.0067	-0.0131
AT.	81 O	X	0.0000	0.0021	-0.0012	-0.0010	-0.0041	0.0053
		Y	-0.0135	0.0091	0.0037	-0.0042	-0.0064	0.0052
		Z	0.0039	-0.0003	-0.0120	0.0110	-0.0067	0.0131
AT.	82 O	X	0.0000	0.0021	-0.0012	0.0010	0.0041	0.0053
		Y	0.0135	0.0091	0.0037	0.0042	0.0064	0.0052
		Z	0.0039	0.0003	0.0120	0.0110	-0.0067	-0.0131
AT.	83 O	X	0.0000	0.0021	0.0012	0.0010	-0.0041	0.0053
		Y	0.0135	-0.0091	0.0037	-0.0042	0.0064	-0.0052
		Z	-0.0039	0.0003	-0.0120	0.0110	0.0067	-0.0131
AT.	84 O	X	0.0000	0.0021	0.0012	-0.0010	0.0041	0.0053
		Y	-0.0135	-0.0091	0.0037	0.0042	-0.0064	-0.0052
		Z	-0.0039	-0.0003	0.0120	0.0110	0.0067	0.0131
AT.	85 O	X	-0.0030	-0.0045	-0.0032	-0.0039	0.0021	0.0016
		Y	0.0004	0.0051	0.0048	0.0009	-0.0090	0.0048
		Z	0.0063	0.0069	0.0097	0.0047	-0.0087	-0.0009
AT.	86 O	X	0.0030	-0.0045	-0.0032	0.0039	-0.0021	0.0016
		Y	-0.0004	0.0051	0.0048	-0.0009	0.0090	0.0048
		Z	0.0063	-0.0069	-0.0097	0.0047	-0.0087	0.0009
AT.	87 O	X	-0.0030	-0.0045	0.0032	0.0039	0.0021	0.0016
		Y	-0.0004	-0.0051	0.0048	0.0009	0.0090	-0.0048
		Z	-0.0063	-0.0069	0.0097	0.0047	0.0087	0.0009
AT.	88 O	X	0.0030	-0.0045	0.0032	-0.0039	-0.0021	0.0016
		Y	0.0004	-0.0051	0.0048	-0.0009	-0.0090	-0.0048
		Z	-0.0063	0.0069	-0.0097	0.0047	0.0087	-0.0009
AT.	89 O	X	0.0030	0.0045	-0.0032	-0.0039	-0.0021	-0.0016
		Y	-0.0004	-0.0051	0.0048	0.0009	0.0090	-0.0048
		Z	-0.0063	-0.0069	0.0097	0.0047	0.0087	0.0009

AT.	90	O	X	-0.0030	0.0045	-0.0032	0.0039	0.0021	-0.0016
			Y	0.0004	-0.0051	0.0048	-0.0009	-0.0090	-0.0048
			Z	-0.0063	0.0069	-0.0097	0.0047	0.0087	-0.0009
AT.	91	O	X	0.0030	0.0045	0.0032	0.0039	-0.0021	-0.0016
			Y	0.0004	0.0051	0.0048	0.0009	-0.0090	0.0048
			Z	0.0063	0.0069	0.0097	0.0047	-0.0087	-0.0009
AT.	92	O	X	-0.0030	0.0045	0.0032	-0.0039	0.0021	-0.0016
			Y	-0.0004	0.0051	0.0048	-0.0009	0.0090	0.0048
			Z	0.0063	-0.0069	-0.0097	0.0047	-0.0087	0.0009
AT.	93	O	X	0.0049	0.0062	0.0084	0.0032	-0.0078	0.0001
			Y	0.0007	0.0045	0.0002	0.0065	0.0006	-0.0058
			Z	-0.0049	-0.0138	-0.0113	-0.0097	0.0153	0.0001
AT.	94	O	X	-0.0049	0.0062	0.0084	-0.0032	0.0078	0.0001
			Y	-0.0007	0.0045	0.0002	-0.0065	-0.0006	-0.0058
			Z	-0.0049	0.0138	0.0113	-0.0097	0.0153	-0.0001
AT.	95	O	X	0.0049	0.0062	-0.0084	-0.0032	-0.0078	0.0001
			Y	-0.0007	-0.0045	0.0002	0.0065	-0.0006	0.0058
			Z	0.0049	0.0138	-0.0113	-0.0097	-0.0153	-0.0001
AT.	96	O	X	-0.0049	0.0062	-0.0084	0.0032	0.0078	0.0001
			Y	0.0007	-0.0045	0.0002	-0.0065	0.0006	0.0058
			Z	0.0049	-0.0138	0.0113	-0.0097	-0.0153	0.0001
AT.	97	O	X	-0.0049	-0.0062	0.0084	0.0032	0.0078	-0.0001
			Y	-0.0007	-0.0045	0.0002	0.0065	-0.0006	0.0058
			Z	0.0049	0.0138	-0.0113	-0.0097	-0.0153	-0.0001
AT.	98	O	X	0.0049	-0.0062	0.0084	-0.0032	-0.0078	-0.0001
			Y	0.0007	-0.0045	0.0002	-0.0065	0.0006	0.0058
			Z	0.0049	-0.0138	0.0113	-0.0097	-0.0153	0.0001
AT.	99	O	X	-0.0049	-0.0062	-0.0084	-0.0032	0.0078	-0.0001
			Y	0.0007	0.0045	0.0002	0.0065	0.0006	-0.0058
			Z	-0.0049	-0.0138	-0.0113	-0.0097	0.0153	0.0001
AT.	100	O	X	0.0049	-0.0062	-0.0084	0.0032	-0.0078	-0.0001
			Y	-0.0007	0.0045	0.0002	-0.0065	-0.0006	-0.0058
			Z	-0.0049	0.0138	0.0113	-0.0097	0.0153	-0.0001
AT.	101	O	X	0.0047	-0.0029	0.0076	-0.0049	-0.0064	0.0055
			Y	-0.0067	-0.0172	-0.0116	-0.0157	0.0119	0.0066
			Z	-0.0051	-0.0041	-0.0061	-0.0044	0.0029	0.0035
AT.	102	O	X	-0.0047	-0.0029	0.0076	0.0049	0.0064	0.0055
			Y	0.0067	-0.0172	-0.0116	0.0157	-0.0119	0.0066
			Z	-0.0051	0.0041	0.0061	-0.0044	0.0029	-0.0035
AT.	103	O	X	0.0047	-0.0029	-0.0076	0.0049	-0.0064	0.0055
			Y	0.0067	0.0172	-0.0116	-0.0157	-0.0119	-0.0066
			Z	0.0051	0.0041	-0.0061	-0.0044	-0.0029	-0.0035
AT.	104	O	X	-0.0047	-0.0029	-0.0076	-0.0049	0.0064	0.0055
			Y	-0.0067	0.0172	-0.0116	0.0157	0.0119	-0.0066
			Z	0.0051	-0.0041	0.0061	-0.0044	-0.0029	0.0035
AT.	105	O	X	-0.0047	0.0029	0.0076	-0.0049	0.0064	-0.0055
			Y	0.0067	0.0172	-0.0116	-0.0157	-0.0119	-0.0066
			Z	0.0051	0.0041	-0.0061	-0.0044	-0.0029	-0.0035
AT.	106	O	X	0.0047	0.0029	0.0076	0.0049	-0.0064	-0.0055
			Y	-0.0067	0.0172	-0.0116	0.0157	0.0119	-0.0066
			Z	0.0051	-0.0041	0.0061	-0.0044	-0.0029	0.0035
AT.	107	O	X	-0.0047	0.0029	-0.0076	0.0049	0.0064	-0.0055
			Y	-0.0067	-0.0172	-0.0116	-0.0157	0.0119	0.0066
			Z	-0.0051	-0.0041	-0.0061	-0.0044	0.0029	0.0035
AT.	108	O	X	0.0047	0.0029	-0.0076	-0.0049	-0.0064	-0.0055
			Y	0.0067	-0.0172	-0.0116	0.0157	-0.0119	0.0066
			Z	-0.0051	0.0041	0.0061	-0.0044	0.0029	-0.0035
AT.	109	O	X	-0.0014	-0.0009	-0.0040	0.0013	0.0050	-0.0031
			Y	-0.0038	-0.0057	-0.0051	-0.0058	0.0036	0.0044
			Z	-0.0051	-0.0086	-0.0092	-0.0052	0.0104	-0.0013
AT.	110	O	X	0.0014	-0.0009	-0.0040	-0.0013	-0.0050	-0.0031

	Y	0.0038	-0.0057	-0.0051	0.0058	-0.0036	0.0044
	Z	-0.0051	0.0086	0.0092	-0.0052	0.0104	0.0013
AT. 111 O	X	-0.0014	-0.0009	0.0040	-0.0013	0.0050	-0.0031
	Y	0.0038	0.0057	-0.0051	-0.0058	-0.0036	-0.0044
	Z	0.0051	0.0086	-0.0092	-0.0052	-0.0104	0.0013
AT. 112 O	X	0.0014	-0.0009	0.0040	0.0013	-0.0050	-0.0031
	Y	-0.0038	0.0057	-0.0051	0.0058	0.0036	-0.0044
	Z	0.0051	-0.0086	0.0092	-0.0052	-0.0104	-0.0013
AT. 113 O	X	0.0014	0.0009	-0.0040	0.0013	-0.0050	0.0031
	Y	0.0038	0.0057	-0.0051	-0.0058	-0.0036	-0.0044
	Z	0.0051	0.0086	-0.0092	-0.0052	-0.0104	0.0013
AT. 114 O	X	-0.0014	0.0009	-0.0040	-0.0013	0.0050	0.0031
	Y	-0.0038	0.0057	-0.0051	0.0058	0.0036	-0.0044
	Z	0.0051	-0.0086	0.0092	-0.0052	-0.0104	-0.0013
AT. 115 O	X	0.0014	0.0009	0.0040	-0.0013	-0.0050	0.0031
	Y	-0.0038	-0.0057	-0.0051	-0.0058	0.0036	0.0044
	Z	-0.0051	-0.0086	-0.0092	-0.0052	0.0104	-0.0013
AT. 116 O	X	-0.0014	0.0009	0.0040	0.0013	0.0050	0.0031
	Y	0.0038	-0.0057	-0.0051	0.0058	-0.0036	0.0044
	Z	-0.0051	0.0086	0.0092	-0.0052	0.0104	0.0013
AT. 117 O	X	0.0009	0.0069	-0.0010	0.0072	0.0041	-0.0042
	Y	0.0022	0.0083	0.0066	0.0091	-0.0104	-0.0061
	Z	-0.0002	-0.0076	-0.0024	-0.0068	0.0050	0.0024
AT. 118 O	X	-0.0009	0.0069	-0.0010	-0.0072	-0.0041	-0.0042
	Y	-0.0022	0.0083	0.0066	-0.0091	0.0104	-0.0061
	Z	-0.0002	0.0076	0.0024	-0.0068	0.0050	-0.0024
AT. 119 O	X	0.0009	0.0069	0.0010	-0.0072	0.0041	-0.0042
	Y	-0.0022	-0.0083	0.0066	0.0091	0.0104	0.0061
	Z	0.0002	0.0076	-0.0024	-0.0068	-0.0050	-0.0024
AT. 120 O	X	-0.0009	0.0069	0.0010	0.0072	-0.0041	-0.0042
	Y	0.0022	-0.0083	0.0066	-0.0091	-0.0104	0.0061
	Z	0.0002	-0.0076	0.0024	-0.0068	-0.0050	0.0024
AT. 121 O	X	-0.0009	-0.0069	-0.0010	0.0072	-0.0041	0.0042
	Y	-0.0022	-0.0083	0.0066	0.0091	0.0104	0.0061
	Z	0.0002	0.0076	-0.0024	-0.0068	-0.0050	-0.0024
AT. 122 O	X	0.0009	-0.0069	-0.0010	-0.0072	0.0041	0.0042
	Y	0.0022	-0.0083	0.0066	-0.0091	-0.0104	0.0061
	Z	0.0002	-0.0076	0.0024	-0.0068	-0.0050	0.0024
AT. 123 O	X	-0.0009	-0.0069	0.0010	-0.0072	-0.0041	0.0042
	Y	0.0022	0.0083	0.0066	0.0091	-0.0104	-0.0061
	Z	-0.0002	-0.0076	-0.0024	-0.0068	0.0050	0.0024
AT. 124 O	X	0.0009	-0.0069	0.0010	0.0072	0.0041	0.0042
	Y	-0.0022	0.0083	0.0066	-0.0091	0.0104	-0.0061
	Z	-0.0002	0.0076	0.0024	-0.0068	0.0050	-0.0024

FREQ(CM**-1)	550.28	554.47	555.30	556.37	556.44	558.68

AT. 1 SI	X	0.0021	0.0042	-0.0076	0.0027	-0.0027	0.0033
	Y	-0.0029	-0.0006	0.0026	-0.0059	0.0057	-0.0047
	Z	0.0048	-0.0082	-0.0037	-0.0084	0.0086	0.0046
AT. 2 SI	X	0.0021	-0.0042	0.0076	-0.0027	-0.0027	0.0033
	Y	-0.0029	0.0006	-0.0026	0.0059	0.0057	-0.0047
	Z	-0.0048	-0.0082	-0.0037	-0.0084	-0.0086	-0.0046
AT. 3 SI	X	-0.0021	0.0042	-0.0076	-0.0027	0.0027	-0.0033
	Y	-0.0029	0.0006	-0.0026	-0.0059	0.0057	-0.0047
	Z	0.0048	0.0082	0.0037	-0.0084	0.0086	0.0046
AT. 4 SI	X	-0.0021	-0.0042	0.0076	0.0027	0.0027	-0.0033
	Y	-0.0029	-0.0006	0.0026	0.0059	0.0057	-0.0047
	Z	-0.0048	0.0082	0.0037	-0.0084	-0.0086	-0.0046
AT. 5 SI	X	0.0021	-0.0042	-0.0076	-0.0027	0.0027	-0.0033
	Y	-0.0029	0.0006	0.0026	0.0059	-0.0057	0.0047

		Z	0.0048	0.0082	-0.0037	0.0084	-0.0086	-0.0046
AT.	6	SI X	0.0021	0.0042	0.0076	0.0027	0.0027	-0.0033
		Y	-0.0029	-0.0006	-0.0026	-0.0059	-0.0057	0.0047
		Z	-0.0048	0.0082	-0.0037	0.0084	0.0086	0.0046
AT.	7	SI X	-0.0021	-0.0042	-0.0076	0.0027	-0.0027	0.0033
		Y	-0.0029	-0.0006	-0.0026	0.0059	-0.0057	0.0047
		Z	0.0048	-0.0082	0.0037	0.0084	-0.0086	-0.0046
AT.	8	SI X	-0.0021	0.0042	0.0076	-0.0027	-0.0027	0.0033
		Y	-0.0029	0.0006	0.0026	-0.0059	-0.0057	0.0047
		Z	-0.0048	-0.0082	0.0037	0.0084	0.0086	0.0046
AT.	9	SI X	0.0039	-0.0024	-0.0039	-0.0009	0.0002	0.0050
		Y	0.0006	-0.0008	-0.0040	0.0003	-0.0001	0.0043
		Z	-0.0066	0.0042	0.0036	0.0015	-0.0017	-0.0043
AT.	10	SI X	0.0039	0.0024	0.0039	0.0009	0.0002	0.0050
		Y	0.0006	0.0008	0.0040	-0.0003	-0.0001	0.0043
		Z	0.0066	0.0042	0.0036	0.0015	0.0017	0.0043
AT.	11	SI X	-0.0039	-0.0024	-0.0039	0.0009	-0.0002	-0.0050
		Y	0.0006	0.0008	0.0040	0.0003	-0.0001	0.0043
		Z	-0.0066	-0.0042	-0.0036	0.0015	-0.0017	-0.0043
AT.	12	SI X	-0.0039	0.0024	0.0039	-0.0009	-0.0002	-0.0050
		Y	0.0006	-0.0008	-0.0040	-0.0003	-0.0001	0.0043
		Z	0.0066	-0.0042	-0.0036	0.0015	0.0017	0.0043
AT.	13	SI X	0.0039	0.0024	-0.0039	0.0009	-0.0002	-0.0050
		Y	0.0006	0.0008	-0.0040	-0.0003	0.0001	-0.0043
		Z	-0.0066	-0.0042	0.0036	-0.0015	0.0017	0.0043
AT.	14	SI X	0.0039	-0.0024	0.0039	-0.0009	-0.0002	-0.0050
		Y	0.0006	-0.0008	0.0040	0.0003	0.0001	-0.0043
		Z	0.0066	-0.0042	0.0036	-0.0015	-0.0017	-0.0043
AT.	15	SI X	-0.0039	0.0024	-0.0039	-0.0009	0.0002	0.0050
		Y	0.0006	-0.0008	0.0040	-0.0003	0.0001	-0.0043
		Z	-0.0066	0.0042	-0.0036	-0.0015	0.0017	0.0043
AT.	16	SI X	-0.0039	-0.0024	0.0039	0.0009	0.0002	0.0050
		Y	0.0006	0.0008	-0.0040	0.0003	0.0001	-0.0043
		Z	0.0066	0.0042	-0.0036	-0.0015	-0.0017	-0.0043
AT.	17	SI X	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000
		Y	0.0048	-0.0047	-0.0003	0.0000	0.0006	-0.0002
		Z	0.0000	0.0000	0.0000	-0.0004	0.0000	0.0000
AT.	18	SI X	0.0000	0.0000	0.0000	-0.0001	0.0000	0.0000
		Y	0.0048	0.0047	0.0003	0.0000	0.0006	-0.0002
		Z	0.0000	0.0000	0.0000	-0.0004	0.0000	0.0000
AT.	19	SI X	0.0000	0.0000	0.0000	-0.0001	0.0000	0.0000
		Y	0.0048	0.0047	-0.0003	0.0000	-0.0006	0.0002
		Z	0.0000	0.0000	0.0000	0.0004	0.0000	0.0000
AT.	20	SI X	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000
		Y	0.0048	-0.0047	0.0003	0.0000	-0.0006	0.0002
		Z	0.0000	0.0000	0.0000	0.0004	0.0000	0.0000
AT.	21	CA X	0.0006	0.0005	-0.0005	-0.0004	0.0004	-0.0002
		Y	0.0010	0.0002	-0.0016	0.0029	-0.0028	0.0022
		Z	0.0017	-0.0030	0.0012	-0.0004	0.0005	0.0011
AT.	22	CA X	0.0006	-0.0005	0.0005	0.0004	0.0004	-0.0002
		Y	0.0010	-0.0002	0.0016	-0.0029	-0.0028	0.0022
		Z	-0.0017	-0.0030	0.0012	-0.0004	-0.0005	-0.0011
AT.	23	CA X	-0.0006	0.0005	-0.0005	0.0004	-0.0004	0.0002
		Y	0.0010	-0.0002	0.0016	0.0029	-0.0028	0.0022
		Z	0.0017	0.0030	-0.0012	-0.0004	0.0005	0.0011
AT.	24	CA X	-0.0006	-0.0005	0.0005	-0.0004	-0.0004	0.0002
		Y	0.0010	0.0002	-0.0016	-0.0029	-0.0028	0.0022
		Z	-0.0017	0.0030	-0.0012	-0.0004	-0.0005	-0.0011
AT.	25	CA X	0.0006	-0.0005	-0.0005	0.0004	-0.0004	0.0002
		Y	0.0010	-0.0002	-0.0016	-0.0029	0.0028	-0.0022
		Z	0.0017	0.0030	0.0012	0.0004	-0.0005	-0.0011

AT.	26	CA	X	0.0006	0.0005	0.0005	-0.0004	-0.0004	0.0002
			Y	0.0010	0.0002	0.0016	0.0029	0.0028	-0.0022
			Z	-0.0017	0.0030	0.0012	0.0004	0.0005	0.0011
AT.	27	CA	X	-0.0006	-0.0005	-0.0005	-0.0004	0.0004	-0.0002
			Y	0.0010	0.0002	0.0016	-0.0029	0.0028	-0.0022
			Z	0.0017	-0.0030	-0.0012	0.0004	-0.0005	-0.0011
AT.	28	CA	X	-0.0006	0.0005	0.0005	0.0004	0.0004	-0.0002
			Y	0.0010	-0.0002	-0.0016	0.0029	0.0028	-0.0022
			Z	-0.0017	-0.0030	-0.0012	0.0004	0.0005	0.0011
AT.	29	CA	X	0.0004	0.0000	0.0009	0.0000	0.0000	0.0000
			Y	-0.0006	0.0000	0.0011	0.0000	0.0000	0.0000
			Z	0.0038	0.0000	-0.0027	0.0000	0.0000	0.0000
AT.	30	CA	X	0.0004	0.0000	-0.0009	0.0000	0.0000	0.0000
			Y	-0.0006	0.0000	-0.0011	0.0000	0.0000	0.0000
			Z	-0.0038	0.0000	-0.0027	0.0000	0.0000	0.0000
AT.	31	CA	X	-0.0004	0.0000	0.0009	0.0000	0.0000	0.0000
			Y	-0.0006	0.0000	-0.0011	0.0000	0.0000	0.0000
			Z	0.0038	0.0000	0.0027	0.0000	0.0000	0.0000
AT.	32	CA	X	-0.0004	0.0000	-0.0009	0.0000	0.0000	0.0000
			Y	-0.0006	0.0000	0.0011	0.0000	0.0000	0.0000
			Z	-0.0038	0.0000	0.0027	0.0000	0.0000	0.0000
AT.	33	CA	X	-0.0004	-0.0002	0.0014	-0.0001	0.0001	-0.0010
			Y	-0.0004	-0.0002	0.0000	-0.0007	0.0005	-0.0004
			Z	-0.0009	0.0001	-0.0001	-0.0017	0.0018	-0.0002
AT.	34	CA	X	-0.0004	0.0002	-0.0014	0.0001	0.0001	-0.0010
			Y	-0.0004	0.0002	0.0000	0.0007	0.0005	-0.0004
			Z	0.0009	0.0001	-0.0001	-0.0017	-0.0018	0.0002
AT.	35	CA	X	0.0004	-0.0002	0.0014	0.0001	-0.0001	0.0010
			Y	-0.0004	0.0002	0.0000	-0.0007	0.0005	-0.0004
			Z	-0.0009	-0.0001	0.0001	-0.0017	0.0018	-0.0002
AT.	36	CA	X	0.0004	0.0002	-0.0014	-0.0001	-0.0001	0.0010
			Y	-0.0004	-0.0002	0.0000	0.0007	0.0005	-0.0004
			Z	0.0009	-0.0001	0.0001	-0.0017	-0.0018	0.0002
AT.	37	CA	X	-0.0004	0.0002	0.0014	0.0001	-0.0001	0.0010
			Y	-0.0004	0.0002	0.0000	0.0007	-0.0005	0.0004
			Z	-0.0009	-0.0001	-0.0001	0.0017	-0.0018	0.0002
AT.	38	CA	X	-0.0004	-0.0002	-0.0014	-0.0001	-0.0001	0.0010
			Y	-0.0004	-0.0002	0.0000	-0.0007	-0.0005	0.0004
			Z	0.0009	-0.0001	-0.0001	0.0017	0.0018	-0.0002
AT.	39	CA	X	0.0004	0.0002	0.0014	-0.0001	0.0001	-0.0010
			Y	-0.0004	-0.0002	0.0000	0.0007	-0.0005	0.0004
			Z	-0.0009	0.0001	0.0001	0.0017	-0.0018	0.0002
AT.	40	CA	X	0.0004	-0.0002	-0.0014	0.0001	0.0001	-0.0010
			Y	-0.0004	0.0002	0.0000	-0.0007	-0.0005	0.0004
			Z	0.0009	0.0001	0.0001	0.0017	0.0018	-0.0002
AT.	41	CA	X	0.0021	-0.0008	-0.0003	0.0007	-0.0008	-0.0001
			Y	0.0006	0.0000	0.0025	0.0008	-0.0010	-0.0031
			Z	-0.0025	0.0034	-0.0010	0.0019	-0.0018	0.0008
AT.	42	CA	X	0.0021	0.0008	0.0003	-0.0007	-0.0008	-0.0001
			Y	0.0006	0.0000	-0.0025	-0.0008	-0.0010	-0.0031
			Z	0.0025	0.0034	-0.0010	0.0019	0.0018	-0.0008
AT.	43	CA	X	-0.0021	-0.0008	-0.0003	-0.0007	0.0008	0.0001
			Y	0.0006	0.0000	-0.0025	0.0008	-0.0010	-0.0031
			Z	-0.0025	-0.0034	0.0010	0.0019	-0.0018	0.0008
AT.	44	CA	X	-0.0021	0.0008	0.0003	0.0007	0.0008	0.0001
			Y	0.0006	0.0000	0.0025	-0.0008	-0.0010	-0.0031
			Z	0.0025	-0.0034	0.0010	0.0019	0.0018	-0.0008
AT.	45	CA	X	0.0021	0.0008	-0.0003	-0.0007	0.0008	0.0001
			Y	0.0006	0.0000	0.0025	-0.0008	0.0010	0.0031
			Z	-0.0025	-0.0034	-0.0010	-0.0019	0.0018	-0.0008
AT.	46	CA	X	0.0021	-0.0008	0.0003	0.0007	0.0008	0.0001

		Y	0.0006	0.0000	-0.0025	0.0008	0.0010	0.0031
		Z	0.0025	-0.0034	-0.0010	-0.0019	-0.0018	0.0008
AT.	47	CA X	-0.0021	0.0008	-0.0003	0.0007	-0.0008	-0.0001
		Y	0.0006	0.0000	-0.0025	-0.0008	0.0010	0.0031
		Z	-0.0025	0.0034	0.0010	-0.0019	0.0018	-0.0008
AT.	48	CA X	-0.0021	-0.0008	0.0003	-0.0007	-0.0008	-0.0001
		Y	0.0006	0.0000	0.0025	0.0008	0.0010	0.0031
		Z	0.0025	0.0034	0.0010	-0.0019	-0.0018	0.0008
AT.	49	CA X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Y	-0.0002	0.0004	-0.0008	0.0000	-0.0005	0.0004
		Z	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000
AT.	50	CA X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Y	-0.0002	-0.0004	0.0008	0.0000	-0.0005	0.0004
		Z	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000
AT.	51	CA X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Y	-0.0002	-0.0004	-0.0008	0.0000	0.0005	-0.0004
		Z	0.0000	0.0000	0.0000	-0.0001	0.0000	0.0000
AT.	52	CA X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Y	-0.0002	0.0004	0.0008	0.0000	0.0005	-0.0004
		Z	0.0000	0.0000	0.0000	-0.0001	0.0000	0.0000
AT.	53	O X	-0.0046	-0.0044	0.0103	-0.0060	0.0058	-0.0070
		Y	-0.0027	0.0030	-0.0007	-0.0061	0.0057	-0.0051
		Z	-0.0138	0.0198	0.0111	0.0197	-0.0201	-0.0102
AT.	54	O X	-0.0046	0.0044	-0.0103	0.0060	0.0058	-0.0070
		Y	-0.0027	-0.0030	0.0007	0.0061	0.0057	-0.0051
		Z	0.0138	0.0198	0.0111	0.0197	0.0201	0.0102
AT.	55	O X	0.0046	-0.0044	0.0103	0.0060	-0.0058	0.0070
		Y	-0.0027	-0.0030	0.0007	-0.0061	0.0057	-0.0051
		Z	-0.0138	-0.0198	-0.0111	0.0197	-0.0201	-0.0102
AT.	56	O X	0.0046	0.0044	-0.0103	-0.0060	-0.0058	0.0070
		Y	-0.0027	0.0030	-0.0007	0.0061	0.0057	-0.0051
		Z	0.0138	-0.0198	-0.0111	0.0197	0.0201	0.0102
AT.	57	O X	-0.0046	0.0044	0.0103	0.0060	-0.0058	0.0070
		Y	-0.0027	-0.0030	-0.0007	0.0061	-0.0057	0.0051
		Z	-0.0138	-0.0198	0.0111	-0.0197	0.0201	0.0102
AT.	58	O X	-0.0046	-0.0044	-0.0103	-0.0060	-0.0058	0.0070
		Y	-0.0027	0.0030	0.0007	-0.0061	-0.0057	0.0051
		Z	0.0138	-0.0198	0.0111	-0.0197	-0.0201	-0.0102
AT.	59	O X	0.0046	0.0044	0.0103	-0.0060	0.0058	-0.0070
		Y	-0.0027	0.0030	0.0007	0.0061	-0.0057	0.0051
		Z	-0.0138	0.0198	-0.0111	-0.0197	0.0201	0.0102
AT.	60	O X	0.0046	-0.0044	-0.0103	0.0060	0.0058	-0.0070
		Y	-0.0027	-0.0030	-0.0007	-0.0061	-0.0057	0.0051
		Z	0.0138	0.0198	-0.0111	-0.0197	-0.0201	-0.0102
AT.	61	O X	-0.0051	0.0005	0.0094	0.0023	-0.0021	-0.0033
		Y	0.0109	-0.0130	-0.0091	-0.0053	0.0058	0.0125
		Z	-0.0042	-0.0072	0.0092	-0.0153	0.0150	-0.0092
AT.	62	O X	-0.0051	-0.0005	-0.0094	-0.0023	-0.0021	-0.0033
		Y	0.0109	0.0130	0.0091	0.0053	0.0058	0.0125
		Z	0.0042	-0.0072	0.0092	-0.0153	-0.0150	0.0092
AT.	63	O X	0.0051	0.0005	0.0094	-0.0023	0.0021	0.0033
		Y	0.0109	0.0130	0.0091	-0.0053	0.0058	0.0125
		Z	-0.0042	0.0072	-0.0092	-0.0153	0.0150	-0.0092
AT.	64	O X	0.0051	-0.0005	-0.0094	0.0023	0.0021	0.0033
		Y	0.0109	-0.0130	-0.0091	0.0053	0.0058	0.0125
		Z	0.0042	0.0072	-0.0092	-0.0153	-0.0150	0.0092
AT.	65	O X	-0.0051	-0.0005	0.0094	-0.0023	0.0021	0.0033
		Y	0.0109	0.0130	-0.0091	0.0053	-0.0058	-0.0125
		Z	-0.0042	0.0072	0.0092	0.0153	-0.0150	0.0092
AT.	66	O X	-0.0051	0.0005	-0.0094	0.0023	0.0021	0.0033
		Y	0.0109	-0.0130	0.0091	-0.0053	-0.0058	-0.0125

		Z	0.0042	0.0072	0.0092	0.0153	0.0150	-0.0092
AT.	67 O	X	0.0051	-0.0005	0.0094	0.0023	-0.0021	-0.0033
		Y	0.0109	-0.0130	0.0091	0.0053	-0.0058	-0.0125
		Z	-0.0042	-0.0072	-0.0092	0.0153	-0.0150	0.0092
AT.	68 O	X	0.0051	0.0005	-0.0094	-0.0023	-0.0021	-0.0033
		Y	0.0109	0.0130	-0.0091	-0.0053	-0.0058	-0.0125
		Z	0.0042	-0.0072	-0.0092	0.0153	0.0150	-0.0092
AT.	69 O	X	0.0029	-0.0076	0.0027	-0.0047	0.0048	-0.0002
		Y	-0.0056	0.0108	0.0052	0.0197	-0.0195	0.0003
		Z	0.0092	-0.0025	-0.0122	0.0063	-0.0059	0.0119
AT.	70 O	X	0.0029	0.0076	-0.0027	0.0047	0.0048	-0.0002
		Y	-0.0056	-0.0108	-0.0052	-0.0197	-0.0195	0.0003
		Z	-0.0092	-0.0025	-0.0122	0.0063	0.0059	-0.0119
AT.	71 O	X	-0.0029	-0.0076	0.0027	0.0047	-0.0048	0.0002
		Y	-0.0056	-0.0108	-0.0052	0.0197	-0.0195	0.0003
		Z	0.0092	0.0025	0.0122	0.0063	-0.0059	0.0119
AT.	72 O	X	-0.0029	0.0076	-0.0027	-0.0047	-0.0048	0.0002
		Y	-0.0056	0.0108	0.0052	-0.0197	-0.0195	0.0003
		Z	-0.0092	0.0025	0.0122	0.0063	0.0059	-0.0119
AT.	73 O	X	0.0029	0.0076	0.0027	0.0047	-0.0048	0.0002
		Y	-0.0056	-0.0108	0.0052	-0.0197	0.0195	-0.0003
		Z	0.0092	0.0025	-0.0122	-0.0063	0.0059	-0.0119
AT.	74 O	X	0.0029	-0.0076	-0.0027	-0.0047	-0.0048	0.0002
		Y	-0.0056	0.0108	-0.0052	0.0197	0.0195	-0.0003
		Z	-0.0092	0.0025	-0.0122	-0.0063	-0.0059	0.0119
AT.	75 O	X	-0.0029	0.0076	0.0027	-0.0047	0.0048	-0.0002
		Y	-0.0056	0.0108	-0.0052	-0.0197	0.0195	-0.0003
		Z	0.0092	-0.0025	0.0122	-0.0063	0.0059	-0.0119
AT.	76 O	X	-0.0029	-0.0076	-0.0027	0.0047	0.0048	-0.0002
		Y	-0.0056	-0.0108	0.0052	0.0197	0.0195	-0.0003
		Z	-0.0092	-0.0025	0.0122	-0.0063	-0.0059	0.0119
AT.	77 O	X	0.0026	0.0042	-0.0090	0.0028	-0.0028	0.0041
		Y	0.0043	0.0009	-0.0047	0.0094	-0.0090	0.0077
		Z	-0.0098	0.0132	0.0074	0.0129	-0.0130	-0.0069
AT.	78 O	X	0.0026	-0.0042	0.0090	-0.0028	-0.0028	0.0041
		Y	0.0043	-0.0009	0.0047	-0.0094	-0.0090	0.0077
		Z	0.0098	0.0132	0.0074	0.0129	0.0130	0.0069
AT.	79 O	X	-0.0026	0.0042	-0.0090	-0.0028	0.0028	-0.0041
		Y	0.0043	-0.0009	0.0047	0.0094	-0.0090	0.0077
		Z	-0.0098	-0.0132	-0.0074	0.0129	-0.0130	-0.0069
AT.	80 O	X	-0.0026	-0.0042	0.0090	0.0028	0.0028	-0.0041
		Y	0.0043	0.0009	-0.0047	-0.0094	-0.0090	0.0077
		Z	0.0098	-0.0132	-0.0074	0.0129	0.0130	0.0069
AT.	81 O	X	0.0026	-0.0042	-0.0090	-0.0028	0.0028	-0.0041
		Y	0.0043	-0.0009	-0.0047	-0.0094	0.0090	-0.0077
		Z	-0.0098	-0.0132	0.0074	-0.0129	0.0130	0.0069
AT.	82 O	X	0.0026	0.0042	0.0090	0.0028	0.0028	-0.0041
		Y	0.0043	0.0009	0.0047	0.0094	0.0090	-0.0077
		Z	0.0098	-0.0132	0.0074	-0.0129	-0.0130	-0.0069
AT.	83 O	X	-0.0026	-0.0042	-0.0090	0.0028	-0.0028	0.0041
		Y	0.0043	0.0009	0.0047	-0.0094	0.0090	-0.0077
		Z	-0.0098	0.0132	-0.0074	-0.0129	0.0130	0.0069
AT.	84 O	X	-0.0026	0.0042	0.0090	-0.0028	-0.0028	0.0041
		Y	0.0043	-0.0009	-0.0047	0.0094	0.0090	-0.0077
		Z	0.0098	0.0132	-0.0074	-0.0129	-0.0130	-0.0069
AT.	85 O	X	0.0003	-0.0002	0.0009	0.0012	-0.0007	-0.0018
		Y	-0.0100	0.0071	0.0127	0.0000	0.0006	-0.0142
		Z	-0.0059	0.0033	-0.0025	0.0010	-0.0006	0.0010
AT.	86 O	X	0.0003	0.0002	-0.0009	-0.0012	-0.0007	-0.0018
		Y	-0.0100	-0.0071	-0.0127	0.0000	0.0006	-0.0142
		Z	0.0059	0.0033	-0.0025	0.0010	0.0006	-0.0010

AT.	87	O	X	-0.0003	-0.0002	0.0009	-0.0012	0.0007	0.0018
			Y	-0.0100	-0.0071	-0.0127	0.0000	0.0006	-0.0142
			Z	-0.0059	-0.0033	0.0025	0.0010	-0.0006	0.0010
AT.	88	O	X	-0.0003	0.0002	-0.0009	0.0012	0.0007	0.0018
			Y	-0.0100	0.0071	0.0127	0.0000	0.0006	-0.0142
			Z	0.0059	-0.0033	0.0025	0.0010	0.0006	-0.0010
AT.	89	O	X	0.0003	0.0002	0.0009	-0.0012	0.0007	0.0018
			Y	-0.0100	-0.0071	0.0127	0.0000	-0.0006	0.0142
			Z	-0.0059	-0.0033	-0.0025	-0.0010	0.0006	-0.0010
AT.	90	O	X	0.0003	-0.0002	-0.0009	0.0012	0.0007	0.0018
			Y	-0.0100	0.0071	-0.0127	0.0000	-0.0006	0.0142
			Z	0.0059	-0.0033	-0.0025	-0.0010	-0.0006	0.0010
AT.	91	O	X	-0.0003	0.0002	0.0009	0.0012	-0.0007	-0.0018
			Y	-0.0100	0.0071	-0.0127	0.0000	-0.0006	0.0142
			Z	-0.0059	0.0033	0.0025	-0.0010	0.0006	-0.0010
AT.	92	O	X	-0.0003	-0.0002	-0.0009	-0.0012	-0.0007	-0.0018
			Y	-0.0100	-0.0071	0.0127	0.0000	-0.0006	0.0142
			Z	0.0059	0.0033	0.0025	-0.0010	-0.0006	0.0010
AT.	93	O	X	-0.0057	0.0039	0.0015	0.0011	-0.0009	-0.0038
			Y	0.0015	-0.0013	-0.0074	-0.0003	-0.0003	0.0082
			Z	0.0154	-0.0111	-0.0088	-0.0012	0.0007	0.0105
AT.	94	O	X	-0.0057	-0.0039	-0.0015	-0.0011	-0.0009	-0.0038
			Y	0.0015	0.0013	0.0074	0.0003	-0.0003	0.0082
			Z	-0.0154	-0.0111	-0.0088	-0.0012	-0.0007	-0.0105
AT.	95	O	X	0.0057	0.0039	0.0015	-0.0011	0.0009	0.0038
			Y	0.0015	0.0013	0.0074	-0.0003	-0.0003	0.0082
			Z	0.0154	0.0111	0.0088	-0.0012	0.0007	0.0105
AT.	96	O	X	0.0057	-0.0039	-0.0015	0.0011	0.0009	0.0038
			Y	0.0015	-0.0013	-0.0074	0.0003	-0.0003	0.0082
			Z	-0.0154	0.0111	0.0088	-0.0012	-0.0007	-0.0105
AT.	97	O	X	-0.0057	-0.0039	0.0015	-0.0011	0.0009	0.0038
			Y	0.0015	0.0013	-0.0074	0.0003	0.0003	-0.0082
			Z	0.0154	0.0111	-0.0088	0.0012	-0.0007	-0.0105
AT.	98	O	X	-0.0057	0.0039	-0.0015	0.0011	0.0009	0.0038
			Y	0.0015	-0.0013	0.0074	-0.0003	0.0003	-0.0082
			Z	-0.0154	0.0111	-0.0088	0.0012	0.0007	0.0105
AT.	99	O	X	0.0057	-0.0039	0.0015	0.0011	-0.0009	-0.0038
			Y	0.0015	-0.0013	0.0074	0.0003	0.0003	-0.0082
			Z	0.0154	-0.0111	0.0088	0.0012	-0.0007	-0.0105
AT.	100	O	X	0.0057	0.0039	-0.0015	-0.0011	-0.0009	-0.0038
			Y	0.0015	0.0013	-0.0074	-0.0003	0.0003	-0.0082
			Z	-0.0154	-0.0111	0.0088	0.0012	0.0007	0.0105
AT.	101	O	X	-0.0055	0.0033	0.0094	0.0001	0.0018	-0.0099
			Y	0.0094	-0.0058	-0.0012	-0.0008	0.0006	0.0025
			Z	-0.0014	0.0026	0.0087	-0.0003	0.0004	-0.0085
AT.	102	O	X	-0.0055	-0.0033	-0.0094	-0.0001	0.0018	-0.0099
			Y	0.0094	0.0058	0.0012	0.0008	0.0006	0.0025
			Z	0.0014	0.0026	0.0087	-0.0003	-0.0004	0.0085
AT.	103	O	X	0.0055	0.0033	0.0094	-0.0001	-0.0018	0.0099
			Y	0.0094	0.0058	0.0012	-0.0008	0.0006	0.0025
			Z	-0.0014	-0.0026	-0.0087	-0.0003	0.0004	-0.0085
AT.	104	O	X	0.0055	-0.0033	-0.0094	0.0001	-0.0018	0.0099
			Y	0.0094	-0.0058	-0.0012	0.0008	0.0006	0.0025
			Z	0.0014	-0.0026	-0.0087	-0.0003	-0.0004	0.0085
AT.	105	O	X	-0.0055	-0.0033	0.0094	-0.0001	-0.0018	0.0099
			Y	0.0094	0.0058	-0.0012	0.0008	-0.0006	-0.0025
			Z	-0.0014	-0.0026	0.0087	0.0003	-0.0004	0.0085
AT.	106	O	X	-0.0055	0.0033	-0.0094	0.0001	-0.0018	0.0099
			Y	0.0094	-0.0058	0.0012	-0.0008	-0.0006	-0.0025
			Z	0.0014	-0.0026	0.0087	0.0003	0.0004	-0.0085
AT.	107	O	X	0.0055	-0.0033	0.0094	0.0001	0.0018	-0.0099

	Y	0.0094	-0.0058	0.0012	0.0008	-0.0006	-0.0025
	Z	-0.0014	0.0026	-0.0087	0.0003	-0.0004	0.0085
AT. 108 O	X	0.0055	0.0033	-0.0094	-0.0001	0.0018	-0.0099
	Y	0.0094	0.0058	-0.0012	-0.0008	-0.0006	-0.0025
	Z	0.0014	0.0026	-0.0087	0.0003	0.0004	-0.0085
AT. 109 O	X	0.0049	-0.0030	-0.0050	-0.0010	0.0001	0.0061
	Y	0.0007	0.0004	0.0079	-0.0003	0.0008	-0.0077
	Z	0.0095	-0.0068	-0.0062	-0.0009	0.0003	0.0074
AT. 110 O	X	0.0049	0.0030	0.0050	0.0010	0.0001	0.0061
	Y	0.0007	-0.0004	-0.0079	0.0003	0.0008	-0.0077
	Z	-0.0095	-0.0068	-0.0062	-0.0009	-0.0003	-0.0074
AT. 111 O	X	-0.0049	-0.0030	-0.0050	0.0010	-0.0001	-0.0061
	Y	0.0007	-0.0004	-0.0079	-0.0003	0.0008	-0.0077
	Z	0.0095	0.0068	0.0062	-0.0009	0.0003	0.0074
AT. 112 O	X	-0.0049	0.0030	0.0050	-0.0010	-0.0001	-0.0061
	Y	0.0007	0.0004	0.0079	0.0003	0.0008	-0.0077
	Z	-0.0095	0.0068	0.0062	-0.0009	-0.0003	-0.0074
AT. 113 O	X	0.0049	0.0030	-0.0050	0.0010	-0.0001	-0.0061
	Y	0.0007	-0.0004	0.0079	0.0003	-0.0008	0.0077
	Z	0.0095	0.0068	-0.0062	0.0009	-0.0003	-0.0074
AT. 114 O	X	0.0049	-0.0030	0.0050	-0.0010	-0.0001	-0.0061
	Y	0.0007	0.0004	-0.0079	-0.0003	-0.0008	0.0077
	Z	-0.0095	0.0068	-0.0062	0.0009	0.0003	0.0074
AT. 115 O	X	-0.0049	0.0030	-0.0050	-0.0010	0.0001	0.0061
	Y	0.0007	0.0004	-0.0079	0.0003	-0.0008	0.0077
	Z	0.0095	-0.0068	0.0062	0.0009	-0.0003	-0.0074
AT. 116 O	X	-0.0049	-0.0030	0.0050	0.0010	0.0001	0.0061
	Y	0.0007	-0.0004	0.0079	-0.0003	-0.0008	0.0077
	Z	-0.0095	-0.0068	0.0062	0.0009	0.0003	0.0074
AT. 117 O	X	0.0062	-0.0051	-0.0032	0.0000	0.0010	0.0037
	Y	-0.0108	0.0078	0.0012	0.0004	-0.0023	-0.0021
	Z	0.0062	-0.0050	0.0010	-0.0003	0.0012	-0.0010
AT. 118 O	X	0.0062	0.0051	0.0032	0.0000	0.0010	0.0037
	Y	-0.0108	-0.0078	-0.0012	-0.0004	-0.0023	-0.0021
	Z	-0.0062	-0.0050	0.0010	-0.0003	-0.0012	0.0010
AT. 119 O	X	-0.0062	-0.0051	-0.0032	0.0000	-0.0010	-0.0037
	Y	-0.0108	-0.0078	-0.0012	0.0004	-0.0023	-0.0021
	Z	0.0062	0.0050	-0.0010	-0.0003	0.0012	-0.0010
AT. 120 O	X	-0.0062	0.0051	0.0032	0.0000	-0.0010	-0.0037
	Y	-0.0108	0.0078	0.0012	-0.0004	-0.0023	-0.0021
	Z	-0.0062	0.0050	-0.0010	-0.0003	-0.0012	0.0010
AT. 121 O	X	0.0062	0.0051	-0.0032	0.0000	-0.0010	-0.0037
	Y	-0.0108	-0.0078	0.0012	-0.0004	0.0023	0.0021
	Z	0.0062	0.0050	0.0010	0.0003	-0.0012	0.0010
AT. 122 O	X	0.0062	-0.0051	0.0032	0.0000	-0.0010	-0.0037
	Y	-0.0108	0.0078	-0.0012	0.0004	0.0023	0.0021
	Z	-0.0062	0.0050	0.0010	0.0003	0.0012	-0.0010
AT. 123 O	X	-0.0062	0.0051	-0.0032	0.0000	0.0010	0.0037
	Y	-0.0108	0.0078	-0.0012	-0.0004	0.0023	0.0021
	Z	0.0062	-0.0050	-0.0010	0.0003	-0.0012	0.0010
AT. 124 O	X	-0.0062	-0.0051	0.0032	0.0000	0.0010	0.0037
	Y	-0.0108	-0.0078	0.0012	0.0004	0.0023	0.0021
	Z	-0.0062	-0.0050	-0.0010	0.0003	0.0012	-0.0010

FREQ(CM**-1)	560.41	561.27	562.75	562.82	566.40	566.63

AT. 1 SI	X	0.0145	-0.0132	-0.0146	0.0128	0.0107	0.0137
	Y	-0.0001	0.0013	0.0005	0.0020	0.0003	0.0007
	Z	0.0001	-0.0012	0.0008	-0.0028	0.0044	0.0025
AT. 2 SI	X	0.0145	0.0132	-0.0146	-0.0128	0.0107	-0.0137
	Y	-0.0001	-0.0013	0.0005	-0.0020	0.0003	-0.0007

		Z	-0.0001	-0.0012	-0.0008	-0.0028	-0.0044	0.0025
AT.	3	SI X	0.0145	0.0132	0.0146	0.0128	0.0107	0.0137
		Y	0.0001	0.0013	0.0005	-0.0020	-0.0003	-0.0007
		Z	-0.0001	-0.0012	0.0008	0.0028	-0.0044	-0.0025
AT.	4	SI X	0.0145	-0.0132	0.0146	-0.0128	0.0107	-0.0137
		Y	0.0001	-0.0013	0.0005	0.0020	-0.0003	0.0007
		Z	0.0001	-0.0012	-0.0008	0.0028	0.0044	-0.0025
AT.	5	SI X	0.0145	-0.0132	-0.0146	0.0128	-0.0107	-0.0137
		Y	-0.0001	0.0013	0.0005	0.0020	-0.0003	-0.0007
		Z	0.0001	-0.0012	0.0008	-0.0028	-0.0044	-0.0025
AT.	6	SI X	0.0145	0.0132	-0.0146	-0.0128	-0.0107	0.0137
		Y	-0.0001	-0.0013	0.0005	-0.0020	-0.0003	0.0007
		Z	-0.0001	-0.0012	-0.0008	-0.0028	0.0044	-0.0025
AT.	7	SI X	0.0145	0.0132	0.0146	0.0128	-0.0107	-0.0137
		Y	0.0001	0.0013	0.0005	-0.0020	0.0003	0.0007
		Z	-0.0001	-0.0012	0.0008	0.0028	0.0044	0.0025
AT.	8	SI X	0.0145	-0.0132	0.0146	-0.0128	-0.0107	0.0137
		Y	0.0001	-0.0013	0.0005	0.0020	0.0003	-0.0007
		Z	0.0001	-0.0012	-0.0008	0.0028	-0.0044	0.0025
AT.	9	SI X	-0.0005	-0.0023	0.0010	-0.0025	0.0026	-0.0005
		Y	0.0019	-0.0041	-0.0001	-0.0029	0.0040	0.0001
		Z	-0.0011	0.0032	-0.0004	0.0037	-0.0036	-0.0002
AT.	10	SI X	-0.0005	0.0023	0.0010	0.0025	0.0026	0.0005
		Y	0.0019	0.0041	-0.0001	0.0029	0.0040	-0.0001
		Z	0.0011	0.0032	0.0004	0.0037	0.0036	-0.0002
AT.	11	SI X	-0.0005	0.0023	-0.0010	-0.0025	0.0026	-0.0005
		Y	-0.0019	-0.0041	-0.0001	0.0029	-0.0040	-0.0001
		Z	0.0011	0.0032	-0.0004	-0.0037	0.0036	0.0002
AT.	12	SI X	-0.0005	-0.0023	-0.0010	0.0025	0.0026	0.0005
		Y	-0.0019	0.0041	-0.0001	-0.0029	-0.0040	0.0001
		Z	-0.0011	0.0032	0.0004	-0.0037	-0.0036	0.0002
AT.	13	SI X	-0.0005	-0.0023	0.0010	-0.0025	-0.0026	0.0005
		Y	0.0019	-0.0041	-0.0001	-0.0029	-0.0040	-0.0001
		Z	-0.0011	0.0032	-0.0004	0.0037	0.0036	0.0002
AT.	14	SI X	-0.0005	0.0023	0.0010	0.0025	-0.0026	-0.0005
		Y	0.0019	0.0041	-0.0001	0.0029	-0.0040	0.0001
		Z	0.0011	0.0032	0.0004	0.0037	-0.0036	0.0002
AT.	15	SI X	-0.0005	0.0023	-0.0010	-0.0025	-0.0026	0.0005
		Y	-0.0019	-0.0041	-0.0001	0.0029	0.0040	0.0001
		Z	0.0011	0.0032	-0.0004	-0.0037	-0.0036	-0.0002
AT.	16	SI X	-0.0005	-0.0023	-0.0010	0.0025	-0.0026	-0.0005
		Y	-0.0019	0.0041	-0.0001	-0.0029	0.0040	-0.0001
		Z	-0.0011	0.0032	0.0004	-0.0037	0.0036	-0.0002
AT.	17	SI X	0.0011	0.0006	0.0000	0.0000	-0.0003	0.0000
		Y	0.0000	0.0000	0.0012	-0.0004	0.0000	-0.0004
		Z	0.0013	-0.0053	0.0000	0.0000	0.0052	0.0000
AT.	18	SI X	0.0011	-0.0006	0.0000	0.0000	-0.0003	0.0000
		Y	0.0000	0.0000	0.0012	0.0004	0.0000	0.0004
		Z	-0.0013	-0.0053	0.0000	0.0000	-0.0052	0.0000
AT.	19	SI X	0.0011	0.0006	0.0000	0.0000	0.0003	0.0000
		Y	0.0000	0.0000	0.0012	-0.0004	0.0000	0.0004
		Z	0.0013	-0.0053	0.0000	0.0000	-0.0052	0.0000
AT.	20	SI X	0.0011	-0.0006	0.0000	0.0000	0.0003	0.0000
		Y	0.0000	0.0000	0.0012	0.0004	0.0000	-0.0004
		Z	-0.0013	-0.0053	0.0000	0.0000	0.0052	0.0000
AT.	21	CA X	0.0004	-0.0025	-0.0026	0.0001	0.0008	0.0010
		Y	-0.0010	-0.0004	0.0000	-0.0028	-0.0007	-0.0010
		Z	-0.0013	0.0007	0.0011	-0.0008	0.0027	0.0021
AT.	22	CA X	0.0004	0.0025	-0.0026	-0.0001	0.0008	-0.0010
		Y	-0.0010	0.0004	0.0000	0.0028	-0.0007	0.0010
		Z	0.0013	0.0007	-0.0011	-0.0008	-0.0027	0.0021

AT. 23	CA	X	0.0004	0.0025	0.0026	0.0001	0.0008	0.0010
		Y	0.0010	-0.0004	0.0000	0.0028	0.0007	0.0010
		Z	0.0013	0.0007	0.0011	0.0008	-0.0027	-0.0021
AT. 24	CA	X	0.0004	-0.0025	0.0026	-0.0001	0.0008	-0.0010
		Y	0.0010	0.0004	0.0000	-0.0028	0.0007	-0.0010
		Z	-0.0013	0.0007	-0.0011	0.0008	0.0027	-0.0021
AT. 25	CA	X	0.0004	-0.0025	-0.0026	0.0001	-0.0008	-0.0010
		Y	-0.0010	-0.0004	0.0000	-0.0028	0.0007	0.0010
		Z	-0.0013	0.0007	0.0011	-0.0008	-0.0027	-0.0021
AT. 26	CA	X	0.0004	0.0025	-0.0026	-0.0001	-0.0008	0.0010
		Y	-0.0010	0.0004	0.0000	0.0028	0.0007	-0.0010
		Z	0.0013	0.0007	-0.0011	-0.0008	0.0027	-0.0021
AT. 27	CA	X	0.0004	0.0025	0.0026	0.0001	-0.0008	-0.0010
		Y	0.0010	-0.0004	0.0000	0.0028	-0.0007	-0.0010
		Z	0.0013	0.0007	0.0011	0.0008	0.0027	0.0021
AT. 28	CA	X	0.0004	-0.0025	0.0026	-0.0001	-0.0008	0.0010
		Y	0.0010	0.0004	0.0000	-0.0028	-0.0007	0.0010
		Z	-0.0013	0.0007	-0.0011	0.0008	-0.0027	0.0021
AT. 29	CA	X	-0.0028	0.0028	0.0033	-0.0029	0.0000	0.0000
		Y	-0.0010	0.0009	0.0007	-0.0005	0.0000	0.0000
		Z	-0.0003	0.0004	0.0014	-0.0028	0.0000	0.0000
AT. 30	CA	X	-0.0028	-0.0028	0.0033	0.0029	0.0000	0.0000
		Y	-0.0010	-0.0009	0.0007	0.0005	0.0000	0.0000
		Z	0.0003	0.0004	-0.0014	-0.0028	0.0000	0.0000
AT. 31	CA	X	-0.0028	-0.0028	-0.0033	-0.0029	0.0000	0.0000
		Y	0.0010	0.0009	0.0007	0.0005	0.0000	0.0000
		Z	0.0003	0.0004	0.0014	0.0028	0.0000	0.0000
AT. 32	CA	X	-0.0028	0.0028	-0.0033	0.0029	0.0000	0.0000
		Y	0.0010	-0.0009	0.0007	-0.0005	0.0000	0.0000
		Z	-0.0003	0.0004	-0.0014	0.0028	0.0000	0.0000
AT. 33	CA	X	-0.0015	0.0019	0.0015	-0.0007	-0.0017	-0.0013
		Y	0.0000	0.0003	0.0003	0.0001	-0.0001	-0.0002
		Z	0.0006	-0.0005	-0.0012	0.0004	0.0014	0.0018
AT. 34	CA	X	-0.0015	-0.0019	0.0015	0.0007	-0.0017	0.0013
		Y	0.0000	-0.0003	0.0003	-0.0001	-0.0001	0.0002
		Z	-0.0006	-0.0005	0.0012	0.0004	-0.0014	0.0018
AT. 35	CA	X	-0.0015	-0.0019	-0.0015	-0.0007	-0.0017	-0.0013
		Y	0.0000	0.0003	0.0003	-0.0001	0.0001	0.0002
		Z	-0.0006	-0.0005	-0.0012	-0.0004	-0.0014	-0.0018
AT. 36	CA	X	-0.0015	0.0019	-0.0015	0.0007	-0.0017	0.0013
		Y	0.0000	-0.0003	0.0003	0.0001	0.0001	-0.0002
		Z	0.0006	-0.0005	0.0012	-0.0004	0.0014	-0.0018
AT. 37	CA	X	-0.0015	0.0019	0.0015	-0.0007	0.0017	0.0013
		Y	0.0000	0.0003	0.0003	0.0001	0.0001	0.0002
		Z	0.0006	-0.0005	-0.0012	0.0004	-0.0014	-0.0018
AT. 38	CA	X	-0.0015	-0.0019	0.0015	0.0007	0.0017	-0.0013
		Y	0.0000	-0.0003	0.0003	-0.0001	0.0001	-0.0002
		Z	-0.0006	-0.0005	0.0012	0.0004	0.0014	-0.0018
AT. 39	CA	X	-0.0015	-0.0019	-0.0015	-0.0007	0.0017	0.0013
		Y	0.0000	0.0003	0.0003	-0.0001	-0.0001	-0.0002
		Z	-0.0006	-0.0005	-0.0012	-0.0004	0.0014	0.0018
AT. 40	CA	X	-0.0015	0.0019	-0.0015	0.0007	0.0017	-0.0013
		Y	0.0000	-0.0003	0.0003	0.0001	-0.0001	0.0002
		Z	0.0006	-0.0005	0.0012	-0.0004	-0.0014	0.0018
AT. 41	CA	X	0.0011	-0.0016	-0.0009	0.0014	0.0012	0.0009
		Y	0.0002	0.0002	-0.0004	0.0028	-0.0005	0.0003
		Z	0.0015	-0.0009	-0.0022	0.0010	0.0000	0.0013
AT. 42	CA	X	0.0011	0.0016	-0.0009	-0.0014	0.0012	-0.0009
		Y	0.0002	-0.0002	-0.0004	-0.0028	-0.0005	-0.0003
		Z	-0.0015	-0.0009	0.0022	0.0010	0.0000	0.0013
AT. 43	CA	X	0.0011	0.0016	0.0009	0.0014	0.0012	0.0009

		Y	-0.0002	0.0002	-0.0004	-0.0028	0.0005	-0.0003
		Z	-0.0015	-0.0009	-0.0022	-0.0010	0.0000	-0.0013
AT.	44 CA	X	0.0011	-0.0016	0.0009	-0.0014	0.0012	-0.0009
		Y	-0.0002	-0.0002	-0.0004	0.0028	0.0005	0.0003
		Z	0.0015	-0.0009	0.0022	-0.0010	0.0000	-0.0013
AT.	45 CA	X	0.0011	-0.0016	-0.0009	0.0014	-0.0012	-0.0009
		Y	0.0002	0.0002	-0.0004	0.0028	0.0005	-0.0003
		Z	0.0015	-0.0009	-0.0022	0.0010	0.0000	-0.0013
AT.	46 CA	X	0.0011	0.0016	-0.0009	-0.0014	-0.0012	0.0009
		Y	0.0002	-0.0002	-0.0004	-0.0028	0.0005	0.0003
		Z	-0.0015	-0.0009	0.0022	0.0010	0.0000	-0.0013
AT.	47 CA	X	0.0011	0.0016	0.0009	0.0014	-0.0012	-0.0009
		Y	-0.0002	0.0002	-0.0004	-0.0028	-0.0005	0.0003
		Z	-0.0015	-0.0009	-0.0022	-0.0010	0.0000	0.0013
AT.	48 CA	X	0.0011	-0.0016	0.0009	-0.0014	-0.0012	0.0009
		Y	-0.0002	-0.0002	-0.0004	0.0028	-0.0005	-0.0003
		Z	0.0015	-0.0009	0.0022	-0.0010	0.0000	0.0013
AT.	49 CA	X	0.0001	0.0004	0.0000	0.0000	-0.0004	0.0000
		Y	0.0000	0.0000	-0.0002	0.0003	0.0000	0.0001
		Z	-0.0002	-0.0003	0.0000	0.0000	0.0003	0.0000
AT.	50 CA	X	0.0001	-0.0004	0.0000	0.0000	-0.0004	0.0000
		Y	0.0000	0.0000	-0.0002	-0.0003	0.0000	-0.0001
		Z	0.0002	-0.0003	0.0000	0.0000	-0.0003	0.0000
AT.	51 CA	X	0.0001	0.0004	0.0000	0.0000	0.0004	0.0000
		Y	0.0000	0.0000	-0.0002	0.0003	0.0000	-0.0001
		Z	-0.0002	-0.0003	0.0000	0.0000	-0.0003	0.0000
AT.	52 CA	X	0.0001	-0.0004	0.0000	0.0000	0.0004	0.0000
		Y	0.0000	0.0000	-0.0002	-0.0003	0.0000	0.0001
		Z	0.0002	-0.0003	0.0000	0.0000	0.0003	0.0000
AT.	53 O	X	-0.0149	0.0121	0.0124	-0.0110	-0.0115	-0.0142
		Y	0.0091	-0.0077	-0.0101	0.0116	0.0081	0.0112
		Z	-0.0020	0.0026	-0.0013	0.0070	-0.0128	-0.0087
AT.	54 O	X	-0.0149	-0.0121	0.0124	0.0110	-0.0115	0.0142
		Y	0.0091	0.0077	-0.0101	-0.0116	0.0081	-0.0112
		Z	0.0020	0.0026	0.0013	0.0070	0.0128	-0.0087
AT.	55 O	X	-0.0149	-0.0121	-0.0124	-0.0110	-0.0115	-0.0142
		Y	-0.0091	-0.0077	-0.0101	-0.0116	-0.0081	-0.0112
		Z	0.0020	0.0026	-0.0013	-0.0070	0.0128	0.0087
AT.	56 O	X	-0.0149	0.0121	-0.0124	0.0110	-0.0115	0.0142
		Y	-0.0091	0.0077	-0.0101	0.0116	-0.0081	0.0112
		Z	-0.0020	0.0026	0.0013	-0.0070	-0.0128	0.0087
AT.	57 O	X	-0.0149	0.0121	0.0124	-0.0110	0.0115	0.0142
		Y	0.0091	-0.0077	-0.0101	0.0116	-0.0081	-0.0112
		Z	-0.0020	0.0026	-0.0013	0.0070	0.0128	0.0087
AT.	58 O	X	-0.0149	-0.0121	0.0124	0.0110	0.0115	-0.0142
		Y	0.0091	0.0077	-0.0101	-0.0116	-0.0081	0.0112
		Z	0.0020	0.0026	0.0013	0.0070	-0.0128	0.0087
AT.	59 O	X	-0.0149	-0.0121	-0.0124	-0.0110	0.0115	0.0142
		Y	-0.0091	-0.0077	-0.0101	-0.0116	0.0081	0.0112
		Z	0.0020	0.0026	-0.0013	-0.0070	-0.0128	-0.0087
AT.	60 O	X	-0.0149	0.0121	-0.0124	0.0110	0.0115	-0.0142
		Y	-0.0091	0.0077	-0.0101	0.0116	0.0081	-0.0112
		Z	-0.0020	0.0026	0.0013	-0.0070	0.0128	-0.0087
AT.	61 O	X	-0.0164	0.0142	0.0156	-0.0137	-0.0139	-0.0166
		Y	-0.0024	0.0012	0.0052	-0.0112	0.0041	-0.0002
		Z	-0.0099	0.0104	0.0099	-0.0052	-0.0040	-0.0053
AT.	62 O	X	-0.0164	-0.0142	0.0156	0.0137	-0.0139	0.0166
		Y	-0.0024	-0.0012	0.0052	0.0112	0.0041	0.0002
		Z	0.0099	0.0104	-0.0099	-0.0052	0.0040	-0.0053
AT.	63 O	X	-0.0164	-0.0142	-0.0156	-0.0137	-0.0139	-0.0166
		Y	0.0024	0.0012	0.0052	0.0112	-0.0041	0.0002

		Z	0.0099	0.0104	0.0099	0.0052	0.0040	0.0053
AT.	64 O	X	-0.0164	0.0142	-0.0156	0.0137	-0.0139	0.0166
		Y	0.0024	-0.0012	0.0052	-0.0112	-0.0041	-0.0002
		Z	-0.0099	0.0104	-0.0099	0.0052	-0.0040	0.0053
AT.	65 O	X	-0.0164	0.0142	0.0156	-0.0137	0.0139	0.0166
		Y	-0.0024	0.0012	0.0052	-0.0112	-0.0041	0.0002
		Z	-0.0099	0.0104	0.0099	-0.0052	0.0040	0.0053
AT.	66 O	X	-0.0164	-0.0142	0.0156	0.0137	0.0139	-0.0166
		Y	-0.0024	-0.0012	0.0052	0.0112	-0.0041	-0.0002
		Z	0.0099	0.0104	-0.0099	-0.0052	-0.0040	0.0053
AT.	67 O	X	-0.0164	-0.0142	-0.0156	-0.0137	0.0139	0.0166
		Y	0.0024	0.0012	0.0052	0.0112	0.0041	-0.0002
		Z	0.0099	0.0104	0.0099	0.0052	-0.0040	-0.0053
AT.	68 O	X	-0.0164	0.0142	-0.0156	0.0137	0.0139	-0.0166
		Y	0.0024	-0.0012	0.0052	-0.0112	0.0041	0.0002
		Z	-0.0099	0.0104	-0.0099	0.0052	0.0040	-0.0053
AT.	69 O	X	-0.0101	0.0117	0.0139	-0.0112	-0.0072	-0.0108
		Y	-0.0048	0.0039	0.0031	-0.0018	-0.0108	-0.0101
		Z	0.0094	-0.0103	-0.0083	0.0020	0.0091	0.0083
AT.	70 O	X	-0.0101	-0.0117	0.0139	0.0112	-0.0072	0.0108
		Y	-0.0048	-0.0039	0.0031	0.0018	-0.0108	0.0101
		Z	-0.0094	-0.0103	0.0083	0.0020	-0.0091	0.0083
AT.	71 O	X	-0.0101	-0.0117	-0.0139	-0.0112	-0.0072	-0.0108
		Y	0.0048	0.0039	0.0031	0.0018	0.0108	0.0101
		Z	-0.0094	-0.0103	-0.0083	-0.0020	-0.0091	-0.0083
AT.	72 O	X	-0.0101	0.0117	-0.0139	0.0112	-0.0072	0.0108
		Y	0.0048	-0.0039	0.0031	-0.0018	0.0108	-0.0101
		Z	0.0094	-0.0103	0.0083	-0.0020	0.0091	-0.0083
AT.	73 O	X	-0.0101	0.0117	0.0139	-0.0112	0.0072	0.0108
		Y	-0.0048	0.0039	0.0031	-0.0018	0.0108	0.0101
		Z	0.0094	-0.0103	-0.0083	0.0020	-0.0091	-0.0083
AT.	74 O	X	-0.0101	-0.0117	0.0139	0.0112	0.0072	-0.0108
		Y	-0.0048	-0.0039	0.0031	0.0018	0.0108	-0.0101
		Z	-0.0094	-0.0103	0.0083	0.0020	0.0091	-0.0083
AT.	75 O	X	-0.0101	-0.0117	-0.0139	-0.0112	0.0072	0.0108
		Y	0.0048	0.0039	0.0031	0.0018	-0.0108	-0.0101
		Z	-0.0094	-0.0103	-0.0083	-0.0020	0.0091	0.0083
AT.	76 O	X	-0.0101	0.0117	-0.0139	0.0112	0.0072	-0.0108
		Y	0.0048	-0.0039	0.0031	-0.0018	-0.0108	0.0101
		Z	0.0094	-0.0103	0.0083	-0.0020	-0.0091	0.0083
AT.	77 O	X	0.0164	-0.0156	-0.0170	0.0142	0.0120	0.0151
		Y	0.0006	-0.0010	0.0010	-0.0033	-0.0017	-0.0031
		Z	-0.0015	0.0012	-0.0014	0.0043	-0.0091	-0.0065
AT.	78 O	X	0.0164	0.0156	-0.0170	-0.0142	0.0120	-0.0151
		Y	0.0006	0.0010	0.0010	0.0033	-0.0017	0.0031
		Z	0.0015	0.0012	0.0014	0.0043	0.0091	-0.0065
AT.	79 O	X	0.0164	0.0156	0.0170	0.0142	0.0120	0.0151
		Y	-0.0006	-0.0010	0.0010	0.0033	0.0017	0.0031
		Z	0.0015	0.0012	-0.0014	-0.0043	0.0091	0.0065
AT.	80 O	X	0.0164	-0.0156	0.0170	-0.0142	0.0120	-0.0151
		Y	-0.0006	0.0010	0.0010	-0.0033	0.0017	-0.0031
		Z	-0.0015	0.0012	0.0014	-0.0043	-0.0091	0.0065
AT.	81 O	X	0.0164	-0.0156	-0.0170	0.0142	-0.0120	-0.0151
		Y	0.0006	-0.0010	0.0010	-0.0033	0.0017	0.0031
		Z	-0.0015	0.0012	-0.0014	0.0043	0.0091	0.0065
AT.	82 O	X	0.0164	0.0156	-0.0170	-0.0142	-0.0120	0.0151
		Y	0.0006	0.0010	0.0010	0.0033	0.0017	-0.0031
		Z	0.0015	0.0012	0.0014	0.0043	-0.0091	0.0065
AT.	83 O	X	0.0164	0.0156	0.0170	0.0142	-0.0120	-0.0151
		Y	-0.0006	-0.0010	0.0010	0.0033	-0.0017	-0.0031
		Z	0.0015	0.0012	-0.0014	-0.0043	-0.0091	-0.0065

AT.	84	O	X	0.0164	-0.0156	0.0170	-0.0142	-0.0120	0.0151
			Y	-0.0006	0.0010	0.0010	-0.0033	-0.0017	0.0031
			Z	-0.0015	0.0012	0.0014	-0.0043	0.0091	-0.0065
AT.	85	O	X	0.0025	0.0022	0.0007	0.0035	-0.0022	-0.0006
			Y	-0.0029	0.0062	-0.0020	0.0076	-0.0061	0.0010
			Z	0.0029	0.0004	-0.0008	0.0006	-0.0006	0.0004
AT.	86	O	X	0.0025	-0.0022	0.0007	-0.0035	-0.0022	0.0006
			Y	-0.0029	-0.0062	-0.0020	-0.0076	-0.0061	-0.0010
			Z	-0.0029	0.0004	0.0008	0.0006	0.0006	0.0004
AT.	87	O	X	0.0025	-0.0022	-0.0007	0.0035	-0.0022	-0.0006
			Y	0.0029	0.0062	-0.0020	-0.0076	0.0061	-0.0010
			Z	-0.0029	0.0004	-0.0008	-0.0006	0.0006	-0.0004
AT.	88	O	X	0.0025	0.0022	-0.0007	-0.0035	-0.0022	0.0006
			Y	0.0029	-0.0062	-0.0020	0.0076	0.0061	0.0010
			Z	0.0029	0.0004	0.0008	-0.0006	-0.0006	-0.0004
AT.	89	O	X	0.0025	0.0022	0.0007	0.0035	0.0022	0.0006
			Y	-0.0029	0.0062	-0.0020	0.0076	0.0061	-0.0010
			Z	0.0029	0.0004	-0.0008	0.0006	0.0006	-0.0004
AT.	90	O	X	0.0025	-0.0022	0.0007	-0.0035	0.0022	-0.0006
			Y	-0.0029	-0.0062	-0.0020	-0.0076	0.0061	0.0010
			Z	-0.0029	0.0004	0.0008	0.0006	-0.0006	-0.0004
AT.	91	O	X	0.0025	-0.0022	-0.0007	0.0035	0.0022	0.0006
			Y	0.0029	0.0062	-0.0020	-0.0076	-0.0061	0.0010
			Z	-0.0029	0.0004	-0.0008	-0.0006	-0.0006	0.0004
AT.	92	O	X	0.0025	0.0022	-0.0007	-0.0035	0.0022	-0.0006
			Y	0.0029	-0.0062	-0.0020	0.0076	-0.0061	-0.0010
			Z	0.0029	0.0004	0.0008	-0.0006	0.0006	0.0004
AT.	93	O	X	0.0030	-0.0003	-0.0029	0.0040	0.0000	0.0021
			Y	0.0015	-0.0052	0.0009	-0.0049	0.0053	-0.0006
			Z	0.0008	-0.0033	0.0031	-0.0062	0.0037	-0.0013
AT.	94	O	X	0.0030	0.0003	-0.0029	-0.0040	0.0000	-0.0021
			Y	0.0015	0.0052	0.0009	0.0049	0.0053	0.0006
			Z	-0.0008	-0.0033	-0.0031	-0.0062	-0.0037	-0.0013
AT.	95	O	X	0.0030	0.0003	0.0029	0.0040	0.0000	0.0021
			Y	-0.0015	-0.0052	0.0009	0.0049	-0.0053	0.0006
			Z	-0.0008	-0.0033	0.0031	0.0062	-0.0037	0.0013
AT.	96	O	X	0.0030	-0.0003	0.0029	-0.0040	0.0000	-0.0021
			Y	-0.0015	0.0052	0.0009	-0.0049	-0.0053	-0.0006
			Z	0.0008	-0.0033	-0.0031	0.0062	0.0037	0.0013
AT.	97	O	X	0.0030	-0.0003	-0.0029	0.0040	0.0000	-0.0021
			Y	0.0015	-0.0052	0.0009	-0.0049	-0.0053	0.0006
			Z	0.0008	-0.0033	0.0031	-0.0062	-0.0037	0.0013
AT.	98	O	X	0.0030	0.0003	-0.0029	-0.0040	0.0000	0.0021
			Y	0.0015	0.0052	0.0009	0.0049	-0.0053	-0.0006
			Z	-0.0008	-0.0033	-0.0031	-0.0062	0.0037	0.0013
AT.	99	O	X	0.0030	0.0003	0.0029	0.0040	0.0000	-0.0021
			Y	-0.0015	-0.0052	0.0009	0.0049	0.0053	-0.0006
			Z	-0.0008	-0.0033	0.0031	0.0062	0.0037	-0.0013
AT.	100	O	X	0.0030	-0.0003	0.0029	-0.0040	0.0000	0.0021
			Y	-0.0015	0.0052	0.0009	-0.0049	0.0053	0.0006
			Z	0.0008	-0.0033	-0.0031	0.0062	-0.0037	-0.0013
AT.	101	O	X	-0.0042	0.0057	-0.0023	0.0004	-0.0062	0.0007
			Y	-0.0023	0.0028	0.0015	-0.0015	-0.0027	-0.0006
			Z	-0.0034	0.0037	-0.0011	0.0040	-0.0041	0.0002
AT.	102	O	X	-0.0042	-0.0057	-0.0023	-0.0004	-0.0062	-0.0007
			Y	-0.0023	-0.0028	0.0015	0.0015	-0.0027	0.0006
			Z	0.0034	0.0037	0.0011	0.0040	0.0041	0.0002
AT.	103	O	X	-0.0042	-0.0057	0.0023	0.0004	-0.0062	0.0007
			Y	0.0023	0.0028	0.0015	0.0015	0.0027	0.0006
			Z	0.0034	0.0037	-0.0011	-0.0040	0.0041	-0.0002
AT.	104	O	X	-0.0042	0.0057	0.0023	-0.0004	-0.0062	-0.0007

	Y	0.0023	-0.0028	0.0015	-0.0015	0.0027	-0.0006
	Z	-0.0034	0.0037	0.0011	-0.0040	-0.0041	-0.0002
AT. 105 O	X	-0.0042	0.0057	-0.0023	0.0004	0.0062	-0.0007
	Y	-0.0023	0.0028	0.0015	-0.0015	0.0027	0.0006
	Z	-0.0034	0.0037	-0.0011	0.0040	0.0041	-0.0002
AT. 106 O	X	-0.0042	-0.0057	-0.0023	-0.0004	0.0062	0.0007
	Y	-0.0023	-0.0028	0.0015	0.0015	0.0027	-0.0006
	Z	0.0034	0.0037	0.0011	0.0040	-0.0041	-0.0002
AT. 107 O	X	-0.0042	-0.0057	0.0023	0.0004	0.0062	-0.0007
	Y	0.0023	0.0028	0.0015	0.0015	-0.0027	-0.0006
	Z	0.0034	0.0037	-0.0011	-0.0040	-0.0041	0.0002
AT. 108 O	X	-0.0042	0.0057	0.0023	-0.0004	0.0062	0.0007
	Y	0.0023	-0.0028	0.0015	-0.0015	-0.0027	0.0006
	Z	-0.0034	0.0037	0.0011	-0.0040	0.0041	0.0002
AT. 109 O	X	0.0005	-0.0038	0.0008	-0.0027	0.0041	0.0000
	Y	-0.0030	0.0043	-0.0006	0.0038	-0.0047	0.0003
	Z	0.0016	-0.0029	0.0028	-0.0037	0.0034	-0.0016
AT. 110 O	X	0.0005	0.0038	0.0008	0.0027	0.0041	0.0000
	Y	-0.0030	-0.0043	-0.0006	-0.0038	-0.0047	-0.0003
	Z	-0.0016	-0.0029	-0.0028	-0.0037	-0.0034	-0.0016
AT. 111 O	X	0.0005	0.0038	-0.0008	-0.0027	0.0041	0.0000
	Y	0.0030	0.0043	-0.0006	-0.0038	0.0047	-0.0003
	Z	-0.0016	-0.0029	0.0028	0.0037	-0.0034	0.0016
AT. 112 O	X	0.0005	-0.0038	-0.0008	0.0027	0.0041	0.0000
	Y	0.0030	-0.0043	-0.0006	0.0038	0.0047	0.0003
	Z	0.0016	-0.0029	-0.0028	0.0037	0.0034	0.0016
AT. 113 O	X	0.0005	-0.0038	0.0008	-0.0027	-0.0041	0.0000
	Y	-0.0030	0.0043	-0.0006	0.0038	0.0047	-0.0003
	Z	0.0016	-0.0029	0.0028	-0.0037	-0.0034	0.0016
AT. 114 O	X	0.0005	0.0038	0.0008	0.0027	-0.0041	0.0000
	Y	-0.0030	-0.0043	-0.0006	-0.0038	0.0047	0.0003
	Z	-0.0016	-0.0029	-0.0028	-0.0037	0.0034	0.0016
AT. 115 O	X	0.0005	0.0038	-0.0008	-0.0027	-0.0041	0.0000
	Y	0.0030	0.0043	-0.0006	-0.0038	-0.0047	0.0003
	Z	-0.0016	-0.0029	0.0028	0.0037	0.0034	-0.0016
AT. 116 O	X	0.0005	-0.0038	-0.0008	0.0027	-0.0041	0.0000
	Y	0.0030	-0.0043	-0.0006	0.0038	-0.0047	-0.0003
	Z	0.0016	-0.0029	-0.0028	0.0037	-0.0034	-0.0016
AT. 117 O	X	0.0008	-0.0029	0.0008	-0.0034	0.0029	0.0000
	Y	0.0038	-0.0048	-0.0010	0.0044	0.0052	0.0002
	Z	-0.0003	0.0007	0.0011	-0.0011	-0.0007	-0.0005
AT. 118 O	X	0.0008	0.0029	0.0008	0.0034	0.0029	0.0000
	Y	0.0038	0.0048	-0.0010	-0.0044	0.0052	-0.0002
	Z	0.0003	0.0007	-0.0011	-0.0011	0.0007	-0.0005
AT. 119 O	X	0.0008	0.0029	-0.0008	-0.0034	0.0029	0.0000
	Y	-0.0038	-0.0048	-0.0010	-0.0044	-0.0052	-0.0002
	Z	0.0003	0.0007	0.0011	0.0011	0.0007	0.0005
AT. 120 O	X	0.0008	-0.0029	-0.0008	0.0034	0.0029	0.0000
	Y	-0.0038	0.0048	-0.0010	0.0044	-0.0052	0.0002
	Z	-0.0003	0.0007	-0.0011	0.0011	-0.0007	0.0005
AT. 121 O	X	0.0008	-0.0029	0.0008	-0.0034	-0.0029	0.0000
	Y	0.0038	-0.0048	-0.0010	0.0044	-0.0052	-0.0002
	Z	-0.0003	0.0007	0.0011	-0.0011	0.0007	0.0005
AT. 122 O	X	0.0008	0.0029	0.0008	0.0034	-0.0029	0.0000
	Y	0.0038	0.0048	-0.0010	-0.0044	-0.0052	0.0002
	Z	0.0003	0.0007	-0.0011	-0.0011	-0.0007	0.0005
AT. 123 O	X	0.0008	0.0029	-0.0008	-0.0034	-0.0029	0.0000
	Y	-0.0038	-0.0048	-0.0010	-0.0044	0.0052	0.0002
	Z	0.0003	0.0007	0.0011	0.0011	-0.0007	-0.0005
AT. 124 O	X	0.0008	-0.0029	-0.0008	0.0034	-0.0029	0.0000
	Y	-0.0038	0.0048	-0.0010	0.0044	0.0052	-0.0002

	Z	-0.0003	0.0007	-0.0011	0.0011	0.0007	-0.0005
FREQ(CM**-1)		567.38	567.45	570.86	572.37	575.89	576.97
AT. 1 SI	X	0.0066	-0.0088	-0.0080	-0.0034	-0.0136	0.0002
	Y	0.0009	-0.0008	0.0021	-0.0020	-0.0024	-0.0009
	Z	-0.0030	0.0025	-0.0027	0.0026	-0.0002	0.0003
AT. 2 SI	X	-0.0066	-0.0088	0.0080	-0.0034	-0.0136	0.0002
	Y	-0.0009	-0.0008	-0.0021	-0.0020	-0.0024	-0.0009
	Z	-0.0030	-0.0025	-0.0027	-0.0026	0.0002	-0.0003
AT. 3 SI	X	-0.0066	-0.0088	0.0080	-0.0034	0.0136	-0.0002
	Y	0.0009	0.0008	0.0021	0.0020	-0.0024	-0.0009
	Z	-0.0030	-0.0025	-0.0027	-0.0026	-0.0002	0.0003
AT. 4 SI	X	0.0066	-0.0088	-0.0080	-0.0034	0.0136	-0.0002
	Y	-0.0009	0.0008	-0.0021	0.0020	-0.0024	-0.0009
	Z	-0.0030	0.0025	-0.0027	0.0026	0.0002	-0.0003
AT. 5 SI	X	0.0066	0.0088	0.0080	-0.0034	0.0136	0.0002
	Y	0.0009	0.0008	-0.0021	-0.0020	0.0024	-0.0009
	Z	-0.0030	-0.0025	0.0027	0.0026	0.0002	0.0003
AT. 6 SI	X	-0.0066	0.0088	-0.0080	-0.0034	0.0136	0.0002
	Y	-0.0009	0.0008	0.0021	-0.0020	0.0024	-0.0009
	Z	-0.0030	0.0025	0.0027	-0.0026	-0.0002	-0.0003
AT. 7 SI	X	-0.0066	0.0088	-0.0080	-0.0034	-0.0136	-0.0002
	Y	0.0009	-0.0008	-0.0021	0.0020	0.0024	-0.0009
	Z	-0.0030	0.0025	0.0027	-0.0026	0.0002	0.0003
AT. 8 SI	X	0.0066	0.0088	0.0080	-0.0034	-0.0136	-0.0002
	Y	-0.0009	-0.0008	0.0021	0.0020	0.0024	-0.0009
	Z	-0.0030	-0.0025	0.0027	0.0026	-0.0002	-0.0003
AT. 9 SI	X	-0.0049	0.0044	-0.0032	0.0050	0.0003	0.0081
	Y	-0.0071	0.0065	-0.0056	0.0064	0.0018	-0.0006
	Z	0.0065	-0.0060	0.0053	-0.0067	-0.0018	0.0006
AT. 10 SI	X	0.0049	0.0044	0.0032	0.0050	0.0003	0.0081
	Y	0.0071	0.0065	0.0056	0.0064	0.0018	-0.0006
	Z	0.0065	0.0060	0.0053	0.0067	0.0018	-0.0006
AT. 11 SI	X	0.0049	0.0044	0.0032	0.0050	-0.0003	-0.0081
	Y	-0.0071	-0.0065	-0.0056	-0.0064	0.0018	-0.0006
	Z	0.0065	0.0060	0.0053	0.0067	-0.0018	0.0006
AT. 12 SI	X	-0.0049	0.0044	-0.0032	0.0050	-0.0003	-0.0081
	Y	0.0071	-0.0065	0.0056	-0.0064	0.0018	-0.0006
	Z	0.0065	-0.0060	0.0053	-0.0067	0.0018	-0.0006
AT. 13 SI	X	-0.0049	-0.0044	0.0032	0.0050	-0.0003	0.0081
	Y	-0.0071	-0.0065	0.0056	0.0064	-0.0018	-0.0006
	Z	0.0065	0.0060	-0.0053	-0.0067	0.0018	0.0006
AT. 14 SI	X	0.0049	-0.0044	-0.0032	0.0050	-0.0003	0.0081
	Y	0.0071	-0.0065	-0.0056	0.0064	-0.0018	-0.0006
	Z	0.0065	-0.0060	-0.0053	0.0067	-0.0018	-0.0006
AT. 15 SI	X	0.0049	-0.0044	-0.0032	0.0050	0.0003	-0.0081
	Y	-0.0071	0.0065	0.0056	-0.0064	-0.0018	-0.0006
	Z	0.0065	-0.0060	-0.0053	0.0067	0.0018	0.0006
AT. 16 SI	X	-0.0049	-0.0044	0.0032	0.0050	0.0003	-0.0081
	Y	0.0071	0.0065	-0.0056	-0.0064	-0.0018	-0.0006
	Z	0.0065	0.0060	-0.0053	-0.0067	-0.0018	-0.0006
AT. 17 SI	X	-0.0003	0.0006	-0.0009	-0.0001	0.0000	0.0000
	Y	0.0000	0.0000	0.0000	0.0000	0.0009	-0.0148
	Z	-0.0087	0.0078	-0.0059	0.0078	0.0000	0.0000
AT. 18 SI	X	0.0003	0.0006	0.0009	-0.0001	0.0000	0.0000
	Y	0.0000	0.0000	0.0000	0.0000	0.0009	-0.0148
	Z	-0.0087	-0.0078	-0.0059	-0.0078	0.0000	0.0000
AT. 19 SI	X	-0.0003	-0.0006	0.0009	-0.0001	0.0000	0.0000
	Y	0.0000	0.0000	0.0000	0.0000	-0.0009	-0.0148
	Z	-0.0087	-0.0078	0.0059	0.0078	0.0000	0.0000

AT.	20 SI	X	0.0003	-0.0006	-0.0009	-0.0001	0.0000	0.0000
		Y	0.0000	0.0000	0.0000	0.0000	-0.0009	-0.0148
		Z	-0.0087	0.0078	0.0059	-0.0078	0.0000	0.0000
AT.	21 CA	X	0.0009	-0.0006	0.0004	0.0002	0.0008	0.0003
		Y	-0.0006	0.0008	-0.0004	0.0024	0.0036	0.0003
		Z	-0.0011	0.0004	-0.0009	0.0002	-0.0006	0.0006
AT.	22 CA	X	-0.0009	-0.0006	-0.0004	0.0002	0.0008	0.0003
		Y	0.0006	0.0008	0.0004	0.0024	0.0036	0.0003
		Z	-0.0011	-0.0004	-0.0009	-0.0002	0.0006	-0.0006
AT.	23 CA	X	-0.0009	-0.0006	-0.0004	0.0002	-0.0008	-0.0003
		Y	-0.0006	-0.0008	-0.0004	-0.0024	0.0036	0.0003
		Z	-0.0011	-0.0004	-0.0009	-0.0002	-0.0006	0.0006
AT.	24 CA	X	0.0009	-0.0006	0.0004	0.0002	-0.0008	-0.0003
		Y	0.0006	-0.0008	0.0004	-0.0024	0.0036	0.0003
		Z	-0.0011	0.0004	-0.0009	0.0002	0.0006	-0.0006
AT.	25 CA	X	0.0009	0.0006	-0.0004	0.0002	-0.0008	0.0003
		Y	-0.0006	-0.0008	0.0004	0.0024	-0.0036	0.0003
		Z	-0.0011	-0.0004	0.0009	0.0002	0.0006	0.0006
AT.	26 CA	X	-0.0009	0.0006	0.0004	0.0002	-0.0008	0.0003
		Y	0.0006	-0.0008	-0.0004	0.0024	-0.0036	0.0003
		Z	-0.0011	0.0004	0.0009	-0.0002	-0.0006	-0.0006
AT.	27 CA	X	-0.0009	0.0006	0.0004	0.0002	0.0008	-0.0003
		Y	-0.0006	0.0008	0.0004	-0.0024	-0.0036	0.0003
		Z	-0.0011	0.0004	0.0009	-0.0002	0.0006	0.0006
AT.	28 CA	X	0.0009	0.0006	-0.0004	0.0002	0.0008	-0.0003
		Y	0.0006	0.0008	-0.0004	-0.0024	-0.0036	0.0003
		Z	-0.0011	-0.0004	0.0009	0.0002	-0.0006	-0.0006
AT.	29 CA	X	-0.0017	0.0000	0.0000	0.0012	0.0000	0.0000
		Y	0.0000	0.0000	0.0000	0.0002	0.0000	-0.0001
		Z	-0.0023	0.0000	0.0000	0.0029	0.0000	0.0007
AT.	30 CA	X	0.0017	0.0000	0.0000	0.0012	0.0000	0.0000
		Y	0.0000	0.0000	0.0000	0.0002	0.0000	-0.0001
		Z	-0.0023	0.0000	0.0000	-0.0029	0.0000	-0.0007
AT.	31 CA	X	0.0017	0.0000	0.0000	0.0012	0.0000	0.0000
		Y	0.0000	0.0000	0.0000	-0.0002	0.0000	-0.0001
		Z	-0.0023	0.0000	0.0000	-0.0029	0.0000	0.0007
AT.	32 CA	X	-0.0017	0.0000	0.0000	0.0012	0.0000	0.0000
		Y	0.0000	0.0000	0.0000	-0.0002	0.0000	-0.0001
		Z	-0.0023	0.0000	0.0000	0.0029	0.0000	-0.0007
AT.	33 CA	X	0.0004	-0.0002	0.0015	-0.0009	0.0010	-0.0013
		Y	-0.0001	0.0002	0.0000	0.0004	0.0000	0.0001
		Z	0.0009	-0.0013	-0.0002	-0.0005	-0.0009	0.0009
AT.	34 CA	X	-0.0004	-0.0002	-0.0015	-0.0009	0.0010	-0.0013
		Y	0.0001	0.0002	0.0000	0.0004	0.0000	0.0001
		Z	0.0009	0.0013	-0.0002	0.0005	0.0009	-0.0009
AT.	35 CA	X	-0.0004	-0.0002	-0.0015	-0.0009	-0.0010	0.0013
		Y	-0.0001	-0.0002	0.0000	-0.0004	0.0000	0.0001
		Z	0.0009	0.0013	-0.0002	0.0005	-0.0009	0.0009
AT.	36 CA	X	0.0004	-0.0002	0.0015	-0.0009	-0.0010	0.0013
		Y	0.0001	-0.0002	0.0000	-0.0004	0.0000	0.0001
		Z	0.0009	-0.0013	-0.0002	-0.0005	0.0009	-0.0009
AT.	37 CA	X	0.0004	0.0002	-0.0015	-0.0009	-0.0010	-0.0013
		Y	-0.0001	-0.0002	0.0000	0.0004	0.0000	0.0001
		Z	0.0009	0.0013	0.0002	-0.0005	0.0009	0.0009
AT.	38 CA	X	-0.0004	0.0002	0.0015	-0.0009	-0.0010	-0.0013
		Y	0.0001	-0.0002	0.0000	0.0004	0.0000	0.0001
		Z	0.0009	-0.0013	0.0002	0.0005	-0.0009	-0.0009
AT.	39 CA	X	-0.0004	0.0002	0.0015	-0.0009	0.0010	0.0013
		Y	-0.0001	0.0002	0.0000	-0.0004	0.0000	0.0001
		Z	0.0009	-0.0013	0.0002	0.0005	0.0009	0.0009
AT.	40 CA	X	0.0004	0.0002	-0.0015	-0.0009	0.0010	0.0013

		Y	0.0001	0.0002	0.0000	-0.0004	0.0000	0.0001
		Z	0.0009	0.0013	0.0002	-0.0005	-0.0009	-0.0009
AT.	41 CA	X	-0.0004	0.0002	-0.0003	-0.0005	-0.0012	-0.0012
		Y	0.0014	-0.0013	0.0018	-0.0026	-0.0018	-0.0021
		Z	0.0022	-0.0024	-0.0013	0.0002	-0.0007	0.0029
AT.	42 CA	X	0.0004	0.0002	0.0003	-0.0005	-0.0012	-0.0012
		Y	-0.0014	-0.0013	-0.0018	-0.0026	-0.0018	-0.0021
		Z	0.0022	0.0024	-0.0013	-0.0002	0.0007	-0.0029
AT.	43 CA	X	0.0004	0.0002	0.0003	-0.0005	0.0012	0.0012
		Y	0.0014	0.0013	0.0018	0.0026	-0.0018	-0.0021
		Z	0.0022	0.0024	-0.0013	-0.0002	-0.0007	0.0029
AT.	44 CA	X	-0.0004	0.0002	-0.0003	-0.0005	0.0012	0.0012
		Y	-0.0014	0.0013	-0.0018	0.0026	-0.0018	-0.0021
		Z	0.0022	-0.0024	-0.0013	0.0002	0.0007	-0.0029
AT.	45 CA	X	-0.0004	-0.0002	0.0003	-0.0005	0.0012	-0.0012
		Y	0.0014	0.0013	-0.0018	-0.0026	0.0018	-0.0021
		Z	0.0022	0.0024	0.0013	0.0002	0.0007	0.0029
AT.	46 CA	X	0.0004	-0.0002	-0.0003	-0.0005	0.0012	-0.0012
		Y	-0.0014	0.0013	0.0018	-0.0026	0.0018	-0.0021
		Z	0.0022	-0.0024	0.0013	-0.0002	-0.0007	-0.0029
AT.	47 CA	X	0.0004	-0.0002	-0.0003	-0.0005	-0.0012	0.0012
		Y	0.0014	-0.0013	-0.0018	0.0026	0.0018	-0.0021
		Z	0.0022	-0.0024	0.0013	-0.0002	0.0007	0.0029
AT.	48 CA	X	-0.0004	-0.0002	0.0003	-0.0005	-0.0012	0.0012
		Y	-0.0014	-0.0013	0.0018	0.0026	0.0018	-0.0021
		Z	0.0022	0.0024	0.0013	0.0002	-0.0007	-0.0029
AT.	49 CA	X	0.0008	-0.0007	0.0000	0.0000	0.0000	0.0000
		Y	0.0000	0.0000	0.0000	0.0000	-0.0001	0.0016
		Z	-0.0001	0.0000	0.0013	-0.0016	0.0000	0.0000
AT.	50 CA	X	-0.0008	-0.0007	0.0000	0.0000	0.0000	0.0000
		Y	0.0000	0.0000	0.0000	0.0000	-0.0001	0.0016
		Z	-0.0001	0.0000	0.0013	0.0016	0.0000	0.0000
AT.	51 CA	X	0.0008	0.0007	0.0000	0.0000	0.0000	0.0000
		Y	0.0000	0.0000	0.0000	0.0000	0.0001	0.0016
		Z	-0.0001	0.0000	-0.0013	-0.0016	0.0000	0.0000
AT.	52 CA	X	-0.0008	0.0007	0.0000	0.0000	0.0000	0.0000
		Y	0.0000	0.0000	0.0000	0.0000	0.0001	0.0016
		Z	-0.0001	0.0000	-0.0013	0.0016	0.0000	0.0000
AT.	53 O	X	-0.0042	0.0083	0.0105	0.0019	0.0139	0.0002
		Y	0.0067	-0.0081	-0.0018	-0.0049	-0.0127	-0.0010
		Z	0.0071	-0.0043	0.0075	-0.0086	0.0018	-0.0023
AT.	54 O	X	0.0042	0.0083	-0.0105	0.0019	0.0139	0.0002
		Y	-0.0067	-0.0081	0.0018	-0.0049	-0.0127	-0.0010
		Z	0.0071	0.0043	0.0075	0.0086	-0.0018	0.0023
AT.	55 O	X	0.0042	0.0083	-0.0105	0.0019	-0.0139	-0.0002
		Y	0.0067	0.0081	-0.0018	0.0049	-0.0127	-0.0010
		Z	0.0071	0.0043	0.0075	0.0086	0.0018	-0.0023
AT.	56 O	X	-0.0042	0.0083	0.0105	0.0019	-0.0139	-0.0002
		Y	-0.0067	0.0081	0.0018	0.0049	-0.0127	-0.0010
		Z	0.0071	-0.0043	0.0075	-0.0086	-0.0018	0.0023
AT.	57 O	X	-0.0042	-0.0083	-0.0105	0.0019	-0.0139	0.0002
		Y	0.0067	0.0081	0.0018	-0.0049	0.0127	-0.0010
		Z	0.0071	0.0043	-0.0075	-0.0086	-0.0018	-0.0023
AT.	58 O	X	0.0042	-0.0083	0.0105	0.0019	-0.0139	0.0002
		Y	-0.0067	0.0081	-0.0018	-0.0049	0.0127	-0.0010
		Z	0.0071	-0.0043	-0.0075	0.0086	0.0018	0.0023
AT.	59 O	X	0.0042	-0.0083	0.0105	0.0019	0.0139	-0.0002
		Y	0.0067	-0.0081	0.0018	0.0049	0.0127	-0.0010
		Z	0.0071	-0.0043	-0.0075	0.0086	-0.0018	-0.0023
AT.	60 O	X	-0.0042	-0.0083	-0.0105	0.0019	0.0139	-0.0002
		Y	-0.0067	-0.0081	-0.0018	0.0049	0.0127	-0.0010

		Z	0.0071	0.0043	-0.0075	-0.0086	0.0018	0.0023
AT.	61 O	X	-0.0064	0.0091	0.0086	0.0028	0.0144	-0.0010
		Y	-0.0081	0.0069	-0.0059	0.0093	0.0065	0.0027
		Z	-0.0025	0.0038	0.0084	-0.0007	0.0039	-0.0013
AT.	62 O	X	0.0064	0.0091	-0.0086	0.0028	0.0144	-0.0010
		Y	0.0081	0.0069	0.0059	0.0093	0.0065	0.0027
		Z	-0.0025	-0.0038	0.0084	0.0007	-0.0039	0.0013
AT.	63 O	X	0.0064	0.0091	-0.0086	0.0028	-0.0144	0.0010
		Y	-0.0081	-0.0069	-0.0059	-0.0093	0.0065	0.0027
		Z	-0.0025	-0.0038	0.0084	0.0007	0.0039	-0.0013
AT.	64 O	X	-0.0064	0.0091	0.0086	0.0028	-0.0144	0.0010
		Y	0.0081	-0.0069	0.0059	-0.0093	0.0065	0.0027
		Z	-0.0025	0.0038	0.0084	-0.0007	-0.0039	0.0013
AT.	65 O	X	-0.0064	-0.0091	-0.0086	0.0028	-0.0144	-0.0010
		Y	-0.0081	-0.0069	0.0059	0.0093	-0.0065	0.0027
		Z	-0.0025	-0.0038	-0.0084	-0.0007	-0.0039	-0.0013
AT.	66 O	X	0.0064	-0.0091	0.0086	0.0028	-0.0144	-0.0010
		Y	0.0081	-0.0069	-0.0059	0.0093	-0.0065	0.0027
		Z	-0.0025	0.0038	-0.0084	0.0007	0.0039	0.0013
AT.	67 O	X	0.0064	-0.0091	0.0086	0.0028	0.0144	0.0010
		Y	-0.0081	0.0069	0.0059	-0.0093	-0.0065	0.0027
		Z	-0.0025	0.0038	-0.0084	0.0007	-0.0039	-0.0013
AT.	68 O	X	-0.0064	-0.0091	-0.0086	0.0028	0.0144	0.0010
		Y	0.0081	0.0069	-0.0059	-0.0093	-0.0065	0.0027
		Z	-0.0025	-0.0038	-0.0084	-0.0007	0.0039	0.0013
AT.	69 O	X	-0.0081	0.0089	0.0062	0.0045	0.0146	0.0004
		Y	0.0009	0.0015	0.0029	-0.0021	0.0081	-0.0006
		Z	-0.0006	-0.0013	-0.0104	0.0038	-0.0046	0.0016
AT.	70 O	X	0.0081	0.0089	-0.0062	0.0045	0.0146	0.0004
		Y	-0.0009	0.0015	-0.0029	-0.0021	0.0081	-0.0006
		Z	-0.0006	0.0013	-0.0104	-0.0038	0.0046	-0.0016
AT.	71 O	X	0.0081	0.0089	-0.0062	0.0045	-0.0146	-0.0004
		Y	0.0009	-0.0015	0.0029	0.0021	0.0081	-0.0006
		Z	-0.0006	0.0013	-0.0104	-0.0038	-0.0046	0.0016
AT.	72 O	X	-0.0081	0.0089	0.0062	0.0045	-0.0146	-0.0004
		Y	-0.0009	-0.0015	-0.0029	0.0021	0.0081	-0.0006
		Z	-0.0006	-0.0013	-0.0104	0.0038	0.0046	-0.0016
AT.	73 O	X	-0.0081	-0.0089	-0.0062	0.0045	-0.0146	0.0004
		Y	0.0009	-0.0015	-0.0029	-0.0021	-0.0081	-0.0006
		Z	-0.0006	0.0013	0.0104	0.0038	0.0046	0.0016
AT.	74 O	X	0.0081	-0.0089	0.0062	0.0045	-0.0146	0.0004
		Y	-0.0009	-0.0015	0.0029	-0.0021	-0.0081	-0.0006
		Z	-0.0006	-0.0013	0.0104	-0.0038	-0.0046	-0.0016
AT.	75 O	X	0.0081	-0.0089	0.0062	0.0045	0.0146	-0.0004
		Y	0.0009	0.0015	-0.0029	0.0021	-0.0081	-0.0006
		Z	-0.0006	-0.0013	0.0104	-0.0038	0.0046	0.0016
AT.	76 O	X	-0.0081	-0.0089	-0.0062	0.0045	0.0146	-0.0004
		Y	-0.0009	0.0015	0.0029	0.0021	-0.0081	-0.0006
		Z	-0.0006	0.0013	0.0104	0.0038	-0.0046	-0.0016
AT.	77 O	X	0.0074	-0.0092	-0.0089	-0.0034	-0.0144	0.0006
		Y	-0.0031	0.0031	-0.0035	0.0030	0.0046	0.0010
		Z	0.0050	-0.0023	0.0052	-0.0056	0.0013	-0.0019
AT.	78 O	X	-0.0074	-0.0092	0.0089	-0.0034	-0.0144	0.0006
		Y	0.0031	0.0031	0.0035	0.0030	0.0046	0.0010
		Z	0.0050	0.0023	0.0052	0.0056	-0.0013	0.0019
AT.	79 O	X	-0.0074	-0.0092	0.0089	-0.0034	0.0144	-0.0006
		Y	-0.0031	-0.0031	-0.0035	-0.0030	0.0046	0.0010
		Z	0.0050	0.0023	0.0052	0.0056	0.0013	-0.0019
AT.	80 O	X	0.0074	-0.0092	-0.0089	-0.0034	0.0144	-0.0006
		Y	0.0031	-0.0031	0.0035	-0.0030	0.0046	0.0010
		Z	0.0050	-0.0023	0.0052	-0.0056	-0.0013	0.0019

AT.	81	O	X	0.0074	0.0092	0.0089	-0.0034	0.0144	0.0006
			Y	-0.0031	-0.0031	0.0035	0.0030	-0.0046	0.0010
			Z	0.0050	0.0023	-0.0052	-0.0056	-0.0013	-0.0019
AT.	82	O	X	-0.0074	0.0092	-0.0089	-0.0034	0.0144	0.0006
			Y	0.0031	-0.0031	-0.0035	0.0030	-0.0046	0.0010
			Z	0.0050	-0.0023	-0.0052	0.0056	0.0013	0.0019
AT.	83	O	X	-0.0074	0.0092	-0.0089	-0.0034	-0.0144	-0.0006
			Y	-0.0031	0.0031	0.0035	-0.0030	-0.0046	0.0010
			Z	0.0050	-0.0023	-0.0052	0.0056	-0.0013	-0.0019
AT.	84	O	X	0.0074	0.0092	0.0089	-0.0034	-0.0144	-0.0006
			Y	0.0031	0.0031	-0.0035	-0.0030	-0.0046	0.0010
			Z	0.0050	0.0023	-0.0052	-0.0056	0.0013	0.0019
AT.	85	O	X	0.0022	-0.0018	0.0004	-0.0037	-0.0026	-0.0069
			Y	0.0126	-0.0121	0.0120	-0.0144	-0.0037	-0.0035
			Z	0.0014	-0.0014	-0.0013	-0.0004	0.0003	-0.0039
AT.	86	O	X	-0.0022	-0.0018	-0.0004	-0.0037	-0.0026	-0.0069
			Y	-0.0126	-0.0121	-0.0120	-0.0144	-0.0037	-0.0035
			Z	0.0014	0.0014	-0.0013	0.0004	-0.0003	0.0039
AT.	87	O	X	-0.0022	-0.0018	-0.0004	-0.0037	0.0026	0.0069
			Y	0.0126	0.0121	0.0120	0.0144	-0.0037	-0.0035
			Z	0.0014	0.0014	-0.0013	0.0004	0.0003	-0.0039
AT.	88	O	X	0.0022	-0.0018	0.0004	-0.0037	0.0026	0.0069
			Y	-0.0126	0.0121	-0.0120	0.0144	-0.0037	-0.0035
			Z	0.0014	-0.0014	-0.0013	-0.0004	-0.0003	0.0039
AT.	89	O	X	0.0022	0.0018	-0.0004	-0.0037	0.0026	-0.0069
			Y	0.0126	0.0121	-0.0120	-0.0144	0.0037	-0.0035
			Z	0.0014	0.0014	0.0013	-0.0004	-0.0003	-0.0039
AT.	90	O	X	-0.0022	0.0018	0.0004	-0.0037	0.0026	-0.0069
			Y	-0.0126	0.0121	0.0120	-0.0144	0.0037	-0.0035
			Z	0.0014	-0.0014	0.0013	0.0004	0.0003	0.0039
AT.	91	O	X	-0.0022	0.0018	0.0004	-0.0037	-0.0026	0.0069
			Y	0.0126	-0.0121	-0.0120	0.0144	0.0037	-0.0035
			Z	0.0014	-0.0014	0.0013	0.0004	-0.0003	-0.0039
AT.	92	O	X	0.0022	0.0018	-0.0004	-0.0037	-0.0026	0.0069
			Y	-0.0126	-0.0121	0.0120	0.0144	0.0037	-0.0035
			Z	0.0014	0.0014	0.0013	-0.0004	0.0003	0.0039
AT.	93	O	X	0.0036	-0.0038	0.0007	-0.0031	-0.0015	-0.0053
			Y	-0.0102	0.0094	-0.0083	0.0110	0.0024	0.0090
			Z	-0.0091	0.0092	-0.0076	0.0098	0.0025	-0.0015
AT.	94	O	X	-0.0036	-0.0038	-0.0007	-0.0031	-0.0015	-0.0053
			Y	0.0102	0.0094	0.0083	0.0110	0.0024	0.0090
			Z	-0.0091	-0.0092	-0.0076	-0.0098	-0.0025	0.0015
AT.	95	O	X	-0.0036	-0.0038	-0.0007	-0.0031	0.0015	0.0053
			Y	-0.0102	-0.0094	-0.0083	-0.0110	0.0024	0.0090
			Z	-0.0091	-0.0092	-0.0076	-0.0098	0.0025	-0.0015
AT.	96	O	X	0.0036	-0.0038	0.0007	-0.0031	0.0015	0.0053
			Y	0.0102	-0.0094	0.0083	-0.0110	0.0024	0.0090
			Z	-0.0091	0.0092	-0.0076	0.0098	-0.0025	0.0015
AT.	97	O	X	0.0036	0.0038	-0.0007	-0.0031	0.0015	-0.0053
			Y	-0.0102	-0.0094	0.0083	0.0110	-0.0024	0.0090
			Z	-0.0091	-0.0092	0.0076	0.0098	-0.0025	-0.0015
AT.	98	O	X	-0.0036	0.0038	0.0007	-0.0031	0.0015	-0.0053
			Y	0.0102	-0.0094	-0.0083	0.0110	-0.0024	0.0090
			Z	-0.0091	0.0092	0.0076	-0.0098	0.0025	0.0015
AT.	99	O	X	-0.0036	0.0038	0.0007	-0.0031	-0.0015	0.0053
			Y	-0.0102	0.0094	0.0083	-0.0110	-0.0024	0.0090
			Z	-0.0091	0.0092	0.0076	-0.0098	-0.0025	-0.0015
AT.	100	O	X	0.0036	0.0038	-0.0007	-0.0031	-0.0015	0.0053
			Y	0.0102	0.0094	-0.0083	-0.0110	-0.0024	0.0090
			Z	-0.0091	-0.0092	0.0076	0.0098	0.0025	0.0015
AT.	101	O	X	0.0117	-0.0109	0.0111	-0.0120	0.0032	-0.0193

	Y	0.0034	-0.0025	0.0030	-0.0032	-0.0001	0.0004
	Z	0.0075	-0.0070	0.0082	-0.0087	-0.0026	0.0022
AT. 102 O	X	-0.0117	-0.0109	-0.0111	-0.0120	0.0032	-0.0193
	Y	-0.0034	-0.0025	-0.0030	-0.0032	-0.0001	0.0004
	Z	0.0075	0.0070	0.0082	0.0087	0.0026	-0.0022
AT. 103 O	X	-0.0117	-0.0109	-0.0111	-0.0120	-0.0032	0.0193
	Y	0.0034	0.0025	0.0030	0.0032	-0.0001	0.0004
	Z	0.0075	0.0070	0.0082	0.0087	-0.0026	0.0022
AT. 104 O	X	0.0117	-0.0109	0.0111	-0.0120	-0.0032	0.0193
	Y	-0.0034	0.0025	-0.0030	0.0032	-0.0001	0.0004
	Z	0.0075	-0.0070	0.0082	-0.0087	0.0026	-0.0022
AT. 105 O	X	0.0117	0.0109	-0.0111	-0.0120	-0.0032	-0.0193
	Y	0.0034	0.0025	-0.0030	-0.0032	0.0001	0.0004
	Z	0.0075	0.0070	-0.0082	-0.0087	0.0026	0.0022
AT. 106 O	X	-0.0117	0.0109	0.0111	-0.0120	-0.0032	-0.0193
	Y	-0.0034	0.0025	0.0030	-0.0032	0.0001	0.0004
	Z	0.0075	-0.0070	-0.0082	0.0087	-0.0026	-0.0022
AT. 107 O	X	-0.0117	0.0109	0.0111	-0.0120	0.0032	0.0193
	Y	0.0034	-0.0025	-0.0030	0.0032	0.0001	0.0004
	Z	0.0075	-0.0070	-0.0082	0.0087	0.0026	0.0022
AT. 108 O	X	0.0117	0.0109	-0.0111	-0.0120	0.0032	0.0193
	Y	-0.0034	-0.0025	0.0030	0.0032	0.0001	0.0004
	Z	0.0075	0.0070	-0.0082	-0.0087	-0.0026	-0.0022
AT. 109 O	X	-0.0067	0.0061	-0.0054	0.0071	0.0001	0.0090
	Y	0.0089	-0.0082	0.0083	-0.0097	-0.0024	-0.0054
	Z	-0.0092	0.0091	-0.0078	0.0093	0.0011	0.0016
AT. 110 O	X	0.0067	0.0061	0.0054	0.0071	0.0001	0.0090
	Y	-0.0089	-0.0082	-0.0083	-0.0097	-0.0024	-0.0054
	Z	-0.0092	-0.0091	-0.0078	-0.0093	-0.0011	-0.0016
AT. 111 O	X	0.0067	0.0061	0.0054	0.0071	-0.0001	-0.0090
	Y	0.0089	0.0082	0.0083	0.0097	-0.0024	-0.0054
	Z	-0.0092	-0.0091	-0.0078	-0.0093	0.0011	0.0016
AT. 112 O	X	-0.0067	0.0061	-0.0054	0.0071	-0.0001	-0.0090
	Y	-0.0089	0.0082	-0.0083	0.0097	-0.0024	-0.0054
	Z	-0.0092	0.0091	-0.0078	0.0093	-0.0011	-0.0016
AT. 113 O	X	-0.0067	-0.0061	0.0054	0.0071	-0.0001	0.0090
	Y	0.0089	0.0082	-0.0083	-0.0097	0.0024	-0.0054
	Z	-0.0092	-0.0091	0.0078	0.0093	-0.0011	0.0016
AT. 114 O	X	0.0067	-0.0061	-0.0054	0.0071	-0.0001	0.0090
	Y	-0.0089	0.0082	0.0083	-0.0097	0.0024	-0.0054
	Z	-0.0092	0.0091	0.0078	-0.0093	0.0011	-0.0016
AT. 115 O	X	0.0067	-0.0061	-0.0054	0.0071	0.0001	-0.0090
	Y	0.0089	-0.0082	-0.0083	0.0097	0.0024	-0.0054
	Z	-0.0092	0.0091	0.0078	-0.0093	-0.0011	0.0016
AT. 116 O	X	-0.0067	-0.0061	0.0054	0.0071	0.0001	-0.0090
	Y	-0.0089	-0.0082	0.0083	0.0097	0.0024	-0.0054
	Z	-0.0092	-0.0091	0.0078	0.0093	0.0011	-0.0016
AT. 117 O	X	-0.0039	0.0032	-0.0035	0.0045	0.0026	-0.0115
	Y	-0.0093	0.0084	-0.0086	0.0094	-0.0035	0.0153
	Z	0.0003	0.0001	0.0004	-0.0006	0.0018	-0.0143
AT. 118 O	X	0.0039	0.0032	0.0035	0.0045	0.0026	-0.0115
	Y	0.0093	0.0084	0.0086	0.0094	-0.0035	0.0153
	Z	0.0003	-0.0001	0.0004	0.0006	-0.0018	0.0143
AT. 119 O	X	0.0039	0.0032	0.0035	0.0045	-0.0026	0.0115
	Y	-0.0093	-0.0084	-0.0086	-0.0094	-0.0035	0.0153
	Z	0.0003	-0.0001	0.0004	0.0006	0.0018	-0.0143
AT. 120 O	X	-0.0039	0.0032	-0.0035	0.0045	-0.0026	0.0115
	Y	0.0093	-0.0084	0.0086	-0.0094	-0.0035	0.0153
	Z	0.0003	0.0001	0.0004	-0.0006	-0.0018	0.0143
AT. 121 O	X	-0.0039	-0.0032	0.0035	0.0045	-0.0026	-0.0115
	Y	-0.0093	-0.0084	0.0086	0.0094	0.0035	0.0153

	Z	0.0003	-0.0001	-0.0004	-0.0006	-0.0018	-0.0143
AT. 122 O	X	0.0039	-0.0032	-0.0035	0.0045	-0.0026	-0.0115
	Y	0.0093	-0.0084	-0.0086	0.0094	0.0035	0.0153
	Z	0.0003	0.0001	-0.0004	0.0006	0.0018	0.0143
AT. 123 O	X	0.0039	-0.0032	-0.0035	0.0045	0.0026	0.0115
	Y	-0.0093	0.0084	0.0086	-0.0094	0.0035	0.0153
	Z	0.0003	0.0001	-0.0004	0.0006	-0.0018	-0.0143
AT. 124 O	X	-0.0039	-0.0032	0.0035	0.0045	0.0026	0.0115
	Y	0.0093	0.0084	-0.0086	-0.0094	0.0035	0.0153
	Z	0.0003	-0.0001	-0.0004	-0.0006	0.0018	0.0143

FREQ(CM**-1)	577.03	577.78	588.53	589.11	666.96	667.56
AT. 1 SI X	0.0003	-0.0117	0.0010	-0.0022	-0.0003	0.0003
Y	0.0009	-0.0028	-0.0004	0.0010	0.0004	-0.0005
Z	-0.0004	0.0001	0.0004	-0.0010	0.0008	-0.0007
AT. 2 SI X	-0.0003	0.0117	-0.0010	-0.0022	-0.0003	-0.0003
Y	-0.0009	0.0028	0.0004	0.0010	0.0004	0.0005
Z	-0.0004	0.0001	0.0004	0.0010	-0.0008	-0.0007
AT. 3 SI X	0.0003	0.0117	0.0010	0.0022	0.0003	0.0003
Y	-0.0009	-0.0028	0.0004	0.0010	0.0004	0.0005
Z	0.0004	0.0001	-0.0004	-0.0010	0.0008	0.0007
AT. 4 SI X	-0.0003	-0.0117	-0.0010	0.0022	0.0003	-0.0003
Y	0.0009	0.0028	-0.0004	0.0010	0.0004	-0.0005
Z	0.0004	0.0001	-0.0004	0.0010	-0.0008	0.0007
AT. 5 SI X	-0.0003	0.0117	0.0010	0.0022	-0.0003	-0.0003
Y	-0.0009	0.0028	-0.0004	-0.0010	0.0004	0.0005
Z	0.0004	-0.0001	0.0004	0.0010	0.0008	0.0007
AT. 6 SI X	0.0003	-0.0117	-0.0010	0.0022	-0.0003	0.0003
Y	0.0009	-0.0028	0.0004	-0.0010	0.0004	-0.0005
Z	0.0004	-0.0001	0.0004	-0.0010	-0.0008	0.0007
AT. 7 SI X	-0.0003	-0.0117	0.0010	-0.0022	0.0003	-0.0003
Y	0.0009	0.0028	0.0004	-0.0010	0.0004	-0.0005
Z	-0.0004	-0.0001	-0.0004	0.0010	0.0008	-0.0007
AT. 8 SI X	0.0003	0.0117	-0.0010	-0.0022	0.0003	0.0003
Y	-0.0009	-0.0028	-0.0004	-0.0010	0.0004	0.0005
Z	-0.0004	-0.0001	-0.0004	-0.0010	-0.0008	-0.0007
AT. 9 SI X	-0.0082	0.0034	-0.0081	0.0079	-0.0061	0.0064
Y	0.0005	0.0036	0.0030	-0.0030	0.0070	-0.0070
Z	-0.0003	-0.0037	-0.0018	0.0018	-0.0109	0.0109
AT. 10 SI X	0.0082	-0.0034	0.0081	0.0079	-0.0061	-0.0064
Y	-0.0005	-0.0036	-0.0030	-0.0030	0.0070	0.0070
Z	-0.0003	-0.0037	-0.0018	-0.0018	0.0109	0.0109
AT. 11 SI X	-0.0082	-0.0034	-0.0081	-0.0079	0.0061	0.0064
Y	-0.0005	0.0036	-0.0030	-0.0030	0.0070	0.0070
Z	0.0003	-0.0037	0.0018	0.0018	-0.0109	-0.0109
AT. 12 SI X	0.0082	0.0034	0.0081	-0.0079	0.0061	-0.0064
Y	0.0005	-0.0036	0.0030	-0.0030	0.0070	-0.0070
Z	0.0003	-0.0037	0.0018	-0.0018	0.0109	-0.0109
AT. 13 SI X	0.0082	-0.0034	-0.0081	-0.0079	-0.0061	-0.0064
Y	-0.0005	-0.0036	0.0030	0.0030	0.0070	0.0070
Z	0.0003	0.0037	-0.0018	-0.0018	-0.0109	-0.0109
AT. 14 SI X	-0.0082	0.0034	0.0081	-0.0079	-0.0061	0.0064
Y	0.0005	0.0036	-0.0030	0.0030	0.0070	-0.0070
Z	0.0003	0.0037	-0.0018	0.0018	0.0109	-0.0109
AT. 15 SI X	0.0082	0.0034	-0.0081	0.0079	0.0061	-0.0064
Y	0.0005	-0.0036	-0.0030	0.0030	0.0070	-0.0070
Z	-0.0003	0.0037	0.0018	-0.0018	-0.0109	0.0109
AT. 16 SI X	-0.0082	-0.0034	0.0081	0.0079	0.0061	0.0064
Y	-0.0005	0.0036	0.0030	0.0030	0.0070	0.0070
Z	-0.0003	0.0037	0.0018	0.0018	0.0109	0.0109

AT.	17 SI	X	0.0000	-0.0006	0.0000	0.0000	0.0000	0.0000
		Y	0.0149	0.0000	0.0097	-0.0097	-0.0134	0.0133
		Z	0.0000	0.0044	0.0000	0.0000	0.0000	0.0000
AT.	18 SI	X	0.0000	0.0006	0.0000	0.0000	0.0000	0.0000
		Y	-0.0149	0.0000	-0.0097	-0.0097	-0.0134	-0.0133
		Z	0.0000	0.0044	0.0000	0.0000	0.0000	0.0000
AT.	19 SI	X	0.0000	0.0006	0.0000	0.0000	0.0000	0.0000
		Y	-0.0149	0.0000	0.0097	0.0097	-0.0134	-0.0133
		Z	0.0000	-0.0044	0.0000	0.0000	0.0000	0.0000
AT.	20 SI	X	0.0000	-0.0006	0.0000	0.0000	0.0000	0.0000
		Y	0.0149	0.0000	-0.0097	0.0097	-0.0134	0.0133
		Z	0.0000	-0.0044	0.0000	0.0000	0.0000	0.0000
AT.	21 CA	X	-0.0002	0.0007	-0.0001	0.0003	0.0000	0.0001
		Y	-0.0003	0.0037	0.0004	-0.0004	0.0002	-0.0002
		Z	-0.0008	-0.0003	-0.0004	-0.0002	0.0002	-0.0003
AT.	22 CA	X	0.0002	-0.0007	0.0001	0.0003	0.0000	-0.0001
		Y	0.0003	-0.0037	-0.0004	-0.0004	0.0002	0.0002
		Z	-0.0008	-0.0003	-0.0004	0.0002	-0.0002	-0.0003
AT.	23 CA	X	-0.0002	-0.0007	-0.0001	-0.0003	0.0000	0.0001
		Y	0.0003	0.0037	-0.0004	-0.0004	0.0002	0.0002
		Z	0.0008	-0.0003	0.0004	-0.0002	0.0002	0.0003
AT.	24 CA	X	0.0002	0.0007	0.0001	-0.0003	0.0000	-0.0001
		Y	-0.0003	-0.0037	0.0004	-0.0004	0.0002	-0.0002
		Z	0.0008	-0.0003	0.0004	0.0002	-0.0002	0.0003
AT.	25 CA	X	0.0002	-0.0007	-0.0001	-0.0003	0.0000	-0.0001
		Y	0.0003	-0.0037	0.0004	0.0004	0.0002	0.0002
		Z	0.0008	0.0003	-0.0004	0.0002	0.0002	0.0003
AT.	26 CA	X	-0.0002	0.0007	0.0001	-0.0003	0.0000	0.0001
		Y	-0.0003	0.0037	-0.0004	0.0004	0.0002	-0.0002
		Z	0.0008	0.0003	-0.0004	-0.0002	-0.0002	0.0003
AT.	27 CA	X	0.0002	0.0007	-0.0001	0.0003	0.0000	-0.0001
		Y	-0.0003	-0.0037	-0.0004	0.0004	0.0002	-0.0002
		Z	-0.0008	0.0003	0.0004	0.0002	0.0002	-0.0003
AT.	28 CA	X	-0.0002	-0.0007	0.0001	0.0003	0.0000	0.0001
		Y	0.0003	0.0037	0.0004	0.0004	0.0002	0.0002
		Z	-0.0008	0.0003	0.0004	-0.0002	-0.0002	-0.0003
AT.	29 CA	X	0.0000	0.0000	0.0001	0.0000	0.0001	0.0000
		Y	0.0000	0.0000	-0.0005	0.0000	0.0000	0.0000
		Z	0.0000	0.0000	0.0006	0.0000	0.0001	0.0000
AT.	30 CA	X	0.0000	0.0000	-0.0001	0.0000	0.0001	0.0000
		Y	0.0000	0.0000	0.0005	0.0000	0.0000	0.0000
		Z	0.0000	0.0000	0.0006	0.0000	-0.0001	0.0000
AT.	31 CA	X	0.0000	0.0000	0.0001	0.0000	-0.0001	0.0000
		Y	0.0000	0.0000	0.0005	0.0000	0.0000	0.0000
		Z	0.0000	0.0000	-0.0006	0.0000	0.0001	0.0000
AT.	32 CA	X	0.0000	0.0000	-0.0001	0.0000	-0.0001	0.0000
		Y	0.0000	0.0000	-0.0005	0.0000	0.0000	0.0000
		Z	0.0000	0.0000	-0.0006	0.0000	-0.0001	0.0000
AT.	33 CA	X	0.0012	0.0003	0.0004	-0.0003	0.0001	-0.0001
		Y	-0.0001	0.0003	-0.0006	0.0006	-0.0002	0.0002
		Z	-0.0008	-0.0012	0.0017	-0.0016	-0.0001	0.0001
AT.	34 CA	X	-0.0012	-0.0003	-0.0004	-0.0003	0.0001	0.0001
		Y	0.0001	-0.0003	0.0006	0.0006	-0.0002	-0.0002
		Z	-0.0008	-0.0012	0.0017	0.0016	0.0001	0.0001
AT.	35 CA	X	0.0012	-0.0003	0.0004	0.0003	-0.0001	-0.0001
		Y	0.0001	0.0003	0.0006	0.0006	-0.0002	-0.0002
		Z	0.0008	-0.0012	-0.0017	-0.0016	-0.0001	-0.0001
AT.	36 CA	X	-0.0012	0.0003	-0.0004	0.0003	-0.0001	0.0001
		Y	-0.0001	-0.0003	-0.0006	0.0006	-0.0002	0.0002
		Z	0.0008	-0.0012	-0.0017	0.0016	0.0001	-0.0001
AT.	37 CA	X	-0.0012	-0.0003	0.0004	0.0003	0.0001	0.0001

		Y	0.0001	-0.0003	-0.0006	-0.0006	-0.0002	-0.0002
		Z	0.0008	0.0012	0.0017	0.0016	-0.0001	-0.0001
AT.	38 CA	X	0.0012	0.0003	-0.0004	0.0003	0.0001	-0.0001
		Y	-0.0001	0.0003	0.0006	-0.0006	-0.0002	0.0002
		Z	0.0008	0.0012	0.0017	-0.0016	0.0001	-0.0001
AT.	39 CA	X	-0.0012	0.0003	0.0004	-0.0003	-0.0001	0.0001
		Y	-0.0001	-0.0003	0.0006	-0.0006	-0.0002	0.0002
		Z	-0.0008	0.0012	-0.0017	0.0016	-0.0001	0.0001
AT.	40 CA	X	0.0012	-0.0003	-0.0004	-0.0003	-0.0001	-0.0001
		Y	0.0001	0.0003	-0.0006	-0.0006	-0.0002	-0.0002
		Z	-0.0008	0.0012	-0.0017	-0.0016	0.0001	0.0001
AT.	41 CA	X	0.0012	-0.0009	-0.0013	0.0013	-0.0014	0.0014
		Y	0.0021	-0.0019	-0.0028	0.0028	-0.0012	0.0012
		Z	-0.0027	-0.0005	0.0021	-0.0022	-0.0003	0.0003
AT.	42 CA	X	-0.0012	0.0009	0.0013	0.0013	-0.0014	-0.0014
		Y	-0.0021	0.0019	0.0028	0.0028	-0.0012	-0.0012
		Z	-0.0027	-0.0005	0.0021	0.0022	0.0003	0.0003
AT.	43 CA	X	0.0012	0.0009	-0.0013	-0.0013	0.0014	0.0014
		Y	-0.0021	-0.0019	0.0028	0.0028	-0.0012	-0.0012
		Z	0.0027	-0.0005	-0.0021	-0.0022	-0.0003	-0.0003
AT.	44 CA	X	-0.0012	-0.0009	0.0013	-0.0013	0.0014	-0.0014
		Y	0.0021	0.0019	-0.0028	0.0028	-0.0012	0.0012
		Z	0.0027	-0.0005	-0.0021	0.0022	0.0003	-0.0003
AT.	45 CA	X	-0.0012	0.0009	-0.0013	-0.0013	-0.0014	-0.0014
		Y	-0.0021	0.0019	-0.0028	-0.0028	-0.0012	-0.0012
		Z	0.0027	0.0005	0.0021	0.0022	-0.0003	-0.0003
AT.	46 CA	X	0.0012	-0.0009	0.0013	-0.0013	-0.0014	0.0014
		Y	0.0021	-0.0019	0.0028	-0.0028	-0.0012	0.0012
		Z	0.0027	0.0005	0.0021	-0.0022	0.0003	-0.0003
AT.	47 CA	X	-0.0012	-0.0009	-0.0013	0.0013	0.0014	-0.0014
		Y	0.0021	0.0019	0.0028	-0.0028	-0.0012	0.0012
		Z	-0.0027	0.0005	-0.0021	0.0022	-0.0003	0.0003
AT.	48 CA	X	0.0012	0.0009	0.0013	0.0013	0.0014	0.0014
		Y	-0.0021	-0.0019	-0.0028	-0.0028	-0.0012	-0.0012
		Z	-0.0027	0.0005	-0.0021	-0.0022	0.0003	0.0003
AT.	49 CA	X	0.0000	-0.0001	0.0000	0.0000	0.0000	0.0000
		Y	-0.0017	0.0000	0.0007	-0.0008	0.0026	-0.0026
		Z	0.0000	-0.0010	0.0000	0.0000	0.0000	0.0000
AT.	50 CA	X	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000
		Y	0.0017	0.0000	-0.0007	-0.0008	0.0026	0.0026
		Z	0.0000	-0.0010	0.0000	0.0000	0.0000	0.0000
AT.	51 CA	X	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000
		Y	0.0017	0.0000	0.0007	0.0008	0.0026	0.0026
		Z	0.0000	0.0010	0.0000	0.0000	0.0000	0.0000
AT.	52 CA	X	0.0000	-0.0001	0.0000	0.0000	0.0000	0.0000
		Y	-0.0017	0.0000	-0.0007	0.0008	0.0026	-0.0026
		Z	0.0000	0.0010	0.0000	0.0000	0.0000	0.0000
AT.	53 O	X	-0.0007	0.0117	-0.0026	0.0039	-0.0005	0.0005
		Y	0.0014	-0.0118	-0.0017	0.0013	-0.0007	0.0007
		Z	0.0021	0.0003	-0.0029	0.0026	-0.0011	0.0014
AT.	54 O	X	0.0007	-0.0117	0.0026	0.0039	-0.0005	-0.0005
		Y	-0.0014	0.0118	0.0017	0.0013	-0.0007	-0.0007
		Z	0.0021	0.0003	-0.0029	-0.0026	0.0011	0.0014
AT.	55 O	X	-0.0007	-0.0117	-0.0026	-0.0039	0.0005	0.0005
		Y	-0.0014	-0.0118	0.0017	0.0013	-0.0007	-0.0007
		Z	-0.0021	0.0003	0.0029	0.0026	-0.0011	-0.0014
AT.	56 O	X	0.0007	0.0117	0.0026	-0.0039	0.0005	-0.0005
		Y	0.0014	0.0118	-0.0017	0.0013	-0.0007	0.0007
		Z	-0.0021	0.0003	0.0029	-0.0026	0.0011	-0.0014
AT.	57 O	X	0.0007	-0.0117	-0.0026	-0.0039	-0.0005	-0.0005
		Y	-0.0014	0.0118	-0.0017	-0.0013	-0.0007	-0.0007

		Z	-0.0021	-0.0003	-0.0029	-0.0026	-0.0011	-0.0014
AT.	58 O	X	-0.0007	0.0117	0.0026	-0.0039	-0.0005	0.0005
		Y	0.0014	-0.0118	0.0017	-0.0013	-0.0007	0.0007
		Z	-0.0021	-0.0003	-0.0029	0.0026	0.0011	-0.0014
AT.	59 O	X	0.0007	0.0117	-0.0026	0.0039	0.0005	-0.0005
		Y	0.0014	0.0118	0.0017	-0.0013	-0.0007	0.0007
		Z	0.0021	-0.0003	0.0029	-0.0026	-0.0011	0.0014
AT.	60 O	X	-0.0007	-0.0117	0.0026	0.0039	0.0005	0.0005
		Y	-0.0014	-0.0118	-0.0017	-0.0013	-0.0007	-0.0007
		Z	0.0021	-0.0003	0.0029	0.0026	0.0011	0.0014
AT.	61 O	X	0.0004	0.0123	-0.0017	0.0024	0.0013	-0.0011
		Y	-0.0028	0.0074	0.0037	-0.0036	0.0005	-0.0006
		Z	0.0010	0.0023	-0.0029	0.0042	-0.0005	0.0003
AT.	62 O	X	-0.0004	-0.0123	0.0017	0.0024	0.0013	0.0011
		Y	0.0028	-0.0074	-0.0037	-0.0036	0.0005	0.0006
		Z	0.0010	0.0023	-0.0029	-0.0042	0.0005	0.0003
AT.	63 O	X	0.0004	-0.0123	-0.0017	-0.0024	-0.0013	-0.0011
		Y	0.0028	0.0074	-0.0037	-0.0036	0.0005	0.0006
		Z	-0.0010	0.0023	0.0029	0.0042	-0.0005	-0.0003
AT.	64 O	X	-0.0004	0.0123	0.0017	-0.0024	-0.0013	0.0011
		Y	-0.0028	-0.0074	0.0037	-0.0036	0.0005	-0.0006
		Z	-0.0010	0.0023	0.0029	-0.0042	0.0005	-0.0003
AT.	65 O	X	-0.0004	-0.0123	-0.0017	-0.0024	0.0013	0.0011
		Y	0.0028	-0.0074	0.0037	0.0036	0.0005	0.0006
		Z	-0.0010	-0.0023	-0.0029	-0.0042	-0.0005	-0.0003
AT.	66 O	X	0.0004	0.0123	0.0017	-0.0024	0.0013	-0.0011
		Y	-0.0028	0.0074	-0.0037	0.0036	0.0005	-0.0006
		Z	-0.0010	-0.0023	-0.0029	0.0042	0.0005	-0.0003
AT.	67 O	X	-0.0004	0.0123	-0.0017	0.0024	-0.0013	0.0011
		Y	-0.0028	-0.0074	-0.0037	0.0036	0.0005	-0.0006
		Z	0.0010	-0.0023	0.0029	-0.0042	-0.0005	0.0003
AT.	68 O	X	0.0004	-0.0123	0.0017	0.0024	-0.0013	-0.0011
		Y	0.0028	0.0074	0.0037	0.0036	0.0005	0.0006
		Z	0.0010	-0.0023	0.0029	0.0042	0.0005	0.0003
AT.	69 O	X	-0.0009	0.0131	0.0005	0.0015	0.0006	-0.0005
		Y	0.0002	0.0072	-0.0003	-0.0005	-0.0004	0.0006
		Z	-0.0015	-0.0023	0.0031	-0.0040	0.0009	-0.0009
AT.	70 O	X	0.0009	-0.0131	-0.0005	0.0015	0.0006	0.0005
		Y	-0.0002	-0.0072	0.0003	-0.0005	-0.0004	-0.0006
		Z	-0.0015	-0.0023	0.0031	0.0040	-0.0009	-0.0009
AT.	71 O	X	-0.0009	-0.0131	0.0005	-0.0015	-0.0006	-0.0005
		Y	-0.0002	0.0072	0.0003	-0.0005	-0.0004	-0.0006
		Z	0.0015	-0.0023	-0.0031	-0.0040	0.0009	0.0009
AT.	72 O	X	0.0009	0.0131	-0.0005	-0.0015	-0.0006	0.0005
		Y	0.0002	-0.0072	-0.0003	-0.0005	-0.0004	0.0006
		Z	0.0015	-0.0023	-0.0031	0.0040	-0.0009	0.0009
AT.	73 O	X	0.0009	-0.0131	0.0005	-0.0015	0.0006	0.0005
		Y	-0.0002	-0.0072	-0.0003	0.0005	-0.0004	-0.0006
		Z	0.0015	0.0023	0.0031	0.0040	0.0009	0.0009
AT.	74 O	X	-0.0009	0.0131	-0.0005	-0.0015	0.0006	-0.0005
		Y	0.0002	0.0072	0.0003	0.0005	-0.0004	0.0006
		Z	0.0015	0.0023	0.0031	-0.0040	-0.0009	0.0009
AT.	75 O	X	0.0009	0.0131	0.0005	0.0015	-0.0006	0.0005
		Y	0.0002	-0.0072	0.0003	0.0005	-0.0004	0.0006
		Z	-0.0015	0.0023	-0.0031	0.0040	0.0009	-0.0009
AT.	76 O	X	-0.0009	-0.0131	-0.0005	0.0015	-0.0006	-0.0005
		Y	-0.0002	0.0072	-0.0003	0.0005	-0.0004	-0.0006
		Z	-0.0015	0.0023	-0.0031	-0.0040	-0.0009	-0.0009
AT.	77 O	X	-0.0001	-0.0122	0.0011	-0.0023	-0.0006	0.0005
		Y	-0.0011	0.0051	0.0021	-0.0026	0.0005	-0.0004
		Z	0.0018	0.0001	-0.0014	0.0012	-0.0003	0.0004

AT.	78	O	X	0.0001	0.0122	-0.0011	-0.0023	-0.0006	-0.0005
			Y	0.0011	-0.0051	-0.0021	-0.0026	0.0005	0.0004
			Z	0.0018	0.0001	-0.0014	-0.0012	0.0003	0.0004
AT.	79	O	X	-0.0001	0.0122	0.0011	0.0023	0.0006	0.0005
			Y	0.0011	0.0051	-0.0021	-0.0026	0.0005	0.0004
			Z	-0.0018	0.0001	0.0014	0.0012	-0.0003	-0.0004
AT.	80	O	X	0.0001	-0.0122	-0.0011	0.0023	0.0006	-0.0005
			Y	-0.0011	-0.0051	0.0021	-0.0026	0.0005	-0.0004
			Z	-0.0018	0.0001	0.0014	-0.0012	0.0003	-0.0004
AT.	81	O	X	0.0001	0.0122	0.0011	0.0023	-0.0006	-0.0005
			Y	0.0011	-0.0051	0.0021	0.0026	0.0005	0.0004
			Z	-0.0018	-0.0001	-0.0014	-0.0012	-0.0003	-0.0004
AT.	82	O	X	-0.0001	-0.0122	-0.0011	0.0023	-0.0006	0.0005
			Y	-0.0011	0.0051	-0.0021	0.0026	0.0005	-0.0004
			Z	-0.0018	-0.0001	-0.0014	0.0012	0.0003	-0.0004
AT.	83	O	X	0.0001	-0.0122	0.0011	-0.0023	0.0006	-0.0005
			Y	-0.0011	-0.0051	-0.0021	0.0026	0.0005	-0.0004
			Z	0.0018	-0.0001	0.0014	-0.0012	-0.0003	0.0004
AT.	84	O	X	-0.0001	0.0122	-0.0011	-0.0023	0.0006	0.0005
			Y	0.0011	0.0051	0.0021	0.0026	0.0005	0.0004
			Z	0.0018	-0.0001	0.0014	0.0012	0.0003	0.0004
AT.	85	O	X	0.0067	-0.0039	0.0040	-0.0041	0.0056	-0.0056
			Y	0.0040	-0.0087	0.0012	-0.0007	-0.0060	0.0057
			Z	0.0042	-0.0013	0.0092	-0.0093	-0.0029	0.0027
AT.	86	O	X	-0.0067	0.0039	-0.0040	-0.0041	0.0056	0.0056
			Y	-0.0040	0.0087	-0.0012	-0.0007	-0.0060	-0.0057
			Z	0.0042	-0.0013	0.0092	0.0093	0.0029	0.0027
AT.	87	O	X	0.0067	0.0039	0.0040	0.0041	-0.0056	-0.0056
			Y	-0.0040	-0.0087	-0.0012	-0.0007	-0.0060	-0.0057
			Z	-0.0042	-0.0013	-0.0092	-0.0093	-0.0029	-0.0027
AT.	88	O	X	-0.0067	-0.0039	-0.0040	0.0041	-0.0056	0.0056
			Y	0.0040	0.0087	0.0012	-0.0007	-0.0060	0.0057
			Z	-0.0042	-0.0013	-0.0092	0.0093	0.0029	-0.0027
AT.	89	O	X	-0.0067	0.0039	0.0040	0.0041	0.0056	0.0056
			Y	-0.0040	0.0087	0.0012	0.0007	-0.0060	-0.0057
			Z	-0.0042	0.0013	0.0092	0.0093	-0.0029	-0.0027
AT.	90	O	X	0.0067	-0.0039	-0.0040	0.0041	0.0056	-0.0056
			Y	0.0040	-0.0087	-0.0012	0.0007	-0.0060	0.0057
			Z	-0.0042	0.0013	0.0092	-0.0093	0.0029	-0.0027
AT.	91	O	X	-0.0067	-0.0039	0.0040	-0.0041	-0.0056	0.0056
			Y	0.0040	0.0087	-0.0012	0.0007	-0.0060	0.0057
			Z	0.0042	0.0013	-0.0092	0.0093	-0.0029	0.0027
AT.	92	O	X	0.0067	0.0039	-0.0040	-0.0041	-0.0056	-0.0056
			Y	-0.0040	-0.0087	0.0012	0.0007	-0.0060	-0.0057
			Z	0.0042	0.0013	-0.0092	-0.0093	0.0029	0.0027
AT.	93	O	X	0.0056	-0.0032	0.0072	-0.0071	0.0031	-0.0032
			Y	-0.0091	0.0068	-0.0023	0.0020	0.0035	-0.0032
			Z	0.0008	0.0062	-0.0046	0.0042	0.0054	-0.0051
AT.	94	O	X	-0.0056	0.0032	-0.0072	-0.0071	0.0031	0.0032
			Y	0.0091	-0.0068	0.0023	0.0020	0.0035	0.0032
			Z	0.0008	0.0062	-0.0046	-0.0042	-0.0054	-0.0051
AT.	95	O	X	0.0056	0.0032	0.0072	0.0071	-0.0031	-0.0032
			Y	0.0091	0.0068	0.0023	0.0020	0.0035	0.0032
			Z	-0.0008	0.0062	0.0046	0.0042	0.0054	0.0051
AT.	96	O	X	-0.0056	-0.0032	-0.0072	0.0071	-0.0031	0.0032
			Y	-0.0091	-0.0068	-0.0023	0.0020	0.0035	-0.0032
			Z	-0.0008	0.0062	0.0046	-0.0042	-0.0054	0.0051
AT.	97	O	X	-0.0056	0.0032	0.0072	0.0071	0.0031	0.0032
			Y	0.0091	-0.0068	-0.0023	-0.0020	0.0035	0.0032
			Z	-0.0008	-0.0062	-0.0046	-0.0042	0.0054	0.0051
AT.	98	O	X	0.0056	-0.0032	-0.0072	0.0071	0.0031	-0.0032

	Y	-0.0091	0.0068	0.0023	-0.0020	0.0035	-0.0032
	Z	-0.0008	-0.0062	-0.0046	0.0042	-0.0054	0.0051
AT. 99 O	X	-0.0056	-0.0032	0.0072	-0.0071	-0.0031	0.0032
	Y	-0.0091	-0.0068	0.0023	-0.0020	0.0035	-0.0032
	Z	0.0008	-0.0062	0.0046	-0.0042	0.0054	-0.0051
AT. 100 O	X	0.0056	0.0032	-0.0072	-0.0071	-0.0031	-0.0032
	Y	0.0091	0.0068	-0.0023	-0.0020	0.0035	0.0032
	Z	0.0008	-0.0062	0.0046	0.0042	-0.0054	-0.0051
AT. 101 O	X	0.0195	-0.0060	0.0217	-0.0210	0.0182	-0.0183
	Y	-0.0009	-0.0013	-0.0051	0.0050	0.0031	-0.0030
	Z	-0.0023	-0.0044	-0.0083	0.0087	0.0086	-0.0086
AT. 102 O	X	-0.0195	0.0060	-0.0217	-0.0210	0.0182	0.0183
	Y	0.0009	0.0013	0.0051	0.0050	0.0031	0.0030
	Z	-0.0023	-0.0044	-0.0083	-0.0087	-0.0086	-0.0086
AT. 103 O	X	0.0195	0.0060	0.0217	0.0210	-0.0182	-0.0183
	Y	0.0009	-0.0013	0.0051	0.0050	0.0031	0.0030
	Z	0.0023	-0.0044	0.0083	0.0087	0.0086	0.0086
AT. 104 O	X	-0.0195	-0.0060	-0.0217	0.0210	-0.0182	0.0183
	Y	-0.0009	0.0013	-0.0051	0.0050	0.0031	-0.0030
	Z	0.0023	-0.0044	0.0083	-0.0087	-0.0086	0.0086
AT. 105 O	X	-0.0195	0.0060	0.0217	0.0210	0.0182	0.0183
	Y	0.0009	0.0013	-0.0051	-0.0050	0.0031	0.0030
	Z	0.0023	0.0044	-0.0083	-0.0087	0.0086	0.0086
AT. 106 O	X	0.0195	-0.0060	-0.0217	0.0210	0.0182	-0.0183
	Y	-0.0009	-0.0013	0.0051	-0.0050	0.0031	-0.0030
	Z	0.0023	0.0044	-0.0083	0.0087	-0.0086	0.0086
AT. 107 O	X	-0.0195	-0.0060	0.0217	-0.0210	-0.0182	0.0183
	Y	-0.0009	0.0013	0.0051	-0.0050	0.0031	-0.0030
	Z	-0.0023	0.0044	0.0083	-0.0087	0.0086	-0.0086
AT. 108 O	X	0.0195	0.0060	-0.0217	-0.0210	-0.0182	-0.0183
	Y	0.0009	-0.0013	-0.0051	-0.0050	0.0031	0.0030
	Z	-0.0023	0.0044	0.0083	0.0087	-0.0086	-0.0086
AT. 109 O	X	-0.0091	0.0042	-0.0087	0.0085	-0.0072	0.0072
	Y	0.0054	-0.0055	-0.0019	0.0021	-0.0022	0.0023
	Z	-0.0021	0.0054	-0.0049	0.0046	0.0046	-0.0045
AT. 110 O	X	0.0091	-0.0042	0.0087	0.0085	-0.0072	-0.0072
	Y	-0.0054	0.0055	0.0019	0.0021	-0.0022	-0.0023
	Z	-0.0021	0.0054	-0.0049	-0.0046	-0.0046	-0.0045
AT. 111 O	X	-0.0091	-0.0042	-0.0087	-0.0085	0.0072	0.0072
	Y	-0.0054	-0.0055	0.0019	0.0021	-0.0022	-0.0023
	Z	0.0021	0.0054	0.0049	0.0046	0.0046	0.0045
AT. 112 O	X	0.0091	0.0042	0.0087	-0.0085	0.0072	-0.0072
	Y	0.0054	0.0055	-0.0019	0.0021	-0.0022	0.0023
	Z	0.0021	0.0054	0.0049	-0.0046	-0.0046	0.0045
AT. 113 O	X	0.0091	-0.0042	-0.0087	-0.0085	-0.0072	-0.0072
	Y	-0.0054	0.0055	-0.0019	-0.0021	-0.0022	-0.0023
	Z	0.0021	-0.0054	-0.0049	-0.0046	0.0046	0.0045
AT. 114 O	X	-0.0091	0.0042	0.0087	-0.0085	-0.0072	0.0072
	Y	0.0054	-0.0055	0.0019	-0.0021	-0.0022	0.0023
	Z	0.0021	-0.0054	-0.0049	0.0046	-0.0046	0.0045
AT. 115 O	X	0.0091	0.0042	-0.0087	0.0085	0.0072	-0.0072
	Y	0.0054	0.0055	0.0019	-0.0021	-0.0022	0.0023
	Z	-0.0021	-0.0054	0.0049	-0.0046	0.0046	-0.0045
AT. 116 O	X	-0.0091	-0.0042	0.0087	0.0085	0.0072	0.0072
	Y	-0.0054	-0.0055	-0.0019	-0.0021	-0.0022	-0.0023
	Z	-0.0021	-0.0054	0.0049	0.0046	-0.0046	-0.0045
AT. 117 O	X	0.0114	0.0027	0.0100	-0.0101	-0.0128	0.0128
	Y	-0.0149	0.0046	-0.0130	0.0129	0.0004	-0.0005
	Z	0.0141	-0.0003	0.0123	-0.0122	-0.0093	0.0092
AT. 118 O	X	-0.0114	-0.0027	-0.0100	-0.0101	-0.0128	-0.0128
	Y	0.0149	-0.0046	0.0130	0.0129	0.0004	0.0005

	Z	0.0141	-0.0003	0.0123	0.0122	0.0093	0.0092
AT. 119 O	X	0.0114	-0.0027	0.0100	0.0101	0.0128	0.0128
	Y	0.0149	0.0046	0.0130	0.0129	0.0004	0.0005
	Z	-0.0141	-0.0003	-0.0123	-0.0122	-0.0093	-0.0092
AT. 120 O	X	-0.0114	0.0027	-0.0100	0.0101	0.0128	-0.0128
	Y	-0.0149	-0.0046	-0.0130	0.0129	0.0004	-0.0005
	Z	-0.0141	-0.0003	-0.0123	0.0122	0.0093	-0.0092
AT. 121 O	X	-0.0114	-0.0027	0.0100	0.0101	-0.0128	-0.0128
	Y	0.0149	-0.0046	-0.0130	-0.0129	0.0004	0.0005
	Z	-0.0141	0.0003	0.0123	0.0122	-0.0093	-0.0092
AT. 122 O	X	0.0114	0.0027	-0.0100	0.0101	-0.0128	0.0128
	Y	-0.0149	0.0046	0.0130	-0.0129	0.0004	-0.0005
	Z	-0.0141	0.0003	0.0123	-0.0122	0.0093	-0.0092
AT. 123 O	X	-0.0114	0.0027	0.0100	-0.0101	0.0128	-0.0128
	Y	-0.0149	-0.0046	0.0130	-0.0129	0.0004	-0.0005
	Z	0.0141	0.0003	-0.0123	0.0122	-0.0093	0.0092
AT. 124 O	X	0.0114	-0.0027	-0.0100	-0.0101	0.0128	0.0128
	Y	0.0149	0.0046	-0.0130	-0.0129	0.0004	0.0005
	Z	0.0141	0.0003	-0.0123	-0.0122	0.0093	0.0092

FREQ(CM**-1)		678.38	678.42	707.52	708.63	708.83	708.88
AT. 1 SI	X	0.0002	-0.0002	0.0001	-0.0001	0.0002	-0.0001
	Y	-0.0003	0.0005	-0.0005	-0.0001	-0.0005	-0.0004
	Z	-0.0005	0.0004	0.0002	0.0002	-0.0004	0.0002
AT. 2 SI	X	0.0002	0.0002	-0.0001	-0.0001	0.0002	0.0001
	Y	-0.0003	-0.0005	0.0005	-0.0001	-0.0005	0.0004
	Z	0.0005	0.0004	0.0002	-0.0002	0.0004	0.0002
AT. 3 SI	X	-0.0002	-0.0002	-0.0001	-0.0001	0.0002	0.0001
	Y	-0.0003	-0.0005	-0.0005	0.0001	0.0005	-0.0004
	Z	-0.0005	-0.0004	0.0002	-0.0002	0.0004	0.0002
AT. 4 SI	X	-0.0002	0.0002	0.0001	-0.0001	0.0002	-0.0001
	Y	-0.0003	0.0005	0.0005	0.0001	0.0005	0.0004
	Z	0.0005	-0.0004	0.0002	0.0002	-0.0004	0.0002
AT. 5 SI	X	-0.0002	-0.0002	0.0001	-0.0001	-0.0002	0.0001
	Y	0.0003	0.0005	-0.0005	-0.0001	0.0005	0.0004
	Z	0.0005	0.0004	0.0002	0.0002	0.0004	-0.0002
AT. 6 SI	X	-0.0002	0.0002	-0.0001	-0.0001	-0.0002	-0.0001
	Y	0.0003	-0.0005	0.0005	-0.0001	0.0005	-0.0004
	Z	-0.0005	0.0004	0.0002	-0.0002	-0.0004	-0.0002
AT. 7 SI	X	0.0002	-0.0002	-0.0001	-0.0001	-0.0002	-0.0001
	Y	0.0003	-0.0005	-0.0005	0.0001	-0.0005	0.0004
	Z	0.0005	-0.0004	0.0002	-0.0002	-0.0004	-0.0002
AT. 8 SI	X	0.0002	0.0002	0.0001	-0.0001	-0.0002	0.0001
	Y	0.0003	0.0005	0.0005	0.0001	-0.0005	-0.0004
	Z	-0.0005	-0.0004	0.0002	0.0002	0.0004	-0.0002
AT. 9 SI	X	-0.0061	0.0061	0.0054	0.0056	0.0054	0.0057
	Y	0.0064	-0.0063	-0.0072	-0.0060	-0.0073	-0.0060
	Z	-0.0103	0.0104	0.0097	0.0100	0.0092	0.0099
AT. 10 SI	X	-0.0061	-0.0061	-0.0054	0.0056	0.0054	-0.0057
	Y	0.0064	0.0063	0.0072	-0.0060	-0.0073	0.0060
	Z	0.0103	0.0104	0.0097	-0.0100	-0.0092	0.0099
AT. 11 SI	X	0.0061	0.0061	-0.0054	0.0056	0.0054	-0.0057
	Y	0.0064	0.0063	-0.0072	0.0060	0.0073	-0.0060
	Z	-0.0103	-0.0104	0.0097	-0.0100	-0.0092	0.0099
AT. 12 SI	X	0.0061	-0.0061	0.0054	0.0056	0.0054	0.0057
	Y	0.0064	-0.0063	0.0072	0.0060	0.0073	0.0060
	Z	0.0103	-0.0104	0.0097	0.0100	0.0092	0.0099
AT. 13 SI	X	0.0061	0.0061	0.0054	0.0056	-0.0054	-0.0057
	Y	-0.0064	-0.0063	-0.0072	-0.0060	0.0073	0.0060
	Z	0.0103	0.0104	0.0097	0.0100	-0.0092	-0.0099

AT. 14	SI	X	0.0061	-0.0061	-0.0054	0.0056	-0.0054	0.0057
		Y	-0.0064	0.0063	0.0072	-0.0060	0.0073	-0.0060
		Z	-0.0103	0.0104	0.0097	-0.0100	0.0092	-0.0099
AT. 15	SI	X	-0.0061	0.0061	-0.0054	0.0056	-0.0054	0.0057
		Y	-0.0064	0.0063	-0.0072	0.0060	-0.0073	0.0060
		Z	0.0103	-0.0104	0.0097	-0.0100	0.0092	-0.0099
AT. 16	SI	X	-0.0061	-0.0061	0.0054	0.0056	-0.0054	-0.0057
		Y	-0.0064	-0.0063	0.0072	0.0060	-0.0073	-0.0060
		Z	-0.0103	-0.0104	0.0097	0.0100	-0.0092	-0.0099
AT. 17	SI	X	0.0000	0.0000	0.0151	0.0160	0.0150	0.0160
		Y	-0.0132	0.0131	0.0000	0.0000	0.0000	0.0000
		Z	0.0000	0.0000	-0.0111	-0.0106	-0.0114	-0.0105
AT. 18	SI	X	0.0000	0.0000	-0.0151	0.0160	0.0150	-0.0160
		Y	-0.0132	-0.0131	0.0000	0.0000	0.0000	0.0000
		Z	0.0000	0.0000	-0.0111	0.0106	0.0114	-0.0105
AT. 19	SI	X	0.0000	0.0000	0.0151	0.0160	-0.0150	-0.0160
		Y	0.0132	0.0131	0.0000	0.0000	0.0000	0.0000
		Z	0.0000	0.0000	-0.0111	-0.0106	0.0114	0.0105
AT. 20	SI	X	0.0000	0.0000	-0.0151	0.0160	-0.0150	0.0160
		Y	0.0132	-0.0131	0.0000	0.0000	0.0000	0.0000
		Z	0.0000	0.0000	-0.0111	0.0106	-0.0114	0.0105
AT. 21	CA	X	0.0000	0.0000	0.0000	0.0000	0.0001	-0.0001
		Y	0.0006	-0.0004	-0.0001	-0.0004	-0.0001	-0.0006
		Z	0.0002	-0.0002	-0.0004	-0.0004	-0.0003	-0.0003
AT. 22	CA	X	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001
		Y	0.0006	0.0004	0.0001	-0.0004	-0.0001	0.0006
		Z	-0.0002	-0.0002	-0.0004	0.0004	0.0003	-0.0003
AT. 23	CA	X	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001
		Y	0.0006	0.0004	-0.0001	0.0004	0.0001	-0.0006
		Z	0.0002	0.0002	-0.0004	0.0004	0.0003	-0.0003
AT. 24	CA	X	0.0000	0.0000	0.0000	0.0000	0.0001	-0.0001
		Y	0.0006	-0.0004	0.0001	0.0004	0.0001	0.0006
		Z	-0.0002	0.0002	-0.0004	-0.0004	-0.0003	-0.0003
AT. 25	CA	X	0.0000	0.0000	0.0000	0.0000	-0.0001	0.0001
		Y	-0.0006	-0.0004	-0.0001	-0.0004	0.0001	0.0006
		Z	-0.0002	-0.0002	-0.0004	-0.0004	0.0003	0.0003
AT. 26	CA	X	0.0000	0.0000	0.0000	0.0000	-0.0001	-0.0001
		Y	-0.0006	0.0004	0.0001	-0.0004	0.0001	-0.0006
		Z	0.0002	-0.0002	-0.0004	0.0004	-0.0003	0.0003
AT. 27	CA	X	0.0000	0.0000	0.0000	0.0000	-0.0001	-0.0001
		Y	-0.0006	0.0004	-0.0001	0.0004	-0.0001	0.0006
		Z	-0.0002	0.0002	-0.0004	0.0004	-0.0003	0.0003
AT. 28	CA	X	0.0000	0.0000	0.0000	0.0000	-0.0001	0.0001
		Y	-0.0006	-0.0004	0.0001	0.0004	-0.0001	-0.0006
		Z	0.0002	0.0002	-0.0004	-0.0004	0.0003	0.0003
AT. 29	CA	X	0.0000	-0.0002	-0.0002	-0.0001	0.0000	0.0000
		Y	0.0000	-0.0002	-0.0001	-0.0001	0.0000	0.0000
		Z	0.0000	-0.0005	-0.0003	-0.0004	0.0000	0.0000
AT. 30	CA	X	0.0000	0.0002	0.0002	-0.0001	0.0000	0.0000
		Y	0.0000	0.0002	0.0001	-0.0001	0.0000	0.0000
		Z	0.0000	-0.0005	-0.0003	0.0004	0.0000	0.0000
AT. 31	CA	X	0.0000	-0.0002	0.0002	-0.0001	0.0000	0.0000
		Y	0.0000	0.0002	-0.0001	0.0001	0.0000	0.0000
		Z	0.0000	0.0005	-0.0003	0.0004	0.0000	0.0000
AT. 32	CA	X	0.0000	0.0002	-0.0002	-0.0001	0.0000	0.0000
		Y	0.0000	-0.0002	0.0001	0.0001	0.0000	0.0000
		Z	0.0000	0.0005	-0.0003	-0.0004	0.0000	0.0000
AT. 33	CA	X	0.0001	-0.0001	-0.0002	0.0000	-0.0003	0.0000
		Y	0.0001	-0.0001	0.0004	0.0004	0.0003	0.0004
		Z	-0.0002	0.0002	-0.0005	-0.0006	-0.0002	-0.0005
AT. 34	CA	X	0.0001	0.0001	0.0002	0.0000	-0.0003	0.0000

		Y	0.0001	0.0001	-0.0004	0.0004	0.0003	-0.0004
		Z	0.0002	0.0002	-0.0005	0.0006	0.0002	-0.0005
AT.	35	CA X	-0.0001	-0.0001	0.0002	0.0000	-0.0003	0.0000
		Y	0.0001	0.0001	0.0004	-0.0004	-0.0003	0.0004
		Z	-0.0002	-0.0002	-0.0005	0.0006	0.0002	-0.0005
AT.	36	CA X	-0.0001	0.0001	-0.0002	0.0000	-0.0003	0.0000
		Y	0.0001	-0.0001	-0.0004	-0.0004	-0.0003	-0.0004
		Z	0.0002	-0.0002	-0.0005	-0.0006	-0.0002	-0.0005
AT.	37	CA X	-0.0001	-0.0001	-0.0002	0.0000	0.0003	0.0000
		Y	-0.0001	-0.0001	0.0004	0.0004	-0.0003	-0.0004
		Z	0.0002	0.0002	-0.0005	-0.0006	0.0002	0.0005
AT.	38	CA X	-0.0001	0.0001	0.0002	0.0000	0.0003	0.0000
		Y	-0.0001	0.0001	-0.0004	0.0004	-0.0003	0.0004
		Z	-0.0002	0.0002	-0.0005	0.0006	-0.0002	0.0005
AT.	39	CA X	0.0001	-0.0001	0.0002	0.0000	0.0003	0.0000
		Y	-0.0001	0.0001	0.0004	-0.0004	0.0003	-0.0004
		Z	0.0002	-0.0002	-0.0005	0.0006	-0.0002	0.0005
AT.	40	CA X	0.0001	0.0001	-0.0002	0.0000	0.0003	0.0000
		Y	-0.0001	-0.0001	-0.0004	-0.0004	0.0003	0.0004
		Z	-0.0002	-0.0002	-0.0005	-0.0006	0.0002	0.0005
AT.	41	CA X	0.0016	-0.0016	0.0010	-0.0010	0.0010	-0.0010
		Y	0.0008	-0.0008	0.0004	0.0008	0.0004	0.0008
		Z	-0.0003	0.0004	0.0006	-0.0005	0.0008	-0.0005
AT.	42	CA X	0.0016	0.0016	-0.0010	-0.0010	0.0010	0.0010
		Y	0.0008	0.0008	-0.0004	0.0008	0.0004	-0.0008
		Z	0.0003	0.0004	0.0006	0.0005	-0.0008	-0.0005
AT.	43	CA X	-0.0016	-0.0016	-0.0010	-0.0010	0.0010	0.0010
		Y	0.0008	0.0008	0.0004	-0.0008	-0.0004	0.0008
		Z	-0.0003	-0.0004	0.0006	0.0005	-0.0008	-0.0005
AT.	44	CA X	-0.0016	0.0016	0.0010	-0.0010	0.0010	-0.0010
		Y	0.0008	-0.0008	-0.0004	-0.0008	-0.0004	-0.0008
		Z	0.0003	-0.0004	0.0006	-0.0005	0.0008	-0.0005
AT.	45	CA X	-0.0016	-0.0016	0.0010	-0.0010	-0.0010	0.0010
		Y	-0.0008	-0.0008	0.0004	0.0008	-0.0004	-0.0008
		Z	0.0003	0.0004	0.0006	-0.0005	-0.0008	0.0005
AT.	46	CA X	-0.0016	0.0016	-0.0010	-0.0010	-0.0010	-0.0010
		Y	-0.0008	0.0008	-0.0004	0.0008	-0.0004	0.0008
		Z	-0.0003	0.0004	0.0006	0.0005	0.0008	0.0005
AT.	47	CA X	0.0016	-0.0016	-0.0010	-0.0010	-0.0010	-0.0010
		Y	-0.0008	0.0008	0.0004	-0.0008	0.0004	-0.0008
		Z	0.0003	-0.0004	0.0006	0.0005	0.0008	0.0005
AT.	48	CA X	0.0016	0.0016	0.0010	-0.0010	-0.0010	0.0010
		Y	-0.0008	-0.0008	-0.0004	-0.0008	0.0004	0.0008
		Z	-0.0003	-0.0004	0.0006	-0.0005	-0.0008	0.0005
AT.	49	CA X	0.0000	0.0000	-0.0013	-0.0005	-0.0013	-0.0005
		Y	0.0009	-0.0009	0.0000	0.0000	0.0000	0.0000
		Z	0.0000	0.0000	0.0001	0.0003	0.0003	0.0003
AT.	50	CA X	0.0000	0.0000	0.0013	-0.0005	-0.0013	0.0005
		Y	0.0009	0.0009	0.0000	0.0000	0.0000	0.0000
		Z	0.0000	0.0000	0.0001	-0.0003	-0.0003	0.0003
AT.	51	CA X	0.0000	0.0000	-0.0013	-0.0005	0.0013	0.0005
		Y	-0.0009	-0.0009	0.0000	0.0000	0.0000	0.0000
		Z	0.0000	0.0000	0.0001	0.0003	-0.0003	-0.0003
AT.	52	CA X	0.0000	0.0000	0.0013	-0.0005	0.0013	-0.0005
		Y	-0.0009	0.0009	0.0000	0.0000	0.0000	0.0000
		Z	0.0000	0.0000	0.0001	-0.0003	0.0003	-0.0003
AT.	53	O X	-0.0005	0.0003	0.0004	0.0005	0.0004	0.0007
		Y	-0.0004	-0.0003	0.0005	0.0004	0.0006	0.0012
		Z	-0.0009	0.0014	0.0014	0.0015	0.0009	0.0011
AT.	54	O X	-0.0005	-0.0003	-0.0004	0.0005	0.0004	-0.0007
		Y	-0.0004	0.0003	-0.0005	0.0004	0.0006	-0.0012

		Z	0.0009	0.0014	0.0014	-0.0015	-0.0009	0.0011
AT.	55 O	X	0.0005	0.0003	-0.0004	0.0005	0.0004	-0.0007
		Y	-0.0004	0.0003	0.0005	-0.0004	-0.0006	0.0012
		Z	-0.0009	-0.0014	0.0014	-0.0015	-0.0009	0.0011
AT.	56 O	X	0.0005	-0.0003	0.0004	0.0005	0.0004	0.0007
		Y	-0.0004	-0.0003	-0.0005	-0.0004	-0.0006	-0.0012
		Z	0.0009	-0.0014	0.0014	0.0015	0.0009	0.0011
AT.	57 O	X	0.0005	0.0003	0.0004	0.0005	-0.0004	-0.0007
		Y	0.0004	-0.0003	0.0005	0.0004	-0.0006	-0.0012
		Z	0.0009	0.0014	0.0014	0.0015	-0.0009	-0.0011
AT.	58 O	X	0.0005	-0.0003	-0.0004	0.0005	-0.0004	0.0007
		Y	0.0004	0.0003	-0.0005	0.0004	-0.0006	0.0012
		Z	-0.0009	0.0014	0.0014	-0.0015	0.0009	-0.0011
AT.	59 O	X	-0.0005	0.0003	-0.0004	0.0005	-0.0004	0.0007
		Y	0.0004	0.0003	0.0005	-0.0004	0.0006	-0.0012
		Z	0.0009	-0.0014	0.0014	-0.0015	0.0009	-0.0011
AT.	60 O	X	-0.0005	-0.0003	0.0004	0.0005	-0.0004	-0.0007
		Y	0.0004	-0.0003	-0.0005	-0.0004	0.0006	0.0012
		Z	-0.0009	-0.0014	0.0014	0.0015	-0.0009	-0.0011
AT.	61 O	X	-0.0013	0.0014	-0.0004	0.0006	-0.0008	0.0006
		Y	0.0013	-0.0012	-0.0009	-0.0014	-0.0003	-0.0014
		Z	-0.0009	0.0003	0.0001	0.0008	0.0004	0.0012
AT.	62 O	X	-0.0013	-0.0014	0.0004	0.0006	-0.0008	-0.0006
		Y	0.0013	0.0012	0.0009	-0.0014	-0.0003	0.0014
		Z	0.0009	0.0003	0.0001	-0.0008	-0.0004	0.0012
AT.	63 O	X	0.0013	0.0014	0.0004	0.0006	-0.0008	-0.0006
		Y	0.0013	0.0012	-0.0009	0.0014	0.0003	-0.0014
		Z	-0.0009	-0.0003	0.0001	-0.0008	-0.0004	0.0012
AT.	64 O	X	0.0013	-0.0014	-0.0004	0.0006	-0.0008	0.0006
		Y	0.0013	-0.0012	0.0009	0.0014	0.0003	0.0014
		Z	0.0009	-0.0003	0.0001	0.0008	0.0004	0.0012
AT.	65 O	X	0.0013	0.0014	-0.0004	0.0006	0.0008	-0.0006
		Y	-0.0013	-0.0012	-0.0009	-0.0014	0.0003	0.0014
		Z	0.0009	0.0003	0.0001	0.0008	-0.0004	-0.0012
AT.	66 O	X	0.0013	-0.0014	0.0004	0.0006	0.0008	0.0006
		Y	-0.0013	0.0012	0.0009	-0.0014	0.0003	-0.0014
		Z	-0.0009	0.0003	0.0001	-0.0008	0.0004	-0.0012
AT.	67 O	X	-0.0013	0.0014	0.0004	0.0006	0.0008	0.0006
		Y	-0.0013	0.0012	-0.0009	0.0014	-0.0003	0.0014
		Z	0.0009	-0.0003	0.0001	-0.0008	0.0004	-0.0012
AT.	68 O	X	-0.0013	-0.0014	-0.0004	0.0006	0.0008	-0.0006
		Y	-0.0013	-0.0012	0.0009	0.0014	-0.0003	-0.0014
		Z	-0.0009	-0.0003	0.0001	0.0008	-0.0004	-0.0012
AT.	69 O	X	0.0005	-0.0004	-0.0009	-0.0005	-0.0005	-0.0006
		Y	-0.0002	0.0009	0.0010	0.0009	0.0005	0.0003
		Z	0.0016	-0.0012	-0.0015	-0.0014	-0.0009	-0.0017
AT.	70 O	X	0.0005	0.0004	0.0009	-0.0005	-0.0005	0.0006
		Y	-0.0002	-0.0009	-0.0010	0.0009	0.0005	-0.0003
		Z	-0.0016	-0.0012	-0.0015	0.0014	0.0009	-0.0017
AT.	71 O	X	-0.0005	-0.0004	0.0009	-0.0005	-0.0005	0.0006
		Y	-0.0002	-0.0009	0.0010	-0.0009	-0.0005	0.0003
		Z	0.0016	0.0012	-0.0015	0.0014	0.0009	-0.0017
AT.	72 O	X	-0.0005	0.0004	-0.0009	-0.0005	-0.0005	-0.0006
		Y	-0.0002	0.0009	-0.0010	-0.0009	-0.0005	-0.0003
		Z	-0.0016	0.0012	-0.0015	-0.0014	-0.0009	-0.0017
AT.	73 O	X	-0.0005	-0.0004	-0.0009	-0.0005	0.0005	0.0006
		Y	0.0002	0.0009	0.0010	0.0009	-0.0005	-0.0003
		Z	-0.0016	-0.0012	-0.0015	-0.0014	0.0009	0.0017
AT.	74 O	X	-0.0005	0.0004	0.0009	-0.0005	0.0005	-0.0006
		Y	0.0002	-0.0009	-0.0010	0.0009	-0.0005	0.0003
		Z	0.0016	-0.0012	-0.0015	0.0014	-0.0009	0.0017

AT.	75	O	X	0.0005	-0.0004	0.0009	-0.0005	0.0005	-0.0006
			Y	0.0002	-0.0009	0.0010	-0.0009	0.0005	-0.0003
			Z	-0.0016	0.0012	-0.0015	0.0014	-0.0009	0.0017
AT.	76	O	X	0.0005	0.0004	-0.0009	-0.0005	0.0005	0.0006
			Y	0.0002	0.0009	-0.0010	-0.0009	0.0005	0.0003
			Z	0.0016	0.0012	-0.0015	-0.0014	0.0009	0.0017
AT.	77	O	X	0.0000	0.0001	0.0006	0.0002	0.0005	0.0001
			Y	0.0005	0.0000	-0.0003	-0.0003	-0.0003	-0.0007
			Z	-0.0006	0.0008	0.0007	0.0007	0.0003	0.0006
AT.	78	O	X	0.0000	-0.0001	-0.0006	0.0002	0.0005	-0.0001
			Y	0.0005	0.0000	0.0003	-0.0003	-0.0003	0.0007
			Z	0.0006	0.0008	0.0007	-0.0007	-0.0003	0.0006
AT.	79	O	X	0.0000	0.0001	-0.0006	0.0002	0.0005	-0.0001
			Y	0.0005	0.0000	-0.0003	0.0003	0.0003	-0.0007
			Z	-0.0006	-0.0008	0.0007	-0.0007	-0.0003	0.0006
AT.	80	O	X	0.0000	-0.0001	0.0006	0.0002	0.0005	0.0001
			Y	0.0005	0.0000	0.0003	0.0003	0.0003	0.0007
			Z	0.0006	-0.0008	0.0007	0.0007	0.0003	0.0006
AT.	81	O	X	0.0000	0.0001	0.0006	0.0002	-0.0005	-0.0001
			Y	-0.0005	0.0000	-0.0003	-0.0003	0.0003	0.0007
			Z	0.0006	0.0008	0.0007	0.0007	-0.0003	-0.0006
AT.	82	O	X	0.0000	-0.0001	-0.0006	0.0002	-0.0005	0.0001
			Y	-0.0005	0.0000	0.0003	-0.0003	0.0003	-0.0007
			Z	-0.0006	0.0008	0.0007	-0.0007	0.0003	-0.0006
AT.	83	O	X	0.0000	0.0001	-0.0006	0.0002	-0.0005	0.0001
			Y	-0.0005	0.0000	-0.0003	0.0003	-0.0003	0.0007
			Z	0.0006	-0.0008	0.0007	-0.0007	0.0003	-0.0006
AT.	84	O	X	0.0000	-0.0001	0.0006	0.0002	-0.0005	-0.0001
			Y	-0.0005	0.0000	0.0003	0.0003	-0.0003	-0.0007
			Z	-0.0006	-0.0008	0.0007	0.0007	-0.0003	-0.0006
AT.	85	O	X	0.0051	-0.0050	-0.0043	-0.0041	-0.0050	-0.0042
			Y	-0.0056	0.0054	0.0043	0.0046	0.0050	0.0048
			Z	-0.0028	0.0028	0.0023	0.0018	0.0030	0.0019
AT.	86	O	X	0.0051	0.0050	0.0043	-0.0041	-0.0050	0.0042
			Y	-0.0056	-0.0054	-0.0043	0.0046	0.0050	-0.0048
			Z	0.0028	0.0028	0.0023	-0.0018	-0.0030	0.0019
AT.	87	O	X	-0.0051	-0.0050	0.0043	-0.0041	-0.0050	0.0042
			Y	-0.0056	-0.0054	0.0043	-0.0046	-0.0050	0.0048
			Z	-0.0028	-0.0028	0.0023	-0.0018	-0.0030	0.0019
AT.	88	O	X	-0.0051	0.0050	-0.0043	-0.0041	-0.0050	-0.0042
			Y	-0.0056	0.0054	-0.0043	-0.0046	-0.0050	-0.0048
			Z	0.0028	-0.0028	0.0023	0.0018	0.0030	0.0019
AT.	89	O	X	-0.0051	-0.0050	-0.0043	-0.0041	0.0050	0.0042
			Y	0.0056	0.0054	0.0043	0.0046	-0.0050	-0.0048
			Z	0.0028	0.0028	0.0023	0.0018	-0.0030	-0.0019
AT.	90	O	X	-0.0051	0.0050	0.0043	-0.0041	0.0050	-0.0042
			Y	0.0056	-0.0054	-0.0043	0.0046	-0.0050	0.0048
			Z	-0.0028	0.0028	0.0023	-0.0018	0.0030	-0.0019
AT.	91	O	X	0.0051	-0.0050	0.0043	-0.0041	0.0050	-0.0042
			Y	0.0056	-0.0054	0.0043	-0.0046	0.0050	-0.0048
			Z	0.0028	-0.0028	0.0023	-0.0018	0.0030	-0.0019
AT.	92	O	X	0.0051	0.0050	-0.0043	-0.0041	0.0050	0.0042
			Y	0.0056	0.0054	-0.0043	-0.0046	0.0050	0.0048
			Z	-0.0028	-0.0028	0.0023	0.0018	-0.0030	-0.0019
AT.	93	O	X	0.0049	-0.0049	-0.0037	-0.0046	-0.0038	-0.0046
			Y	0.0026	-0.0025	-0.0032	-0.0045	-0.0034	-0.0046
			Z	0.0057	-0.0057	-0.0032	-0.0031	-0.0038	-0.0031
AT.	94	O	X	0.0049	0.0049	0.0037	-0.0046	-0.0038	0.0046
			Y	0.0026	0.0025	0.0032	-0.0045	-0.0034	0.0046
			Z	-0.0057	-0.0057	-0.0032	0.0031	0.0038	-0.0031
AT.	95	O	X	-0.0049	-0.0049	0.0037	-0.0046	-0.0038	0.0046

	Y	0.0026	0.0025	-0.0032	0.0045	0.0034	-0.0046
	Z	0.0057	0.0057	-0.0032	0.0031	0.0038	-0.0031
AT. 96 O	X	-0.0049	0.0049	-0.0037	-0.0046	-0.0038	-0.0046
	Y	0.0026	-0.0025	0.0032	0.0045	0.0034	0.0046
	Z	-0.0057	0.0057	-0.0032	-0.0031	-0.0038	-0.0031
AT. 97 O	X	-0.0049	-0.0049	-0.0037	-0.0046	0.0038	0.0046
	Y	-0.0026	-0.0025	-0.0032	-0.0045	0.0034	0.0046
	Z	-0.0057	-0.0057	-0.0032	-0.0031	0.0038	0.0031
AT. 98 O	X	-0.0049	0.0049	0.0037	-0.0046	0.0038	-0.0046
	Y	-0.0026	0.0025	0.0032	-0.0045	0.0034	-0.0046
	Z	0.0057	-0.0057	-0.0032	0.0031	-0.0038	0.0031
AT. 99 O	X	0.0049	-0.0049	0.0037	-0.0046	0.0038	-0.0046
	Y	-0.0026	0.0025	-0.0032	0.0045	-0.0034	0.0046
	Z	-0.0057	0.0057	-0.0032	0.0031	-0.0038	0.0031
AT. 100 O	X	0.0049	0.0049	-0.0037	-0.0046	0.0038	0.0046
	Y	-0.0026	-0.0025	0.0032	0.0045	-0.0034	-0.0046
	Z	0.0057	0.0057	-0.0032	-0.0031	0.0038	0.0031
AT. 101 O	X	0.0160	-0.0160	-0.0196	-0.0196	-0.0196	-0.0196
	Y	0.0025	-0.0025	0.0038	0.0035	0.0028	0.0034
	Z	0.0096	-0.0097	-0.0101	-0.0092	-0.0093	-0.0091
AT. 102 O	X	0.0160	0.0160	0.0196	-0.0196	-0.0196	0.0196
	Y	0.0025	0.0025	-0.0038	0.0035	0.0028	-0.0034
	Z	-0.0096	-0.0097	-0.0101	0.0092	0.0093	-0.0091
AT. 103 O	X	-0.0160	-0.0160	0.0196	-0.0196	-0.0196	0.0196
	Y	0.0025	0.0025	0.0038	-0.0035	-0.0028	0.0034
	Z	0.0096	0.0097	-0.0101	0.0092	0.0093	-0.0091
AT. 104 O	X	-0.0160	0.0160	-0.0196	-0.0196	-0.0196	-0.0196
	Y	0.0025	-0.0025	-0.0038	-0.0035	-0.0028	-0.0034
	Z	-0.0096	0.0097	-0.0101	-0.0092	-0.0093	-0.0091
AT. 105 O	X	-0.0160	-0.0160	-0.0196	-0.0196	0.0196	0.0196
	Y	-0.0025	-0.0025	0.0038	0.0035	-0.0028	-0.0034
	Z	-0.0096	-0.0097	-0.0101	-0.0092	0.0093	0.0091
AT. 106 O	X	-0.0160	0.0160	0.0196	-0.0196	0.0196	-0.0196
	Y	-0.0025	0.0025	-0.0038	0.0035	-0.0028	0.0034
	Z	0.0096	-0.0097	-0.0101	0.0092	-0.0093	0.0091
AT. 107 O	X	0.0160	-0.0160	0.0196	-0.0196	0.0196	-0.0196
	Y	-0.0025	0.0025	0.0038	-0.0035	0.0028	-0.0034
	Z	-0.0096	0.0097	-0.0101	0.0092	-0.0093	0.0091
AT. 108 O	X	0.0160	0.0160	-0.0196	-0.0196	0.0196	0.0196
	Y	-0.0025	-0.0025	-0.0038	-0.0035	0.0028	0.0034
	Z	0.0096	0.0097	-0.0101	-0.0092	0.0093	0.0091
AT. 109 O	X	-0.0066	0.0066	0.0095	0.0095	0.0100	0.0096
	Y	-0.0025	0.0025	0.0010	0.0013	0.0010	0.0013
	Z	0.0047	-0.0047	-0.0004	-0.0005	-0.0008	-0.0005
AT. 110 O	X	-0.0066	-0.0066	-0.0095	0.0095	0.0100	-0.0096
	Y	-0.0025	-0.0025	-0.0010	0.0013	0.0010	-0.0013
	Z	-0.0047	-0.0047	-0.0004	0.0005	0.0008	-0.0005
AT. 111 O	X	0.0066	0.0066	-0.0095	0.0095	0.0100	-0.0096
	Y	-0.0025	-0.0025	0.0010	-0.0013	-0.0010	0.0013
	Z	0.0047	0.0047	-0.0004	0.0005	0.0008	-0.0005
AT. 112 O	X	0.0066	-0.0066	0.0095	0.0095	0.0100	0.0096
	Y	-0.0025	0.0025	-0.0010	-0.0013	-0.0010	-0.0013
	Z	-0.0047	0.0047	-0.0004	-0.0005	-0.0008	-0.0005
AT. 113 O	X	0.0066	0.0066	0.0095	0.0095	-0.0100	-0.0096
	Y	0.0025	0.0025	0.0010	0.0013	-0.0010	-0.0013
	Z	-0.0047	-0.0047	-0.0004	-0.0005	0.0008	0.0005
AT. 114 O	X	0.0066	-0.0066	-0.0095	0.0095	-0.0100	0.0096
	Y	0.0025	-0.0025	-0.0010	0.0013	-0.0010	0.0013
	Z	0.0047	-0.0047	-0.0004	0.0005	-0.0008	0.0005
AT. 115 O	X	-0.0066	0.0066	-0.0095	0.0095	-0.0100	0.0096
	Y	0.0025	-0.0025	0.0010	-0.0013	0.0010	-0.0013

	Z	-0.0047	0.0047	-0.0004	0.0005	-0.0008	0.0005
AT. 116 O	X	-0.0066	-0.0066	0.0095	0.0095	-0.0100	-0.0096
	Y	0.0025	0.0025	-0.0010	-0.0013	0.0010	0.0013
	Z	0.0047	0.0047	-0.0004	-0.0005	0.0008	0.0005
AT. 117 O	X	-0.0141	0.0142	-0.0019	-0.0022	-0.0016	-0.0022
	Y	0.0039	-0.0039	0.0038	0.0034	0.0040	0.0033
	Z	-0.0112	0.0112	0.0038	0.0035	0.0036	0.0035
AT. 118 O	X	-0.0141	-0.0142	0.0019	-0.0022	-0.0016	0.0022
	Y	0.0039	0.0039	-0.0038	0.0034	0.0040	-0.0033
	Z	0.0112	0.0112	0.0038	-0.0035	-0.0036	0.0035
AT. 119 O	X	0.0141	0.0142	0.0019	-0.0022	-0.0016	0.0022
	Y	0.0039	0.0039	0.0038	-0.0034	-0.0040	0.0033
	Z	-0.0112	-0.0112	0.0038	-0.0035	-0.0036	0.0035
AT. 120 O	X	0.0141	-0.0142	-0.0019	-0.0022	-0.0016	-0.0022
	Y	0.0039	-0.0039	-0.0038	-0.0034	-0.0040	-0.0033
	Z	0.0112	-0.0112	0.0038	0.0035	0.0036	0.0035
AT. 121 O	X	0.0141	0.0142	-0.0019	-0.0022	0.0016	0.0022
	Y	-0.0039	-0.0039	0.0038	0.0034	-0.0040	-0.0033
	Z	0.0112	0.0112	0.0038	0.0035	-0.0036	-0.0035
AT. 122 O	X	0.0141	-0.0142	0.0019	-0.0022	0.0016	-0.0022
	Y	-0.0039	0.0039	-0.0038	0.0034	-0.0040	0.0033
	Z	-0.0112	0.0112	0.0038	-0.0035	0.0036	-0.0035
AT. 123 O	X	-0.0141	0.0142	0.0019	-0.0022	0.0016	-0.0022
	Y	-0.0039	0.0039	0.0038	-0.0034	0.0040	-0.0033
	Z	0.0112	-0.0112	0.0038	-0.0035	0.0036	-0.0035
AT. 124 O	X	-0.0141	-0.0142	-0.0019	-0.0022	0.0016	0.0022
	Y	-0.0039	-0.0039	-0.0038	-0.0034	0.0040	0.0033
	Z	-0.0112	-0.0112	0.0038	0.0035	-0.0036	-0.0035

FREQ(CM**-1)		814.29	814.42	816.00	816.76	818.12	818.44
AT. 1 SI	X	-0.0012	-0.0012	-0.0007	0.0007	0.0001	-0.0002
	Y	-0.0069	-0.0069	-0.0058	0.0065	0.0034	-0.0062
	Z	-0.0014	-0.0014	-0.0023	0.0005	0.0028	0.0003
AT. 2 SI	X	-0.0012	0.0012	0.0007	0.0007	0.0001	0.0002
	Y	-0.0069	0.0069	0.0058	0.0065	0.0034	0.0062
	Z	0.0014	-0.0014	-0.0023	-0.0005	-0.0028	0.0003
AT. 3 SI	X	-0.0012	-0.0012	0.0007	-0.0007	0.0001	0.0002
	Y	0.0069	0.0069	-0.0058	0.0065	-0.0034	-0.0062
	Z	0.0014	0.0014	-0.0023	0.0005	-0.0028	0.0003
AT. 4 SI	X	-0.0012	0.0012	-0.0007	-0.0007	0.0001	-0.0002
	Y	0.0069	-0.0069	0.0058	0.0065	-0.0034	0.0062
	Z	-0.0014	0.0014	-0.0023	-0.0005	0.0028	0.0003
AT. 5 SI	X	0.0012	0.0012	-0.0007	0.0007	0.0001	0.0002
	Y	0.0069	0.0069	-0.0058	0.0065	0.0034	0.0062
	Z	0.0014	0.0014	-0.0023	0.0005	0.0028	-0.0003
AT. 6 SI	X	0.0012	-0.0012	0.0007	0.0007	0.0001	-0.0002
	Y	0.0069	-0.0069	0.0058	0.0065	0.0034	-0.0062
	Z	-0.0014	0.0014	-0.0023	-0.0005	-0.0028	-0.0003
AT. 7 SI	X	0.0012	0.0012	0.0007	-0.0007	0.0001	-0.0002
	Y	-0.0069	-0.0069	-0.0058	0.0065	-0.0034	0.0062
	Z	-0.0014	-0.0014	-0.0023	0.0005	-0.0028	-0.0003
AT. 8 SI	X	0.0012	-0.0012	-0.0007	-0.0007	0.0001	0.0002
	Y	-0.0069	0.0069	0.0058	0.0065	-0.0034	-0.0062
	Z	0.0014	-0.0014	-0.0023	-0.0005	0.0028	-0.0003
AT. 9 SI	X	0.0000	0.0000	-0.0003	0.0000	-0.0008	0.0014
	Y	0.0003	0.0003	0.0008	-0.0002	0.0011	-0.0026
	Z	0.0000	0.0000	-0.0024	0.0002	-0.0053	0.0086
AT. 10 SI	X	0.0000	0.0000	0.0003	0.0000	-0.0008	-0.0014
	Y	0.0003	-0.0003	-0.0008	-0.0002	0.0011	0.0026
	Z	0.0000	0.0000	-0.0024	-0.0002	0.0053	0.0086

AT. 11	SI	X	0.0000	0.0000	0.0003	0.0000	-0.0008	-0.0014
		Y	-0.0003	-0.0003	0.0008	-0.0002	-0.0011	-0.0026
		Z	0.0000	0.0000	-0.0024	0.0002	0.0053	0.0086
AT. 12	SI	X	0.0000	0.0000	-0.0003	0.0000	-0.0008	0.0014
		Y	-0.0003	0.0003	-0.0008	-0.0002	-0.0011	0.0026
		Z	0.0000	0.0000	-0.0024	-0.0002	-0.0053	0.0086
AT. 13	SI	X	0.0000	0.0000	-0.0003	0.0000	-0.0008	-0.0014
		Y	-0.0003	-0.0003	0.0008	-0.0002	0.0011	0.0026
		Z	0.0000	0.0000	-0.0024	0.0002	-0.0053	-0.0086
AT. 14	SI	X	0.0000	0.0000	0.0003	0.0000	-0.0008	0.0014
		Y	-0.0003	0.0003	-0.0008	-0.0002	0.0011	-0.0026
		Z	0.0000	0.0000	-0.0024	-0.0002	0.0053	-0.0086
AT. 15	SI	X	0.0000	0.0000	0.0003	0.0000	-0.0008	0.0014
		Y	0.0003	0.0003	0.0008	-0.0002	-0.0011	0.0026
		Z	0.0000	0.0000	-0.0024	0.0002	0.0053	-0.0086
AT. 16	SI	X	0.0000	0.0000	-0.0003	0.0000	-0.0008	-0.0014
		Y	0.0003	-0.0003	-0.0008	-0.0002	-0.0011	-0.0026
		Z	0.0000	0.0000	-0.0024	-0.0002	-0.0053	-0.0086
AT. 17	SI	X	0.0001	0.0000	0.0011	0.0000	0.0009	-0.0024
		Y	0.0000	0.0001	0.0000	-0.0001	0.0000	0.0000
		Z	-0.0001	0.0000	-0.0011	0.0000	-0.0016	0.0034
AT. 18	SI	X	0.0001	0.0000	-0.0011	0.0000	0.0009	0.0024
		Y	0.0000	-0.0001	0.0000	-0.0001	0.0000	0.0000
		Z	0.0001	0.0000	-0.0011	0.0000	0.0016	0.0034
AT. 19	SI	X	-0.0001	0.0000	0.0011	0.0000	0.0009	0.0024
		Y	0.0000	-0.0001	0.0000	-0.0001	0.0000	0.0000
		Z	0.0001	0.0000	-0.0011	0.0000	-0.0016	-0.0034
AT. 20	SI	X	-0.0001	0.0000	-0.0011	0.0000	0.0009	-0.0024
		Y	0.0000	0.0001	0.0000	-0.0001	0.0000	0.0000
		Z	-0.0001	0.0000	-0.0011	0.0000	0.0016	-0.0034
AT. 21	CA	X	0.0002	0.0002	0.0005	-0.0005	-0.0002	-0.0002
		Y	0.0000	0.0000	0.0004	-0.0005	0.0010	-0.0008
		Z	0.0003	0.0003	-0.0006	0.0007	0.0004	0.0003
AT. 22	CA	X	0.0002	-0.0002	-0.0005	-0.0005	-0.0002	0.0002
		Y	0.0000	0.0000	-0.0004	-0.0005	0.0010	0.0008
		Z	-0.0003	0.0003	-0.0006	-0.0007	-0.0004	0.0003
AT. 23	CA	X	0.0002	0.0002	-0.0005	0.0005	-0.0002	0.0002
		Y	0.0000	0.0000	0.0004	-0.0005	-0.0010	-0.0008
		Z	-0.0003	-0.0003	-0.0006	0.0007	-0.0004	0.0003
AT. 24	CA	X	0.0002	-0.0002	0.0005	0.0005	-0.0002	-0.0002
		Y	0.0000	0.0000	-0.0004	-0.0005	-0.0010	0.0008
		Z	0.0003	-0.0003	-0.0006	-0.0007	0.0004	0.0003
AT. 25	CA	X	-0.0002	-0.0002	0.0005	-0.0005	-0.0002	0.0002
		Y	0.0000	0.0000	0.0004	-0.0005	0.0010	0.0008
		Z	-0.0003	-0.0003	-0.0006	0.0007	0.0004	-0.0003
AT. 26	CA	X	-0.0002	0.0002	-0.0005	-0.0005	-0.0002	-0.0002
		Y	0.0000	0.0000	-0.0004	-0.0005	0.0010	-0.0008
		Z	0.0003	-0.0003	-0.0006	-0.0007	-0.0004	-0.0003
AT. 27	CA	X	-0.0002	-0.0002	-0.0005	0.0005	-0.0002	-0.0002
		Y	0.0000	0.0000	0.0004	-0.0005	-0.0010	0.0008
		Z	0.0003	0.0003	-0.0006	0.0007	-0.0004	-0.0003
AT. 28	CA	X	-0.0002	0.0002	0.0005	0.0005	-0.0002	0.0002
		Y	0.0000	0.0000	-0.0004	-0.0005	-0.0010	-0.0008
		Z	-0.0003	0.0003	-0.0006	-0.0007	0.0004	-0.0003
AT. 29	CA	X	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000
		Y	0.0000	0.0000	-0.0008	0.0010	0.0008	0.0000
		Z	0.0000	0.0000	-0.0007	0.0008	0.0010	0.0000
AT. 30	CA	X	0.0000	0.0000	-0.0001	0.0000	0.0000	0.0000
		Y	0.0000	0.0000	0.0008	0.0010	0.0008	0.0000
		Z	0.0000	0.0000	-0.0007	-0.0008	-0.0010	0.0000
AT. 31	CA	X	0.0000	0.0000	-0.0001	0.0000	0.0000	0.0000

	Y	0.0000	0.0000	-0.0008	0.0010	-0.0008	0.0000
	Z	0.0000	0.0000	-0.0007	0.0008	-0.0010	0.0000
AT. 32 CA	X	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000
	Y	0.0000	0.0000	0.0008	0.0010	-0.0008	0.0000
	Z	0.0000	0.0000	-0.0007	-0.0008	0.0010	0.0000
AT. 33 CA	X	0.0000	0.0000	-0.0001	0.0000	0.0000	0.0002
	Y	-0.0005	-0.0005	-0.0005	0.0005	0.0004	-0.0002
	Z	0.0003	0.0003	0.0004	-0.0003	-0.0005	0.0002
AT. 34 CA	X	0.0000	0.0000	0.0001	0.0000	0.0000	-0.0002
	Y	-0.0005	0.0005	0.0005	0.0005	0.0004	0.0002
	Z	-0.0003	0.0003	0.0004	0.0003	0.0005	0.0002
AT. 35 CA	X	0.0000	0.0000	0.0001	0.0000	0.0000	-0.0002
	Y	0.0005	0.0005	-0.0005	0.0005	-0.0004	-0.0002
	Z	-0.0003	-0.0003	0.0004	-0.0003	0.0005	0.0002
AT. 36 CA	X	0.0000	0.0000	-0.0001	0.0000	0.0000	0.0002
	Y	0.0005	-0.0005	0.0005	0.0005	-0.0004	0.0002
	Z	0.0003	-0.0003	0.0004	0.0003	-0.0005	0.0002
AT. 37 CA	X	0.0000	0.0000	-0.0001	0.0000	0.0000	-0.0002
	Y	0.0005	0.0005	-0.0005	0.0005	0.0004	0.0002
	Z	-0.0003	-0.0003	0.0004	-0.0003	-0.0005	-0.0002
AT. 38 CA	X	0.0000	0.0000	0.0001	0.0000	0.0000	0.0002
	Y	0.0005	-0.0005	0.0005	0.0005	0.0004	-0.0002
	Z	0.0003	-0.0003	0.0004	0.0003	0.0005	-0.0002
AT. 39 CA	X	0.0000	0.0000	0.0001	0.0000	0.0000	0.0002
	Y	-0.0005	-0.0005	-0.0005	0.0005	-0.0004	0.0002
	Z	0.0003	0.0003	0.0004	-0.0003	0.0005	-0.0002
AT. 40 CA	X	0.0000	0.0000	-0.0001	0.0000	0.0000	-0.0002
	Y	-0.0005	0.0005	0.0005	0.0005	-0.0004	-0.0002
	Z	-0.0003	0.0003	0.0004	0.0003	-0.0005	-0.0002
AT. 41 CA	X	0.0002	0.0002	0.0002	-0.0002	-0.0003	0.0002
	Y	0.0003	0.0003	0.0003	-0.0003	-0.0003	0.0001
	Z	0.0006	0.0006	0.0006	-0.0006	-0.0006	0.0002
AT. 42 CA	X	0.0002	-0.0002	-0.0002	-0.0002	-0.0003	-0.0002
	Y	0.0003	-0.0003	-0.0003	-0.0003	-0.0003	-0.0001
	Z	-0.0006	0.0006	0.0006	0.0006	0.0006	0.0002
AT. 43 CA	X	0.0002	0.0002	-0.0002	0.0002	-0.0003	-0.0002
	Y	-0.0003	-0.0003	0.0003	-0.0003	0.0003	0.0001
	Z	-0.0006	-0.0006	0.0006	-0.0006	0.0006	0.0002
AT. 44 CA	X	0.0002	-0.0002	0.0002	0.0002	-0.0003	0.0002
	Y	-0.0003	0.0003	-0.0003	-0.0003	0.0003	-0.0001
	Z	0.0006	-0.0006	0.0006	0.0006	-0.0006	0.0002
AT. 45 CA	X	-0.0002	-0.0002	0.0002	-0.0002	-0.0003	-0.0002
	Y	-0.0003	-0.0003	0.0003	-0.0003	-0.0003	-0.0001
	Z	-0.0006	-0.0006	0.0006	-0.0006	-0.0006	-0.0002
AT. 46 CA	X	-0.0002	0.0002	-0.0002	-0.0002	-0.0003	0.0002
	Y	-0.0003	0.0003	-0.0003	-0.0003	-0.0003	0.0001
	Z	0.0006	-0.0006	0.0006	0.0006	0.0006	-0.0002
AT. 47 CA	X	-0.0002	-0.0002	-0.0002	0.0002	-0.0003	0.0002
	Y	0.0003	0.0003	0.0003	-0.0003	0.0003	-0.0001
	Z	0.0006	0.0006	0.0006	-0.0006	0.0006	-0.0002
AT. 48 CA	X	-0.0002	0.0002	0.0002	0.0002	-0.0003	-0.0002
	Y	0.0003	-0.0003	-0.0003	-0.0003	0.0003	0.0001
	Z	-0.0006	0.0006	0.0006	0.0006	-0.0006	-0.0002
AT. 49 CA	X	0.0000	0.0000	0.0000	0.0000	0.0001	-0.0001
	Y	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Z	0.0000	0.0000	-0.0001	0.0000	-0.0001	0.0001
AT. 50 CA	X	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001
	Y	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Z	0.0000	0.0000	-0.0001	0.0000	0.0001	0.0001
AT. 51 CA	X	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001
	Y	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

		Z	0.0000	0.0000	-0.0001	0.0000	-0.0001	-0.0001
AT.	52 CA	X	0.0000	0.0000	0.0000	0.0000	0.0001	-0.0001
		Y	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Z	0.0000	0.0000	-0.0001	0.0000	0.0001	-0.0001
AT.	53 O	X	0.0075	0.0075	0.0066	-0.0070	-0.0056	0.0049
		Y	0.0226	0.0226	0.0207	-0.0218	-0.0176	0.0151
		Z	-0.0006	-0.0006	-0.0004	0.0001	-0.0003	-0.0002
AT.	54 O	X	0.0075	-0.0075	-0.0066	-0.0070	-0.0056	-0.0049
		Y	0.0226	-0.0226	-0.0207	-0.0218	-0.0176	-0.0151
		Z	0.0006	-0.0006	-0.0004	-0.0001	0.0003	-0.0002
AT.	55 O	X	0.0075	0.0075	-0.0066	0.0070	-0.0056	-0.0049
		Y	-0.0226	-0.0226	0.0207	-0.0218	0.0176	0.0151
		Z	0.0006	0.0006	-0.0004	0.0001	0.0003	-0.0002
AT.	56 O	X	0.0075	-0.0075	0.0066	0.0070	-0.0056	0.0049
		Y	-0.0226	0.0226	-0.0207	-0.0218	0.0176	-0.0151
		Z	-0.0006	0.0006	-0.0004	-0.0001	-0.0003	-0.0002
AT.	57 O	X	-0.0075	-0.0075	0.0066	-0.0070	-0.0056	-0.0049
		Y	-0.0226	-0.0226	0.0207	-0.0218	-0.0176	-0.0151
		Z	0.0006	0.0006	-0.0004	0.0001	-0.0003	0.0002
AT.	58 O	X	-0.0075	0.0075	-0.0066	-0.0070	-0.0056	0.0049
		Y	-0.0226	0.0226	-0.0207	-0.0218	-0.0176	0.0151
		Z	-0.0006	0.0006	-0.0004	-0.0001	0.0003	0.0002
AT.	59 O	X	-0.0075	-0.0075	-0.0066	0.0070	-0.0056	0.0049
		Y	0.0226	0.0226	0.0207	-0.0218	0.0176	-0.0151
		Z	-0.0006	-0.0006	-0.0004	0.0001	0.0003	0.0002
AT.	60 O	X	-0.0075	0.0075	0.0066	0.0070	-0.0056	-0.0049
		Y	0.0226	-0.0226	-0.0207	-0.0218	0.0176	0.0151
		Z	0.0006	-0.0006	-0.0004	-0.0001	-0.0003	0.0002
AT.	61 O	X	0.0034	0.0034	0.0031	-0.0039	-0.0031	0.0013
		Y	-0.0051	-0.0051	-0.0047	0.0057	0.0050	-0.0026
		Z	-0.0087	-0.0087	-0.0084	0.0100	0.0087	-0.0043
AT.	62 O	X	0.0034	-0.0034	-0.0031	-0.0039	-0.0031	-0.0013
		Y	-0.0051	0.0051	0.0047	0.0057	0.0050	0.0026
		Z	0.0087	-0.0087	-0.0084	-0.0100	-0.0087	-0.0043
AT.	63 O	X	0.0034	0.0034	-0.0031	0.0039	-0.0031	-0.0013
		Y	0.0051	0.0051	-0.0047	0.0057	-0.0050	-0.0026
		Z	0.0087	0.0087	-0.0084	0.0100	-0.0087	-0.0043
AT.	64 O	X	0.0034	-0.0034	0.0031	0.0039	-0.0031	0.0013
		Y	0.0051	-0.0051	0.0047	0.0057	-0.0050	0.0026
		Z	-0.0087	0.0087	-0.0084	-0.0100	0.0087	-0.0043
AT.	65 O	X	-0.0034	-0.0034	0.0031	-0.0039	-0.0031	-0.0013
		Y	0.0051	0.0051	-0.0047	0.0057	0.0050	0.0026
		Z	0.0087	0.0087	-0.0084	0.0100	0.0087	0.0043
AT.	66 O	X	-0.0034	0.0034	-0.0031	-0.0039	-0.0031	0.0013
		Y	0.0051	-0.0051	0.0047	0.0057	0.0050	-0.0026
		Z	-0.0087	0.0087	-0.0084	-0.0100	-0.0087	0.0043
AT.	67 O	X	-0.0034	-0.0034	-0.0031	0.0039	-0.0031	0.0013
		Y	-0.0051	-0.0051	-0.0047	0.0057	-0.0050	0.0026
		Z	-0.0087	-0.0087	-0.0084	0.0100	-0.0087	0.0043
AT.	68 O	X	-0.0034	0.0034	0.0031	0.0039	-0.0031	-0.0013
		Y	-0.0051	0.0051	0.0047	0.0057	-0.0050	-0.0026
		Z	0.0087	-0.0087	-0.0084	-0.0100	0.0087	0.0043
AT.	69 O	X	0.0042	0.0042	0.0050	-0.0043	-0.0049	0.0014
		Y	-0.0057	-0.0057	-0.0063	0.0054	0.0061	-0.0018
		Z	0.0115	0.0115	0.0127	-0.0112	-0.0133	0.0042
AT.	70 O	X	0.0042	-0.0042	-0.0050	-0.0043	-0.0049	-0.0014
		Y	-0.0057	0.0057	0.0063	0.0054	0.0061	0.0018
		Z	-0.0115	0.0115	0.0127	0.0112	0.0133	0.0042
AT.	71 O	X	0.0042	0.0042	-0.0050	0.0043	-0.0049	-0.0014
		Y	0.0057	0.0057	-0.0063	0.0054	-0.0061	-0.0018
		Z	-0.0115	-0.0115	0.0127	-0.0112	0.0133	0.0042

AT.	72	O	X	0.0042	-0.0042	0.0050	0.0043	-0.0049	0.0014
			Y	0.0057	-0.0057	0.0063	0.0054	-0.0061	0.0018
			Z	0.0115	-0.0115	0.0127	0.0112	-0.0133	0.0042
AT.	73	O	X	-0.0042	-0.0042	0.0050	-0.0043	-0.0049	-0.0014
			Y	0.0057	0.0057	-0.0063	0.0054	0.0061	0.0018
			Z	-0.0115	-0.0115	0.0127	-0.0112	-0.0133	-0.0042
AT.	74	O	X	-0.0042	0.0042	-0.0050	-0.0043	-0.0049	0.0014
			Y	0.0057	-0.0057	0.0063	0.0054	0.0061	-0.0018
			Z	0.0115	-0.0115	0.0127	0.0112	0.0133	-0.0042
AT.	75	O	X	-0.0042	-0.0042	-0.0050	0.0043	-0.0049	0.0014
			Y	-0.0057	-0.0057	-0.0063	0.0054	-0.0061	0.0018
			Z	0.0115	0.0115	0.0127	-0.0112	0.0133	-0.0042
AT.	76	O	X	-0.0042	0.0042	0.0050	0.0043	-0.0049	-0.0014
			Y	-0.0057	0.0057	0.0063	0.0054	-0.0061	-0.0018
			Z	-0.0115	0.0115	0.0127	0.0112	-0.0133	-0.0042
AT.	77	O	X	-0.0140	-0.0141	-0.0145	0.0149	0.0141	-0.0078
			Y	0.0008	0.0009	0.0010	-0.0011	-0.0006	0.0004
			Z	0.0003	0.0003	-0.0002	0.0000	-0.0003	0.0002
AT.	78	O	X	-0.0140	0.0141	0.0145	0.0149	0.0141	0.0078
			Y	0.0008	-0.0009	-0.0010	-0.0011	-0.0006	-0.0004
			Z	-0.0003	0.0003	-0.0002	0.0000	0.0003	0.0002
AT.	79	O	X	-0.0140	-0.0141	0.0145	-0.0149	0.0141	0.0078
			Y	-0.0008	-0.0009	0.0010	-0.0011	0.0006	0.0004
			Z	-0.0003	-0.0003	-0.0002	0.0000	0.0003	0.0002
AT.	80	O	X	-0.0140	0.0141	-0.0145	-0.0149	0.0141	-0.0078
			Y	-0.0008	0.0009	-0.0010	-0.0011	0.0006	-0.0004
			Z	0.0003	-0.0003	-0.0002	0.0000	-0.0003	0.0002
AT.	81	O	X	0.0140	0.0141	-0.0145	0.0149	0.0141	0.0078
			Y	-0.0008	-0.0009	0.0010	-0.0011	-0.0006	-0.0004
			Z	-0.0003	-0.0003	-0.0002	0.0000	-0.0003	-0.0002
AT.	82	O	X	0.0140	-0.0141	0.0145	0.0149	0.0141	-0.0078
			Y	-0.0008	0.0009	-0.0010	-0.0011	-0.0006	0.0004
			Z	0.0003	-0.0003	-0.0002	0.0000	0.0003	-0.0002
AT.	83	O	X	0.0140	0.0141	0.0145	-0.0149	0.0141	-0.0078
			Y	0.0008	0.0009	0.0010	-0.0011	0.0006	-0.0004
			Z	0.0003	0.0003	-0.0002	0.0000	0.0003	-0.0002
AT.	84	O	X	0.0140	-0.0141	-0.0145	-0.0149	0.0141	0.0078
			Y	0.0008	-0.0009	-0.0010	-0.0011	0.0006	0.0004
			Z	-0.0003	0.0003	-0.0002	0.0000	-0.0003	-0.0002
AT.	85	O	X	0.0002	0.0002	-0.0017	-0.0001	-0.0035	0.0060
			Y	0.0000	0.0000	0.0021	-0.0001	0.0033	-0.0062
			Z	0.0002	0.0001	0.0034	-0.0004	0.0066	-0.0109
AT.	86	O	X	0.0002	-0.0002	0.0017	-0.0001	-0.0035	-0.0060
			Y	0.0000	0.0000	-0.0021	-0.0001	0.0033	0.0062
			Z	-0.0002	0.0001	0.0034	0.0004	-0.0066	-0.0109
AT.	87	O	X	0.0002	0.0002	0.0017	0.0001	-0.0035	-0.0060
			Y	0.0000	0.0000	0.0021	-0.0001	-0.0033	-0.0062
			Z	-0.0002	-0.0001	0.0034	-0.0004	-0.0066	-0.0109
AT.	88	O	X	0.0002	-0.0002	-0.0017	0.0001	-0.0035	0.0060
			Y	0.0000	0.0000	-0.0021	-0.0001	-0.0033	0.0062
			Z	0.0002	-0.0001	0.0034	0.0004	0.0066	-0.0109
AT.	89	O	X	-0.0002	-0.0002	-0.0017	-0.0001	-0.0035	-0.0060
			Y	0.0000	0.0000	0.0021	-0.0001	0.0033	0.0062
			Z	-0.0002	-0.0001	0.0034	-0.0004	0.0066	0.0109
AT.	90	O	X	-0.0002	0.0002	0.0017	-0.0001	-0.0035	0.0060
			Y	0.0000	0.0000	-0.0021	-0.0001	0.0033	-0.0062
			Z	0.0002	-0.0001	0.0034	0.0004	-0.0066	0.0109
AT.	91	O	X	-0.0002	-0.0002	0.0017	0.0001	-0.0035	0.0060
			Y	0.0000	0.0000	0.0021	-0.0001	-0.0033	0.0062
			Z	0.0002	0.0001	0.0034	-0.0004	-0.0066	0.0109
AT.	92	O	X	-0.0002	0.0002	-0.0017	0.0001	-0.0035	-0.0060

	Y	0.0000	0.0000	-0.0021	-0.0001	-0.0033	-0.0062
	Z	-0.0002	0.0001	0.0034	0.0004	0.0066	0.0109
AT. 93 O	X	-0.0004	-0.0004	-0.0014	0.0004	-0.0017	0.0036
	Y	-0.0007	-0.0006	-0.0028	0.0006	-0.0036	0.0074
	Z	-0.0003	-0.0003	-0.0007	0.0003	0.0000	0.0010
AT. 94 O	X	-0.0004	0.0004	0.0014	0.0004	-0.0017	-0.0036
	Y	-0.0007	0.0006	0.0028	0.0006	-0.0036	-0.0074
	Z	0.0003	-0.0003	-0.0007	-0.0003	0.0000	0.0010
AT. 95 O	X	-0.0004	-0.0004	0.0014	-0.0004	-0.0017	-0.0036
	Y	0.0007	0.0006	-0.0028	0.0006	0.0036	0.0074
	Z	0.0003	0.0003	-0.0007	0.0003	0.0000	0.0010
AT. 96 O	X	-0.0004	0.0004	-0.0014	-0.0004	-0.0017	0.0036
	Y	0.0007	-0.0006	0.0028	0.0006	0.0036	-0.0074
	Z	-0.0003	0.0003	-0.0007	-0.0003	0.0000	0.0010
AT. 97 O	X	0.0004	0.0004	-0.0014	0.0004	-0.0017	-0.0036
	Y	0.0007	0.0006	-0.0028	0.0006	-0.0036	-0.0074
	Z	0.0003	0.0003	-0.0007	0.0003	0.0000	-0.0010
AT. 98 O	X	0.0004	-0.0004	0.0014	0.0004	-0.0017	0.0036
	Y	0.0007	-0.0006	0.0028	0.0006	-0.0036	0.0074
	Z	-0.0003	0.0003	-0.0007	-0.0003	0.0000	-0.0010
AT. 99 O	X	0.0004	0.0004	0.0014	-0.0004	-0.0017	0.0036
	Y	-0.0007	-0.0006	-0.0028	0.0006	0.0036	-0.0074
	Z	-0.0003	-0.0003	-0.0007	0.0003	0.0000	-0.0010
AT. 100 O	X	0.0004	-0.0004	-0.0014	-0.0004	-0.0017	-0.0036
	Y	-0.0007	0.0006	0.0028	0.0006	0.0036	0.0074
	Z	0.0003	-0.0003	-0.0007	-0.0003	0.0000	-0.0010
AT. 101 O	X	0.0000	-0.0001	-0.0008	0.0001	-0.0007	0.0020
	Y	-0.0001	-0.0002	-0.0026	0.0002	-0.0045	0.0089
	Z	0.0002	0.0002	0.0029	-0.0003	0.0050	-0.0099
AT. 102 O	X	0.0000	0.0001	0.0008	0.0001	-0.0007	-0.0020
	Y	-0.0001	0.0002	0.0026	0.0002	-0.0045	-0.0089
	Z	-0.0002	0.0002	0.0029	0.0003	-0.0050	-0.0099
AT. 103 O	X	0.0000	-0.0001	0.0008	-0.0001	-0.0007	-0.0020
	Y	0.0001	0.0002	-0.0026	0.0002	0.0045	0.0089
	Z	-0.0002	-0.0002	0.0029	-0.0003	-0.0050	-0.0099
AT. 104 O	X	0.0000	0.0001	-0.0008	-0.0001	-0.0007	0.0020
	Y	0.0001	-0.0002	0.0026	0.0002	0.0045	-0.0089
	Z	0.0002	-0.0002	0.0029	0.0003	0.0050	-0.0099
AT. 105 O	X	0.0000	0.0001	-0.0008	0.0001	-0.0007	-0.0020
	Y	0.0001	0.0002	-0.0026	0.0002	-0.0045	-0.0089
	Z	-0.0002	-0.0002	0.0029	-0.0003	0.0050	0.0099
AT. 106 O	X	0.0000	-0.0001	0.0008	0.0001	-0.0007	0.0020
	Y	0.0001	-0.0002	0.0026	0.0002	-0.0045	0.0089
	Z	0.0002	-0.0002	0.0029	0.0003	-0.0050	0.0099
AT. 107 O	X	0.0000	0.0001	0.0008	-0.0001	-0.0007	0.0020
	Y	-0.0001	-0.0002	-0.0026	0.0002	0.0045	-0.0089
	Z	0.0002	0.0002	0.0029	-0.0003	-0.0050	0.0099
AT. 108 O	X	0.0000	-0.0001	-0.0008	-0.0001	-0.0007	-0.0020
	Y	-0.0001	0.0002	0.0026	0.0002	0.0045	0.0089
	Z	-0.0002	0.0002	0.0029	0.0003	0.0050	0.0099
AT. 109 O	X	0.0003	0.0002	0.0033	-0.0003	0.0058	-0.0106
	Y	0.0001	0.0001	0.0003	-0.0001	-0.0001	-0.0001
	Z	0.0002	0.0002	0.0001	-0.0002	0.0002	0.0000
AT. 110 O	X	0.0003	-0.0002	-0.0033	-0.0003	0.0058	0.0106
	Y	0.0001	-0.0001	-0.0003	-0.0001	-0.0001	0.0001
	Z	-0.0002	0.0002	0.0001	0.0002	-0.0002	0.0000
AT. 111 O	X	0.0003	0.0002	-0.0033	0.0003	0.0058	0.0106
	Y	-0.0001	-0.0001	0.0003	-0.0001	0.0001	-0.0001
	Z	-0.0002	-0.0002	0.0001	-0.0002	-0.0002	0.0000
AT. 112 O	X	0.0003	-0.0002	0.0033	0.0003	0.0058	-0.0106
	Y	-0.0001	0.0001	-0.0003	-0.0001	0.0001	0.0001

	Z	0.0002	-0.0002	0.0001	0.0002	0.0002	0.0000
AT. 113 O	X	-0.0003	-0.0002	0.0033	-0.0003	0.0058	0.0106
	Y	-0.0001	-0.0001	0.0003	-0.0001	-0.0001	0.0001
	Z	-0.0002	-0.0002	0.0001	-0.0002	0.0002	0.0000
AT. 114 O	X	-0.0003	0.0002	-0.0033	-0.0003	0.0058	-0.0106
	Y	-0.0001	0.0001	-0.0003	-0.0001	-0.0001	-0.0001
	Z	0.0002	-0.0002	0.0001	0.0002	-0.0002	0.0000
AT. 115 O	X	-0.0003	-0.0002	-0.0033	0.0003	0.0058	-0.0106
	Y	0.0001	0.0001	0.0003	-0.0001	0.0001	0.0001
	Z	0.0002	0.0002	0.0001	-0.0002	-0.0002	0.0000
AT. 116 O	X	-0.0003	0.0002	0.0033	0.0003	0.0058	0.0106
	Y	0.0001	-0.0001	-0.0003	-0.0001	0.0001	-0.0001
	Z	-0.0002	0.0002	0.0001	0.0002	0.0002	0.0000
AT. 117 O	X	-0.0001	0.0000	0.0001	0.0000	0.0008	-0.0014
	Y	0.0000	0.0001	-0.0002	-0.0001	-0.0002	0.0005
	Z	0.0000	0.0000	-0.0002	0.0000	-0.0005	0.0009
AT. 118 O	X	-0.0001	0.0000	-0.0001	0.0000	0.0008	0.0014
	Y	0.0000	-0.0001	0.0002	-0.0001	-0.0002	-0.0005
	Z	0.0000	0.0000	-0.0002	0.0000	0.0005	0.0009
AT. 119 O	X	-0.0001	0.0000	-0.0001	0.0000	0.0008	0.0014
	Y	0.0000	-0.0001	-0.0002	-0.0001	0.0002	0.0005
	Z	0.0000	0.0000	-0.0002	0.0000	0.0005	0.0009
AT. 120 O	X	-0.0001	0.0000	0.0001	0.0000	0.0008	-0.0014
	Y	0.0000	0.0001	0.0002	-0.0001	0.0002	-0.0005
	Z	0.0000	0.0000	-0.0002	0.0000	-0.0005	0.0009
AT. 121 O	X	0.0001	0.0000	0.0001	0.0000	0.0008	0.0014
	Y	0.0000	-0.0001	-0.0002	-0.0001	-0.0002	-0.0005
	Z	0.0000	0.0000	-0.0002	0.0000	-0.0005	-0.0009
AT. 122 O	X	0.0001	0.0000	-0.0001	0.0000	0.0008	-0.0014
	Y	0.0000	0.0001	0.0002	-0.0001	-0.0002	0.0005
	Z	0.0000	0.0000	-0.0002	0.0000	0.0005	-0.0009
AT. 123 O	X	0.0001	0.0000	-0.0001	0.0000	0.0008	-0.0014
	Y	0.0000	0.0001	-0.0002	-0.0001	0.0002	-0.0005
	Z	0.0000	0.0000	-0.0002	0.0000	0.0005	-0.0009
AT. 124 O	X	0.0001	0.0000	0.0001	0.0000	0.0008	0.0014
	Y	0.0000	-0.0001	0.0002	-0.0001	0.0002	0.0005
	Z	0.0000	0.0000	-0.0002	0.0000	-0.0005	-0.0009

FREQ(CM**-1)	818.67	821.53	823.43	826.22	826.75	844.43
AT. 1 SI X	-0.0002	-0.0001	0.0000	-0.0001	0.0003	-0.0015
Y	-0.0023	0.0023	-0.0049	-0.0042	-0.0004	-0.0104
Z	-0.0030	-0.0013	0.0004	0.0056	-0.0005	0.0074
AT. 2 SI X	0.0002	-0.0001	0.0000	0.0001	-0.0003	-0.0015
Y	0.0023	0.0023	-0.0049	0.0042	0.0004	-0.0104
Z	-0.0030	0.0013	-0.0004	0.0056	-0.0005	-0.0074
AT. 3 SI X	-0.0002	-0.0001	0.0000	0.0001	-0.0003	0.0015
Y	0.0023	-0.0023	-0.0049	-0.0042	-0.0004	-0.0104
Z	0.0030	0.0013	0.0004	0.0056	-0.0005	0.0074
AT. 4 SI X	0.0002	-0.0001	0.0000	-0.0001	0.0003	0.0015
Y	-0.0023	-0.0023	-0.0049	0.0042	0.0004	-0.0104
Z	0.0030	-0.0013	-0.0004	0.0056	-0.0005	-0.0074
AT. 5 SI X	-0.0002	-0.0001	0.0000	-0.0001	-0.0003	0.0015
Y	-0.0023	0.0023	0.0049	-0.0042	0.0004	0.0104
Z	-0.0030	-0.0013	-0.0004	0.0056	0.0005	-0.0074
AT. 6 SI X	0.0002	-0.0001	0.0000	0.0001	0.0003	0.0015
Y	0.0023	0.0023	0.0049	0.0042	-0.0004	0.0104
Z	-0.0030	0.0013	0.0004	0.0056	0.0005	0.0074
AT. 7 SI X	-0.0002	-0.0001	0.0000	0.0001	0.0003	-0.0015
Y	0.0023	-0.0023	0.0049	-0.0042	0.0004	0.0104
Z	0.0030	0.0013	-0.0004	0.0056	0.0005	-0.0074

AT. 8	SI	X	0.0002	-0.0001	0.0000	-0.0001	-0.0003	-0.0015
		Y	-0.0023	-0.0023	0.0049	0.0042	-0.0004	0.0104
		Z	0.0030	-0.0013	0.0004	0.0056	0.0005	0.0074
AT. 9	SI	X	0.0001	-0.0017	0.0002	0.0019	-0.0013	0.0017
		Y	0.0005	0.0037	0.0007	-0.0032	0.0030	-0.0001
		Z	0.0015	-0.0088	0.0025	0.0090	-0.0048	0.0053
AT. 10	SI	X	-0.0001	-0.0017	0.0002	-0.0019	0.0013	0.0017
		Y	-0.0005	0.0037	0.0007	0.0032	-0.0030	-0.0001
		Z	0.0015	0.0088	-0.0025	0.0090	-0.0048	-0.0053
AT. 11	SI	X	0.0001	-0.0017	-0.0002	-0.0019	0.0013	-0.0017
		Y	-0.0005	-0.0037	0.0007	-0.0032	0.0030	-0.0001
		Z	-0.0015	0.0088	0.0025	0.0090	-0.0048	0.0053
AT. 12	SI	X	-0.0001	-0.0017	-0.0002	0.0019	-0.0013	-0.0017
		Y	0.0005	-0.0037	0.0007	0.0032	-0.0030	-0.0001
		Z	-0.0015	-0.0088	-0.0025	0.0090	-0.0048	-0.0053
AT. 13	SI	X	0.0001	-0.0017	-0.0002	0.0019	0.0013	-0.0017
		Y	0.0005	0.0037	-0.0007	-0.0032	-0.0030	0.0001
		Z	0.0015	-0.0088	-0.0025	0.0090	0.0048	-0.0053
AT. 14	SI	X	-0.0001	-0.0017	-0.0002	-0.0019	-0.0013	-0.0017
		Y	-0.0005	0.0037	-0.0007	0.0032	0.0030	0.0001
		Z	0.0015	0.0088	0.0025	0.0090	0.0048	0.0053
AT. 15	SI	X	0.0001	-0.0017	0.0002	-0.0019	-0.0013	0.0017
		Y	-0.0005	-0.0037	-0.0007	-0.0032	-0.0030	0.0001
		Z	-0.0015	0.0088	-0.0025	0.0090	0.0048	-0.0053
AT. 16	SI	X	-0.0001	-0.0017	0.0002	0.0019	0.0013	0.0017
		Y	0.0005	-0.0037	-0.0007	0.0032	0.0030	0.0001
		Z	-0.0015	-0.0088	0.0025	0.0090	0.0048	0.0053
AT. 17	SI	X	0.0000	0.0030	0.0000	-0.0038	0.0019	0.0000
		Y	0.0001	0.0000	-0.0005	0.0000	0.0000	-0.0025
		Z	0.0000	-0.0041	0.0000	0.0029	-0.0027	0.0000
AT. 18	SI	X	0.0000	0.0030	0.0000	0.0038	-0.0019	0.0000
		Y	-0.0001	0.0000	-0.0005	0.0000	0.0000	-0.0025
		Z	0.0000	0.0041	0.0000	0.0029	-0.0027	0.0000
AT. 19	SI	X	0.0000	0.0030	0.0000	-0.0038	-0.0019	0.0000
		Y	0.0001	0.0000	0.0005	0.0000	0.0000	0.0025
		Z	0.0000	-0.0041	0.0000	0.0029	0.0027	0.0000
AT. 20	SI	X	0.0000	0.0030	0.0000	0.0038	0.0019	0.0000
		Y	-0.0001	0.0000	0.0005	0.0000	0.0000	0.0025
		Z	0.0000	0.0041	0.0000	0.0029	0.0027	0.0000
AT. 21	CA	X	0.0002	0.0002	-0.0002	0.0002	-0.0001	-0.0002
		Y	-0.0011	-0.0003	-0.0013	0.0003	-0.0011	0.0005
		Z	-0.0004	-0.0001	0.0007	-0.0002	0.0006	-0.0001
AT. 22	CA	X	-0.0002	0.0002	-0.0002	-0.0002	0.0001	-0.0002
		Y	0.0011	-0.0003	-0.0013	-0.0003	0.0011	0.0005
		Z	-0.0004	0.0001	-0.0007	-0.0002	0.0006	0.0001
AT. 23	CA	X	0.0002	0.0002	0.0002	-0.0002	0.0001	0.0002
		Y	0.0011	0.0003	-0.0013	0.0003	-0.0011	0.0005
		Z	0.0004	0.0001	0.0007	-0.0002	0.0006	-0.0001
AT. 24	CA	X	-0.0002	0.0002	0.0002	0.0002	-0.0001	0.0002
		Y	-0.0011	0.0003	-0.0013	-0.0003	0.0011	0.0005
		Z	0.0004	-0.0001	-0.0007	-0.0002	0.0006	0.0001
AT. 25	CA	X	0.0002	0.0002	0.0002	0.0002	0.0001	0.0002
		Y	-0.0011	-0.0003	0.0013	0.0003	0.0011	-0.0005
		Z	-0.0004	-0.0001	-0.0007	-0.0002	-0.0006	0.0001
AT. 26	CA	X	-0.0002	0.0002	0.0002	-0.0002	-0.0001	0.0002
		Y	0.0011	-0.0003	0.0013	-0.0003	-0.0011	-0.0005
		Z	-0.0004	0.0001	0.0007	-0.0002	-0.0006	-0.0001
AT. 27	CA	X	0.0002	0.0002	-0.0002	-0.0002	-0.0001	-0.0002
		Y	0.0011	0.0003	0.0013	0.0003	0.0011	-0.0005
		Z	0.0004	0.0001	-0.0007	-0.0002	-0.0006	0.0001
AT. 28	CA	X	-0.0002	0.0002	-0.0002	0.0002	0.0001	-0.0002

	Y	-0.0011	0.0003	0.0013	-0.0003	-0.0011	-0.0005
	Z	0.0004	-0.0001	0.0007	-0.0002	-0.0006	-0.0001
AT. 29 CA	X	-0.0001	-0.0001	0.0000	-0.0002	0.0000	0.0000
	Y	-0.0009	-0.0002	0.0000	-0.0006	0.0000	0.0000
	Z	-0.0012	-0.0005	0.0000	-0.0004	0.0000	0.0000
AT. 30 CA	X	0.0001	-0.0001	0.0000	0.0002	0.0000	0.0000
	Y	0.0009	-0.0002	0.0000	0.0006	0.0000	0.0000
	Z	-0.0012	0.0005	0.0000	-0.0004	0.0000	0.0000
AT. 31 CA	X	-0.0001	-0.0001	0.0000	0.0002	0.0000	0.0000
	Y	0.0009	0.0002	0.0000	-0.0006	0.0000	0.0000
	Z	0.0012	0.0005	0.0000	-0.0004	0.0000	0.0000
AT. 32 CA	X	0.0001	-0.0001	0.0000	-0.0002	0.0000	0.0000
	Y	-0.0009	0.0002	0.0000	0.0006	0.0000	0.0000
	Z	0.0012	-0.0005	0.0000	-0.0004	0.0000	0.0000
AT. 33 CA	X	-0.0002	-0.0003	-0.0001	0.0003	-0.0003	0.0003
	Y	-0.0006	-0.0004	-0.0006	0.0000	-0.0006	-0.0001
	Z	0.0006	0.0003	0.0005	0.0000	0.0005	-0.0003
AT. 34 CA	X	0.0002	-0.0003	-0.0001	-0.0003	0.0003	0.0003
	Y	0.0006	-0.0004	-0.0006	0.0000	0.0006	-0.0001
	Z	0.0006	-0.0003	-0.0005	0.0000	0.0005	0.0003
AT. 35 CA	X	-0.0002	-0.0003	0.0001	-0.0003	0.0003	-0.0003
	Y	0.0006	0.0004	-0.0006	0.0000	-0.0006	-0.0001
	Z	-0.0006	-0.0003	0.0005	0.0000	0.0005	-0.0003
AT. 36 CA	X	0.0002	-0.0003	0.0001	0.0003	-0.0003	-0.0003
	Y	-0.0006	0.0004	-0.0006	0.0000	0.0006	-0.0001
	Z	-0.0006	0.0003	-0.0005	0.0000	0.0005	0.0003
AT. 37 CA	X	-0.0002	-0.0003	0.0001	0.0003	0.0003	-0.0003
	Y	-0.0006	-0.0004	0.0006	0.0000	0.0006	0.0001
	Z	0.0006	0.0003	-0.0005	0.0000	-0.0005	0.0003
AT. 38 CA	X	0.0002	-0.0003	0.0001	-0.0003	-0.0003	-0.0003
	Y	0.0006	-0.0004	0.0006	0.0000	-0.0006	0.0001
	Z	0.0006	-0.0003	0.0005	0.0000	-0.0005	-0.0003
AT. 39 CA	X	-0.0002	-0.0003	-0.0001	-0.0003	-0.0003	0.0003
	Y	0.0006	0.0004	0.0006	0.0000	0.0006	0.0001
	Z	-0.0006	-0.0003	-0.0005	0.0000	-0.0005	0.0003
AT. 40 CA	X	0.0002	-0.0003	-0.0001	0.0003	0.0003	0.0003
	Y	-0.0006	0.0004	0.0006	0.0000	-0.0006	0.0001
	Z	-0.0006	0.0003	0.0005	0.0000	-0.0005	-0.0003
AT. 41 CA	X	0.0003	0.0001	0.0003	0.0001	0.0003	-0.0001
	Y	0.0002	0.0001	0.0001	0.0000	0.0001	-0.0007
	Z	0.0008	0.0006	0.0007	0.0005	0.0008	-0.0005
AT. 42 CA	X	-0.0003	0.0001	0.0003	-0.0001	-0.0003	-0.0001
	Y	-0.0002	0.0001	0.0001	0.0000	-0.0001	-0.0007
	Z	0.0008	-0.0006	-0.0007	0.0005	0.0008	0.0005
AT. 43 CA	X	0.0003	0.0001	-0.0003	-0.0001	-0.0003	0.0001
	Y	-0.0002	-0.0001	0.0001	0.0000	0.0001	-0.0007
	Z	-0.0008	-0.0006	0.0007	0.0005	0.0008	-0.0005
AT. 44 CA	X	-0.0003	0.0001	-0.0003	0.0001	0.0003	0.0001
	Y	0.0002	-0.0001	0.0001	0.0000	-0.0001	-0.0007
	Z	-0.0008	0.0006	-0.0007	0.0005	0.0008	0.0005
AT. 45 CA	X	0.0003	0.0001	-0.0003	0.0001	-0.0003	0.0001
	Y	0.0002	0.0001	-0.0001	0.0000	-0.0001	0.0007
	Z	0.0008	0.0006	-0.0007	0.0005	-0.0008	0.0005
AT. 46 CA	X	-0.0003	0.0001	-0.0003	-0.0001	0.0003	0.0001
	Y	-0.0002	0.0001	-0.0001	0.0000	0.0001	0.0007
	Z	0.0008	-0.0006	0.0007	0.0005	-0.0008	-0.0005
AT. 47 CA	X	0.0003	0.0001	0.0003	-0.0001	0.0003	-0.0001
	Y	-0.0002	-0.0001	-0.0001	0.0000	-0.0001	0.0007
	Z	-0.0008	-0.0006	-0.0007	0.0005	-0.0008	0.0005
AT. 48 CA	X	-0.0003	0.0001	0.0003	0.0001	-0.0003	-0.0001
	Y	0.0002	-0.0001	-0.0001	0.0000	0.0001	0.0007

		Z	-0.0008	0.0006	0.0007	0.0005	-0.0008	-0.0005
AT.	49 CA	X	0.0000	0.0001	0.0000	-0.0002	0.0001	0.0000
		Y	-0.0001	0.0000	-0.0002	0.0000	0.0000	-0.0008
		Z	0.0000	-0.0002	0.0000	0.0004	-0.0002	0.0000
AT.	50 CA	X	0.0000	0.0001	0.0000	0.0002	-0.0001	0.0000
		Y	0.0001	0.0000	-0.0002	0.0000	0.0000	-0.0008
		Z	0.0000	0.0002	0.0000	0.0004	-0.0002	0.0000
AT.	51 CA	X	0.0000	0.0001	0.0000	-0.0002	-0.0001	0.0000
		Y	-0.0001	0.0000	0.0002	0.0000	0.0000	0.0008
		Z	0.0000	-0.0002	0.0000	0.0004	0.0002	0.0000
AT.	52 CA	X	0.0000	0.0001	0.0000	0.0002	0.0001	0.0000
		Y	0.0001	0.0000	0.0002	0.0000	0.0000	0.0008
		Z	0.0000	0.0002	0.0000	0.0004	0.0002	0.0000
AT.	53 O	X	0.0057	0.0014	0.0065	0.0025	0.0042	0.0028
		Y	0.0179	0.0043	0.0202	0.0079	0.0131	0.0080
		Z	0.0001	-0.0003	-0.0008	0.0005	-0.0008	-0.0006
AT.	54 O	X	-0.0057	0.0014	0.0065	-0.0025	-0.0042	0.0028
		Y	-0.0179	0.0043	0.0202	-0.0079	-0.0131	0.0080
		Z	0.0001	0.0003	0.0008	0.0005	-0.0008	0.0006
AT.	55 O	X	0.0057	0.0014	-0.0065	-0.0025	-0.0042	-0.0028
		Y	-0.0179	-0.0043	0.0202	0.0079	0.0131	0.0080
		Z	-0.0001	0.0003	-0.0008	0.0005	-0.0008	-0.0006
AT.	56 O	X	-0.0057	0.0014	-0.0065	0.0025	0.0042	-0.0028
		Y	0.0179	-0.0043	0.0202	-0.0079	-0.0131	0.0080
		Z	-0.0001	-0.0003	0.0008	0.0005	-0.0008	0.0006
AT.	57 O	X	0.0057	0.0014	-0.0065	0.0025	-0.0042	-0.0028
		Y	0.0179	0.0043	-0.0202	0.0079	-0.0131	-0.0080
		Z	0.0001	-0.0003	0.0008	0.0005	0.0008	0.0006
AT.	58 O	X	-0.0057	0.0014	-0.0065	-0.0025	0.0042	-0.0028
		Y	-0.0179	0.0043	-0.0202	-0.0079	0.0131	-0.0080
		Z	0.0001	0.0003	-0.0008	0.0005	0.0008	-0.0006
AT.	59 O	X	0.0057	0.0014	0.0065	-0.0025	0.0042	0.0028
		Y	-0.0179	-0.0043	-0.0202	0.0079	-0.0131	-0.0080
		Z	-0.0001	0.0003	0.0008	0.0005	0.0008	0.0006
AT.	60 O	X	-0.0057	0.0014	0.0065	0.0025	-0.0042	0.0028
		Y	0.0179	-0.0043	-0.0202	-0.0079	0.0131	-0.0080
		Z	-0.0001	-0.0003	-0.0008	0.0005	0.0008	-0.0006
AT.	61 O	X	0.0040	0.0029	0.0041	0.0025	0.0043	-0.0010
		Y	-0.0059	-0.0033	-0.0058	-0.0033	-0.0056	0.0022
		Z	-0.0108	-0.0070	-0.0115	-0.0056	-0.0116	0.0027
AT.	62 O	X	-0.0040	0.0029	0.0041	-0.0025	-0.0043	-0.0010
		Y	0.0059	-0.0033	-0.0058	0.0033	0.0056	0.0022
		Z	-0.0108	0.0070	0.0115	-0.0056	-0.0116	-0.0027
AT.	63 O	X	0.0040	0.0029	-0.0041	-0.0025	-0.0043	0.0010
		Y	0.0059	0.0033	-0.0058	-0.0033	-0.0056	0.0022
		Z	0.0108	0.0070	-0.0115	-0.0056	-0.0116	0.0027
AT.	64 O	X	-0.0040	0.0029	-0.0041	0.0025	0.0043	0.0010
		Y	-0.0059	0.0033	-0.0058	0.0033	0.0056	0.0022
		Z	0.0108	-0.0070	0.0115	-0.0056	-0.0116	-0.0027
AT.	65 O	X	0.0040	0.0029	-0.0041	0.0025	-0.0043	0.0010
		Y	-0.0059	-0.0033	0.0058	-0.0033	0.0056	-0.0022
		Z	-0.0108	-0.0070	0.0115	-0.0056	0.0116	-0.0027
AT.	66 O	X	-0.0040	0.0029	-0.0041	-0.0025	0.0043	0.0010
		Y	0.0059	-0.0033	0.0058	0.0033	-0.0056	-0.0022
		Z	-0.0108	0.0070	-0.0115	-0.0056	0.0116	0.0027
AT.	67 O	X	0.0040	0.0029	0.0041	-0.0025	0.0043	-0.0010
		Y	0.0059	0.0033	0.0058	-0.0033	0.0056	-0.0022
		Z	0.0108	0.0070	0.0115	-0.0056	0.0116	-0.0027
AT.	68 O	X	-0.0040	0.0029	0.0041	0.0025	-0.0043	-0.0010
		Y	-0.0059	0.0033	0.0058	0.0033	-0.0056	-0.0022
		Z	0.0108	-0.0070	-0.0115	-0.0056	0.0116	0.0027

AT.	69	O	X	0.0057	0.0032	0.0040	-0.0018	0.0046	-0.0059
			Y	-0.0074	-0.0044	-0.0053	0.0025	-0.0062	0.0083
			Z	0.0156	0.0089	0.0117	-0.0038	0.0129	-0.0146
AT.	70	O	X	-0.0057	0.0032	0.0040	0.0018	-0.0046	-0.0059
			Y	0.0074	-0.0044	-0.0053	-0.0025	0.0062	0.0083
			Z	0.0156	-0.0089	-0.0117	-0.0038	0.0129	0.0146
AT.	71	O	X	0.0057	0.0032	-0.0040	0.0018	-0.0046	0.0059
			Y	0.0074	0.0044	-0.0053	0.0025	-0.0062	0.0083
			Z	-0.0156	-0.0089	0.0117	-0.0038	0.0129	-0.0146
AT.	72	O	X	-0.0057	0.0032	-0.0040	-0.0018	0.0046	0.0059
			Y	-0.0074	0.0044	-0.0053	-0.0025	0.0062	0.0083
			Z	-0.0156	0.0089	-0.0117	-0.0038	0.0129	0.0146
AT.	73	O	X	0.0057	0.0032	-0.0040	-0.0018	-0.0046	0.0059
			Y	-0.0074	-0.0044	0.0053	0.0025	0.0062	-0.0083
			Z	0.0156	0.0089	-0.0117	-0.0038	-0.0129	0.0146
AT.	74	O	X	-0.0057	0.0032	-0.0040	0.0018	0.0046	0.0059
			Y	0.0074	-0.0044	0.0053	-0.0025	-0.0062	-0.0083
			Z	0.0156	-0.0089	0.0117	-0.0038	-0.0129	-0.0146
AT.	75	O	X	0.0057	0.0032	0.0040	0.0018	0.0046	-0.0059
			Y	0.0074	0.0044	0.0053	0.0025	0.0062	-0.0083
			Z	-0.0156	-0.0089	-0.0117	-0.0038	-0.0129	0.0146
AT.	76	O	X	-0.0057	0.0032	0.0040	-0.0018	-0.0046	-0.0059
			Y	-0.0074	0.0044	0.0053	-0.0025	-0.0062	-0.0083
			Z	-0.0156	0.0089	0.0117	-0.0038	-0.0129	-0.0146
AT.	77	O	X	-0.0158	-0.0074	-0.0153	-0.0032	-0.0141	0.0067
			Y	0.0007	0.0005	0.0011	0.0005	0.0011	0.0005
			Z	0.0003	0.0001	-0.0001	0.0004	-0.0003	-0.0003
AT.	78	O	X	0.0158	-0.0074	-0.0153	0.0032	0.0141	0.0067
			Y	-0.0007	0.0005	0.0011	-0.0005	-0.0011	0.0005
			Z	0.0003	-0.0001	0.0001	0.0004	-0.0003	0.0003
AT.	79	O	X	-0.0158	-0.0074	0.0153	0.0032	0.0141	-0.0067
			Y	-0.0007	-0.0005	0.0011	0.0005	0.0011	0.0005
			Z	-0.0003	-0.0001	-0.0001	0.0004	-0.0003	-0.0003
AT.	80	O	X	0.0158	-0.0074	0.0153	-0.0032	-0.0141	-0.0067
			Y	0.0007	-0.0005	0.0011	-0.0005	-0.0011	0.0005
			Z	-0.0003	0.0001	0.0001	0.0004	-0.0003	0.0003
AT.	81	O	X	-0.0158	-0.0074	0.0153	-0.0032	0.0141	-0.0067
			Y	0.0007	0.0005	-0.0011	0.0005	-0.0011	-0.0005
			Z	0.0003	0.0001	0.0001	0.0004	0.0003	0.0003
AT.	82	O	X	0.0158	-0.0074	0.0153	0.0032	-0.0141	-0.0067
			Y	-0.0007	0.0005	-0.0011	-0.0005	0.0011	-0.0005
			Z	0.0003	-0.0001	-0.0001	0.0004	0.0003	-0.0003
AT.	83	O	X	-0.0158	-0.0074	-0.0153	0.0032	-0.0141	0.0067
			Y	-0.0007	-0.0005	-0.0011	0.0005	-0.0011	-0.0005
			Z	-0.0003	-0.0001	0.0001	0.0004	0.0003	0.0003
AT.	84	O	X	0.0158	-0.0074	-0.0153	-0.0032	0.0141	0.0067
			Y	0.0007	-0.0005	-0.0011	-0.0005	0.0011	-0.0005
			Z	-0.0003	0.0001	-0.0001	0.0004	0.0003	-0.0003
AT.	85	O	X	0.0009	-0.0062	0.0019	0.0066	-0.0033	0.0049
			Y	-0.0006	0.0066	-0.0018	-0.0073	0.0037	-0.0058
			Z	-0.0021	0.0111	-0.0036	-0.0120	0.0060	-0.0098
AT.	86	O	X	-0.0009	-0.0062	0.0019	-0.0066	0.0033	0.0049
			Y	0.0006	0.0066	-0.0018	0.0073	-0.0037	-0.0058
			Z	-0.0021	-0.0111	0.0036	-0.0120	0.0060	0.0098
AT.	87	O	X	0.0009	-0.0062	-0.0019	-0.0066	0.0033	-0.0049
			Y	0.0006	-0.0066	-0.0018	-0.0073	0.0037	-0.0058
			Z	0.0021	-0.0111	-0.0036	-0.0120	0.0060	-0.0098
AT.	88	O	X	-0.0009	-0.0062	-0.0019	0.0066	-0.0033	-0.0049
			Y	-0.0006	-0.0066	-0.0018	0.0073	-0.0037	-0.0058
			Z	0.0021	0.0111	0.0036	-0.0120	0.0060	0.0098
AT.	89	O	X	0.0009	-0.0062	-0.0019	0.0066	0.0033	-0.0049

		Y	-0.0006	0.0066	0.0018	-0.0073	-0.0037	0.0058
		Z	-0.0021	0.0111	0.0036	-0.0120	-0.0060	0.0098
AT.	90 O	X	-0.0009	-0.0062	-0.0019	-0.0066	-0.0033	-0.0049
		Y	0.0006	0.0066	0.0018	0.0073	0.0037	0.0058
		Z	-0.0021	-0.0111	-0.0036	-0.0120	-0.0060	-0.0098
AT.	91 O	X	0.0009	-0.0062	0.0019	-0.0066	-0.0033	0.0049
		Y	0.0006	-0.0066	0.0018	-0.0073	-0.0037	0.0058
		Z	0.0021	-0.0111	0.0036	-0.0120	-0.0060	0.0098
AT.	92 O	X	-0.0009	-0.0062	0.0019	0.0066	0.0033	0.0049
		Y	-0.0006	-0.0066	0.0018	0.0073	0.0037	0.0058
		Z	0.0021	0.0111	-0.0036	-0.0120	-0.0060	-0.0098
AT.	93 O	X	-0.0001	-0.0044	0.0002	0.0043	-0.0030	0.0022
		Y	0.0001	-0.0090	0.0008	0.0097	-0.0061	0.0060
		Z	-0.0006	-0.0016	-0.0004	0.0011	-0.0013	0.0009
AT.	94 O	X	0.0001	-0.0044	0.0002	-0.0043	0.0030	0.0022
		Y	-0.0001	-0.0090	0.0008	-0.0097	0.0061	0.0060
		Z	-0.0006	0.0016	0.0004	0.0011	-0.0013	-0.0009
AT.	95 O	X	-0.0001	-0.0044	-0.0002	-0.0043	0.0030	-0.0022
		Y	-0.0001	0.0090	0.0008	0.0097	-0.0061	0.0060
		Z	0.0006	0.0016	-0.0004	0.0011	-0.0013	0.0009
AT.	96 O	X	0.0001	-0.0044	-0.0002	0.0043	-0.0030	-0.0022
		Y	0.0001	0.0090	0.0008	-0.0097	0.0061	0.0060
		Z	0.0006	-0.0016	0.0004	0.0011	-0.0013	-0.0009
AT.	97 O	X	-0.0001	-0.0044	-0.0002	0.0043	0.0030	-0.0022
		Y	0.0001	-0.0090	-0.0008	0.0097	0.0061	-0.0060
		Z	-0.0006	-0.0016	0.0004	0.0011	0.0013	-0.0009
AT.	98 O	X	0.0001	-0.0044	-0.0002	-0.0043	-0.0030	-0.0022
		Y	-0.0001	-0.0090	-0.0008	-0.0097	-0.0061	-0.0060
		Z	-0.0006	0.0016	-0.0004	0.0011	0.0013	0.0009
AT.	99 O	X	-0.0001	-0.0044	0.0002	-0.0043	-0.0030	0.0022
		Y	-0.0001	0.0090	-0.0008	0.0097	0.0061	-0.0060
		Z	0.0006	0.0016	0.0004	0.0011	0.0013	-0.0009
AT.	100 O	X	0.0001	-0.0044	0.0002	0.0043	0.0030	0.0022
		Y	0.0001	0.0090	-0.0008	-0.0097	-0.0061	-0.0060
		Z	0.0006	-0.0016	-0.0004	0.0011	0.0013	0.0009
AT.	101 O	X	-0.0001	-0.0023	0.0003	0.0021	-0.0015	0.0011
		Y	-0.0002	-0.0103	0.0004	0.0088	-0.0066	0.0012
		Z	0.0000	0.0114	-0.0007	-0.0104	0.0073	-0.0020
AT.	102 O	X	0.0001	-0.0023	0.0003	-0.0021	0.0015	0.0011
		Y	0.0002	-0.0103	0.0004	-0.0088	0.0066	0.0012
		Z	0.0000	-0.0114	0.0007	-0.0104	0.0073	0.0020
AT.	103 O	X	-0.0001	-0.0023	-0.0003	-0.0021	0.0015	-0.0011
		Y	0.0002	0.0103	0.0004	0.0088	-0.0066	0.0012
		Z	0.0000	-0.0114	-0.0007	-0.0104	0.0073	-0.0020
AT.	104 O	X	0.0001	-0.0023	-0.0003	0.0021	-0.0015	-0.0011
		Y	-0.0002	0.0103	0.0004	-0.0088	0.0066	0.0012
		Z	0.0000	0.0114	0.0007	-0.0104	0.0073	0.0020
AT.	105 O	X	-0.0001	-0.0023	-0.0003	0.0021	0.0015	-0.0011
		Y	-0.0002	-0.0103	-0.0004	0.0088	0.0066	-0.0012
		Z	0.0000	0.0114	0.0007	-0.0104	-0.0073	0.0020
AT.	106 O	X	0.0001	-0.0023	-0.0003	-0.0021	-0.0015	-0.0011
		Y	0.0002	-0.0103	-0.0004	-0.0088	-0.0066	-0.0012
		Z	0.0000	-0.0114	-0.0007	-0.0104	-0.0073	-0.0020
AT.	107 O	X	-0.0001	-0.0023	0.0003	-0.0021	-0.0015	0.0011
		Y	0.0002	0.0103	-0.0004	0.0088	0.0066	-0.0012
		Z	0.0000	-0.0114	0.0007	-0.0104	-0.0073	0.0020
AT.	108 O	X	0.0001	-0.0023	0.0003	0.0021	0.0015	0.0011
		Y	-0.0002	0.0103	-0.0004	-0.0088	-0.0066	-0.0012
		Z	0.0000	0.0114	-0.0007	-0.0104	-0.0073	-0.0020
AT.	109 O	X	-0.0012	0.0117	-0.0025	-0.0128	0.0072	-0.0098
		Y	0.0003	0.0003	0.0002	-0.0005	0.0002	-0.0001

	Z	-0.0002	0.0000	-0.0002	-0.0002	0.0000	-0.0001
AT. 110 O	X	0.0012	0.0117	-0.0025	0.0128	-0.0072	-0.0098
	Y	-0.0003	0.0003	0.0002	0.0005	-0.0002	-0.0001
	Z	-0.0002	0.0000	0.0002	-0.0002	0.0000	0.0001
AT. 111 O	X	-0.0012	0.0117	0.0025	0.0128	-0.0072	0.0098
	Y	-0.0003	-0.0003	0.0002	-0.0005	0.0002	-0.0001
	Z	0.0002	0.0000	-0.0002	-0.0002	0.0000	-0.0001
AT. 112 O	X	0.0012	0.0117	0.0025	-0.0128	0.0072	0.0098
	Y	0.0003	-0.0003	0.0002	0.0005	-0.0002	-0.0001
	Z	0.0002	0.0000	0.0002	-0.0002	0.0000	0.0001
AT. 113 O	X	-0.0012	0.0117	0.0025	-0.0128	-0.0072	0.0098
	Y	0.0003	0.0003	-0.0002	-0.0005	-0.0002	0.0001
	Z	-0.0002	0.0000	0.0002	-0.0002	0.0000	0.0001
AT. 114 O	X	0.0012	0.0117	0.0025	0.0128	0.0072	0.0098
	Y	-0.0003	0.0003	-0.0002	0.0005	0.0002	0.0001
	Z	-0.0002	0.0000	-0.0002	-0.0002	0.0000	-0.0001
AT. 115 O	X	-0.0012	0.0117	-0.0025	0.0128	0.0072	-0.0098
	Y	-0.0003	-0.0003	-0.0002	-0.0005	-0.0002	0.0001
	Z	0.0002	0.0000	0.0002	-0.0002	0.0000	0.0001
AT. 116 O	X	0.0012	0.0117	-0.0025	-0.0128	-0.0072	-0.0098
	Y	0.0003	-0.0003	-0.0002	0.0005	0.0002	0.0001
	Z	0.0002	0.0000	-0.0002	-0.0002	0.0000	-0.0001
AT. 117 O	X	0.0005	0.0016	0.0009	0.0000	0.0011	0.0026
	Y	0.0001	-0.0006	0.0002	0.0014	-0.0004	0.0011
	Z	0.0005	-0.0011	0.0009	0.0010	-0.0006	0.0025
AT. 118 O	X	-0.0005	0.0016	0.0009	0.0000	-0.0011	0.0026
	Y	-0.0001	-0.0006	0.0002	-0.0014	0.0004	0.0011
	Z	0.0005	0.0011	-0.0009	0.0010	-0.0006	-0.0025
AT. 119 O	X	0.0005	0.0016	-0.0009	0.0000	-0.0011	-0.0026
	Y	-0.0001	0.0006	0.0002	0.0014	-0.0004	0.0011
	Z	-0.0005	0.0011	0.0009	0.0010	-0.0006	0.0025
AT. 120 O	X	-0.0005	0.0016	-0.0009	0.0000	0.0011	-0.0026
	Y	0.0001	0.0006	0.0002	-0.0014	0.0004	0.0011
	Z	-0.0005	-0.0011	-0.0009	0.0010	-0.0006	-0.0025
AT. 121 O	X	0.0005	0.0016	-0.0009	0.0000	-0.0011	-0.0026
	Y	0.0001	-0.0006	-0.0002	0.0014	0.0004	-0.0011
	Z	0.0005	-0.0011	-0.0009	0.0010	0.0006	-0.0025
AT. 122 O	X	-0.0005	0.0016	-0.0009	0.0000	0.0011	-0.0026
	Y	-0.0001	-0.0006	-0.0002	-0.0014	-0.0004	-0.0011
	Z	0.0005	0.0011	0.0009	0.0010	0.0006	0.0025
AT. 123 O	X	0.0005	0.0016	0.0009	0.0000	0.0011	0.0026
	Y	-0.0001	0.0006	-0.0002	0.0014	0.0004	-0.0011
	Z	-0.0005	0.0011	-0.0009	0.0010	0.0006	-0.0025
AT. 124 O	X	-0.0005	0.0016	0.0009	0.0000	-0.0011	0.0026
	Y	0.0001	0.0006	-0.0002	-0.0014	-0.0004	-0.0011
	Z	-0.0005	-0.0011	0.0009	0.0010	0.0006	0.0025

FREQ(CM**-1)	846.07	846.82	846.96	847.63	849.88	851.57

AT. 1 SI	X	-0.0007	-0.0016	0.0015	-0.0004	0.0015	-0.0012
	Y	-0.0104	-0.0146	0.0143	-0.0026	0.0123	-0.0054
	Z	-0.0015	0.0024	-0.0022	0.0018	-0.0105	0.0041
AT. 2 SI	X	-0.0007	-0.0016	-0.0015	0.0004	-0.0015	0.0012
	Y	-0.0104	-0.0146	-0.0143	0.0026	-0.0123	0.0054
	Z	0.0015	-0.0024	-0.0022	0.0018	-0.0105	0.0041
AT. 3 SI	X	0.0007	-0.0016	0.0015	-0.0004	-0.0015	-0.0012
	Y	-0.0104	0.0146	-0.0143	0.0026	0.0123	0.0054
	Z	-0.0015	-0.0024	0.0022	-0.0018	-0.0105	-0.0041
AT. 4 SI	X	0.0007	-0.0016	-0.0015	0.0004	0.0015	0.0012
	Y	-0.0104	0.0146	0.0143	-0.0026	-0.0123	-0.0054
	Z	0.0015	0.0024	0.0022	-0.0018	-0.0105	-0.0041

AT.	5	SI	X	-0.0007	0.0016	-0.0015	-0.0004	-0.0015	0.0012
			Y	-0.0104	0.0146	-0.0143	-0.0026	-0.0123	0.0054
			Z	-0.0015	-0.0024	0.0022	0.0018	0.0105	-0.0041
AT.	6	SI	X	-0.0007	0.0016	0.0015	0.0004	0.0015	-0.0012
			Y	-0.0104	0.0146	0.0143	0.0026	0.0123	-0.0054
			Z	0.0015	0.0024	0.0022	0.0018	0.0105	-0.0041
AT.	7	SI	X	0.0007	0.0016	-0.0015	-0.0004	0.0015	0.0012
			Y	-0.0104	-0.0146	0.0143	0.0026	-0.0123	-0.0054
			Z	-0.0015	0.0024	-0.0022	-0.0018	0.0105	0.0041
AT.	8	SI	X	0.0007	0.0016	0.0015	0.0004	-0.0015	-0.0012
			Y	-0.0104	-0.0146	-0.0143	-0.0026	0.0123	0.0054
			Z	0.0015	-0.0024	-0.0022	-0.0018	0.0105	0.0041
AT.	9	SI	X	0.0025	0.0012	-0.0013	0.0030	0.0011	-0.0033
			Y	-0.0024	-0.0016	0.0014	-0.0004	-0.0016	0.0034
			Z	0.0061	0.0026	-0.0029	0.0091	0.0033	-0.0069
AT.	10	SI	X	0.0025	0.0012	0.0013	-0.0030	-0.0011	0.0033
			Y	-0.0024	-0.0016	-0.0014	0.0004	0.0016	-0.0034
			Z	-0.0061	-0.0026	-0.0029	0.0091	0.0033	-0.0069
AT.	11	SI	X	-0.0025	0.0012	-0.0013	0.0030	-0.0011	-0.0033
			Y	-0.0024	0.0016	-0.0014	0.0004	-0.0016	-0.0034
			Z	0.0061	-0.0026	0.0029	-0.0091	0.0033	0.0069
AT.	12	SI	X	-0.0025	0.0012	0.0013	-0.0030	0.0011	0.0033
			Y	-0.0024	0.0016	0.0014	-0.0004	0.0016	0.0034
			Z	-0.0061	0.0026	0.0029	-0.0091	0.0033	0.0069
AT.	13	SI	X	0.0025	-0.0012	0.0013	0.0030	-0.0011	0.0033
			Y	-0.0024	0.0016	-0.0014	-0.0004	0.0016	-0.0034
			Z	0.0061	-0.0026	0.0029	0.0091	-0.0033	0.0069
AT.	14	SI	X	0.0025	-0.0012	-0.0013	-0.0030	0.0011	-0.0033
			Y	-0.0024	0.0016	0.0014	0.0004	-0.0016	0.0034
			Z	-0.0061	0.0026	0.0029	0.0091	-0.0033	0.0069
AT.	15	SI	X	-0.0025	-0.0012	0.0013	0.0030	0.0011	0.0033
			Y	-0.0024	-0.0016	0.0014	0.0004	0.0016	0.0034
			Z	0.0061	0.0026	-0.0029	-0.0091	-0.0033	-0.0069
AT.	16	SI	X	-0.0025	-0.0012	-0.0013	-0.0030	-0.0011	-0.0033
			Y	-0.0024	-0.0016	-0.0014	-0.0004	-0.0016	-0.0034
			Z	-0.0061	-0.0026	-0.0029	-0.0091	-0.0033	-0.0069
AT.	17	SI	X	0.0000	-0.0019	0.0000	0.0000	0.0005	0.0000
			Y	-0.0030	0.0000	0.0020	-0.0029	0.0000	0.0026
			Z	0.0000	-0.0001	0.0000	0.0000	0.0005	0.0000
AT.	18	SI	X	0.0000	-0.0019	0.0000	0.0000	-0.0005	0.0000
			Y	-0.0030	0.0000	-0.0020	0.0029	0.0000	-0.0026
			Z	0.0000	0.0001	0.0000	0.0000	0.0005	0.0000
AT.	19	SI	X	0.0000	0.0019	0.0000	0.0000	-0.0005	0.0000
			Y	-0.0030	0.0000	-0.0020	-0.0029	0.0000	-0.0026
			Z	0.0000	0.0001	0.0000	0.0000	-0.0005	0.0000
AT.	20	SI	X	0.0000	0.0019	0.0000	0.0000	0.0005	0.0000
			Y	-0.0030	0.0000	0.0020	0.0029	0.0000	0.0026
			Z	0.0000	-0.0001	0.0000	0.0000	-0.0005	0.0000
AT.	21	CA	X	0.0001	0.0001	-0.0001	0.0000	0.0002	-0.0001
			Y	0.0004	0.0006	-0.0006	0.0001	-0.0004	0.0001
			Z	0.0002	0.0001	-0.0002	0.0001	0.0002	0.0000
AT.	22	CA	X	0.0001	0.0001	0.0001	0.0000	-0.0002	0.0001
			Y	0.0004	0.0006	0.0006	-0.0001	0.0004	-0.0001
			Z	-0.0002	-0.0001	-0.0002	0.0001	0.0002	0.0000
AT.	23	CA	X	-0.0001	0.0001	-0.0001	0.0000	-0.0002	-0.0001
			Y	0.0004	-0.0006	0.0006	-0.0001	-0.0004	-0.0001
			Z	0.0002	-0.0001	0.0002	-0.0001	0.0002	0.0000
AT.	24	CA	X	-0.0001	0.0001	0.0001	0.0000	0.0002	0.0001
			Y	0.0004	-0.0006	-0.0006	0.0001	0.0004	0.0001
			Z	-0.0002	0.0001	0.0002	-0.0001	0.0002	0.0000
AT.	25	CA	X	0.0001	-0.0001	0.0001	0.0000	-0.0002	0.0001

	Y	0.0004	-0.0006	0.0006	0.0001	0.0004	-0.0001
	Z	0.0002	-0.0001	0.0002	0.0001	-0.0002	0.0000
AT. 26 CA	X	0.0001	-0.0001	-0.0001	0.0000	0.0002	-0.0001
	Y	0.0004	-0.0006	-0.0006	-0.0001	-0.0004	0.0001
	Z	-0.0002	0.0001	0.0002	0.0001	-0.0002	0.0000
AT. 27 CA	X	-0.0001	-0.0001	0.0001	0.0000	0.0002	0.0001
	Y	0.0004	0.0006	-0.0006	-0.0001	0.0004	0.0001
	Z	0.0002	0.0001	-0.0002	-0.0001	-0.0002	0.0000
AT. 28 CA	X	-0.0001	-0.0001	-0.0001	0.0000	-0.0002	-0.0001
	Y	0.0004	0.0006	0.0006	0.0001	-0.0004	-0.0001
	Z	-0.0002	-0.0001	-0.0002	-0.0001	-0.0002	0.0000
AT. 29 CA	X	0.0005	0.0000	0.0000	0.0001	0.0000	0.0000
	Y	-0.0002	0.0000	0.0000	-0.0002	0.0000	0.0000
	Z	0.0009	0.0000	0.0000	0.0001	0.0000	0.0000
AT. 30 CA	X	0.0005	0.0000	0.0000	-0.0001	0.0000	0.0000
	Y	-0.0002	0.0000	0.0000	0.0002	0.0000	0.0000
	Z	-0.0009	0.0000	0.0000	0.0001	0.0000	0.0000
AT. 31 CA	X	-0.0005	0.0000	0.0000	0.0001	0.0000	0.0000
	Y	-0.0002	0.0000	0.0000	0.0002	0.0000	0.0000
	Z	0.0009	0.0000	0.0000	-0.0001	0.0000	0.0000
AT. 32 CA	X	-0.0005	0.0000	0.0000	-0.0001	0.0000	0.0000
	Y	-0.0002	0.0000	0.0000	-0.0002	0.0000	0.0000
	Z	-0.0009	0.0000	0.0000	-0.0001	0.0000	0.0000
AT. 33 CA	X	0.0001	0.0003	-0.0003	0.0001	-0.0003	0.0002
	Y	-0.0004	-0.0002	0.0003	-0.0002	0.0001	0.0002
	Z	0.0002	-0.0003	0.0003	0.0003	0.0005	-0.0010
AT. 34 CA	X	0.0001	0.0003	0.0003	-0.0001	0.0003	-0.0002
	Y	-0.0004	-0.0002	-0.0003	0.0002	-0.0001	-0.0002
	Z	-0.0002	0.0003	0.0003	0.0003	0.0005	-0.0010
AT. 35 CA	X	-0.0001	0.0003	-0.0003	0.0001	0.0003	0.0002
	Y	-0.0004	0.0002	-0.0003	0.0002	0.0001	-0.0002
	Z	0.0002	0.0003	-0.0003	-0.0003	0.0005	0.0010
AT. 36 CA	X	-0.0001	0.0003	0.0003	-0.0001	-0.0003	-0.0002
	Y	-0.0004	0.0002	0.0003	-0.0002	-0.0001	0.0002
	Z	-0.0002	-0.0003	-0.0003	-0.0003	0.0005	0.0010
AT. 37 CA	X	0.0001	-0.0003	0.0003	0.0001	0.0003	-0.0002
	Y	-0.0004	0.0002	-0.0003	-0.0002	-0.0001	-0.0002
	Z	0.0002	0.0003	-0.0003	0.0003	-0.0005	0.0010
AT. 38 CA	X	0.0001	-0.0003	-0.0003	-0.0001	-0.0003	0.0002
	Y	-0.0004	0.0002	0.0003	0.0002	0.0001	0.0002
	Z	-0.0002	-0.0003	-0.0003	0.0003	-0.0005	0.0010
AT. 39 CA	X	-0.0001	-0.0003	0.0003	0.0001	-0.0003	-0.0002
	Y	-0.0004	-0.0002	0.0003	0.0002	-0.0001	0.0002
	Z	0.0002	-0.0003	0.0003	-0.0003	-0.0005	-0.0010
AT. 40 CA	X	-0.0001	-0.0003	-0.0003	-0.0001	0.0003	0.0002
	Y	-0.0004	-0.0002	-0.0003	-0.0002	0.0001	-0.0002
	Z	-0.0002	0.0003	0.0003	-0.0003	-0.0005	-0.0010
AT. 41 CA	X	0.0002	0.0000	0.0000	-0.0001	0.0000	-0.0004
	Y	0.0000	-0.0001	0.0001	-0.0007	0.0003	-0.0001
	Z	0.0004	0.0001	-0.0001	-0.0004	0.0000	-0.0007
AT. 42 CA	X	0.0002	0.0000	0.0000	0.0001	0.0000	0.0004
	Y	0.0000	-0.0001	-0.0001	0.0007	-0.0003	0.0001
	Z	-0.0004	-0.0001	-0.0001	-0.0004	0.0000	-0.0007
AT. 43 CA	X	-0.0002	0.0000	0.0000	-0.0001	0.0000	-0.0004
	Y	0.0000	0.0001	-0.0001	0.0007	0.0003	0.0001
	Z	0.0004	-0.0001	0.0001	0.0004	0.0000	0.0007
AT. 44 CA	X	-0.0002	0.0000	0.0000	0.0001	0.0000	0.0004
	Y	0.0000	0.0001	0.0001	-0.0007	-0.0003	-0.0001
	Z	-0.0004	0.0001	0.0001	0.0004	0.0000	0.0007
AT. 45 CA	X	0.0002	0.0000	0.0000	-0.0001	0.0000	0.0004
	Y	0.0000	0.0001	-0.0001	-0.0007	-0.0003	0.0001

		Z	0.0004	-0.0001	0.0001	-0.0004	0.0000	0.0007
AT.	46	CA X	0.0002	0.0000	0.0000	0.0001	0.0000	-0.0004
		Y	0.0000	0.0001	0.0001	0.0007	0.0003	-0.0001
		Z	-0.0004	0.0001	0.0001	-0.0004	0.0000	0.0007
AT.	47	CA X	-0.0002	0.0000	0.0000	-0.0001	0.0000	0.0004
		Y	0.0000	-0.0001	0.0001	0.0007	-0.0003	-0.0001
		Z	0.0004	0.0001	-0.0001	0.0004	0.0000	-0.0007
AT.	48	CA X	-0.0002	0.0000	0.0000	0.0001	0.0000	-0.0004
		Y	0.0000	-0.0001	-0.0001	-0.0007	0.0003	0.0001
		Z	-0.0004	-0.0001	-0.0001	0.0004	0.0000	-0.0007
AT.	49	CA X	0.0000	-0.0001	0.0000	0.0000	-0.0001	0.0000
		Y	-0.0002	0.0000	0.0001	-0.0011	0.0000	0.0003
		Z	0.0000	0.0003	0.0000	0.0000	0.0002	0.0000
AT.	50	CA X	0.0000	-0.0001	0.0000	0.0000	0.0001	0.0000
		Y	-0.0002	0.0000	-0.0001	0.0011	0.0000	-0.0003
		Z	0.0000	-0.0003	0.0000	0.0000	0.0002	0.0000
AT.	51	CA X	0.0000	0.0001	0.0000	0.0000	0.0001	0.0000
		Y	-0.0002	0.0000	-0.0001	-0.0011	0.0000	-0.0003
		Z	0.0000	-0.0003	0.0000	0.0000	-0.0002	0.0000
AT.	52	CA X	0.0000	0.0001	0.0000	0.0000	-0.0001	0.0000
		Y	-0.0002	0.0000	0.0001	0.0011	0.0000	0.0003
		Z	0.0000	0.0003	0.0000	0.0000	-0.0002	0.0000
AT.	53	O X	0.0025	0.0038	-0.0037	0.0005	-0.0041	0.0015
		Y	0.0084	0.0110	-0.0107	0.0019	-0.0122	0.0045
		Z	-0.0006	-0.0005	0.0005	0.0000	0.0012	-0.0005
AT.	54	O X	0.0025	0.0038	0.0037	-0.0005	0.0041	-0.0015
		Y	0.0084	0.0110	0.0107	-0.0019	0.0122	-0.0045
		Z	0.0006	0.0005	0.0005	0.0000	0.0012	-0.0005
AT.	55	O X	-0.0025	0.0038	-0.0037	0.0005	0.0041	0.0015
		Y	0.0084	-0.0110	0.0107	-0.0019	-0.0122	-0.0045
		Z	-0.0006	0.0005	-0.0005	0.0000	0.0012	0.0005
AT.	56	O X	-0.0025	0.0038	0.0037	-0.0005	-0.0041	-0.0015
		Y	0.0084	-0.0110	-0.0107	0.0019	0.0122	0.0045
		Z	0.0006	-0.0005	-0.0005	0.0000	0.0012	0.0005
AT.	57	O X	0.0025	-0.0038	0.0037	0.0005	0.0041	-0.0015
		Y	0.0084	-0.0110	0.0107	0.0019	0.0122	-0.0045
		Z	-0.0006	0.0005	-0.0005	0.0000	-0.0012	0.0005
AT.	58	O X	0.0025	-0.0038	-0.0037	-0.0005	-0.0041	0.0015
		Y	0.0084	-0.0110	-0.0107	-0.0019	-0.0122	0.0045
		Z	0.0006	-0.0005	-0.0005	0.0000	-0.0012	0.0005
AT.	59	O X	-0.0025	-0.0038	0.0037	0.0005	-0.0041	-0.0015
		Y	0.0084	0.0110	-0.0107	-0.0019	0.0122	0.0045
		Z	-0.0006	-0.0005	0.0005	0.0000	-0.0012	-0.0005
AT.	60	O X	-0.0025	-0.0038	-0.0037	-0.0005	0.0041	0.0015
		Y	0.0084	0.0110	0.0107	0.0019	-0.0122	-0.0045
		Z	0.0006	0.0005	0.0005	0.0000	-0.0012	-0.0005
AT.	61	O X	-0.0036	-0.0037	0.0037	-0.0006	-0.0006	-0.0003
		Y	0.0061	0.0063	-0.0063	0.0006	-0.0007	0.0006
		Z	0.0095	0.0093	-0.0092	0.0014	0.0018	0.0012
AT.	62	O X	-0.0036	-0.0037	-0.0037	0.0006	0.0006	0.0003
		Y	0.0061	0.0063	0.0063	-0.0006	0.0007	-0.0006
		Z	-0.0095	-0.0093	-0.0092	0.0014	0.0018	0.0012
AT.	63	O X	0.0036	-0.0037	0.0037	-0.0006	0.0006	-0.0003
		Y	0.0061	-0.0063	0.0063	-0.0006	-0.0007	-0.0006
		Z	0.0095	-0.0093	0.0092	-0.0014	0.0018	-0.0012
AT.	64	O X	0.0036	-0.0037	-0.0037	0.0006	-0.0006	0.0003
		Y	0.0061	-0.0063	-0.0063	0.0006	0.0007	0.0006
		Z	-0.0095	0.0093	0.0092	-0.0014	0.0018	-0.0012
AT.	65	O X	-0.0036	0.0037	-0.0037	-0.0006	0.0006	0.0003
		Y	0.0061	-0.0063	0.0063	0.0006	0.0007	-0.0006
		Z	0.0095	-0.0093	0.0092	0.0014	-0.0018	-0.0012

AT.	66	O	X	-0.0036	0.0037	0.0037	0.0006	-0.0006	-0.0003
			Y	0.0061	-0.0063	-0.0063	-0.0006	-0.0007	0.0006
			Z	-0.0095	0.0093	0.0092	0.0014	-0.0018	-0.0012
AT.	67	O	X	0.0036	0.0037	-0.0037	-0.0006	-0.0006	0.0003
			Y	0.0061	0.0063	-0.0063	-0.0006	0.0007	0.0006
			Z	0.0095	0.0093	-0.0092	-0.0014	-0.0018	0.0012
AT.	68	O	X	0.0036	0.0037	0.0037	0.0006	0.0006	-0.0003
			Y	0.0061	0.0063	0.0063	0.0006	-0.0007	-0.0006
			Z	-0.0095	-0.0093	-0.0092	-0.0014	-0.0018	0.0012
AT.	69	O	X	-0.0021	-0.0050	0.0048	-0.0013	0.0066	-0.0028
			Y	0.0031	0.0082	-0.0080	0.0021	-0.0094	0.0042
			Z	-0.0064	-0.0128	0.0124	-0.0038	0.0154	-0.0073
AT.	70	O	X	-0.0021	-0.0050	-0.0048	0.0013	-0.0066	0.0028
			Y	0.0031	0.0082	0.0080	-0.0021	0.0094	-0.0042
			Z	0.0064	0.0128	0.0124	-0.0038	0.0154	-0.0073
AT.	71	O	X	0.0021	-0.0050	0.0048	-0.0013	-0.0066	-0.0028
			Y	0.0031	-0.0082	0.0080	-0.0021	-0.0094	-0.0042
			Z	-0.0064	0.0128	-0.0124	0.0038	0.0154	0.0073
AT.	72	O	X	0.0021	-0.0050	-0.0048	0.0013	0.0066	0.0028
			Y	0.0031	-0.0082	-0.0080	0.0021	0.0094	0.0042
			Z	0.0064	-0.0128	-0.0124	0.0038	0.0154	0.0073
AT.	73	O	X	-0.0021	0.0050	-0.0048	-0.0013	-0.0066	0.0028
			Y	0.0031	-0.0082	0.0080	0.0021	0.0094	-0.0042
			Z	-0.0064	0.0128	-0.0124	-0.0038	-0.0154	0.0073
AT.	74	O	X	-0.0021	0.0050	0.0048	0.0013	0.0066	-0.0028
			Y	0.0031	-0.0082	-0.0080	-0.0021	-0.0094	0.0042
			Z	0.0064	-0.0128	-0.0124	-0.0038	-0.0154	0.0073
AT.	75	O	X	0.0021	0.0050	-0.0048	-0.0013	0.0066	0.0028
			Y	0.0031	0.0082	-0.0080	-0.0021	0.0094	0.0042
			Z	-0.0064	-0.0128	0.0124	0.0038	-0.0154	-0.0073
AT.	76	O	X	0.0021	0.0050	0.0048	0.0013	-0.0066	-0.0028
			Y	0.0031	0.0082	0.0080	0.0021	-0.0094	-0.0042
			Z	0.0064	0.0128	0.0124	0.0038	-0.0154	-0.0073
AT.	77	O	X	0.0042	0.0075	-0.0072	0.0020	-0.0043	0.0035
			Y	0.0009	0.0015	-0.0015	0.0000	-0.0013	0.0004
			Z	0.0001	0.0000	0.0000	-0.0003	0.0006	-0.0006
AT.	78	O	X	0.0042	0.0075	0.0072	-0.0020	0.0043	-0.0035
			Y	0.0009	0.0015	0.0015	0.0000	0.0013	-0.0004
			Z	-0.0001	0.0000	0.0000	-0.0003	0.0006	-0.0006
AT.	79	O	X	-0.0042	0.0075	-0.0072	0.0020	0.0043	0.0035
			Y	0.0009	-0.0015	0.0015	0.0000	-0.0013	-0.0004
			Z	0.0001	0.0000	0.0000	0.0003	0.0006	0.0006
AT.	80	O	X	-0.0042	0.0075	0.0072	-0.0020	-0.0043	-0.0035
			Y	0.0009	-0.0015	-0.0015	0.0000	0.0013	0.0004
			Z	-0.0001	0.0000	0.0000	0.0003	0.0006	0.0006
AT.	81	O	X	0.0042	-0.0075	0.0072	0.0020	0.0043	-0.0035
			Y	0.0009	-0.0015	0.0015	0.0000	0.0013	-0.0004
			Z	0.0001	0.0000	0.0000	-0.0003	-0.0006	0.0006
AT.	82	O	X	0.0042	-0.0075	-0.0072	-0.0020	-0.0043	0.0035
			Y	0.0009	-0.0015	-0.0015	0.0000	-0.0013	0.0004
			Z	-0.0001	0.0000	0.0000	-0.0003	-0.0006	0.0006
AT.	83	O	X	-0.0042	-0.0075	0.0072	0.0020	-0.0043	-0.0035
			Y	0.0009	0.0015	-0.0015	0.0000	0.0013	0.0004
			Z	0.0001	0.0000	0.0000	0.0003	-0.0006	-0.0006
AT.	84	O	X	-0.0042	-0.0075	-0.0072	-0.0020	0.0043	0.0035
			Y	0.0009	0.0015	0.0015	0.0000	-0.0013	-0.0004
			Z	-0.0001	0.0000	0.0000	0.0003	-0.0006	-0.0006
AT.	85	O	X	0.0052	0.0022	-0.0028	0.0078	0.0014	-0.0056
			Y	-0.0065	-0.0031	0.0037	-0.0089	-0.0009	0.0064
			Z	-0.0109	-0.0041	0.0053	-0.0171	-0.0039	0.0131
AT.	86	O	X	0.0052	0.0022	0.0028	-0.0078	-0.0014	0.0056

	Y	-0.0065	-0.0031	-0.0037	0.0089	0.0009	-0.0064
	Z	0.0109	0.0041	0.0053	-0.0171	-0.0039	0.0131
AT. 87 O	X	-0.0052	0.0022	-0.0028	0.0078	-0.0014	-0.0056
	Y	-0.0065	0.0031	-0.0037	0.0089	-0.0009	-0.0064
	Z	-0.0109	0.0041	-0.0053	0.0171	-0.0039	-0.0131
AT. 88 O	X	-0.0052	0.0022	0.0028	-0.0078	0.0014	0.0056
	Y	-0.0065	0.0031	0.0037	-0.0089	0.0009	0.0064
	Z	0.0109	-0.0041	-0.0053	0.0171	-0.0039	-0.0131
AT. 89 O	X	0.0052	-0.0022	0.0028	0.0078	-0.0014	0.0056
	Y	-0.0065	0.0031	-0.0037	-0.0089	0.0009	-0.0064
	Z	-0.0109	0.0041	-0.0053	-0.0171	0.0039	-0.0131
AT. 90 O	X	0.0052	-0.0022	-0.0028	-0.0078	0.0014	-0.0056
	Y	-0.0065	0.0031	0.0037	0.0089	-0.0009	0.0064
	Z	0.0109	-0.0041	-0.0053	-0.0171	0.0039	-0.0131
AT. 91 O	X	-0.0052	-0.0022	0.0028	0.0078	0.0014	0.0056
	Y	-0.0065	-0.0031	0.0037	0.0089	0.0009	0.0064
	Z	-0.0109	-0.0041	0.0053	0.0171	0.0039	0.0131
AT. 92 O	X	-0.0052	-0.0022	-0.0028	-0.0078	-0.0014	-0.0056
	Y	-0.0065	-0.0031	-0.0037	-0.0089	-0.0009	-0.0064
	Z	0.0109	0.0041	0.0053	0.0171	0.0039	0.0131
AT. 93 O	X	0.0042	0.0018	-0.0022	0.0038	0.0013	-0.0055
	Y	0.0107	0.0049	-0.0058	0.0106	0.0029	-0.0135
	Z	0.0003	0.0003	-0.0005	0.0005	-0.0005	0.0001
AT. 94 O	X	0.0042	0.0018	0.0022	-0.0038	-0.0013	0.0055
	Y	0.0107	0.0049	0.0058	-0.0106	-0.0029	0.0135
	Z	-0.0003	-0.0003	-0.0005	0.0005	-0.0005	0.0001
AT. 95 O	X	-0.0042	0.0018	-0.0022	0.0038	-0.0013	-0.0055
	Y	0.0107	-0.0049	0.0058	-0.0106	0.0029	0.0135
	Z	0.0003	-0.0003	0.0005	-0.0005	-0.0005	-0.0001
AT. 96 O	X	-0.0042	0.0018	0.0022	-0.0038	0.0013	0.0055
	Y	0.0107	-0.0049	-0.0058	0.0106	-0.0029	-0.0135
	Z	-0.0003	0.0003	0.0005	-0.0005	-0.0005	-0.0001
AT. 97 O	X	0.0042	-0.0018	0.0022	0.0038	-0.0013	0.0055
	Y	0.0107	-0.0049	0.0058	0.0106	-0.0029	0.0135
	Z	0.0003	-0.0003	0.0005	0.0005	0.0005	-0.0001
AT. 98 O	X	0.0042	-0.0018	-0.0022	-0.0038	0.0013	-0.0055
	Y	0.0107	-0.0049	-0.0058	-0.0106	0.0029	-0.0135
	Z	-0.0003	0.0003	0.0005	0.0005	0.0005	-0.0001
AT. 99 O	X	-0.0042	-0.0018	0.0022	0.0038	0.0013	0.0055
	Y	0.0107	0.0049	-0.0058	-0.0106	-0.0029	-0.0135
	Z	0.0003	0.0003	-0.0005	-0.0005	0.0005	0.0001
AT. 100 O	X	-0.0042	-0.0018	-0.0022	-0.0038	-0.0013	-0.0055
	Y	0.0107	0.0049	0.0058	0.0106	0.0029	0.0135
	Z	-0.0003	-0.0003	-0.0005	-0.0005	0.0005	0.0001
AT. 101 O	X	0.0010	0.0006	-0.0010	0.0005	-0.0003	-0.0002
	Y	0.0007	0.0021	-0.0011	-0.0002	0.0021	0.0008
	Z	-0.0024	-0.0030	0.0020	-0.0009	-0.0025	0.0007
AT. 102 O	X	0.0010	0.0006	0.0010	-0.0005	0.0003	0.0002
	Y	0.0007	0.0021	0.0011	0.0002	-0.0021	-0.0008
	Z	0.0024	0.0030	0.0020	-0.0009	-0.0025	0.0007
AT. 103 O	X	-0.0010	0.0006	-0.0010	0.0005	0.0003	-0.0002
	Y	0.0007	-0.0021	0.0011	0.0002	0.0021	-0.0008
	Z	-0.0024	0.0030	-0.0020	0.0009	-0.0025	-0.0007
AT. 104 O	X	-0.0010	0.0006	0.0010	-0.0005	-0.0003	0.0002
	Y	0.0007	-0.0021	-0.0011	-0.0002	-0.0021	0.0008
	Z	0.0024	-0.0030	-0.0020	0.0009	-0.0025	-0.0007
AT. 105 O	X	0.0010	-0.0006	0.0010	0.0005	0.0003	0.0002
	Y	0.0007	-0.0021	0.0011	-0.0002	-0.0021	-0.0008
	Z	-0.0024	0.0030	-0.0020	-0.0009	0.0025	-0.0007
AT. 106 O	X	0.0010	-0.0006	-0.0010	-0.0005	-0.0003	-0.0002
	Y	0.0007	-0.0021	-0.0011	0.0002	0.0021	0.0008

	Z	0.0024	-0.0030	-0.0020	-0.0009	0.0025	-0.0007
AT. 107 O	X	-0.0010	-0.0006	0.0010	0.0005	-0.0003	0.0002
	Y	0.0007	0.0021	-0.0011	0.0002	-0.0021	0.0008
	Z	-0.0024	-0.0030	0.0020	0.0009	0.0025	0.0007
AT. 108 O	X	-0.0010	-0.0006	-0.0010	-0.0005	0.0003	-0.0002
	Y	0.0007	0.0021	0.0011	-0.0002	0.0021	-0.0008
	Z	0.0024	0.0030	0.0020	0.0009	0.0025	0.0007
AT. 109 O	X	-0.0133	-0.0059	0.0072	-0.0167	-0.0037	0.0163
	Y	-0.0006	-0.0004	0.0004	0.0002	0.0004	0.0004
	Z	-0.0009	-0.0001	0.0002	-0.0009	-0.0008	0.0015
AT. 110 O	X	-0.0133	-0.0059	-0.0072	0.0167	0.0037	-0.0163
	Y	-0.0006	-0.0004	-0.0004	-0.0002	-0.0004	-0.0004
	Z	0.0009	0.0001	0.0002	-0.0009	-0.0008	0.0015
AT. 111 O	X	0.0133	-0.0059	0.0072	-0.0167	0.0037	0.0163
	Y	-0.0006	0.0004	-0.0004	-0.0002	0.0004	-0.0004
	Z	-0.0009	0.0001	-0.0002	0.0009	-0.0008	-0.0015
AT. 112 O	X	0.0133	-0.0059	-0.0072	0.0167	-0.0037	-0.0163
	Y	-0.0006	0.0004	0.0004	0.0002	-0.0004	0.0004
	Z	0.0009	-0.0001	-0.0002	0.0009	-0.0008	-0.0015
AT. 113 O	X	-0.0133	0.0059	-0.0072	-0.0167	0.0037	-0.0163
	Y	-0.0006	0.0004	-0.0004	0.0002	-0.0004	-0.0004
	Z	-0.0009	0.0001	-0.0002	-0.0009	0.0008	-0.0015
AT. 114 O	X	-0.0133	0.0059	0.0072	0.0167	-0.0037	0.0163
	Y	-0.0006	0.0004	0.0004	-0.0002	0.0004	0.0004
	Z	0.0009	-0.0001	-0.0002	-0.0009	0.0008	-0.0015
AT. 115 O	X	0.0133	0.0059	-0.0072	-0.0167	-0.0037	-0.0163
	Y	-0.0006	-0.0004	0.0004	-0.0002	-0.0004	0.0004
	Z	-0.0009	-0.0001	0.0002	0.0009	0.0008	0.0015
AT. 116 O	X	0.0133	0.0059	0.0072	0.0167	0.0037	0.0163
	Y	-0.0006	-0.0004	-0.0004	0.0002	0.0004	-0.0004
	Z	0.0009	0.0001	0.0002	0.0009	0.0008	0.0015
AT. 117 O	X	0.0037	0.0008	-0.0017	0.0048	-0.0008	-0.0049
	Y	0.0022	0.0014	-0.0010	0.0024	0.0000	-0.0030
	Z	0.0031	0.0006	-0.0012	0.0049	0.0002	-0.0044
AT. 118 O	X	0.0037	0.0008	0.0017	-0.0048	0.0008	0.0049
	Y	0.0022	0.0014	0.0010	-0.0024	0.0000	0.0030
	Z	-0.0031	-0.0006	-0.0012	0.0049	0.0002	-0.0044
AT. 119 O	X	-0.0037	0.0008	-0.0017	0.0048	0.0008	-0.0049
	Y	0.0022	-0.0014	0.0010	-0.0024	0.0000	0.0030
	Z	0.0031	-0.0006	0.0012	-0.0049	0.0002	0.0044
AT. 120 O	X	-0.0037	0.0008	0.0017	-0.0048	-0.0008	0.0049
	Y	0.0022	-0.0014	-0.0010	0.0024	0.0000	-0.0030
	Z	-0.0031	0.0006	0.0012	-0.0049	0.0002	0.0044
AT. 121 O	X	0.0037	-0.0008	0.0017	0.0048	0.0008	0.0049
	Y	0.0022	-0.0014	0.0010	0.0024	0.0000	0.0030
	Z	0.0031	-0.0006	0.0012	0.0049	-0.0002	0.0044
AT. 122 O	X	0.0037	-0.0008	-0.0017	-0.0048	-0.0008	-0.0049
	Y	0.0022	-0.0014	-0.0010	-0.0024	0.0000	-0.0030
	Z	-0.0031	0.0006	0.0012	0.0049	-0.0002	0.0044
AT. 123 O	X	-0.0037	-0.0008	0.0017	0.0048	-0.0008	0.0049
	Y	0.0022	0.0014	-0.0010	-0.0024	0.0000	-0.0030
	Z	0.0031	0.0006	-0.0012	-0.0049	-0.0002	-0.0044
AT. 124 O	X	-0.0037	-0.0008	-0.0017	-0.0048	0.0008	-0.0049
	Y	0.0022	0.0014	0.0010	0.0024	0.0000	0.0030
	Z	-0.0031	-0.0006	-0.0012	-0.0049	-0.0002	-0.0044

FREQ(CM**-1)	852.14	852.88	855.27	856.30	868.10	868.12

AT. 1 SI	X	0.0020	-0.0006	-0.0012	-0.0022	-0.0009	0.0009
	Y	0.0148	-0.0076	-0.0044	-0.0112	-0.0096	0.0092
	Z	0.0029	0.0068	0.0043	0.0003	-0.0116	0.0120

AT.	2 SI	X	-0.0020	-0.0006	-0.0012	-0.0022	0.0009	0.0009
		Y	-0.0148	-0.0076	-0.0044	-0.0112	0.0096	0.0092
		Z	0.0029	-0.0068	-0.0043	-0.0003	-0.0116	-0.0120
AT.	3 SI	X	-0.0020	0.0006	-0.0012	0.0022	-0.0009	0.0009
		Y	0.0148	-0.0076	0.0044	-0.0112	0.0096	-0.0092
		Z	0.0029	0.0068	-0.0043	0.0003	0.0116	-0.0120
AT.	4 SI	X	0.0020	0.0006	-0.0012	0.0022	0.0009	0.0009
		Y	-0.0148	-0.0076	0.0044	-0.0112	-0.0096	-0.0092
		Z	0.0029	-0.0068	0.0043	-0.0003	0.0116	0.0120
AT.	5 SI	X	0.0020	0.0006	0.0012	-0.0022	-0.0009	0.0009
		Y	0.0148	0.0076	0.0044	-0.0112	-0.0096	0.0092
		Z	0.0029	-0.0068	-0.0043	0.0003	-0.0116	0.0120
AT.	6 SI	X	-0.0020	0.0006	0.0012	-0.0022	0.0009	0.0009
		Y	-0.0148	0.0076	0.0044	-0.0112	0.0096	0.0092
		Z	0.0029	0.0068	0.0043	-0.0003	-0.0116	-0.0120
AT.	7 SI	X	-0.0020	-0.0006	0.0012	0.0022	-0.0009	0.0009
		Y	0.0148	0.0076	-0.0044	-0.0112	0.0096	-0.0092
		Z	0.0029	-0.0068	0.0043	0.0003	0.0116	-0.0120
AT.	8 SI	X	0.0020	-0.0006	0.0012	0.0022	0.0009	0.0009
		Y	-0.0148	0.0076	-0.0044	-0.0112	-0.0096	-0.0092
		Z	0.0029	0.0068	-0.0043	-0.0003	0.0116	0.0120
AT.	9 SI	X	0.0005	-0.0028	-0.0037	-0.0029	-0.0004	0.0008
		Y	-0.0015	0.0007	0.0056	0.0034	0.0040	-0.0045
		Z	0.0006	-0.0069	-0.0083	-0.0042	0.0023	-0.0009
AT.	10 SI	X	-0.0005	-0.0028	-0.0037	-0.0029	0.0004	0.0008
		Y	0.0015	0.0007	0.0056	0.0034	-0.0040	-0.0045
		Z	0.0006	0.0069	0.0083	0.0042	0.0023	0.0009
AT.	11 SI	X	-0.0005	0.0028	-0.0037	0.0029	-0.0004	0.0008
		Y	-0.0015	0.0007	-0.0056	0.0034	-0.0040	0.0045
		Z	0.0006	-0.0069	0.0083	-0.0042	-0.0023	0.0009
AT.	12 SI	X	0.0005	0.0028	-0.0037	0.0029	0.0004	0.0008
		Y	0.0015	0.0007	-0.0056	0.0034	0.0040	0.0045
		Z	0.0006	0.0069	-0.0083	0.0042	-0.0023	-0.0009
AT.	13 SI	X	0.0005	0.0028	0.0037	-0.0029	-0.0004	0.0008
		Y	-0.0015	-0.0007	-0.0056	0.0034	0.0040	-0.0045
		Z	0.0006	0.0069	0.0083	-0.0042	0.0023	-0.0009
AT.	14 SI	X	-0.0005	0.0028	0.0037	-0.0029	0.0004	0.0008
		Y	0.0015	-0.0007	-0.0056	0.0034	-0.0040	-0.0045
		Z	0.0006	-0.0069	-0.0083	0.0042	0.0023	0.0009
AT.	15 SI	X	-0.0005	-0.0028	0.0037	0.0029	-0.0004	0.0008
		Y	-0.0015	-0.0007	0.0056	0.0034	-0.0040	0.0045
		Z	0.0006	0.0069	-0.0083	-0.0042	-0.0023	0.0009
AT.	16 SI	X	0.0005	-0.0028	0.0037	0.0029	0.0004	0.0008
		Y	0.0015	-0.0007	0.0056	0.0034	0.0040	0.0045
		Z	0.0006	-0.0069	0.0083	0.0042	-0.0023	-0.0009
AT.	17 SI	X	0.0001	0.0000	0.0025	0.0000	0.0000	-0.0009
		Y	0.0000	0.0012	0.0000	0.0013	0.0003	0.0000
		Z	0.0010	0.0000	0.0017	0.0000	0.0000	-0.0005
AT.	18 SI	X	-0.0001	0.0000	0.0025	0.0000	0.0000	-0.0009
		Y	0.0000	0.0012	0.0000	0.0013	-0.0003	0.0000
		Z	0.0010	0.0000	-0.0017	0.0000	0.0000	0.0005
AT.	19 SI	X	0.0001	0.0000	-0.0025	0.0000	0.0000	-0.0009
		Y	0.0000	-0.0012	0.0000	0.0013	0.0003	0.0000
		Z	0.0010	0.0000	-0.0017	0.0000	0.0000	-0.0005
AT.	20 SI	X	-0.0001	0.0000	-0.0025	0.0000	0.0000	-0.0009
		Y	0.0000	-0.0012	0.0000	0.0013	-0.0003	0.0000
		Z	0.0010	0.0000	0.0017	0.0000	0.0000	0.0005
AT.	21 CA	X	0.0000	-0.0002	-0.0001	-0.0001	-0.0003	0.0002
		Y	-0.0005	0.0002	0.0001	0.0004	-0.0001	0.0000
		Z	-0.0001	-0.0002	0.0000	0.0000	0.0006	-0.0006
AT.	22 CA	X	0.0000	-0.0002	-0.0001	-0.0001	0.0003	0.0002

	Y	0.0005	0.0002	0.0001	0.0004	0.0001	0.0000
	Z	-0.0001	0.0002	0.0000	0.0000	0.0006	0.0006
AT. 23 CA	X	0.0000	0.0002	-0.0001	0.0001	-0.0003	0.0002
	Y	-0.0005	0.0002	-0.0001	0.0004	0.0001	0.0000
	Z	-0.0001	-0.0002	0.0000	0.0000	-0.0006	0.0006
AT. 24 CA	X	0.0000	0.0002	-0.0001	0.0001	0.0003	0.0002
	Y	0.0005	0.0002	-0.0001	0.0004	-0.0001	0.0000
	Z	-0.0001	0.0002	0.0000	0.0000	-0.0006	-0.0006
AT. 25 CA	X	0.0000	0.0002	0.0001	-0.0001	-0.0003	0.0002
	Y	-0.0005	-0.0002	-0.0001	0.0004	-0.0001	0.0000
	Z	-0.0001	0.0002	0.0000	0.0000	0.0006	-0.0006
AT. 26 CA	X	0.0000	0.0002	0.0001	-0.0001	0.0003	0.0002
	Y	0.0005	-0.0002	-0.0001	0.0004	0.0001	0.0000
	Z	-0.0001	-0.0002	0.0000	0.0000	0.0006	0.0006
AT. 27 CA	X	0.0000	-0.0002	0.0001	0.0001	-0.0003	0.0002
	Y	-0.0005	-0.0002	0.0001	0.0004	0.0001	0.0000
	Z	-0.0001	0.0002	0.0000	0.0000	-0.0006	0.0006
AT. 28 CA	X	0.0000	-0.0002	0.0001	0.0001	0.0003	0.0002
	Y	0.0005	-0.0002	0.0001	0.0004	-0.0001	0.0000
	Z	-0.0001	-0.0002	0.0000	0.0000	-0.0006	-0.0006
AT. 29 CA	X	-0.0008	0.0000	0.0000	0.0005	0.0008	-0.0008
	Y	0.0003	0.0000	0.0000	-0.0003	0.0001	-0.0002
	Z	-0.0016	0.0000	0.0000	0.0013	0.0008	-0.0008
AT. 30 CA	X	0.0008	0.0000	0.0000	0.0005	-0.0008	-0.0008
	Y	-0.0003	0.0000	0.0000	-0.0003	-0.0001	-0.0002
	Z	-0.0016	0.0000	0.0000	-0.0013	0.0008	0.0008
AT. 31 CA	X	0.0008	0.0000	0.0000	-0.0005	0.0008	-0.0008
	Y	0.0003	0.0000	0.0000	-0.0003	-0.0001	0.0002
	Z	-0.0016	0.0000	0.0000	0.0013	-0.0008	0.0008
AT. 32 CA	X	-0.0008	0.0000	0.0000	-0.0005	-0.0008	-0.0008
	Y	-0.0003	0.0000	0.0000	-0.0003	0.0001	0.0002
	Z	-0.0016	0.0000	0.0000	-0.0013	-0.0008	-0.0008
AT. 33 CA	X	-0.0002	0.0003	0.0002	0.0003	-0.0001	0.0001
	Y	0.0003	0.0001	0.0001	0.0000	-0.0006	0.0007
	Z	0.0006	-0.0006	-0.0009	-0.0011	-0.0001	0.0001
AT. 34 CA	X	0.0002	0.0003	0.0002	0.0003	0.0001	0.0001
	Y	-0.0003	0.0001	0.0001	0.0000	0.0006	0.0007
	Z	0.0006	0.0006	0.0009	0.0011	-0.0001	-0.0001
AT. 35 CA	X	0.0002	-0.0003	0.0002	-0.0003	-0.0001	0.0001
	Y	0.0003	0.0001	-0.0001	0.0000	0.0006	-0.0007
	Z	0.0006	-0.0006	0.0009	-0.0011	0.0001	-0.0001
AT. 36 CA	X	-0.0002	-0.0003	0.0002	-0.0003	0.0001	0.0001
	Y	-0.0003	0.0001	-0.0001	0.0000	-0.0006	-0.0007
	Z	0.0006	0.0006	-0.0009	0.0011	0.0001	0.0001
AT. 37 CA	X	-0.0002	-0.0003	-0.0002	0.0003	-0.0001	0.0001
	Y	0.0003	-0.0001	-0.0001	0.0000	-0.0006	0.0007
	Z	0.0006	0.0006	0.0009	-0.0011	-0.0001	0.0001
AT. 38 CA	X	0.0002	-0.0003	-0.0002	0.0003	0.0001	0.0001
	Y	-0.0003	-0.0001	-0.0001	0.0000	0.0006	0.0007
	Z	0.0006	-0.0006	-0.0009	0.0011	-0.0001	-0.0001
AT. 39 CA	X	0.0002	0.0003	-0.0002	-0.0003	-0.0001	0.0001
	Y	0.0003	-0.0001	0.0001	0.0000	0.0006	-0.0007
	Z	0.0006	0.0006	-0.0009	-0.0011	0.0001	-0.0001
AT. 40 CA	X	-0.0002	0.0003	-0.0002	-0.0003	0.0001	0.0001
	Y	-0.0003	-0.0001	0.0001	0.0000	-0.0006	-0.0007
	Z	0.0006	-0.0006	0.0009	0.0011	0.0001	0.0001
AT. 41 CA	X	0.0001	0.0001	-0.0002	-0.0004	0.0000	0.0000
	Y	0.0001	0.0004	0.0000	-0.0001	0.0000	0.0001
	Z	0.0003	0.0003	-0.0011	-0.0006	0.0000	-0.0001
AT. 42 CA	X	-0.0001	0.0001	-0.0002	-0.0004	0.0000	0.0000
	Y	-0.0001	0.0004	0.0000	-0.0001	0.0000	0.0001

		Z	0.0003	-0.0003	0.0011	0.0006	0.0000	0.0001
AT.	43	CA X	-0.0001	-0.0001	-0.0002	0.0004	0.0000	0.0000
		Y	0.0001	0.0004	0.0000	-0.0001	0.0000	-0.0001
		Z	0.0003	0.0003	0.0011	-0.0006	0.0000	0.0001
AT.	44	CA X	0.0001	-0.0001	-0.0002	0.0004	0.0000	0.0000
		Y	-0.0001	0.0004	0.0000	-0.0001	0.0000	-0.0001
		Z	0.0003	-0.0003	-0.0011	0.0006	0.0000	-0.0001
AT.	45	CA X	0.0001	-0.0001	0.0002	-0.0004	0.0000	0.0000
		Y	0.0001	-0.0004	0.0000	-0.0001	0.0000	0.0001
		Z	0.0003	-0.0003	0.0011	-0.0006	0.0000	-0.0001
AT.	46	CA X	-0.0001	-0.0001	0.0002	-0.0004	0.0000	0.0000
		Y	-0.0001	-0.0004	0.0000	-0.0001	0.0000	0.0001
		Z	0.0003	0.0003	-0.0011	0.0006	0.0000	0.0001
AT.	47	CA X	-0.0001	0.0001	0.0002	0.0004	0.0000	0.0000
		Y	0.0001	-0.0004	0.0000	-0.0001	0.0000	-0.0001
		Z	0.0003	-0.0003	-0.0011	-0.0006	0.0000	0.0001
AT.	48	CA X	0.0001	0.0001	0.0002	0.0004	0.0000	0.0000
		Y	-0.0001	-0.0004	0.0000	-0.0001	0.0000	-0.0001
		Z	0.0003	0.0003	0.0011	0.0006	0.0000	-0.0001
AT.	49	CA X	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000
		Y	0.0000	0.0007	0.0000	0.0002	-0.0002	0.0000
		Z	0.0001	0.0000	-0.0008	0.0000	0.0000	0.0002
AT.	50	CA X	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000
		Y	0.0000	0.0007	0.0000	0.0002	0.0002	0.0000
		Z	0.0001	0.0000	0.0008	0.0000	0.0000	-0.0002
AT.	51	CA X	0.0000	0.0000	-0.0002	0.0000	0.0000	0.0000
		Y	0.0000	-0.0007	0.0000	0.0002	-0.0002	0.0000
		Z	0.0001	0.0000	0.0008	0.0000	0.0000	0.0002
AT.	52	CA X	0.0000	0.0000	-0.0002	0.0000	0.0000	0.0000
		Y	0.0000	-0.0007	0.0000	0.0002	0.0002	0.0000
		Z	0.0001	0.0000	-0.0008	0.0000	0.0000	-0.0002
AT.	53	O X	-0.0035	0.0029	0.0013	0.0028	0.0024	-0.0023
		Y	-0.0119	0.0087	0.0038	0.0096	0.0081	-0.0076
		Z	0.0009	-0.0008	-0.0006	-0.0007	-0.0003	0.0004
AT.	54	O X	0.0035	0.0029	0.0013	0.0028	-0.0024	-0.0023
		Y	0.0119	0.0087	0.0038	0.0096	-0.0081	-0.0076
		Z	0.0009	0.0008	0.0006	0.0007	-0.0003	-0.0004
AT.	55	O X	0.0035	-0.0029	0.0013	-0.0028	0.0024	-0.0023
		Y	-0.0119	0.0087	-0.0038	0.0096	-0.0081	0.0076
		Z	0.0009	-0.0008	0.0006	-0.0007	0.0003	-0.0004
AT.	56	O X	-0.0035	-0.0029	0.0013	-0.0028	-0.0024	-0.0023
		Y	0.0119	0.0087	-0.0038	0.0096	0.0081	0.0076
		Z	0.0009	0.0008	-0.0006	0.0007	0.0003	0.0004
AT.	57	O X	-0.0035	-0.0029	-0.0013	0.0028	0.0024	-0.0023
		Y	-0.0119	-0.0087	-0.0038	0.0096	0.0081	-0.0076
		Z	0.0009	0.0008	0.0006	-0.0007	-0.0003	0.0004
AT.	58	O X	0.0035	-0.0029	-0.0013	0.0028	-0.0024	-0.0023
		Y	0.0119	-0.0087	-0.0038	0.0096	-0.0081	-0.0076
		Z	0.0009	-0.0008	-0.0006	0.0007	-0.0003	-0.0004
AT.	59	O X	0.0035	0.0029	-0.0013	-0.0028	0.0024	-0.0023
		Y	-0.0119	-0.0087	0.0038	0.0096	-0.0081	0.0076
		Z	0.0009	0.0008	-0.0006	-0.0007	0.0003	-0.0004
AT.	60	O X	-0.0035	0.0029	-0.0013	-0.0028	-0.0024	-0.0023
		Y	0.0119	-0.0087	0.0038	0.0096	0.0081	0.0076
		Z	0.0009	-0.0008	0.0006	0.0007	0.0003	0.0004
AT.	61	O X	0.0056	0.0010	0.0000	-0.0032	-0.0066	0.0067
		Y	-0.0091	-0.0003	0.0001	0.0053	0.0109	-0.0110
		Z	-0.0153	-0.0030	0.0004	0.0095	0.0171	-0.0173
AT.	62	O X	-0.0056	0.0010	0.0000	-0.0032	0.0066	0.0067
		Y	0.0091	-0.0003	0.0001	0.0053	-0.0109	-0.0110
		Z	-0.0153	0.0030	-0.0004	-0.0095	0.0171	0.0173

AT.	63	O	X	-0.0056	-0.0010	0.0000	0.0032	-0.0066	0.0067
			Y	-0.0091	-0.0003	-0.0001	0.0053	-0.0109	0.0110
			Z	-0.0153	-0.0030	-0.0004	0.0095	-0.0171	0.0173
AT.	64	O	X	0.0056	-0.0010	0.0000	0.0032	0.0066	0.0067
			Y	0.0091	-0.0003	-0.0001	0.0053	0.0109	0.0110
			Z	-0.0153	0.0030	0.0004	-0.0095	-0.0171	-0.0173
AT.	65	O	X	0.0056	-0.0010	0.0000	-0.0032	-0.0066	0.0067
			Y	-0.0091	0.0003	-0.0001	0.0053	0.0109	-0.0110
			Z	-0.0153	0.0030	-0.0004	0.0095	0.0171	-0.0173
AT.	66	O	X	-0.0056	-0.0010	0.0000	-0.0032	0.0066	0.0067
			Y	0.0091	0.0003	-0.0001	0.0053	-0.0109	-0.0110
			Z	-0.0153	-0.0030	0.0004	-0.0095	0.0171	0.0173
AT.	67	O	X	-0.0056	0.0010	0.0000	0.0032	-0.0066	0.0067
			Y	-0.0091	0.0003	0.0001	0.0053	-0.0109	0.0110
			Z	-0.0153	0.0030	0.0004	0.0095	-0.0171	0.0173
AT.	68	O	X	0.0056	0.0010	0.0000	0.0032	0.0066	0.0067
			Y	0.0091	0.0003	0.0001	0.0053	0.0109	0.0110
			Z	-0.0153	-0.0030	-0.0004	-0.0095	-0.0171	-0.0173
AT.	69	O	X	0.0027	-0.0038	-0.0026	-0.0028	0.0016	-0.0017
			Y	-0.0041	0.0055	0.0039	0.0040	-0.0014	0.0018
			Z	0.0091	-0.0084	-0.0067	-0.0090	0.0033	-0.0038
AT.	70	O	X	-0.0027	-0.0038	-0.0026	-0.0028	-0.0016	-0.0017
			Y	0.0041	0.0055	0.0039	0.0040	0.0014	0.0018
			Z	0.0091	0.0084	0.0067	0.0090	0.0033	0.0038
AT.	71	O	X	-0.0027	0.0038	-0.0026	0.0028	0.0016	-0.0017
			Y	-0.0041	0.0055	-0.0039	0.0040	0.0014	-0.0018
			Z	0.0091	-0.0084	0.0067	-0.0090	-0.0033	0.0038
AT.	72	O	X	0.0027	0.0038	-0.0026	0.0028	-0.0016	-0.0017
			Y	0.0041	0.0055	-0.0039	0.0040	-0.0014	-0.0018
			Z	0.0091	0.0084	-0.0067	0.0090	-0.0033	-0.0038
AT.	73	O	X	0.0027	0.0038	0.0026	-0.0028	0.0016	-0.0017
			Y	-0.0041	-0.0055	-0.0039	0.0040	-0.0014	0.0018
			Z	0.0091	0.0084	0.0067	-0.0090	0.0033	-0.0038
AT.	74	O	X	-0.0027	0.0038	0.0026	-0.0028	-0.0016	-0.0017
			Y	0.0041	-0.0055	-0.0039	0.0040	0.0014	0.0018
			Z	0.0091	-0.0084	-0.0067	0.0090	0.0033	0.0038
AT.	75	O	X	-0.0027	-0.0038	0.0026	0.0028	0.0016	-0.0017
			Y	-0.0041	-0.0055	0.0039	0.0040	0.0014	-0.0018
			Z	0.0091	0.0084	-0.0067	-0.0090	-0.0033	0.0038
AT.	76	O	X	0.0027	-0.0038	0.0026	0.0028	-0.0016	-0.0017
			Y	0.0041	-0.0055	0.0039	0.0040	-0.0014	-0.0018
			Z	0.0091	-0.0084	0.0067	0.0090	-0.0033	-0.0038
AT.	77	O	X	-0.0079	0.0007	0.0032	0.0067	0.0041	-0.0041
			Y	-0.0011	0.0012	0.0004	0.0008	0.0010	-0.0009
			Z	0.0001	-0.0003	-0.0006	-0.0003	0.0009	-0.0009
AT.	78	O	X	0.0079	0.0007	0.0032	0.0067	-0.0041	-0.0041
			Y	0.0011	0.0012	0.0004	0.0008	-0.0010	-0.0009
			Z	0.0001	0.0003	0.0006	0.0003	0.0009	0.0009
AT.	79	O	X	0.0079	-0.0007	0.0032	-0.0067	0.0041	-0.0041
			Y	-0.0011	0.0012	-0.0004	0.0008	-0.0010	0.0009
			Z	0.0001	-0.0003	0.0006	-0.0003	-0.0009	0.0009
AT.	80	O	X	-0.0079	-0.0007	0.0032	-0.0067	-0.0041	-0.0041
			Y	0.0011	0.0012	-0.0004	0.0008	0.0010	0.0009
			Z	0.0001	0.0003	-0.0006	0.0003	-0.0009	-0.0009
AT.	81	O	X	-0.0079	-0.0007	-0.0032	0.0067	0.0041	-0.0041
			Y	-0.0011	-0.0012	-0.0004	0.0008	0.0010	-0.0009
			Z	0.0001	0.0003	0.0006	-0.0003	0.0009	-0.0009
AT.	82	O	X	0.0079	-0.0007	-0.0032	0.0067	-0.0041	-0.0041
			Y	0.0011	-0.0012	-0.0004	0.0008	-0.0010	-0.0009
			Z	0.0001	-0.0003	-0.0006	0.0003	0.0009	0.0009
AT.	83	O	X	0.0079	0.0007	-0.0032	-0.0067	0.0041	-0.0041

	Y	-0.0011	-0.0012	0.0004	0.0008	-0.0010	0.0009
	Z	0.0001	0.0003	-0.0006	-0.0003	-0.0009	0.0009
AT. 84 O	X	-0.0079	0.0007	-0.0032	-0.0067	-0.0041	-0.0041
	Y	0.0011	-0.0012	0.0004	0.0008	0.0010	0.0009
	Z	0.0001	-0.0003	0.0006	0.0003	-0.0009	-0.0009
AT. 85 O	X	-0.0003	-0.0058	-0.0050	-0.0031	0.0015	-0.0012
	Y	0.0009	0.0062	0.0056	0.0035	-0.0006	0.0004
	Z	-0.0004	0.0139	0.0117	0.0088	-0.0020	0.0016
AT. 86 O	X	0.0003	-0.0058	-0.0050	-0.0031	-0.0015	-0.0012
	Y	-0.0009	0.0062	0.0056	0.0035	0.0006	0.0004
	Z	-0.0004	-0.0139	-0.0117	-0.0088	-0.0020	-0.0016
AT. 87 O	X	0.0003	0.0058	-0.0050	0.0031	0.0015	-0.0012
	Y	0.0009	0.0062	-0.0056	0.0035	0.0006	-0.0004
	Z	-0.0004	0.0139	-0.0117	0.0088	0.0020	-0.0016
AT. 88 O	X	-0.0003	0.0058	-0.0050	0.0031	-0.0015	-0.0012
	Y	-0.0009	0.0062	-0.0056	0.0035	-0.0006	-0.0004
	Z	-0.0004	-0.0139	0.0117	-0.0088	0.0020	0.0016
AT. 89 O	X	-0.0003	0.0058	0.0050	-0.0031	0.0015	-0.0012
	Y	0.0009	-0.0062	-0.0056	0.0035	-0.0006	0.0004
	Z	-0.0004	-0.0139	-0.0117	0.0088	-0.0020	0.0016
AT. 90 O	X	0.0003	0.0058	0.0050	-0.0031	-0.0015	-0.0012
	Y	-0.0009	-0.0062	-0.0056	0.0035	0.0006	0.0004
	Z	-0.0004	0.0139	0.0117	-0.0088	-0.0020	-0.0016
AT. 91 O	X	0.0003	-0.0058	0.0050	0.0031	0.0015	-0.0012
	Y	0.0009	-0.0062	0.0056	0.0035	0.0006	-0.0004
	Z	-0.0004	-0.0139	0.0117	0.0088	0.0020	-0.0016
AT. 92 O	X	-0.0003	-0.0058	0.0050	0.0031	-0.0015	-0.0012
	Y	-0.0009	-0.0062	0.0056	0.0035	-0.0006	-0.0004
	Z	-0.0004	0.0139	-0.0117	-0.0088	0.0020	0.0016
AT. 93 O	X	0.0009	-0.0033	-0.0055	-0.0044	-0.0032	0.0031
	Y	0.0012	-0.0092	-0.0136	-0.0105	-0.0070	0.0067
	Z	0.0000	0.0002	0.0005	0.0002	-0.0011	0.0011
AT. 94 O	X	-0.0009	-0.0033	-0.0055	-0.0044	0.0032	0.0031
	Y	-0.0012	-0.0092	-0.0136	-0.0105	0.0070	0.0067
	Z	0.0000	-0.0002	-0.0005	-0.0002	-0.0011	-0.0011
AT. 95 O	X	-0.0009	0.0033	-0.0055	0.0044	-0.0032	0.0031
	Y	0.0012	-0.0092	0.0136	-0.0105	0.0070	-0.0067
	Z	0.0000	0.0002	-0.0005	0.0002	0.0011	-0.0011
AT. 96 O	X	0.0009	0.0033	-0.0055	0.0044	0.0032	0.0031
	Y	-0.0012	-0.0092	0.0136	-0.0105	-0.0070	-0.0067
	Z	0.0000	-0.0002	0.0005	-0.0002	0.0011	0.0011
AT. 97 O	X	0.0009	0.0033	0.0055	-0.0044	-0.0032	0.0031
	Y	0.0012	0.0092	0.0136	-0.0105	-0.0070	0.0067
	Z	0.0000	-0.0002	-0.0005	0.0002	-0.0011	0.0011
AT. 98 O	X	-0.0009	0.0033	0.0055	-0.0044	0.0032	0.0031
	Y	-0.0012	0.0092	0.0136	-0.0105	0.0070	0.0067
	Z	0.0000	0.0002	0.0005	-0.0002	-0.0011	-0.0011
AT. 99 O	X	-0.0009	-0.0033	0.0055	0.0044	-0.0032	0.0031
	Y	0.0012	0.0092	-0.0136	-0.0105	0.0070	-0.0067
	Z	0.0000	-0.0002	0.0005	0.0002	0.0011	-0.0011
AT. 100 O	X	0.0009	-0.0033	0.0055	0.0044	0.0032	0.0031
	Y	-0.0012	0.0092	-0.0136	-0.0105	-0.0070	-0.0067
	Z	0.0000	0.0002	-0.0005	-0.0002	0.0011	0.0011
AT. 101 O	X	0.0001	0.0008	0.0004	0.0005	0.0003	0.0002
	Y	0.0016	0.0022	-0.0041	0.0014	0.0015	0.0011
	Z	-0.0017	-0.0016	0.0064	-0.0005	-0.0016	-0.0017
AT. 102 O	X	-0.0001	0.0008	0.0004	0.0005	-0.0003	0.0002
	Y	-0.0016	0.0022	-0.0041	0.0014	-0.0015	0.0011
	Z	-0.0017	0.0016	-0.0064	0.0005	-0.0016	0.0017
AT. 103 O	X	-0.0001	-0.0008	0.0004	-0.0005	0.0003	0.0002
	Y	0.0016	0.0022	0.0041	0.0014	-0.0015	-0.0011

	Z	-0.0017	-0.0016	-0.0064	-0.0005	0.0016	0.0017
AT. 104 O	X	0.0001	-0.0008	0.0004	-0.0005	-0.0003	0.0002
	Y	-0.0016	0.0022	0.0041	0.0014	0.0015	-0.0011
	Z	-0.0017	0.0016	0.0064	0.0005	0.0016	-0.0017
AT. 105 O	X	0.0001	-0.0008	-0.0004	0.0005	0.0003	0.0002
	Y	0.0016	-0.0022	0.0041	0.0014	0.0015	0.0011
	Z	-0.0017	0.0016	-0.0064	-0.0005	-0.0016	-0.0017
AT. 106 O	X	-0.0001	-0.0008	-0.0004	0.0005	-0.0003	0.0002
	Y	-0.0016	-0.0022	0.0041	0.0014	-0.0015	0.0011
	Z	-0.0017	-0.0016	0.0064	0.0005	-0.0016	0.0017
AT. 107 O	X	-0.0001	0.0008	-0.0004	-0.0005	0.0003	0.0002
	Y	0.0016	-0.0022	-0.0041	0.0014	-0.0015	-0.0011
	Z	-0.0017	0.0016	0.0064	-0.0005	0.0016	0.0017
AT. 108 O	X	0.0001	0.0008	-0.0004	-0.0005	-0.0003	0.0002
	Y	-0.0016	-0.0022	-0.0041	0.0014	0.0015	-0.0011
	Z	-0.0017	-0.0016	-0.0064	0.0005	0.0016	-0.0017
AT. 109 O	X	-0.0010	0.0138	0.0155	0.0122	0.0025	-0.0029
	Y	0.0003	-0.0004	0.0002	0.0001	0.0007	-0.0006
	Z	-0.0003	0.0011	0.0017	0.0011	0.0001	-0.0003
AT. 110 O	X	0.0010	0.0138	0.0155	0.0122	-0.0025	-0.0029
	Y	-0.0003	-0.0004	0.0002	0.0001	-0.0007	-0.0006
	Z	-0.0003	-0.0011	-0.0017	-0.0011	0.0001	0.0003
AT. 111 O	X	0.0010	-0.0138	0.0155	-0.0122	0.0025	-0.0029
	Y	0.0003	-0.0004	-0.0002	0.0001	-0.0007	0.0006
	Z	-0.0003	0.0011	-0.0017	0.0011	-0.0001	0.0003
AT. 112 O	X	-0.0010	-0.0138	0.0155	-0.0122	-0.0025	-0.0029
	Y	-0.0003	-0.0004	-0.0002	0.0001	0.0007	0.0006
	Z	-0.0003	-0.0011	0.0017	-0.0011	-0.0001	-0.0003
AT. 113 O	X	-0.0010	-0.0138	-0.0155	0.0122	0.0025	-0.0029
	Y	0.0003	0.0004	-0.0002	0.0001	0.0007	-0.0006
	Z	-0.0003	-0.0011	-0.0017	0.0011	0.0001	-0.0003
AT. 114 O	X	0.0010	-0.0138	-0.0155	0.0122	-0.0025	-0.0029
	Y	-0.0003	0.0004	-0.0002	0.0001	-0.0007	-0.0006
	Z	-0.0003	0.0011	0.0017	-0.0011	0.0001	0.0003
AT. 115 O	X	0.0010	0.0138	-0.0155	-0.0122	0.0025	-0.0029
	Y	0.0003	0.0004	0.0002	0.0001	-0.0007	0.0006
	Z	-0.0003	-0.0011	0.0017	0.0011	-0.0001	0.0003
AT. 116 O	X	-0.0010	0.0138	-0.0155	-0.0122	-0.0025	-0.0029
	Y	-0.0003	0.0004	0.0002	0.0001	0.0007	0.0006
	Z	-0.0003	0.0011	-0.0017	-0.0011	-0.0001	-0.0003
AT. 117 O	X	-0.0005	-0.0041	-0.0016	-0.0039	-0.0004	0.0002
	Y	-0.0005	-0.0025	-0.0029	-0.0021	-0.0014	0.0011
	Z	0.0000	-0.0044	-0.0016	-0.0037	-0.0003	0.0005
AT. 118 O	X	0.0005	-0.0041	-0.0016	-0.0039	0.0004	0.0002
	Y	0.0005	-0.0025	-0.0029	-0.0021	0.0014	0.0011
	Z	0.0000	0.0044	0.0016	0.0037	-0.0003	-0.0005
AT. 119 O	X	0.0005	0.0041	-0.0016	0.0039	-0.0004	0.0002
	Y	-0.0005	-0.0025	0.0029	-0.0021	0.0014	-0.0011
	Z	0.0000	-0.0044	0.0016	-0.0037	0.0003	-0.0005
AT. 120 O	X	-0.0005	0.0041	-0.0016	0.0039	0.0004	0.0002
	Y	0.0005	-0.0025	0.0029	-0.0021	-0.0014	-0.0011
	Z	0.0000	0.0044	-0.0016	0.0037	0.0003	0.0005
AT. 121 O	X	-0.0005	0.0041	0.0016	-0.0039	-0.0004	0.0002
	Y	-0.0005	0.0025	0.0029	-0.0021	-0.0014	0.0011
	Z	0.0000	0.0044	0.0016	-0.0037	-0.0003	0.0005
AT. 122 O	X	0.0005	0.0041	0.0016	-0.0039	0.0004	0.0002
	Y	0.0005	0.0025	0.0029	-0.0021	0.0014	0.0011
	Z	0.0000	-0.0044	-0.0016	0.0037	-0.0003	-0.0005
AT. 123 O	X	0.0005	-0.0041	0.0016	0.0039	-0.0004	0.0002
	Y	-0.0005	0.0025	-0.0029	-0.0021	0.0014	-0.0011
	Z	0.0000	0.0044	-0.0016	-0.0037	0.0003	-0.0005

AT. 124 O	X	-0.0005	-0.0041	0.0016	0.0039	0.0004	0.0002
	Y	0.0005	0.0025	-0.0029	-0.0021	-0.0014	-0.0011
	Z	0.0000	-0.0044	0.0016	0.0037	0.0003	0.0005

FREQ(CM**-1)		884.97	886.52	886.55	894.05	894.19	894.20
AT. 1 SI	X	0.0009	0.0022	-0.0012	-0.0010	-0.0007	-0.0008
	Y	0.0074	0.0017	-0.0087	-0.0005	-0.0007	-0.0008
	Z	0.0118	-0.0106	-0.0117	0.0016	0.0013	0.0003
AT. 2 SI	X	0.0009	-0.0022	0.0012	-0.0010	0.0007	-0.0008
	Y	0.0074	-0.0017	0.0087	-0.0005	0.0007	-0.0008
	Z	-0.0118	-0.0106	-0.0117	-0.0016	0.0013	-0.0003
AT. 3 SI	X	-0.0009	-0.0022	0.0012	-0.0010	-0.0007	0.0008
	Y	0.0074	0.0017	-0.0087	0.0005	0.0007	-0.0008
	Z	0.0118	-0.0106	-0.0117	-0.0016	-0.0013	0.0003
AT. 4 SI	X	-0.0009	0.0022	-0.0012	-0.0010	0.0007	0.0008
	Y	0.0074	-0.0017	0.0087	0.0005	-0.0007	-0.0008
	Z	-0.0118	-0.0106	-0.0117	0.0016	-0.0013	-0.0003
AT. 5 SI	X	-0.0009	0.0022	0.0012	-0.0010	0.0007	-0.0008
	Y	-0.0074	0.0017	0.0087	-0.0005	0.0007	-0.0008
	Z	-0.0118	-0.0106	0.0117	0.0016	-0.0013	0.0003
AT. 6 SI	X	-0.0009	-0.0022	-0.0012	-0.0010	-0.0007	-0.0008
	Y	-0.0074	-0.0017	-0.0087	-0.0005	-0.0007	-0.0008
	Z	0.0118	-0.0106	0.0117	-0.0016	-0.0013	-0.0003
AT. 7 SI	X	0.0009	-0.0022	-0.0012	-0.0010	0.0007	0.0008
	Y	-0.0074	0.0017	0.0087	0.0005	-0.0007	-0.0008
	Z	-0.0118	-0.0106	0.0117	-0.0016	0.0013	0.0003
AT. 8 SI	X	0.0009	0.0022	0.0012	-0.0010	-0.0007	0.0008
	Y	-0.0074	-0.0017	-0.0087	0.0005	0.0007	-0.0008
	Z	0.0118	-0.0106	0.0117	0.0016	0.0013	-0.0003
AT. 9 SI	X	0.0009	0.0030	-0.0013	0.0023	-0.0009	-0.0012
	Y	-0.0048	-0.0023	0.0065	0.0035	0.0068	0.0071
	Z	-0.0042	0.0026	0.0019	0.0026	-0.0031	-0.0029
AT. 10 SI	X	0.0009	-0.0030	0.0013	0.0023	0.0009	-0.0012
	Y	-0.0048	0.0023	-0.0065	0.0035	-0.0068	0.0071
	Z	0.0042	0.0026	0.0019	-0.0026	-0.0031	0.0029
AT. 11 SI	X	-0.0009	-0.0030	0.0013	0.0023	-0.0009	0.0012
	Y	-0.0048	-0.0023	0.0065	-0.0035	-0.0068	0.0071
	Z	-0.0042	0.0026	0.0019	-0.0026	0.0031	-0.0029
AT. 12 SI	X	-0.0009	0.0030	-0.0013	0.0023	0.0009	0.0012
	Y	-0.0048	0.0023	-0.0065	-0.0035	0.0068	0.0071
	Z	0.0042	0.0026	0.0019	0.0026	0.0031	0.0029
AT. 13 SI	X	-0.0009	0.0030	0.0013	0.0023	0.0009	-0.0012
	Y	0.0048	-0.0023	-0.0065	0.0035	-0.0068	0.0071
	Z	0.0042	0.0026	-0.0019	0.0026	0.0031	-0.0029
AT. 14 SI	X	-0.0009	-0.0030	-0.0013	0.0023	-0.0009	-0.0012
	Y	0.0048	0.0023	0.0065	0.0035	0.0068	0.0071
	Z	-0.0042	0.0026	-0.0019	-0.0026	0.0031	0.0029
AT. 15 SI	X	0.0009	-0.0030	-0.0013	0.0023	0.0009	0.0012
	Y	0.0048	-0.0023	-0.0065	-0.0035	0.0068	0.0071
	Z	0.0042	0.0026	-0.0019	-0.0026	-0.0031	-0.0029
AT. 16 SI	X	0.0009	0.0030	0.0013	0.0023	-0.0009	0.0012
	Y	0.0048	0.0023	0.0065	-0.0035	-0.0068	0.0071
	Z	-0.0042	0.0026	-0.0019	0.0026	-0.0031	0.0029
AT. 17 SI	X	0.0000	0.0053	0.0012	0.0096	0.0000	0.0000
	Y	0.0012	0.0000	0.0000	0.0000	0.0072	0.0071
	Z	0.0000	-0.0075	-0.0007	-0.0102	0.0000	0.0000
AT. 18 SI	X	0.0000	-0.0053	-0.0012	0.0096	0.0000	0.0000
	Y	0.0012	0.0000	0.0000	0.0000	-0.0072	0.0071
	Z	0.0000	-0.0075	-0.0007	0.0102	0.0000	0.0000
AT. 19 SI	X	0.0000	0.0053	-0.0012	0.0096	0.0000	0.0000

	Y	-0.0012	0.0000	0.0000	0.0000	-0.0072	0.0071
	Z	0.0000	-0.0075	0.0007	-0.0102	0.0000	0.0000
AT. 20 SI	X	0.0000	-0.0053	0.0012	0.0096	0.0000	0.0000
	Y	-0.0012	0.0000	0.0000	0.0000	0.0072	0.0071
	Z	0.0000	-0.0075	0.0007	0.0102	0.0000	0.0000
AT. 21 CA	X	0.0001	0.0001	-0.0001	0.0001	0.0000	0.0000
	Y	-0.0004	0.0000	0.0006	0.0002	0.0001	0.0001
	Z	-0.0002	-0.0004	0.0003	0.0002	0.0002	0.0001
AT. 22 CA	X	0.0001	-0.0001	0.0001	0.0001	0.0000	0.0000
	Y	-0.0004	0.0000	-0.0006	0.0002	-0.0001	0.0001
	Z	0.0002	-0.0004	0.0003	-0.0002	0.0002	-0.0001
AT. 23 CA	X	-0.0001	-0.0001	0.0001	0.0001	0.0000	0.0000
	Y	-0.0004	0.0000	0.0006	-0.0002	-0.0001	0.0001
	Z	-0.0002	-0.0004	0.0003	-0.0002	-0.0002	0.0001
AT. 24 CA	X	-0.0001	0.0001	-0.0001	0.0001	0.0000	0.0000
	Y	-0.0004	0.0000	-0.0006	-0.0002	0.0001	0.0001
	Z	0.0002	-0.0004	0.0003	0.0002	-0.0002	-0.0001
AT. 25 CA	X	-0.0001	0.0001	0.0001	0.0001	0.0000	0.0000
	Y	0.0004	0.0000	-0.0006	0.0002	-0.0001	0.0001
	Z	0.0002	-0.0004	-0.0003	0.0002	-0.0002	0.0001
AT. 26 CA	X	-0.0001	-0.0001	-0.0001	0.0001	0.0000	0.0000
	Y	0.0004	0.0000	0.0006	0.0002	0.0001	0.0001
	Z	-0.0002	-0.0004	-0.0003	-0.0002	-0.0002	-0.0001
AT. 27 CA	X	0.0001	-0.0001	-0.0001	0.0001	0.0000	0.0000
	Y	0.0004	0.0000	-0.0006	-0.0002	0.0001	0.0001
	Z	0.0002	-0.0004	-0.0003	-0.0002	0.0002	0.0001
AT. 28 CA	X	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000
	Y	0.0004	0.0000	0.0006	-0.0002	-0.0001	0.0001
	Z	-0.0002	-0.0004	-0.0003	0.0002	0.0002	-0.0001
AT. 29 CA	X	0.0000	0.0001	0.0000	0.0000	0.0000	0.0001
	Y	0.0000	0.0004	0.0000	0.0000	0.0000	0.0000
	Z	0.0000	-0.0007	0.0000	0.0002	0.0000	0.0001
AT. 30 CA	X	0.0000	-0.0001	0.0000	0.0000	0.0000	0.0001
	Y	0.0000	-0.0004	0.0000	0.0000	0.0000	0.0000
	Z	0.0000	-0.0007	0.0000	-0.0002	0.0000	-0.0001
AT. 31 CA	X	0.0000	-0.0001	0.0000	0.0000	0.0000	-0.0001
	Y	0.0000	0.0004	0.0000	0.0000	0.0000	0.0000
	Z	0.0000	-0.0007	0.0000	-0.0002	0.0000	0.0001
AT. 32 CA	X	0.0000	0.0001	0.0000	0.0000	0.0000	-0.0001
	Y	0.0000	-0.0004	0.0000	0.0000	0.0000	0.0000
	Z	0.0000	-0.0007	0.0000	0.0002	0.0000	-0.0001
AT. 33 CA	X	0.0000	-0.0004	-0.0001	-0.0002	-0.0001	-0.0001
	Y	0.0004	-0.0003	-0.0005	-0.0002	-0.0001	-0.0001
	Z	0.0003	0.0006	-0.0002	0.0005	0.0001	0.0001
AT. 34 CA	X	0.0000	0.0004	0.0001	-0.0002	0.0001	-0.0001
	Y	0.0004	0.0003	0.0005	-0.0002	0.0001	-0.0001
	Z	-0.0003	0.0006	-0.0002	-0.0005	0.0001	-0.0001
AT. 35 CA	X	0.0000	0.0004	0.0001	-0.0002	-0.0001	0.0001
	Y	0.0004	-0.0003	-0.0005	0.0002	0.0001	-0.0001
	Z	0.0003	0.0006	-0.0002	-0.0005	-0.0001	0.0001
AT. 36 CA	X	0.0000	-0.0004	-0.0001	-0.0002	0.0001	0.0001
	Y	0.0004	0.0003	0.0005	0.0002	-0.0001	-0.0001
	Z	-0.0003	0.0006	-0.0002	0.0005	-0.0001	-0.0001
AT. 37 CA	X	0.0000	-0.0004	0.0001	-0.0002	0.0001	-0.0001
	Y	-0.0004	-0.0003	0.0005	-0.0002	0.0001	-0.0001
	Z	-0.0003	0.0006	0.0002	0.0005	-0.0001	0.0001
AT. 38 CA	X	0.0000	0.0004	-0.0001	-0.0002	-0.0001	-0.0001
	Y	-0.0004	0.0003	-0.0005	-0.0002	-0.0001	-0.0001
	Z	0.0003	0.0006	0.0002	-0.0005	-0.0001	-0.0001
AT. 39 CA	X	0.0000	0.0004	-0.0001	-0.0002	0.0001	0.0001
	Y	-0.0004	-0.0003	0.0005	0.0002	-0.0001	-0.0001

		Z	-0.0003	0.0006	0.0002	-0.0005	0.0001	0.0001
AT.	40 CA	X	0.0000	-0.0004	0.0001	-0.0002	-0.0001	0.0001
		Y	-0.0004	0.0003	-0.0005	0.0002	0.0001	-0.0001
		Z	0.0003	0.0006	0.0002	0.0005	0.0001	-0.0001
AT.	41 CA	X	-0.0001	0.0004	0.0001	-0.0001	0.0004	0.0004
		Y	-0.0001	0.0001	-0.0002	-0.0010	0.0000	0.0000
		Z	0.0002	0.0005	0.0000	-0.0002	-0.0009	-0.0009
AT.	42 CA	X	-0.0001	-0.0004	-0.0001	-0.0001	-0.0004	0.0004
		Y	-0.0001	-0.0001	0.0002	-0.0010	0.0000	0.0000
		Z	-0.0002	0.0005	0.0000	0.0002	-0.0009	0.0009
AT.	43 CA	X	0.0001	-0.0004	-0.0001	-0.0001	0.0004	-0.0004
		Y	-0.0001	0.0001	-0.0002	0.0010	0.0000	0.0000
		Z	0.0002	0.0005	0.0000	0.0002	0.0009	-0.0009
AT.	44 CA	X	0.0001	0.0004	0.0001	-0.0001	-0.0004	-0.0004
		Y	-0.0001	-0.0001	0.0002	0.0010	0.0000	0.0000
		Z	-0.0002	0.0005	0.0000	-0.0002	0.0009	0.0009
AT.	45 CA	X	0.0001	0.0004	-0.0001	-0.0001	-0.0004	0.0004
		Y	0.0001	0.0001	0.0002	-0.0010	0.0000	0.0000
		Z	-0.0002	0.0005	0.0000	-0.0002	0.0009	-0.0009
AT.	46 CA	X	0.0001	-0.0004	0.0001	-0.0001	0.0004	0.0004
		Y	0.0001	-0.0001	-0.0002	-0.0010	0.0000	0.0000
		Z	0.0002	0.0005	0.0000	0.0002	0.0009	0.0009
AT.	47 CA	X	-0.0001	-0.0004	0.0001	-0.0001	-0.0004	-0.0004
		Y	0.0001	0.0001	0.0002	0.0010	0.0000	0.0000
		Z	-0.0002	0.0005	0.0000	0.0002	-0.0009	-0.0009
AT.	48 CA	X	-0.0001	0.0004	-0.0001	-0.0001	0.0004	-0.0004
		Y	0.0001	-0.0001	-0.0002	0.0010	0.0000	0.0000
		Z	0.0002	0.0005	0.0000	-0.0002	-0.0009	0.0009
AT.	49 CA	X	0.0000	-0.0004	-0.0001	-0.0005	0.0000	0.0000
		Y	0.0004	0.0000	0.0000	0.0000	-0.0005	-0.0005
		Z	0.0000	-0.0002	-0.0005	-0.0009	0.0000	0.0000
AT.	50 CA	X	0.0000	0.0004	0.0001	-0.0005	0.0000	0.0000
		Y	0.0004	0.0000	0.0000	0.0000	0.0005	-0.0005
		Z	0.0000	-0.0002	-0.0005	0.0009	0.0000	0.0000
AT.	51 CA	X	0.0000	-0.0004	0.0001	-0.0005	0.0000	0.0000
		Y	-0.0004	0.0000	0.0000	0.0000	0.0005	-0.0005
		Z	0.0000	-0.0002	0.0005	-0.0009	0.0000	0.0000
AT.	52 CA	X	0.0000	0.0004	-0.0001	-0.0005	0.0000	0.0000
		Y	-0.0004	0.0000	0.0000	0.0000	-0.0005	-0.0005
		Z	0.0000	-0.0002	0.0005	0.0009	0.0000	0.0000
AT.	53 O	X	-0.0018	-0.0008	0.0022	0.0002	0.0002	0.0002
		Y	-0.0058	-0.0032	0.0070	0.0004	0.0005	0.0006
		Z	-0.0011	0.0010	0.0009	-0.0005	-0.0004	-0.0003
AT.	54 O	X	-0.0018	0.0008	-0.0022	0.0002	-0.0002	0.0002
		Y	-0.0058	0.0032	-0.0070	0.0004	-0.0005	0.0006
		Z	0.0011	0.0010	0.0009	0.0005	-0.0004	0.0003
AT.	55 O	X	0.0018	0.0008	-0.0022	0.0002	0.0002	-0.0002
		Y	-0.0058	-0.0032	0.0070	-0.0004	-0.0005	0.0006
		Z	-0.0011	0.0010	0.0009	0.0005	0.0004	-0.0003
AT.	56 O	X	0.0018	-0.0008	0.0022	0.0002	-0.0002	-0.0002
		Y	-0.0058	0.0032	-0.0070	-0.0004	0.0005	0.0006
		Z	0.0011	0.0010	0.0009	-0.0005	0.0004	0.0003
AT.	57 O	X	0.0018	-0.0008	-0.0022	0.0002	-0.0002	0.0002
		Y	0.0058	-0.0032	-0.0070	0.0004	-0.0005	0.0006
		Z	0.0011	0.0010	-0.0009	-0.0005	0.0004	-0.0003
AT.	58 O	X	0.0018	0.0008	0.0022	0.0002	0.0002	0.0002
		Y	0.0058	0.0032	0.0070	0.0004	0.0005	0.0006
		Z	-0.0011	0.0010	-0.0009	0.0005	0.0004	0.0003
AT.	59 O	X	-0.0018	0.0008	0.0022	0.0002	-0.0002	-0.0002
		Y	0.0058	-0.0032	-0.0070	-0.0004	0.0005	0.0006
		Z	0.0011	0.0010	-0.0009	0.0005	-0.0004	-0.0003

AT.	60	O	X	-0.0018	-0.0008	-0.0022	0.0002	0.0002	-0.0002
			Y	0.0058	0.0032	0.0070	-0.0004	-0.0005	0.0006
			Z	-0.0011	0.0010	-0.0009	-0.0005	-0.0004	0.0003
AT.	61	O	X	0.0058	-0.0033	-0.0060	0.0003	0.0002	-0.0001
			Y	-0.0094	0.0050	0.0101	-0.0001	0.0000	0.0005
			Z	-0.0146	0.0082	0.0149	-0.0010	-0.0006	0.0004
AT.	62	O	X	0.0058	0.0033	0.0060	0.0003	-0.0002	-0.0001
			Y	-0.0094	-0.0050	-0.0101	-0.0001	0.0000	0.0005
			Z	0.0146	0.0082	0.0149	0.0010	-0.0006	-0.0004
AT.	63	O	X	-0.0058	0.0033	0.0060	0.0003	0.0002	0.0001
			Y	-0.0094	0.0050	0.0101	0.0001	0.0000	0.0005
			Z	-0.0146	0.0082	0.0149	0.0010	0.0006	0.0004
AT.	64	O	X	-0.0058	-0.0033	-0.0060	0.0003	-0.0002	0.0001
			Y	-0.0094	-0.0050	-0.0101	0.0001	0.0000	0.0005
			Z	0.0146	0.0082	0.0149	-0.0010	0.0006	-0.0004
AT.	65	O	X	-0.0058	-0.0033	0.0060	0.0003	-0.0002	-0.0001
			Y	0.0094	0.0050	-0.0101	-0.0001	0.0000	0.0005
			Z	0.0146	0.0082	-0.0149	-0.0010	0.0006	0.0004
AT.	66	O	X	-0.0058	0.0033	-0.0060	0.0003	0.0002	-0.0001
			Y	0.0094	-0.0050	0.0101	-0.0001	0.0000	0.0005
			Z	-0.0146	0.0082	-0.0149	0.0010	0.0006	-0.0004
AT.	67	O	X	0.0058	0.0033	-0.0060	0.0003	-0.0002	0.0001
			Y	0.0094	0.0050	-0.0101	0.0001	0.0000	0.0005
			Z	0.0146	0.0082	-0.0149	0.0010	-0.0006	0.0004
AT.	68	O	X	0.0058	-0.0033	0.0060	0.0003	0.0002	0.0001
			Y	0.0094	-0.0050	0.0101	0.0001	0.0000	0.0005
			Z	-0.0146	0.0082	-0.0149	-0.0010	-0.0006	-0.0004
AT.	69	O	X	-0.0020	0.0033	0.0017	-0.0005	-0.0005	-0.0002
			Y	0.0011	-0.0045	-0.0005	0.0008	0.0008	0.0003
			Z	-0.0062	0.0102	0.0057	-0.0014	-0.0013	-0.0007
AT.	70	O	X	-0.0020	-0.0033	-0.0017	-0.0005	0.0005	-0.0002
			Y	0.0011	0.0045	0.0005	0.0008	-0.0008	0.0003
			Z	0.0062	0.0102	0.0057	0.0014	-0.0013	0.0007
AT.	71	O	X	0.0020	-0.0033	-0.0017	-0.0005	-0.0005	0.0002
			Y	0.0011	-0.0045	-0.0005	-0.0008	-0.0008	0.0003
			Z	-0.0062	0.0102	0.0057	0.0014	0.0013	-0.0007
AT.	72	O	X	0.0020	0.0033	0.0017	-0.0005	0.0005	0.0002
			Y	0.0011	0.0045	0.0005	-0.0008	0.0008	0.0003
			Z	0.0062	0.0102	0.0057	-0.0014	0.0013	0.0007
AT.	73	O	X	0.0020	0.0033	-0.0017	-0.0005	0.0005	-0.0002
			Y	-0.0011	-0.0045	0.0005	0.0008	-0.0008	0.0003
			Z	0.0062	0.0102	-0.0057	-0.0014	0.0013	-0.0007
AT.	74	O	X	0.0020	-0.0033	0.0017	-0.0005	-0.0005	-0.0002
			Y	-0.0011	0.0045	-0.0005	0.0008	0.0008	0.0003
			Z	-0.0062	0.0102	-0.0057	0.0014	0.0013	0.0007
AT.	75	O	X	-0.0020	-0.0033	0.0017	-0.0005	0.0005	0.0002
			Y	-0.0011	-0.0045	0.0005	-0.0008	0.0008	0.0003
			Z	0.0062	0.0102	-0.0057	0.0014	-0.0013	-0.0007
AT.	76	O	X	-0.0020	0.0033	-0.0017	-0.0005	-0.0005	0.0002
			Y	-0.0011	0.0045	-0.0005	-0.0008	-0.0008	0.0003
			Z	-0.0062	0.0102	-0.0057	-0.0014	-0.0013	0.0007
AT.	77	O	X	-0.0033	-0.0028	0.0040	0.0017	0.0013	0.0015
			Y	-0.0015	0.0000	0.0018	0.0001	0.0002	0.0001
			Z	-0.0016	0.0014	0.0015	-0.0005	-0.0003	-0.0002
AT.	78	O	X	-0.0033	0.0028	-0.0040	0.0017	-0.0013	0.0015
			Y	-0.0015	0.0000	-0.0018	0.0001	-0.0002	0.0001
			Z	0.0016	0.0014	0.0015	0.0005	-0.0003	0.0002
AT.	79	O	X	0.0033	0.0028	-0.0040	0.0017	0.0013	-0.0015
			Y	-0.0015	0.0000	0.0018	-0.0001	-0.0002	0.0001
			Z	-0.0016	0.0014	0.0015	0.0005	0.0003	-0.0002
AT.	80	O	X	0.0033	-0.0028	0.0040	0.0017	-0.0013	-0.0015

		Y	-0.0015	0.0000	-0.0018	-0.0001	0.0002	0.0001
		Z	0.0016	0.0014	0.0015	-0.0005	0.0003	0.0002
AT.	81 O	X	0.0033	-0.0028	-0.0040	0.0017	-0.0013	0.0015
		Y	0.0015	0.0000	-0.0018	0.0001	-0.0002	0.0001
		Z	0.0016	0.0014	-0.0015	-0.0005	0.0003	-0.0002
AT.	82 O	X	0.0033	0.0028	0.0040	0.0017	0.0013	0.0015
		Y	0.0015	0.0000	0.0018	0.0001	0.0002	0.0001
		Z	-0.0016	0.0014	-0.0015	0.0005	0.0003	0.0002
AT.	83 O	X	-0.0033	0.0028	0.0040	0.0017	-0.0013	-0.0015
		Y	0.0015	0.0000	-0.0018	-0.0001	0.0002	0.0001
		Z	0.0016	0.0014	-0.0015	0.0005	-0.0003	-0.0002
AT.	84 O	X	-0.0033	-0.0028	-0.0040	0.0017	0.0013	-0.0015
		Y	0.0015	0.0000	0.0018	-0.0001	-0.0002	0.0001
		Z	-0.0016	0.0014	-0.0015	-0.0005	-0.0003	0.0002
AT.	85 O	X	-0.0021	0.0026	0.0023	0.0041	0.0015	0.0016
		Y	0.0014	-0.0034	-0.0022	-0.0056	-0.0025	-0.0027
		Z	0.0025	-0.0081	-0.0039	-0.0117	-0.0051	-0.0053
AT.	86 O	X	-0.0021	-0.0026	-0.0023	0.0041	-0.0015	0.0016
		Y	0.0014	0.0034	0.0022	-0.0056	0.0025	-0.0027
		Z	-0.0025	-0.0081	-0.0039	0.0117	-0.0051	0.0053
AT.	87 O	X	0.0021	-0.0026	-0.0023	0.0041	0.0015	-0.0016
		Y	0.0014	-0.0034	-0.0022	0.0056	0.0025	-0.0027
		Z	0.0025	-0.0081	-0.0039	0.0117	0.0051	-0.0053
AT.	88 O	X	0.0021	0.0026	0.0023	0.0041	-0.0015	-0.0016
		Y	0.0014	0.0034	0.0022	0.0056	-0.0025	-0.0027
		Z	-0.0025	-0.0081	-0.0039	-0.0117	0.0051	0.0053
AT.	89 O	X	0.0021	0.0026	-0.0023	0.0041	-0.0015	0.0016
		Y	-0.0014	-0.0034	0.0022	-0.0056	0.0025	-0.0027
		Z	-0.0025	-0.0081	0.0039	-0.0117	0.0051	-0.0053
AT.	90 O	X	0.0021	-0.0026	0.0023	0.0041	0.0015	0.0016
		Y	-0.0014	0.0034	-0.0022	-0.0056	-0.0025	-0.0027
		Z	0.0025	-0.0081	0.0039	0.0117	0.0051	0.0053
AT.	91 O	X	-0.0021	-0.0026	0.0023	0.0041	-0.0015	-0.0016
		Y	-0.0014	-0.0034	0.0022	0.0056	-0.0025	-0.0027
		Z	-0.0025	-0.0081	0.0039	0.0117	-0.0051	-0.0053
AT.	92 O	X	-0.0021	0.0026	-0.0023	0.0041	0.0015	-0.0016
		Y	-0.0014	0.0034	-0.0022	0.0056	0.0025	-0.0027
		Z	0.0025	-0.0081	0.0039	-0.0117	-0.0051	0.0053
AT.	93 O	X	0.0038	0.0032	-0.0037	0.0009	-0.0013	-0.0015
		Y	0.0094	0.0104	-0.0079	0.0052	-0.0011	-0.0014
		Z	0.0010	-0.0008	-0.0011	-0.0009	-0.0004	-0.0005
AT.	94 O	X	0.0038	-0.0032	0.0037	0.0009	0.0013	-0.0015
		Y	0.0094	-0.0104	0.0079	0.0052	0.0011	-0.0014
		Z	-0.0010	-0.0008	-0.0011	0.0009	-0.0004	0.0005
AT.	95 O	X	-0.0038	-0.0032	0.0037	0.0009	-0.0013	0.0015
		Y	0.0094	0.0104	-0.0079	-0.0052	0.0011	-0.0014
		Z	0.0010	-0.0008	-0.0011	0.0009	0.0004	-0.0005
AT.	96 O	X	-0.0038	0.0032	-0.0037	0.0009	0.0013	0.0015
		Y	0.0094	-0.0104	0.0079	-0.0052	-0.0011	-0.0014
		Z	-0.0010	-0.0008	-0.0011	-0.0009	0.0004	0.0005
AT.	97 O	X	-0.0038	0.0032	0.0037	0.0009	0.0013	-0.0015
		Y	-0.0094	0.0104	0.0079	0.0052	0.0011	-0.0014
		Z	-0.0010	-0.0008	0.0011	-0.0009	0.0004	-0.0005
AT.	98 O	X	-0.0038	-0.0032	-0.0037	0.0009	-0.0013	-0.0015
		Y	-0.0094	-0.0104	-0.0079	0.0052	-0.0011	-0.0014
		Z	0.0010	-0.0008	0.0011	0.0009	0.0004	0.0005
AT.	99 O	X	0.0038	-0.0032	-0.0037	0.0009	0.0013	0.0015
		Y	-0.0094	0.0104	0.0079	-0.0052	-0.0011	-0.0014
		Z	-0.0010	-0.0008	0.0011	0.0009	-0.0004	-0.0005
AT.	100 O	X	0.0038	0.0032	0.0037	0.0009	-0.0013	0.0015
		Y	-0.0094	-0.0104	-0.0079	-0.0052	0.0011	-0.0014

	Z	0.0010	-0.0008	0.0011	-0.0009	-0.0004	0.0005
AT. 101 O	X	-0.0018	-0.0043	-0.0006	-0.0063	-0.0067	-0.0067
	Y	-0.0053	-0.0080	-0.0026	-0.0144	-0.0177	-0.0177
	Z	0.0061	0.0082	0.0033	0.0160	0.0206	0.0205
AT. 102 O	X	-0.0018	0.0043	0.0006	-0.0063	0.0067	-0.0067
	Y	-0.0053	0.0080	0.0026	-0.0144	0.0177	-0.0177
	Z	-0.0061	0.0082	0.0033	-0.0160	0.0206	-0.0205
AT. 103 O	X	0.0018	0.0043	0.0006	-0.0063	-0.0067	0.0067
	Y	-0.0053	-0.0080	-0.0026	0.0144	0.0177	-0.0177
	Z	0.0061	0.0082	0.0033	-0.0160	-0.0206	0.0205
AT. 104 O	X	0.0018	-0.0043	-0.0006	-0.0063	0.0067	0.0067
	Y	-0.0053	0.0080	0.0026	0.0144	-0.0177	-0.0177
	Z	-0.0061	0.0082	0.0033	0.0160	-0.0206	-0.0205
AT. 105 O	X	0.0018	-0.0043	0.0006	-0.0063	0.0067	-0.0067
	Y	0.0053	-0.0080	0.0026	-0.0144	0.0177	-0.0177
	Z	-0.0061	0.0082	-0.0033	0.0160	-0.0206	0.0205
AT. 106 O	X	0.0018	0.0043	-0.0006	-0.0063	-0.0067	-0.0067
	Y	0.0053	0.0080	-0.0026	-0.0144	-0.0177	-0.0177
	Z	0.0061	0.0082	-0.0033	-0.0160	-0.0206	-0.0205
AT. 107 O	X	-0.0018	0.0043	-0.0006	-0.0063	0.0067	0.0067
	Y	0.0053	-0.0080	0.0026	0.0144	-0.0177	-0.0177
	Z	-0.0061	0.0082	-0.0033	-0.0160	0.0206	0.0205
AT. 108 O	X	-0.0018	-0.0043	0.0006	-0.0063	-0.0067	0.0067
	Y	0.0053	0.0080	-0.0026	0.0144	0.0177	-0.0177
	Z	0.0061	0.0082	-0.0033	0.0160	0.0206	-0.0205
AT. 109 O	X	-0.0039	-0.0110	0.0030	-0.0099	-0.0008	-0.0004
	Y	-0.0006	-0.0002	0.0002	-0.0006	-0.0009	-0.0009
	Z	0.0002	-0.0010	0.0003	-0.0002	0.0011	0.0011
AT. 110 O	X	-0.0039	0.0110	-0.0030	-0.0099	0.0008	-0.0004
	Y	-0.0006	0.0002	-0.0002	-0.0006	0.0009	-0.0009
	Z	-0.0002	-0.0010	0.0003	0.0002	0.0011	-0.0011
AT. 111 O	X	0.0039	0.0110	-0.0030	-0.0099	-0.0008	0.0004
	Y	-0.0006	-0.0002	0.0002	0.0006	0.0009	-0.0009
	Z	0.0002	-0.0010	0.0003	0.0002	-0.0011	0.0011
AT. 112 O	X	0.0039	-0.0110	0.0030	-0.0099	0.0008	0.0004
	Y	-0.0006	0.0002	-0.0002	0.0006	-0.0009	-0.0009
	Z	-0.0002	-0.0010	0.0003	-0.0002	-0.0011	-0.0011
AT. 113 O	X	0.0039	-0.0110	-0.0030	-0.0099	0.0008	-0.0004
	Y	0.0006	-0.0002	-0.0002	-0.0006	0.0009	-0.0009
	Z	-0.0002	-0.0010	-0.0003	-0.0002	-0.0011	0.0011
AT. 114 O	X	0.0039	0.0110	0.0030	-0.0099	-0.0008	-0.0004
	Y	0.0006	0.0002	0.0002	-0.0006	-0.0009	-0.0009
	Z	0.0002	-0.0010	-0.0003	0.0002	-0.0011	-0.0011
AT. 115 O	X	-0.0039	0.0110	0.0030	-0.0099	0.0008	0.0004
	Y	0.0006	-0.0002	-0.0002	0.0006	-0.0009	-0.0009
	Z	-0.0002	-0.0010	-0.0003	0.0002	0.0011	0.0011
AT. 116 O	X	-0.0039	-0.0110	-0.0030	-0.0099	-0.0008	0.0004
	Y	0.0006	0.0002	0.0002	0.0006	0.0009	-0.0009
	Z	0.0002	-0.0010	-0.0003	-0.0002	0.0011	-0.0011
AT. 117 O	X	0.0017	0.0007	0.0002	-0.0001	0.0044	0.0044
	Y	0.0024	0.0008	-0.0008	-0.0008	0.0045	0.0046
	Z	0.0020	0.0006	-0.0004	-0.0001	0.0056	0.0056
AT. 118 O	X	0.0017	-0.0007	-0.0002	-0.0001	-0.0044	0.0044
	Y	0.0024	-0.0008	0.0008	-0.0008	-0.0045	0.0046
	Z	-0.0020	0.0006	-0.0004	0.0001	0.0056	-0.0056
AT. 119 O	X	-0.0017	-0.0007	-0.0002	-0.0001	0.0044	-0.0044
	Y	0.0024	0.0008	-0.0008	0.0008	-0.0045	0.0046
	Z	0.0020	0.0006	-0.0004	0.0001	-0.0056	0.0056
AT. 120 O	X	-0.0017	0.0007	0.0002	-0.0001	-0.0044	-0.0044
	Y	0.0024	-0.0008	0.0008	0.0008	0.0045	0.0046
	Z	-0.0020	0.0006	-0.0004	-0.0001	-0.0056	-0.0056

AT. 121 O	X	-0.0017	0.0007	-0.0002	-0.0001	-0.0044	0.0044
	Y	-0.0024	0.0008	0.0008	-0.0008	-0.0045	0.0046
	Z	-0.0020	0.0006	0.0004	-0.0001	-0.0056	0.0056
AT. 122 O	X	-0.0017	-0.0007	0.0002	-0.0001	0.0044	0.0044
	Y	-0.0024	-0.0008	-0.0008	-0.0008	0.0045	0.0046
	Z	0.0020	0.0006	0.0004	0.0001	-0.0056	-0.0056
AT. 123 O	X	0.0017	-0.0007	0.0002	-0.0001	-0.0044	-0.0044
	Y	-0.0024	0.0008	0.0008	0.0008	0.0045	0.0046
	Z	-0.0020	0.0006	0.0004	0.0001	0.0056	0.0056
AT. 124 O	X	0.0017	0.0007	-0.0002	-0.0001	0.0044	-0.0044
	Y	-0.0024	-0.0008	-0.0008	0.0008	-0.0045	0.0046
	Z	0.0020	0.0006	0.0004	-0.0001	0.0056	-0.0056

FREQ(CM**-1)		894.22	896.00	900.16	905.56	907.17	907.91
AT. 1 SI	X	-0.0010	0.0006	-0.0014	-0.0025	-0.0009	0.0020
	Y	0.0009	0.0050	-0.0014	-0.0019	-0.0049	0.0014
	Z	0.0023	-0.0075	-0.0074	-0.0145	-0.0036	0.0125
AT. 2 SI	X	0.0010	-0.0006	-0.0014	0.0025	-0.0009	0.0020
	Y	-0.0009	-0.0050	-0.0014	0.0019	-0.0049	0.0014
	Z	0.0023	-0.0075	0.0074	-0.0145	0.0036	-0.0125
AT. 3 SI	X	0.0010	0.0006	-0.0014	-0.0025	0.0009	0.0020
	Y	0.0009	-0.0050	0.0014	0.0019	-0.0049	-0.0014
	Z	0.0023	0.0075	0.0074	0.0145	-0.0036	-0.0125
AT. 4 SI	X	-0.0010	-0.0006	-0.0014	0.0025	0.0009	0.0020
	Y	-0.0009	0.0050	0.0014	-0.0019	-0.0049	-0.0014
	Z	0.0023	0.0075	-0.0074	0.0145	0.0036	0.0125
AT. 5 SI	X	0.0010	0.0006	0.0014	0.0025	0.0009	-0.0020
	Y	-0.0009	0.0050	0.0014	0.0019	0.0049	-0.0014
	Z	-0.0023	-0.0075	0.0074	0.0145	0.0036	-0.0125
AT. 6 SI	X	-0.0010	-0.0006	0.0014	-0.0025	0.0009	-0.0020
	Y	0.0009	-0.0050	0.0014	-0.0019	0.0049	-0.0014
	Z	-0.0023	-0.0075	-0.0074	0.0145	-0.0036	0.0125
AT. 7 SI	X	-0.0010	0.0006	0.0014	0.0025	-0.0009	-0.0020
	Y	-0.0009	-0.0050	-0.0014	-0.0019	0.0049	0.0014
	Z	-0.0023	0.0075	-0.0074	-0.0145	0.0036	0.0125
AT. 8 SI	X	0.0010	-0.0006	0.0014	-0.0025	-0.0009	-0.0020
	Y	0.0009	0.0050	-0.0014	0.0019	0.0049	0.0014
	Z	-0.0023	0.0075	0.0074	-0.0145	-0.0036	-0.0125
AT. 9 SI	X	0.0027	0.0009	-0.0009	-0.0023	-0.0017	0.0022
	Y	0.0026	-0.0012	0.0071	0.0052	0.0023	-0.0019
	Z	0.0024	-0.0057	0.0024	0.0029	-0.0066	-0.0015
AT. 10 SI	X	-0.0027	-0.0009	-0.0009	0.0023	-0.0017	0.0022
	Y	-0.0026	0.0012	0.0071	-0.0052	0.0023	-0.0019
	Z	0.0024	-0.0057	-0.0024	0.0029	0.0066	0.0015
AT. 11 SI	X	-0.0027	0.0009	-0.0009	-0.0023	0.0017	0.0022
	Y	0.0026	0.0012	-0.0071	-0.0052	0.0023	0.0019
	Z	0.0024	0.0057	-0.0024	-0.0029	-0.0066	0.0015
AT. 12 SI	X	0.0027	-0.0009	-0.0009	0.0023	0.0017	0.0022
	Y	-0.0026	-0.0012	-0.0071	0.0052	0.0023	0.0019
	Z	0.0024	0.0057	0.0024	-0.0029	0.0066	-0.0015
AT. 13 SI	X	-0.0027	0.0009	0.0009	0.0023	0.0017	-0.0022
	Y	-0.0026	-0.0012	-0.0071	-0.0052	-0.0023	0.0019
	Z	-0.0024	-0.0057	-0.0024	-0.0029	0.0066	0.0015
AT. 14 SI	X	0.0027	-0.0009	0.0009	-0.0023	0.0017	-0.0022
	Y	0.0026	0.0012	-0.0071	0.0052	-0.0023	0.0019
	Z	-0.0024	-0.0057	0.0024	-0.0029	-0.0066	-0.0015
AT. 15 SI	X	0.0027	0.0009	0.0009	0.0023	-0.0017	-0.0022
	Y	-0.0026	0.0012	0.0071	0.0052	-0.0023	-0.0019
	Z	-0.0024	0.0057	0.0024	0.0029	0.0066	-0.0015
AT. 16 SI	X	-0.0027	-0.0009	0.0009	-0.0023	-0.0017	-0.0022

	Y	0.0026	-0.0012	0.0071	-0.0052	-0.0023	-0.0019
	Z	-0.0024	0.0057	-0.0024	0.0029	-0.0066	0.0015
AT. 17 SI	X	0.0097	0.0000	0.0109	0.0000	0.0000	0.0084
	Y	0.0000	0.0044	0.0000	0.0000	0.0041	0.0000
	Z	-0.0102	0.0000	-0.0063	0.0000	0.0000	-0.0042
AT. 18 SI	X	-0.0097	0.0000	0.0109	0.0000	0.0000	0.0084
	Y	0.0000	-0.0044	0.0000	0.0000	0.0041	0.0000
	Z	-0.0102	0.0000	0.0063	0.0000	0.0000	0.0042
AT. 19 SI	X	-0.0097	0.0000	-0.0109	0.0000	0.0000	-0.0084
	Y	0.0000	0.0044	0.0000	0.0000	-0.0041	0.0000
	Z	0.0102	0.0000	0.0063	0.0000	0.0000	0.0042
AT. 20 SI	X	0.0097	0.0000	-0.0109	0.0000	0.0000	-0.0084
	Y	0.0000	-0.0044	0.0000	0.0000	-0.0041	0.0000
	Z	0.0102	0.0000	-0.0063	0.0000	0.0000	-0.0042
AT. 21 CA	X	0.0001	0.0001	0.0000	-0.0001	0.0000	0.0001
	Y	0.0001	0.0002	0.0001	0.0001	0.0005	0.0000
	Z	0.0002	0.0009	-0.0006	-0.0015	0.0004	0.0014
AT. 22 CA	X	-0.0001	-0.0001	0.0000	0.0001	0.0000	0.0001
	Y	-0.0001	-0.0002	0.0001	-0.0001	0.0005	0.0000
	Z	0.0002	0.0009	0.0006	-0.0015	-0.0004	-0.0014
AT. 23 CA	X	-0.0001	0.0001	0.0000	-0.0001	0.0000	0.0001
	Y	0.0001	-0.0002	-0.0001	-0.0001	0.0005	0.0000
	Z	0.0002	-0.0009	0.0006	0.0015	0.0004	-0.0014
AT. 24 CA	X	0.0001	-0.0001	0.0000	0.0001	0.0000	0.0001
	Y	-0.0001	0.0002	-0.0001	0.0001	0.0005	0.0000
	Z	0.0002	-0.0009	-0.0006	0.0015	-0.0004	0.0014
AT. 25 CA	X	-0.0001	0.0001	0.0000	0.0001	0.0000	-0.0001
	Y	-0.0001	0.0002	-0.0001	-0.0001	-0.0005	0.0000
	Z	-0.0002	0.0009	0.0006	0.0015	-0.0004	-0.0014
AT. 26 CA	X	0.0001	-0.0001	0.0000	-0.0001	0.0000	-0.0001
	Y	0.0001	-0.0002	-0.0001	0.0001	-0.0005	0.0000
	Z	-0.0002	0.0009	-0.0006	0.0015	0.0004	0.0014
AT. 27 CA	X	0.0001	0.0001	0.0000	0.0001	0.0000	-0.0001
	Y	-0.0001	-0.0002	0.0001	0.0001	-0.0005	0.0000
	Z	-0.0002	-0.0009	-0.0006	-0.0015	-0.0004	0.0014
AT. 28 CA	X	-0.0001	-0.0001	0.0000	-0.0001	0.0000	-0.0001
	Y	0.0001	0.0002	0.0001	-0.0001	-0.0005	0.0000
	Z	-0.0002	-0.0009	0.0006	-0.0015	0.0004	-0.0014
AT. 29 CA	X	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000
	Y	0.0000	0.0011	0.0000	0.0000	0.0000	0.0000
	Z	0.0000	-0.0001	0.0000	0.0000	0.0000	0.0000
AT. 30 CA	X	0.0000	-0.0001	0.0000	0.0000	0.0000	0.0000
	Y	0.0000	-0.0011	0.0000	0.0000	0.0000	0.0000
	Z	0.0000	-0.0001	0.0000	0.0000	0.0000	0.0000
AT. 31 CA	X	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000
	Y	0.0000	-0.0011	0.0000	0.0000	0.0000	0.0000
	Z	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000
AT. 32 CA	X	0.0000	-0.0001	0.0000	0.0000	0.0000	0.0000
	Y	0.0000	0.0011	0.0000	0.0000	0.0000	0.0000
	Z	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000
AT. 33 CA	X	-0.0002	-0.0004	-0.0002	0.0000	-0.0002	-0.0001
	Y	-0.0001	-0.0003	-0.0001	0.0000	-0.0006	-0.0001
	Z	0.0006	0.0004	0.0000	-0.0006	0.0001	0.0007
AT. 34 CA	X	0.0002	0.0004	-0.0002	0.0000	-0.0002	-0.0001
	Y	0.0001	0.0003	-0.0001	0.0000	-0.0006	-0.0001
	Z	0.0006	0.0004	0.0000	-0.0006	-0.0001	-0.0007
AT. 35 CA	X	0.0002	-0.0004	-0.0002	0.0000	0.0002	-0.0001
	Y	-0.0001	0.0003	0.0001	0.0000	-0.0006	0.0001
	Z	0.0006	-0.0004	0.0000	0.0006	0.0001	-0.0007
AT. 36 CA	X	-0.0002	0.0004	-0.0002	0.0000	0.0002	-0.0001
	Y	0.0001	-0.0003	0.0001	0.0000	-0.0006	0.0001

		Z	0.0006	-0.0004	0.0000	0.0006	-0.0001	0.0007
AT.	37 CA	X	0.0002	-0.0004	0.0002	0.0000	0.0002	0.0001
		Y	0.0001	-0.0003	0.0001	0.0000	0.0006	0.0001
		Z	-0.0006	0.0004	0.0000	0.0006	-0.0001	-0.0007
AT.	38 CA	X	-0.0002	0.0004	0.0002	0.0000	0.0002	0.0001
		Y	-0.0001	0.0003	0.0001	0.0000	0.0006	0.0001
		Z	-0.0006	0.0004	0.0000	0.0006	0.0001	0.0007
AT.	39 CA	X	-0.0002	-0.0004	0.0002	0.0000	-0.0002	0.0001
		Y	0.0001	0.0003	-0.0001	0.0000	0.0006	-0.0001
		Z	-0.0006	-0.0004	0.0000	-0.0006	-0.0001	0.0007
AT.	40 CA	X	0.0002	0.0004	0.0002	0.0000	-0.0002	0.0001
		Y	-0.0001	-0.0003	-0.0001	0.0000	0.0006	-0.0001
		Z	-0.0006	-0.0004	0.0000	-0.0006	0.0001	-0.0007
AT.	41 CA	X	-0.0001	-0.0004	0.0002	-0.0003	-0.0004	0.0004
		Y	-0.0010	-0.0006	-0.0001	-0.0002	-0.0008	0.0001
		Z	-0.0002	0.0007	-0.0001	-0.0001	0.0011	0.0001
AT.	42 CA	X	0.0001	0.0004	0.0002	0.0003	-0.0004	0.0004
		Y	0.0010	0.0006	-0.0001	0.0002	-0.0008	0.0001
		Z	-0.0002	0.0007	0.0001	-0.0001	-0.0011	-0.0001
AT.	43 CA	X	0.0001	-0.0004	0.0002	-0.0003	0.0004	0.0004
		Y	-0.0010	0.0006	0.0001	0.0002	-0.0008	-0.0001
		Z	-0.0002	-0.0007	0.0001	0.0001	0.0011	-0.0001
AT.	44 CA	X	-0.0001	0.0004	0.0002	0.0003	0.0004	0.0004
		Y	0.0010	-0.0006	0.0001	-0.0002	-0.0008	-0.0001
		Z	-0.0002	-0.0007	-0.0001	0.0001	-0.0011	0.0001
AT.	45 CA	X	0.0001	-0.0004	-0.0002	0.0003	0.0004	-0.0004
		Y	0.0010	-0.0006	0.0001	0.0002	0.0008	-0.0001
		Z	0.0002	0.0007	0.0001	0.0001	-0.0011	-0.0001
AT.	46 CA	X	-0.0001	0.0004	-0.0002	-0.0003	0.0004	-0.0004
		Y	-0.0010	0.0006	0.0001	-0.0002	0.0008	-0.0001
		Z	0.0002	0.0007	-0.0001	0.0001	0.0011	0.0001
AT.	47 CA	X	-0.0001	-0.0004	-0.0002	0.0003	-0.0004	-0.0004
		Y	0.0010	0.0006	-0.0001	-0.0002	0.0008	0.0001
		Z	0.0002	-0.0007	-0.0001	-0.0001	-0.0011	0.0001
AT.	48 CA	X	0.0001	0.0004	-0.0002	-0.0003	-0.0004	-0.0004
		Y	-0.0010	-0.0006	-0.0001	0.0002	0.0008	0.0001
		Z	0.0002	-0.0007	0.0001	-0.0001	0.0011	-0.0001
AT.	49 CA	X	-0.0005	0.0000	-0.0005	0.0000	0.0000	-0.0003
		Y	0.0000	0.0009	0.0000	0.0001	0.0013	0.0000
		Z	-0.0009	0.0000	-0.0013	0.0000	0.0000	-0.0006
AT.	50 CA	X	0.0005	0.0000	-0.0005	0.0000	0.0000	-0.0003
		Y	0.0000	-0.0009	0.0000	-0.0001	0.0013	0.0000
		Z	-0.0009	0.0000	0.0013	0.0000	0.0000	0.0006
AT.	51 CA	X	0.0005	0.0000	0.0005	0.0000	0.0000	0.0003
		Y	0.0000	0.0009	0.0000	-0.0001	-0.0013	0.0000
		Z	0.0009	0.0000	0.0013	0.0000	0.0000	0.0006
AT.	52 CA	X	-0.0005	0.0000	0.0005	0.0000	0.0000	0.0003
		Y	0.0000	-0.0009	0.0000	0.0001	-0.0013	0.0000
		Z	0.0009	0.0000	-0.0013	0.0000	0.0000	-0.0006
AT.	53 O	X	-0.0002	-0.0017	0.0002	0.0002	0.0013	-0.0001
		Y	-0.0009	-0.0065	0.0005	0.0008	0.0045	-0.0006
		Z	-0.0005	0.0001	0.0010	0.0024	-0.0001	-0.0022
AT.	54 O	X	0.0002	0.0017	0.0002	-0.0002	0.0013	-0.0001
		Y	0.0009	0.0065	0.0005	-0.0008	0.0045	-0.0006
		Z	-0.0005	0.0001	-0.0010	0.0024	0.0001	0.0022
AT.	55 O	X	0.0002	-0.0017	0.0002	0.0002	-0.0013	-0.0001
		Y	-0.0009	0.0065	-0.0005	-0.0008	0.0045	0.0006
		Z	-0.0005	-0.0001	-0.0010	-0.0024	-0.0001	0.0022
AT.	56 O	X	-0.0002	0.0017	0.0002	-0.0002	-0.0013	-0.0001
		Y	0.0009	-0.0065	-0.0005	0.0008	0.0045	0.0006
		Z	-0.0005	-0.0001	0.0010	-0.0024	0.0001	-0.0022

AT.	57	O	X	0.0002	-0.0017	-0.0002	-0.0002	-0.0013	0.0001
			Y	0.0009	-0.0065	-0.0005	-0.0008	-0.0045	0.0006
			Z	0.0005	0.0001	-0.0010	-0.0024	0.0001	0.0022
AT.	58	O	X	-0.0002	0.0017	-0.0002	0.0002	-0.0013	0.0001
			Y	-0.0009	0.0065	-0.0005	0.0008	-0.0045	0.0006
			Z	0.0005	0.0001	0.0010	-0.0024	-0.0001	-0.0022
AT.	59	O	X	-0.0002	-0.0017	-0.0002	-0.0002	0.0013	0.0001
			Y	0.0009	0.0065	0.0005	0.0008	-0.0045	-0.0006
			Z	0.0005	-0.0001	0.0010	0.0024	0.0001	-0.0022
AT.	60	O	X	0.0002	0.0017	-0.0002	0.0002	0.0013	0.0001
			Y	-0.0009	-0.0065	0.0005	-0.0008	-0.0045	-0.0006
			Z	0.0005	-0.0001	-0.0010	0.0024	-0.0001	0.0022
AT.	61	O	X	0.0008	-0.0015	-0.0026	-0.0048	-0.0021	0.0040
			Y	-0.0011	0.0021	0.0043	0.0075	0.0044	-0.0061
			Z	-0.0022	0.0049	0.0075	0.0145	0.0049	-0.0123
AT.	62	O	X	-0.0008	0.0015	-0.0026	0.0048	-0.0021	0.0040
			Y	0.0011	-0.0021	0.0043	-0.0075	0.0044	-0.0061
			Z	-0.0022	0.0049	-0.0075	0.0145	-0.0049	0.0123
AT.	63	O	X	-0.0008	-0.0015	-0.0026	-0.0048	0.0021	0.0040
			Y	-0.0011	-0.0021	-0.0043	-0.0075	0.0044	0.0061
			Z	-0.0022	-0.0049	-0.0075	-0.0145	0.0049	0.0123
AT.	64	O	X	0.0008	0.0015	-0.0026	0.0048	0.0021	0.0040
			Y	0.0011	0.0021	-0.0043	0.0075	0.0044	0.0061
			Z	-0.0022	-0.0049	0.0075	-0.0145	-0.0049	-0.0123
AT.	65	O	X	-0.0008	-0.0015	0.0026	0.0048	0.0021	-0.0040
			Y	0.0011	0.0021	-0.0043	-0.0075	-0.0044	0.0061
			Z	0.0022	0.0049	-0.0075	-0.0145	-0.0049	0.0123
AT.	66	O	X	0.0008	0.0015	0.0026	-0.0048	0.0021	-0.0040
			Y	-0.0011	-0.0021	-0.0043	0.0075	-0.0044	0.0061
			Z	0.0022	0.0049	0.0075	-0.0145	0.0049	-0.0123
AT.	67	O	X	0.0008	-0.0015	0.0026	0.0048	-0.0021	-0.0040
			Y	0.0011	-0.0021	0.0043	0.0075	-0.0044	-0.0061
			Z	0.0022	-0.0049	0.0075	0.0145	-0.0049	-0.0123
AT.	68	O	X	-0.0008	0.0015	0.0026	-0.0048	-0.0021	-0.0040
			Y	-0.0011	0.0021	0.0043	-0.0075	-0.0044	-0.0061
			Z	0.0022	-0.0049	-0.0075	0.0145	0.0049	0.0123
AT.	69	O	X	-0.0005	0.0028	0.0019	0.0038	0.0002	-0.0033
			Y	0.0004	-0.0052	-0.0024	-0.0050	0.0007	0.0044
			Z	-0.0016	0.0079	0.0050	0.0103	0.0016	-0.0089
AT.	70	O	X	0.0005	-0.0028	0.0019	-0.0038	0.0002	-0.0033
			Y	-0.0004	0.0052	-0.0024	0.0050	0.0007	0.0044
			Z	-0.0016	0.0079	-0.0050	0.0103	-0.0016	0.0089
AT.	71	O	X	0.0005	0.0028	0.0019	0.0038	-0.0002	-0.0033
			Y	0.0004	0.0052	0.0024	0.0050	0.0007	-0.0044
			Z	-0.0016	-0.0079	-0.0050	-0.0103	0.0016	0.0089
AT.	72	O	X	-0.0005	-0.0028	0.0019	-0.0038	-0.0002	-0.0033
			Y	-0.0004	-0.0052	0.0024	-0.0050	0.0007	-0.0044
			Z	-0.0016	-0.0079	0.0050	-0.0103	-0.0016	-0.0089
AT.	73	O	X	0.0005	0.0028	-0.0019	-0.0038	-0.0002	0.0033
			Y	-0.0004	-0.0052	0.0024	0.0050	-0.0007	-0.0044
			Z	0.0016	0.0079	-0.0050	-0.0103	-0.0016	0.0089
AT.	74	O	X	-0.0005	-0.0028	-0.0019	0.0038	-0.0002	0.0033
			Y	0.0004	0.0052	0.0024	-0.0050	-0.0007	-0.0044
			Z	0.0016	0.0079	0.0050	-0.0103	0.0016	-0.0089
AT.	75	O	X	-0.0005	0.0028	-0.0019	-0.0038	0.0002	0.0033
			Y	-0.0004	0.0052	-0.0024	-0.0050	-0.0007	0.0044
			Z	0.0016	-0.0079	0.0050	0.0103	-0.0016	-0.0089
AT.	76	O	X	0.0005	-0.0028	-0.0019	0.0038	0.0002	0.0033
			Y	0.0004	-0.0052	-0.0024	0.0050	-0.0007	0.0044
			Z	0.0016	-0.0079	-0.0050	0.0103	0.0016	0.0089
AT.	77	O	X	0.0016	-0.0003	0.0031	0.0051	0.0018	-0.0042

		Y	-0.0003	-0.0012	0.0002	0.0001	0.0014	0.0000
		Z	-0.0005	0.0011	0.0014	0.0029	0.0005	-0.0026
AT.	78 O	X	-0.0016	0.0003	0.0031	-0.0051	0.0018	-0.0042
		Y	0.0003	0.0012	0.0002	-0.0001	0.0014	0.0000
		Z	-0.0005	0.0011	-0.0014	0.0029	-0.0005	0.0026
AT.	79 O	X	-0.0016	-0.0003	0.0031	0.0051	-0.0018	-0.0042
		Y	-0.0003	0.0012	-0.0002	-0.0001	0.0014	0.0000
		Z	-0.0005	-0.0011	-0.0014	-0.0029	0.0005	0.0026
AT.	80 O	X	0.0016	0.0003	0.0031	-0.0051	-0.0018	-0.0042
		Y	0.0003	-0.0012	-0.0002	0.0001	0.0014	0.0000
		Z	-0.0005	-0.0011	0.0014	-0.0029	-0.0005	-0.0026
AT.	81 O	X	-0.0016	-0.0003	-0.0031	-0.0051	-0.0018	0.0042
		Y	0.0003	-0.0012	-0.0002	-0.0001	-0.0014	0.0000
		Z	0.0005	0.0011	-0.0014	-0.0029	-0.0005	0.0026
AT.	82 O	X	0.0016	0.0003	-0.0031	0.0051	-0.0018	0.0042
		Y	-0.0003	0.0012	-0.0002	0.0001	-0.0014	0.0000
		Z	0.0005	0.0011	0.0014	-0.0029	0.0005	-0.0026
AT.	83 O	X	0.0016	-0.0003	-0.0031	-0.0051	0.0018	0.0042
		Y	0.0003	0.0012	0.0002	0.0001	-0.0014	0.0000
		Z	0.0005	-0.0011	0.0014	0.0029	-0.0005	-0.0026
AT.	84 O	X	-0.0016	0.0003	-0.0031	0.0051	0.0018	0.0042
		Y	-0.0003	-0.0012	0.0002	-0.0001	-0.0014	0.0000
		Z	0.0005	-0.0011	-0.0014	0.0029	0.0005	0.0026
AT.	85 O	X	0.0038	-0.0013	0.0039	0.0020	-0.0009	0.0001
		Y	-0.0053	0.0010	-0.0051	-0.0024	0.0004	-0.0005
		Z	-0.0113	0.0002	-0.0098	-0.0027	0.0012	-0.0032
AT.	86 O	X	-0.0038	0.0013	0.0039	-0.0020	-0.0009	0.0001
		Y	0.0053	-0.0010	-0.0051	0.0024	0.0004	-0.0005
		Z	-0.0113	0.0002	0.0098	-0.0027	-0.0012	0.0032
AT.	87 O	X	-0.0038	-0.0013	0.0039	0.0020	0.0009	0.0001
		Y	-0.0053	-0.0010	0.0051	0.0024	0.0004	0.0005
		Z	-0.0113	-0.0002	0.0098	0.0027	0.0012	0.0032
AT.	88 O	X	0.0038	0.0013	0.0039	-0.0020	0.0009	0.0001
		Y	0.0053	0.0010	0.0051	-0.0024	0.0004	0.0005
		Z	-0.0113	-0.0002	-0.0098	0.0027	-0.0012	-0.0032
AT.	89 O	X	-0.0038	-0.0013	-0.0039	-0.0020	0.0009	-0.0001
		Y	0.0053	0.0010	0.0051	0.0024	-0.0004	0.0005
		Z	0.0113	0.0002	0.0098	0.0027	-0.0012	0.0032
AT.	90 O	X	0.0038	0.0013	-0.0039	0.0020	0.0009	-0.0001
		Y	-0.0053	-0.0010	0.0051	-0.0024	-0.0004	0.0005
		Z	0.0113	0.0002	-0.0098	0.0027	0.0012	-0.0032
AT.	91 O	X	0.0038	-0.0013	-0.0039	-0.0020	-0.0009	-0.0001
		Y	0.0053	-0.0010	-0.0051	-0.0024	-0.0004	-0.0005
		Z	0.0113	-0.0002	-0.0098	-0.0027	-0.0012	-0.0032
AT.	92 O	X	-0.0038	0.0013	-0.0039	0.0020	-0.0009	-0.0001
		Y	-0.0053	0.0010	-0.0051	0.0024	-0.0004	-0.0005
		Z	0.0113	-0.0002	0.0098	-0.0027	0.0012	0.0032
AT.	93 O	X	0.0014	0.0022	-0.0020	-0.0030	0.0002	0.0024
		Y	0.0065	0.0078	-0.0023	-0.0069	0.0032	0.0071
		Z	-0.0008	-0.0003	-0.0010	-0.0009	-0.0005	0.0003
AT.	94 O	X	-0.0014	-0.0022	-0.0020	0.0030	0.0002	0.0024
		Y	-0.0065	-0.0078	-0.0023	0.0069	0.0032	0.0071
		Z	-0.0008	-0.0003	0.0010	-0.0009	0.0005	-0.0003
AT.	95 O	X	-0.0014	0.0022	-0.0020	-0.0030	-0.0002	0.0024
		Y	0.0065	-0.0078	0.0023	0.0069	0.0032	-0.0071
		Z	-0.0008	0.0003	0.0010	0.0009	-0.0005	-0.0003
AT.	96 O	X	0.0014	-0.0022	-0.0020	0.0030	-0.0002	0.0024
		Y	-0.0065	0.0078	0.0023	-0.0069	0.0032	-0.0071
		Z	-0.0008	0.0003	-0.0010	0.0009	0.0005	0.0003
AT.	97 O	X	-0.0014	0.0022	0.0020	0.0030	-0.0002	-0.0024
		Y	-0.0065	0.0078	0.0023	0.0069	-0.0032	-0.0071

	Z	0.0008	-0.0003	0.0010	0.0009	0.0005	-0.0003
AT. 98 O	X	0.0014	-0.0022	0.0020	-0.0030	-0.0002	-0.0024
	Y	0.0065	-0.0078	0.0023	-0.0069	-0.0032	-0.0071
	Z	0.0008	-0.0003	-0.0010	0.0009	-0.0005	0.0003
AT. 99 O	X	0.0014	0.0022	0.0020	0.0030	0.0002	-0.0024
	Y	-0.0065	-0.0078	-0.0023	-0.0069	-0.0032	0.0071
	Z	0.0008	0.0003	-0.0010	-0.0009	0.0005	0.0003
AT. 100 O	X	-0.0014	-0.0022	0.0020	-0.0030	0.0002	-0.0024
	Y	0.0065	0.0078	-0.0023	0.0069	-0.0032	0.0071
	Z	0.0008	0.0003	0.0010	-0.0009	-0.0005	-0.0003
AT. 101 O	X	-0.0063	-0.0053	-0.0052	0.0002	-0.0057	-0.0040
	Y	-0.0141	-0.0139	-0.0126	0.0002	-0.0161	-0.0083
	Z	0.0157	0.0159	0.0148	-0.0006	0.0183	0.0099
AT. 102 O	X	0.0063	0.0053	-0.0052	-0.0002	-0.0057	-0.0040
	Y	0.0141	0.0139	-0.0126	-0.0002	-0.0161	-0.0083
	Z	0.0157	0.0159	-0.0148	-0.0006	-0.0183	-0.0099
AT. 103 O	X	0.0063	-0.0053	-0.0052	0.0002	0.0057	-0.0040
	Y	-0.0141	0.0139	0.0126	-0.0002	-0.0161	0.0083
	Z	0.0157	-0.0159	-0.0148	0.0006	0.0183	-0.0099
AT. 104 O	X	-0.0063	0.0053	-0.0052	-0.0002	0.0057	-0.0040
	Y	0.0141	-0.0139	0.0126	0.0002	-0.0161	0.0083
	Z	0.0157	-0.0159	0.0148	0.0006	-0.0183	0.0099
AT. 105 O	X	0.0063	-0.0053	0.0052	-0.0002	0.0057	0.0040
	Y	0.0141	-0.0139	0.0126	-0.0002	0.0161	0.0083
	Z	-0.0157	0.0159	-0.0148	0.0006	-0.0183	-0.0099
AT. 106 O	X	-0.0063	0.0053	0.0052	0.0002	0.0057	0.0040
	Y	-0.0141	0.0139	0.0126	0.0002	0.0161	0.0083
	Z	-0.0157	0.0159	0.0148	0.0006	0.0183	0.0099
AT. 107 O	X	-0.0063	-0.0053	0.0052	-0.0002	-0.0057	0.0040
	Y	0.0141	0.0139	-0.0126	0.0002	0.0161	-0.0083
	Z	-0.0157	-0.0159	0.0148	-0.0006	-0.0183	0.0099
AT. 108 O	X	0.0063	0.0053	0.0052	0.0002	-0.0057	0.0040
	Y	-0.0141	-0.0139	-0.0126	-0.0002	0.0161	-0.0083
	Z	-0.0157	-0.0159	-0.0148	-0.0006	0.0183	-0.0099
AT. 109 O	X	-0.0106	-0.0044	-0.0013	0.0048	0.0011	-0.0066
	Y	-0.0005	-0.0005	-0.0004	-0.0004	-0.0009	0.0002
	Z	-0.0003	0.0007	0.0002	-0.0003	0.0014	0.0004
AT. 110 O	X	0.0106	0.0044	-0.0013	-0.0048	0.0011	-0.0066
	Y	0.0005	0.0005	-0.0004	0.0004	-0.0009	0.0002
	Z	-0.0003	0.0007	-0.0002	-0.0003	-0.0014	-0.0004
AT. 111 O	X	0.0106	-0.0044	-0.0013	0.0048	-0.0011	-0.0066
	Y	-0.0005	0.0005	0.0004	0.0004	-0.0009	-0.0002
	Z	-0.0003	-0.0007	-0.0002	0.0003	0.0014	-0.0004
AT. 112 O	X	-0.0106	0.0044	-0.0013	-0.0048	-0.0011	-0.0066
	Y	0.0005	-0.0005	0.0004	-0.0004	-0.0009	-0.0002
	Z	-0.0003	-0.0007	0.0002	0.0003	-0.0014	0.0004
AT. 113 O	X	0.0106	-0.0044	0.0013	-0.0048	-0.0011	0.0066
	Y	0.0005	-0.0005	0.0004	0.0004	0.0009	-0.0002
	Z	0.0003	0.0007	-0.0002	0.0003	-0.0014	-0.0004
AT. 114 O	X	-0.0106	0.0044	0.0013	0.0048	-0.0011	0.0066
	Y	-0.0005	0.0005	0.0004	-0.0004	0.0009	-0.0002
	Z	0.0003	0.0007	0.0002	0.0003	0.0014	0.0004
AT. 115 O	X	-0.0106	-0.0044	0.0013	-0.0048	0.0011	0.0066
	Y	0.0005	0.0005	-0.0004	-0.0004	0.0009	0.0002
	Z	0.0003	-0.0007	0.0002	-0.0003	-0.0014	0.0004
AT. 116 O	X	0.0106	0.0044	0.0013	0.0048	0.0011	0.0066
	Y	-0.0005	-0.0005	-0.0004	0.0004	0.0009	0.0002
	Z	0.0003	-0.0007	-0.0002	-0.0003	0.0014	-0.0004
AT. 117 O	X	-0.0002	0.0052	-0.0025	-0.0009	0.0067	-0.0020
	Y	-0.0008	0.0044	-0.0029	0.0000	0.0053	-0.0026
	Z	-0.0001	0.0063	-0.0017	-0.0011	0.0080	-0.0014

AT. 118 O	X	0.0002	-0.0052	-0.0025	0.0009	0.0067	-0.0020
	Y	0.0008	-0.0044	-0.0029	0.0000	0.0053	-0.0026
	Z	-0.0001	0.0063	0.0017	-0.0011	-0.0080	0.0014
AT. 119 O	X	0.0002	0.0052	-0.0025	-0.0009	-0.0067	-0.0020
	Y	-0.0008	-0.0044	0.0029	0.0000	0.0053	0.0026
	Z	-0.0001	-0.0063	0.0017	0.0011	0.0080	0.0014
AT. 120 O	X	-0.0002	-0.0052	-0.0025	0.0009	-0.0067	-0.0020
	Y	0.0008	0.0044	0.0029	0.0000	0.0053	0.0026
	Z	-0.0001	-0.0063	-0.0017	0.0011	-0.0080	-0.0014
AT. 121 O	X	0.0002	0.0052	0.0025	0.0009	-0.0067	0.0020
	Y	0.0008	0.0044	0.0029	0.0000	-0.0053	0.0026
	Z	0.0001	0.0063	0.0017	0.0011	-0.0080	0.0014
AT. 122 O	X	-0.0002	-0.0052	0.0025	-0.0009	-0.0067	0.0020
	Y	-0.0008	-0.0044	0.0029	0.0000	-0.0053	0.0026
	Z	0.0001	0.0063	-0.0017	0.0011	0.0080	-0.0014
AT. 123 O	X	-0.0002	0.0052	0.0025	0.0009	0.0067	0.0020
	Y	0.0008	-0.0044	-0.0029	0.0000	-0.0053	-0.0026
	Z	0.0001	-0.0063	-0.0017	-0.0011	-0.0080	-0.0014
AT. 124 O	X	0.0002	-0.0052	0.0025	-0.0009	0.0067	0.0020
	Y	-0.0008	0.0044	-0.0029	0.0000	-0.0053	-0.0026
	Z	0.0001	-0.0063	0.0017	-0.0011	0.0080	0.0014

FREQ(CM**-1)	908.47	909.46	919.54	925.03	928.70	928.77
AT. 1 SI X	-0.0024	-0.0028	-0.0051	0.0121	-0.0159	0.0133
Y	-0.0005	-0.0100	-0.0089	-0.0002	0.0020	-0.0007
Z	0.0082	0.0103	0.0074	-0.0083	0.0006	-0.0010
AT. 2 SI X	0.0024	-0.0028	0.0051	0.0121	-0.0159	-0.0133
Y	0.0005	-0.0100	0.0089	-0.0002	0.0020	0.0007
Z	0.0082	-0.0103	0.0074	0.0083	-0.0006	-0.0010
AT. 3 SI X	0.0024	-0.0028	-0.0051	-0.0121	-0.0159	-0.0133
Y	-0.0005	0.0100	0.0089	-0.0002	-0.0020	-0.0007
Z	0.0082	-0.0103	-0.0074	-0.0083	-0.0006	-0.0010
AT. 4 SI X	-0.0024	-0.0028	0.0051	-0.0121	-0.0159	0.0133
Y	0.0005	0.0100	-0.0089	-0.0002	-0.0020	0.0007
Z	0.0082	0.0103	-0.0074	0.0083	0.0006	-0.0010
AT. 5 SI X	-0.0024	-0.0028	-0.0051	0.0121	0.0159	0.0133
Y	-0.0005	-0.0100	-0.0089	-0.0002	-0.0020	-0.0007
Z	0.0082	0.0103	0.0074	-0.0083	-0.0006	-0.0010
AT. 6 SI X	0.0024	-0.0028	0.0051	0.0121	0.0159	-0.0133
Y	0.0005	-0.0100	0.0089	-0.0002	-0.0020	0.0007
Z	0.0082	-0.0103	0.0074	0.0083	0.0006	-0.0010
AT. 7 SI X	0.0024	-0.0028	-0.0051	-0.0121	0.0159	-0.0133
Y	-0.0005	0.0100	0.0089	-0.0002	0.0020	-0.0007
Z	0.0082	-0.0103	-0.0074	-0.0083	0.0006	-0.0010
AT. 8 SI X	-0.0024	-0.0028	0.0051	-0.0121	0.0159	0.0133
Y	0.0005	0.0100	-0.0089	-0.0002	0.0020	0.0007
Z	0.0082	0.0103	-0.0074	0.0083	-0.0006	-0.0010
AT. 9 SI X	-0.0007	-0.0034	-0.0040	-0.0023	0.0012	-0.0025
Y	0.0066	0.0054	0.0036	0.0052	-0.0024	0.0075
Z	0.0017	0.0014	-0.0035	0.0041	-0.0016	0.0050
AT. 10 SI X	0.0007	-0.0034	0.0040	-0.0023	0.0012	0.0025
Y	-0.0066	0.0054	-0.0036	0.0052	-0.0024	-0.0075
Z	0.0017	-0.0014	-0.0035	-0.0041	0.0016	0.0050
AT. 11 SI X	0.0007	-0.0034	-0.0040	0.0023	0.0012	0.0025
Y	0.0066	-0.0054	-0.0036	0.0052	0.0024	0.0075
Z	0.0017	-0.0014	0.0035	0.0041	0.0016	0.0050
AT. 12 SI X	-0.0007	-0.0034	0.0040	0.0023	0.0012	-0.0025
Y	-0.0066	-0.0054	0.0036	0.0052	0.0024	-0.0075
Z	0.0017	0.0014	0.0035	-0.0041	-0.0016	0.0050
AT. 13 SI X	-0.0007	-0.0034	-0.0040	-0.0023	-0.0012	-0.0025

	Y	0.0066	0.0054	0.0036	0.0052	0.0024	0.0075
	Z	0.0017	0.0014	-0.0035	0.0041	0.0016	0.0050
AT. 14 SI	X	0.0007	-0.0034	0.0040	-0.0023	-0.0012	0.0025
	Y	-0.0066	0.0054	-0.0036	0.0052	0.0024	-0.0075
	Z	0.0017	-0.0014	-0.0035	-0.0041	-0.0016	0.0050
AT. 15 SI	X	0.0007	-0.0034	-0.0040	0.0023	-0.0012	0.0025
	Y	0.0066	-0.0054	-0.0036	0.0052	-0.0024	0.0075
	Z	0.0017	-0.0014	0.0035	0.0041	-0.0016	0.0050
AT. 16 SI	X	-0.0007	-0.0034	0.0040	0.0023	-0.0012	-0.0025
	Y	-0.0066	-0.0054	0.0036	0.0052	-0.0024	-0.0075
	Z	0.0017	0.0014	0.0035	-0.0041	0.0016	0.0050
AT. 17 SI	X	0.0120	-0.0028	0.0000	0.0000	0.0009	-0.0014
	Y	0.0000	0.0000	0.0010	-0.0005	0.0000	0.0000
	Z	-0.0042	-0.0001	0.0000	0.0000	0.0000	0.0008
AT. 18 SI	X	-0.0120	-0.0028	0.0000	0.0000	0.0009	0.0014
	Y	0.0000	0.0000	-0.0010	-0.0005	0.0000	0.0000
	Z	-0.0042	0.0001	0.0000	0.0000	0.0000	0.0008
AT. 19 SI	X	0.0120	-0.0028	0.0000	0.0000	-0.0009	-0.0014
	Y	0.0000	0.0000	0.0010	-0.0005	0.0000	0.0000
	Z	-0.0042	-0.0001	0.0000	0.0000	0.0000	0.0008
AT. 20 SI	X	-0.0120	-0.0028	0.0000	0.0000	-0.0009	0.0014
	Y	0.0000	0.0000	-0.0010	-0.0005	0.0000	0.0000
	Z	-0.0042	0.0001	0.0000	0.0000	0.0000	0.0008
AT. 21 CA	X	0.0000	-0.0001	0.0000	0.0003	-0.0003	0.0003
	Y	0.0001	0.0000	0.0000	-0.0001	0.0000	-0.0001
	Z	0.0008	-0.0010	-0.0006	-0.0009	0.0002	-0.0002
AT. 22 CA	X	0.0000	-0.0001	0.0000	0.0003	-0.0003	-0.0003
	Y	-0.0001	0.0000	0.0000	-0.0001	0.0000	0.0001
	Z	0.0008	0.0010	-0.0006	0.0009	-0.0002	-0.0002
AT. 23 CA	X	0.0000	-0.0001	0.0000	-0.0003	-0.0003	-0.0003
	Y	0.0001	0.0000	0.0000	-0.0001	0.0000	-0.0001
	Z	0.0008	0.0010	0.0006	-0.0009	-0.0002	-0.0002
AT. 24 CA	X	0.0000	-0.0001	0.0000	-0.0003	-0.0003	0.0003
	Y	-0.0001	0.0000	0.0000	-0.0001	0.0000	0.0001
	Z	0.0008	-0.0010	0.0006	0.0009	0.0002	-0.0002
AT. 25 CA	X	0.0000	-0.0001	0.0000	0.0003	0.0003	0.0003
	Y	0.0001	0.0000	0.0000	-0.0001	0.0000	-0.0001
	Z	0.0008	-0.0010	-0.0006	-0.0009	-0.0002	-0.0002
AT. 26 CA	X	0.0000	-0.0001	0.0000	0.0003	0.0003	-0.0003
	Y	-0.0001	0.0000	0.0000	-0.0001	0.0000	0.0001
	Z	0.0008	0.0010	-0.0006	0.0009	0.0002	-0.0002
AT. 27 CA	X	0.0000	-0.0001	0.0000	-0.0003	0.0003	-0.0003
	Y	0.0001	0.0000	0.0000	-0.0001	0.0000	-0.0001
	Z	0.0008	0.0010	0.0006	-0.0009	0.0002	-0.0002
AT. 28 CA	X	0.0000	-0.0001	0.0000	-0.0003	0.0003	0.0003
	Y	-0.0001	0.0000	0.0000	-0.0001	0.0000	0.0001
	Z	0.0008	-0.0010	0.0006	0.0009	-0.0002	-0.0002
AT. 29 CA	X	0.0000	0.0000	0.0002	-0.0005	0.0000	-0.0007
	Y	-0.0002	-0.0018	-0.0015	0.0002	0.0000	0.0000
	Z	0.0006	0.0006	0.0006	-0.0009	0.0000	-0.0002
AT. 30 CA	X	0.0000	0.0000	-0.0002	-0.0005	0.0000	0.0007
	Y	0.0002	-0.0018	0.0015	0.0002	0.0000	0.0000
	Z	0.0006	-0.0006	0.0006	0.0009	0.0000	-0.0002
AT. 31 CA	X	0.0000	0.0000	0.0002	0.0005	0.0000	0.0007
	Y	-0.0002	0.0018	0.0015	0.0002	0.0000	0.0000
	Z	0.0006	-0.0006	-0.0006	-0.0009	0.0000	-0.0002
AT. 32 CA	X	0.0000	0.0000	-0.0002	0.0005	0.0000	-0.0007
	Y	0.0002	0.0018	-0.0015	0.0002	0.0000	0.0000
	Z	0.0006	0.0006	-0.0006	0.0009	0.0000	-0.0002
AT. 33 CA	X	0.0000	0.0004	0.0003	-0.0003	0.0003	-0.0003
	Y	0.0000	-0.0001	-0.0004	0.0001	-0.0001	0.0002

		Z	0.0004	-0.0002	0.0000	-0.0001	0.0001	0.0001
AT.	34	CA X	0.0000	0.0004	-0.0003	-0.0003	0.0003	0.0003
		Y	0.0000	-0.0001	0.0004	0.0001	-0.0001	-0.0002
		Z	0.0004	0.0002	0.0000	0.0001	-0.0001	0.0001
AT.	35	CA X	0.0000	0.0004	0.0003	0.0003	0.0003	0.0003
		Y	0.0000	0.0001	0.0004	0.0001	0.0001	0.0002
		Z	0.0004	0.0002	0.0000	-0.0001	-0.0001	0.0001
AT.	36	CA X	0.0000	0.0004	-0.0003	0.0003	0.0003	-0.0003
		Y	0.0000	0.0001	-0.0004	0.0001	0.0001	-0.0002
		Z	0.0004	-0.0002	0.0000	0.0001	0.0001	0.0001
AT.	37	CA X	0.0000	0.0004	0.0003	-0.0003	-0.0003	-0.0003
		Y	0.0000	-0.0001	-0.0004	0.0001	0.0001	0.0002
		Z	0.0004	-0.0002	0.0000	-0.0001	-0.0001	0.0001
AT.	38	CA X	0.0000	0.0004	-0.0003	-0.0003	-0.0003	0.0003
		Y	0.0000	-0.0001	0.0004	0.0001	0.0001	-0.0002
		Z	0.0004	0.0002	0.0000	0.0001	0.0001	0.0001
AT.	39	CA X	0.0000	0.0004	0.0003	0.0003	-0.0003	0.0003
		Y	0.0000	0.0001	0.0004	0.0001	-0.0001	0.0002
		Z	0.0004	0.0002	0.0000	-0.0001	0.0001	0.0001
AT.	40	CA X	0.0000	0.0004	-0.0003	0.0003	-0.0003	-0.0003
		Y	0.0000	0.0001	-0.0004	0.0001	-0.0001	-0.0002
		Z	0.0004	-0.0002	0.0000	0.0001	-0.0001	0.0001
AT.	41	CA X	0.0003	0.0002	-0.0002	-0.0001	0.0000	-0.0001
		Y	-0.0001	-0.0001	-0.0006	-0.0002	0.0001	-0.0003
		Z	-0.0001	0.0002	0.0009	0.0001	0.0001	0.0001
AT.	42	CA X	-0.0003	0.0002	0.0002	-0.0001	0.0000	0.0001
		Y	0.0001	-0.0001	0.0006	-0.0002	0.0001	0.0003
		Z	-0.0001	-0.0002	0.0009	-0.0001	-0.0001	0.0001
AT.	43	CA X	-0.0003	0.0002	-0.0002	0.0001	0.0000	0.0001
		Y	-0.0001	0.0001	0.0006	-0.0002	-0.0001	-0.0003
		Z	-0.0001	-0.0002	-0.0009	0.0001	-0.0001	0.0001
AT.	44	CA X	0.0003	0.0002	0.0002	0.0001	0.0000	-0.0001
		Y	0.0001	0.0001	-0.0006	-0.0002	-0.0001	0.0003
		Z	-0.0001	0.0002	-0.0009	-0.0001	0.0001	0.0001
AT.	45	CA X	0.0003	0.0002	-0.0002	-0.0001	0.0000	-0.0001
		Y	-0.0001	-0.0001	-0.0006	-0.0002	-0.0001	-0.0003
		Z	-0.0001	0.0002	0.0009	0.0001	-0.0001	0.0001
AT.	46	CA X	-0.0003	0.0002	0.0002	-0.0001	0.0000	0.0001
		Y	0.0001	-0.0001	0.0006	-0.0002	-0.0001	0.0003
		Z	-0.0001	-0.0002	0.0009	-0.0001	0.0001	0.0001
AT.	47	CA X	-0.0003	0.0002	-0.0002	0.0001	0.0000	0.0001
		Y	-0.0001	0.0001	0.0006	-0.0002	0.0001	-0.0003
		Z	-0.0001	-0.0002	-0.0009	0.0001	0.0001	0.0001
AT.	48	CA X	0.0003	0.0002	0.0002	0.0001	0.0000	-0.0001
		Y	0.0001	0.0001	-0.0006	-0.0002	0.0001	0.0003
		Z	-0.0001	0.0002	-0.0009	-0.0001	-0.0001	0.0001
AT.	49	CA X	-0.0005	0.0001	0.0000	0.0000	0.0000	0.0000
		Y	0.0000	0.0000	0.0010	0.0001	0.0000	0.0000
		Z	-0.0014	-0.0003	0.0000	0.0000	0.0001	-0.0002
AT.	50	CA X	0.0005	0.0001	0.0000	0.0000	0.0000	0.0000
		Y	0.0000	0.0000	-0.0010	0.0001	0.0000	0.0000
		Z	-0.0014	0.0003	0.0000	0.0000	-0.0001	-0.0002
AT.	51	CA X	-0.0005	0.0001	0.0000	0.0000	0.0000	0.0000
		Y	0.0000	0.0000	0.0010	0.0001	0.0000	0.0000
		Z	-0.0014	-0.0003	0.0000	0.0000	-0.0001	-0.0002
AT.	52	CA X	0.0005	0.0001	0.0000	0.0000	0.0000	0.0000
		Y	0.0000	0.0000	-0.0010	0.0001	0.0000	0.0000
		Z	-0.0014	0.0003	0.0000	0.0000	0.0001	-0.0002
AT.	53	O X	0.0005	0.0033	0.0031	-0.0013	0.0013	-0.0014
		Y	0.0016	0.0125	0.0118	-0.0046	0.0038	-0.0040
		Z	-0.0014	-0.0009	-0.0010	0.0016	-0.0005	0.0003

AT.	54	O	X	-0.0005	0.0033	-0.0031	-0.0013	0.0013	0.0014
			Y	-0.0016	0.0125	-0.0118	-0.0046	0.0038	0.0040
			Z	-0.0014	0.0009	-0.0010	-0.0016	0.0005	0.0003
AT.	55	O	X	-0.0005	0.0033	0.0031	0.0013	0.0013	0.0014
			Y	0.0016	-0.0125	-0.0118	-0.0046	-0.0038	-0.0040
			Z	-0.0014	0.0009	0.0010	0.0016	0.0005	0.0003
AT.	56	O	X	0.0005	0.0033	-0.0031	0.0013	0.0013	-0.0014
			Y	-0.0016	-0.0125	0.0118	-0.0046	-0.0038	0.0040
			Z	-0.0014	-0.0009	0.0010	-0.0016	-0.0005	0.0003
AT.	57	O	X	0.0005	0.0033	0.0031	-0.0013	-0.0013	-0.0014
			Y	0.0016	0.0125	0.0118	-0.0046	-0.0038	-0.0040
			Z	-0.0014	-0.0009	-0.0010	0.0016	0.0005	0.0003
AT.	58	O	X	-0.0005	0.0033	-0.0031	-0.0013	-0.0013	0.0014
			Y	-0.0016	0.0125	-0.0118	-0.0046	-0.0038	0.0040
			Z	-0.0014	0.0009	-0.0010	-0.0016	-0.0005	0.0003
AT.	59	O	X	-0.0005	0.0033	0.0031	0.0013	-0.0013	0.0014
			Y	0.0016	-0.0125	-0.0118	-0.0046	0.0038	-0.0040
			Z	-0.0014	0.0009	0.0010	0.0016	-0.0005	0.0003
AT.	60	O	X	0.0005	0.0033	-0.0031	0.0013	-0.0013	-0.0014
			Y	-0.0016	-0.0125	0.0118	-0.0046	0.0038	0.0040
			Z	-0.0014	-0.0009	0.0010	-0.0016	0.0005	0.0003
AT.	61	O	X	0.0026	0.0015	0.0011	-0.0041	0.0027	-0.0022
			Y	-0.0038	-0.0010	-0.0001	0.0065	-0.0045	0.0037
			Z	-0.0077	-0.0061	-0.0049	0.0113	-0.0068	0.0055
AT.	62	O	X	-0.0026	0.0015	-0.0011	-0.0041	0.0027	0.0022
			Y	0.0038	-0.0010	0.0001	0.0065	-0.0045	-0.0037
			Z	-0.0077	0.0061	-0.0049	-0.0113	0.0068	0.0055
AT.	63	O	X	-0.0026	0.0015	0.0011	0.0041	0.0027	0.0022
			Y	-0.0038	0.0010	0.0001	0.0065	0.0045	0.0037
			Z	-0.0077	0.0061	0.0049	0.0113	0.0068	0.0055
AT.	64	O	X	0.0026	0.0015	-0.0011	0.0041	0.0027	-0.0022
			Y	0.0038	0.0010	-0.0001	0.0065	0.0045	-0.0037
			Z	-0.0077	-0.0061	0.0049	-0.0113	-0.0068	0.0055
AT.	65	O	X	0.0026	0.0015	0.0011	-0.0041	-0.0027	-0.0022
			Y	-0.0038	-0.0010	-0.0001	0.0065	0.0045	0.0037
			Z	-0.0077	-0.0061	-0.0049	0.0113	0.0068	0.0055
AT.	66	O	X	-0.0026	0.0015	-0.0011	-0.0041	-0.0027	0.0022
			Y	0.0038	-0.0010	0.0001	0.0065	0.0045	-0.0037
			Z	-0.0077	0.0061	-0.0049	-0.0113	-0.0068	0.0055
AT.	67	O	X	-0.0026	0.0015	0.0011	0.0041	-0.0027	0.0022
			Y	-0.0038	0.0010	0.0001	0.0065	-0.0045	0.0037
			Z	-0.0077	0.0061	0.0049	0.0113	-0.0068	0.0055
AT.	68	O	X	0.0026	0.0015	-0.0011	0.0041	-0.0027	-0.0022
			Y	0.0038	0.0010	-0.0001	0.0065	-0.0045	-0.0037
			Z	-0.0077	-0.0061	0.0049	-0.0113	0.0068	0.0055
AT.	69	O	X	-0.0021	-0.0039	-0.0026	0.0005	0.0021	-0.0018
			Y	0.0030	0.0081	0.0060	-0.0011	-0.0033	0.0020
			Z	-0.0069	-0.0117	-0.0081	0.0042	0.0051	-0.0032
AT.	70	O	X	0.0021	-0.0039	0.0026	0.0005	0.0021	0.0018
			Y	-0.0030	0.0081	-0.0060	-0.0011	-0.0033	-0.0020
			Z	-0.0069	0.0117	-0.0081	-0.0042	-0.0051	-0.0032
AT.	71	O	X	0.0021	-0.0039	-0.0026	-0.0005	0.0021	0.0018
			Y	0.0030	-0.0081	-0.0060	-0.0011	0.0033	0.0020
			Z	-0.0069	0.0117	0.0081	0.0042	-0.0051	-0.0032
AT.	72	O	X	-0.0021	-0.0039	0.0026	-0.0005	0.0021	-0.0018
			Y	-0.0030	-0.0081	0.0060	-0.0011	0.0033	-0.0020
			Z	-0.0069	-0.0117	0.0081	-0.0042	0.0051	-0.0032
AT.	73	O	X	-0.0021	-0.0039	-0.0026	0.0005	-0.0021	-0.0018
			Y	0.0030	0.0081	0.0060	-0.0011	0.0033	0.0020
			Z	-0.0069	-0.0117	-0.0081	0.0042	-0.0051	-0.0032
AT.	74	O	X	0.0021	-0.0039	0.0026	0.0005	-0.0021	0.0018

		Y	-0.0030	0.0081	-0.0060	-0.0011	0.0033	-0.0020
		Z	-0.0069	0.0117	-0.0081	-0.0042	0.0051	-0.0032
AT.	75 O	X	0.0021	-0.0039	-0.0026	-0.0005	-0.0021	0.0018
		Y	0.0030	-0.0081	-0.0060	-0.0011	-0.0033	0.0020
		Z	-0.0069	0.0117	0.0081	0.0042	0.0051	-0.0032
AT.	76 O	X	-0.0021	-0.0039	0.0026	-0.0005	-0.0021	-0.0018
		Y	-0.0030	-0.0081	0.0060	-0.0011	-0.0033	-0.0020
		Z	-0.0069	-0.0117	0.0081	-0.0042	-0.0051	-0.0032
AT.	77 O	X	0.0029	0.0032	0.0061	-0.0146	0.0198	-0.0161
		Y	0.0001	0.0026	0.0025	0.0002	-0.0006	0.0002
		Z	-0.0015	-0.0019	-0.0014	0.0015	0.0002	0.0000
AT.	78 O	X	-0.0029	0.0032	-0.0061	-0.0146	0.0198	0.0161
		Y	-0.0001	0.0026	-0.0025	0.0002	-0.0006	-0.0002
		Z	-0.0015	0.0019	-0.0014	-0.0015	-0.0002	0.0000
AT.	79 O	X	-0.0029	0.0032	0.0061	0.0146	0.0198	0.0161
		Y	0.0001	-0.0026	-0.0025	0.0002	0.0006	0.0002
		Z	-0.0015	0.0019	0.0014	0.0015	-0.0002	0.0000
AT.	80 O	X	0.0029	0.0032	-0.0061	0.0146	0.0198	-0.0161
		Y	-0.0001	-0.0026	0.0025	0.0002	0.0006	-0.0002
		Z	-0.0015	-0.0019	0.0014	-0.0015	0.0002	0.0000
AT.	81 O	X	0.0029	0.0032	0.0061	-0.0146	-0.0198	-0.0161
		Y	0.0001	0.0026	0.0025	0.0002	0.0006	0.0002
		Z	-0.0015	-0.0019	-0.0014	0.0015	-0.0002	0.0000
AT.	82 O	X	-0.0029	0.0032	-0.0061	-0.0146	-0.0198	0.0161
		Y	-0.0001	0.0026	-0.0025	0.0002	0.0006	-0.0002
		Z	-0.0015	0.0019	-0.0014	-0.0015	0.0002	0.0000
AT.	83 O	X	-0.0029	0.0032	0.0061	0.0146	-0.0198	0.0161
		Y	0.0001	-0.0026	-0.0025	0.0002	-0.0006	0.0002
		Z	-0.0015	0.0019	0.0014	0.0015	0.0002	0.0000
AT.	84 O	X	0.0029	0.0032	-0.0061	0.0146	-0.0198	-0.0161
		Y	-0.0001	-0.0026	0.0025	0.0002	-0.0006	-0.0002
		Z	-0.0015	-0.0019	0.0014	-0.0015	-0.0002	0.0000
AT.	85 O	X	0.0032	0.0017	0.0002	0.0024	-0.0009	0.0030
		Y	-0.0042	-0.0021	-0.0008	-0.0031	0.0014	-0.0039
		Z	-0.0091	-0.0012	0.0006	-0.0048	0.0019	-0.0064
AT.	86 O	X	-0.0032	0.0017	-0.0002	0.0024	-0.0009	-0.0030
		Y	0.0042	-0.0021	0.0008	-0.0031	0.0014	0.0039
		Z	-0.0091	0.0012	0.0006	0.0048	-0.0019	-0.0064
AT.	87 O	X	-0.0032	0.0017	0.0002	-0.0024	-0.0009	-0.0030
		Y	-0.0042	0.0021	0.0008	-0.0031	-0.0014	-0.0039
		Z	-0.0091	0.0012	-0.0006	-0.0048	-0.0019	-0.0064
AT.	88 O	X	0.0032	0.0017	-0.0002	-0.0024	-0.0009	0.0030
		Y	0.0042	0.0021	-0.0008	-0.0031	-0.0014	0.0039
		Z	-0.0091	-0.0012	-0.0006	0.0048	0.0019	-0.0064
AT.	89 O	X	0.0032	0.0017	0.0002	0.0024	0.0009	0.0030
		Y	-0.0042	-0.0021	-0.0008	-0.0031	-0.0014	-0.0039
		Z	-0.0091	-0.0012	0.0006	-0.0048	-0.0019	-0.0064
AT.	90 O	X	-0.0032	0.0017	-0.0002	0.0024	0.0009	-0.0030
		Y	0.0042	-0.0021	0.0008	-0.0031	-0.0014	0.0039
		Z	-0.0091	0.0012	0.0006	0.0048	0.0019	-0.0064
AT.	91 O	X	-0.0032	0.0017	0.0002	-0.0024	0.0009	-0.0030
		Y	-0.0042	0.0021	0.0008	-0.0031	0.0014	-0.0039
		Z	-0.0091	0.0012	-0.0006	-0.0048	0.0019	-0.0064
AT.	92 O	X	0.0032	0.0017	-0.0002	-0.0024	0.0009	0.0030
		Y	0.0042	0.0021	-0.0008	-0.0031	0.0014	0.0039
		Z	-0.0091	-0.0012	-0.0006	0.0048	-0.0019	-0.0064
AT.	93 O	X	-0.0017	-0.0029	-0.0009	-0.0027	0.0013	-0.0038
		Y	-0.0026	-0.0075	-0.0010	-0.0063	0.0029	-0.0097
		Z	-0.0007	-0.0003	-0.0003	-0.0010	0.0002	-0.0012
AT.	94 O	X	0.0017	-0.0029	0.0009	-0.0027	0.0013	0.0038
		Y	0.0026	-0.0075	0.0010	-0.0063	0.0029	0.0097

	Z	-0.0007	0.0003	-0.0003	0.0010	-0.0002	-0.0012
AT. 95 O	X	0.0017	-0.0029	-0.0009	0.0027	0.0013	0.0038
	Y	-0.0026	0.0075	0.0010	-0.0063	-0.0029	-0.0097
	Z	-0.0007	0.0003	0.0003	-0.0010	-0.0002	-0.0012
AT. 96 O	X	-0.0017	-0.0029	0.0009	0.0027	0.0013	-0.0038
	Y	0.0026	0.0075	-0.0010	-0.0063	-0.0029	0.0097
	Z	-0.0007	-0.0003	0.0003	0.0010	0.0002	-0.0012
AT. 97 O	X	-0.0017	-0.0029	-0.0009	-0.0027	-0.0013	-0.0038
	Y	-0.0026	-0.0075	-0.0010	-0.0063	-0.0029	-0.0097
	Z	-0.0007	-0.0003	-0.0003	-0.0010	-0.0002	-0.0012
AT. 98 O	X	0.0017	-0.0029	0.0009	-0.0027	-0.0013	0.0038
	Y	0.0026	-0.0075	0.0010	-0.0063	-0.0029	0.0097
	Z	-0.0007	0.0003	-0.0003	0.0010	0.0002	-0.0012
AT. 99 O	X	0.0017	-0.0029	-0.0009	0.0027	-0.0013	0.0038
	Y	-0.0026	0.0075	0.0010	-0.0063	0.0029	-0.0097
	Z	-0.0007	0.0003	0.0003	-0.0010	0.0002	-0.0012
AT. 100 O	X	-0.0017	-0.0029	0.0009	0.0027	-0.0013	-0.0038
	Y	0.0026	0.0075	-0.0010	-0.0063	0.0029	0.0097
	Z	-0.0007	-0.0003	0.0003	0.0010	-0.0002	-0.0012
AT. 101 O	X	-0.0049	0.0012	-0.0030	0.0004	-0.0004	0.0007
	Y	-0.0116	0.0001	-0.0098	0.0007	-0.0003	0.0012
	Z	0.0141	-0.0003	0.0109	-0.0014	0.0005	-0.0017
AT. 102 O	X	0.0049	0.0012	0.0030	0.0004	-0.0004	-0.0007
	Y	0.0116	0.0001	0.0098	0.0007	-0.0003	-0.0012
	Z	0.0141	0.0003	0.0109	0.0014	-0.0005	-0.0017
AT. 103 O	X	0.0049	0.0012	-0.0030	-0.0004	-0.0004	-0.0007
	Y	-0.0116	-0.0001	0.0098	0.0007	0.0003	0.0012
	Z	0.0141	0.0003	-0.0109	-0.0014	-0.0005	-0.0017
AT. 104 O	X	-0.0049	0.0012	0.0030	-0.0004	-0.0004	0.0007
	Y	0.0116	-0.0001	-0.0098	0.0007	0.0003	-0.0012
	Z	0.0141	-0.0003	-0.0109	0.0014	0.0005	-0.0017
AT. 105 O	X	-0.0049	0.0012	-0.0030	0.0004	0.0004	0.0007
	Y	-0.0116	0.0001	-0.0098	0.0007	0.0003	0.0012
	Z	0.0141	-0.0003	0.0109	-0.0014	-0.0005	-0.0017
AT. 106 O	X	0.0049	0.0012	0.0030	0.0004	0.0004	-0.0007
	Y	0.0116	0.0001	0.0098	0.0007	0.0003	-0.0012
	Z	0.0141	0.0003	0.0109	0.0014	0.0005	-0.0017
AT. 107 O	X	0.0049	0.0012	-0.0030	-0.0004	0.0004	-0.0007
	Y	-0.0116	-0.0001	0.0098	0.0007	-0.0003	0.0012
	Z	0.0141	0.0003	-0.0109	-0.0014	0.0005	-0.0017
AT. 108 O	X	-0.0049	0.0012	0.0030	-0.0004	0.0004	0.0007
	Y	0.0116	-0.0001	-0.0098	0.0007	-0.0003	-0.0012
	Z	0.0141	-0.0003	-0.0109	0.0014	-0.0005	-0.0017
AT. 109 O	X	-0.0013	0.0064	0.0057	0.0040	-0.0022	0.0048
	Y	-0.0002	-0.0005	-0.0010	-0.0005	0.0003	-0.0005
	Z	0.0005	0.0002	0.0010	-0.0007	0.0002	-0.0007
AT. 110 O	X	0.0013	0.0064	-0.0057	0.0040	-0.0022	-0.0048
	Y	0.0002	-0.0005	0.0010	-0.0005	0.0003	0.0005
	Z	0.0005	-0.0002	0.0010	0.0007	-0.0002	-0.0007
AT. 111 O	X	0.0013	0.0064	0.0057	-0.0040	-0.0022	-0.0048
	Y	-0.0002	0.0005	0.0010	-0.0005	-0.0003	-0.0005
	Z	0.0005	-0.0002	-0.0010	-0.0007	-0.0002	-0.0007
AT. 112 O	X	-0.0013	0.0064	-0.0057	-0.0040	-0.0022	0.0048
	Y	0.0002	0.0005	-0.0010	-0.0005	-0.0003	0.0005
	Z	0.0005	0.0002	-0.0010	0.0007	0.0002	-0.0007
AT. 113 O	X	-0.0013	0.0064	0.0057	0.0040	0.0022	0.0048
	Y	-0.0002	-0.0005	-0.0010	-0.0005	-0.0003	-0.0005
	Z	0.0005	0.0002	0.0010	-0.0007	-0.0002	-0.0007
AT. 114 O	X	0.0013	0.0064	-0.0057	0.0040	0.0022	-0.0048
	Y	0.0002	-0.0005	0.0010	-0.0005	-0.0003	0.0005
	Z	0.0005	-0.0002	0.0010	0.0007	0.0002	-0.0007

AT. 115 O	X	0.0013	0.0064	0.0057	-0.0040	0.0022	-0.0048
	Y	-0.0002	0.0005	0.0010	-0.0005	0.0003	-0.0005
	Z	0.0005	-0.0002	-0.0010	-0.0007	0.0002	-0.0007
AT. 116 O	X	-0.0013	0.0064	-0.0057	-0.0040	0.0022	0.0048
	Y	0.0002	0.0005	-0.0010	-0.0005	0.0003	0.0005
	Z	0.0005	0.0002	-0.0010	0.0007	-0.0002	-0.0007
AT. 117 O	X	-0.0039	0.0016	0.0051	-0.0007	-0.0003	0.0001
	Y	-0.0043	0.0010	0.0041	0.0002	-0.0005	0.0006
	Z	-0.0026	0.0005	0.0058	-0.0009	-0.0003	0.0002
AT. 118 O	X	0.0039	0.0016	-0.0051	-0.0007	-0.0003	-0.0001
	Y	0.0043	0.0010	-0.0041	0.0002	-0.0005	-0.0006
	Z	-0.0026	-0.0005	0.0058	0.0009	0.0003	0.0002
AT. 119 O	X	0.0039	0.0016	0.0051	0.0007	-0.0003	-0.0001
	Y	-0.0043	-0.0010	-0.0041	0.0002	0.0005	0.0006
	Z	-0.0026	-0.0005	-0.0058	-0.0009	0.0003	0.0002
AT. 120 O	X	-0.0039	0.0016	-0.0051	0.0007	-0.0003	0.0001
	Y	0.0043	-0.0010	0.0041	0.0002	0.0005	-0.0006
	Z	-0.0026	0.0005	-0.0058	0.0009	-0.0003	0.0002
AT. 121 O	X	-0.0039	0.0016	0.0051	-0.0007	0.0003	0.0001
	Y	-0.0043	0.0010	0.0041	0.0002	0.0005	0.0006
	Z	-0.0026	0.0005	0.0058	-0.0009	0.0003	0.0002
AT. 122 O	X	0.0039	0.0016	-0.0051	-0.0007	0.0003	-0.0001
	Y	0.0043	0.0010	-0.0041	0.0002	0.0005	-0.0006
	Z	-0.0026	-0.0005	0.0058	0.0009	-0.0003	0.0002
AT. 123 O	X	0.0039	0.0016	0.0051	0.0007	0.0003	-0.0001
	Y	-0.0043	-0.0010	-0.0041	0.0002	-0.0005	0.0006
	Z	-0.0026	-0.0005	-0.0058	-0.0009	-0.0003	0.0002
AT. 124 O	X	-0.0039	0.0016	-0.0051	0.0007	0.0003	0.0001
	Y	0.0043	-0.0010	0.0041	0.0002	-0.0005	-0.0006
	Z	-0.0026	0.0005	-0.0058	0.0009	0.0003	0.0002

FREQ(CM**-1)	928.94	929.00	929.34	933.29	933.37	939.30

AT. 1 SI	X	-0.0162	-0.0159	-0.0157	0.0159	0.0161	0.0110
	Y	0.0020	0.0020	0.0034	-0.0023	-0.0021	-0.0022
	Z	-0.0016	0.0008	-0.0024	-0.0004	-0.0002	0.0082
AT. 2 SI	X	-0.0162	0.0159	0.0157	-0.0159	0.0161	0.0110
	Y	0.0020	-0.0020	-0.0034	0.0023	-0.0021	-0.0022
	Z	0.0016	0.0008	-0.0024	-0.0004	0.0002	-0.0082
AT. 3 SI	X	-0.0162	-0.0159	-0.0157	-0.0159	-0.0161	-0.0110
	Y	-0.0020	-0.0020	-0.0034	-0.0023	-0.0021	-0.0022
	Z	0.0016	-0.0008	0.0024	-0.0004	-0.0002	0.0082
AT. 4 SI	X	-0.0162	0.0159	0.0157	0.0159	-0.0161	-0.0110
	Y	-0.0020	0.0020	0.0034	0.0023	-0.0021	-0.0022
	Z	-0.0016	-0.0008	0.0024	-0.0004	0.0002	-0.0082
AT. 5 SI	X	-0.0162	0.0159	-0.0157	-0.0159	-0.0161	0.0110
	Y	0.0020	-0.0020	0.0034	0.0023	0.0021	-0.0022
	Z	-0.0016	-0.0008	-0.0024	0.0004	0.0002	0.0082
AT. 6 SI	X	-0.0162	-0.0159	0.0157	0.0159	-0.0161	0.0110
	Y	0.0020	0.0020	-0.0034	-0.0023	0.0021	-0.0022
	Z	0.0016	-0.0008	-0.0024	0.0004	-0.0002	-0.0082
AT. 7 SI	X	-0.0162	0.0159	-0.0157	0.0159	0.0161	-0.0110
	Y	-0.0020	0.0020	-0.0034	0.0023	0.0021	-0.0022
	Z	0.0016	0.0008	0.0024	0.0004	0.0002	0.0082
AT. 8 SI	X	-0.0162	-0.0159	0.0157	-0.0159	0.0161	-0.0110
	Y	-0.0020	-0.0020	0.0034	-0.0023	0.0021	-0.0022
	Z	-0.0016	0.0008	0.0024	0.0004	-0.0002	-0.0082
AT. 9 SI	X	0.0001	0.0012	0.0009	0.0016	0.0015	0.0005
	Y	-0.0017	-0.0023	-0.0018	-0.0008	-0.0005	-0.0058
	Z	-0.0005	-0.0014	0.0006	-0.0013	-0.0008	-0.0055
AT. 10 SI	X	0.0001	-0.0012	-0.0009	-0.0016	0.0015	0.0005

	Y	-0.0017	0.0023	0.0018	0.0008	-0.0005	-0.0058
	Z	0.0005	-0.0014	0.0006	-0.0013	0.0008	0.0055
AT. 11 SI	X	0.0001	0.0012	0.0009	-0.0016	-0.0015	-0.0005
	Y	0.0017	0.0023	0.0018	-0.0008	-0.0005	-0.0058
	Z	0.0005	0.0014	-0.0006	-0.0013	-0.0008	-0.0055
AT. 12 SI	X	0.0001	-0.0012	-0.0009	0.0016	-0.0015	-0.0005
	Y	0.0017	-0.0023	-0.0018	0.0008	-0.0005	-0.0058
	Z	-0.0005	0.0014	-0.0006	-0.0013	0.0008	0.0055
AT. 13 SI	X	0.0001	-0.0012	0.0009	-0.0016	-0.0015	0.0005
	Y	-0.0017	0.0023	-0.0018	0.0008	0.0005	-0.0058
	Z	-0.0005	0.0014	0.0006	0.0013	0.0008	-0.0055
AT. 14 SI	X	0.0001	0.0012	-0.0009	0.0016	-0.0015	0.0005
	Y	-0.0017	-0.0023	0.0018	-0.0008	0.0005	-0.0058
	Z	0.0005	0.0014	0.0006	0.0013	-0.0008	0.0055
AT. 15 SI	X	0.0001	-0.0012	0.0009	0.0016	0.0015	-0.0005
	Y	0.0017	-0.0023	0.0018	0.0008	0.0005	-0.0058
	Z	0.0005	-0.0014	-0.0006	0.0013	0.0008	-0.0055
AT. 16 SI	X	0.0001	0.0012	-0.0009	-0.0016	0.0015	-0.0005
	Y	0.0017	0.0023	-0.0018	-0.0008	0.0005	-0.0058
	Z	-0.0005	-0.0014	-0.0006	0.0013	-0.0008	0.0055
AT. 17 SI	X	-0.0002	0.0000	0.0000	0.0016	0.0000	0.0000
	Y	0.0000	0.0003	0.0002	0.0000	0.0002	0.0003
	Z	0.0003	0.0000	0.0000	-0.0001	0.0000	0.0000
AT. 18 SI	X	-0.0002	0.0000	0.0000	-0.0016	0.0000	0.0000
	Y	0.0000	-0.0003	-0.0002	0.0000	0.0002	0.0003
	Z	-0.0003	0.0000	0.0000	-0.0001	0.0000	0.0000
AT. 19 SI	X	-0.0002	0.0000	0.0000	-0.0016	0.0000	0.0000
	Y	0.0000	-0.0003	0.0002	0.0000	-0.0002	0.0003
	Z	0.0003	0.0000	0.0000	0.0001	0.0000	0.0000
AT. 20 SI	X	-0.0002	0.0000	0.0000	0.0016	0.0000	0.0000
	Y	0.0000	0.0003	-0.0002	0.0000	-0.0002	0.0003
	Z	-0.0003	0.0000	0.0000	0.0001	0.0000	0.0000
AT. 21 CA	X	0.0003	-0.0003	0.0003	-0.0003	-0.0003	0.0004
	Y	-0.0003	0.0000	-0.0003	0.0005	0.0005	0.0001
	Z	0.0000	0.0002	0.0001	0.0000	0.0000	0.0010
AT. 22 CA	X	0.0003	0.0003	-0.0003	0.0003	-0.0003	0.0004
	Y	-0.0003	0.0000	0.0003	-0.0005	0.0005	0.0001
	Z	0.0000	0.0002	0.0001	0.0000	0.0000	-0.0010
AT. 23 CA	X	0.0003	-0.0003	0.0003	0.0003	0.0003	-0.0004
	Y	0.0003	0.0000	0.0003	0.0005	0.0005	0.0001
	Z	0.0000	-0.0002	-0.0001	0.0000	0.0000	0.0010
AT. 24 CA	X	0.0003	0.0003	-0.0003	-0.0003	0.0003	-0.0004
	Y	0.0003	0.0000	-0.0003	-0.0005	0.0005	0.0001
	Z	0.0000	-0.0002	-0.0001	0.0000	0.0000	-0.0010
AT. 25 CA	X	0.0003	0.0003	0.0003	0.0003	0.0003	0.0004
	Y	-0.0003	0.0000	-0.0003	-0.0005	-0.0005	0.0001
	Z	0.0000	-0.0002	0.0001	0.0000	0.0000	0.0010
AT. 26 CA	X	0.0003	-0.0003	-0.0003	-0.0003	0.0003	0.0004
	Y	-0.0003	0.0000	0.0003	0.0005	-0.0005	0.0001
	Z	0.0000	-0.0002	0.0001	0.0000	0.0000	-0.0010
AT. 27 CA	X	0.0003	0.0003	0.0003	-0.0003	-0.0003	-0.0004
	Y	0.0003	0.0000	0.0003	-0.0005	-0.0005	0.0001
	Z	0.0000	0.0002	-0.0001	0.0000	0.0000	0.0010
AT. 28 CA	X	0.0003	-0.0003	-0.0003	0.0003	-0.0003	-0.0004
	Y	0.0003	0.0000	-0.0003	0.0005	-0.0005	0.0001
	Z	0.0000	0.0002	-0.0001	0.0000	0.0000	-0.0010
AT. 29 CA	X	0.0008	0.0000	0.0008	0.0000	0.0000	-0.0007
	Y	0.0002	0.0000	0.0005	0.0000	0.0000	-0.0003
	Z	-0.0002	0.0000	-0.0003	0.0000	0.0000	0.0011
AT. 30 CA	X	0.0008	0.0000	-0.0008	0.0000	0.0000	-0.0007
	Y	0.0002	0.0000	-0.0005	0.0000	0.0000	-0.0003

	Z	0.0002	0.0000	-0.0003	0.0000	0.0000	-0.0011
AT. 31 CA	X	0.0008	0.0000	0.0008	0.0000	0.0000	0.0007
	Y	-0.0002	0.0000	-0.0005	0.0000	0.0000	-0.0003
	Z	0.0002	0.0000	0.0003	0.0000	0.0000	0.0011
AT. 32 CA	X	0.0008	0.0000	-0.0008	0.0000	0.0000	0.0007
	Y	-0.0002	0.0000	0.0005	0.0000	0.0000	-0.0003
	Z	-0.0002	0.0000	0.0003	0.0000	0.0000	-0.0011
AT. 33 CA	X	0.0004	0.0004	0.0003	-0.0004	-0.0004	-0.0002
	Y	0.0000	-0.0001	0.0001	-0.0001	-0.0001	-0.0001
	Z	0.0000	0.0001	0.0000	-0.0002	-0.0002	-0.0002
AT. 34 CA	X	0.0004	-0.0004	-0.0003	0.0004	-0.0004	-0.0002
	Y	0.0000	0.0001	-0.0001	0.0001	-0.0001	-0.0001
	Z	0.0000	0.0001	0.0000	-0.0002	0.0002	0.0002
AT. 35 CA	X	0.0004	0.0004	0.0003	0.0004	0.0004	0.0002
	Y	0.0000	0.0001	-0.0001	-0.0001	-0.0001	-0.0001
	Z	0.0000	-0.0001	0.0000	-0.0002	-0.0002	-0.0002
AT. 36 CA	X	0.0004	-0.0004	-0.0003	-0.0004	0.0004	0.0002
	Y	0.0000	-0.0001	0.0001	0.0001	-0.0001	-0.0001
	Z	0.0000	-0.0001	0.0000	-0.0002	0.0002	0.0002
AT. 37 CA	X	0.0004	-0.0004	0.0003	0.0004	0.0004	-0.0002
	Y	0.0000	0.0001	0.0001	0.0001	0.0001	-0.0001
	Z	0.0000	-0.0001	0.0000	0.0002	0.0002	-0.0002
AT. 38 CA	X	0.0004	0.0004	-0.0003	-0.0004	0.0004	-0.0002
	Y	0.0000	-0.0001	-0.0001	-0.0001	0.0001	-0.0001
	Z	0.0000	-0.0001	0.0000	0.0002	-0.0002	0.0002
AT. 39 CA	X	0.0004	-0.0004	0.0003	-0.0004	-0.0004	0.0002
	Y	0.0000	-0.0001	-0.0001	0.0001	0.0001	-0.0001
	Z	0.0000	0.0001	0.0000	0.0002	0.0002	-0.0002
AT. 40 CA	X	0.0004	0.0004	-0.0003	0.0004	-0.0004	0.0002
	Y	0.0000	0.0001	0.0001	-0.0001	0.0001	-0.0001
	Z	0.0000	0.0001	0.0000	0.0002	-0.0002	0.0002
AT. 41 CA	X	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0002
	Y	0.0002	0.0001	0.0003	-0.0002	-0.0002	0.0002
	Z	0.0002	0.0001	-0.0001	-0.0001	-0.0002	-0.0006
AT. 42 CA	X	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0002
	Y	0.0002	-0.0001	-0.0003	0.0002	-0.0002	0.0002
	Z	-0.0002	0.0001	-0.0001	-0.0001	0.0002	0.0006
AT. 43 CA	X	-0.0001	0.0000	0.0000	0.0000	0.0000	-0.0002
	Y	-0.0002	-0.0001	-0.0003	-0.0002	-0.0002	0.0002
	Z	-0.0002	-0.0001	0.0001	-0.0001	-0.0002	-0.0006
AT. 44 CA	X	-0.0001	0.0000	0.0000	0.0000	0.0000	-0.0002
	Y	-0.0002	0.0001	0.0003	0.0002	-0.0002	0.0002
	Z	0.0002	-0.0001	0.0001	-0.0001	0.0002	0.0006
AT. 45 CA	X	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0002
	Y	0.0002	-0.0001	0.0003	0.0002	0.0002	0.0002
	Z	0.0002	-0.0001	-0.0001	0.0001	0.0002	-0.0006
AT. 46 CA	X	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0002
	Y	0.0002	0.0001	-0.0003	-0.0002	0.0002	0.0002
	Z	-0.0002	-0.0001	-0.0001	0.0001	-0.0002	0.0006
AT. 47 CA	X	-0.0001	0.0000	0.0000	0.0000	0.0000	-0.0002
	Y	-0.0002	0.0001	-0.0003	0.0002	0.0002	0.0002
	Z	-0.0002	0.0001	0.0001	0.0001	0.0002	-0.0006
AT. 48 CA	X	-0.0001	0.0000	0.0000	0.0000	0.0000	-0.0002
	Y	-0.0002	-0.0001	0.0003	-0.0002	0.0002	0.0002
	Z	0.0002	0.0001	0.0001	0.0001	-0.0002	0.0006
AT. 49 CA	X	0.0000	0.0000	0.0000	-0.0001	0.0000	0.0000
	Y	0.0000	0.0000	-0.0002	0.0000	-0.0001	-0.0001
	Z	0.0002	0.0000	0.0000	-0.0001	0.0000	0.0000
AT. 50 CA	X	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000
	Y	0.0000	0.0000	0.0002	0.0000	-0.0001	-0.0001
	Z	-0.0002	0.0000	0.0000	-0.0001	0.0000	0.0000

AT.	51	CA	X	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000
			Y	0.0000	0.0000	-0.0002	0.0000	0.0001	-0.0001
			Z	0.0002	0.0000	0.0000	0.0001	0.0000	0.0000
AT.	52	CA	X	0.0000	0.0000	0.0000	-0.0001	0.0000	0.0000
			Y	0.0000	0.0000	0.0002	0.0000	0.0001	-0.0001
			Z	-0.0002	0.0000	0.0000	0.0001	0.0000	0.0000
AT.	53	O	X	0.0013	0.0013	0.0009	-0.0011	-0.0012	-0.0011
			Y	0.0037	0.0039	0.0019	-0.0039	-0.0042	-0.0008
			Z	0.0003	-0.0005	0.0004	0.0004	0.0004	-0.0017
AT.	54	O	X	0.0013	-0.0013	-0.0009	0.0011	-0.0012	-0.0011
			Y	0.0037	-0.0039	-0.0019	0.0039	-0.0042	-0.0008
			Z	-0.0003	-0.0005	0.0004	0.0004	-0.0004	0.0017
AT.	55	O	X	0.0013	0.0013	0.0009	0.0011	0.0012	0.0011
			Y	-0.0037	-0.0039	-0.0019	-0.0039	-0.0042	-0.0008
			Z	-0.0003	0.0005	-0.0004	0.0004	0.0004	-0.0017
AT.	56	O	X	0.0013	-0.0013	-0.0009	-0.0011	0.0012	0.0011
			Y	-0.0037	0.0039	0.0019	0.0039	-0.0042	-0.0008
			Z	0.0003	0.0005	-0.0004	0.0004	-0.0004	0.0017
AT.	57	O	X	0.0013	-0.0013	0.0009	0.0011	0.0012	-0.0011
			Y	0.0037	-0.0039	0.0019	0.0039	0.0042	-0.0008
			Z	0.0003	0.0005	0.0004	-0.0004	-0.0004	-0.0017
AT.	58	O	X	0.0013	0.0013	-0.0009	-0.0011	0.0012	-0.0011
			Y	0.0037	0.0039	-0.0019	-0.0039	0.0042	-0.0008
			Z	-0.0003	0.0005	0.0004	-0.0004	0.0004	0.0017
AT.	59	O	X	0.0013	-0.0013	0.0009	-0.0011	-0.0012	0.0011
			Y	-0.0037	0.0039	-0.0019	0.0039	0.0042	-0.0008
			Z	-0.0003	-0.0005	-0.0004	-0.0004	-0.0004	-0.0017
AT.	60	O	X	0.0013	0.0013	-0.0009	0.0011	-0.0012	0.0011
			Y	-0.0037	-0.0039	0.0019	-0.0039	0.0042	-0.0008
			Z	0.0003	-0.0005	-0.0004	-0.0004	0.0004	0.0017
AT.	61	O	X	0.0021	0.0028	0.0021	-0.0026	-0.0026	0.0005
			Y	-0.0035	-0.0045	-0.0037	0.0046	0.0044	-0.0007
			Z	-0.0051	-0.0070	-0.0047	0.0073	0.0071	-0.0015
AT.	62	O	X	0.0021	-0.0028	-0.0021	0.0026	-0.0026	0.0005
			Y	-0.0035	0.0045	0.0037	-0.0046	0.0044	-0.0007
			Z	0.0051	-0.0070	-0.0047	0.0073	-0.0071	0.0015
AT.	63	O	X	0.0021	0.0028	0.0021	0.0026	0.0026	-0.0005
			Y	0.0035	0.0045	0.0037	0.0046	0.0044	-0.0007
			Z	0.0051	0.0070	0.0047	0.0073	0.0071	-0.0015
AT.	64	O	X	0.0021	-0.0028	-0.0021	-0.0026	0.0026	-0.0005
			Y	0.0035	-0.0045	-0.0037	-0.0046	0.0044	-0.0007
			Z	-0.0051	0.0070	0.0047	0.0073	-0.0071	0.0015
AT.	65	O	X	0.0021	-0.0028	0.0021	0.0026	0.0026	0.0005
			Y	-0.0035	0.0045	-0.0037	-0.0046	-0.0044	-0.0007
			Z	-0.0051	0.0070	-0.0047	-0.0073	-0.0071	-0.0015
AT.	66	O	X	0.0021	0.0028	-0.0021	-0.0026	0.0026	0.0005
			Y	-0.0035	-0.0045	0.0037	0.0046	-0.0044	-0.0007
			Z	0.0051	0.0070	-0.0047	-0.0073	0.0071	0.0015
AT.	67	O	X	0.0021	-0.0028	0.0021	-0.0026	-0.0026	-0.0005
			Y	0.0035	-0.0045	0.0037	-0.0046	-0.0044	-0.0007
			Z	0.0051	-0.0070	0.0047	-0.0073	-0.0071	-0.0015
AT.	68	O	X	0.0021	0.0028	-0.0021	0.0026	-0.0026	-0.0005
			Y	0.0035	0.0045	-0.0037	0.0046	-0.0044	-0.0007
			Z	-0.0051	-0.0070	0.0047	-0.0073	0.0071	0.0015
AT.	69	O	X	0.0029	0.0021	0.0032	-0.0024	-0.0024	-0.0041
			Y	-0.0037	-0.0032	-0.0045	0.0039	0.0039	0.0054
			Z	0.0071	0.0051	0.0081	-0.0061	-0.0062	-0.0128
AT.	70	O	X	0.0029	-0.0021	-0.0032	0.0024	-0.0024	-0.0041
			Y	-0.0037	0.0032	0.0045	-0.0039	0.0039	0.0054
			Z	-0.0071	0.0051	0.0081	-0.0061	0.0062	0.0128
AT.	71	O	X	0.0029	0.0021	0.0032	0.0024	0.0024	0.0041

	Y	0.0037	0.0032	0.0045	0.0039	0.0039	0.0054
	Z	-0.0071	-0.0051	-0.0081	-0.0061	-0.0062	-0.0128
AT. 72 O	X	0.0029	-0.0021	-0.0032	-0.0024	0.0024	0.0041
	Y	0.0037	-0.0032	-0.0045	-0.0039	0.0039	0.0054
	Z	0.0071	-0.0051	-0.0081	-0.0061	0.0062	0.0128
AT. 73 O	X	0.0029	-0.0021	0.0032	0.0024	0.0024	-0.0041
	Y	-0.0037	0.0032	-0.0045	-0.0039	-0.0039	0.0054
	Z	0.0071	-0.0051	0.0081	0.0061	0.0062	-0.0128
AT. 74 O	X	0.0029	0.0021	-0.0032	-0.0024	0.0024	-0.0041
	Y	-0.0037	-0.0032	0.0045	0.0039	-0.0039	0.0054
	Z	-0.0071	-0.0051	0.0081	0.0061	-0.0062	0.0128
AT. 75 O	X	0.0029	-0.0021	0.0032	-0.0024	-0.0024	0.0041
	Y	0.0037	-0.0032	0.0045	-0.0039	-0.0039	0.0054
	Z	-0.0071	0.0051	-0.0081	0.0061	0.0062	-0.0128
AT. 76 O	X	0.0029	0.0021	-0.0032	0.0024	-0.0024	0.0041
	Y	0.0037	0.0032	-0.0045	0.0039	-0.0039	0.0054
	Z	0.0071	0.0051	-0.0081	0.0061	-0.0062	0.0128
AT. 77 O	X	0.0198	0.0198	0.0192	-0.0194	-0.0196	-0.0130
	Y	-0.0005	-0.0006	-0.0009	0.0005	0.0004	0.0001
	Z	0.0008	0.0002	0.0010	0.0000	0.0000	-0.0020
AT. 78 O	X	0.0198	-0.0198	-0.0192	0.0194	-0.0196	-0.0130
	Y	-0.0005	0.0006	0.0009	-0.0005	0.0004	0.0001
	Z	-0.0008	0.0002	0.0010	0.0000	0.0000	0.0020
AT. 79 O	X	0.0198	0.0198	0.0192	0.0194	0.0196	0.0130
	Y	0.0005	0.0006	0.0009	0.0005	0.0004	0.0001
	Z	-0.0008	-0.0002	-0.0010	0.0000	0.0000	-0.0020
AT. 80 O	X	0.0198	-0.0198	-0.0192	-0.0194	0.0196	0.0130
	Y	0.0005	-0.0006	-0.0009	-0.0005	0.0004	0.0001
	Z	0.0008	-0.0002	-0.0010	0.0000	0.0000	0.0020
AT. 81 O	X	0.0198	-0.0198	0.0192	0.0194	0.0196	-0.0130
	Y	-0.0005	0.0006	-0.0009	-0.0005	-0.0004	0.0001
	Z	0.0008	-0.0002	0.0010	0.0000	0.0000	-0.0020
AT. 82 O	X	0.0198	0.0198	-0.0192	-0.0194	0.0196	-0.0130
	Y	-0.0005	-0.0006	0.0009	0.0005	-0.0004	0.0001
	Z	-0.0008	-0.0002	0.0010	0.0000	0.0000	0.0020
AT. 83 O	X	0.0198	-0.0198	0.0192	-0.0194	-0.0196	0.0130
	Y	0.0005	-0.0006	0.0009	-0.0005	-0.0004	0.0001
	Z	-0.0008	0.0002	-0.0010	0.0000	0.0000	-0.0020
AT. 84 O	X	0.0198	0.0198	-0.0192	0.0194	-0.0196	0.0130
	Y	0.0005	0.0006	-0.0009	0.0005	-0.0004	0.0001
	Z	0.0008	0.0002	-0.0010	0.0000	0.0000	0.0020
AT. 85 O	X	-0.0005	-0.0008	-0.0002	-0.0007	-0.0006	-0.0030
	Y	0.0011	0.0014	0.0008	0.0003	0.0002	0.0034
	Z	0.0011	0.0019	0.0004	0.0010	0.0009	0.0064
AT. 86 O	X	-0.0005	0.0008	0.0002	0.0007	-0.0006	-0.0030
	Y	0.0011	-0.0014	-0.0008	-0.0003	0.0002	0.0034
	Z	-0.0011	0.0019	0.0004	0.0010	-0.0009	-0.0064
AT. 87 O	X	-0.0005	-0.0008	-0.0002	0.0007	0.0006	0.0030
	Y	-0.0011	-0.0014	-0.0008	0.0003	0.0002	0.0034
	Z	-0.0011	-0.0019	-0.0004	0.0010	0.0009	0.0064
AT. 88 O	X	-0.0005	0.0008	0.0002	-0.0007	0.0006	0.0030
	Y	-0.0011	0.0014	0.0008	-0.0003	0.0002	0.0034
	Z	0.0011	-0.0019	-0.0004	0.0010	-0.0009	-0.0064
AT. 89 O	X	-0.0005	0.0008	-0.0002	0.0007	0.0006	-0.0030
	Y	0.0011	-0.0014	0.0008	-0.0003	-0.0002	0.0034
	Z	0.0011	-0.0019	0.0004	-0.0010	-0.0009	0.0064
AT. 90 O	X	-0.0005	-0.0008	0.0002	-0.0007	0.0006	-0.0030
	Y	0.0011	0.0014	-0.0008	0.0003	-0.0002	0.0034
	Z	-0.0011	-0.0019	0.0004	-0.0010	0.0009	-0.0064
AT. 91 O	X	-0.0005	0.0008	-0.0002	-0.0007	-0.0006	0.0030
	Y	-0.0011	0.0014	-0.0008	-0.0003	-0.0002	0.0034

	Z	-0.0011	0.0019	-0.0004	-0.0010	-0.0009	0.0064
AT. 92 O	X	-0.0005	-0.0008	0.0002	0.0007	-0.0006	0.0030
	Y	-0.0011	-0.0014	0.0008	0.0003	-0.0002	0.0034
	Z	0.0011	0.0019	-0.0004	-0.0010	0.0009	-0.0064
AT. 93 O	X	0.0009	0.0012	0.0008	0.0002	0.0000	0.0029
	Y	0.0019	0.0025	0.0014	0.0014	0.0006	0.0078
	Z	0.0000	0.0002	0.0000	0.0004	0.0003	0.0018
AT. 94 O	X	0.0009	-0.0012	-0.0008	-0.0002	0.0000	0.0029
	Y	0.0019	-0.0025	-0.0014	-0.0014	0.0006	0.0078
	Z	0.0000	0.0002	0.0000	0.0004	-0.0003	-0.0018
AT. 95 O	X	0.0009	0.0012	0.0008	-0.0002	0.0000	-0.0029
	Y	-0.0019	-0.0025	-0.0014	0.0014	0.0006	0.0078
	Z	0.0000	-0.0002	0.0000	0.0004	0.0003	0.0018
AT. 96 O	X	0.0009	-0.0012	-0.0008	0.0002	0.0000	-0.0029
	Y	-0.0019	0.0025	0.0014	-0.0014	0.0006	0.0078
	Z	0.0000	-0.0002	0.0000	0.0004	-0.0003	-0.0018
AT. 97 O	X	0.0009	-0.0012	0.0008	-0.0002	0.0000	0.0029
	Y	0.0019	-0.0025	0.0014	-0.0014	-0.0006	0.0078
	Z	0.0000	-0.0002	0.0000	-0.0004	-0.0003	0.0018
AT. 98 O	X	0.0009	0.0012	-0.0008	0.0002	0.0000	0.0029
	Y	0.0019	0.0025	-0.0014	0.0014	-0.0006	0.0078
	Z	0.0000	-0.0002	0.0000	-0.0004	0.0003	-0.0018
AT. 99 O	X	0.0009	-0.0012	0.0008	0.0002	0.0000	-0.0029
	Y	-0.0019	0.0025	-0.0014	-0.0014	-0.0006	0.0078
	Z	0.0000	0.0002	0.0000	-0.0004	-0.0003	0.0018
AT. 100 O	X	0.0009	0.0012	-0.0008	-0.0002	0.0000	-0.0029
	Y	-0.0019	-0.0025	0.0014	0.0014	-0.0006	0.0078
	Z	0.0000	0.0002	0.0000	-0.0004	0.0003	-0.0018
AT. 101 O	X	0.0002	0.0000	0.0007	-0.0006	-0.0001	-0.0006
	Y	0.0007	0.0002	0.0025	-0.0010	0.0000	-0.0020
	Z	-0.0008	0.0000	-0.0028	0.0014	0.0002	0.0030
AT. 102 O	X	0.0002	0.0000	-0.0007	0.0006	-0.0001	-0.0006
	Y	0.0007	-0.0002	-0.0025	0.0010	0.0000	-0.0020
	Z	0.0008	0.0000	-0.0028	0.0014	-0.0002	-0.0030
AT. 103 O	X	0.0002	0.0000	0.0007	0.0006	0.0001	0.0006
	Y	-0.0007	-0.0002	-0.0025	-0.0010	0.0000	-0.0020
	Z	0.0008	0.0000	0.0028	0.0014	0.0002	0.0030
AT. 104 O	X	0.0002	0.0000	-0.0007	-0.0006	0.0001	0.0006
	Y	-0.0007	0.0002	0.0025	0.0010	0.0000	-0.0020
	Z	-0.0008	0.0000	0.0028	0.0014	-0.0002	-0.0030
AT. 105 O	X	0.0002	0.0000	0.0007	0.0006	0.0001	-0.0006
	Y	0.0007	-0.0002	0.0025	0.0010	0.0000	-0.0020
	Z	-0.0008	0.0000	-0.0028	-0.0014	-0.0002	0.0030
AT. 106 O	X	0.0002	0.0000	-0.0007	-0.0006	0.0001	-0.0006
	Y	0.0007	0.0002	-0.0025	-0.0010	0.0000	-0.0020
	Z	0.0008	0.0000	-0.0028	-0.0014	0.0002	-0.0030
AT. 107 O	X	0.0002	0.0000	0.0007	-0.0006	-0.0001	0.0006
	Y	-0.0007	0.0002	-0.0025	0.0010	0.0000	-0.0020
	Z	0.0008	0.0000	0.0028	-0.0014	-0.0002	0.0030
AT. 108 O	X	0.0002	0.0000	-0.0007	0.0006	-0.0001	0.0006
	Y	-0.0007	-0.0002	0.0025	-0.0010	0.0000	-0.0020
	Z	-0.0008	0.0000	0.0028	-0.0014	0.0002	-0.0030
AT. 109 O	X	-0.0006	-0.0023	-0.0017	-0.0021	-0.0019	-0.0010
	Y	0.0002	0.0004	0.0003	0.0000	0.0000	0.0002
	Z	-0.0002	0.0002	-0.0004	0.0004	0.0003	0.0010
AT. 110 O	X	-0.0006	0.0023	0.0017	0.0021	-0.0019	-0.0010
	Y	0.0002	-0.0004	-0.0003	0.0000	0.0000	0.0002
	Z	0.0002	0.0002	-0.0004	0.0004	-0.0003	-0.0010
AT. 111 O	X	-0.0006	-0.0023	-0.0017	0.0021	0.0019	0.0010
	Y	-0.0002	-0.0004	-0.0003	0.0000	0.0000	0.0002
	Z	0.0002	-0.0002	0.0004	0.0004	0.0003	0.0010

AT. 112 O	X	-0.0006	0.0023	0.0017	-0.0021	0.0019	0.0010
	Y	-0.0002	0.0004	0.0003	0.0000	0.0000	0.0002
	Z	-0.0002	-0.0002	0.0004	0.0004	-0.0003	-0.0010
AT. 113 O	X	-0.0006	0.0023	-0.0017	0.0021	0.0019	-0.0010
	Y	0.0002	-0.0004	0.0003	0.0000	0.0000	0.0002
	Z	-0.0002	-0.0002	-0.0004	-0.0004	-0.0003	0.0010
AT. 114 O	X	-0.0006	-0.0023	0.0017	-0.0021	0.0019	-0.0010
	Y	0.0002	0.0004	-0.0003	0.0000	0.0000	0.0002
	Z	0.0002	-0.0002	-0.0004	-0.0004	0.0003	-0.0010
AT. 115 O	X	-0.0006	0.0023	-0.0017	-0.0021	-0.0019	0.0010
	Y	-0.0002	0.0004	-0.0003	0.0000	0.0000	0.0002
	Z	0.0002	0.0002	0.0004	-0.0004	-0.0003	0.0010
AT. 116 O	X	-0.0006	-0.0023	0.0017	0.0021	-0.0019	0.0010
	Y	-0.0002	-0.0004	0.0003	0.0000	0.0000	0.0002
	Z	-0.0002	0.0002	0.0004	-0.0004	0.0003	-0.0010
AT. 117 O	X	-0.0002	0.0000	-0.0019	-0.0006	0.0000	0.0014
	Y	0.0001	-0.0004	-0.0013	-0.0007	-0.0002	0.0006
	Z	0.0000	0.0001	-0.0021	-0.0004	0.0000	0.0017
AT. 118 O	X	-0.0002	0.0000	0.0019	0.0006	0.0000	0.0014
	Y	0.0001	0.0004	0.0013	0.0007	-0.0002	0.0006
	Z	0.0000	0.0001	-0.0021	-0.0004	0.0000	-0.0017
AT. 119 O	X	-0.0002	0.0000	-0.0019	0.0006	0.0000	-0.0014
	Y	-0.0001	0.0004	0.0013	-0.0007	-0.0002	0.0006
	Z	0.0000	-0.0001	0.0021	-0.0004	0.0000	0.0017
AT. 120 O	X	-0.0002	0.0000	0.0019	-0.0006	0.0000	-0.0014
	Y	-0.0001	-0.0004	-0.0013	0.0007	-0.0002	0.0006
	Z	0.0000	-0.0001	0.0021	-0.0004	0.0000	-0.0017
AT. 121 O	X	-0.0002	0.0000	-0.0019	0.0006	0.0000	0.0014
	Y	0.0001	0.0004	-0.0013	0.0007	0.0002	0.0006
	Z	0.0000	-0.0001	-0.0021	0.0004	0.0000	0.0017
AT. 122 O	X	-0.0002	0.0000	0.0019	-0.0006	0.0000	0.0014
	Y	0.0001	-0.0004	0.0013	-0.0007	0.0002	0.0006
	Z	0.0000	-0.0001	-0.0021	0.0004	0.0000	-0.0017
AT. 123 O	X	-0.0002	0.0000	-0.0019	-0.0006	0.0000	-0.0014
	Y	-0.0001	-0.0004	0.0013	0.0007	0.0002	0.0006
	Z	0.0000	0.0001	0.0021	0.0004	0.0000	0.0017
AT. 124 O	X	-0.0002	0.0000	0.0019	0.0006	0.0000	-0.0014
	Y	-0.0001	0.0004	-0.0013	-0.0007	0.0002	0.0006
	Z	0.0000	0.0001	0.0021	0.0004	0.0000	-0.0017

FREQ(CM**-1)	940.21	951.45	951.49	951.88	955.24	955.61
AT. 1 SI X	-0.0092	-0.0016	-0.0026	-0.0021	0.0015	-0.0018
Y	0.0021	0.0012	-0.0037	0.0014	0.0000	-0.0029
Z	-0.0054	0.0052	-0.0043	0.0056	0.0095	-0.0034
AT. 2 SI X	0.0092	0.0016	0.0026	-0.0021	0.0015	-0.0018
Y	-0.0021	-0.0012	0.0037	0.0014	0.0000	-0.0029
Z	-0.0054	0.0052	-0.0043	-0.0056	-0.0095	0.0034
AT. 3 SI X	0.0092	-0.0016	0.0026	-0.0021	-0.0015	0.0018
Y	0.0021	-0.0012	-0.0037	-0.0014	0.0000	-0.0029
Z	-0.0054	-0.0052	-0.0043	-0.0056	0.0095	-0.0034
AT. 4 SI X	-0.0092	0.0016	-0.0026	-0.0021	-0.0015	0.0018
Y	-0.0021	0.0012	0.0037	-0.0014	0.0000	-0.0029
Z	-0.0054	-0.0052	-0.0043	0.0056	-0.0095	0.0034
AT. 5 SI X	-0.0092	0.0016	0.0026	0.0021	0.0015	0.0018
Y	0.0021	-0.0012	0.0037	-0.0014	0.0000	0.0029
Z	-0.0054	-0.0052	0.0043	-0.0056	0.0095	0.0034
AT. 6 SI X	0.0092	-0.0016	-0.0026	0.0021	0.0015	0.0018
Y	-0.0021	0.0012	-0.0037	-0.0014	0.0000	0.0029
Z	-0.0054	-0.0052	0.0043	0.0056	-0.0095	-0.0034
AT. 7 SI X	0.0092	0.0016	-0.0026	0.0021	-0.0015	-0.0018

	Y	0.0021	0.0012	0.0037	0.0014	0.0000	0.0029
	Z	-0.0054	0.0052	0.0043	0.0056	0.0095	0.0034
AT. 8 SI	X	-0.0092	-0.0016	0.0026	0.0021	-0.0015	-0.0018
	Y	-0.0021	-0.0012	-0.0037	0.0014	0.0000	0.0029
	Z	-0.0054	0.0052	0.0043	-0.0056	-0.0095	-0.0034
AT. 9 SI	X	-0.0010	0.0024	0.0060	0.0011	0.0041	0.0103
	Y	0.0086	0.0103	-0.0098	0.0105	0.0084	-0.0075
	Z	0.0070	0.0093	-0.0076	0.0086	0.0070	-0.0053
AT. 10 SI	X	0.0010	-0.0024	-0.0060	0.0011	0.0041	0.0103
	Y	-0.0086	-0.0103	0.0098	0.0105	0.0084	-0.0075
	Z	0.0070	0.0093	-0.0076	-0.0086	-0.0070	0.0053
AT. 11 SI	X	0.0010	0.0024	-0.0060	0.0011	-0.0041	-0.0103
	Y	0.0086	-0.0103	-0.0098	-0.0105	0.0084	-0.0075
	Z	0.0070	-0.0093	-0.0076	-0.0086	0.0070	-0.0053
AT. 12 SI	X	-0.0010	-0.0024	0.0060	0.0011	-0.0041	-0.0103
	Y	-0.0086	0.0103	0.0098	-0.0105	0.0084	-0.0075
	Z	0.0070	-0.0093	-0.0076	0.0086	-0.0070	0.0053
AT. 13 SI	X	-0.0010	-0.0024	-0.0060	-0.0011	0.0041	-0.0103
	Y	0.0086	-0.0103	0.0098	-0.0105	0.0084	0.0075
	Z	0.0070	-0.0093	0.0076	-0.0086	0.0070	0.0053
AT. 14 SI	X	0.0010	0.0024	0.0060	-0.0011	0.0041	-0.0103
	Y	-0.0086	0.0103	-0.0098	-0.0105	0.0084	0.0075
	Z	0.0070	-0.0093	0.0076	0.0086	-0.0070	-0.0053
AT. 15 SI	X	0.0010	-0.0024	0.0060	-0.0011	-0.0041	0.0103
	Y	0.0086	0.0103	0.0098	0.0105	0.0084	0.0075
	Z	0.0070	0.0093	0.0076	0.0086	0.0070	0.0053
AT. 16 SI	X	-0.0010	0.0024	-0.0060	-0.0011	-0.0041	0.0103
	Y	-0.0086	-0.0103	-0.0098	0.0105	0.0084	0.0075
	Z	0.0070	0.0093	0.0076	-0.0086	-0.0070	-0.0053
AT. 17 SI	X	-0.0038	0.0000	0.0062	-0.0048	0.0000	0.0000
	Y	0.0000	0.0017	0.0000	0.0000	0.0029	0.0069
	Z	0.0007	0.0000	0.0025	-0.0001	0.0000	0.0000
AT. 18 SI	X	0.0038	0.0000	-0.0062	-0.0048	0.0000	0.0000
	Y	0.0000	-0.0017	0.0000	0.0000	0.0029	0.0069
	Z	0.0007	0.0000	0.0025	0.0001	0.0000	0.0000
AT. 19 SI	X	-0.0038	0.0000	-0.0062	0.0048	0.0000	0.0000
	Y	0.0000	-0.0017	0.0000	0.0000	0.0029	-0.0069
	Z	0.0007	0.0000	-0.0025	0.0001	0.0000	0.0000
AT. 20 SI	X	0.0038	0.0000	0.0062	0.0048	0.0000	0.0000
	Y	0.0000	0.0017	0.0000	0.0000	0.0029	-0.0069
	Z	0.0007	0.0000	-0.0025	-0.0001	0.0000	0.0000
AT. 21 CA	X	-0.0004	-0.0001	0.0001	-0.0001	0.0000	0.0001
	Y	-0.0001	-0.0001	0.0001	-0.0001	0.0000	0.0000
	Z	-0.0008	0.0006	0.0006	0.0006	0.0011	0.0005
AT. 22 CA	X	0.0004	0.0001	-0.0001	-0.0001	0.0000	0.0001
	Y	0.0001	0.0001	-0.0001	-0.0001	0.0000	0.0000
	Z	-0.0008	0.0006	0.0006	-0.0006	-0.0011	-0.0005
AT. 23 CA	X	0.0004	-0.0001	-0.0001	-0.0001	0.0000	-0.0001
	Y	-0.0001	0.0001	0.0001	0.0001	0.0000	0.0000
	Z	-0.0008	-0.0006	0.0006	-0.0006	0.0011	0.0005
AT. 24 CA	X	-0.0004	0.0001	0.0001	-0.0001	0.0000	-0.0001
	Y	0.0001	-0.0001	-0.0001	0.0001	0.0000	0.0000
	Z	-0.0008	-0.0006	0.0006	0.0006	-0.0011	-0.0005
AT. 25 CA	X	-0.0004	0.0001	-0.0001	0.0001	0.0000	-0.0001
	Y	-0.0001	0.0001	-0.0001	0.0001	0.0000	0.0000
	Z	-0.0008	-0.0006	-0.0006	-0.0006	0.0011	-0.0005
AT. 26 CA	X	0.0004	-0.0001	0.0001	0.0001	0.0000	-0.0001
	Y	0.0001	-0.0001	0.0001	0.0001	0.0000	0.0000
	Z	-0.0008	-0.0006	-0.0006	0.0006	-0.0011	0.0005
AT. 27 CA	X	0.0004	0.0001	0.0001	0.0001	0.0000	0.0001
	Y	-0.0001	-0.0001	-0.0001	-0.0001	0.0000	0.0000

		Z	-0.0008	0.0006	-0.0006	0.0006	0.0011	-0.0005
AT.	28	CA X	-0.0004	-0.0001	-0.0001	0.0001	0.0000	0.0001
		Y	0.0001	0.0001	0.0001	-0.0001	0.0000	0.0000
		Z	-0.0008	0.0006	-0.0006	-0.0006	-0.0011	0.0005
AT.	29	CA X	0.0005	0.0000	0.0000	0.0000	-0.0002	0.0000
		Y	0.0002	0.0000	0.0000	0.0000	-0.0001	0.0000
		Z	-0.0009	0.0000	0.0000	0.0000	0.0010	0.0000
AT.	30	CA X	-0.0005	0.0000	0.0000	0.0000	-0.0002	0.0000
		Y	-0.0002	0.0000	0.0000	0.0000	-0.0001	0.0000
		Z	-0.0009	0.0000	0.0000	0.0000	-0.0010	0.0000
AT.	31	CA X	-0.0005	0.0000	0.0000	0.0000	0.0002	0.0000
		Y	0.0002	0.0000	0.0000	0.0000	-0.0001	0.0000
		Z	-0.0009	0.0000	0.0000	0.0000	0.0010	0.0000
AT.	32	CA X	0.0005	0.0000	0.0000	0.0000	0.0002	0.0000
		Y	-0.0002	0.0000	0.0000	0.0000	-0.0001	0.0000
		Z	-0.0009	0.0000	0.0000	0.0000	-0.0010	0.0000
AT.	33	CA X	0.0002	0.0000	-0.0001	0.0000	-0.0001	-0.0002
		Y	0.0002	0.0003	-0.0010	0.0003	0.0002	-0.0009
		Z	0.0004	0.0011	-0.0002	0.0011	0.0011	-0.0001
AT.	34	CA X	-0.0002	0.0000	0.0001	0.0000	-0.0001	-0.0002
		Y	-0.0002	-0.0003	0.0010	0.0003	0.0002	-0.0009
		Z	0.0004	0.0011	-0.0002	-0.0011	-0.0011	0.0001
AT.	35	CA X	-0.0002	0.0000	0.0001	0.0000	0.0001	0.0002
		Y	0.0002	-0.0003	-0.0010	-0.0003	0.0002	-0.0009
		Z	0.0004	-0.0011	-0.0002	-0.0011	0.0011	-0.0001
AT.	36	CA X	0.0002	0.0000	-0.0001	0.0000	0.0001	0.0002
		Y	-0.0002	0.0003	0.0010	-0.0003	0.0002	-0.0009
		Z	0.0004	-0.0011	-0.0002	0.0011	-0.0011	0.0001
AT.	37	CA X	0.0002	0.0000	0.0001	0.0000	-0.0001	0.0002
		Y	0.0002	-0.0003	0.0010	-0.0003	0.0002	0.0009
		Z	0.0004	-0.0011	0.0002	-0.0011	0.0011	0.0001
AT.	38	CA X	-0.0002	0.0000	-0.0001	0.0000	-0.0001	0.0002
		Y	-0.0002	0.0003	-0.0010	-0.0003	0.0002	0.0009
		Z	0.0004	-0.0011	0.0002	0.0011	-0.0011	-0.0001
AT.	39	CA X	-0.0002	0.0000	-0.0001	0.0000	0.0001	-0.0002
		Y	0.0002	0.0003	0.0010	0.0003	0.0002	0.0009
		Z	0.0004	0.0011	0.0002	0.0011	0.0011	0.0001
AT.	40	CA X	0.0002	0.0000	0.0001	0.0000	0.0001	-0.0002
		Y	-0.0002	-0.0003	-0.0010	0.0003	0.0002	0.0009
		Z	0.0004	0.0011	0.0002	-0.0011	-0.0011	-0.0001
AT.	41	CA X	-0.0003	-0.0002	-0.0003	-0.0001	-0.0001	-0.0001
		Y	-0.0003	-0.0003	-0.0002	-0.0003	-0.0003	-0.0002
		Z	0.0006	0.0012	0.0004	0.0009	0.0010	0.0000
AT.	42	CA X	0.0003	0.0002	0.0003	-0.0001	-0.0001	-0.0001
		Y	0.0003	0.0003	0.0002	-0.0003	-0.0003	-0.0002
		Z	0.0006	0.0012	0.0004	-0.0009	-0.0010	0.0000
AT.	43	CA X	0.0003	-0.0002	0.0003	-0.0001	0.0001	0.0001
		Y	-0.0003	0.0003	-0.0002	0.0003	-0.0003	-0.0002
		Z	0.0006	-0.0012	0.0004	-0.0009	0.0010	0.0000
AT.	44	CA X	-0.0003	0.0002	-0.0003	-0.0001	0.0001	0.0001
		Y	0.0003	-0.0003	0.0002	0.0003	-0.0003	-0.0002
		Z	0.0006	-0.0012	0.0004	0.0009	-0.0010	0.0000
AT.	45	CA X	-0.0003	0.0002	0.0003	0.0001	-0.0001	0.0001
		Y	-0.0003	0.0003	0.0002	0.0003	-0.0003	0.0002
		Z	0.0006	-0.0012	-0.0004	-0.0009	0.0010	0.0000
AT.	46	CA X	0.0003	-0.0002	-0.0003	0.0001	-0.0001	0.0001
		Y	0.0003	-0.0003	-0.0002	0.0003	-0.0003	0.0002
		Z	0.0006	-0.0012	-0.0004	0.0009	-0.0010	0.0000
AT.	47	CA X	0.0003	0.0002	-0.0003	0.0001	0.0001	-0.0001
		Y	-0.0003	-0.0003	0.0002	-0.0003	-0.0003	0.0002
		Z	0.0006	0.0012	-0.0004	0.0009	0.0010	0.0000

AT.	48	CA	X	-0.0003	-0.0002	0.0003	0.0001	0.0001	-0.0001
			Y	0.0003	0.0003	-0.0002	-0.0003	-0.0003	0.0002
			Z	0.0006	0.0012	-0.0004	-0.0009	-0.0010	0.0000
AT.	49	CA	X	0.0000	0.0000	0.0000	-0.0001	0.0000	0.0000
			Y	0.0000	0.0002	0.0000	0.0000	0.0001	-0.0006
			Z	0.0001	0.0000	0.0003	0.0001	0.0000	0.0000
AT.	50	CA	X	0.0000	0.0000	0.0000	-0.0001	0.0000	0.0000
			Y	0.0000	-0.0002	0.0000	0.0000	0.0001	-0.0006
			Z	0.0001	0.0000	0.0003	-0.0001	0.0000	0.0000
AT.	51	CA	X	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000
			Y	0.0000	-0.0002	0.0000	0.0000	0.0001	0.0006
			Z	0.0001	0.0000	-0.0003	-0.0001	0.0000	0.0000
AT.	52	CA	X	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000
			Y	0.0000	0.0002	0.0000	0.0000	0.0001	0.0006
			Z	0.0001	0.0000	-0.0003	0.0001	0.0000	0.0000
AT.	53	O	X	0.0009	0.0003	0.0010	0.0003	-0.0001	0.0008
			Y	0.0004	-0.0005	0.0049	-0.0005	-0.0001	0.0038
			Z	0.0011	-0.0013	0.0002	-0.0013	-0.0022	0.0002
AT.	54	O	X	-0.0009	-0.0003	-0.0010	0.0003	-0.0001	0.0008
			Y	-0.0004	0.0005	-0.0049	-0.0005	-0.0001	0.0038
			Z	0.0011	-0.0013	0.0002	0.0013	0.0022	-0.0002
AT.	55	O	X	-0.0009	0.0003	-0.0010	0.0003	0.0001	-0.0008
			Y	0.0004	0.0005	0.0049	0.0005	-0.0001	0.0038
			Z	0.0011	0.0013	0.0002	0.0013	-0.0022	0.0002
AT.	56	O	X	0.0009	-0.0003	0.0010	0.0003	0.0001	-0.0008
			Y	-0.0004	-0.0005	-0.0049	0.0005	-0.0001	0.0038
			Z	0.0011	0.0013	0.0002	-0.0013	0.0022	-0.0002
AT.	57	O	X	0.0009	-0.0003	-0.0010	-0.0003	-0.0001	-0.0008
			Y	0.0004	0.0005	-0.0049	0.0005	-0.0001	-0.0038
			Z	0.0011	0.0013	-0.0002	0.0013	-0.0022	-0.0002
AT.	58	O	X	-0.0009	0.0003	0.0010	-0.0003	-0.0001	-0.0008
			Y	-0.0004	-0.0005	0.0049	0.0005	-0.0001	-0.0038
			Z	0.0011	0.0013	-0.0002	-0.0013	0.0022	0.0002
AT.	59	O	X	-0.0009	-0.0003	0.0010	-0.0003	0.0001	0.0008
			Y	0.0004	-0.0005	-0.0049	-0.0005	-0.0001	-0.0038
			Z	0.0011	-0.0013	-0.0002	-0.0013	-0.0022	-0.0002
AT.	60	O	X	0.0009	0.0003	-0.0010	-0.0003	0.0001	0.0008
			Y	-0.0004	0.0005	0.0049	-0.0005	-0.0001	-0.0038
			Z	0.0011	-0.0013	-0.0002	0.0013	0.0022	0.0002
AT.	61	O	X	0.0000	0.0017	-0.0013	0.0019	0.0022	-0.0011
			Y	0.0000	-0.0026	0.0033	-0.0029	-0.0034	0.0026
			Z	-0.0004	-0.0070	0.0041	-0.0076	-0.0085	0.0033
AT.	62	O	X	0.0000	-0.0017	0.0013	0.0019	0.0022	-0.0011
			Y	0.0000	0.0026	-0.0033	-0.0029	-0.0034	0.0026
			Z	-0.0004	-0.0070	0.0041	0.0076	0.0085	-0.0033
AT.	63	O	X	0.0000	0.0017	0.0013	0.0019	-0.0022	0.0011
			Y	0.0000	0.0026	0.0033	0.0029	-0.0034	0.0026
			Z	-0.0004	0.0070	0.0041	0.0076	-0.0085	0.0033
AT.	64	O	X	0.0000	-0.0017	-0.0013	0.0019	-0.0022	0.0011
			Y	0.0000	-0.0026	-0.0033	0.0029	-0.0034	0.0026
			Z	-0.0004	0.0070	0.0041	-0.0076	0.0085	-0.0033
AT.	65	O	X	0.0000	-0.0017	0.0013	-0.0019	0.0022	0.0011
			Y	0.0000	0.0026	-0.0033	0.0029	-0.0034	-0.0026
			Z	-0.0004	0.0070	-0.0041	0.0076	-0.0085	-0.0033
AT.	66	O	X	0.0000	0.0017	-0.0013	-0.0019	0.0022	0.0011
			Y	0.0000	-0.0026	0.0033	0.0029	-0.0034	-0.0026
			Z	-0.0004	0.0070	-0.0041	-0.0076	0.0085	0.0033
AT.	67	O	X	0.0000	-0.0017	-0.0013	-0.0019	-0.0022	-0.0011
			Y	0.0000	-0.0026	-0.0033	-0.0029	-0.0034	-0.0026
			Z	-0.0004	-0.0070	-0.0041	-0.0076	-0.0085	-0.0033
AT.	68	O	X	0.0000	0.0017	0.0013	-0.0019	-0.0022	-0.0011

		Y	0.0000	0.0026	0.0033	-0.0029	-0.0034	-0.0026
		Z	-0.0004	-0.0070	-0.0041	0.0076	0.0085	0.0033
AT.	69 O	X	0.0031	-0.0010	0.0008	-0.0010	-0.0027	0.0006
		Y	-0.0041	0.0013	-0.0006	0.0013	0.0037	-0.0004
		Z	0.0096	-0.0027	0.0039	-0.0028	-0.0091	0.0031
AT.	70 O	X	-0.0031	0.0010	-0.0008	-0.0010	-0.0027	0.0006
		Y	0.0041	-0.0013	0.0006	0.0013	0.0037	-0.0004
		Z	0.0096	-0.0027	0.0039	0.0028	0.0091	-0.0031
AT.	71 O	X	-0.0031	-0.0010	-0.0008	-0.0010	0.0027	-0.0006
		Y	-0.0041	-0.0013	-0.0006	-0.0013	0.0037	-0.0004
		Z	0.0096	0.0027	0.0039	0.0028	-0.0091	0.0031
AT.	72 O	X	0.0031	0.0010	0.0008	-0.0010	0.0027	-0.0006
		Y	0.0041	0.0013	0.0006	-0.0013	0.0037	-0.0004
		Z	0.0096	0.0027	0.0039	-0.0028	0.0091	-0.0031
AT.	73 O	X	0.0031	0.0010	-0.0008	0.0010	-0.0027	-0.0006
		Y	-0.0041	-0.0013	0.0006	-0.0013	0.0037	0.0004
		Z	0.0096	0.0027	-0.0039	0.0028	-0.0091	-0.0031
AT.	74 O	X	-0.0031	-0.0010	0.0008	0.0010	-0.0027	-0.0006
		Y	0.0041	0.0013	-0.0006	-0.0013	0.0037	0.0004
		Z	0.0096	0.0027	-0.0039	-0.0028	0.0091	0.0031
AT.	75 O	X	-0.0031	0.0010	0.0008	0.0010	0.0027	0.0006
		Y	-0.0041	0.0013	0.0006	0.0013	0.0037	0.0004
		Z	0.0096	-0.0027	-0.0039	-0.0028	-0.0091	-0.0031
AT.	76 O	X	0.0031	-0.0010	-0.0008	0.0010	0.0027	0.0006
		Y	0.0041	-0.0013	-0.0006	0.0013	0.0037	0.0004
		Z	0.0096	-0.0027	-0.0039	0.0028	0.0091	0.0031
AT.	77 O	X	0.0107	0.0014	0.0034	0.0020	-0.0020	0.0024
		Y	-0.0001	0.0000	0.0015	0.0000	0.0000	0.0012
		Z	0.0013	-0.0014	0.0011	-0.0015	-0.0025	0.0009
AT.	78 O	X	-0.0107	-0.0014	-0.0034	0.0020	-0.0020	0.0024
		Y	0.0001	0.0000	-0.0015	0.0000	0.0000	0.0012
		Z	0.0013	-0.0014	0.0011	0.0015	0.0025	-0.0009
AT.	79 O	X	-0.0107	0.0014	-0.0034	0.0020	0.0020	-0.0024
		Y	-0.0001	0.0000	0.0015	0.0000	0.0000	0.0012
		Z	0.0013	0.0014	0.0011	0.0015	-0.0025	0.0009
AT.	80 O	X	0.0107	-0.0014	0.0034	0.0020	0.0020	-0.0024
		Y	0.0001	0.0000	-0.0015	0.0000	0.0000	0.0012
		Z	0.0013	0.0014	0.0011	-0.0015	0.0025	-0.0009
AT.	81 O	X	0.0107	-0.0014	-0.0034	-0.0020	-0.0020	-0.0024
		Y	-0.0001	0.0000	-0.0015	0.0000	0.0000	-0.0012
		Z	0.0013	0.0014	-0.0011	0.0015	-0.0025	-0.0009
AT.	82 O	X	-0.0107	0.0014	0.0034	-0.0020	-0.0020	-0.0024
		Y	0.0001	0.0000	0.0015	0.0000	0.0000	-0.0012
		Z	0.0013	0.0014	-0.0011	-0.0015	0.0025	0.0009
AT.	83 O	X	-0.0107	-0.0014	0.0034	-0.0020	0.0020	0.0024
		Y	-0.0001	0.0000	-0.0015	0.0000	0.0000	-0.0012
		Z	0.0013	-0.0014	-0.0011	-0.0015	-0.0025	-0.0009
AT.	84 O	X	0.0107	0.0014	-0.0034	-0.0020	0.0020	0.0024
		Y	0.0001	0.0000	0.0015	0.0000	0.0000	-0.0012
		Z	0.0013	-0.0014	-0.0011	0.0015	0.0025	0.0009
AT.	85 O	X	0.0038	0.0045	-0.0049	0.0043	0.0031	-0.0044
		Y	-0.0044	-0.0054	0.0067	-0.0051	-0.0038	0.0060
		Z	-0.0082	-0.0114	0.0105	-0.0105	-0.0085	0.0091
AT.	86 O	X	-0.0038	-0.0045	0.0049	0.0043	0.0031	-0.0044
		Y	0.0044	0.0054	-0.0067	-0.0051	-0.0038	0.0060
		Z	-0.0082	-0.0114	0.0105	0.0105	0.0085	-0.0091
AT.	87 O	X	-0.0038	0.0045	0.0049	0.0043	-0.0031	0.0044
		Y	-0.0044	0.0054	0.0067	0.0051	-0.0038	0.0060
		Z	-0.0082	0.0114	0.0105	0.0105	-0.0085	0.0091
AT.	88 O	X	0.0038	-0.0045	-0.0049	0.0043	-0.0031	0.0044
		Y	0.0044	-0.0054	-0.0067	0.0051	-0.0038	0.0060

		Z	-0.0082	0.0114	0.0105	-0.0105	0.0085	-0.0091
AT.	89 O	X	0.0038	-0.0045	0.0049	-0.0043	0.0031	0.0044
		Y	-0.0044	0.0054	-0.0067	0.0051	-0.0038	-0.0060
		Z	-0.0082	0.0114	-0.0105	0.0105	-0.0085	-0.0091
AT.	90 O	X	-0.0038	0.0045	-0.0049	-0.0043	0.0031	0.0044
		Y	0.0044	-0.0054	0.0067	0.0051	-0.0038	-0.0060
		Z	-0.0082	0.0114	-0.0105	-0.0105	0.0085	0.0091
AT.	91 O	X	-0.0038	-0.0045	-0.0049	-0.0043	-0.0031	-0.0044
		Y	-0.0044	-0.0054	-0.0067	-0.0051	-0.0038	-0.0060
		Z	-0.0082	-0.0114	-0.0105	-0.0105	-0.0085	-0.0091
AT.	92 O	X	0.0038	0.0045	0.0049	-0.0043	-0.0031	-0.0044
		Y	0.0044	0.0054	0.0067	-0.0051	-0.0038	-0.0060
		Z	-0.0082	-0.0114	-0.0105	0.0105	0.0085	0.0091
AT.	93 O	X	-0.0044	-0.0053	0.0041	-0.0053	-0.0046	0.0023
		Y	-0.0122	-0.0142	0.0118	-0.0149	-0.0121	0.0070
		Z	-0.0022	-0.0032	0.0012	-0.0029	-0.0027	0.0006
AT.	94 O	X	0.0044	0.0053	-0.0041	-0.0053	-0.0046	0.0023
		Y	0.0122	0.0142	-0.0118	-0.0149	-0.0121	0.0070
		Z	-0.0022	-0.0032	0.0012	0.0029	0.0027	-0.0006
AT.	95 O	X	0.0044	-0.0053	-0.0041	-0.0053	0.0046	-0.0023
		Y	-0.0122	0.0142	0.0118	0.0149	-0.0121	0.0070
		Z	-0.0022	0.0032	0.0012	0.0029	-0.0027	0.0006
AT.	96 O	X	-0.0044	0.0053	0.0041	-0.0053	0.0046	-0.0023
		Y	0.0122	-0.0142	-0.0118	0.0149	-0.0121	0.0070
		Z	-0.0022	0.0032	0.0012	-0.0029	0.0027	-0.0006
AT.	97 O	X	-0.0044	0.0053	-0.0041	0.0053	-0.0046	-0.0023
		Y	-0.0122	0.0142	-0.0118	0.0149	-0.0121	-0.0070
		Z	-0.0022	0.0032	-0.0012	0.0029	-0.0027	-0.0006
AT.	98 O	X	0.0044	-0.0053	0.0041	0.0053	-0.0046	-0.0023
		Y	0.0122	-0.0142	0.0118	0.0149	-0.0121	-0.0070
		Z	-0.0022	0.0032	-0.0012	-0.0029	0.0027	0.0006
AT.	99 O	X	0.0044	0.0053	0.0041	0.0053	0.0046	0.0023
		Y	-0.0122	-0.0142	-0.0118	-0.0149	-0.0121	-0.0070
		Z	-0.0022	-0.0032	-0.0012	-0.0029	-0.0027	-0.0006
AT.	100 O	X	-0.0044	-0.0053	-0.0041	0.0053	0.0046	0.0023
		Y	0.0122	0.0142	0.0118	-0.0149	-0.0121	-0.0070
		Z	-0.0022	-0.0032	-0.0012	0.0029	0.0027	0.0006
AT.	101 O	X	0.0013	0.0005	-0.0014	0.0012	0.0000	-0.0006
		Y	0.0033	0.0030	-0.0010	0.0038	0.0021	0.0013
		Z	-0.0045	-0.0046	0.0021	-0.0054	-0.0034	-0.0009
AT.	102 O	X	-0.0013	-0.0005	0.0014	0.0012	0.0000	-0.0006
		Y	-0.0033	-0.0030	0.0010	0.0038	0.0021	0.0013
		Z	-0.0045	-0.0046	0.0021	0.0054	0.0034	0.0009
AT.	103 O	X	-0.0013	0.0005	0.0014	0.0012	0.0000	0.0006
		Y	0.0033	-0.0030	-0.0010	-0.0038	0.0021	0.0013
		Z	-0.0045	0.0046	0.0021	0.0054	-0.0034	-0.0009
AT.	104 O	X	0.0013	-0.0005	-0.0014	0.0012	0.0000	0.0006
		Y	-0.0033	0.0030	0.0010	-0.0038	0.0021	0.0013
		Z	-0.0045	0.0046	0.0021	-0.0054	0.0034	0.0009
AT.	105 O	X	0.0013	-0.0005	0.0014	-0.0012	0.0000	0.0006
		Y	0.0033	-0.0030	0.0010	-0.0038	0.0021	-0.0013
		Z	-0.0045	0.0046	-0.0021	0.0054	-0.0034	0.0009
AT.	106 O	X	-0.0013	0.0005	-0.0014	-0.0012	0.0000	0.0006
		Y	-0.0033	0.0030	-0.0010	-0.0038	0.0021	-0.0013
		Z	-0.0045	0.0046	-0.0021	-0.0054	0.0034	-0.0009
AT.	107 O	X	-0.0013	-0.0005	-0.0014	-0.0012	0.0000	-0.0006
		Y	0.0033	0.0030	0.0010	0.0038	0.0021	-0.0013
		Z	-0.0045	-0.0046	-0.0021	-0.0054	-0.0034	0.0009
AT.	108 O	X	0.0013	0.0005	0.0014	-0.0012	0.0000	-0.0006
		Y	-0.0033	-0.0030	-0.0010	0.0038	0.0021	-0.0013
		Z	-0.0045	-0.0046	-0.0021	0.0054	0.0034	-0.0009

AT. 109 O	X	0.0023	-0.0025	-0.0085	-0.0006	-0.0045	-0.0141
	Y	-0.0004	-0.0004	0.0008	-0.0005	-0.0003	0.0009
	Z	-0.0012	-0.0019	0.0011	-0.0017	-0.0014	0.0005
AT. 110 O	X	-0.0023	0.0025	0.0085	-0.0006	-0.0045	-0.0141
	Y	0.0004	0.0004	-0.0008	-0.0005	-0.0003	0.0009
	Z	-0.0012	-0.0019	0.0011	0.0017	0.0014	-0.0005
AT. 111 O	X	-0.0023	-0.0025	0.0085	-0.0006	0.0045	0.0141
	Y	-0.0004	0.0004	0.0008	0.0005	-0.0003	0.0009
	Z	-0.0012	0.0019	0.0011	0.0017	-0.0014	0.0005
AT. 112 O	X	0.0023	0.0025	-0.0085	-0.0006	0.0045	0.0141
	Y	0.0004	-0.0004	-0.0008	0.0005	-0.0003	0.0009
	Z	-0.0012	0.0019	0.0011	-0.0017	0.0014	-0.0005
AT. 113 O	X	0.0023	0.0025	0.0085	0.0006	-0.0045	0.0141
	Y	-0.0004	0.0004	-0.0008	0.0005	-0.0003	-0.0009
	Z	-0.0012	0.0019	-0.0011	0.0017	-0.0014	-0.0005
AT. 114 O	X	-0.0023	-0.0025	-0.0085	0.0006	-0.0045	0.0141
	Y	0.0004	-0.0004	0.0008	0.0005	-0.0003	-0.0009
	Z	-0.0012	0.0019	-0.0011	-0.0017	0.0014	0.0005
AT. 115 O	X	-0.0023	0.0025	-0.0085	0.0006	0.0045	-0.0141
	Y	-0.0004	-0.0004	-0.0008	-0.0005	-0.0003	-0.0009
	Z	-0.0012	-0.0019	-0.0011	-0.0017	-0.0014	-0.0005
AT. 116 O	X	0.0023	-0.0025	0.0085	0.0006	0.0045	-0.0141
	Y	0.0004	0.0004	0.0008	-0.0005	-0.0003	-0.0009
	Z	-0.0012	-0.0019	-0.0011	0.0017	0.0014	0.0005
AT. 117 O	X	0.0013	-0.0040	-0.0040	0.0021	-0.0043	-0.0064
	Y	0.0020	-0.0025	-0.0036	0.0030	-0.0030	-0.0057
	Z	0.0014	-0.0046	-0.0028	0.0024	-0.0047	-0.0064
AT. 118 O	X	-0.0013	0.0040	0.0040	0.0021	-0.0043	-0.0064
	Y	-0.0020	0.0025	0.0036	0.0030	-0.0030	-0.0057
	Z	0.0014	-0.0046	-0.0028	-0.0024	0.0047	0.0064
AT. 119 O	X	-0.0013	-0.0040	0.0040	0.0021	0.0043	0.0064
	Y	0.0020	0.0025	-0.0036	-0.0030	-0.0030	-0.0057
	Z	0.0014	0.0046	-0.0028	-0.0024	-0.0047	-0.0064
AT. 120 O	X	0.0013	0.0040	-0.0040	0.0021	0.0043	0.0064
	Y	-0.0020	-0.0025	0.0036	-0.0030	-0.0030	-0.0057
	Z	0.0014	0.0046	-0.0028	0.0024	0.0047	0.0064
AT. 121 O	X	0.0013	0.0040	0.0040	-0.0021	-0.0043	0.0064
	Y	0.0020	0.0025	0.0036	-0.0030	-0.0030	0.0057
	Z	0.0014	0.0046	0.0028	-0.0024	-0.0047	0.0064
AT. 122 O	X	-0.0013	-0.0040	-0.0040	-0.0021	-0.0043	0.0064
	Y	-0.0020	-0.0025	-0.0036	-0.0030	-0.0030	0.0057
	Z	0.0014	0.0046	0.0028	0.0024	0.0047	-0.0064
AT. 123 O	X	-0.0013	0.0040	-0.0040	-0.0021	0.0043	-0.0064
	Y	0.0020	-0.0025	0.0036	0.0030	-0.0030	0.0057
	Z	0.0014	-0.0046	0.0028	0.0024	-0.0047	0.0064
AT. 124 O	X	0.0013	-0.0040	0.0040	-0.0021	0.0043	-0.0064
	Y	-0.0020	0.0025	-0.0036	0.0030	-0.0030	0.0057
	Z	0.0014	-0.0046	0.0028	-0.0024	0.0047	-0.0064
FREQ(CM**-1)		956.81	959.64	974.54	975.93	979.87	982.63
AT. 1 SI	X	0.0003	-0.0002	-0.0012	-0.0007	-0.0011	0.0002
	Y	-0.0074	0.0061	0.0005	0.0003	0.0002	-0.0002
	Z	0.0013	-0.0011	0.0023	0.0040	-0.0012	-0.0005
AT. 2 SI	X	0.0003	0.0002	0.0012	-0.0007	0.0011	0.0002
	Y	-0.0074	-0.0061	-0.0005	0.0003	-0.0002	-0.0002
	Z	-0.0013	-0.0011	0.0023	-0.0040	-0.0012	0.0005
AT. 3 SI	X	0.0003	-0.0002	-0.0012	0.0007	0.0011	0.0002
	Y	0.0074	-0.0061	-0.0005	0.0003	0.0002	0.0002
	Z	-0.0013	0.0011	-0.0023	0.0040	-0.0012	0.0005
AT. 4 SI	X	0.0003	0.0002	0.0012	0.0007	-0.0011	0.0002

	Y	0.0074	0.0061	0.0005	0.0003	-0.0002	0.0002
	Z	0.0013	0.0011	-0.0023	-0.0040	-0.0012	-0.0005
AT. 5 SI	X	0.0003	-0.0002	0.0012	-0.0007	-0.0011	0.0002
	Y	-0.0074	0.0061	-0.0005	0.0003	0.0002	-0.0002
	Z	0.0013	-0.0011	-0.0023	0.0040	-0.0012	-0.0005
AT. 6 SI	X	0.0003	0.0002	-0.0012	-0.0007	0.0011	0.0002
	Y	-0.0074	-0.0061	0.0005	0.0003	-0.0002	-0.0002
	Z	-0.0013	-0.0011	-0.0023	-0.0040	-0.0012	0.0005
AT. 7 SI	X	0.0003	-0.0002	0.0012	0.0007	0.0011	0.0002
	Y	0.0074	-0.0061	0.0005	0.0003	0.0002	0.0002
	Z	-0.0013	0.0011	0.0023	0.0040	-0.0012	0.0005
AT. 8 SI	X	0.0003	0.0002	-0.0012	0.0007	-0.0011	0.0002
	Y	0.0074	0.0061	-0.0005	0.0003	-0.0002	0.0002
	Z	0.0013	0.0011	0.0023	-0.0040	-0.0012	-0.0005
AT. 9 SI	X	0.0053	-0.0100	-0.0117	-0.0114	-0.0152	-0.0139
	Y	-0.0091	0.0069	0.0005	0.0008	-0.0046	-0.0053
	Z	-0.0076	0.0058	0.0034	0.0037	0.0031	0.0018
AT. 10 SI	X	0.0053	0.0100	0.0117	-0.0114	0.0152	-0.0139
	Y	-0.0091	-0.0069	-0.0005	0.0008	0.0046	-0.0053
	Z	0.0076	0.0058	0.0034	-0.0037	0.0031	-0.0018
AT. 11 SI	X	0.0053	-0.0100	-0.0117	0.0114	0.0152	-0.0139
	Y	0.0091	-0.0069	-0.0005	0.0008	-0.0046	0.0053
	Z	0.0076	-0.0058	-0.0034	0.0037	0.0031	-0.0018
AT. 12 SI	X	0.0053	0.0100	0.0117	0.0114	-0.0152	-0.0139
	Y	0.0091	0.0069	0.0005	0.0008	0.0046	0.0053
	Z	-0.0076	-0.0058	-0.0034	-0.0037	0.0031	0.0018
AT. 13 SI	X	0.0053	-0.0100	0.0117	-0.0114	-0.0152	-0.0139
	Y	-0.0091	0.0069	-0.0005	0.0008	-0.0046	-0.0053
	Z	-0.0076	0.0058	-0.0034	0.0037	0.0031	0.0018
AT. 14 SI	X	0.0053	0.0100	-0.0117	-0.0114	0.0152	-0.0139
	Y	-0.0091	-0.0069	0.0005	0.0008	0.0046	-0.0053
	Z	0.0076	0.0058	-0.0034	-0.0037	0.0031	-0.0018
AT. 15 SI	X	0.0053	-0.0100	0.0117	0.0114	0.0152	-0.0139
	Y	0.0091	-0.0069	0.0005	0.0008	-0.0046	0.0053
	Z	0.0076	-0.0058	0.0034	0.0037	0.0031	-0.0018
AT. 16 SI	X	0.0053	0.0100	-0.0117	0.0114	-0.0152	-0.0139
	Y	0.0091	0.0069	-0.0005	0.0008	0.0046	0.0053
	Z	-0.0076	-0.0058	0.0034	-0.0037	0.0031	0.0018
AT. 17 SI	X	0.0061	0.0000	0.0000	0.0000	0.0011	0.0062
	Y	0.0000	-0.0069	-0.0127	-0.0123	0.0000	0.0000
	Z	0.0026	0.0000	0.0000	0.0000	0.0014	0.0035
AT. 18 SI	X	0.0061	0.0000	0.0000	0.0000	-0.0011	0.0062
	Y	0.0000	0.0069	0.0127	-0.0123	0.0000	0.0000
	Z	-0.0026	0.0000	0.0000	0.0000	0.0014	-0.0035
AT. 19 SI	X	0.0061	0.0000	0.0000	0.0000	0.0011	0.0062
	Y	0.0000	-0.0069	0.0127	-0.0123	0.0000	0.0000
	Z	0.0026	0.0000	0.0000	0.0000	0.0014	0.0035
AT. 20 SI	X	0.0061	0.0000	0.0000	0.0000	-0.0011	0.0062
	Y	0.0000	0.0069	-0.0127	-0.0123	0.0000	0.0000
	Z	-0.0026	0.0000	0.0000	0.0000	0.0014	-0.0035
AT. 21 CA	X	0.0000	0.0000	-0.0001	-0.0001	-0.0001	0.0000
	Y	-0.0001	0.0001	0.0000	0.0000	0.0000	0.0000
	Z	0.0000	0.0000	0.0003	0.0005	-0.0001	0.0001
AT. 22 CA	X	0.0000	0.0000	0.0001	-0.0001	0.0001	0.0000
	Y	-0.0001	-0.0001	0.0000	0.0000	0.0000	0.0000
	Z	0.0000	0.0000	0.0003	-0.0005	-0.0001	-0.0001
AT. 23 CA	X	0.0000	0.0000	-0.0001	0.0001	0.0001	0.0000
	Y	0.0001	-0.0001	0.0000	0.0000	0.0000	0.0000
	Z	0.0000	0.0000	-0.0003	0.0005	-0.0001	-0.0001
AT. 24 CA	X	0.0000	0.0000	0.0001	0.0001	-0.0001	0.0000
	Y	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000

	Z	0.0000	0.0000	-0.0003	-0.0005	-0.0001	0.0001
AT. 25 CA	X	0.0000	0.0000	0.0001	-0.0001	-0.0001	0.0000
	Y	-0.0001	0.0001	0.0000	0.0000	0.0000	0.0000
	Z	0.0000	0.0000	-0.0003	0.0005	-0.0001	0.0001
AT. 26 CA	X	0.0000	0.0000	-0.0001	-0.0001	0.0001	0.0000
	Y	-0.0001	-0.0001	0.0000	0.0000	0.0000	0.0000
	Z	0.0000	0.0000	-0.0003	-0.0005	-0.0001	-0.0001
AT. 27 CA	X	0.0000	0.0000	0.0001	0.0001	0.0001	0.0000
	Y	0.0001	-0.0001	0.0000	0.0000	0.0000	0.0000
	Z	0.0000	0.0000	0.0003	0.0005	-0.0001	-0.0001
AT. 28 CA	X	0.0000	0.0000	-0.0001	0.0001	-0.0001	0.0000
	Y	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000
	Z	0.0000	0.0000	0.0003	-0.0005	-0.0001	0.0001
AT. 29 CA	X	0.0001	-0.0001	0.0000	0.0000	0.0001	0.0000
	Y	-0.0012	0.0010	0.0000	0.0000	0.0000	0.0000
	Z	0.0004	-0.0003	0.0000	0.0005	-0.0002	0.0000
AT. 30 CA	X	0.0001	0.0001	0.0000	0.0000	-0.0001	0.0000
	Y	-0.0012	-0.0010	0.0000	0.0000	0.0000	0.0000
	Z	-0.0004	-0.0003	0.0000	-0.0005	-0.0002	0.0000
AT. 31 CA	X	0.0001	-0.0001	0.0000	0.0000	-0.0001	0.0000
	Y	0.0012	-0.0010	0.0000	0.0000	0.0000	0.0000
	Z	-0.0004	0.0003	0.0000	0.0005	-0.0002	0.0000
AT. 32 CA	X	0.0001	0.0001	0.0000	0.0000	0.0001	0.0000
	Y	0.0012	0.0010	0.0000	0.0000	0.0000	0.0000
	Z	0.0004	0.0003	0.0000	-0.0005	-0.0002	0.0000
AT. 33 CA	X	-0.0001	0.0002	0.0004	0.0004	0.0005	0.0004
	Y	-0.0011	0.0010	0.0002	0.0002	0.0000	-0.0001
	Z	-0.0002	0.0001	0.0004	0.0005	-0.0001	0.0000
AT. 34 CA	X	-0.0001	-0.0002	-0.0004	0.0004	-0.0005	0.0004
	Y	-0.0011	-0.0010	-0.0002	0.0002	0.0000	-0.0001
	Z	0.0002	0.0001	0.0004	-0.0005	-0.0001	0.0000
AT. 35 CA	X	-0.0001	0.0002	0.0004	-0.0004	-0.0005	0.0004
	Y	0.0011	-0.0010	-0.0002	0.0002	0.0000	0.0001
	Z	0.0002	-0.0001	-0.0004	0.0005	-0.0001	0.0000
AT. 36 CA	X	-0.0001	-0.0002	-0.0004	-0.0004	0.0005	0.0004
	Y	0.0011	0.0010	0.0002	0.0002	0.0000	0.0001
	Z	-0.0002	-0.0001	-0.0004	-0.0005	-0.0001	0.0000
AT. 37 CA	X	-0.0001	0.0002	-0.0004	0.0004	0.0005	0.0004
	Y	-0.0011	0.0010	-0.0002	0.0002	0.0000	-0.0001
	Z	-0.0002	0.0001	-0.0004	0.0005	-0.0001	0.0000
AT. 38 CA	X	-0.0001	-0.0002	0.0004	0.0004	-0.0005	0.0004
	Y	-0.0011	-0.0010	0.0002	0.0002	0.0000	-0.0001
	Z	0.0002	0.0001	-0.0004	-0.0005	-0.0001	0.0000
AT. 39 CA	X	-0.0001	0.0002	-0.0004	-0.0004	-0.0005	0.0004
	Y	0.0011	-0.0010	0.0002	0.0002	0.0000	0.0001
	Z	0.0002	-0.0001	0.0004	0.0005	-0.0001	0.0000
AT. 40 CA	X	-0.0001	-0.0002	0.0004	-0.0004	0.0005	0.0004
	Y	0.0011	0.0010	-0.0002	0.0002	0.0000	0.0001
	Z	-0.0002	-0.0001	0.0004	-0.0005	-0.0001	0.0000
AT. 41 CA	X	-0.0003	0.0001	-0.0002	-0.0002	-0.0004	0.0001
	Y	-0.0003	0.0003	-0.0001	-0.0001	0.0001	-0.0003
	Z	0.0005	-0.0001	0.0002	0.0002	0.0002	-0.0001
AT. 42 CA	X	-0.0003	-0.0001	0.0002	-0.0002	0.0004	0.0001
	Y	-0.0003	-0.0003	0.0001	-0.0001	-0.0001	-0.0003
	Z	-0.0005	-0.0001	0.0002	-0.0002	0.0002	0.0001
AT. 43 CA	X	-0.0003	0.0001	-0.0002	0.0002	0.0004	0.0001
	Y	0.0003	-0.0003	0.0001	-0.0001	0.0001	0.0003
	Z	-0.0005	0.0001	-0.0002	0.0002	0.0002	0.0001
AT. 44 CA	X	-0.0003	-0.0001	0.0002	0.0002	-0.0004	0.0001
	Y	0.0003	0.0003	-0.0001	-0.0001	-0.0001	0.0003
	Z	0.0005	0.0001	-0.0002	-0.0002	0.0002	-0.0001

AT.	45	CA	X	-0.0003	0.0001	0.0002	-0.0002	-0.0004	0.0001
			Y	-0.0003	0.0003	0.0001	-0.0001	0.0001	-0.0003
			Z	0.0005	-0.0001	-0.0002	0.0002	0.0002	-0.0001
AT.	46	CA	X	-0.0003	-0.0001	-0.0002	-0.0002	0.0004	0.0001
			Y	-0.0003	-0.0003	-0.0001	-0.0001	-0.0001	-0.0003
			Z	-0.0005	-0.0001	-0.0002	-0.0002	0.0002	0.0001
AT.	47	CA	X	-0.0003	0.0001	0.0002	0.0002	0.0004	0.0001
			Y	0.0003	-0.0003	-0.0001	-0.0001	0.0001	0.0003
			Z	-0.0005	0.0001	0.0002	0.0002	0.0002	0.0001
AT.	48	CA	X	-0.0003	-0.0001	-0.0002	0.0002	-0.0004	0.0001
			Y	0.0003	0.0003	0.0001	-0.0001	-0.0001	0.0003
			Z	0.0005	0.0001	0.0002	-0.0002	0.0002	-0.0001
AT.	49	CA	X	0.0001	0.0000	0.0000	0.0000	0.0005	0.0005
			Y	0.0000	0.0004	0.0005	0.0005	0.0000	0.0000
			Z	0.0002	0.0000	0.0000	0.0000	0.0000	-0.0003
AT.	50	CA	X	0.0001	0.0000	0.0000	0.0000	-0.0005	0.0005
			Y	0.0000	-0.0004	-0.0005	0.0005	0.0000	0.0000
			Z	-0.0002	0.0000	0.0000	0.0000	0.0000	0.0003
AT.	51	CA	X	0.0001	0.0000	0.0000	0.0000	0.0005	0.0005
			Y	0.0000	0.0004	-0.0005	0.0005	0.0000	0.0000
			Z	0.0002	0.0000	0.0000	0.0000	0.0000	-0.0003
AT.	52	CA	X	0.0001	0.0000	0.0000	0.0000	-0.0005	0.0005
			Y	0.0000	-0.0004	0.0005	0.0005	0.0000	0.0000
			Z	-0.0002	0.0000	0.0000	0.0000	0.0000	0.0003
AT.	53	O	X	0.0017	-0.0013	0.0002	0.0002	0.0002	0.0001
			Y	0.0083	-0.0068	-0.0001	0.0001	0.0001	0.0001
			Z	-0.0005	0.0004	-0.0006	-0.0011	0.0002	-0.0001
AT.	54	O	X	0.0017	0.0013	-0.0002	0.0002	-0.0002	0.0001
			Y	0.0083	0.0068	0.0001	0.0001	-0.0001	0.0001
			Z	0.0005	0.0004	-0.0006	0.0011	0.0002	0.0001
AT.	55	O	X	0.0017	-0.0013	0.0002	-0.0002	-0.0002	0.0001
			Y	-0.0083	0.0068	0.0001	0.0001	0.0001	-0.0001
			Z	0.0005	-0.0004	0.0006	-0.0011	0.0002	0.0001
AT.	56	O	X	0.0017	0.0013	-0.0002	-0.0002	0.0002	0.0001
			Y	-0.0083	-0.0068	-0.0001	0.0001	-0.0001	-0.0001
			Z	-0.0005	-0.0004	0.0006	0.0011	0.0002	-0.0001
AT.	57	O	X	0.0017	-0.0013	-0.0002	0.0002	0.0002	0.0001
			Y	0.0083	-0.0068	0.0001	0.0001	0.0001	0.0001
			Z	-0.0005	0.0004	0.0006	-0.0011	0.0002	-0.0001
AT.	58	O	X	0.0017	0.0013	0.0002	0.0002	-0.0002	0.0001
			Y	0.0083	0.0068	-0.0001	0.0001	-0.0001	0.0001
			Z	0.0005	0.0004	0.0006	0.0011	0.0002	0.0001
AT.	59	O	X	0.0017	-0.0013	-0.0002	-0.0002	-0.0002	0.0001
			Y	-0.0083	0.0068	-0.0001	0.0001	0.0001	-0.0001
			Z	0.0005	-0.0004	-0.0006	-0.0011	0.0002	0.0001
AT.	60	O	X	0.0017	0.0013	0.0002	-0.0002	0.0002	0.0001
			Y	-0.0083	-0.0068	0.0001	0.0001	-0.0001	-0.0001
			Z	-0.0005	-0.0004	-0.0006	0.0011	0.0002	-0.0001
AT.	61	O	X	-0.0008	0.0007	0.0010	0.0013	0.0001	-0.0001
			Y	0.0031	-0.0025	-0.0013	-0.0018	0.0001	0.0006
			Z	0.0018	-0.0015	-0.0034	-0.0046	0.0003	0.0009
AT.	62	O	X	-0.0008	-0.0007	-0.0010	0.0013	-0.0001	-0.0001
			Y	0.0031	0.0025	0.0013	-0.0018	-0.0001	0.0006
			Z	-0.0018	-0.0015	-0.0034	0.0046	0.0003	-0.0009
AT.	63	O	X	-0.0008	0.0007	0.0010	-0.0013	-0.0001	-0.0001
			Y	-0.0031	0.0025	0.0013	-0.0018	0.0001	-0.0006
			Z	-0.0018	0.0015	0.0034	-0.0046	0.0003	-0.0009
AT.	64	O	X	-0.0008	-0.0007	-0.0010	-0.0013	0.0001	-0.0001
			Y	-0.0031	-0.0025	-0.0013	-0.0018	-0.0001	-0.0006
			Z	0.0018	0.0015	0.0034	0.0046	0.0003	0.0009
AT.	65	O	X	-0.0008	0.0007	-0.0010	0.0013	0.0001	-0.0001

		Y	0.0031	-0.0025	0.0013	-0.0018	0.0001	0.0006
		Z	0.0018	-0.0015	0.0034	-0.0046	0.0003	0.0009
AT.	66 O	X	-0.0008	-0.0007	0.0010	0.0013	-0.0001	-0.0001
		Y	0.0031	0.0025	-0.0013	-0.0018	-0.0001	0.0006
		Z	-0.0018	-0.0015	0.0034	0.0046	0.0003	-0.0009
AT.	67 O	X	-0.0008	0.0007	-0.0010	-0.0013	-0.0001	-0.0001
		Y	-0.0031	0.0025	-0.0013	-0.0018	0.0001	-0.0006
		Z	-0.0018	0.0015	-0.0034	-0.0046	0.0003	-0.0009
AT.	68 O	X	-0.0008	-0.0007	0.0010	-0.0013	0.0001	-0.0001
		Y	-0.0031	-0.0025	0.0013	-0.0018	-0.0001	-0.0006
		Z	0.0018	0.0015	-0.0034	0.0046	0.0003	0.0009
AT.	69 O	X	-0.0013	0.0011	-0.0003	-0.0009	0.0005	0.0001
		Y	0.0038	-0.0031	0.0005	0.0012	-0.0006	-0.0001
		Z	-0.0042	0.0035	-0.0011	-0.0032	0.0018	0.0002
AT.	70 O	X	-0.0013	-0.0011	0.0003	-0.0009	-0.0005	0.0001
		Y	0.0038	0.0031	-0.0005	0.0012	0.0006	-0.0001
		Z	0.0042	0.0035	-0.0011	0.0032	0.0018	-0.0002
AT.	71 O	X	-0.0013	0.0011	-0.0003	0.0009	-0.0005	0.0001
		Y	-0.0038	0.0031	-0.0005	0.0012	-0.0006	0.0001
		Z	0.0042	-0.0035	0.0011	-0.0032	0.0018	-0.0002
AT.	72 O	X	-0.0013	-0.0011	0.0003	0.0009	0.0005	0.0001
		Y	-0.0038	-0.0031	0.0005	0.0012	0.0006	0.0001
		Z	-0.0042	-0.0035	0.0011	0.0032	0.0018	0.0002
AT.	73 O	X	-0.0013	0.0011	0.0003	-0.0009	0.0005	0.0001
		Y	0.0038	-0.0031	-0.0005	0.0012	-0.0006	-0.0001
		Z	-0.0042	0.0035	0.0011	-0.0032	0.0018	0.0002
AT.	74 O	X	-0.0013	-0.0011	-0.0003	-0.0009	-0.0005	0.0001
		Y	0.0038	0.0031	0.0005	0.0012	0.0006	-0.0001
		Z	0.0042	0.0035	0.0011	0.0032	0.0018	-0.0002
AT.	75 O	X	-0.0013	0.0011	0.0003	0.0009	-0.0005	0.0001
		Y	-0.0038	0.0031	0.0005	0.0012	-0.0006	0.0001
		Z	0.0042	-0.0035	-0.0011	-0.0032	0.0018	-0.0002
AT.	76 O	X	-0.0013	-0.0011	-0.0003	0.0009	0.0005	0.0001
		Y	-0.0038	-0.0031	-0.0005	0.0012	0.0006	0.0001
		Z	-0.0042	-0.0035	-0.0011	0.0032	0.0018	0.0002
AT.	77 O	X	-0.0003	0.0002	0.0010	0.0005	0.0010	-0.0004
		Y	0.0025	-0.0021	0.0000	0.0000	0.0001	0.0000
		Z	-0.0002	0.0001	-0.0005	-0.0011	0.0005	0.0001
AT.	78 O	X	-0.0003	-0.0002	-0.0010	0.0005	-0.0010	-0.0004
		Y	0.0025	0.0021	0.0000	0.0000	-0.0001	0.0000
		Z	0.0002	0.0001	-0.0005	0.0011	0.0005	-0.0001
AT.	79 O	X	-0.0003	0.0002	0.0010	-0.0005	-0.0010	-0.0004
		Y	-0.0025	0.0021	0.0000	0.0000	0.0001	0.0000
		Z	0.0002	-0.0001	0.0005	-0.0011	0.0005	-0.0001
AT.	80 O	X	-0.0003	-0.0002	-0.0010	-0.0005	0.0010	-0.0004
		Y	-0.0025	-0.0021	0.0000	0.0000	-0.0001	0.0000
		Z	-0.0002	-0.0001	0.0005	0.0011	0.0005	0.0001
AT.	81 O	X	-0.0003	0.0002	-0.0010	0.0005	0.0010	-0.0004
		Y	0.0025	-0.0021	0.0000	0.0000	0.0001	0.0000
		Z	-0.0002	0.0001	0.0005	-0.0011	0.0005	0.0001
AT.	82 O	X	-0.0003	-0.0002	0.0010	0.0005	-0.0010	-0.0004
		Y	0.0025	0.0021	0.0000	0.0000	-0.0001	0.0000
		Z	0.0002	0.0001	0.0005	0.0011	0.0005	-0.0001
AT.	83 O	X	-0.0003	0.0002	-0.0010	-0.0005	-0.0010	-0.0004
		Y	-0.0025	0.0021	0.0000	0.0000	0.0001	0.0000
		Z	0.0002	-0.0001	-0.0005	-0.0011	0.0005	-0.0001
AT.	84 O	X	-0.0003	-0.0002	0.0010	-0.0005	0.0010	-0.0004
		Y	-0.0025	-0.0021	0.0000	0.0000	-0.0001	0.0000
		Z	-0.0002	-0.0001	-0.0005	0.0011	0.0005	0.0001
AT.	85 O	X	-0.0047	0.0043	0.0028	0.0029	0.0029	0.0022
		Y	0.0064	-0.0059	-0.0031	-0.0033	-0.0031	-0.0022

		Z	0.0106	-0.0095	-0.0058	-0.0063	-0.0058	-0.0048
AT.	86 O	X	-0.0047	-0.0043	-0.0028	0.0029	-0.0029	0.0022
		Y	0.0064	0.0059	0.0031	-0.0033	0.0031	-0.0022
		Z	-0.0106	-0.0095	-0.0058	0.0063	-0.0058	0.0048
AT.	87 O	X	-0.0047	0.0043	0.0028	-0.0029	-0.0029	0.0022
		Y	-0.0064	0.0059	0.0031	-0.0033	-0.0031	0.0022
		Z	-0.0106	0.0095	0.0058	-0.0063	-0.0058	0.0048
AT.	88 O	X	-0.0047	-0.0043	-0.0028	-0.0029	0.0029	0.0022
		Y	-0.0064	-0.0059	-0.0031	-0.0033	0.0031	0.0022
		Z	0.0106	0.0095	0.0058	0.0063	-0.0058	-0.0048
AT.	89 O	X	-0.0047	0.0043	-0.0028	0.0029	0.0029	0.0022
		Y	0.0064	-0.0059	0.0031	-0.0033	-0.0031	-0.0022
		Z	0.0106	-0.0095	0.0058	-0.0063	-0.0058	-0.0048
AT.	90 O	X	-0.0047	-0.0043	0.0028	0.0029	-0.0029	0.0022
		Y	0.0064	0.0059	-0.0031	-0.0033	0.0031	-0.0022
		Z	-0.0106	-0.0095	0.0058	0.0063	-0.0058	0.0048
AT.	91 O	X	-0.0047	0.0043	-0.0028	-0.0029	-0.0029	0.0022
		Y	-0.0064	0.0059	-0.0031	-0.0033	-0.0031	0.0022
		Z	-0.0106	0.0095	-0.0058	-0.0063	-0.0058	0.0048
AT.	92 O	X	-0.0047	-0.0043	0.0028	-0.0029	0.0029	0.0022
		Y	-0.0064	-0.0059	0.0031	-0.0033	0.0031	0.0022
		Z	0.0106	0.0095	-0.0058	0.0063	-0.0058	-0.0048
AT.	93 O	X	0.0038	-0.0020	0.0014	0.0013	0.0044	0.0046
		Y	0.0111	-0.0064	0.0018	0.0013	0.0108	0.0120
		Z	0.0013	-0.0007	0.0000	-0.0002	0.0010	0.0011
AT.	94 O	X	0.0038	0.0020	-0.0014	0.0013	-0.0044	0.0046
		Y	0.0111	0.0064	-0.0018	0.0013	-0.0108	0.0120
		Z	-0.0013	-0.0007	0.0000	0.0002	0.0010	-0.0011
AT.	95 O	X	0.0038	-0.0020	0.0014	-0.0013	-0.0044	0.0046
		Y	-0.0111	0.0064	-0.0018	0.0013	0.0108	-0.0120
		Z	-0.0013	0.0007	0.0000	-0.0002	0.0010	-0.0011
AT.	96 O	X	0.0038	0.0020	-0.0014	-0.0013	0.0044	0.0046
		Y	-0.0111	-0.0064	0.0018	0.0013	-0.0108	-0.0120
		Z	0.0013	0.0007	0.0000	0.0002	0.0010	0.0011
AT.	97 O	X	0.0038	-0.0020	-0.0014	0.0013	0.0044	0.0046
		Y	0.0111	-0.0064	-0.0018	0.0013	0.0108	0.0120
		Z	0.0013	-0.0007	0.0000	-0.0002	0.0010	0.0011
AT.	98 O	X	0.0038	0.0020	0.0014	0.0013	-0.0044	0.0046
		Y	0.0111	0.0064	0.0018	0.0013	-0.0108	0.0120
		Z	-0.0013	-0.0007	0.0000	0.0002	0.0010	-0.0011
AT.	99 O	X	0.0038	-0.0020	-0.0014	-0.0013	-0.0044	0.0046
		Y	-0.0111	0.0064	0.0018	0.0013	0.0108	-0.0120
		Z	-0.0013	0.0007	0.0000	-0.0002	0.0010	-0.0011
AT.	100 O	X	0.0038	0.0020	0.0014	-0.0013	0.0044	0.0046
		Y	-0.0111	-0.0064	-0.0018	0.0013	-0.0108	-0.0120
		Z	0.0013	0.0007	0.0000	0.0002	0.0010	0.0011
AT.	101 O	X	-0.0013	0.0008	0.0020	0.0021	0.0006	-0.0004
		Y	-0.0012	-0.0004	0.0023	0.0024	-0.0006	-0.0017
		Z	0.0023	-0.0001	-0.0021	-0.0024	0.0009	0.0026
AT.	102 O	X	-0.0013	-0.0008	-0.0020	0.0021	-0.0006	-0.0004
		Y	-0.0012	0.0004	-0.0023	0.0024	0.0006	-0.0017
		Z	-0.0023	-0.0001	-0.0021	0.0024	0.0009	-0.0026
AT.	103 O	X	-0.0013	0.0008	0.0020	-0.0021	-0.0006	-0.0004
		Y	0.0012	0.0004	-0.0023	0.0024	-0.0006	0.0017
		Z	-0.0023	0.0001	0.0021	-0.0024	0.0009	-0.0026
AT.	104 O	X	-0.0013	-0.0008	-0.0020	-0.0021	0.0006	-0.0004
		Y	0.0012	-0.0004	0.0023	0.0024	0.0006	0.0017
		Z	0.0023	0.0001	0.0021	0.0024	0.0009	0.0026
AT.	105 O	X	-0.0013	0.0008	-0.0020	0.0021	0.0006	-0.0004
		Y	-0.0012	-0.0004	-0.0023	0.0024	-0.0006	-0.0017
		Z	0.0023	-0.0001	0.0021	-0.0024	0.0009	0.0026

AT. 106 O	X	-0.0013	-0.0008	0.0020	0.0021	-0.0006	-0.0004
	Y	-0.0012	0.0004	0.0023	0.0024	0.0006	-0.0017
	Z	-0.0023	-0.0001	0.0021	0.0024	0.0009	-0.0026
AT. 107 O	X	-0.0013	0.0008	-0.0020	-0.0021	-0.0006	-0.0004
	Y	0.0012	0.0004	0.0023	0.0024	-0.0006	0.0017
	Z	-0.0023	0.0001	-0.0021	-0.0024	0.0009	-0.0026
AT. 108 O	X	-0.0013	-0.0008	0.0020	-0.0021	0.0006	-0.0004
	Y	0.0012	-0.0004	-0.0023	0.0024	0.0006	0.0017
	Z	0.0023	0.0001	-0.0021	0.0024	0.0009	0.0026
AT. 109 O	X	-0.0073	0.0134	0.0144	0.0141	0.0170	0.0155
	Y	0.0007	-0.0007	0.0000	0.0000	0.0008	0.0007
	Z	0.0013	-0.0007	-0.0007	-0.0009	-0.0010	-0.0006
AT. 110 O	X	-0.0073	-0.0134	-0.0144	0.0141	-0.0170	0.0155
	Y	0.0007	0.0007	0.0000	0.0000	-0.0008	0.0007
	Z	-0.0013	-0.0007	-0.0007	0.0009	-0.0010	0.0006
AT. 111 O	X	-0.0073	0.0134	0.0144	-0.0141	-0.0170	0.0155
	Y	-0.0007	0.0007	0.0000	0.0000	0.0008	-0.0007
	Z	-0.0013	0.0007	0.0007	-0.0009	-0.0010	0.0006
AT. 112 O	X	-0.0073	-0.0134	-0.0144	-0.0141	0.0170	0.0155
	Y	-0.0007	-0.0007	0.0000	0.0000	-0.0008	-0.0007
	Z	0.0013	0.0007	0.0007	0.0009	-0.0010	-0.0006
AT. 113 O	X	-0.0073	0.0134	-0.0144	0.0141	0.0170	0.0155
	Y	0.0007	-0.0007	0.0000	0.0000	0.0008	0.0007
	Z	0.0013	-0.0007	0.0007	-0.0009	-0.0010	-0.0006
AT. 114 O	X	-0.0073	-0.0134	0.0144	0.0141	-0.0170	0.0155
	Y	0.0007	0.0007	0.0000	0.0000	-0.0008	0.0007
	Z	-0.0013	-0.0007	0.0007	0.0009	-0.0010	0.0006
AT. 115 O	X	-0.0073	0.0134	-0.0144	-0.0141	-0.0170	0.0155
	Y	-0.0007	0.0007	0.0000	0.0000	0.0008	-0.0007
	Z	-0.0013	0.0007	-0.0007	-0.0009	-0.0010	0.0006
AT. 116 O	X	-0.0073	-0.0134	0.0144	-0.0141	0.0170	0.0155
	Y	-0.0007	-0.0007	0.0000	0.0000	-0.0008	-0.0007
	Z	0.0013	0.0007	-0.0007	0.0009	-0.0010	-0.0006
AT. 117 O	X	-0.0040	0.0058	0.0095	0.0089	-0.0013	-0.0050
	Y	-0.0037	0.0053	0.0085	0.0081	-0.0018	-0.0050
	Z	-0.0030	0.0058	0.0096	0.0090	-0.0020	-0.0045
AT. 118 O	X	-0.0040	-0.0058	-0.0095	0.0089	0.0013	-0.0050
	Y	-0.0037	-0.0053	-0.0085	0.0081	0.0018	-0.0050
	Z	0.0030	0.0058	0.0096	-0.0090	-0.0020	0.0045
AT. 119 O	X	-0.0040	0.0058	0.0095	-0.0089	0.0013	-0.0050
	Y	0.0037	-0.0053	-0.0085	0.0081	-0.0018	0.0050
	Z	0.0030	-0.0058	-0.0096	0.0090	-0.0020	0.0045
AT. 120 O	X	-0.0040	-0.0058	-0.0095	-0.0089	-0.0013	-0.0050
	Y	0.0037	0.0053	0.0085	0.0081	0.0018	0.0050
	Z	-0.0030	-0.0058	-0.0096	-0.0090	-0.0020	-0.0045
AT. 121 O	X	-0.0040	0.0058	-0.0095	0.0089	-0.0013	-0.0050
	Y	-0.0037	0.0053	-0.0085	0.0081	-0.0018	-0.0050
	Z	-0.0030	0.0058	-0.0096	0.0090	-0.0020	-0.0045
AT. 122 O	X	-0.0040	-0.0058	0.0095	0.0089	0.0013	-0.0050
	Y	-0.0037	-0.0053	0.0085	0.0081	0.0018	-0.0050
	Z	0.0030	0.0058	-0.0096	-0.0090	-0.0020	0.0045
AT. 123 O	X	-0.0040	0.0058	-0.0095	-0.0089	0.0013	-0.0050
	Y	0.0037	-0.0053	0.0085	0.0081	-0.0018	0.0050
	Z	0.0030	-0.0058	0.0096	0.0090	-0.0020	0.0045
AT. 124 O	X	-0.0040	-0.0058	0.0095	-0.0089	-0.0013	-0.0050
	Y	0.0037	0.0053	-0.0085	0.0081	0.0018	0.0050
	Z	-0.0030	-0.0058	0.0096	-0.0090	-0.0020	-0.0045

FREQ(CM**-1)	982.67	982.71	993.30	994.28	1001.19	1001.45

AT. 1 SI	X	-0.0003	-0.0010	-0.0003	-0.0004	0.0002	0.0004

	Y	0.0005	0.0003	-0.0001	-0.0001	-0.0017	-0.0023
	Z	0.0005	0.0017	0.0005	0.0007	-0.0022	-0.0012
AT. 2 SI	X	0.0003	-0.0010	0.0003	-0.0004	0.0002	-0.0004
	Y	-0.0005	0.0003	0.0001	-0.0001	-0.0017	0.0023
	Z	0.0005	-0.0017	0.0005	-0.0007	0.0022	-0.0012
AT. 3 SI	X	0.0003	-0.0010	-0.0003	0.0004	-0.0002	0.0004
	Y	0.0005	-0.0003	0.0001	-0.0001	-0.0017	0.0023
	Z	0.0005	-0.0017	-0.0005	0.0007	-0.0022	0.0012
AT. 4 SI	X	-0.0003	-0.0010	0.0003	0.0004	-0.0002	-0.0004
	Y	-0.0005	-0.0003	-0.0001	-0.0001	-0.0017	-0.0023
	Z	0.0005	0.0017	-0.0005	-0.0007	0.0022	0.0012
AT. 5 SI	X	0.0003	0.0010	0.0003	-0.0004	-0.0002	0.0004
	Y	-0.0005	-0.0003	0.0001	-0.0001	0.0017	-0.0023
	Z	-0.0005	-0.0017	-0.0005	0.0007	0.0022	-0.0012
AT. 6 SI	X	-0.0003	0.0010	-0.0003	-0.0004	-0.0002	-0.0004
	Y	0.0005	-0.0003	-0.0001	-0.0001	0.0017	0.0023
	Z	-0.0005	0.0017	-0.0005	-0.0007	-0.0022	-0.0012
AT. 7 SI	X	-0.0003	0.0010	0.0003	0.0004	0.0002	0.0004
	Y	-0.0005	0.0003	-0.0001	-0.0001	0.0017	0.0023
	Z	-0.0005	0.0017	0.0005	0.0007	0.0022	0.0012
AT. 8 SI	X	0.0003	0.0010	-0.0003	0.0004	0.0002	-0.0004
	Y	0.0005	0.0003	0.0001	-0.0001	0.0017	-0.0023
	Z	-0.0005	-0.0017	0.0005	-0.0007	-0.0022	0.0012
AT. 9 SI	X	0.0138	-0.0152	-0.0094	-0.0091	-0.0111	-0.0110
	Y	0.0053	-0.0032	-0.0045	-0.0044	-0.0102	-0.0104
	Z	-0.0017	0.0048	0.0044	0.0044	0.0013	0.0012
AT. 10 SI	X	-0.0138	-0.0152	0.0094	-0.0091	-0.0111	0.0110
	Y	-0.0053	-0.0032	0.0045	-0.0044	-0.0102	0.0104
	Z	-0.0017	-0.0048	0.0044	-0.0044	-0.0013	0.0012
AT. 11 SI	X	-0.0138	-0.0152	-0.0094	0.0091	0.0111	-0.0110
	Y	0.0053	0.0032	0.0045	-0.0044	-0.0102	0.0104
	Z	-0.0017	-0.0048	-0.0044	0.0044	0.0013	-0.0012
AT. 12 SI	X	0.0138	-0.0152	0.0094	0.0091	0.0111	0.0110
	Y	-0.0053	0.0032	-0.0045	-0.0044	-0.0102	-0.0104
	Z	-0.0017	0.0048	-0.0044	-0.0044	-0.0013	-0.0012
AT. 13 SI	X	-0.0138	0.0152	0.0094	-0.0091	0.0111	-0.0110
	Y	-0.0053	0.0032	0.0045	-0.0044	0.0102	-0.0104
	Z	0.0017	-0.0048	-0.0044	0.0044	-0.0013	0.0012
AT. 14 SI	X	0.0138	0.0152	-0.0094	-0.0091	0.0111	0.0110
	Y	0.0053	0.0032	-0.0045	-0.0044	0.0102	0.0104
	Z	0.0017	0.0048	-0.0044	-0.0044	0.0013	0.0012
AT. 15 SI	X	0.0138	0.0152	0.0094	0.0091	-0.0111	-0.0110
	Y	-0.0053	-0.0032	-0.0045	-0.0044	0.0102	0.0104
	Z	0.0017	0.0048	0.0044	0.0044	-0.0013	-0.0012
AT. 16 SI	X	-0.0138	0.0152	-0.0094	0.0091	-0.0111	0.0110
	Y	0.0053	-0.0032	0.0045	-0.0044	0.0102	-0.0104
	Z	0.0017	-0.0048	0.0044	-0.0044	0.0013	-0.0012
AT. 17 SI	X	-0.0063	-0.0008	0.0000	0.0000	0.0000	0.0000
	Y	0.0000	0.0000	0.0143	0.0146	0.0029	0.0030
	Z	-0.0036	0.0004	0.0000	0.0000	0.0000	0.0000
AT. 18 SI	X	0.0063	-0.0008	0.0000	0.0000	0.0000	0.0000
	Y	0.0000	0.0000	-0.0143	0.0146	0.0029	-0.0030
	Z	-0.0036	-0.0004	0.0000	0.0000	0.0000	0.0000
AT. 19 SI	X	0.0063	0.0008	0.0000	0.0000	0.0000	0.0000
	Y	0.0000	0.0000	-0.0143	0.0146	-0.0029	0.0030
	Z	0.0036	-0.0004	0.0000	0.0000	0.0000	0.0000
AT. 20 SI	X	-0.0063	0.0008	0.0000	0.0000	0.0000	0.0000
	Y	0.0000	0.0000	0.0143	0.0146	-0.0029	-0.0030
	Z	0.0036	0.0004	0.0000	0.0000	0.0000	0.0000
AT. 21 CA	X	0.0000	-0.0001	0.0000	0.0000	0.0000	0.0000
	Y	-0.0001	0.0000	0.0000	0.0000	0.0000	-0.0001

	Z	-0.0001	0.0003	0.0002	0.0002	0.0004	0.0003
AT. 22 CA	X	0.0000	-0.0001	0.0000	0.0000	0.0000	0.0000
	Y	0.0001	0.0000	0.0000	0.0000	0.0000	0.0001
	Z	-0.0001	-0.0003	0.0002	-0.0002	-0.0004	0.0003
AT. 23 CA	X	0.0000	-0.0001	0.0000	0.0000	0.0000	0.0000
	Y	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0001
	Z	-0.0001	-0.0003	-0.0002	0.0002	0.0004	-0.0003
AT. 24 CA	X	0.0000	-0.0001	0.0000	0.0000	0.0000	0.0000
	Y	0.0001	0.0000	0.0000	0.0000	0.0000	-0.0001
	Z	-0.0001	0.0003	-0.0002	-0.0002	-0.0004	-0.0003
AT. 25 CA	X	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000
	Y	0.0001	0.0000	0.0000	0.0000	0.0000	-0.0001
	Z	0.0001	-0.0003	-0.0002	0.0002	-0.0004	0.0003
AT. 26 CA	X	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000
	Y	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0001
	Z	0.0001	0.0003	-0.0002	-0.0002	0.0004	0.0003
AT. 27 CA	X	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000
	Y	0.0001	0.0000	0.0000	0.0000	0.0000	0.0001
	Z	0.0001	0.0003	0.0002	0.0002	-0.0004	-0.0003
AT. 28 CA	X	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000
	Y	-0.0001	0.0000	0.0000	0.0000	0.0000	-0.0001
	Z	0.0001	-0.0003	0.0002	-0.0002	0.0004	-0.0003
AT. 29 CA	X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
	Y	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0003
	Z	0.0000	0.0000	0.0000	0.0001	0.0000	0.0001
AT. 30 CA	X	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0001
	Y	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
	Z	0.0000	0.0000	0.0000	-0.0001	0.0000	0.0001
AT. 31 CA	X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
	Y	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
	Z	0.0000	0.0000	0.0000	0.0001	0.0000	-0.0001
AT. 32 CA	X	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0001
	Y	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0003
	Z	0.0000	0.0000	0.0000	-0.0001	0.0000	-0.0001
AT. 33 CA	X	-0.0004	0.0005	0.0003	0.0003	0.0003	0.0003
	Y	0.0001	0.0000	-0.0002	-0.0002	-0.0006	-0.0007
	Z	0.0000	0.0003	0.0002	0.0002	-0.0002	-0.0001
AT. 34 CA	X	0.0004	0.0005	-0.0003	0.0003	0.0003	-0.0003
	Y	-0.0001	0.0000	0.0002	-0.0002	-0.0006	0.0007
	Z	0.0000	-0.0003	0.0002	-0.0002	0.0002	-0.0001
AT. 35 CA	X	0.0004	0.0005	0.0003	-0.0003	-0.0003	0.0003
	Y	0.0001	0.0000	0.0002	-0.0002	-0.0006	0.0007
	Z	0.0000	-0.0003	-0.0002	0.0002	-0.0002	0.0001
AT. 36 CA	X	-0.0004	0.0005	-0.0003	-0.0003	-0.0003	-0.0003
	Y	-0.0001	0.0000	-0.0002	-0.0002	-0.0006	-0.0007
	Z	0.0000	0.0003	-0.0002	-0.0002	0.0002	0.0001
AT. 37 CA	X	0.0004	-0.0005	-0.0003	0.0003	-0.0003	0.0003
	Y	-0.0001	0.0000	0.0002	-0.0002	0.0006	-0.0007
	Z	0.0000	-0.0003	-0.0002	0.0002	0.0002	-0.0001
AT. 38 CA	X	-0.0004	-0.0005	0.0003	0.0003	-0.0003	-0.0003
	Y	0.0001	0.0000	-0.0002	-0.0002	0.0006	0.0007
	Z	0.0000	0.0003	-0.0002	-0.0002	-0.0002	-0.0001
AT. 39 CA	X	-0.0004	-0.0005	-0.0003	-0.0003	0.0003	0.0003
	Y	-0.0001	0.0000	-0.0002	-0.0002	0.0006	0.0007
	Z	0.0000	0.0003	0.0002	0.0002	0.0002	0.0001
AT. 40 CA	X	0.0004	-0.0005	0.0003	-0.0003	0.0003	-0.0003
	Y	0.0001	0.0000	0.0002	-0.0002	0.0006	-0.0007
	Z	0.0000	-0.0003	0.0002	-0.0002	-0.0002	0.0001
AT. 41 CA	X	-0.0001	-0.0004	-0.0003	-0.0003	0.0001	0.0001
	Y	0.0003	0.0001	0.0003	0.0003	-0.0003	-0.0003
	Z	0.0001	0.0005	0.0006	0.0006	-0.0004	-0.0003

AT.	42	CA	X	0.0001	-0.0004	0.0003	-0.0003	0.0001	-0.0001
			Y	-0.0003	0.0001	-0.0003	0.0003	-0.0003	0.0003
			Z	0.0001	-0.0005	0.0006	-0.0006	0.0004	-0.0003
AT.	43	CA	X	0.0001	-0.0004	-0.0003	0.0003	-0.0001	0.0001
			Y	0.0003	-0.0001	-0.0003	0.0003	-0.0003	0.0003
			Z	0.0001	-0.0005	-0.0006	0.0006	-0.0004	0.0003
AT.	44	CA	X	-0.0001	-0.0004	0.0003	0.0003	-0.0001	-0.0001
			Y	-0.0003	-0.0001	0.0003	0.0003	-0.0003	-0.0003
			Z	0.0001	0.0005	-0.0006	-0.0006	0.0004	0.0003
AT.	45	CA	X	0.0001	0.0004	0.0003	-0.0003	-0.0001	0.0001
			Y	-0.0003	-0.0001	-0.0003	0.0003	0.0003	-0.0003
			Z	-0.0001	-0.0005	-0.0006	0.0006	0.0004	-0.0003
AT.	46	CA	X	-0.0001	0.0004	-0.0003	-0.0003	-0.0001	-0.0001
			Y	0.0003	-0.0001	0.0003	0.0003	0.0003	0.0003
			Z	-0.0001	0.0005	-0.0006	-0.0006	-0.0004	-0.0003
AT.	47	CA	X	-0.0001	0.0004	0.0003	0.0003	0.0001	0.0001
			Y	-0.0003	0.0001	0.0003	0.0003	0.0003	0.0003
			Z	-0.0001	0.0005	0.0006	0.0006	0.0004	0.0003
AT.	48	CA	X	0.0001	0.0004	-0.0003	0.0003	0.0001	-0.0001
			Y	0.0003	0.0001	-0.0003	0.0003	0.0003	-0.0003
			Z	-0.0001	-0.0005	0.0006	-0.0006	-0.0004	0.0003
AT.	49	CA	X	-0.0005	0.0005	0.0000	0.0000	0.0000	0.0000
			Y	0.0000	0.0000	-0.0011	-0.0011	-0.0014	-0.0014
			Z	0.0003	0.0001	0.0000	0.0000	0.0000	0.0000
AT.	50	CA	X	0.0005	0.0005	0.0000	0.0000	0.0000	0.0000
			Y	0.0000	0.0000	0.0011	-0.0011	-0.0014	0.0014
			Z	0.0003	-0.0001	0.0000	0.0000	0.0000	0.0000
AT.	51	CA	X	0.0005	-0.0005	0.0000	0.0000	0.0000	0.0000
			Y	0.0000	0.0000	0.0011	-0.0011	0.0014	-0.0014
			Z	-0.0003	-0.0001	0.0000	0.0000	0.0000	0.0000
AT.	52	CA	X	-0.0005	-0.0005	0.0000	0.0000	0.0000	0.0000
			Y	0.0000	0.0000	-0.0011	-0.0011	0.0014	0.0014
			Z	-0.0003	0.0001	0.0000	0.0000	0.0000	0.0000
AT.	53	O	X	-0.0001	0.0002	0.0001	0.0001	0.0003	0.0005
			Y	-0.0003	0.0001	0.0001	0.0002	0.0017	0.0024
			Z	0.0001	-0.0006	-0.0003	-0.0003	0.0001	-0.0001
AT.	54	O	X	0.0001	0.0002	-0.0001	0.0001	0.0003	-0.0005
			Y	0.0003	0.0001	-0.0001	0.0002	0.0017	-0.0024
			Z	0.0001	0.0006	-0.0003	0.0003	-0.0001	-0.0001
AT.	55	O	X	0.0001	0.0002	0.0001	-0.0001	-0.0003	0.0005
			Y	-0.0003	-0.0001	-0.0001	0.0002	0.0017	-0.0024
			Z	0.0001	0.0006	0.0003	-0.0003	0.0001	0.0001
AT.	56	O	X	-0.0001	0.0002	-0.0001	-0.0001	-0.0003	-0.0005
			Y	0.0003	-0.0001	0.0001	0.0002	0.0017	0.0024
			Z	0.0001	-0.0006	0.0003	0.0003	-0.0001	0.0001
AT.	57	O	X	0.0001	-0.0002	-0.0001	0.0001	-0.0003	0.0005
			Y	0.0003	-0.0001	-0.0001	0.0002	-0.0017	0.0024
			Z	-0.0001	0.0006	0.0003	-0.0003	-0.0001	-0.0001
AT.	58	O	X	-0.0001	-0.0002	0.0001	0.0001	-0.0003	-0.0005
			Y	-0.0003	-0.0001	0.0001	0.0002	-0.0017	-0.0024
			Z	-0.0001	-0.0006	0.0003	0.0003	0.0001	-0.0001
AT.	59	O	X	-0.0001	-0.0002	-0.0001	-0.0001	0.0003	0.0005
			Y	0.0003	0.0001	0.0001	0.0002	-0.0017	-0.0024
			Z	-0.0001	-0.0006	-0.0003	-0.0003	-0.0001	0.0001
AT.	60	O	X	0.0001	-0.0002	0.0001	-0.0001	0.0003	-0.0005
			Y	-0.0003	0.0001	-0.0001	0.0002	-0.0017	0.0024
			Z	-0.0001	0.0006	-0.0003	0.0003	0.0001	0.0001
AT.	61	O	X	0.0001	0.0008	0.0002	0.0003	-0.0006	-0.0005
			Y	-0.0007	-0.0010	-0.0003	-0.0004	0.0020	0.0019
			Z	-0.0010	-0.0025	-0.0008	-0.0009	0.0032	0.0027
AT.	62	O	X	-0.0001	0.0008	-0.0002	0.0003	-0.0006	0.0005

		Y	0.0007	-0.0010	0.0003	-0.0004	0.0020	-0.0019
		Z	-0.0010	0.0025	-0.0008	0.0009	-0.0032	0.0027
AT.	63 O	X	-0.0001	0.0008	0.0002	-0.0003	0.0006	-0.0005
		Y	-0.0007	0.0010	0.0003	-0.0004	0.0020	-0.0019
		Z	-0.0010	0.0025	0.0008	-0.0009	0.0032	-0.0027
AT.	64 O	X	0.0001	0.0008	-0.0002	-0.0003	0.0006	0.0005
		Y	0.0007	0.0010	-0.0003	-0.0004	0.0020	0.0019
		Z	-0.0010	-0.0025	0.0008	0.0009	-0.0032	-0.0027
AT.	65 O	X	-0.0001	-0.0008	-0.0002	0.0003	0.0006	-0.0005
		Y	0.0007	0.0010	0.0003	-0.0004	-0.0020	0.0019
		Z	0.0010	0.0025	0.0008	-0.0009	-0.0032	0.0027
AT.	66 O	X	0.0001	-0.0008	0.0002	0.0003	0.0006	0.0005
		Y	-0.0007	0.0010	-0.0003	-0.0004	-0.0020	-0.0019
		Z	0.0010	-0.0025	0.0008	0.0009	0.0032	0.0027
AT.	67 O	X	0.0001	-0.0008	-0.0002	-0.0003	-0.0006	-0.0005
		Y	0.0007	-0.0010	-0.0003	-0.0004	-0.0020	-0.0019
		Z	0.0010	-0.0025	-0.0008	-0.0009	-0.0032	-0.0027
AT.	68 O	X	-0.0001	-0.0008	0.0002	-0.0003	-0.0006	0.0005
		Y	-0.0007	-0.0010	0.0003	-0.0004	-0.0020	0.0019
		Z	0.0010	0.0025	-0.0008	0.0009	0.0032	-0.0027
AT.	69 O	X	0.0000	-0.0003	-0.0001	-0.0001	0.0002	0.0000
		Y	-0.0001	0.0004	0.0002	0.0002	-0.0001	0.0006
		Z	0.0000	-0.0008	-0.0003	-0.0005	0.0013	-0.0002
AT.	70 O	X	0.0000	-0.0003	0.0001	-0.0001	0.0002	0.0000
		Y	0.0001	0.0004	-0.0002	0.0002	-0.0001	-0.0006
		Z	0.0000	0.0008	-0.0003	0.0005	-0.0013	-0.0002
AT.	71 O	X	0.0000	-0.0003	-0.0001	0.0001	-0.0002	0.0000
		Y	-0.0001	-0.0004	-0.0002	0.0002	-0.0001	-0.0006
		Z	0.0000	0.0008	0.0003	-0.0005	0.0013	0.0002
AT.	72 O	X	0.0000	-0.0003	0.0001	0.0001	-0.0002	0.0000
		Y	0.0001	-0.0004	0.0002	0.0002	-0.0001	0.0006
		Z	0.0000	-0.0008	0.0003	0.0005	-0.0013	0.0002
AT.	73 O	X	0.0000	0.0003	0.0001	-0.0001	-0.0002	0.0000
		Y	0.0001	-0.0004	-0.0002	0.0002	0.0001	0.0006
		Z	0.0000	0.0008	0.0003	-0.0005	-0.0013	-0.0002
AT.	74 O	X	0.0000	0.0003	-0.0001	-0.0001	-0.0002	0.0000
		Y	-0.0001	-0.0004	0.0002	0.0002	0.0001	-0.0006
		Z	0.0000	-0.0008	0.0003	0.0005	0.0013	-0.0002
AT.	75 O	X	0.0000	0.0003	0.0001	0.0001	0.0002	0.0000
		Y	0.0001	0.0004	0.0002	0.0002	0.0001	-0.0006
		Z	0.0000	-0.0008	-0.0003	-0.0005	-0.0013	0.0002
AT.	76 O	X	0.0000	0.0003	-0.0001	0.0001	0.0002	0.0000
		Y	-0.0001	0.0004	-0.0002	0.0002	0.0001	0.0006
		Z	0.0000	0.0008	-0.0003	0.0005	0.0013	0.0002
AT.	77 O	X	0.0005	0.0008	0.0001	0.0002	-0.0003	-0.0006
		Y	-0.0001	0.0001	0.0001	0.0001	0.0005	0.0007
		Z	-0.0001	-0.0004	-0.0001	-0.0002	0.0006	0.0003
AT.	78 O	X	-0.0005	0.0008	-0.0001	0.0002	-0.0003	0.0006
		Y	0.0001	0.0001	-0.0001	0.0001	0.0005	-0.0007
		Z	-0.0001	0.0004	-0.0001	0.0002	-0.0006	0.0003
AT.	79 O	X	-0.0005	0.0008	0.0001	-0.0002	0.0003	-0.0006
		Y	-0.0001	-0.0001	-0.0001	0.0001	0.0005	-0.0007
		Z	-0.0001	0.0004	0.0001	-0.0002	0.0006	-0.0003
AT.	80 O	X	0.0005	0.0008	-0.0001	-0.0002	0.0003	0.0006
		Y	0.0001	-0.0001	0.0001	0.0001	0.0005	0.0007
		Z	-0.0001	-0.0004	0.0001	0.0002	-0.0006	-0.0003
AT.	81 O	X	-0.0005	-0.0008	-0.0001	0.0002	0.0003	-0.0006
		Y	0.0001	-0.0001	-0.0001	0.0001	-0.0005	0.0007
		Z	0.0001	0.0004	0.0001	-0.0002	-0.0006	0.0003
AT.	82 O	X	0.0005	-0.0008	0.0001	0.0002	0.0003	0.0006
		Y	-0.0001	-0.0001	0.0001	0.0001	-0.0005	-0.0007

		Z	0.0001	-0.0004	0.0001	0.0002	0.0006	0.0003
AT.	83 O	X	0.0005	-0.0008	-0.0001	-0.0002	-0.0003	-0.0006
		Y	0.0001	0.0001	0.0001	0.0001	-0.0005	-0.0007
		Z	0.0001	-0.0004	-0.0001	-0.0002	-0.0006	-0.0003
AT.	84 O	X	-0.0005	-0.0008	0.0001	-0.0002	-0.0003	0.0006
		Y	-0.0001	0.0001	-0.0001	0.0001	-0.0005	0.0007
		Z	0.0001	0.0004	-0.0001	0.0002	0.0006	-0.0003
AT.	85 O	X	-0.0021	0.0037	0.0027	0.0027	0.0008	0.0007
		Y	0.0021	-0.0040	-0.0029	-0.0029	0.0003	0.0005
		Z	0.0046	-0.0081	-0.0067	-0.0067	-0.0021	-0.0019
AT.	86 O	X	0.0021	0.0037	-0.0027	0.0027	0.0008	-0.0007
		Y	-0.0021	-0.0040	0.0029	-0.0029	0.0003	-0.0005
		Z	0.0046	0.0081	-0.0067	0.0067	0.0021	-0.0019
AT.	87 O	X	0.0021	0.0037	0.0027	-0.0027	-0.0008	0.0007
		Y	0.0021	0.0040	0.0029	-0.0029	0.0003	-0.0005
		Z	0.0046	0.0081	0.0067	-0.0067	-0.0021	0.0019
AT.	88 O	X	-0.0021	0.0037	-0.0027	-0.0027	-0.0008	-0.0007
		Y	-0.0021	0.0040	-0.0029	-0.0029	0.0003	0.0005
		Z	0.0046	-0.0081	0.0067	0.0067	0.0021	0.0019
AT.	89 O	X	0.0021	-0.0037	-0.0027	0.0027	-0.0008	0.0007
		Y	-0.0021	0.0040	0.0029	-0.0029	-0.0003	0.0005
		Z	-0.0046	0.0081	0.0067	-0.0067	0.0021	-0.0019
AT.	90 O	X	-0.0021	-0.0037	0.0027	0.0027	-0.0008	-0.0007
		Y	0.0021	0.0040	-0.0029	-0.0029	-0.0003	-0.0005
		Z	-0.0046	-0.0081	0.0067	0.0067	-0.0021	-0.0019
AT.	91 O	X	-0.0021	-0.0037	-0.0027	-0.0027	0.0008	0.0007
		Y	-0.0021	-0.0040	-0.0029	-0.0029	-0.0003	-0.0005
		Z	-0.0046	-0.0081	-0.0067	-0.0067	0.0021	0.0019
AT.	92 O	X	0.0021	-0.0037	0.0027	-0.0027	0.0008	-0.0007
		Y	0.0021	-0.0040	0.0029	-0.0029	-0.0003	0.0005
		Z	-0.0046	0.0081	-0.0067	0.0067	-0.0021	0.0019
AT.	93 O	X	-0.0046	0.0038	0.0036	0.0035	0.0060	0.0060
		Y	-0.0121	0.0088	0.0100	0.0099	0.0168	0.0170
		Z	-0.0012	0.0004	0.0002	0.0002	0.0016	0.0016
AT.	94 O	X	0.0046	0.0038	-0.0036	0.0035	0.0060	-0.0060
		Y	0.0121	0.0088	-0.0100	0.0099	0.0168	-0.0170
		Z	-0.0012	-0.0004	0.0002	-0.0002	-0.0016	0.0016
AT.	95 O	X	0.0046	0.0038	0.0036	-0.0035	-0.0060	0.0060
		Y	-0.0121	-0.0088	-0.0100	0.0099	0.0168	-0.0170
		Z	-0.0012	-0.0004	-0.0002	0.0002	0.0016	-0.0016
AT.	96 O	X	-0.0046	0.0038	-0.0036	-0.0035	-0.0060	-0.0060
		Y	0.0121	-0.0088	0.0100	0.0099	0.0168	0.0170
		Z	-0.0012	0.0004	-0.0002	-0.0002	-0.0016	-0.0016
AT.	97 O	X	0.0046	-0.0038	-0.0036	0.0035	-0.0060	0.0060
		Y	0.0121	-0.0088	-0.0100	0.0099	-0.0168	0.0170
		Z	0.0012	-0.0004	-0.0002	0.0002	-0.0016	0.0016
AT.	98 O	X	-0.0046	-0.0038	0.0036	0.0035	-0.0060	-0.0060
		Y	-0.0121	-0.0088	0.0100	0.0099	-0.0168	-0.0170
		Z	0.0012	0.0004	-0.0002	-0.0002	0.0016	0.0016
AT.	99 O	X	-0.0046	-0.0038	-0.0036	-0.0035	0.0060	0.0060
		Y	0.0121	0.0088	0.0100	0.0099	-0.0168	-0.0170
		Z	0.0012	0.0004	0.0002	0.0002	-0.0016	-0.0016
AT.	100 O	X	0.0046	-0.0038	0.0036	-0.0035	0.0060	-0.0060
		Y	-0.0121	0.0088	-0.0100	0.0099	-0.0168	0.0170
		Z	0.0012	-0.0004	0.0002	-0.0002	0.0016	-0.0016
AT.	101 O	X	0.0004	0.0008	-0.0017	-0.0017	0.0002	0.0002
		Y	0.0017	0.0002	-0.0027	-0.0027	0.0017	0.0017
		Z	-0.0027	-0.0003	0.0014	0.0014	-0.0014	-0.0013
AT.	102 O	X	-0.0004	0.0008	0.0017	-0.0017	0.0002	-0.0002
		Y	-0.0017	0.0002	0.0027	-0.0027	0.0017	-0.0017
		Z	-0.0027	0.0003	0.0014	-0.0014	0.0014	-0.0013

AT. 103	O	X	-0.0004	0.0008	-0.0017	0.0017	-0.0002	0.0002
		Y	0.0017	-0.0002	0.0027	-0.0027	0.0017	-0.0017
		Z	-0.0027	0.0003	-0.0014	0.0014	-0.0014	0.0013
AT. 104	O	X	0.0004	0.0008	0.0017	0.0017	-0.0002	-0.0002
		Y	-0.0017	-0.0002	-0.0027	-0.0027	0.0017	0.0017
		Z	-0.0027	-0.0003	-0.0014	-0.0014	0.0014	0.0013
AT. 105	O	X	-0.0004	-0.0008	0.0017	-0.0017	-0.0002	0.0002
		Y	-0.0017	-0.0002	0.0027	-0.0027	-0.0017	0.0017
		Z	0.0027	0.0003	-0.0014	0.0014	0.0014	-0.0013
AT. 106	O	X	0.0004	-0.0008	-0.0017	-0.0017	-0.0002	-0.0002
		Y	0.0017	-0.0002	-0.0027	-0.0027	-0.0017	-0.0017
		Z	0.0027	-0.0003	-0.0014	-0.0014	-0.0014	-0.0013
AT. 107	O	X	0.0004	-0.0008	0.0017	0.0017	0.0002	0.0002
		Y	-0.0017	0.0002	-0.0027	-0.0027	-0.0017	-0.0017
		Z	0.0027	-0.0003	0.0014	0.0014	0.0014	0.0013
AT. 108	O	X	-0.0004	-0.0008	-0.0017	0.0017	0.0002	-0.0002
		Y	0.0017	0.0002	0.0027	-0.0027	-0.0017	0.0017
		Z	0.0027	0.0003	0.0014	-0.0014	-0.0014	0.0013
AT. 109	O	X	-0.0154	0.0168	0.0091	0.0087	0.0114	0.0112
		Y	-0.0007	0.0008	0.0010	0.0010	0.0022	0.0022
		Z	0.0006	-0.0015	-0.0016	-0.0016	-0.0009	-0.0009
AT. 110	O	X	0.0154	0.0168	-0.0091	0.0087	0.0114	-0.0112
		Y	0.0007	0.0008	-0.0010	0.0010	0.0022	-0.0022
		Z	0.0006	0.0015	-0.0016	0.0016	0.0009	-0.0009
AT. 111	O	X	0.0154	0.0168	0.0091	-0.0087	-0.0114	0.0112
		Y	-0.0007	-0.0008	-0.0010	0.0010	0.0022	-0.0022
		Z	0.0006	0.0015	0.0016	-0.0016	-0.0009	0.0009
AT. 112	O	X	-0.0154	0.0168	-0.0091	-0.0087	-0.0114	-0.0112
		Y	0.0007	-0.0008	0.0010	0.0010	0.0022	0.0022
		Z	0.0006	-0.0015	0.0016	0.0016	0.0009	0.0009
AT. 113	O	X	0.0154	-0.0168	-0.0091	0.0087	-0.0114	0.0112
		Y	0.0007	-0.0008	-0.0010	0.0010	-0.0022	0.0022
		Z	-0.0006	0.0015	0.0016	-0.0016	0.0009	-0.0009
AT. 114	O	X	-0.0154	-0.0168	0.0091	0.0087	-0.0114	-0.0112
		Y	-0.0007	-0.0008	0.0010	0.0010	-0.0022	-0.0022
		Z	-0.0006	-0.0015	0.0016	0.0016	-0.0009	-0.0009
AT. 115	O	X	-0.0154	-0.0168	-0.0091	-0.0087	0.0114	0.0112
		Y	0.0007	0.0008	0.0010	0.0010	-0.0022	-0.0022
		Z	-0.0006	-0.0015	-0.0016	-0.0016	0.0009	0.0009
AT. 116	O	X	0.0154	-0.0168	0.0091	-0.0087	0.0114	-0.0112
		Y	-0.0007	0.0008	-0.0010	0.0010	-0.0022	0.0022
		Z	-0.0006	0.0015	-0.0016	0.0016	-0.0009	0.0009
AT. 117	O	X	0.0051	0.0000	-0.0095	-0.0097	-0.0025	-0.0026
		Y	0.0051	-0.0004	-0.0090	-0.0092	-0.0034	-0.0035
		Z	0.0045	-0.0008	-0.0098	-0.0100	-0.0025	-0.0026
AT. 118	O	X	-0.0051	0.0000	0.0095	-0.0097	-0.0025	0.0026
		Y	-0.0051	-0.0004	0.0090	-0.0092	-0.0034	0.0035
		Z	0.0045	0.0008	-0.0098	0.0100	0.0025	-0.0026
AT. 119	O	X	-0.0051	0.0000	-0.0095	0.0097	0.0025	-0.0026
		Y	0.0051	0.0004	0.0090	-0.0092	-0.0034	0.0035
		Z	0.0045	0.0008	0.0098	-0.0100	-0.0025	0.0026
AT. 120	O	X	0.0051	0.0000	0.0095	0.0097	0.0025	0.0026
		Y	-0.0051	0.0004	-0.0090	-0.0092	-0.0034	-0.0035
		Z	0.0045	-0.0008	0.0098	0.0100	0.0025	0.0026
AT. 121	O	X	-0.0051	0.0000	0.0095	-0.0097	0.0025	-0.0026
		Y	-0.0051	0.0004	0.0090	-0.0092	0.0034	-0.0035
		Z	-0.0045	0.0008	0.0098	-0.0100	0.0025	-0.0026
AT. 122	O	X	0.0051	0.0000	-0.0095	-0.0097	0.0025	0.0026
		Y	0.0051	0.0004	-0.0090	-0.0092	0.0034	0.0035
		Z	-0.0045	-0.0008	0.0098	0.0100	-0.0025	-0.0026
AT. 123	O	X	0.0051	0.0000	0.0095	0.0097	-0.0025	-0.0026

	Y	-0.0051	-0.0004	-0.0090	-0.0092	0.0034	0.0035
	Z	-0.0045	-0.0008	-0.0098	-0.0100	0.0025	0.0026
AT. 124 O	X	-0.0051	0.0000	-0.0095	0.0097	-0.0025	0.0026
	Y	0.0051	-0.0004	0.0090	-0.0092	0.0034	-0.0035
	Z	-0.0045	0.0008	-0.0098	0.0100	-0.0025	0.0026

FREQ(CM**-1)		1014.18	1014.49	1037.68	1038.01	1047.09	1059.74
AT. 1 SI	X	0.0004	0.0001	-0.0001	0.0003	0.0000	-0.0001
	Y	0.0007	0.0013	0.0012	-0.0017	-0.0001	0.0001
	Z	0.0018	0.0012	0.0017	-0.0011	-0.0027	0.0000
AT. 2 SI	X	0.0004	-0.0001	0.0001	0.0003	0.0000	-0.0001
	Y	0.0007	-0.0013	-0.0012	-0.0017	0.0001	0.0001
	Z	-0.0018	0.0012	0.0017	0.0011	-0.0027	0.0000
AT. 3 SI	X	-0.0004	0.0001	0.0001	0.0003	0.0000	-0.0001
	Y	0.0007	-0.0013	0.0012	0.0017	-0.0001	-0.0001
	Z	0.0018	-0.0012	0.0017	0.0011	-0.0027	0.0000
AT. 4 SI	X	-0.0004	-0.0001	-0.0001	0.0003	0.0000	-0.0001
	Y	0.0007	0.0013	-0.0012	0.0017	0.0001	-0.0001
	Z	-0.0018	-0.0012	0.0017	-0.0011	-0.0027	0.0000
AT. 5 SI	X	-0.0004	0.0001	0.0001	0.0003	0.0000	0.0001
	Y	-0.0007	0.0013	-0.0012	-0.0017	-0.0001	-0.0001
	Z	-0.0018	0.0012	-0.0017	-0.0011	-0.0027	0.0000
AT. 6 SI	X	-0.0004	-0.0001	-0.0001	0.0003	0.0000	0.0001
	Y	-0.0007	-0.0013	0.0012	-0.0017	0.0001	-0.0001
	Z	0.0018	0.0012	-0.0017	0.0011	-0.0027	0.0000
AT. 7 SI	X	0.0004	0.0001	-0.0001	0.0003	0.0000	0.0001
	Y	-0.0007	-0.0013	-0.0012	0.0017	-0.0001	0.0001
	Z	-0.0018	-0.0012	-0.0017	0.0011	-0.0027	0.0000
AT. 8 SI	X	0.0004	-0.0001	0.0001	0.0003	0.0000	0.0001
	Y	-0.0007	0.0013	0.0012	0.0017	0.0001	0.0001
	Z	0.0018	-0.0012	-0.0017	-0.0011	-0.0027	0.0000
AT. 9 SI	X	-0.0013	-0.0014	0.0034	-0.0033	0.0022	-0.0011
	Y	0.0050	0.0050	0.0052	-0.0053	0.0000	-0.0004
	Z	0.0041	0.0042	0.0009	-0.0010	0.0005	-0.0025
AT. 10 SI	X	-0.0013	0.0014	-0.0034	-0.0033	-0.0022	-0.0011
	Y	0.0050	-0.0050	-0.0052	-0.0053	0.0000	-0.0004
	Z	-0.0041	0.0042	0.0009	0.0010	0.0005	0.0025
AT. 11 SI	X	0.0013	-0.0014	-0.0034	-0.0033	-0.0022	-0.0011
	Y	0.0050	-0.0050	0.0052	0.0053	0.0000	0.0004
	Z	0.0041	-0.0042	0.0009	0.0010	0.0005	0.0025
AT. 12 SI	X	0.0013	0.0014	0.0034	-0.0033	0.0022	-0.0011
	Y	0.0050	0.0050	-0.0052	0.0053	0.0000	0.0004
	Z	-0.0041	-0.0042	0.0009	-0.0010	0.0005	-0.0025
AT. 13 SI	X	0.0013	-0.0014	-0.0034	-0.0033	0.0022	0.0011
	Y	-0.0050	0.0050	-0.0052	-0.0053	0.0000	0.0004
	Z	-0.0041	0.0042	-0.0009	-0.0010	0.0005	0.0025
AT. 14 SI	X	0.0013	0.0014	0.0034	-0.0033	-0.0022	0.0011
	Y	-0.0050	-0.0050	0.0052	-0.0053	0.0000	0.0004
	Z	0.0041	0.0042	-0.0009	0.0010	0.0005	-0.0025
AT. 15 SI	X	-0.0013	-0.0014	0.0034	-0.0033	-0.0022	0.0011
	Y	-0.0050	-0.0050	-0.0052	0.0053	0.0000	-0.0004
	Z	-0.0041	-0.0042	-0.0009	0.0010	0.0005	-0.0025
AT. 16 SI	X	-0.0013	0.0014	-0.0034	-0.0033	0.0022	0.0011
	Y	-0.0050	0.0050	0.0052	0.0053	0.0000	-0.0004
	Z	0.0041	-0.0042	-0.0009	-0.0010	0.0005	0.0025
AT. 17 SI	X	0.0000	0.0000	0.0121	-0.0121	0.0121	-0.0112
	Y	0.0188	0.0187	0.0000	0.0000	0.0000	0.0000
	Z	0.0000	0.0000	0.0153	-0.0153	0.0169	-0.0175
AT. 18 SI	X	0.0000	0.0000	-0.0121	-0.0121	-0.0121	-0.0112
	Y	0.0188	-0.0187	0.0000	0.0000	0.0000	0.0000

	Z	0.0000	0.0000	0.0153	0.0153	0.0169	0.0175
AT. 19 SI	X	0.0000	0.0000	-0.0121	-0.0121	0.0121	0.0112
	Y	-0.0188	0.0187	0.0000	0.0000	0.0000	0.0000
	Z	0.0000	0.0000	-0.0153	-0.0153	0.0169	0.0175
AT. 20 SI	X	0.0000	0.0000	0.0121	-0.0121	-0.0121	0.0112
	Y	-0.0188	-0.0187	0.0000	0.0000	0.0000	0.0000
	Z	0.0000	0.0000	-0.0153	0.0153	0.0169	-0.0175
AT. 21 CA	X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Y	0.0003	0.0002	0.0001	-0.0001	0.0000	0.0000
	Z	-0.0001	0.0000	-0.0003	0.0002	-0.0005	0.0000
AT. 22 CA	X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Y	0.0003	-0.0002	-0.0001	-0.0001	0.0000	0.0000
	Z	0.0001	0.0000	-0.0003	-0.0002	-0.0005	0.0000
AT. 23 CA	X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Y	0.0003	-0.0002	0.0001	0.0001	0.0000	0.0000
	Z	-0.0001	0.0000	-0.0003	-0.0002	-0.0005	0.0000
AT. 24 CA	X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Y	0.0003	0.0002	-0.0001	0.0001	0.0000	0.0000
	Z	0.0001	0.0000	-0.0003	0.0002	-0.0005	0.0000
AT. 25 CA	X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Y	-0.0003	0.0002	-0.0001	-0.0001	0.0000	0.0000
	Z	0.0001	0.0000	0.0003	0.0002	-0.0005	0.0000
AT. 26 CA	X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Y	-0.0003	-0.0002	0.0001	-0.0001	0.0000	0.0000
	Z	-0.0001	0.0000	0.0003	-0.0002	-0.0005	0.0000
AT. 27 CA	X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Y	-0.0003	-0.0002	-0.0001	0.0001	0.0000	0.0000
	Z	0.0001	0.0000	0.0003	-0.0002	-0.0005	0.0000
AT. 28 CA	X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Y	-0.0003	0.0002	0.0001	0.0001	0.0000	0.0000
	Z	-0.0001	0.0000	0.0003	0.0002	-0.0005	0.0000
AT. 29 CA	X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Y	0.0000	0.0002	0.0000	-0.0003	0.0000	0.0000
	Z	0.0000	0.0001	0.0000	0.0000	-0.0005	0.0000
AT. 30 CA	X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Y	0.0000	-0.0002	0.0000	-0.0003	0.0000	0.0000
	Z	0.0000	0.0001	0.0000	0.0000	-0.0005	0.0000
AT. 31 CA	X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Y	0.0000	-0.0002	0.0000	0.0003	0.0000	0.0000
	Z	0.0000	-0.0001	0.0000	0.0000	-0.0005	0.0000
AT. 32 CA	X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Y	0.0000	0.0002	0.0000	0.0003	0.0000	0.0000
	Z	0.0000	-0.0001	0.0000	0.0000	-0.0005	0.0000
AT. 33 CA	X	0.0000	0.0000	0.0000	0.0000	-0.0001	0.0001
	Y	0.0004	0.0004	0.0006	-0.0006	-0.0001	0.0001
	Z	0.0006	0.0006	0.0002	-0.0002	-0.0004	-0.0001
AT. 34 CA	X	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001
	Y	0.0004	-0.0004	-0.0006	-0.0006	0.0001	0.0001
	Z	-0.0006	0.0006	0.0002	0.0002	-0.0004	0.0001
AT. 35 CA	X	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001
	Y	0.0004	-0.0004	0.0006	0.0006	-0.0001	-0.0001
	Z	0.0006	-0.0006	0.0002	0.0002	-0.0004	0.0001
AT. 36 CA	X	0.0000	0.0000	0.0000	0.0000	-0.0001	0.0001
	Y	0.0004	0.0004	-0.0006	0.0006	0.0001	-0.0001
	Z	-0.0006	-0.0006	0.0002	-0.0002	-0.0004	-0.0001
AT. 37 CA	X	0.0000	0.0000	0.0000	0.0000	-0.0001	-0.0001
	Y	-0.0004	0.0004	-0.0006	-0.0006	-0.0001	-0.0001
	Z	-0.0006	0.0006	-0.0002	-0.0002	-0.0004	0.0001
AT. 38 CA	X	0.0000	0.0000	0.0000	0.0000	0.0001	-0.0001
	Y	-0.0004	-0.0004	0.0006	-0.0006	0.0001	-0.0001
	Z	0.0006	0.0006	-0.0002	0.0002	-0.0004	-0.0001

AT.	39	CA	X	0.0000	0.0000	0.0000	0.0000	0.0001	-0.0001
			Y	-0.0004	-0.0004	-0.0006	0.0006	-0.0001	0.0001
			Z	-0.0006	-0.0006	-0.0002	0.0002	-0.0004	-0.0001
AT.	40	CA	X	0.0000	0.0000	0.0000	0.0000	-0.0001	-0.0001
			Y	-0.0004	0.0004	0.0006	0.0006	0.0001	0.0001
			Z	0.0006	-0.0006	-0.0002	-0.0002	-0.0004	0.0001
AT.	41	CA	X	0.0002	0.0002	0.0000	0.0000	0.0000	0.0001
			Y	-0.0009	-0.0009	0.0001	-0.0001	-0.0001	0.0001
			Z	-0.0002	-0.0002	-0.0001	0.0002	0.0002	-0.0007
AT.	42	CA	X	0.0002	-0.0002	0.0000	0.0000	0.0000	0.0001
			Y	-0.0009	0.0009	-0.0001	-0.0001	0.0001	0.0001
			Z	0.0002	-0.0002	-0.0001	-0.0002	0.0002	0.0007
AT.	43	CA	X	-0.0002	0.0002	0.0000	0.0000	0.0000	0.0001
			Y	-0.0009	0.0009	0.0001	0.0001	-0.0001	-0.0001
			Z	-0.0002	0.0002	-0.0001	-0.0002	0.0002	0.0007
AT.	44	CA	X	-0.0002	-0.0002	0.0000	0.0000	0.0000	0.0001
			Y	-0.0009	-0.0009	-0.0001	0.0001	0.0001	-0.0001
			Z	0.0002	0.0002	-0.0001	0.0002	0.0002	-0.0007
AT.	45	CA	X	-0.0002	0.0002	0.0000	0.0000	0.0000	-0.0001
			Y	0.0009	-0.0009	-0.0001	-0.0001	-0.0001	-0.0001
			Z	0.0002	-0.0002	0.0001	0.0002	0.0002	0.0007
AT.	46	CA	X	-0.0002	-0.0002	0.0000	0.0000	0.0000	-0.0001
			Y	0.0009	0.0009	0.0001	-0.0001	0.0001	-0.0001
			Z	-0.0002	-0.0002	0.0001	-0.0002	0.0002	-0.0007
AT.	47	CA	X	0.0002	0.0002	0.0000	0.0000	0.0000	-0.0001
			Y	0.0009	0.0009	-0.0001	0.0001	-0.0001	0.0001
			Z	0.0002	0.0002	0.0001	-0.0002	0.0002	-0.0007
AT.	48	CA	X	0.0002	-0.0002	0.0000	0.0000	0.0000	-0.0001
			Y	0.0009	-0.0009	0.0001	0.0001	0.0001	0.0001
			Z	-0.0002	0.0002	0.0001	0.0002	0.0002	0.0007
AT.	49	CA	X	0.0000	0.0000	0.0001	-0.0001	-0.0004	0.0004
			Y	0.0005	0.0005	0.0000	0.0000	0.0000	0.0000
			Z	0.0000	0.0000	-0.0005	0.0005	0.0013	-0.0016
AT.	50	CA	X	0.0000	0.0000	-0.0001	-0.0001	0.0004	0.0004
			Y	0.0005	-0.0005	0.0000	0.0000	0.0000	0.0000
			Z	0.0000	0.0000	-0.0005	-0.0005	0.0013	0.0016
AT.	51	CA	X	0.0000	0.0000	-0.0001	-0.0001	-0.0004	-0.0004
			Y	-0.0005	0.0005	0.0000	0.0000	0.0000	0.0000
			Z	0.0000	0.0000	0.0005	0.0005	0.0013	0.0016
AT.	52	CA	X	0.0000	0.0000	0.0001	-0.0001	0.0004	-0.0004
			Y	-0.0005	-0.0005	0.0000	0.0000	0.0000	0.0000
			Z	0.0000	0.0000	0.0005	-0.0005	0.0013	-0.0016
AT.	53	O	X	-0.0001	-0.0002	-0.0002	0.0003	0.0000	0.0000
			Y	-0.0013	-0.0018	-0.0013	0.0019	-0.0001	0.0000
			Z	-0.0004	-0.0005	-0.0001	0.0001	0.0010	0.0001
AT.	54	O	X	-0.0001	0.0002	0.0002	0.0003	0.0000	0.0000
			Y	-0.0013	0.0018	0.0013	0.0019	0.0001	0.0000
			Z	0.0004	-0.0005	-0.0001	-0.0001	0.0010	-0.0001
AT.	55	O	X	0.0001	-0.0002	0.0002	0.0003	0.0000	0.0000
			Y	-0.0013	0.0018	-0.0013	-0.0019	-0.0001	0.0000
			Z	-0.0004	0.0005	-0.0001	-0.0001	0.0010	-0.0001
AT.	56	O	X	0.0001	0.0002	-0.0002	0.0003	0.0000	0.0000
			Y	-0.0013	-0.0018	0.0013	-0.0019	0.0001	0.0000
			Z	0.0004	0.0005	-0.0001	0.0001	0.0010	0.0001
AT.	57	O	X	0.0001	-0.0002	0.0002	0.0003	0.0000	0.0000
			Y	0.0013	-0.0018	0.0013	0.0019	-0.0001	0.0000
			Z	0.0004	-0.0005	0.0001	0.0001	0.0010	-0.0001
AT.	58	O	X	0.0001	0.0002	-0.0002	0.0003	0.0000	0.0000
			Y	0.0013	0.0018	-0.0013	0.0019	0.0001	0.0000
			Z	-0.0004	-0.0005	0.0001	-0.0001	0.0010	0.0001
AT.	59	O	X	-0.0001	-0.0002	-0.0002	0.0003	0.0000	0.0000

		Y	0.0013	0.0018	0.0013	-0.0019	-0.0001	0.0000
		Z	0.0004	0.0005	0.0001	-0.0001	0.0010	0.0001
AT.	60 O	X	-0.0001	0.0002	0.0002	0.0003	0.0000	0.0000
		Y	0.0013	-0.0018	-0.0013	-0.0019	0.0001	0.0000
		Z	-0.0004	0.0005	0.0001	0.0001	0.0010	-0.0001
AT.	61 O	X	0.0005	0.0005	0.0006	-0.0005	-0.0007	0.0001
		Y	-0.0006	-0.0007	-0.0014	0.0014	0.0011	-0.0001
		Z	-0.0020	-0.0019	-0.0025	0.0023	0.0028	0.0000
AT.	62 O	X	0.0005	-0.0005	-0.0006	-0.0005	0.0007	0.0001
		Y	-0.0006	0.0007	0.0014	0.0014	-0.0011	-0.0001
		Z	0.0020	-0.0019	-0.0025	-0.0023	0.0028	0.0000
AT.	63 O	X	-0.0005	0.0005	-0.0006	-0.0005	0.0007	0.0001
		Y	-0.0006	0.0007	-0.0014	-0.0014	0.0011	0.0001
		Z	-0.0020	0.0019	-0.0025	-0.0023	0.0028	0.0000
AT.	64 O	X	-0.0005	-0.0005	0.0006	-0.0005	-0.0007	0.0001
		Y	-0.0006	-0.0007	0.0014	-0.0014	-0.0011	0.0001
		Z	0.0020	0.0019	-0.0025	0.0023	0.0028	0.0000
AT.	65 O	X	-0.0005	0.0005	-0.0006	-0.0005	-0.0007	-0.0001
		Y	0.0006	-0.0007	0.0014	0.0014	0.0011	0.0001
		Z	0.0020	-0.0019	0.0025	0.0023	0.0028	0.0000
AT.	66 O	X	-0.0005	-0.0005	0.0006	-0.0005	0.0007	-0.0001
		Y	0.0006	0.0007	-0.0014	0.0014	-0.0011	0.0001
		Z	-0.0020	-0.0019	0.0025	-0.0023	0.0028	0.0000
AT.	67 O	X	0.0005	0.0005	0.0006	-0.0005	0.0007	-0.0001
		Y	0.0006	0.0007	0.0014	-0.0014	0.0011	-0.0001
		Z	0.0020	0.0019	0.0025	-0.0023	0.0028	0.0000
AT.	68 O	X	0.0005	-0.0005	-0.0006	-0.0005	-0.0007	-0.0001
		Y	0.0006	-0.0007	-0.0014	-0.0014	-0.0011	-0.0001
		Z	-0.0020	0.0019	0.0025	0.0023	0.0028	0.0000
AT.	69 O	X	-0.0004	-0.0002	-0.0002	0.0000	0.0006	0.0000
		Y	0.0006	-0.0002	0.0002	0.0004	-0.0009	0.0000
		Z	-0.0016	-0.0004	-0.0011	0.0000	0.0027	0.0000
AT.	70 O	X	-0.0004	0.0002	0.0002	0.0000	-0.0006	0.0000
		Y	0.0006	0.0002	-0.0002	0.0004	0.0009	0.0000
		Z	0.0016	-0.0004	-0.0011	0.0000	0.0027	0.0000
AT.	71 O	X	0.0004	-0.0002	0.0002	0.0000	-0.0006	0.0000
		Y	0.0006	0.0002	0.0002	-0.0004	-0.0009	0.0000
		Z	-0.0016	0.0004	-0.0011	0.0000	0.0027	0.0000
AT.	72 O	X	0.0004	0.0002	-0.0002	0.0000	0.0006	0.0000
		Y	0.0006	-0.0002	-0.0002	-0.0004	0.0009	0.0000
		Z	0.0016	0.0004	-0.0011	0.0000	0.0027	0.0000
AT.	73 O	X	0.0004	-0.0002	0.0002	0.0000	0.0006	0.0000
		Y	-0.0006	-0.0002	-0.0002	0.0004	-0.0009	0.0000
		Z	0.0016	-0.0004	0.0011	0.0000	0.0027	0.0000
AT.	74 O	X	0.0004	0.0002	-0.0002	0.0000	-0.0006	0.0000
		Y	-0.0006	0.0002	0.0002	0.0004	0.0009	0.0000
		Z	-0.0016	-0.0004	0.0011	0.0000	0.0027	0.0000
AT.	75 O	X	-0.0004	-0.0002	-0.0002	0.0000	-0.0006	0.0000
		Y	-0.0006	0.0002	-0.0002	-0.0004	-0.0009	0.0000
		Z	0.0016	0.0004	0.0011	0.0000	0.0027	0.0000
AT.	76 O	X	-0.0004	0.0002	0.0002	0.0000	0.0006	0.0000
		Y	-0.0006	-0.0002	0.0002	-0.0004	0.0009	0.0000
		Z	-0.0016	0.0004	0.0011	0.0000	0.0027	0.0000
AT.	77 O	X	-0.0005	-0.0001	0.0001	-0.0003	0.0000	0.0001
		Y	-0.0002	-0.0004	-0.0004	0.0006	0.0000	0.0000
		Z	-0.0007	-0.0006	-0.0005	0.0003	0.0010	0.0001
AT.	78 O	X	-0.0005	0.0001	-0.0001	-0.0003	0.0000	0.0001
		Y	-0.0002	0.0004	0.0004	0.0006	0.0000	0.0000
		Z	0.0007	-0.0006	-0.0005	-0.0003	0.0010	-0.0001
AT.	79 O	X	0.0005	-0.0001	-0.0001	-0.0003	0.0000	0.0001
		Y	-0.0002	0.0004	-0.0004	-0.0006	0.0000	0.0000

		Z	-0.0007	0.0006	-0.0005	-0.0003	0.0010	-0.0001
AT.	80 O	X	0.0005	0.0001	0.0001	-0.0003	0.0000	0.0001
		Y	-0.0002	-0.0004	0.0004	-0.0006	0.0000	0.0000
		Z	0.0007	0.0006	-0.0005	0.0003	0.0010	0.0001
AT.	81 O	X	0.0005	-0.0001	-0.0001	-0.0003	0.0000	-0.0001
		Y	0.0002	-0.0004	0.0004	0.0006	0.0000	0.0000
		Z	0.0007	-0.0006	0.0005	0.0003	0.0010	-0.0001
AT.	82 O	X	0.0005	0.0001	0.0001	-0.0003	0.0000	-0.0001
		Y	0.0002	0.0004	-0.0004	0.0006	0.0000	0.0000
		Z	-0.0007	-0.0006	0.0005	-0.0003	0.0010	0.0001
AT.	83 O	X	-0.0005	-0.0001	0.0001	-0.0003	0.0000	-0.0001
		Y	0.0002	0.0004	0.0004	-0.0006	0.0000	0.0000
		Z	0.0007	0.0006	0.0005	-0.0003	0.0010	0.0001
AT.	84 O	X	-0.0005	0.0001	-0.0001	-0.0003	0.0000	-0.0001
		Y	0.0002	-0.0004	-0.0004	-0.0006	0.0000	0.0000
		Z	-0.0007	0.0006	0.0005	0.0003	0.0010	-0.0001
AT.	85 O	X	0.0027	0.0027	0.0004	-0.0005	-0.0002	-0.0006
		Y	-0.0044	-0.0044	-0.0016	0.0017	0.0001	0.0009
		Z	-0.0067	-0.0069	-0.0006	0.0008	0.0010	0.0015
AT.	86 O	X	0.0027	-0.0027	-0.0004	-0.0005	0.0002	-0.0006
		Y	-0.0044	0.0044	0.0016	0.0017	-0.0001	0.0009
		Z	0.0067	-0.0069	-0.0006	-0.0008	0.0010	-0.0015
AT.	87 O	X	-0.0027	0.0027	-0.0004	-0.0005	0.0002	-0.0006
		Y	-0.0044	0.0044	-0.0016	-0.0017	0.0001	-0.0009
		Z	-0.0067	0.0069	-0.0006	-0.0008	0.0010	-0.0015
AT.	88 O	X	-0.0027	-0.0027	0.0004	-0.0005	-0.0002	-0.0006
		Y	-0.0044	-0.0044	0.0016	-0.0017	-0.0001	-0.0009
		Z	0.0067	0.0069	-0.0006	0.0008	0.0010	0.0015
AT.	89 O	X	-0.0027	0.0027	-0.0004	-0.0005	-0.0002	0.0006
		Y	0.0044	-0.0044	0.0016	0.0017	0.0001	-0.0009
		Z	0.0067	-0.0069	0.0006	0.0008	0.0010	-0.0015
AT.	90 O	X	-0.0027	-0.0027	0.0004	-0.0005	0.0002	0.0006
		Y	0.0044	0.0044	-0.0016	0.0017	-0.0001	-0.0009
		Z	-0.0067	-0.0069	0.0006	-0.0008	0.0010	0.0015
AT.	91 O	X	0.0027	0.0027	0.0004	-0.0005	0.0002	0.0006
		Y	0.0044	0.0044	0.0016	-0.0017	0.0001	0.0009
		Z	0.0067	0.0069	0.0006	-0.0008	0.0010	0.0015
AT.	92 O	X	0.0027	-0.0027	-0.0004	-0.0005	-0.0002	0.0006
		Y	0.0044	-0.0044	-0.0016	-0.0017	-0.0001	0.0009
		Z	-0.0067	0.0069	0.0006	0.0008	0.0010	-0.0015
AT.	93 O	X	-0.0013	-0.0013	-0.0024	0.0024	-0.0006	0.0006
		Y	-0.0030	-0.0031	-0.0076	0.0077	-0.0005	0.0008
		Z	-0.0019	-0.0019	-0.0007	0.0007	-0.0005	0.0012
AT.	94 O	X	-0.0013	0.0013	0.0024	0.0024	0.0006	0.0006
		Y	-0.0030	0.0031	0.0076	0.0077	0.0005	0.0008
		Z	0.0019	-0.0019	-0.0007	-0.0007	-0.0005	-0.0012
AT.	95 O	X	0.0013	-0.0013	0.0024	0.0024	0.0006	0.0006
		Y	-0.0030	0.0031	-0.0076	-0.0077	-0.0005	-0.0008
		Z	-0.0019	0.0019	-0.0007	-0.0007	-0.0005	-0.0012
AT.	96 O	X	0.0013	0.0013	-0.0024	0.0024	-0.0006	0.0006
		Y	-0.0030	-0.0031	0.0076	-0.0077	0.0005	-0.0008
		Z	0.0019	0.0019	-0.0007	0.0007	-0.0005	0.0012
AT.	97 O	X	0.0013	-0.0013	0.0024	0.0024	-0.0006	-0.0006
		Y	0.0030	-0.0031	0.0076	0.0077	-0.0005	-0.0008
		Z	0.0019	-0.0019	0.0007	0.0007	-0.0005	-0.0012
AT.	98 O	X	0.0013	0.0013	-0.0024	0.0024	0.0006	-0.0006
		Y	0.0030	0.0031	-0.0076	0.0077	0.0005	-0.0008
		Z	-0.0019	-0.0019	0.0007	-0.0007	-0.0005	0.0012
AT.	99 O	X	-0.0013	-0.0013	-0.0024	0.0024	0.0006	-0.0006
		Y	0.0030	0.0031	0.0076	-0.0077	-0.0005	0.0008
		Z	0.0019	0.0019	0.0007	-0.0007	-0.0005	0.0012

AT. 100	O	X	-0.0013	0.0013	0.0024	0.0024	-0.0006	-0.0006
		Y	0.0030	-0.0031	-0.0076	-0.0077	0.0005	0.0008
		Z	-0.0019	0.0019	0.0007	0.0007	-0.0005	-0.0012
AT. 101	O	X	-0.0032	-0.0032	-0.0001	0.0001	0.0000	-0.0002
		Y	-0.0075	-0.0074	0.0004	-0.0004	0.0023	-0.0032
		Z	0.0049	0.0048	-0.0021	0.0021	-0.0044	0.0060
AT. 102	O	X	-0.0032	0.0032	0.0001	0.0001	0.0000	-0.0002
		Y	-0.0075	0.0074	-0.0004	-0.0004	-0.0023	-0.0032
		Z	-0.0049	0.0048	-0.0021	-0.0021	-0.0044	-0.0060
AT. 103	O	X	0.0032	-0.0032	0.0001	0.0001	0.0000	-0.0002
		Y	-0.0075	0.0074	0.0004	0.0004	0.0023	0.0032
		Z	0.0049	-0.0048	-0.0021	-0.0021	-0.0044	-0.0060
AT. 104	O	X	0.0032	0.0032	-0.0001	0.0001	0.0000	-0.0002
		Y	-0.0075	-0.0074	-0.0004	0.0004	-0.0023	0.0032
		Z	-0.0049	-0.0048	-0.0021	0.0021	-0.0044	0.0060
AT. 105	O	X	0.0032	-0.0032	0.0001	0.0001	0.0000	0.0002
		Y	0.0075	-0.0074	-0.0004	-0.0004	0.0023	0.0032
		Z	-0.0049	0.0048	0.0021	0.0021	-0.0044	-0.0060
AT. 106	O	X	0.0032	0.0032	-0.0001	0.0001	0.0000	0.0002
		Y	0.0075	0.0074	0.0004	-0.0004	-0.0023	0.0032
		Z	0.0049	0.0048	0.0021	-0.0021	-0.0044	0.0060
AT. 107	O	X	-0.0032	-0.0032	-0.0001	0.0001	0.0000	0.0002
		Y	0.0075	0.0074	-0.0004	0.0004	0.0023	-0.0032
		Z	-0.0049	-0.0048	0.0021	-0.0021	-0.0044	0.0060
AT. 108	O	X	-0.0032	0.0032	0.0001	0.0001	0.0000	0.0002
		Y	0.0075	-0.0074	0.0004	0.0004	-0.0023	-0.0032
		Z	0.0049	-0.0048	0.0021	0.0021	-0.0044	-0.0060
AT. 109	O	X	0.0006	0.0006	-0.0029	0.0028	-0.0018	0.0008
		Y	-0.0017	-0.0017	-0.0020	0.0020	-0.0001	0.0001
		Z	-0.0013	-0.0013	0.0001	-0.0001	-0.0001	0.0009
AT. 110	O	X	0.0006	-0.0006	0.0029	0.0028	0.0018	0.0008
		Y	-0.0017	0.0017	0.0020	0.0020	0.0001	0.0001
		Z	0.0013	-0.0013	0.0001	0.0001	-0.0001	-0.0009
AT. 111	O	X	-0.0006	0.0006	0.0029	0.0028	0.0018	0.0008
		Y	-0.0017	0.0017	-0.0020	-0.0020	-0.0001	-0.0001
		Z	-0.0013	0.0013	0.0001	0.0001	-0.0001	-0.0009
AT. 112	O	X	-0.0006	-0.0006	-0.0029	0.0028	-0.0018	0.0008
		Y	-0.0017	-0.0017	0.0020	-0.0020	0.0001	-0.0001
		Z	0.0013	0.0013	0.0001	-0.0001	-0.0001	0.0009
AT. 113	O	X	-0.0006	0.0006	0.0029	0.0028	-0.0018	-0.0008
		Y	0.0017	-0.0017	0.0020	0.0020	-0.0001	-0.0001
		Z	0.0013	-0.0013	-0.0001	-0.0001	-0.0001	-0.0009
AT. 114	O	X	-0.0006	-0.0006	-0.0029	0.0028	0.0018	-0.0008
		Y	0.0017	0.0017	-0.0020	0.0020	0.0001	-0.0001
		Z	-0.0013	-0.0013	-0.0001	0.0001	-0.0001	0.0009
AT. 115	O	X	0.0006	0.0006	-0.0029	0.0028	0.0018	-0.0008
		Y	0.0017	0.0017	0.0020	-0.0020	-0.0001	0.0001
		Z	0.0013	0.0013	-0.0001	0.0001	-0.0001	0.0009
AT. 116	O	X	0.0006	-0.0006	0.0029	0.0028	-0.0018	-0.0008
		Y	0.0017	-0.0017	-0.0020	-0.0020	0.0001	0.0001
		Z	-0.0013	0.0013	-0.0001	-0.0001	-0.0001	-0.0009
AT. 117	O	X	-0.0104	-0.0103	-0.0116	0.0116	-0.0123	0.0121
		Y	-0.0112	-0.0113	-0.0099	0.0099	-0.0103	0.0098
		Z	-0.0105	-0.0105	-0.0129	0.0129	-0.0137	0.0139
AT. 118	O	X	-0.0104	0.0103	0.0116	0.0116	0.0123	0.0121
		Y	-0.0112	0.0113	0.0099	0.0099	0.0103	0.0098
		Z	0.0105	-0.0105	-0.0129	-0.0129	-0.0137	-0.0139
AT. 119	O	X	0.0104	-0.0103	0.0116	0.0116	0.0123	0.0121
		Y	-0.0112	0.0113	-0.0099	-0.0099	-0.0103	-0.0098
		Z	-0.0105	0.0105	-0.0129	-0.0129	-0.0137	-0.0139
AT. 120	O	X	0.0104	0.0103	-0.0116	0.0116	-0.0123	0.0121

	Y	-0.0112	-0.0113	0.0099	-0.0099	0.0103	-0.0098
	Z	0.0105	0.0105	-0.0129	0.0129	-0.0137	0.0139
AT. 121 O	X	0.0104	-0.0103	0.0116	0.0116	-0.0123	-0.0121
	Y	0.0112	-0.0113	0.0099	0.0099	-0.0103	-0.0098
	Z	0.0105	-0.0105	0.0129	0.0129	-0.0137	-0.0139
AT. 122 O	X	0.0104	0.0103	-0.0116	0.0116	0.0123	-0.0121
	Y	0.0112	0.0113	-0.0099	0.0099	0.0103	-0.0098
	Z	-0.0105	-0.0105	0.0129	-0.0129	-0.0137	0.0139
AT. 123 O	X	-0.0104	-0.0103	-0.0116	0.0116	0.0123	-0.0121
	Y	0.0112	0.0113	0.0099	-0.0099	-0.0103	0.0098
	Z	0.0105	0.0105	0.0129	-0.0129	-0.0137	0.0139
AT. 124 O	X	-0.0104	0.0103	0.0116	0.0116	-0.0123	-0.0121
	Y	0.0112	-0.0113	-0.0099	-0.0099	0.0103	0.0098
	Z	-0.0105	0.0105	0.0129	0.0129	-0.0137	-0.0139

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VIBRATIONAL TEMPERATURES (K) [MODE NUMBER;IRREP]

TO MODES

60.9	[4;B1U]	67.2	[5;AG]	71.9	[6;AU]	73.8	[7;B1G]
95.8	[8;B3U]	108.3	[9;B2G]	111.0	[10;B2U]	126.8	[11;B2G]
131.2	[12;B2U]	135.0	[13;AU]	138.3	[14;B3G]	139.8	[15;B3U]
145.9	[16;B1G]	152.5	[17;B1U]	153.9	[18;B1G]	160.2	[19;B2U]
162.6	[20;B3G]	162.7	[21;B1U]	169.3	[22;B2G]	171.5	[23;AG]
172.9	[24;AU]	173.4	[25;B3U]	174.5	[26;AU]	176.5	[27;B1G]
177.1	[28;B2U]	180.3	[29;B1U]	184.1	[30;B3G]	187.7	[31;B2G]
187.8	[32;B1U]	190.9	[33;B1G]	194.3	[34;B2U]	203.1	[35;B3U]
206.3	[36;AU]	206.9	[37;AG]	208.1	[38;B2G]	208.5	[39;B1U]
210.0	[40;B2G]	211.5	[41;B3G]	214.1	[42;B2U]	214.9	[43;B1G]
215.4	[44;AG]	219.2	[45;B1U]	220.7	[46;AG]	220.9	[47;AU]
228.5	[48;B3U]	229.3	[49;B2U]	232.7	[50;B3G]	232.7	[51;B1G]
238.8	[52;B2G]	243.3	[53;AG]	249.2	[54;B2U]	252.3	[55;B1U]
253.1	[56;B2G]	253.2	[57;B1G]	255.2	[58;B3G]	255.9	[59;B2U]
257.8	[60;AU]	259.0	[61;B2G]	259.5	[62;B3G]	259.8	[63;B3U]
260.4	[64;B3U]	263.0	[65;B1U]	263.2	[66;AU]	266.3	[67;B1G]
266.4	[68;B1U]	274.4	[69;B1U]	275.2	[70;AG]	275.9	[71;B2G]
276.8	[72;B3U]	277.6	[73;B2U]	279.9	[74;AU]	280.2	[75;B2U]
281.5	[76;AU]	287.4	[77;B1G]	289.7	[78;B2G]	290.5	[79;B1U]
290.5	[80;B1G]	292.0	[81;AG]	294.5	[82;B3G]	295.0	[83;B3U]
299.7	[84;B2G]	301.6	[85;B2U]	302.6	[86;AG]	302.7	[87;B1U]
304.9	[88;AU]	306.4	[89;B3G]	306.7	[90;B3U]	311.1	[91;B3U]
311.5	[92;B2U]	313.3	[93;AG]	316.3	[94;B1G]	317.3	[95;B3G]
319.2	[96;AG]	320.1	[97;B2U]	320.7	[98;B1U]	323.3	[99;B2G]
326.8	[100;B1G]	327.0	[101;AU]	329.4	[102;B1U]	332.2	[103;B3U]
338.2	[104;AG]	338.5	[105;B3U]	340.0	[106;AU]	341.9	[107;B3G]
345.9	[108;B2G]	347.5	[109;AG]	348.3	[110;AU]	351.4	[111;B3G]
356.0	[112;B2U]	356.2	[113;B2G]	356.4	[114;B3U]	356.6	[115;B1G]
359.6	[116;B2G]	360.0	[117;AU]	364.8	[118;B1G]	365.4	[119;B1U]
366.0	[120;B3G]	369.5	[121;B2U]	370.0	[122;B3G]	371.9	[123;B2U]
372.9	[124;AU]	372.9	[125;B3U]	373.4	[126;AG]	375.1	[127;AG]
375.5	[128;B1G]	377.0	[129;B3G]	377.2	[130;B1U]	380.1	[131;B3U]
382.4	[132;B2G]	384.3	[133;AG]	385.4	[134;AU]	386.4	[135;B1G]
387.7	[136;B1U]	388.7	[137;B2U]	389.1	[138;AG]	390.7	[139;B3U]
393.7	[140;B1U]	394.6	[141;B1G]	395.8	[142;B2U]	396.0	[143;B3G]
396.0	[144;AU]	399.9	[145;B1U]	400.6	[146;B2G]	402.4	[147;B3U]
403.2	[148;AU]	405.2	[149;B2G]	406.4	[150;B3U]	407.1	[151;B3G]
409.0	[152;B2G]	409.6	[153;B2U]	412.6	[154;AG]	415.3	[155;B1U]
416.3	[156;AU]	417.5	[157;B1G]	422.3	[158;B3G]	427.2	[159;B2U]
430.5	[160;AU]	432.3	[161;AG]	434.6	[162;B3G]	434.6	[163;B1G]
435.9	[164;B3U]	437.8	[165;B1G]	441.2	[166;B2G]	441.5	[167;B1U]

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  442.8 [ 168;B2U]   443.1 [ 169;AU ]   444.8 [ 170;B3U]   446.1 [ 171;AG ]
  446.3 [ 172;B3G]   452.5 [ 173;B2U]   456.1 [ 174;AU ]   457.2 [ 175;B2G]
  457.9 [ 176;B2U]   458.8 [ 177;B1G]   460.8 [ 178;B1G]   462.3 [ 179;AG ]
  462.8 [ 180;B1U]   463.0 [ 181;B3G]   464.6 [ 182;B3U]   472.1 [ 183;B1U]
  474.9 [ 184;AU ]   479.1 [ 185;B2G]   481.0 [ 186;B1U]   483.4 [ 187;B3G]
  486.6 [ 188;B2U]   491.2 [ 189;AG ]   491.8 [ 190;B1G]   493.1 [ 191;B3U]
  493.4 [ 192;B2G]   496.9 [ 193;B2U]   505.8 [ 194;B1U]   506.4 [ 195;AU ]
  506.6 [ 196;B3U]   506.8 [ 197;AG ]   507.9 [ 198;B1G]   508.4 [ 199;B3G]
  518.0 [ 200;AU ]   522.6 [ 201;B2G]   525.1 [ 202;B3U]   526.7 [ 203;B1U]
  530.4 [ 204;B2U]   531.0 [ 205;AG ]   541.8 [ 206;B3G]   549.9 [ 207;B1G]
  552.9 [ 208;AU ]   557.9 [ 209;B2G]   558.8 [ 210;B3U]   559.1 [ 211;B2U]
  561.0 [ 212;AG ]   563.0 [ 213;B1U]   567.2 [ 214;B2G]   569.5 [ 215;B2U]
  569.8 [ 216;B1G]   572.6 [ 217;B1U]   574.4 [ 218;B3G]   578.7 [ 219;B2G]
  581.9 [ 220;B1G]   587.0 [ 221;AG ]   589.6 [ 222;B3U]   591.0 [ 223;AU ]
  593.5 [ 224;B2U]   599.7 [ 225;B1U]   606.1 [ 226;B3G]   607.0 [ 227;B3U]
  610.2 [ 228;B1G]   611.1 [ 229;AU ]   611.5 [ 230;B2U]   612.5 [ 231;AU ]
  615.5 [ 232;B3G]   617.2 [ 233;B1U]   618.4 [ 234;B2G]   622.1 [ 235;B2U]
  625.2 [ 236;B1G]   626.2 [ 237;B2G]   628.9 [ 238;B1U]   629.0 [ 239;AG ]
  631.7 [ 240;B3U]   682.6 [ 241;B2U]   683.2 [ 242;B1U]   684.5 [ 243;AU ]
  685.5 [ 244;B1G]   686.5 [ 245;B3G]   692.6 [ 246;AG ]   693.3 [ 247;B3U]
  710.8 [ 248;AU ]   722.2 [ 249;B3G]   727.4 [ 250;B2U]   728.9 [ 251;B2G]
  735.5 [ 252;B1U]   736.0 [ 253;B3U]   736.5 [ 254;AG ]   737.3 [ 255;AU ]
  742.9 [ 256;B2U]   743.3 [ 257;B1G]   746.9 [ 258;B3U]   747.8 [ 259;B1U]
  751.4 [ 260;AU ]   752.5 [ 261;B3G]   762.4 [ 262;B2U]   763.8 [ 263;B1G]
  764.2 [ 264;B2G]   766.6 [ 265;AG ]   769.9 [ 266;B2G]   775.1 [ 267;B3U]
  776.3 [ 268;B1U]   783.2 [ 269;AG ]   789.0 [ 270;B2G]   791.7 [ 271;B3U]
  797.8 [ 272;AG ]   798.9 [ 273;AU ]   800.5 [ 274;B1G]   800.6 [ 275;B3G]
  803.8 [ 276;B3G]   806.3 [ 277;B2U]   807.5 [ 278;B1U]   809.7 [ 279;B3U]
  809.8 [ 280;AU ]   814.9 [ 281;B2G]   815.3 [ 282;AG ]   816.3 [ 283;B1U]
  816.4 [ 284;B2G]   821.3 [ 285;B1G]   823.5 [ 286;B2U]   828.6 [ 287;B3G]
  830.1 [ 288;B3U]   830.2 [ 289;AG ]   831.3 [ 290;B1G]   846.8 [ 291;AU ]
  847.6 [ 292;B3G]   959.6 [ 293;B3U]   960.5 [ 294;AG ]   976.0 [ 295;B3G]
  976.1 [ 296;AU ]  1018.0 [ 297;B1U]  1019.6 [ 298;B2U]  1019.8 [ 299;B2G]
 1019.9 [ 300;B1G]  1171.6 [ 301;B2G]  1171.8 [ 302;AG ]  1174.0 [ 303;B1U]
 1175.1 [ 304;B3U]  1177.1 [ 305;B2U]  1177.6 [ 306;B1G]  1177.9 [ 307;AU ]
 1182.0 [ 308;B2U]  1184.7 [ 309;B3G]  1188.7 [ 310;B1U]  1189.5 [ 311;B1G]
 1214.9 [ 312;B3G]  1217.3 [ 313;B3U]  1218.4 [ 314;B2G]  1218.6 [ 315;AG ]
 1219.5 [ 316;AU ]  1222.8 [ 317;B1G]  1225.2 [ 318;AG ]  1226.0 [ 319;B1U]
 1227.1 [ 320;B3G]  1230.5 [ 321;B2G]  1232.0 [ 322;B3U]  1249.0 [ 323;AU ]
 1249.0 [ 324;B2U]  1273.3 [ 325;B3G]  1275.5 [ 326;B1U]  1275.5 [ 327;B1G]
 1286.3 [ 328;B2U]  1286.5 [ 329;AG ]  1286.6 [ 330;B3U]  1286.6 [ 331;B1G]
 1289.1 [ 332;AU ]  1295.1 [ 333;B2G]  1302.9 [ 334;AG ]  1305.2 [ 335;B3G]
 1306.3 [ 336;B2G]  1307.1 [ 337;B1U]  1308.5 [ 338;B2U]  1323.0 [ 339;AU ]
 1330.9 [ 340;B3U]  1336.2 [ 341;B2G]  1336.3 [ 342;B1U]  1336.5 [ 343;B2U]
 1336.6 [ 344;AG ]  1337.1 [ 345;AU ]  1342.8 [ 346;B1G]  1342.9 [ 347;B3G]
 1351.4 [ 348;B3U]  1352.7 [ 349;B1U]  1368.9 [ 350;AG ]  1369.0 [ 351;B1G]
 1369.5 [ 352;B2G]  1374.4 [ 353;B3U]  1374.9 [ 354;B3G]  1376.6 [ 355;B2U]
 1380.7 [ 356;AU ]  1402.1 [ 357;AG ]  1404.1 [ 358;B3U]  1409.8 [ 359;B1U]
 1413.8 [ 360;B2U]  1413.8 [ 361;B1G]  1413.9 [ 362;B2G]  1429.1 [ 363;AG ]
 1430.5 [ 364;B3U]  1440.5 [ 365;B3G]  1440.9 [ 366;AU ]  1459.2 [ 367;B3G]
 1459.6 [ 368;AU ]  1493.0 [ 369;B1G]  1493.5 [ 370;B2U]  1506.5 [ 371;B1U]
 1524.7 [ 372;B2G]

*******************************************************************************

HARMONIC VIBRATIONAL CONTRIBUTIONS TO THERMODYNAMIC FUNCTIONS AT GIVEN
TEMPERATURE AND PRESSURE:

(EL = ELECTRONIC ENERGY
 E0 = ZERO-POINT ENERGY
 ET = THERMAL CONTRIBUTION TO THE VIBRATIONAL ENERGY
```

```
 PV = PRESSURE * VOLUME
 TS = TEMPERATURE * ENTROPY)

                          AU/CELL             EV/CELL                 KJ/MOL
EL            :  -32887.182504741999 -894905.732082306873   -86345285.49794258
E0            :       0.363330646047       9.886729510547         953.92447676


*****************************************************************************

THERMODYNAMIC FUNCTIONS WITH VIBRATIONAL CONTRIBUTIONS

AT (T =  298.15 K, P =   0.10132500E+00 MPA):

                          AU/CELL             EV/CELL                 KJ/MOL
ET            :       0.132345226116       3.601296689003         347.47234220
PV            :       0.000039347317       0.001070694924           0.10330637
TS            :       0.233138654171       6.344025304010         612.10545026
ET+PV-TS      :      -0.100754080738      -2.741657920083        -264.52980170
EL+E0+ET+PV-TS:  -32886.919928176692 -894898.587010716437   -86344596.10326752

OTHER THERMODINAMIC FUNCTIONS:

                     mHARTREE/(CELL*K)     mEV/(CELL*K)             J/(MOL*K)
ENTROPY       :       0.781950877649      21.277965131678        2053.01173995
HEAT CAPACITY :       0.818337419270      22.268093266315        2148.54459151

*****************************************************************************
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT END         TELAPSE    46248.78 TCPU    44958.21
EEEEEEEEEE TERMINATION  DATE 11 06 2011 TIME 00:57:40.4
NODE    0 CPU TIME =     44958.212
NODE    1 CPU TIME =     44927.280
NODE    2 CPU TIME =     44923.693
NODE    3 CPU TIME =     44960.400
NODE    4 CPU TIME =     44996.073
NODE    5 CPU TIME =     44991.404
NODE    6 CPU TIME =     44912.745
NODE    7 CPU TIME =     44961.942
NODE    8 CPU TIME =     44910.354
NODE    9 CPU TIME =     44930.722
NODE   10 CPU TIME =     44877.712
NODE   11 CPU TIME =     44950.665
NODE   12 CPU TIME =     44996.494
NODE   13 CPU TIME =     44977.133
NODE   14 CPU TIME =     45039.838
NODE   15 CPU TIME =     45019.620
NODE   16 CPU TIME =     44893.602
NODE   17 CPU TIME =     44931.463
NODE   18 CPU TIME =     44828.436
NODE   19 CPU TIME =     44898.659
NODE   20 CPU TIME =     44817.291
NODE   21 CPU TIME =     44880.829
NODE   22 CPU TIME =     44994.271
NODE   23 CPU TIME =     44894.704
NODE   24 CPU TIME =     45025.023
NODE   25 CPU TIME =     44982.609
NODE   26 CPU TIME =     44919.791
NODE   27 CPU TIME =     45009.896
NODE   28 CPU TIME =     44866.625
NODE   29 CPU TIME =     44884.023
NODE   30 CPU TIME =     44779.893
```

```
NODE   31 CPU TIME =     44879.523
    TOTAL CPU TIME =   1437820.927
Sat Jun 11 00:57:42 CEST 2011
Contents of temporary directory in master node n001.leo1:
total 26302241
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 dffit3.dat
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe1
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe10
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe11
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe12
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe13
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe14
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe15
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe16
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe17
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe18
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe19
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe2
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe20
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe21
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe22
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe23
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe24
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe25
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe26
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe27
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe28
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe29
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe3
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe30
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe31
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe4
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe5
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe6
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe7
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe8
-rw-r--r--+ 1 c71460 c714       384 Jun 11 00:28 ERROR.pe9
-rw-r--r--+ 1 c71460 c714    138656 Jun 11 00:57 fort.10.pe0
-rw-r--r--+ 1 c71460 c714 108160008 Jun 10 23:56 fort.10.pe1
-rw-r--r--+ 1 c71460 c714 108160008 Jun 10 23:52 fort.10.pe10
-rw-r--r--+ 1 c71460 c714 108160008 Jun 10 23:50 fort.10.pe11
-rw-r--r--+ 1 c71460 c714 108160008 Jun 10 23:52 fort.10.pe12
-rw-r--r--+ 1 c71460 c714 108160008 Jun 10 23:57 fort.10.pe13
-rw-r--r--+ 1 c71460 c714 108160008 Jun 10 23:57 fort.10.pe14
-rw-r--r--+ 1 c71460 c714 108160008 Jun 10 23:52 fort.10.pe15
-rw-r--r--+ 1 c71460 c714 108160008 Jun 10 23:56 fort.10.pe16
-rw-r--r--+ 1 c71460 c714 108160008 Jun 10 23:53 fort.10.pe17
-rw-r--r--+ 1 c71460 c714 108160008 Jun 10 23:56 fort.10.pe18
-rw-r--r--+ 1 c71460 c714 108160008 Jun 10 23:55 fort.10.pe19
-rw-r--r--+ 1 c71460 c714 108160008 Jun 10 23:53 fort.10.pe2
-rw-r--r--+ 1 c71460 c714 108160008 Jun 10 23:56 fort.10.pe20
-rw-r--r--+ 1 c71460 c714 108160008 Jun 10 23:51 fort.10.pe21
-rw-r--r--+ 1 c71460 c714  54080008 Jun 10 23:49 fort.10.pe22
-rw-r--r--+ 1 c71460 c714 108160008 Jun 10 23:52 fort.10.pe23
-rw-r--r--+ 1 c71460 c714  54080008 Jun 10 23:46 fort.10.pe24
-rw-r--r--+ 1 c71460 c714 108160008 Jun 10 23:55 fort.10.pe25
-rw-r--r--+ 1 c71460 c714 108160008 Jun 10 23:55 fort.10.pe26
-rw-r--r--+ 1 c71460 c714 108160008 Jun 10 23:53 fort.10.pe27
-rw-r--r--+ 1 c71460 c714 162240016 Jun 10 23:56 fort.10.pe28
-rw-r--r--+ 1 c71460 c714 162240016 Jun 10 23:57 fort.10.pe29
```

```
-rw-r--r--+ 1 c71460 c714  54080008 Jun 10 23:46 fort.10.pe3
-rw-r--r--+ 1 c71460 c714 162240016 Jun 10 23:55 fort.10.pe30
-rw-r--r--+ 1 c71460 c714 162240016 Jun 10 23:55 fort.10.pe31
-rw-r--r--+ 1 c71460 c714 108160008 Jun 10 23:55 fort.10.pe4
-rw-r--r--+ 1 c71460 c714  54080008 Jun 10 23:48 fort.10.pe5
-rw-r--r--+ 1 c71460 c714 108160008 Jun 10 23:57 fort.10.pe6
-rw-r--r--+ 1 c71460 c714 108160008 Jun 10 23:56 fort.10.pe7
-rw-r--r--+ 1 c71460 c714 108160008 Jun 10 23:57 fort.10.pe8
-rw-r--r--+ 1 c71460 c714 108160008 Jun 10 23:57 fort.10.pe9
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe0
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe1
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe10
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe11
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe12
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe13
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe14
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe15
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe16
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe17
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe18
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe19
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe2
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe20
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe21
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe22
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe23
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe24
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe25
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe26
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe27
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe28
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe29
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe3
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe30
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe31
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe4
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe5
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe6
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe7
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe8
-rw-r--r--+ 1 c71460 c714  45577200 Jun 11 00:05 fort.11.pe9
-rw-r--r--+ 1 c71460 c714    186628 Jun 10 18:01 fort.12
-rw-r--r--+ 1 c71460 c714  45330376 May 19 11:53 fort.13
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.17.pe1
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.17.pe10
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.17.pe11
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.17.pe12
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.17.pe13
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.17.pe14
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.17.pe15
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.17.pe16
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.17.pe17
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.17.pe18
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.17.pe19
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.17.pe2
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.17.pe20
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.17.pe21
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.17.pe22
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.17.pe23
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.17.pe24
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.17.pe25
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-rw-r--r--+ 1 c71460 c714         0 May 20 16:17 fort.17.pe26
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.17.pe27
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.17.pe28
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.17.pe29
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.17.pe3
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.17.pe30
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.17.pe31
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.17.pe4
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.17.pe5
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.17.pe6
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.17.pe7
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.17.pe8
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.17.pe9
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.18.pe0
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.18.pe1
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.18.pe10
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.18.pe11
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.18.pe12
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.18.pe13
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.18.pe14
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.18.pe15
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.18.pe16
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.18.pe17
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.18.pe18
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.18.pe19
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.18.pe2
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.18.pe20
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.18.pe21
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.18.pe22
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.18.pe23
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.18.pe24
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.18.pe25
-rw-r--r--+ 1 c71460 c714         0 May 20 16:17 fort.18.pe26
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.18.pe27
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.18.pe28
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.18.pe29
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.18.pe3
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.18.pe30
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.18.pe31
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.18.pe4
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.18.pe5
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.18.pe6
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.18.pe7
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.18.pe8
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.18.pe9
-rw-r--r--+ 1 c71460 c714     35664 Jun 11 00:57 fort.19.pe0
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe1
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe10
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe11
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe12
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe13
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe14
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe15
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe16
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe17
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe18
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe19
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe2
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe20
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe21
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe22
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-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe23
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe24
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe25
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe26
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe27
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe28
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe29
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe3
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe30
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe31
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe4
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe5
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe6
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe7
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe8
-rw-r--r--+ 1 c71460 c714   3469408 Jun 11 00:57 fort.19.pe9
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.1.pe0
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.1.pe1
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.1.pe10
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.1.pe11
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.1.pe12
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.1.pe13
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.1.pe14
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.1.pe15
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.1.pe16
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.1.pe17
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.1.pe18
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.1.pe19
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.1.pe2
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.1.pe20
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.1.pe21
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.1.pe22
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.1.pe23
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.1.pe24
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.1.pe25
-rw-r--r--+ 1 c71460 c714         0 May 20 16:17 fort.1.pe26
-rw-r--r--+ 1 c71460 c714         0 May 20 16:17 fort.1.pe27
-rw-r--r--+ 1 c71460 c714         0 May 20 16:17 fort.1.pe28
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.1.pe29
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.1.pe3
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.1.pe30
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.1.pe31
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.1.pe4
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-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.1.pe6
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.1.pe7
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-rw-r--r--+ 1 c71460 c714   9219748 May 19 11:54 fort.20
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.28
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.29
-rw-r--r--+ 1 c71460 c714 301880456 Jun 11 00:28 fort.38.pe0
-rw-r--r--+ 1 c71460 c714 301880456 Jun 11 00:28 fort.38.pe1
-rw-r--r--+ 1 c71460 c714 301880456 Jun 11 00:29 fort.38.pe10
-rw-r--r--+ 1 c71460 c714 301880456 Jun 11 00:28 fort.38.pe11
-rw-r--r--+ 1 c71460 c714 301880456 Jun 11 00:29 fort.38.pe12
-rw-r--r--+ 1 c71460 c714 301880456 Jun 11 00:29 fort.38.pe13
-rw-r--r--+ 1 c71460 c714 301880456 Jun 11 00:29 fort.38.pe14
-rw-r--r--+ 1 c71460 c714 301880456 Jun 11 00:29 fort.38.pe15
-rw-r--r--+ 1 c71460 c714 301880456 Jun 11 00:29 fort.38.pe16
-rw-r--r--+ 1 c71460 c714 301880456 Jun 11 00:28 fort.38.pe17
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-rw-r--r--+ 1 c71460 c714 301880456 Jun 11 00:28 fort.38.pe18
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-rw-r--r--+ 1 c71460 c714 301880456 Jun 11 00:28 fort.38.pe21
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-rw-r--r--+ 1 c71460 c714 301880456 Jun 11 00:29 fort.38.pe23
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-rw-r--r--+ 1 c71460 c714 301880456 Jun 11 00:29 fort.38.pe25
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-rw-r--r--+ 1 c71460 c714 301880456 Jun 11 00:29 fort.38.pe27
-rw-r--r--+ 1 c71460 c714 301880456 Jun 11 00:28 fort.38.pe28
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-rw-r--r--+ 1 c71460 c714 301880456 Jun 11 00:29 fort.38.pe3
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-rw-r--r--+ 1 c71460 c714 301880456 Jun 11 00:29 fort.38.pe31
-rw-r--r--+ 1 c71460 c714 301880456 Jun 11 00:28 fort.38.pe4
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-rw-r--r--+ 1 c71460 c714 301880456 Jun 11 00:29 fort.38.pe9
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-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.3.pe1
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.3.pe10
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.3.pe11
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.3.pe12
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.3.pe13
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.3.pe14
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.3.pe15
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.3.pe16
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.3.pe17
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.3.pe18
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.3.pe19
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.3.pe2
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.3.pe20
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.3.pe21
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.3.pe22
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.3.pe23
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.3.pe24
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.3.pe25
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-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.3.pe3
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.3.pe30
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.3.pe31
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.3.pe4
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.3.pe5
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.3.pe6
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.3.pe7
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.3.pe8
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.3.pe9
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-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.40.pe10
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.40.pe11
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.40.pe12
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.40.pe13
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.40.pe14
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-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.40.pe17
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.40.pe18
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.40.pe19
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.40.pe2
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.40.pe20
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.40.pe21
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.40.pe22
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.40.pe23
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.40.pe24
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.40.pe25
-rw-r--r--+ 1 c71460 c714         0 May 20 16:17 fort.40.pe26
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.40.pe27
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.40.pe28
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.40.pe29
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.40.pe3
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.40.pe30
-rw-r--r--+ 1 c71460 c714         0 May 20 16:18 fort.40.pe31
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.40.pe4
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.40.pe5
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.40.pe6
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.40.pe7
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.40.pe8
-rw-r--r--+ 1 c71460 c714         0 May 19 08:29 fort.40.pe9
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-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.71.pe12
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.71.pe13
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.71.pe14
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.71.pe15
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.71.pe16
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.71.pe17
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.71.pe18
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.71.pe19
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.71.pe2
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-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.71.pe21
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.71.pe22
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.71.pe23
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.71.pe24
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.71.pe25
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.71.pe26
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.71.pe27
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:04 fort.71.pe28
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:04 fort.71.pe29
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.71.pe3
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.71.pe30
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.71.pe31
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:04 fort.71.pe4
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.71.pe5
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.71.pe6
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:04 fort.71.pe7
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.71.pe8
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.71.pe9
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.72.pe0
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.72.pe1
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.72.pe10
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-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.72.pe11
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.72.pe12
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.72.pe13
-rw-r--r--+ 1 c71460 c714 113942600 Jun 11 00:05 fort.72.pe14
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-rw-r--r--+ 1 c71460 c714 108160008 Jun 11 00:10 fort.8.pe21
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-rw-r--r--+ 1 c71460 c714  22954136 Jun 10 23:58 fort.95.pe20
-rw-r--r--+ 1 c71460 c714  22954136 Jun 10 23:58 fort.95.pe21
-rw-r--r--+ 1 c71460 c714  22954136 Jun 10 23:58 fort.95.pe22
-rw-r--r--+ 1 c71460 c714  22954136 Jun 10 23:58 fort.95.pe23
-rw-r--r--+ 1 c71460 c714  22954136 Jun 10 23:58 fort.95.pe24
-rw-r--r--+ 1 c71460 c714  22954136 Jun 10 23:58 fort.95.pe25
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-rw-r--r--+ 1 c71460 c714  22954136 Jun 10 23:58 fort.95.pe27
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-rw-r--r--+ 1 c71460 c714  22954136 Jun 10 23:58 fort.95.pe29
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-rw-r--r--+ 1 c71460 c714  22954136 Jun 10 23:58 fort.95.pe6
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-rw-r--r--+ 1 c71460 c714  22788520 Jun 10 18:01 fort.96.pe30
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-rw-r--r--+ 1 c71460 c714  22788520 Jun 10 18:01 fort.96.pe5
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-rw-r--r--+ 1 c71460 c714   2940660 Jun 11 00:57 HESSFREQ.DAT
-rw-r--r--+ 1 c71460 c714      3871 Jun 10 12:06 INPUT
-rw-r--r--+ 1 c71460 c714      3871 Jun 10 12:06 Pavlovskyite-FREQ.d12
-rw-r--r--+ 1 c71460 c714    104980 May 20 08:21 SCFOUT.LOG
wave function binary file /mnt/x4540/hpc-scratch/c71460/leo1/Kilchoanite/Pavlovskyite-
FREQ.f9
file HESSFREQ.DAT saved as /mnt/x4540/hpc-scratch/c71460/leo1/Kilchoanite/Pavlovskyite-
FREQ.hessfreq
file SCFOUT.LOG saved as /mnt/x4540/hpc-scratch/c71460/leo1/Kilchoanite/Pavlovskyite-
FREQ.SCFLOG
file FREQINFO.DAT saved as /mnt/x4540/hpc-scratch/c71460/leo1/Kilchoanite/Pavlovskyite-
FREQ.freqinfo
file fort.13 saved as /mnt/x4540/hpc-scratch/c71460/leo1/Kilchoanite/Pavlovskyite-FREQ.f13
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_chemical_name_systematic
;
 ?
;
_chemical_name_common             ?
_chemical_melting_point           ?
_chemical_formula_moiety          ?
_chemical_formula_sum
 'Ca8 O18 Si5'
_chemical_formula_weight          749.09

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 _atom_type_symbol
 _atom_type_description
 _atom_type_scat_dispersion_real
 _atom_type_scat_dispersion_imag
 _atom_type_scat_source
 'O'  'O'   0.0106   0.0060
 'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'
 'Si'  'Si'   0.0817   0.0704
 'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'
 'Ca'  'Ca'   0.2262   0.3064
 'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'

_symmetry_cell_setting            ?
_symmetry_space_group_name_H-M    ?

loop_
 _symmetry_equiv_pos_as_xyz
 'x, y, z'
 '-x+1/2, -y+1/2, z+1/2'
 'x+1/2, -y+1/2, -z'
 '-x, y, -z+1/2'
 '-x, -y, -z'
 'x-1/2, y-1/2, -z-1/2'
 '-x-1/2, y-1/2, z'
 'x, -y, z-1/2'

_cell_length_a                    5.08510(10)
_cell_length_b                    11.4165(3)
_cell_length_c                    28.6408(8)
_cell_angle_alpha                 90.00
_cell_angle_beta                  90.00
_cell_angle_gamma                 90.00
_cell_volume                      1662.71(7)
_cell_formula_units_Z             4
_cell_measurement_temperature     293(2)
_cell_measurement_reflns_used     ?
_cell_measurement_theta_min       ?
_cell_measurement_theta_max       ?

_exptl_crystal_description        ?
_exptl_crystal_colour             ?
_exptl_crystal_size_max           ?
_exptl_crystal_size_mid           ?
_exptl_crystal_size_min           ?
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_exptl_crystal_density_meas       ?
_exptl_crystal_density_diffrn     2.992
_exptl_crystal_density_method     'not measured'
_exptl_crystal_F_000              1496
_exptl_absorpt_coefficient_mu     2.996
_exptl_absorpt_correction_type    ?
_exptl_absorpt_correction_T_min   ?
_exptl_absorpt_correction_T_max   ?
_exptl_absorpt_process_details    ?

_exptl_special_details
;
 ?
;

_diffrn_ambient_temperature       293(2)
_diffrn_radiation_wavelength      0.71073
_diffrn_radiation_type            MoK\a
_diffrn_radiation_source          'fine-focus sealed tube'
_diffrn_radiation_monochromator   graphite
_diffrn_measurement_device_type   ?
_diffrn_measurement_method        ?
_diffrn_detector_area_resol_mean  ?
_diffrn_standards_number          ?
_diffrn_standards_interval_count  ?
_diffrn_standards_interval_time   ?
_diffrn_standards_decay_%         ?
_diffrn_reflns_number             14962
_diffrn_reflns_av_R_equivalents   0.0698
_diffrn_reflns_av_sigmaI/netI     0.0741
_diffrn_reflns_limit_h_min        -6
_diffrn_reflns_limit_h_max        7
_diffrn_reflns_limit_k_min        -16
_diffrn_reflns_limit_k_max        16
_diffrn_reflns_limit_l_min        -34
_diffrn_reflns_limit_l_max        40
_diffrn_reflns_theta_min          1.42
_diffrn_reflns_theta_max          30.50
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_reflns_number_gt                 1685
_reflns_threshold_expression      >2sigma(I)

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_computing_cell_refinement        ?
_computing_data_reduction         ?
_computing_structure_solution     'SHELXS-97 (Sheldrick, 1990)'
_computing_structure_refinement   'SHELXL-97 (Sheldrick, 1997)'
_computing_molecular_graphics     ?
_computing_publication_material   ?

_refine_special_details
;
 Refinement of F^2^ against ALL reflections.  The weighted R-factor wR and
 goodness of fit S are based on F^2^, conventional R-factors R are based
 on F, with F set to zero for negative F^2^. The threshold expression of
 F^2^ > 2sigma(F^2^) is used only for calculating R-factors(gt) etc. and is
 not relevant to the choice of reflections for refinement.  R-factors based
 on F^2^ are statistically about twice as large as those based on F, and R-
 factors based on ALL data will be even larger.
;
```

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_refine_ls_matrix_type            full
_refine_ls_weighting_scheme       calc
_refine_ls_weighting_details
 'calc w=1/[\s^2^(Fo^2^)+(0.0000P)^2^+1.8156P] where P=(Fo^2^+2Fc^2^)/3'
_atom_sites_solution_primary      direct
_atom_sites_solution_secondary    difmap
_atom_sites_solution_hydrogens    geom
_refine_ls_hydrogen_treatment     mixed
_refine_ls_extinction_method      none
_refine_ls_extinction_coef        ?
_refine_ls_number_reflns          2543
_refine_ls_number_parameters      143
_refine_ls_number_restraints      0
_refine_ls_R_factor_all           0.0669
_refine_ls_R_factor_gt            0.0387
_refine_ls_wR_factor_ref          0.1012
_refine_ls_wR_factor_gt           0.0878
_refine_ls_goodness_of_fit_ref    1.021
_refine_ls_restrained_S_all       1.021
_refine_ls_shift/su_max           0.001
_refine_ls_shift/su_mean          0.000

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 _atom_site_type_symbol
 _atom_site_fract_x
 _atom_site_fract_y
 _atom_site_fract_z
 _atom_site_U_iso_or_equiv
 _atom_site_adp_type
 _atom_site_occupancy
 _atom_site_symmetry_multiplicity
 _atom_site_calc_flag
 _atom_site_refinement_flags
 _atom_site_disorder_assembly
 _atom_site_disorder_group
Si1 Si 0.57130(16) 0.40471(8) 0.44237(3) 0.01033(17) Uani 1 1 d . . .
Si2 Si 0.44100(16) 0.59487(8) 0.32685(3) 0.01072(18) Uani 1 1 d . . .
Si3 Si 0.5000 0.76288(10) 0.2500 0.0104(2) Uani 1 2 d S . .
Ca1 Ca 0.49692(12) 0.71708(5) 0.44226(2) 0.01152(13) Uani 1 1 d . . .
Ca2 Ca 0.0000 0.5000 0.5000 0.01216(18) Uani 1 2 d S . .
Ca3 Ca 0.99397(13) 0.48889(6) 0.37768(2) 0.01380(14) Uani 1 1 d . . .
Ca4 Ca 0.50366(12) 0.28416(5) 0.33030(2) 0.01147(14) Uani 1 1 d . . .
Ca5 Ca 0.0000 0.51645(8) 0.2500 0.01329(18) Uani 1 2 d S . .
O1 O 0.7049(4) 0.53615(19) 0.44034(8) 0.0129(4) Uani 1 1 d . . .
O2 O 0.7027(4) 0.3358(2) 0.39786(8) 0.0138(5) Uani 1 1 d . . .
O3 O 0.7018(4) 0.34189(19) 0.48832(8) 0.0129(5) Uani 1 1 d . . .
O4 O 0.2523(4) 0.4051(2) 0.44082(8) 0.0124(4) Uani 1 1 d . . .
O5 O 0.3015(4) 0.6569(2) 0.37139(8) 0.0141(5) Uani 1 1 d . . .
O6 O 0.3092(4) 0.4676(2) 0.32021(9) 0.0142(5) Uani 1 1 d . . .
O7 O 0.3118(4) 0.67239(19) 0.28132(8) 0.0123(5) Uani 1 1 d . . .
O8 O 0.7570(4) 0.5992(2) 0.32323(8) 0.0129(5) Uani 1 1 d . . .
O9 O 0.6745(4) 0.8431(2) 0.28283(9) 0.0168(5) Uani 1 1 d . . .

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 _atom_site_aniso_U_22
 _atom_site_aniso_U_33
 _atom_site_aniso_U_23
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 _atom_site_aniso_U_12
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Si2 0.0098(4) 0.0102(4) 0.0122(4) 0.0008(4) -0.0001(3) -0.0005(3)
Si3 0.0113(5) 0.0093(5) 0.0106(6) 0.000 -0.0009(5) 0.000
Ca1 0.0123(3) 0.0096(3) 0.0127(3) 0.0003(2) 0.0001(3) -0.0002(2)
Ca2 0.0107(4) 0.0137(4) 0.0121(4) -0.0021(3) -0.0021(3) -0.0007(3)
Ca3 0.0112(3) 0.0150(3) 0.0152(3) 0.0045(3) 0.0013(3) 0.0004(2)
Ca4 0.0116(3) 0.0100(3) 0.0128(3) -0.0008(2) 0.0002(3) -0.0005(2)
Ca5 0.0142(4) 0.0105(4) 0.0152(4) 0.000 0.0004(4) 0.000
O1 0.0121(9) 0.0107(10) 0.0158(12) 0.0013(10) 0.0005(9) 0.0002(8)
O2 0.0121(10) 0.0151(11) 0.0141(12) -0.0018(10) -0.0003(9) 0.0013(9)
O3 0.0124(10) 0.0126(11) 0.0138(12) 0.0006(10) -0.0008(9) 0.0008(9)
O4 0.0082(9) 0.0151(11) 0.0140(11) -0.0003(10) -0.0007(8) 0.0018(8)
O5 0.0126(10) 0.0165(12) 0.0133(12) -0.0004(10) 0.0004(9) 0.0006(9)
O6 0.0119(10) 0.0120(11) 0.0186(13) -0.0001(10) -0.0005(9) 0.0007(9)
O7 0.0096(9) 0.0126(11) 0.0146(12) 0.0016(10) 0.0005(9) -0.0005(8)
O8 0.0109(9) 0.0123(11) 0.0155(12) 0.0021(10) 0.0002(8) -0.0008(8)
O9 0.0176(11) 0.0130(11) 0.0199(14) 0.0005(10) -0.0060(10) 0.0000(9)

_geom_special_details
;
 All esds (except the esd in the dihedral angle between two l.s. planes)
 are estimated using the full covariance matrix.  The cell esds are taken
 into account individually in the estimation of esds in distances, angles
 and torsion angles; correlations between esds in cell parameters are only
 used when they are defined by crystal symmetry.  An approximate (isotropic)
 treatment of cell esds is used for estimating esds involving l.s. planes.
;

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 _geom_bond_atom_site_label_2
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 _geom_bond_site_symmetry_2
 _geom_bond_publ_flag
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Si1 O3 1.639(2) . ?
Si1 O2 1.640(3) . ?
Si1 O1 1.648(2) . ?
Si1 Ca2 2.9428(9) 1_655 ?
Si1 Ca3 2.9961(11) . ?
Si1 Ca1 3.0675(10) 7_755 ?
Si1 Ca4 3.5093(11) . ?
Si1 Ca2 3.5139(9) . ?
Si1 Ca1 3.5861(11) . ?
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