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Atlas of the I_2 Spectrum from 19 000 to 18 000 cm^{-1} *

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A line identification band atlas is presented for a 1000 cm^{-1} segment, from 19 000 to 18 000 cm^{-1}, of the molecular iodine absorption spectrum. Each page of the atlas covers a 20 cm^{-1} region of the spectrum and contains a CALCOMP produced photodensitometer trace of the spectrum together with accompanying tabular identification data. The tabular data includes: line identification numbers, observed wavenumbers, calculated wavenumbers, and rotational and vibrational assignments.

Key words: High-resolution spectrum; iodine spectrum; line identification atlas; rovibronic assignments; spectral analysis; visible absorption spectroscopy.

1. Introduction

The present article represents the first part of a projected band atlas of the $B^3\Pi_{0^+_u} - X^1\Sigma^+_g$ visible absorption spectrum of the iodine molecule. The region from 19 000 to 18 000 cm^{-1} (from 5261.7 to 5554.0 Å) was chosen for initial study because it exhibits neither the complications of many close-lying upper state vibrational levels found at higher wavenumbers nor the complications of strong hot bands found at lower wavenumbers.

The visible spectrum of I_2 has been extensively studied in the past, of course, and it is not our purpose here to trace the numerous developments in the understanding of that spectrum. Suffice it to say that for the present atlas we have relied heavily on the paper by Wei and Tellinghuisen [1].[1] Measurements here for $J < 100$ agree with the spectrum calculated from the constants of [1] to within ± 0.03 cm^{-1} in most cases and ± 0.01 cm^{-1} in many cases. The vibrational numbering adopted by Wei and Tellinghuisen and used also in the present atlas is that determined by Steinfeld, Zare, Jones, Lesk, and Klemperer [2] and confirmed by Brown and James [3].

We have very recently learned, through a preprint from Gerstenkorn, Luc, and Perrin [4] on the 5350 Å band of iodine and through subsequent correspondence [5], that a study similar to ours is being carried out at the Laboratoire Aimé Cotton in France. The French investigators have measured the iodine visible spectrum interferometrically, obtaining significantly better absolute measurement accuracy, though no appreciable difference in spectral resolution, since the latter is limited in both studies by the molecular line widths. We have received permission [5] to reproduce here (in fig. 1) their display of differences between our measurements and theirs.

The actual band atlas, presented below in figure 2, consists of 50 pages, each containing a 20 cm^{-1} portion of the spectrum, augmented by a 0.5 cm^{-1} overlap at each end. The figure at the top of each page is a CALCOMP display of a photodensitometer trace of the original photographic record of the spectrum. The tabular material below each spectral trace contains a line identification number, a measured wavenumber, the last four digits of a calculated wavenumber, a rotational assignment, and a vibrational assignment. Measured wavenumbers are presented in the atlas in decreasing numerical order, corresponding to the established optical spectroscopy prescription of "red to the right." More detailed comments on the atlas are presented in section 3 below.

2. Apparatus[2]

Each I_2 band for which absorption lines fall in the region of the atlas has been photographed, measured and assigned in its entirety. Therefore, the bands actually analyzed extend from about 19 500 to 17 700 cm^{-1}.

The spectral plates were photographed in the 10th, 11th, or 12th order of a 3.34 m Czerny-Turner spectrograph constructed at the National Bureau of Standards by Dr. J. Reader [6, 7]. The spectrograph is equipped with a 300 line/mm, 220 mm long grating blazed at 6 μm, and is capable of delivering close [8] to its theoretical resolving power (726 000 in 11th order). Unfortunately, the Doppler width of I_2 (0.014 cm^{-1} FWHM at 18 500 cm^{-1} and 25 °C), the quadrupole hyperfine pattern width (~0.030 cm^{-1}), and the instrumental resolution of the photodensitometer prevent this large resolving power from being fully utilized. The measured I_2 linewidths (FWHM) in the spectra presented are of the order of 0.055 cm^{-1}, corresponding to an effective resolving power of approximately 350 000. Exposure times with a high-pressure xenon source lamp and Kodak V-F plates varied from 5 to 20 min. Iodine pressure in the room-temperature, single-pass, 1-m absorption cell was controlled

* Partially supported by the NBS Laser Chemistry Program.

[1] Figures in brackets indicate the literature references at the end of this paper.

[2] In order to adequately describe materials and experimental procedures, it was occasionally necessary to identify commercial products by manufacturer's name or label. In no instance does such identification imply endorsement by the National Bureau of Standards, nor does it imply that the particular product or equipment is the best available for the purpose.

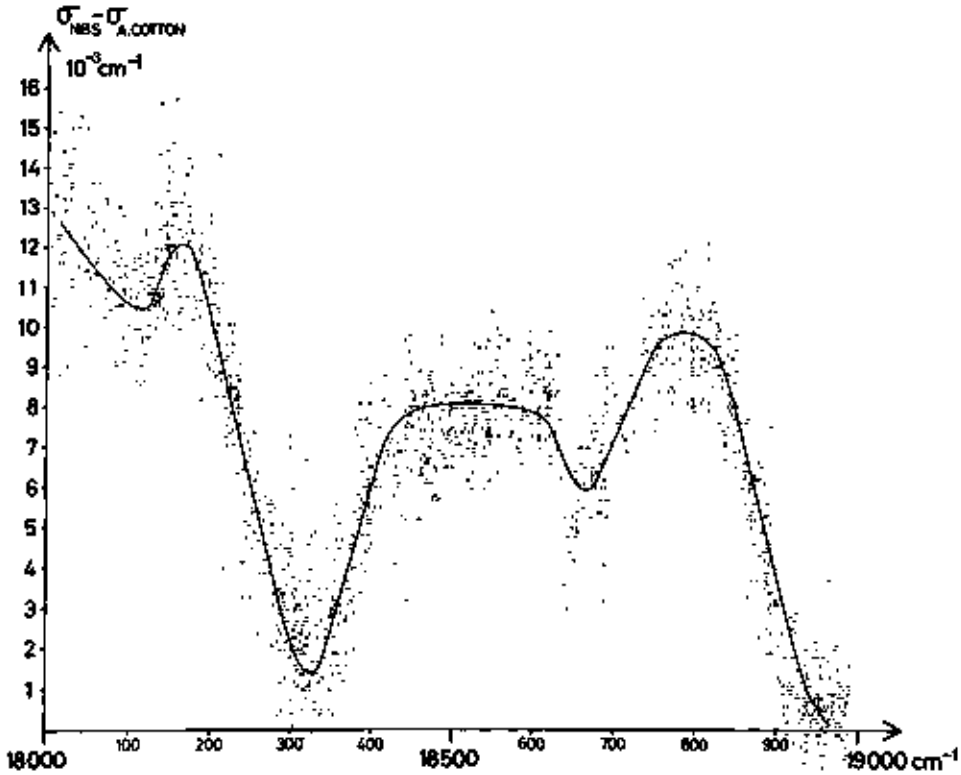


FIGURE 1. *A correction curve for the wavenumbers in this atlas kindly supplied by Gerstenkorn and Luc [5], who plot differences between our grating measurements of the I_2 absorption spectrum (σ_{NBS}) and their interferometric measurements ($\sigma_{A.COTTON}$).*

by a sidearm cooled to temperatures in the range −11 °C to +6 °C. Iodine sidearm temperatures and exposure times are indicated in table 1 for each of the five plates used in the spectral illustrations below.

TABLE 1. *Iodine sidearm temperatures and exposure times for the spectral figures in this atlas*

Spectral region	T °C	Exposure time
19 000–18 920	−6	5 minutes
18 920–18 640	−6	7 minutes
18 640–18 380	−6	5 minutes
18 380–18 180	−11	6.5 minutes
18 180–18 000	−6	6.5 minutes

The I_2 spectrum was measured against thorium emission line standards taken from the extensive catalog of R. Zalubus [9, 10]. Many of the stronger lines have been interferometrically measured, and thorium exposure times were kept short enough to eliminate most of the weaker "grating" lines, but long enough to insure from 20 to 40 standards across a plate encompassing 250 cm^{-1}. Unfortunately, exposure times could not be reduced enough to eliminate all problems with self-reversal, which the computer software described below was not equipped to handle. The interferometrically measured thorium lines are thought to be reliable to ±0.002 cm^{-1} [10], but our third order polynomial fits across one plate (as well as the somewhat higher order fits also examined) gave standard deviations near 0.0045 cm^{-1}. We believe our large standard deviation arises because a few of the thorium emission linewidths (FWHM) approached 0.2 cm^{-1}, or about four times the I_2 absorption linewidths. Our inability to achieve better polynomial fits to the thorium standards represents the principal limitation to obtaining more accurate measurements of the present I_2 spectrum. Based on these considerations, we estimated the I_2 measured wavenumbers to have an absolute accuracy of ±0.015 cm^{-1}. This estimate was confirmed just prior to publication by the more accurate measurements of Gerstenkorn, Luc, and Perrin [4, 5], as shown in figure 1.

The photographic plates were measured on a Grant comparator, which automatically digitally recorded on magnetic tape photodensitometer readings at equidistant 3 μm intervals (about 1/20 of the I_2 FWHM) for both the unknown (I_2) and standard (thorium) channels. The photodensitometer slit width was equivalent to approximately 9 μm on the photographic plates. The magnetic tape record of the photographic plate density was then reduced to a sequentially numbered I_2 line list in cm^{-1} and a CALCOMP spectral trace, using slightly modified versions of computer programs originally written by Dr. A. Maki [11] for reducing infrared data. Subroutines in his programs automatically locate the centers of absorption or emission lines in the two channels, fit the unknown channel against the standard channel, and invoke various criteria (excessive breadth, weakness, etc.) to eliminate undesirable lines from further consideration.

3. Detailed Remarks on the Atlas

To the extent practical, spectra are reproduced in figure 2 with a wavenumber scale equal to 1 cm^{-1} per cm.

The intensity scale is rather arbitrary. Iodine pressures and exposure times were chosen to minimize saturation of the strongest lines and maximize contrast between bands originating in the $v'' = 0$ level and bands originating in $v'' = 1$ and 2. Nonetheless, an intensity alternation approximating the theoretical value of 7:5 for odd:even values of J is clearly visible in unblended portions of both the strong and weak branches.

Unfortunately, it proved impossible to photograph and develop an entire set of plates without encountering some small pinholes and/or scratches in the emulsion, which ultimately show up as apparent absorption lines in the CALCOMP spectrum. It was decided to present as large a portion of spectrum as possible from a single plate in order to preserve as much relative intensity information as possible, rather than to present only blemish-free regions from a large number of plates. We have thus attempted to locate as many of these false absorption lines as possible, by examining each plate for blemishes and by comparing CALCOMP spectra obtained from different plates. We have indicated the "correct" spectrum in the region of false absorption lines thus identified by hand-drawn dotted lines.

The columns headed LINE contain the artitrary sequential line identification number for "ticked" lines in the spectral figures, or contain a blank for "unticked" lines.

The columns headed OBS CM-1 contain measured wavenumbers for each line. Measurements for ticked lines were obtained by processing the spectrum actually shown in the figure. Measurements for unticked lines were obtained from other plates, taken at significantly higher iodine pressures to enhance the weaker lines without concern for the attendant saturation and broadening of the stronger lines. Occasional asterisk entries in this column indicate a line clearly visible in the spectral figure for which an assignment and calculated value, but no measurement, is available.

Each column headed CALC contains the last four digits of calculated wavenumbers approximately equal to the measured wavenumbers in the OBS column immediately to the left. If more than one transition is calculated to lie within the contour of a given measured line in the spectral figure, these several calculated values are given in order of decreasing wavenumber immediately to the right and below the measured line in question. For each branch of the $(v' - 0)$ and $(v' - 1)$ bands, no calculated transitions are presented having J values above the last observed line in the branch (as discussed below). For each branch of the $(v' - 2)$ bands and the $(31 - 1)$ band, no calculated transitions are presented having J values below the first observed line or above the last observed line in the branch. Occasional asterisk entries in this column indicate false absorption lines introduced by the emulsion blemishes described above.

The columns headed ASSIGNMENT contain the rotational branch (P,R) and J assignment followed by the vibrational $(v' - v'')$ assignment of the calculated wavenumber immediately to the left, or contain the word ARTIFACT to indicate a false absorption line.

In almost all cases, the contour of a given spectral line can be understood by taking into account the one or more calculated values associated with it, together with intensity information obtained from examination of nearby unblended lines in the same branch(es).

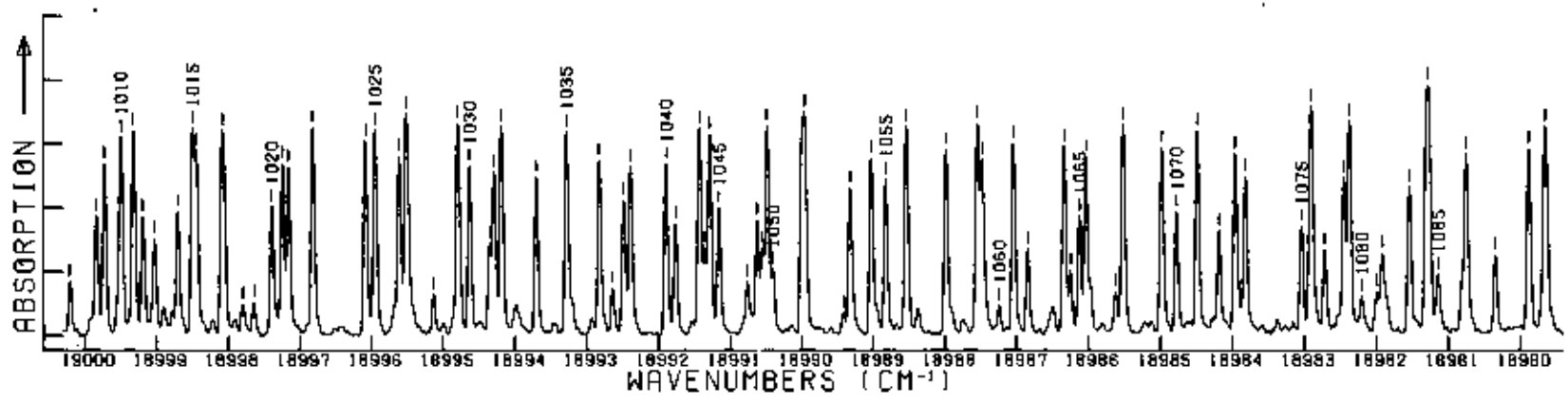
Calculated wavenumbers presented in the CALC columns were obtained from least squares fits of unblended P and R branch lines for each individual $(v' - v'')$ band. Unblended lines were chosen by visual inspection, taking into consideration the intensity alternation and overall intensity variation expected within a given branch, and the essentially constant linewidth expected in each spectral region. For each branch of each band it proved impossible to find unblended lines below a certain minimum J value, and impossible to find lines at all above a certain maximum J value. Thus, for any branch, three types of calculated values can be defined: those interpolated between the minimum and maximum J values used in the fit, those extrapolated to low J beyond lines used in the fit, and those extrapolated to high J beyond lines used in the fit. In no cases are calculated values corresponding to high J extrapolations presented in this atlas. For $(v' - 0)$ and most $(v' - 1)$ bands, all calculated values corresponding to low J extrapolations are presented. For the much weaker $(v' - 2)$ bands and the $(31 - 1)$ band no calculated values corresponding to low J extrapolations are presented.

Least squares fits of the unblended lines in each individual $(v' - v'')$ band were carried out by varying the parameters ν_0, B', B'', D', D'', H', H'', and sometimes L' in equations of the form

$$\begin{aligned} R(J) &= +B'_v(J+1)(J+2) - D'_v(J+1)^2(J+2)^2 \\ &\quad + H'_v(J+1)^3(J+2)^3 + L'_v(J+1)^4(J+2)^4 \\ &\quad - B''_vJ(J+1) + D''_vJ^2(J+1)^2 \\ &\quad - H''_vJ^3(J+1)^3 + \nu_0(v',v'') \end{aligned} \tag{1}$$

$$\begin{aligned} P(J) &= +B'_vJ(J-1) - D'_vJ^2(J-1)^2 \\ &\quad + H'_vJ^3(J-1)^3 + L'_vJ^4(J-1)^4 \\ &\quad - B''_vJ(J+1) + D''_vJ^2(J+1)^2 \\ &\quad - H''_vJ^3(J+1)^3 + \nu_0(v',v''). \end{aligned}$$

Values of the parameters and standard deviations obtained from these band-by-band least squares fits, and of J_{min}, J_{max} and the number of lines in each branch included in the fit, are given in table 2. *The reader is emphatically warned that these band-by-band parameters must not be treated as true molecular constants.* In particular, they should not be used to extrapolate branches beyond J values used in the fits (though with some misgivings we ourselves have violated this precept in presenting calculated values for all low J lines in the $(v' - 0)$ and $(v' - 1)$ heads). Neither should the band-by-band parameters be further reduced to obtain structural information for the I_2 molecule. These parameters are useful, however, and have been used in this atlas, to calculate *interpolated* line positions within a branch; they are presented in table 2 with sufficient precision to permit such back-calcula-



LINE	OBS CM-1	CALC	ASSIGNMENT
1007	19000.181	0.204	R129 (48-0)
1008	18999.824	9.918	R121 (43-0)
		9.835	R119 (36-0)
		9.825	P127 (46-0)
1009	18999.714	9.714	P 36 (35-0)
1010	18999.487	9.467	P143 (42-0)
		9.466	P 69 (36-0)
1011	18999.314	9.378	R141 (49-0)
		9.315	R 59 (35-0)
1012	18999.184	9.182	R107 (36-0)
1013	18999.081	9.082	P117 (38-0)
	18998.896		
	18998.780	8.781	R145 (42-0)
1014	18998.688	8.688	R 92 (37-0)
1015	18998.488	8.488	P 37 (36-0)
1016	18998.439	8.436	R 72 (36-0)
	18998.210		
1017	18998.071	8.068	R 48 (35-0)
		8.067	P105 (36-0)
	18997.988	7.988	P155 (44-0)
1018	18997.793	7.799	P136 (41-0)
1019	18997.688	7.690	R158 (41-0)
1020	18997.388	7.388	P 38 (37-0)
1021	18997.233	7.234	P 38 (35-0)
1022	18997.182	7.182	P 78 (36-0)
1023	18996.813	6.813	R 43 (35-0)
1024	18996.682	6.682	R 73 (36-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
1025	18995.945	5.946	P 39 (35-0)
	18995.679	5.687	P160 (45-0)
		5.685	R157 (44-0)
1026	18995.607	5.612	R120 (39-0)
		5.608	R 93 (37-0)
1027	18995.506	5.515	R 42 (35-0)
		5.495	R130 (40-0)
		5.407	R108 (38-0)
		5.413	P150 (43-0)
1028	18995.127	5.130	P128 (40-0)
	18994.980		
1029	18994.786	4.802	P110 (39-0)
		4.784	P 73 (36-0)
1030	18994.625	4.626	P 40 (35-0)
1031	18994.367	4.369	P106 (38-0)
1032	18994.265	4.265	P 91 (37-0)
1033	18994.182	4.181	R 43 (35-0)
	18993.985	3.983	P144 (42-0)
		3.929	R152 (43-0)
1034	18993.897	3.898	R 78 (36-0)
1035	18993.273	3.273	P 41 (35-0)
	18993.196	3.190	R146 (42-0)
	18992.930		
1036	18992.817	2.817	R 44 (35-0)
1037	18992.636	2.641	P137 (41-0)
		2.634	R162 (45-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
1038	18992.478	2.481	R 94 (37-0)
		2.464	R139 (41-0)
1039	18992.382	2.383	P 72 (36-0)
1040	18991.889	1.889	P 42 (35-0)
1041	18991.785	1.755	R109 (38-0)
CALC	**********	1.848	P156 (44-0)
1042	18991.921	1.921	R 98 (35-0)
1043	18991.348	1.358	R121 (39-0)
1044	18991.275	1.276	R 76 (36-0)
1045	18991.189	1.189	P 92 (37-0)
1046	18990.788	0.784	R131 (40-0)
1047	18990.613	0.614	P107 (38-0)
1048	18990.542	0.544	P119 (39-0)
1049	18990.472	0.472	P 43 (35-0)
1050	18990.394	0.396	P129 (40-0)
1051	18989.955	0.953	R 46 (35-0)
		0.944	P 73 (36-0)
	18989.590		
1052	18989.468	9.417	P151 (43-0)
1053	18989.319	9.320	R 95 (37-0)
		9.278	R158 (44-0)
1054	18989.024	9.024	P 44 (35-0)
	18988.946	8.939	P141 (42-0)
1055	18988.821	8.822	R 76 (36-0)
1056	18988.532	8.532	P 47 (36-0)
	18988.375	8.376	P145 (42-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
1057	18987.980	7.986	R110 (38-0)
		7.979	P 93 (37-0)
	18987.903	7.897	R153 (43-0)
1058	18987.543	7.556	R147 (42-0)
		7.543	P 48 (35-0)
1059	18987.486	7.480	P 74 (36-0)
		7.441	R134 (41-0)
1060	18987.382	7.384	R160 (45-0)
1061	18987.041	7.050	R122 (39-0)
		7.039	R 45 (35-0)
1062	18986.842	6.844	P105 (38-0)
	18986.583		
1063	18986.338	6.335	R 77 (36-0)
1064	18986.248	6.249	P120 (39-0)
1065	18986.122	6.123	R 96 (37-0)
1066	18986.050	6.038	P 46 (35-0)
	18985.971	5.969	R132 (40-0)
	18985.817	5.820	R163 (45-0)
1067	18985.619	5.682	P136 (41-0)
1068	18985.514	5.514	R 49 (35-0)
	18985.130	5.132	P157 (44-0)
1069	18984.978	4.978	P 75 (36-0)
1070	18984.778	4.778	P 94 (37-0)
1071	18984.685	4.684	P 47 (36-0)
	18984.268		
1072	18984.182	4.181	R111 (38-0)
1073	18983.987	3.956	R 50 (35-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
1074	18983.814	3.814	R 78 (36-0)
	18983.573	3.574	P152 (43-0)
	18982.155		
1075	18983.038	3.036	P109 (38-0)
1076	18982.980	2.987	P 48 (35-0)
		2.892	R 97 (37-0)
		2.825	R159 (44-0)
1077	18982.711	2.725	P146 (42-0)
		2.713	R123 (39-0)
1078	18982.443	2.443	P 76 (36-0)
1079	18982.366	2.367	R 51 (35-0)
1080	18982.198	2.201	P139 (41-0)
		2.148	P162 (45-0)
1081	18981.986	1.986	R161 (41-0)
1082	18981.910	1.915	P123 (39-0)
		1.878	R148 (42-0)
		1.819	R134 (43-0)
1083	18981.633	1.634	P 95 (37-0)
1084	18981.278	1.280	P 49 (35-0)
		1.260	R 79 (36-0)
1085	18981.189	1.194	R133 (40-0)
1086	18980.745	0.689	P131 (40-0)
		0.745	R 52 (35-0)
1087	18980.339	0.348	R112 (38-0)
1088	18979.678	9.675	P 77 (36-0)
1089	18979.648	9.656	P 50 (35-0)
		9.625	R 98 (37-0)

FIGURE 2. *Line identification atlas of the I_2 absorption spectrum from 19 000 to 18 000 cm^{-1}.*
See section 3 of the text for details.

ABSORPTION
WAVENUMBERS (CM-1)
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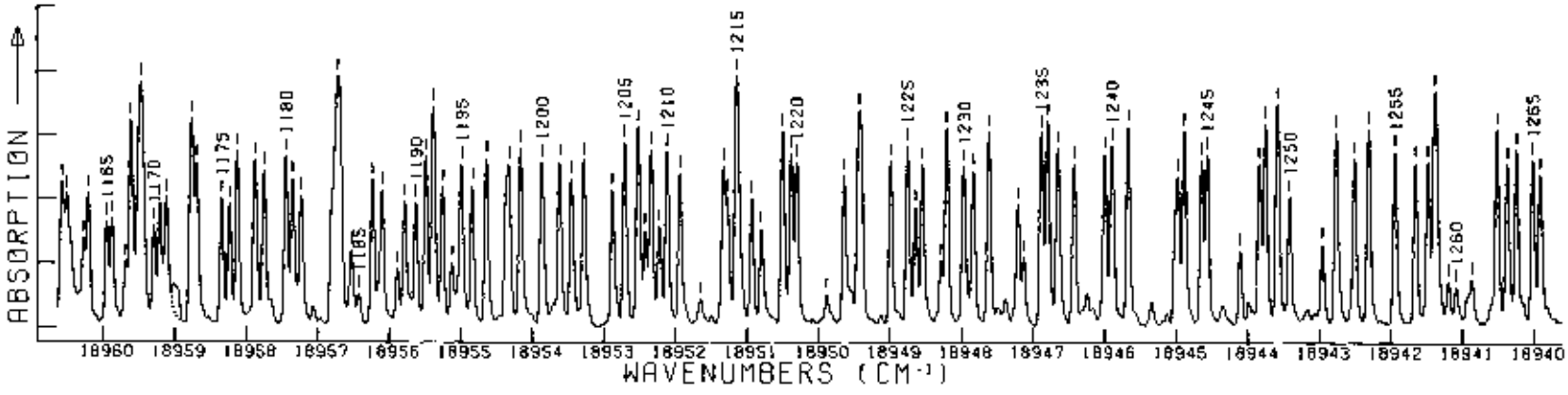


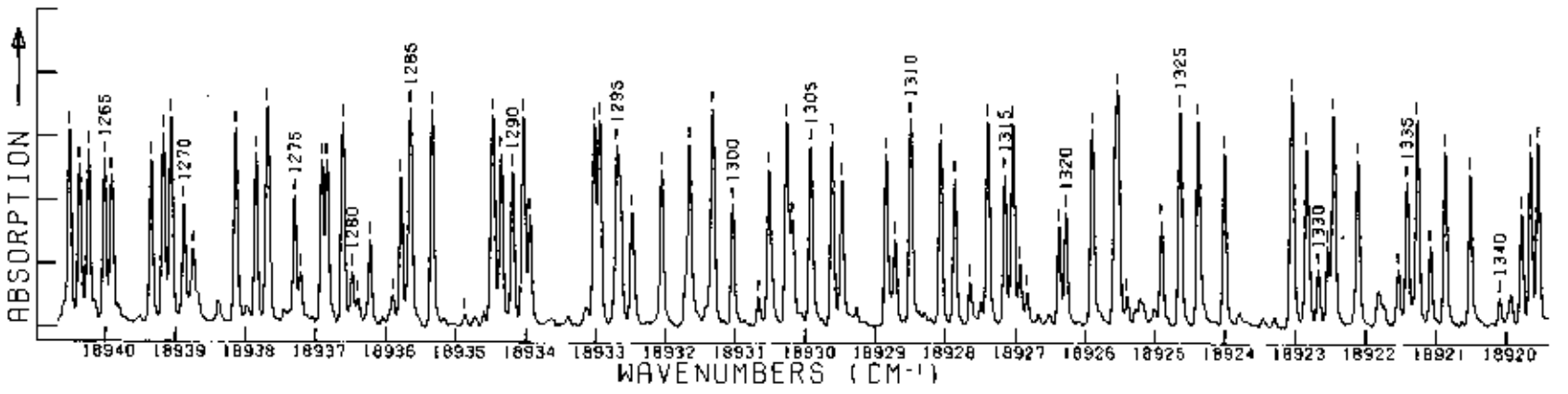
LINE	OBS CM-1	CALC	ASSIGNMENT
1161	18960.571	0.581	R117 (38-0)
		0.868	P 7 (34-0)
1162	18960.583	0.527	R145 (41-0)
		0.499	R 10 (34-0)
		0.449	R128 (38-0)
1163	18960.268	0.269	P 8 (34-0)
116A	18960.202	0.199	R 11 (34-0)
1165	18959.943	9.944	P 9 (34-0)
1166	18959.867	9.867	R 12 (34-0)
1167	18959.677	9.688	P150 (42-0)
		9.679	P126 (38-0)
1168	18959.604	9.609	R 87 (36-0)
		9.589	P 10 (34-0)
1169	18959.463	9.509	R 13 (34-0)
		9.462	P 61 (35-0)
		9.429	P115 (38-0)
1170	18959.285	9.286	R104 (37-0)
1171	18959.202	9.201	P 11 (34-0)
1172	18959.111	9.116	R 14 (34-0)
		*****	ARTIFACT
1173	18958.786	8.765	P 12 (34-0)
		8.751	R 88 (36-0)
		8.726	R152 (42-0)
1174	18958.686	8.684	P 13 (34-0)
1175	18958.533	8.533	P 15 (34-0)
1176	18958.228	8.227	R 16 (34-0)
1177	18958.115	8.116	P 85 (36-0)
1178	18957.864	7.875	P102 (37-0)
		7.852	P 14 (34-0)
1179	18957.740	7.739	R 17 (34-0)
	18957.653		
1180	18957.433	7.432	P 62 (35-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
1181	18957.340	7.340	P 15 (34-0)
1182	18957.220	7.220	R 18 (34-0)
	18957.059	7.064	R158 (43-0)
1183	18956.700	6.797	P 16 (34-0)
		6.750	R 88 (36-0)
		6.707	R 65 (35-0)
		6.669	R 19 (34-0)
1184	18956.520	6.519	R118 (38-0)
1185	18956.417	6.417	R138 (40-0)
1186	18956.222	6.222	P 17 (34-0)
1187	18956.087	6.107	P136 (40-0)
		6.087	R 20 (34-0)
1188	18955.875	5.880	R129 (39-0)
1189	18955.770	5.773	R103 (37-0)
1190	18955.616	5.616	P 18 (34-0)
1191	18955.474	5.474	R 21 (34-0)
1192	18955.369	5.375	P144 (41-0)
		5.369	P 63 (35-0)
		5.366	P116 (38-0)
1193	18955.244	5.249	P 86 (36-0)
1194	18955.118	5.117	P127 (39-0)
		5.087	R106 (41-0)
1195	18954.970	4.979	P 19 (34-0)
1196	18954.829	4.829	R 22 (34-0)
1197	18954.630	4.631	R 66 (35-0)
CALC	**********	4.442	P166 (45-0)
1198	18954.316	4.385	P103 (37-0)
		4.318	P 20 (34-0)
1199	18954.153	4.153	R 23 (34-0)
1200	18953.856	3.857	R 89 (36-0)
		3.819	P151 (42-0)
	18953.697		

LINE	OBS CM-1	CALC	ASSIGNMENT
1201	18953.610	3.610	P 21 (34-0)
1202	18953.445	3.446	R 24 (34-0)
1203	18953.278	3.274	P 64 (35-0)
1204	18952.878	2.879	P 22 (34-0)
		2.828	P153 (42-0)
1205	18952.767	2.707	R 25 (34-0)
1206	18952.521	2.521	R 67 (35-0)
1207	18952.421	2.420	R119 (38-0)
1208	18952.339	2.339	P 67 (36-0)
1209	18952.223	2.224	R106 (39-0)
1210	18952.118	2.116	P 23 (34-0)
1211	18951.957	1.957	R 26 (34-0)
1212	18951.849		
1213	18951.525	1.350	R150 (40-0)
		1.323	P 24 (34-0)
1214	18951.272	1.273	R130 (39-0)
		1.267	P117 (38-0)
1215	18951.141	1.147	P 65 (35-0)
		1.135	P 27 (34-0)
		1.095	P137 (40-0)
1216	18950.930	0.931	R 90 (36-0)
1217	18950.799	0.800	P106 (37-0)
		0.734	R159 (43-0)
1218	18950.499	0.517	P128 (38-0)
		0.497	P 25 (34-0)
1219	18950.379	0.379	R 68 (35-0)
1220	18950.342	0.302	R 28 (34-0)
1221	18949.683	9.885	P105 (41-0)
1222	18949.640	9.641	P 26 (34-0)
	18949.544	9.544	R147 (41-0)
1223	18949.427	9.438	R 29 (34-0)
		9.409	P 88 (36-0)
	18949.125		

LINE	OBS CM-1	CALC	ASSIGNMENT
1224	18948.987	8.986	P 66 (35-0)
	18948.875		
1225	18948.753	8.753	P 27 (34-0)
1226	18948.638	8.639	R107 (37-0)
1227	18948.543	8.543	R 30 (34-0)
1228	18948.283	8.284	R120 (38-0)
1229	18948.204	8.205	R 69 (35-0)
1230	18947.968	7.970	R 91 (36-0)
		7.907	P152 (42-0)
1231	18947.834	7.834	P 28 (34-0)
1232	18947.615	7.616	R 31 (34-0)
	18947.487		
	18947.389	7.390	P167 (45-0)
1233	18947.209	7.209	P105 (37-0)
1234	18947.130	7.131	P118 (38-0)
1235	18946.885	6.885	R154 (42-0)
		6.883	P 29 (34-0)
1236	18946.794	6.793	P 67 (35-0)
1237	18946.654	6.657	R 32 (34-0)
		6.628	R131 (39-0)
1238	18946.426	6.426	P 89 (36-0)
	18946.245	6.243	R140 (40-0)
1239	18945.997	6.082	R138 (40-0)
		5.907	R 70 (35-0)
1240	18945.897	5.901	P 30 (34-0)
		5.878	P129 (39-0)
1241	18945.667	5.667	R 33 (34-0)
	18945.349		
1242	18944.979	5.019	R108 (37-0)
		4.975	R 92 (36-0)
1243	18944.887	4.888	P 31 (34-0)
1244	18944.646	4.646	R 34 (34-0)
1245	18944.568	4.568	P 68 (35-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
	18944.353	4.377	R160 (43-0)
		4.352	P146 (41-0)
1246	18944.118	4.110	R121 (38-0)
	18943.992	3.989	R148 (41-0)
1247	18943.843	3.843	P 32 (34-0)
1248	18943.757	3.757	R 71 (35-0)
1249	18943.590	3.593	R 35 (34-0)
		3.583	P108 (37-0)
1250	18943.418	3.419	P 90 (36-0)
	18943.168		
1251	18942.957	2.956	P119 (38-0)
1252	18942.766	2.767	P 33 (34-0)
1253	18942.589	2.590	R 36 (34-0)
1254	18942.318	2.319	P 69 (35-0)
1255	18941.943	1.950	P153 (42-0)
		1.896	R 93 (36-0)
		1.943	R132 (39-0)
1256	18941.659	1.658	P 34 (34-0)
1257	18941.485	1.484	R 72 (35-0)
1258	18941.388	1.394	R 37 (34-0)
		1.363	R168 (43-0)
1259	18941.197	1.201	P130 (39-0)
1260	18941.092	1.096	R141 (40-0)
1261	18940.878	0.887	R195 (42-0)
		0.870	P139 (40-0)
1262	18940.520	0.520	P 35 (34-0)
1263	18940.377	0.378	P 91 (36-0)
1264	18940.247	0.246	R 38 (34-0)
	18940.157		
1265	18940.019	0.019	P 70 (35-0)
1266	18939.918	9.921	R107 (37-0)
		9.899	R122 (38-0)
	18939.815		



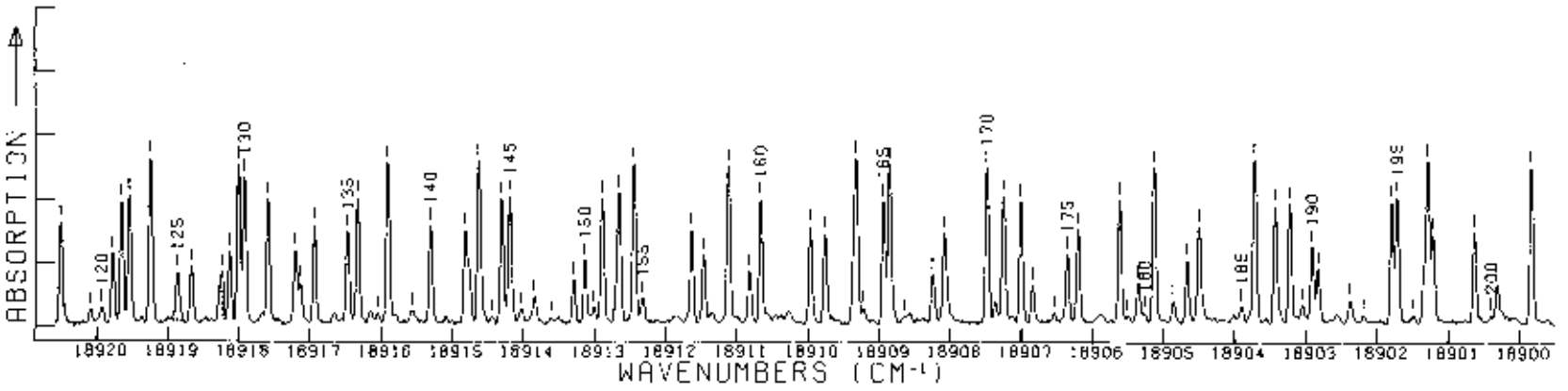
LINE	OBS CM-1	CALC	ASSIGNMENT
1262	18940.520	0.520	P 35 (34-0)
1263	18940.377	0.378	P 91 (36-0)
1264	18940.247	0.246	R 38 (34-0)
	18940.107		
1265	18940.019	0.019	P 78 (35-0)
1266	18939.915	9.921	P107 (37-0)
		9.899	R122 (38-0)
	18939.818		
1267	18939.349	9.350	P 36 (34-0)
1268	18939.178	9.178	R 73 (35-0)
1269	18939.067	9.066	R 39 (34-0)
1270	18938.883	8.883	R 94 (36-0)
1271	18938.752	8.776	P147 (41-0)
		8.748	P120 (38-0)
	18938.685		
	18938.393	8.391	R149 (41-0)
1272	18938.147	8.148	P 37 (34-0)
CALC	**********	7.972	R161 (43-0)
1273	18937.887	7.888	R 40 (34-0)
1274	18937.690	7.686	P 71 (35-0)
		7.672	R110 (37-0)
	18937.440		
1275	18937.302	7.303	P 42 (36-0)
1276	18937.217	7.219	R133 (39-0)
1277	18936.913	6.915	P 38 (34-0)
1278	18936.840	6.840	R 79 (35-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
1279	18936.615	6.616	R 41 (34-0)
1280	18936.480	6.485	P131 (39-0)
1281	18936.391		
1282	18936.225	6.224	P108 (37-0)
1283	18935.983	5.950	P154 (42-0)
		5.907	R142 (40-0)
1284	18935.784	5.785	R 95 (36-0)
1285	18935.650	5.697	P146 (41-0)
		5.652	R125 (38-0)
		5.650	P 39 (34-0)
1286	18935.341	5.343	R 42 (34-0)
		5.340	P 72 (35-0)
1287	18934.864	4.864	R156 (42-0)
	18934.729		
	18934.604		
1288	18934.471	4.501	P121 (38-0)
		4.468	R 75 (35-0)
1289	18934.354	4.354	P 98 (36-0)
1290	18934.192	4.194	P 93 (36-0)
1291	18934.037	4.038	R 43 (34-0)
1292	18933.980	3.965	R111 (37-0)
CALC	**********	3.161	P148 (41-0)
1293	18933.025	3.026	P 41 (34-0)
1294	18932.951	2.951	P 73 (35-0)
1295	18932.780	2.750	R150 (41-0)
		2.702	R 44 (34-0)

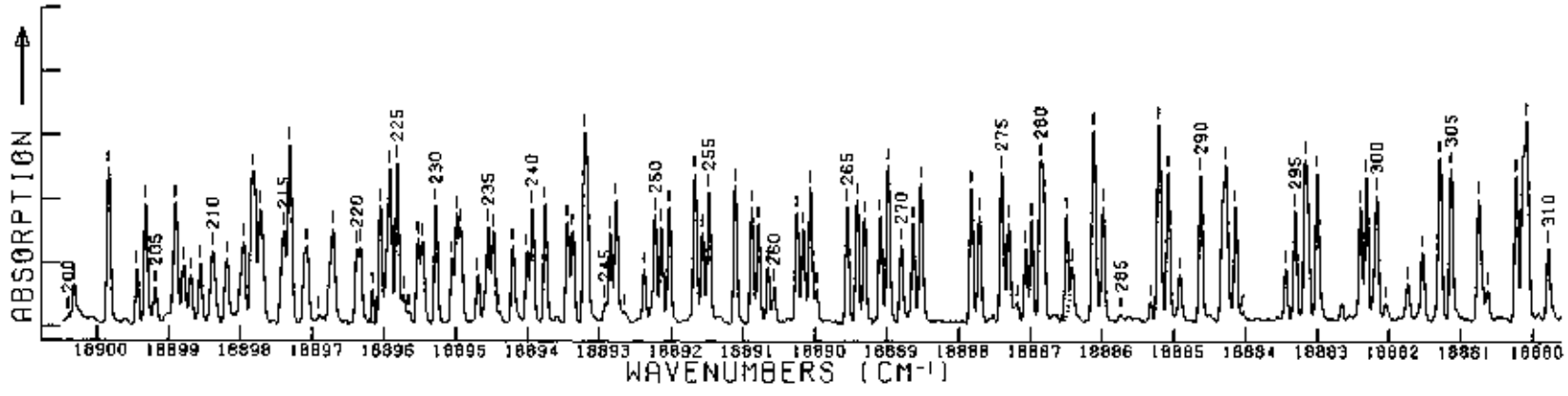
LINE	OBS CM-1	CALC	ASSIGNMENT
	18932.662	2.663	R 96 (36-0)
1296	18932.489	2.492	P109 (37-0)
		2.457	R134 (39-0)
1297	18932.065	2.064	R 76 (35-0)
1298	18931.668	1.731	P132 (38-0)
		1.667	P 43 (34-0)
		1.520	R163 (43-0)
1299	18931.356	1.356	R124 (38-0)
		1.334	R 45 (34-0)
1300	18931.050	1.051	P 94 (36-0)
1301	18930.675	0.678	R149 (40-0)
1302	18930.530	0.529	P 74 (35-0)
		0.483	P141 (40-0)
1303	18930.275	0.276	P 45 (34-0)
1304	18930.190	0.217	P122 (38-0)
		0.182	R112 (37-0)
1305	18929.935	9.934	R 46 (34-0)
		9.904	P155 (42-0)
1306	18929.627	9.627	R 77 (35-0)
1307	18929.487	9.487	R 97 (36-0)
	18929.283		
1308	18928.853	8.854	P 48 (34-0)
		8.786	R137 (42-0)
1309	18928.723	8.724	P110 (37-0)
1310	18928.583	8.583	R 47 (34-0)
	18928.302		

LINE	OBS CM-1	CALC	ASSIGNMENT
1311	16926.075	8.075	P 75 (35-0)
1312	16927.673	7.674	P 95 (36-0)
1313	16927.651	7.655	R135 (39-0)
	16927.502	7.502	P149 (41-0)
1314	16927.400	7.400	P 95 (36-0)
1315	16927.157	7.157	R 78 (35-0)
1316	16927.042	7.067	R151 (41-0)
		7.044	R125 (38-0)
		7.040	R 48 (34-0)
1317	16926.938	6.938	P133 (39-0)
1318	16926.835		
	16926.675		
1319	16926.582	6.584	R113 (37-0)
1320	16926.285	6.287	R 98 (36-0)
1321	16925.911	5.915	P 96 (36-0)
		5.896	P123 (38-0)
1322	16925.552	5.586	P 76 (35-0)
		5.546	R 49 (34-0)
1323	16925.416	5.408	R164 (43-0)
	16925.229	5.229	P143 (40-0)
	16925.186		
	16925.019	5.026	R163 (43-0)
1324	16924.920	4.920	P111 (37-0)
1325	16924.656	4.662	P 96 (36-0)
		4.654	R 79 (35-0)
1326	16924.398	4.398	P 47 (34-0)

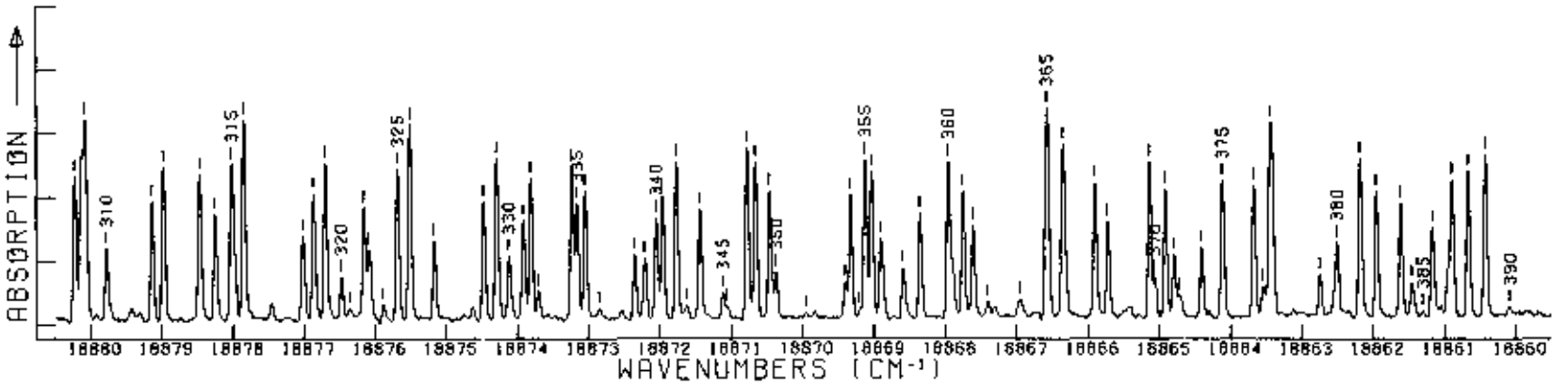
LINE	OBS CM-1	CALC	ASSIGNMENT
1327	18929.021	4.020	R 50 (34-0)
	18923.815	3.815	P156 (42-0)
	18923.310		
1328	18923.062	3.068	P 77 (35-0)
		3.052	R 99 (36-0)
		2.814	R136 (39-0)
1329	18922.848	2.850	P 48 (34-0)
		2.684	R126 (38-0)
1330	18922.683	2.684	R165 (43-0)
		2.664	R150 (42-0)
1331	18922.048	2.049	R114 (37-0)
1332	18922.463	2.462	R 51 (34-0)
1333	18922.116	2.118	R 80 (35-0)
		2.108	P124 (38-0)
	18921.820	1.800	P158 (41-0)
	18921.754		
1334	18921.536	1.537	P134 (39-0)
1335	18921.416	1.416	P 97 (36-0)
		1.340	R152 (41-0)
1336	18921.276	1.270	P 49 (34-0)
1337	18921.080	1.081	P112 (37-0)
1338	18920.873	0.873	R 52 (34-0)
1339	18920.516	0.515	P 78 (35-0)
1340	18920.043	0.046	R165 (43-0)
	18919.938	9.938	P143 (40-0)
1341	18919.785	9.785	R100 (36-0)
1342	18919.657	9.658	P 50 (34-0)
1343	18919.549	9.549	R 81 (35-0)



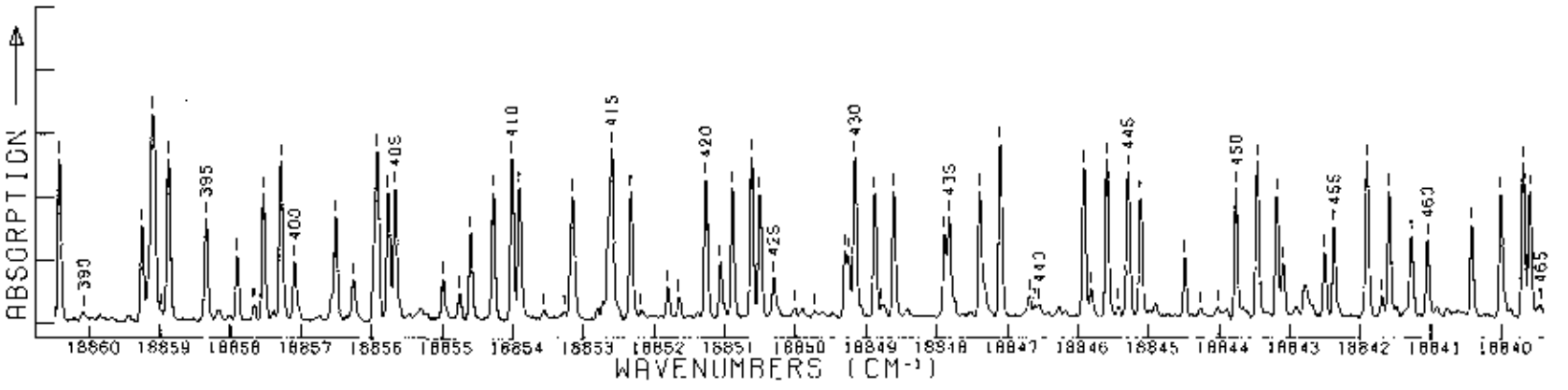
LINE	OBS CM-1	CALC	ASSIGNMENT
118	18920.513	0.515	P 78 (35-0)
119	18920.088	0.098	R145 (40-0)
120	18919.936	9.934	P143 (40-0)
121	18919.780	9.783	R100 (36-0)
122	18919.655	9.658	P 50 (34-0)
123	18919.546	9.549	R 81 (35-0)
	18919.363		
124	18919.249	9.252	R 53 (34-0)
125	18918.874	*****	ARTIFACT
126	18918.674	8.679	R115 (37-0)
	18918.280	8.286	R127 (38-0)
127	18918.245	*****	ARTIFACT
128	18918.130	8.136	P 98 (36-0)
129	18918.012	8.015	P 51 (34-0)
130	18917.927	7.934	R137 (39-0)
		7.920	P 74 (35-0)
	18917.688	7.680	P157 (42-0)
131	18917.598	7.590	R 54 (34-0)
132	18917.209	7.235	P135 (39-0)
		7.206	P113 (37-0)
133	18917.141	7.142	P125 (38-0)
134	18916.944	6.946	R 62 (35-0)
	18916.671		
135	18916.477	6.495	R159 (42-0)
		6.479	R101 (36-0)
136	18916.337	6.340	P 52 (34-0)
	18916.152		
137	18916.055	6.056	P151 (41-0)
138	18915.913	5.915	R 55 (34-0)
	18915.810		
139	18915.561	5.571	R153 (41-0)
140	18915.389	5.311	P 80 (35-0)
	18915.103		
141	18914.818	4.822	P 99 (36-0)
		4.772	R116 (37-0)
		4.744	R146 (40-0)
142	18914.631	4.633	P 53 (34-0)
		4.599	P144 (40-0)
143	18914.442		
144	18914.309	4.311	R 83 (35-0)
145	18914.198	4.198	R 56 (34-0)
146	18914.031		
147	18913.851	3.851	R128 (38-0)
148	18913.611		
149	18913.894	3.296	P114 (37-0)
150	18913.130	3.141	R102 (36-0)
151	18913.012	3.015	R138 (39-0)
152	18912.893	2.895	P 54 (34-0)
153	18912.858	2.709	P126 (38-0)
		2.659	P 81 (35-0)
154	18912.446	2.450	R 57 (34-0)
155	18912.327	2.326	P136 (39-0)
156	18911.642	1.643	R 84 (35-0)
157	18911.471	1.501	P158 (42-0)
		1.479	P102 (36-0)
	18911.389		
15A	18911.122	1.125	R 85 (35-0)
159	18910.827	0.830	R117 (37-0)
160	18910.684	0.670	R 58 (34-0)
	18910.571		
	18910.469		
	18910.385		
	18910.275	0.282	R160 (42-0)
		9.268	P152 (41-0)
161	18909.973	9.974	P 82 (35-0)
162	18909.764	9.768	R103 (36-0)
		9.758	R154 (41-0)
163	18909.324	9.378	R129 (38-0)
		9.350	R147 (40-0)
		9.349	P115 (37-0)
		9.323	P 56 (34-0)
164	18909.221	9.223	P145 (40-0)
165	18908.942	8.941	R 85 (35-0)
166	18908.858	8.858	P 59 (34-0)
167	18904.648		
	18908.577		
	18908.392		
16A	18908.250	*****	ARTIFACT
	18908.240	8.239	P127 (38-0)
169	18908.086	8.091	P103 (36-0)
		8.056	R139 (39-0)
170	18907.489	7.489	P 57 (34-0)
	18907.379	7.377	P137 (39-0)
171	18907.257	7.257	P 85 (35-0)
	18907.157		
172	18907.013	7.015	R 60 (34-0)
173	18906.847	6.851	R118 (37-0)
174	18906.559		
175	18906.360	6.361	R104 (36-0)
176	18906.207	6.206	R 86 (35-0)
177	18905.623	5.624	P 58 (34-0)
17A	18905.509		
179	18905.365	5.367	P116 (37-0)
180	18905.271	5.277	P159 (42-0)
181	18905.138	5.139	R 61 (34-0)
182	18904.868	4.867	R130 (38-0)
183	18904.673	4.674	P102 (36-0)
184	18904.506	4.506	P 84 (35-0)
		4.436	P153 (41-0)
	18904.021	4.023	R161 (42-0)
185	18903.910	3.915	R14A (40-0)
		3.901	R155 (41-0)
	18903.805	3.806	P146 (40-0)
186	18903.727	3.732	P128 (38-0)
		3.727	P 59 (34-0)
187	18903.439	3.439	R 87 (35-0)
188	18903.232	3.234	R 62 (34-0)
189	18903.055	3.057	R140 (39-0)
190	18902.917	2.919	R105 (36-0)
191	18902.835	2.836	R119 (37-0)
	18902.360		
192	18902.381	2.389	P13A (39-0)
193	18902.198		
194	18901.799	1.798	P 60 (34-0)
195	18901.724	1.722	P 85 (35-0)
196	18901.499		
197	18901.292	1.349	P117 (37-0)
		1.293	R 63 (34-0)
198	18901.221	1.222	P103 (36-0)
199	18900.634	0.637	R 88 (35-0)
200	18900.408		
201	18900.319	0.319	R131 (38-0)
202	18899.836	9.838	P 61 (34-0)



LINE	OBS CM-1	CALC	ASSIGNMENT
200	18900.400		
201	18900.319	9.319	R131 (38-0)
202	18899.836	9.838	P 61 (34-0)
203	18899.440	9.442	R106 (36-0)
204	18899.321	9.328	R 64 (34-0)
205	18899.188	9.186	P129 (38-0)
	18899.025	9.088	P140 (40-0)
206	18898.907	8.451	R 1 (33-0)
		8.936	R 8 (33-0)
		8.933	R 2 (33-0)
		8.906	P 84 (38-0)
		8.885	R 3 (33-0)
207	18898.792	8.619	P 1 (33-0)
		8.807	R 4 (33-0)
		8.788	R120 (37-0)
208	18898.696	8.714	P 2 (33-0)
		8.697	R 5 (33-0)
209	18898.561	8.578	P 3 (33-0)
		8.565	P150 (41-0)
		8.557	R 6 (33-0)
210	18898.367	8.438	R144 (40-0)
		8.411	P 4 (33-0)
		8.387	R 7 (33-0)
		8.348	P147 (40-0)
211	18898.191	8.214	P 5 (33-0)
		8.186	R 8 (33-0)
212	18897.969	8.019	R141 (39-0)
		8.001	R156 (41-0)
		7.986	P 6 (33-0)
		7.954	R 9 (33-0)
213	18897.826	7.845	P 62 (34-0)
		7.893	R 89 (38-0)
214	18897.727	7.736	P104 (36-0)
		7.728	P 7 (33-0)
		7.718	R162 (42-0)
		7.691	R 10 (33-0)
215	18897.598	7.638	P 8 (33-0)
		7.548	R 11 (33-0)
		7.541	P139 (39-0)
216	18897.316	7.319	R 69 (34-0)
		7.295	P118 (37-0)
217	18897.076	7.119	P 9 (33-0)
		7.074	R 12 (33-0)
218	18896.907		
219	18896.718	6.788	P 10 (33-0)
		6.719	R 13 (33-0)
220	18896.380	6.387	P 11 (33-0)
221	18896.336	6.334	R 14 (33-0)
222	18896.167	*****	ARTIFACT
223	18896.057	6.056	P 87 (35-0)
224	18896.923	5.975	P 12 (33-0)
		5.931	R107 (36-0)
		5.937	R 15 (33-0)
225	18895.821	5.821	P 63 (34-0)
226	18895.732	5.732	R130 (38-0)
227	18895.457		
228	18895.829	5.532	P 13 (33-0)
229	18895.469	5.471	R 16 (33-0)
230	18895.283	5.284	R 66 (34-0)
231	18895.057	5.059	P 14 (33-0)
232	18894.991	4.993	R 17 (33-0)
233	18894.939	4.935	R 90 (35-0)
234	18894.698	4.698	R121 (37-0)
235	18894.653	4.654	P150 (39-0)
		4.555	P 15 (33-0)
236	18894.483	4.485	R 18 (33-0)
237	18894.405		
238	18894.214	4.218	P105 (36-0)
239	18894.017	4.021	P 16 (33-0)
240	18893.965	3.946	R 19 (33-0)
241	18893.765	3.765	P 64 (34-0)
242	18893.458	3.486	P 17 (33-0)
243	18893.397	3.377	R 20 (33-0)
244	18893.210	3.217	R 67 (34-0)
		3.204	P119 (37-0)
		3.172	P 88 (35-0)
245	18892.927	2.941	R142 (39-0)
		2.920	R150 (40-0)
246	18892.884	2.868	P 18 (33-0)
		2.846	P144 (40-0)
247	18892.774	2.776	R 21 (33-0)
248	18892.655	2.643	P161 (42-0)
		2.649	P158 (41-0)
249	18892.385	2.384	R148 (39-0)
		2.298	P140 (39-0)
250	18892.232	2.233	P 19 (33-0)
251	18892.145	2.145	R 22 (33-0)
252	18892.036	2.057	R157 (41-0)
		2.034	R 91 (35-0)
253	18891.677	1.677	P 65 (34-0)
254	18891.573	1.578	P 20 (33-0)
255	18891.482	1.483	R 23 (33-0)
	18891.365	1.367	R165 (42-0)
256	18891.126	1.117	R 68 (34-0)
		1.105	R133 (38-0)
257	18890.884	0.868	P 21 (33-0)
258	18890.769	0.791	R 24 (33-0)
259	18890.661	0.659	P106 (36-0)
260	18890.573	0.574	R122 (37-0)
261	18890.257	0.256	P 89 (35-0)
262	18890.167	0.169	P 22 (33-0)
263	18890.066	0.068	R 25 (33-0)
264	18889.981	0.983	P131 (38-0)
265	18889.860	0.587	P 66 (34-0)
266	18889.417	0.419	P 23 (33-0)
267	18889.313	0.314	R 26 (33-0)
268	18889.095	0.099	R 92 (35-0)
		0.078	P120 (37-0)
269	18888.987	0.986	R 69 (34-0)
270	18888.803	0.803	R109 (36-0)
271	18888.637	0.638	P 24 (33-0)
272	18888.527	0.529	R 27 (33-0)
273	18887.987	7.828	P 28 (33-0)
		7.823	R143 (39-0)
274	18887.713	7.713	R 28 (33-0)
275	18887.905	7.698	P 67 (34-0)
		7.369	R151 (40-0)
276	18887.507	7.368	P149 (40-0)
		7.307	P 90 (35-0)
277	18887.184	7.189	P151 (39-0)
278	18887.059	7.069	P107 (36-0)
279	18886.988	6.987	P 25 (33-0)
280	18886.886	6.867	R 29 (33-0)
		6.823	R 70 (34-0)
	18886.689	6.689	P136 (41-0)
281	18888.499	*****	ARTIFACT
282	18886.433	6.448	R134 (38-0)
		6.434	R123 (37-0)
	18886.334	6.333	P162 (42-0)
283	18886.121	6.121	R 93 (35-0)
		6.114	P 27 (33-0)
		6.070	R158 (41-0)
284	18885.990	5.990	R 30 (33-0)
285	18885.741		
286	18885.324	5.325	P132 (38-0)
287	18885.212	5.221	P 68 (34-0)
		5.211	P 26 (33-0)
		5.187	R110 (36-0)
288	18885.082	5.082	R 31 (33-0)
289	18884.917	4.970	R164 (42-0)
		4.916	P121 (37-0)
290	18884.628	4.628	R 71 (34-0)
291	18884.279	4.324	P 91 (35-0)
		4.277	P 29 (33-0)
292	18884.143	4.143	R 32 (33-0)
293	18884.081		
294	18883.895	3.905	P108 (36-0)
295	18883.312	3.312	P 30 (33-0)
296	18883.168	3.175	R 33 (33-0)
		3.138	R 94 (35-0)
297	18883.085	3.005	P 69 (34-0)
	18882.848	2.666	R145 (39-0)
298	18882.482	2.480	R 72 (34-0)
299	18882.317	2.317	P 31 (33-0)
300	18882.175	2.218	R124 (37-0)
		2.173	R 34 (33-0)
301	18882.049	2.043	P142 (38-0)
302	18881.741	1.757	R152 (40-0)
		1.748	R139 (38-0)
		1.726	P160 (40-0)
303	18881.537	1.536	R111 (36-0)
304	18881.297	1.288	P 92 (35-0)
		1.290	P 32 (33-0)
305	18881.141	1.143	R 35 (33-0)
306	18880.757	0.758	P 70 (34-0)
		0.717	P128 (37-0)
		0.667	C127 (41-0)
307	18880.628	0.629	P135 (38-0)
308	18880.235	0.231	P 33 (33-0)
309	18880.098	0.141	R 73 (34-0)
		0.096	R 96 (36-0)
		0.080	R 36 (33-0)
		0.036	R159 (41-0)
	18879.932	9.926	P163 (42-0)
310	18879.784	9.785	P109 (36-0)



LINE	OBS CM-1	CALC	ASSIGNMENT
308	18880.033	0.233	P 33 (33-0)
309	18880.088	0.141	R 73 (34-0)
		0.095	R 95 (35-0)
		9.880	P 34 (35-0)
		0.036	R159 (41-0)
	18879.932	9.985	P163 (42-0)
310	18879.786	9.785	P109 (36-0)
	18879.432		
	18879.318		
311	18879.145	9.145	P 34 (33-0)
312	18878.986	8.987	R 37 (33-0)
313	18878.878	8.526	R165 (42-0)
		8.478	P 71 (34-0)
314	18878.259	8.258	P 93 (35-0)
315	18878.026	8.027	P 35 (33-0)
		7.985	R125 (37-0)
316	18877.857	7.863	R 38 (33-0)
		7.850	R112 (36-0)
		7.849	R 74 (34-0)
	18877.467	7.466	R145 (39-0)
317	18877.025	7.026	R 96 (35-0)
		7.006	R130 (38-0)
318	18876.875	6.877	P 36 (33-0)
		6.858	P143 (39-0)
319	18876.709	6.708	R 39 (33-0)
320	18876.484	6.482	P125 (37-0)
321	18876.385		
322	18876.187	6.166	P 72 (34-0)
		6.113	R153 (40-0)
		6.102	P151 (40-0)
323	18876.098	6.091	P110 (36-0)
324	18875.893	5.896	P134 (38-0)
325	18875.696	5.697	P 37 (33-0)
326	18875.524	5.525	R 75 (34-0)
		5.522	R 40 (33-0)
327	18875.177	5.175	P 94 (35-0)
	18874.636	4.640	P158 (41-0)
328	18874.485	4.486	P 38 (33-0)
329	18874.306	4.306	R 41 (33-0)
330	18874.130	4.129	R113 (36-0)
331	18873.927	3.963	R168 (42-0)
		3.924	R 97 (35-0)
332	18873.823	3.822	P 73 (34-0)
333	18873.716	3.715	R126 (37-0)
	18873.479	3.477	P144 (39-0)
334	18873.295	3.294	P 39 (33-0)
335	18873.170	3.169	R 76 (34-0)
336	18873.058	3.058	R 42 (33-0)
337	18872.857		
	18872.842		
338	18872.363	2.362	P131 (36-0)
339	18872.221	2.230	R154 (39-0)
		2.189	R117 (36-0)
		2.213	P128 (37-0)
340	18872.062	2.059	P 95 (35-0)
		2.037	R166 (42-0)
341	18871.971	1.971	P 40 (33-0)
342	18871.769	1.780	R 43 (33-0)
343	18871.632	1.635	P146 (39-0)
344	18871.467	1.446	P 74 (34-0)
345	18871.124	1.124	P135 (38-0)
346	18871.060		
347	18870.785	0.789	R 98 (35-0)
		0.781	R 77 (34-0)
348	18870.667	0.667	P 41 (33-0)
349	18870.470	0.470	R 84 (33-0)
		0.437	P102 (40-0)
		0.427	R154 (40-0)
350	18870.374	0.373	R114 (36-0)
351	18869.968		
	18869.861		
352	18869.911	9.909	R122 (37-0)
353	18869.333	9.332	P 42 (33-0)
354	18869.210		
355	18869.131	9.130	R 85 (33-0)
356	18868.939	9.938	P 75 (34-0)
357	18868.908	8.909	P 96 (35-0)
358	18868.598	8.596	P112 (36-0)
		8.550	P150 (41-0)
359	18866.361	8.360	R 78 (34-0)
360	18867.967	7.966	P 43 (33-0)
	18867.918	7.903	P125 (37-0)
		7.843	R151 (41-0)
361	18867.759	7.759	R 44 (33-0)
362	18867.620	7.618	R 99 (35-0)
363	18867.488	7.513	R136 (38-0)
	18867.319		
364	18866.956	6.958	P165 (42-0)
		6.952	R147 (39-0)
365	18866.563	6.597	P 76 (34-0)
		6.562	R115 (36-0)
		6.570	P 44 (33-0)
366	18866.357	6.369	P105 (39-0)
		6.356	R 47 (33-0)
		6.314	P136 (38-0)
367	18865.908	5.907	R 79 (34-0)
368	18865.729	5.726	P 97 (35-0)
	18865.624	5.508	R107 (42-0)
369	18865.193	5.192	P 45 (33-0)
370	18865.070	5.065	R129 (37-0)
371	18864.983	4.983	R 48 (33-0)
372	18864.809	4.890	P113 (36-0)
373	18864.727	4.730	P153 (40-0)
		4.690	R139 (40-0)
374	18864.417	4.416	R108 (35-0)
375	18864.126	4.126	P 77 (34-0)
376	18863.685	3.684	P 46 (33-0)
377	18863.559	3.559	P126 (37-0)
378	18863.449	3.488	R 49 (33-0)
		3.422	R 80 (34-0)
379	18860.756	2.755	R116 (36-0)
380	18862.513	2.559	R139 (38-0)
		2.510	P 98 (35-0)
	18862.418	2.417	P150 (41-0)
381	18862.195	2.195	P 47 (33-0)
382	18861.969	1.965	R 50 (33-0)
383	18861.682	1.679	R162 (41-0)
		1.634	R148 (39-0)
		1.620	P 78 (34-0)
384	18861.468	1.466	P137 (38-0)
385	18861.313		
386	18861.181	1.179	R101 (35-0)
	18861.065	1.064	P148 (39-0)
387	18860.985	0.986	P115 (36-0)
		0.904	R 81 (34-0)
388	18860.676	0.686	R129 (37-0)
		0.674	P 48 (33-0)
389	18860.438	0.437	R 51 (33-0)
		0.436	P166 (42-0)
390	18860.092		



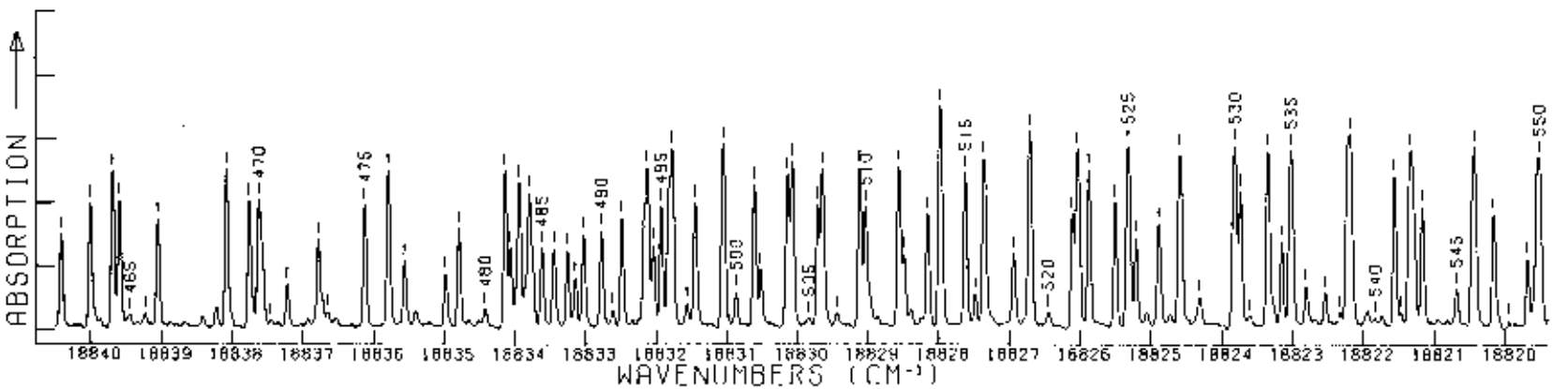
LINE	OBS CM-1	CALC	ASSIGNMENT
389	18860.436	0.437	R 81 (33-0)
		0.436	P166 (42-0)
390	18860.092		
391	18859.260	9.259	P 99 (35-0)
392	18859.107	9.179	P127 (37-0)
		0.125	P 49 (33-0)
		9.083	P 79 (34-0)
393	18858.981	8.982	P154 (40-0)
394	18858.884	8.928	R156 (40-0)
		8.917	R168 (42-0)
		8.894	R117 (36-0)
		8.879	R 52 (33-0)
395	18858.355	8.354	R 82 (34-0)
	18858.175		
	18858.022		
396	18857.910	7.909	R102 (35-0)
397	18857.672	7.667	R140 (38-0)
398	18857.541	7.541	P 50 (33-0)
	18857.397		
399	18857.292	7.290	R 53 (33-0)
400	18857.099	7.097	R115 (36-0)
	18856.577	6.580	P138 (39-0)
401	18856.515	6.514	P 80 (34-0)
402	18856.271	6.275	R149 (39-0)
		6.269	R130 (37-0)
		6.230	P161 (41-0)
403	18855.930	5.975	P100 (35-0)
		5.927	P 51 (33-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
404	18855.773	5.778	R 83 (34-0)
		5.720	P147 (40-0)
405	18855.674	5.671	R 54 (33-0)
	18855.473	5.470	R163 (41-0)
	18855.309		
	18855.222		
406	18854.998	4.997	R114 (36-0)
407	18854.765	4.762	P188 (37-0)
408	18854.606	4.604	R103 (35-0)
409	18854.260	4.283	P 52 (33-0)
410	18854.032	4.030	R 55 (33-0)
411	18853.913	3.912	P 81 (34-0)
		3.847	P167 (42-0)
412	18853.568		
413	18853.278		
414	18853.263	3.193	P116 (36-0)
		3.191	P195 (40-0)
		3.157	R 84 (34-0)
		3.115	R157 (40-0)
	18852.806		
	18852.734	2.735	R141 (38-0)
415	18852.618	2.630	P101 (35-0)
		2.607	P 53 (33-0)
416	18852.338	2.334	R 56 (33-0)
		2.287	R169 (42-0)
417	18852.188		
418	18851.815	1.815	R131 (37-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
419	18851.657	1.658	P139 (39-0)
	18851.392		
420	18851.276	1.278	P 82 (34-0)
		1.266	R104 (35-0)
421	18851.067	1.065	R119 (36-0)
422	18850.908	0.901	P 54 (33-0)
		0.876	R150 (39-0)
423	18850.626	0.624	R 57 (33-0)
424	18850.510	0.510	R 85 (34-0)
425	18850.315	0.335	P196 (39-0)
		0.308	P129 (37-0)
		0.017	P162 (41-0)
426	18850.021		
	18849.919		
427	18849.730		
428	18849.386	9.387	P102 (35-0)
429	18849.258	9.254	P117 (36-0)
		9.216	R189 (41-0)
430	18849.164	9.165	P 55 (33-0)
431	18848.863	8.880	R 58 (33-0)
432	18848.798		
433	18848.614	8.612	P 83 (34-0)
	18848.427		
434	18847.894	7.894	R105 (35-0)
435	18847.852	7.830	R 86 (34-0)
	18847.767	7.765	R142 (38-0)
436	18847.594	7.596	P 56 (33-0)
		7.358	P178 (40-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
	18847.337	7.324	R132 (37-0)
	18847.261	7.259	R158 (40-0)
		7.211	P168 (42-0)
437	18847.185	7.185	R 59 (33-0)
		7.097	R120 (36-0)
		2.757	R143 (38-0)
438	18848.699	6.693	P140 (39-0)
439	18848.622		
440	18846.552		
	18846.377		
	18846.189		
441	18845.920	5.922	P103 (35-0)
		5.916	P 84 (34-0)
442	18845.822	5.817	P130 (37-0)
443	18845.596	5.610	R176 (42-0)
		5.595	P 57 (33-0)
444	18845.435	5.436	R181 (39-0)
445	18845.297	5.298	R 60 (33-0)
		5.280	P118 (36-0)
446	18845.118	5.117	R 87 (34-0)
	18844.989	4.990	P144 (38-0)
447	18844.490	4.486	R106 (35-0)
448	18844.268		
449	18844.026		
450	18843.765	3.764	P 88 (33-0)
		3.752	P183 (41-0)
451	18843.462	3.460	R 61 (33-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
452	18843.185	3.183	P 85 (34-0)
453	18843.097	3.094	R121 (36-0)
	18842.915	2.918	R165 (41-0)
	18842.776	2.796	R133 (37-0)
		2.757	R145 (38-0)
454	18842.504	2.503	P104 (35-0)
455	18842.372	2.373	R 88 (34-0)
456	18841.904	1.902	P 59 (33-0)
457	18841.692	1.692	P141 (38-0)
458	18841.592	1.590	R 62 (33-0)
	18841.486	1.483	P157 (40-0)
	18841.361	1.361	R159 (40-0)
459	18841.279	1.280	P131 (37-0)
		1.271	P119 (36-0)
460	18841.049	1.048	R107 (35-0)
	18840.917		
	18840.773		
	18840.695		
	18840.615		
	18840.534	0.529	P160 (42-0)
461	18840.421	0.419	P 86 (34-0)
462	18840.310	0.309	P 90 (33-0)
		9.956	R152 (39-0)
	18839.877		
463	18839.692	9.690	R 63 (33-0)
464	18839.596	9.595	R 89 (34-0)
465	18839.447	9.445	P150 (39-0)



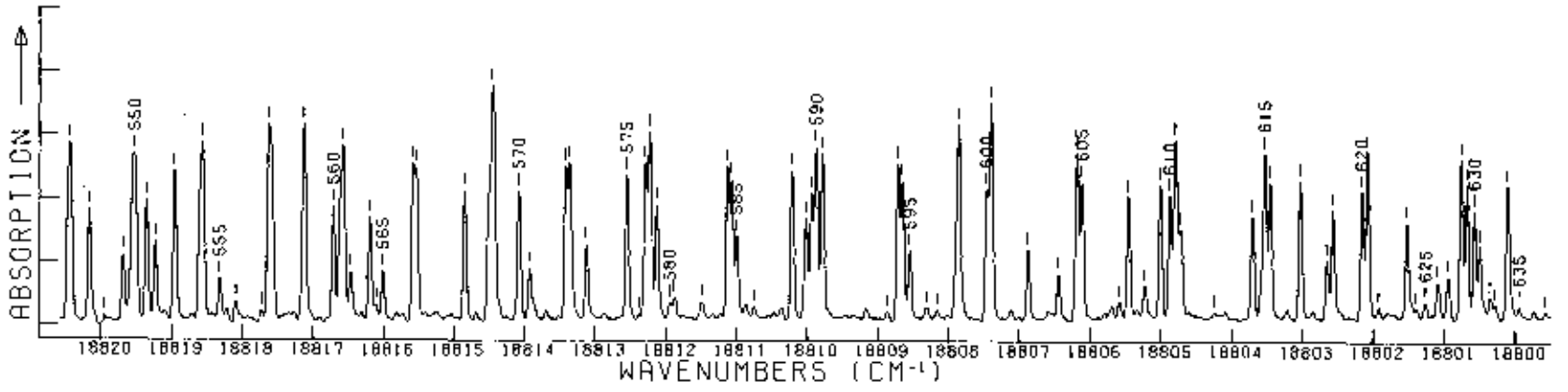
LINE	OBS CM-1	CALC	ASSIGNMENT
481	18840.421	0.419	P 86 (34-0)
482	18840.010	0.009	P 60 (33-0)
		9.955	R152 (39-0)
	18839.877		
483	18839.692	9.690	R 63 (33-0)
484	18839.396	9.595	R 89 (34-0)
485	18839.467	9.445	P150 (39-0)
486	18839.232		
487	18839.054	9.055	R128 (36-0)
		9.051	P105 (35-0)
	18838.881	8.868	R171 (42-0)
	18838.842		
	18838.232	8.231	R134 (37-0)
488	18838.085	8.084	P 61 (33-0)
489	18837.788	7.758	R 64 (33-0)
		7.709	R144 (38-0)
490	18837.624	7.624	P 87 (34-0)
		7.573	R108 (35-0)
491	18837.455	7.461	P164 (41-0)
492	18837.229	7.226	P120 (36-0)
	18836.958		
493	18836.789	6.785	R 90 (34-0)
	18836.732	6.726	P132 (37-0)
494	18836.646	6.652	P142 (38-0)
CALC	**********	6.578	R168 (41-0)
	18836.531		
495	18836.130	6.128	P 62 (33-0)
496	18835.796	5.795	R 65 (33-0)
497	18835.565	5.566	P158 (40-0)
		5.564	P106 (35-0)
	18835.410	5.419	R160 (41-0)
498	18834.985	4.981	R125 (36-0)
499	18834.797	4.795	P 88 (34-0)
500	18834.424	4.438	R153 (39-0)
501	18834.149	4.142	P 83 (33-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
502	18834.005	4.005	R109 (35-0)
		4.001	R 1 (32-0)
503	18833.993	3.987	R 9 (32-0)
		3.986	R 2 (32-0)
		3.942	R 91 (34-0)
		3.940	R 3 (32-0)
		3.940	P151 (39-0)
504	18833.802	3.866	P 1 (32-0)
		3.864	R 4 (32-0)
		3.800	P 66 (33-0)
		3.800	P170 (42-0)
		3.763	P 2 (32-0)
		3.759	R 5 (32-0)
505	18833.623	3.624	R135 (37-0)
		3.624	P 3 (32-0)
		3.623	R 6 (32-0)
506	18833.452	3.464	P 8 (32-0)
		3.457	R 7 (32-0)
507	18833.259	3.260	P 5 (33-0)
		3.260	R 8 (32-0)
508	18833.147	3.146	P121 (34-0)
509	18833.031	3.044	P 6 (32-0)
		3.034	P 9 (32-0)
510	18832.778	2.788	P 7 (32-0)
		2.778	R 10 (32-0)
511	18832.680	2.622	R145 (38-0)
512	18832.491	2.503	P 4 (32-0)
		2.492	R 11 (32-0)
513	18832.329	2.288	P 9 (32-0)
		2.275	R 12 (32-0)
		2.225	P135 (37-0)
		2.124	P 84 (33-0)
		2.114	R172 (42-0)
514	18832.047	2.044	P107 (35-0)
515	18831.937	1.935	P 89 (34-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
496	18831.780	1.845	P 10 (32-0)
		1.828	R 13 (32-0)
		1.775	R 67 (33-0)
497	18831.569	1.574	P143 (38-0)
498	18831.454	1.467	P 11 (32-0)
		1.452	R 14 (32-0)
499	18831.035	1.087	P165 (41-0)
		1.066	R 92 (34-0)
		1.062	P 12 (32-0)
		1.045	R 15 (32-0)
500	18830.874	0.871	R129 (36-0)
501	18830.813	0.826	P 13 (32-0)
		0.808	R 16 (32-0)
502	18830.525	0.525	R110 (35-0)
503	18830.364	0.186	R167 (41-0)
		0.160	P 14 (32-0)
		0.141	R 17 (32-0)
504	18830.077	0.074	P 65 (33-0)
505	18829.842		
506	18829.720	9.717	R 68 (33-0)
507	18829.651	9.665	P 15 (32-0)
		9.644	R 18 (32-0)
		9.607	P174 (40-0)
508	18829.445	9.435	R161 (40-0)
509	18829.120	9.130	P 16 (32-0)
		9.116	R 19 (32-0)
510	18829.039	9.041	P 90 (34-0)
		9.031	P122 (36-0)
		8.989	R136 (37-0)
	18828.872	8.871	R146 (38-0)
511	18828.567	8.565	P 17 (32-0)
		8.559	R 20 (32-0)
512	18828.497	8.496	P108 (35-0)
	18828.396	8.396	P152 (39-0)
513	18828.160	8.158	R 93 (34-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
514	18827.983	7.996	P 18 (32-0)
		7.994	P 66 (33-0)
		7.971	R 21 (32-0)
515	18827.630	7.629	R 69 (33-0)
516	18827.484	7.496	R146 (38-0)
		7.487	P124 (37-0)
517	18827.362	7.380	P 19 (32-0)
		7.364	R 22 (32-0)
518	18826.947	7.029	P171 (42-0)
		6.946	R111 (35-0)
519	18826.714	6.730	P 20 (32-0)
		6.725	R125 (36-0)
		6.706	R 23 (32-0)
520	18826.459	6.457	P144 (38-0)
521	18826.116	6.115	P 91 (34-0)
522	18826.059	6.057	P 21 (32-0)
		6.028	R 24 (32-0)
523	18825.883	5.882	P 67 (33-0)
524	18825.512	5.509	P 70 (33-0)
525	18825.325	5.351	P 22 (32-0)
		5.319	R 25 (32-0)
526	18825.217	5.217	R 94 (34-0)
	18825.066		
527	18824.895	4.902	P109 (35-0)
		4.880	P125 (36-0)
	18824.751		
CALC	**********	4.687	P166 (41-0)
528	18824.594	4.614	P 23 (32-0)
		4.581	R 26 (32-0)
529	18824.312	4.312	R137 (37-0)
530	18823.819	3.847	P 24 (32-0)
		3.812	R 27 (32-0)
531	18823.740	3.753	R164 (41-0)
		3.738	P 68 (33-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
532	18823.605	3.604	P160 (40-0)
533	18823.355	3.407	R162 (40-0)
		3.357	R 71 (33-0)
		3.336	R112 (35-0)
	18823.277	3.267	R155 (39-0)
534	18823.198	3.187	P 92 (34-0)
535	18823.029	3.050	P 25 (32-0)
		3.014	R 28 (32-0)
536	18822.811	2.812	P136 (37-0)
		2.807	P153 (39-0)
537	18822.642	2.544	R126 (36-0)
538	18822.350	2.331	R147 (38-0)
539	18822.193	2.245	R 95 (34-0)
		2.225	P 26 (32-0)
		2.195	R 29 (32-0)
	18821.950		
540	18821.839		
	18821.750		
541	18821.566	1.564	P 69 (33-0)
542	18821.475		
543	18821.358	1.365	P 27 (32-0)
		1.325	R 30 (32-0)
		1.301	P145 (38-0)
		1.280	P110 (35-0)
544	18821.177	1.174	R 72 (33-0)
545	18820.694	0.694	P126 (36-0)
546	18820.440	0.438	P 28 (32-0)
		0.438	R 31 (32-0)
547	18820.168	0.201	P172 (42-0)
		0.165	P 93 (34-0)
548	18819.954		
549	18819.602	9.600	R113 (35-0)
550	18819.527	9.598	R138 (37-0)
		9.560	P 29 (32-0)
		9.516	R 32 (32-0)



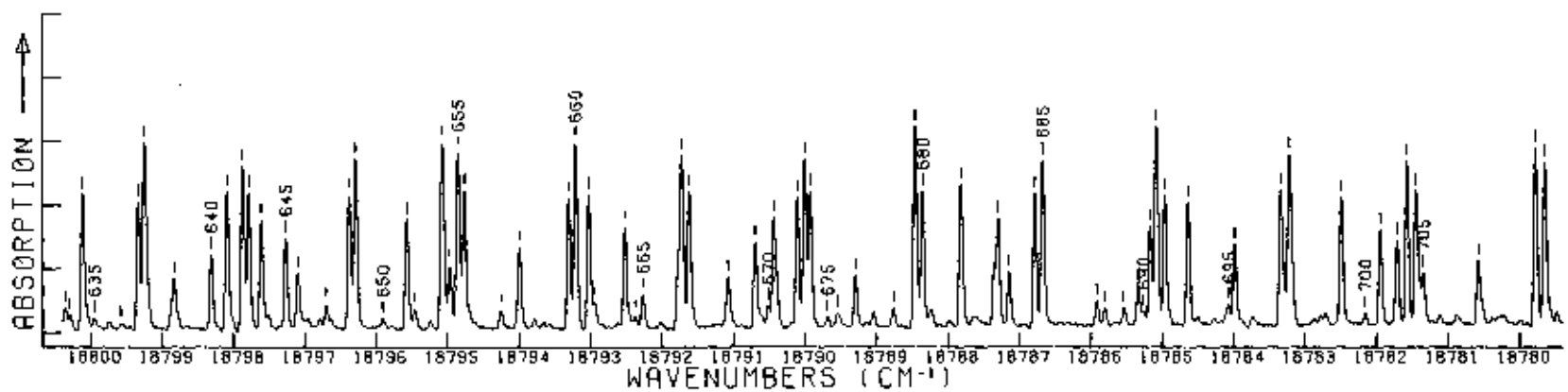
LINE	OBS CM-1	CALC	ASSIGNMENT
546	18820.440	0.478	P 29 (32-0)
		0.436	R 31 (32-0)
547	18820.168	0.201	P172 (42-0)
		0.165	P 93 (39-0)
548	18819.954		
549	18819.698	9.690	R113 (35-0)
550	18819.527	9.598	R138 (37-0)
		9.560	P 29 (32-0)
		9.516	R 32 (32-0)
551	18819.358	9.358	P 70 (33-0)
552	18819.235	9.236	R 96 (34-0)
	18819.105		
553	18818.961	8.960	R 73 (35-0)
554	18818.570	8.612	P 30 (32-0)
		8.566	R 33 (32-0)
	18818.429	8.427	R174 (42-0)
555	18818.327	8.326	R127 (36-0)
	18818.278	8.243	P167 (41-0)
556	18818.093	8.100	P136 (37-0)
557	18817.729		
558	18817.624	7.634	P 51 (32-0)
		7.623	P111 (35-0)
		7.622	R156 (39-0)
		7.588	R 34 (32-0)
		7.560	P161 (40-0)
	18817.339	7.337	R163 (40-0)
	18817.273	7.273	R169 (41-0)
559	18817.128	7.180	P154 (38-0)
		7.141	P 94 (34-0)
		7.127	R148 (38-0)
		7.120	P 71 (33-0)
560	18816.715	6.714	R 79 (33-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
561	18816.576	6.625	P 32 (32-0)
		6.576	R 35 (32-0)
562	18816.472	6.472	P125 (36-0)
	18816.313		
563	18816.197	6.196	R 97 (34-0)
564	18816.108	6.106	P146 (38-0)
565	18816.012	6.010	R119 (35-0)
	18815.818		
	18815.732		
566	18815.581	5.587	P 33 (32-0)
567	18815.540	5.535	R 36 (32-0)
568	18814.852	4.852	P 72 (33-0)
		4.846	R130 (37-0)
	18814.690		
569	18814.451	4.518	P 34 (32-0)
		4.464	R 37 (32-0)
		4.436	P 75 (33-0)
570	18814.083	4.085	P 95 (34-0)
		4.073	R128 (36-0)
571	18813.934	3.933	P112 (35-0)
	18813.877		
	18813.709		
572	18813.416	3.419	P 35 (32-0)
573	18813.369	3.363	R 38 (32-0)
		3.350	R147 (37-0)
		3.337	P178 (42-0)
574	18813.125	3.129	R 98 (34-0)
	18812.877		
575	18812.552	2.551	P 73 (33-0)
576	18812.383		
577	18812.290	2.297	R115 (35-0)
		2.290	P 36 (32-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
578	18812.230	2.232	R 39 (32-0)
		2.214	P126 (36-0)
579	18812.189	2.127	R 76 (33-0)
580	18811.945	1.936	R157 (39-0)
581	18811.879	1.885	R149 (38-0)
	18811.754	1.756	P168 (41-0)
582	18811.493	1.512	P155 (39-0)
		1.472	P162 (40-0)
	18811.343		
	18811.228	1.282	R159 (40-0)
583	18811.127	1.130	P 37 (32-0)
584	18811.071	1.070	R 40 (32-0)
585	18810.998	0.995	P 96 (34-0)
	18810.872	0.872	P147 (38-0)
586	18810.753	0.749	R178 (41-0)
	18810.360		
587	18810.217	0.220	P 74 (33-0)
		0.209	P115 (35-0)
588	18810.019	9.056	R140 (37-0)
		9.018	R 99 (34-0)
589	18809.934	9.941	P 38 (32-0)
590	18809.876	9.878	R 41 (32-0)
591	18809.787	9.786	R 77 (33-0)
		9.784	R129 (36-0)
	18809.171		
592	18808.967		
593	18808.718	8.721	P 39 (32-0)
594	18808.656	8.655	R 42 (32-0)
595	18808.554	8.543	P138 (37-0)
		8.548	R116 (35-0)
596	18808.319		

LINE	OBS CM-1	CALC	ASSIGNMENT
597	18808.301		
598	18808.159		
599	18807.865	7.921	P127 (36-0)
		7.873	P 97 (34-0)
		7.856	P 75 (33-0)
600	18807.485	7.470	P 40 (32-0)
601	18807.407	7.414	R 78 (33-0)
		7.402	R 43 (32-0)
602	18806.880	6.886	R108 (34-0)
	18806.896	6.600	R150 (38-0)
603	18806.452	6.450	P114 (35-0)
		6,413	P174 (42-0)
604	18806.189	6.206	R158 (39-0)
		6.190	P 41 (32-0)
605	18806.119	6.119	R 44 (32-0)
	18805.804	5.803	P156 (38-0)
	18805.703		
606	18805.594	5.600	P148 (38-0)
607	18805.485	5.462	P 76 (33-0)
		5.459	R130 (36-0)
	18805.339	5.341	P163 (40-0)
608	18805.238	5.229	P141 (37-0)
		5.220	P164 (41-0)
609	18805.011	5.065	R165 (40-0)
		5.010	R 79 (33-0)
610	18804.876	4.879	P 42 (32-0)
611	18804.801	4.806	R 45 (32-0)
		4.765	R117 (35-0)
612	18804.721	4.718	P 98 (34-0)
613	18804.246		
	18804.179	4.176	R171 (41-0)
	18804.096		

LINE	OBS CM-1	CALC	ASSIGNMENT
614	18803.711		
615	18803.537	3.592	P128 (36-0)
		3.538	P 43 (32-0)
616	18803.461	3.462	R 46 (32-0)
	18803.226		
617	18803.036	3.036	P 77 (33-0)
	18802.864		
618	18802.659	2.657	P115 (35-0)
619	18802.576	2.574	R 80 (33-0)
	18802.469		
620	18802.165	2.166	P 44 (32-0)
621	18802.067	2.087	R 47 (32-0)
622	18801.986		
	18801.808		
	18801.721		
623	18801.530	1.530	P 99 (34-0)
624	18801.405		
625	18801.271	1.277	R131 (36-0)
626	18801.094	1.097	R131 (36-0)
627	18800.969	0.968	R116 (35-0)
628	18800.763	0.764	P 45 (32-0)
629	18800.682	0.683	R 48 (32-0)
630	18800.579	0.578	P 78 (33-0)
631	18800.502	0.504	R102 (34-0)
		0.438	R139 (37-0)
632	18800.336	0.364	R142 (37-0)
633	18800.286	0.286	P149 (38-0)
634	18800.108	0.107	P 81 (33-0)
		0.052	P157 (39-0)
635	18799.950		
	18799.737		
636	18799.577		



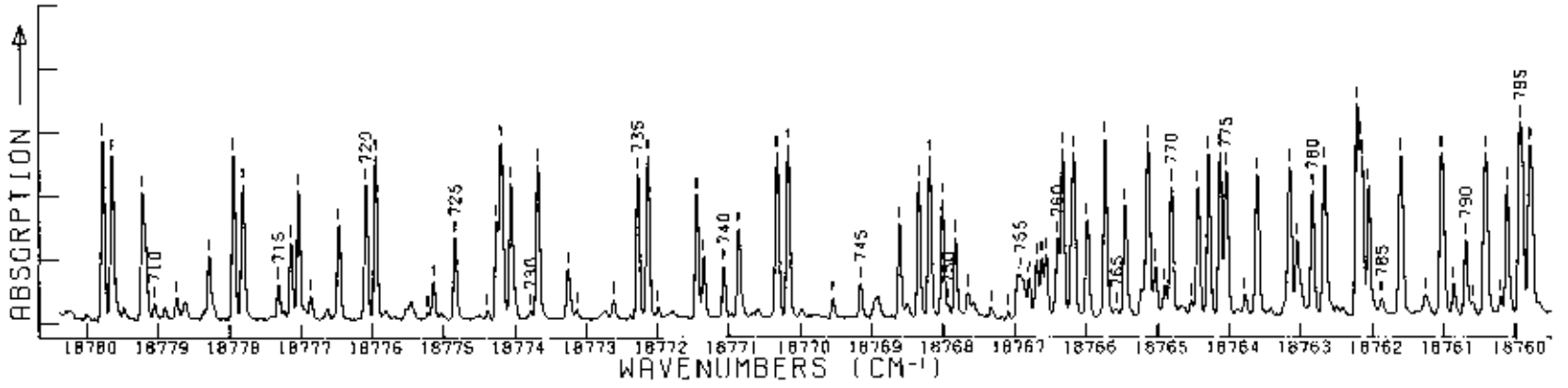
LINE	OBS CM-1	CALC	ASSIGNMENT
632	18800.356	0.364	R142 (37-0)
633	18800.286	0.288	P149 (38-0)
634	18800.108	0.107	P 81 (33-0)
		0.052	P107 (39-0)
635	18799.956		
	18799.737		
636	18799.677		
	18799.442	9.447	P175 (42-0)
637	18799.352	9.332	P 46 (32-0)
638	18799.244	9.247	R 49 (32-0)
		9.227	P129 (36-0)
		9.167	P168 (40-0)
639	18798.832	8.876	P140 (37-0)
		8.863	R166 (40-0)
		8.830	P116 (35-0)
	18798.638	8.640	P170 (41-0)
640	18798.310	8.310	P100 (34-0)
641	18798.089	8.086	P 79 (33-0)
	18798.017		
642	18797.868	7.869	P 47 (32-0)
643	18797.782	7.782	R 50 (32-0)
644	18797.668	7.668	R 82 (33-0)
		7.661	R172 (41-0)
	18797.513		
645	18797.267	7.266	R103 (36-0)
646	18797.068	7.067	R119 (35-0)
	18796.961		

LINE	OBS CM-1	CALC	ASSIGNMENT
	18796.795		
647	18796.699	6.700	R132 (36-0)
	18796.635		
648	18796.375	6.377	P 48 (32-0)
649	18796.286	6.286	R 51 (32-0)
650	18795.908	5.915	R152 (38-0)
651	18795.868	5.868	P 80 (33-0)
652	18795.485	5.461	R143 (37-0)
	18795.241		
653	18795.070	5.077	R 83 (33-0)
		5.056	P101 (34-0)
654	18794.968	4.968	P117 (35-0)
		4.936	P150 (38-0)
655	18794.851	4.653	R 49 (32-0)
		4.627	R130 (36-0)
656	18794.761	4.759	R 52 (32-0)
	18794.631	4.628	R160 (39-0)
657	18794.253	4.261	P158 (39-0)
658	18793.990	3.995	R104 (34-0)
		3.979	R141 (37-0)
	18793.769		
	18793.682		
659	18793.301	3.298	P 50 (32-0)
660	18793.205	3.210	R120 (35-0)
		3.202	R 85 (32-0)
661	18793.017	3.015	P 81 (33-0)
662	18792.938	2.950	P165 (40-0)
	18792.818	2.818	R167 (40-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
663	18792.514	2.514	R 84 (33-0)
664	18792.371		
665	18792.266	2.266	R135 (36-0)
	18792.015	2.016	P171 (41-0)
666	18791.717	1.769	P102 (34-0)
		1.715	P 91 (32-0)
667	18791.618	1.615	R 88 (32-0)
668	18791.072	1.072	P118 (35-0)
	18790.884	0.899	R173 (41-0)
669	18790.691	0.691	R105 (34-0)
	18790.608		
670	18790.511	0.520	R144 (37-0)
		0.512	R153 (38-0)
671	18790.431	0.431	P 82 (33-0)
		0.390	R131 (36-0)
	18790.186		
672	18790.101	0.101	P 92 (32-0)
673	18789.998	9.997	R 85 (32-0)
674	18789.920	9.920	R 85 (33-0)
675	18789.683		
676	18789.598	9.596	P181 (38-0)
677	18789.289	9.289	R121 (35-0)
	18789.044	9.042	P142 (37-0)
678	18788.760	8.775	R161 (39-0)
679	18788.453	8.456	R 53 (32-0)
		8.458	P185 (39-0)
		8.428	P159 (39-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
680	18788.348	8.348	R 56 (32-0)
	18788.249		
681	18787.814	7.815	P 83 (33-0)
		7.796	R134 (36-0)
		7.354	R106 (34-0)
682	18787.296	7.294	R 86 (33-0)
		7.241	R119 (35-0)
683	18787.141	7.141	R179 (42-0)
684	18786.781	6.780	P 84 (32-0)
685	18786.671	6.680	R166 (40-0)
		6.669	R 57 (32-0)
	18786.328	6.328	R168 (40-0)
686	18785.915	5.916	R132 (36-0)
687	18785.868		
688	18785.542	5.541	R140 (37-0)
689	18785.333	5.333	R122 (35-0)
690	18788.263		
691	18788.178	5.167	P 84 (33-0)
692	18785.080	5.097	P106 (34-0)
		5.076	P 55 (32-0)
		9.870	R154 (38-0)
693	18784.968	4.959	R 58 (32-0)
694	18784.639	4.635	R 87 (33-0)
	18784.512		
	18784.288		
695	18784.065	4.115	P152 (38-0)
		4.068	P143 (37-0)
696	18783.982	3.983	R107 (34-0)
	18783.739		

LINE	OBS CM-1	CALC	ASSIGNMENT
697	18783.336	3.338	P 86 (32-0)
		3.290	R135 (36-0)
698	18783.218	3.219	R 59 (32-0)
		3.176	P120 (35-0)
	18782.681	2.680	R169 (39-0)
	18782.791		
	18782.718		
699	18782.446	2.564	P160 (39-0)
		2.448	P 85 (33-0)
700	18782.158		
701	18781.965	1.965	R 86 (33-0)
702	18781.731	1.711	P105 (34-0)
703	18781.572	1.571	P 57 (32-0)
704	18781.449	1.445	R 60 (32-0)
		1.409	P133 (36-0)
705	18781.344	1.340	R123 (35-0)
	18781.119		
	18780.884		
706	18780.874	0.879	R108 (34-0)
		0.823	R146 (37-0)
	18780.384	0.384	P167 (40-0)
	18779.996	9.995	R189 (40-0)
707	18779.776	9.777	P 88 (33-0)
		9.773	P 58 (32-0)
708	18779.648	9.647	R 61 (32-0)
	18779.592	9.588	R185 (38-0)
	18779.487		



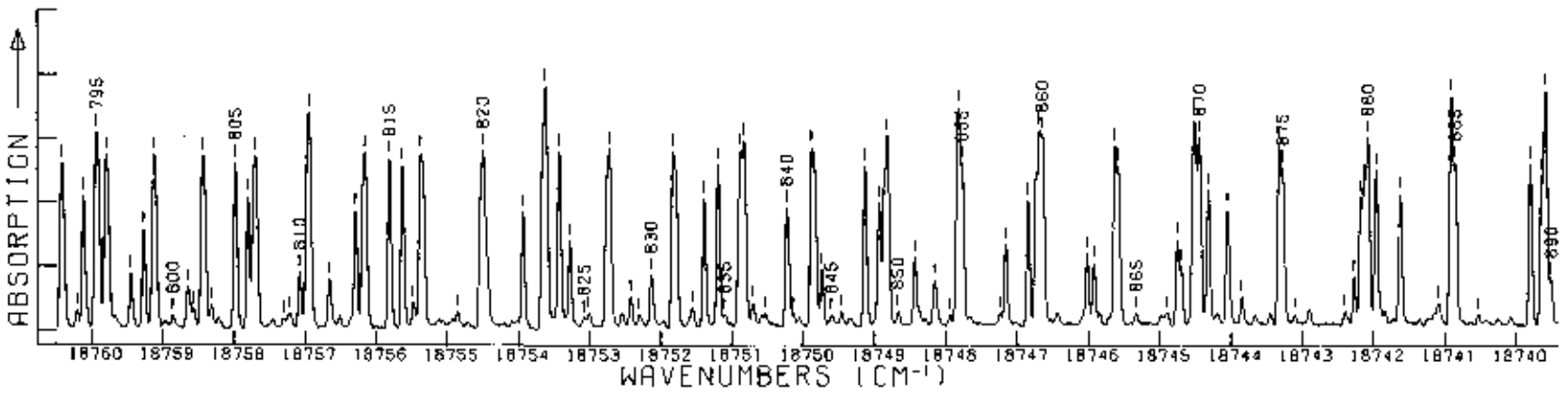
LINE	OBS CM-1	CALC	ASSIGNMENT
	18779.046	9.095	R169 (40-0)
707	18779.776	9.777	P 66 (33-0)
		9.773	P 58 (32-0)
708	18779.648	9.647	R 61 (32-0)
	18779.092	9.588	R155 (38-0)
	18779.487		
709	18779.221	9.223	R 69 (33-0)
		9.177	P121 (35-0)
710	18779.035	9.036	P164 (37-0)
	18778.919		
711	18778.748	8.747	R136 (36-0)
	18778.633	8.646	P155 (38-0)
	18778.372		
712	18778.292	8.292	P186 (34-0)
	18778.243		
713	18777.948	7.945	P 56 (32-0)
714	18777.815	7.810	R 62 (32-0)
715	18777.317	7.312	R134 (36-0)
	18777.239		
716	18777.142	7.142	R180 (34-0)
717	18777.036	7.034	P 47 (33-0)
	18776.944	6.943	R163 (36-0)
718	18776.863	6.864	P134 (36-0)
	18776.639	6.639	P161 (38-0)
719	18776.479	6.469	R 90 (33-0)
720	18776.098	6.087	P 60 (32-0)
721	18775.954	5.952	R 63 (32-0)
	18775.818		
	18775.468	5.468	R147 (37-0)
722	18775.233		
723	18775.213		
724	18775.143	5.143	P122 (35-0)
725	18774.899	4.840	R167 (34-0)
726	18774.385		

LINE	OBS CM-1	CALC	ASSIGNMENT
727	18774.258	4.259	P 86 (33-0)
728	18774.197	4.198	P 61 (32-0)
		4.164	R157 (36-0)
729	18774.058	4.065	R154 (38-0)
		4.058	R 64 (32-0)
		4.038	P168 (40-0)
		4.006	P145 (37-0)
730	18773.777		
731	18773.679	3.685	R 91 (33-0)
		3.671	R110 (34-0)
		3.617	R178 (40-0)
732	18773.285	3.286	R125 (35-0)
733	18773.130	3.136	P154 (38-0)
734	18772.616		
735	18772.268	2.283	P135 (36-0)
		2.278	P 82 (32-0)
736	18772.136	2.134	R 65 (32-0)
737	18771.992		
738	18771.452	1.452	P 89 (33-0)
739	18771.358	1.355	P108 (34-0)
740	18771.078	1.074	P123 (35-0)
	18770.965	0.964	R164 (39-0)
741	18770.865	0.865	R 92 (33-0)
	18770.679	0.681	P142 (36-0)
	18770.607		
742	18770.389	0.374	R184 (37-0)
		0.328	P 63 (32-0)
743	18770.175	0.170	R 66 (32-0)
		0.167	R111 (34-0)
	18769.999		
744	18769.546	9.552	R158 (36-0)
745	18769.162	9.161	R126 (35-0)
	18768.923	8.918	P146 (37-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
746	18768.614	8.619	P 90 (33-0)
	18768.510	8.503	R157 (39-0)
747	18768.348	8.347	P 64 (32-0)
748	18768.196	8.194	R 67 (32-0)
749	18768.016	8.015	R 93 (33-0)
750	18767.942		
751	18767.836	7.836	P109 (34-0)
752	18767.660	7.656	P136 (36-0)
		7.647	P169 (40-0)
	18767.589	7.587	P155 (38-0)
753	18767.333		
	18767.194	7.195	R171 (40-0)
754	18767.097		
755	18766.936	6.930	P124 (35-0)
		6.936	R 1 (31-0)
		6.922	R 2 (31-0)
		6.921	R 8 (31-0)
		6.879	R 3 (31-0)
756	18766.803	6.806	R 4 (31-0)
		6.801	P 1 (31-0)
757	18766.700	6.703	R 5 (31-0)
		6.697	P 2 (31-0)
758	18766.629	6.630	R112 (34-0)
759	18766.567	6.571	R 6 (31-0)
		6.563	P 3 (31-0)
760	18766.484	6.410	R 7 (31-0)
		6.400	P 4 (31-0)
761	18766.336	6.335	P 65 (32-0)
762	18766.185	6.218	R 8 (31-0)
		6.206	P 5 (31-0)
		6.177	R 88 (32-0)
763	18765.992	5.998	R 9 (31-0)
		5.986	P 6 (31-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
764	18765.741	5.738	R 10 (31-0)
		5.743	P 91 (33-0)
		5.734	P 7 (31-0)
765	18765.579		
766	18765.462	5.466	R 11 (31-0)
		5.453	P 8 (31-0)
	18765.253	5.242	R140 (37-0)
767	18765.191	5.189	R 12 (31-0)
		5.148	P 9 (31-0)
		5.133	R 94 (33-0)
		5.030	R127 (35-0)
768	18765.033		
769	18764.901	4.902	R165 (39-0)
		4.899	R139 (36-0)
770	18764.812	4.828	R 13 (31-0)
		4.802	P 10 (31-0)
	18764.642	4.682	P163 (39-0)
	18764.643		
771	18764.532		
772	18764.440	4.452	R 14 (31-0)
		4.432	P 11 (31-0)
773	18764.292	4.295	P 66 (32-0)
		4.284	P116 (34-0)
774	18764.132	4.130	R 69 (32-0)
775	18764.066	4.054	R 15 (31-0)
		4.033	P 12 (31-0)
	18763.892		
776	18763.780	3.792	P147 (37-0)
777	18763.612	3.627	R 16 (31-0)
		3.604	P 13 (31-0)
	18763.440		
778	18763.160	3.176	R 17 (31-0)
		3.146	P 14 (31-0)
779	18763.056	3.059	R115 (34-0)
		3.012	P137 (36-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
780	18762.839	2.900	R158 (38-0)
		2.841	P 92 (33-0)
		2.832	P125 (35-0)
781	18762.666	2.664	R 18 (31-0)
		2.656	P 15 (31-0)
	18762.512		
	18762.481		
782	18762.218	2.220	P 67 (32-0)
		2.219	R 95 (33-0)
783	18762.164	2.168	R 19 (31-0)
		2.141	P 16 (31-0)
	18762.081	1.998	P156 (38-0)
784	18761.873		
785	18761.694	1.692	R 20 (31-0)
		1.594	P 17 (31-0)
787	18761.264		
CALC	**********	1.212	R170 (40-0)
788	18761.034	1.047	R 21 (31-0)
		1.018	P 18 (31-0)
789	18760.863	0.865	R128 (35-0)
790	18760.698	0.728	R172 (40-0)
		0.690	P111 (34-0)
791	18760.600		
792	18760.421	0.468	R 22 (31-0)
		0.412	P 19 (31-0)
793	18760.207	0.210	R140 (36-0)
794	18759.118	9.116	P 68 (32-0)
		9.072	R150 (37-0)
795	18759.935	9.943	R 71 (32-0)
		9.907	P 93 (33-0)
796	18759.795	9.808	R 23 (31-0)
		9.776	P 20 (31-0)
	18759.678		



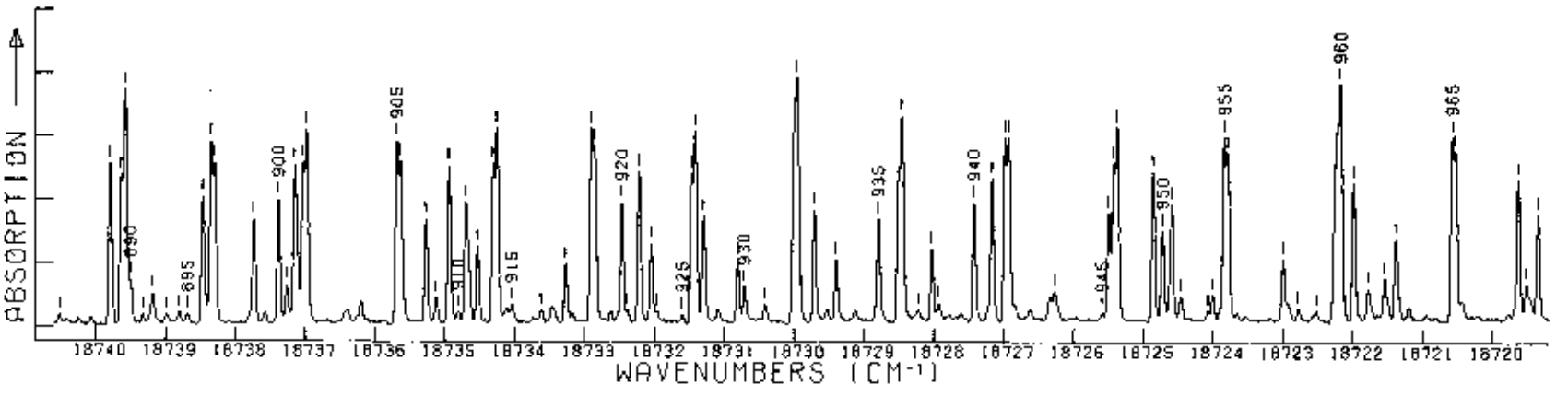
LINE	OBS CM-1	CALC	ASSIGNMENT
792	18760.421	0.442	R 22 (31-0)
		0.412	P 19 (31-0)
793	18760.207	0.210	R140 (36-0)
794	18760.118	0.116	P 68 (32-0)
		0.072	R150 (37-0)
795	18789.935	9.943	R 71 (32-0)
		8.907	P 93 (33-0)
796	18759.795	9.808	R 23 (31-0)
		8.776	P 20 (31-0)
	18709.678		
797	18759.453	9.454	R114 (34-0)
798	18759.271	9.272	R 96 (33-0)
799	18759.119	9.104	R 24 (31-0)
		9.111	P 21 (31-0)
	18758.971		
800	18758.668	8.878	R166 (39-0)
801	18758.650	8.659	P126 (35-0)
		8.641	P164 (39-0)
		8.625	P148 (37-0)
802	18758.569		
803	18758.940	8.451	R 25 (31-0)
		8.417	P 22 (31-0)
804	18758.318	8.382	P138 (36-0)
	18758.230		
805	18757.984	7.982	R 46 (32-0)
806	18757.806	7.804	R 72 (32-0)
807	18757.699	7.738	R 26 (31-0)
		7.693	P 23 (31-0)
	18757.459		
808	18757.303		
809	18757.212	7.256	R150 (36-0)
810	18757.079	7.080	P112 (34-0)
811	18756.946	6.978	R 27 (31-0)
		6.940	P 94 (33-0)
		6.939	P 24 (31-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
812	18756.660	6.664	R129 (35-0)
	18756.525		
813	18756.284	6.369	P137 (36-0)
		6.293	R 97 (33-0)
814	18756.159	6.193	R 28 (31-0)
		6.155	P 25 (31-0)
815	18755.816	5.817	P 70 (32-0)
		5.816	R115 (34-0)
816	18755.654	5.635	R 73 (32-0)
817	18755.481	5.484	R141 (36-0)
818	18755.375	5.381	R 29 (31-0)
		5.342	P 26 (31-0)
819	18754.858	4.862	R151 (37-0)
	18754.729	4.732	P171 (40-0)
820	18754.501	4.539	R 30 (31-0)
		4.508	P 27 (31-0)
		4.451	P137 (35-0)
	18754.212	4.216	R173 (40-0)
821	18753.942	3.942	P 95 (33-0)
822	18753.686	3.668	R 31 (31-0)
		3.628	P 28 (31-0)
		3.621	P 71 (32-0)
		3.596	P139 (36-0)
823	18753.451	3.432	R 74 (32-0)
		3.428	P115 (34-0)
		3.426	P149 (37-0)
824	18753.281	3.263	R 98 (33-0)
825	18753.082		
826	18753.014		
827	18752.727	2.772	R167 (39-0)
		2.767	R 32 (31-0)
		2.726	P 29 (31-0)
	18752.585	2.558	P165 (39-0)
828	18752.426	2.428	R130 (35-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
829	18752.303		
830	18752.190	2.144	R116 (34-0)
	18751.977		
831	18751.834	1.837	R 33 (31-0)
		1.795	P 30 (31-0)
832	18751.866	1.672	R160 (38-0)
833	18751.396	1.394	P 72 (32-0)
834	18751.202	1.200	R 75 (32-0)
835	18751.108		
836	18750.860	0.918	P 96 (33-0)
		0.877	R 34 (31-0)
837	18750.835	0.834	P 31 (31-0)
838	18750.715	0.721	R142 (36-0)
		0.700	P158 (38-0)
	18750.593		
839	18750.535		
	18750.427		
840	18750.236	0.239	R 99 (33-0)
		0.208	P128 (35-0)
841	18750.185		
	18750.066		
842	18749.886	9.887	R 35 (31-0)
843	18749.848	9.843	P 32 (31-0)
844	18749.742	9.743	P114 (34-0)
845	18749.608	9.614	R152 (37-0)
846	18749.470		
	18749.353		
847	18749.138	9.137	P 73 (32-0)
848	18748.936	8.936	R 76 (32-0)
849	18748.823	8.867	R 36 (31-0)
		8.853	P140 (36-0)
		8.823	P 33 (31-0)
850	18748.672		
851	18748.437	8.438	R117 (34-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
	18748.347		
	18748.342		
852	18748.160	8.185	P150 (37-0)
		8.157	R131 (35-0)
853	18747.944		
854	18747.826	7.849	P 97 (33-0)
		7.818	R 37 (31-0)
855	18747.776	7.775	P 34 (31-0)
	18747.670		
856	18747.244		
857	18747.164	7.164	R180 (33-0)
858	18746.850	6.848	P 74 (32-0)
859	18746.688	6.739	R 38 (31-0)
		6.694	P 35 (31-0)
860	18746.630	6.642	R 77 (32-0)
		6.622	R168 (39-0)
	18746.448	6.433	P166 (39-0)
861	18746.024	6.089	P115 (34-0)
862	18745.926	5.930	P129 (35-0)
		5.922	R143 (36-0)
	18745.845	5.847	R161 (38-0)
863	18745.631	5.631	R 39 (31-0)
864	18745.584	5.585	P 36 (31-0)
865	18745.334		
	18744.990	4.990	P159 (38-0)
866	18744.895		
867	18744.754	4.754	P 98 (33-0)
868	18744.702	4.698	R118 (34-0)
869	18744.510	4.529	P 75 (32-0)
		4.492	R 99 (33-0)
870	18744.485	4.446	P 37 (31-0)
871	18744.320	4.328	R153 (37-0)
		4.317	R 78 (32-0)
	18744.200		

LINE	OBS CM-1	CALC	ASSIGNMENT
872	18744.052	4.056	R181 (38-0)
		4.033	P141 (36-0)
873	18743.848	3.851	R132 (35-0)
	18743.672		
	18743.456		
874	18743.325	3.324	R 41 (31-0)
875	18743.278	3.277	P 38 (31-0)
	18743.190		
876	18743.109		
	18742.908	2.907	P181 (37-0)
877	18742.803		
878	18742.271	2.272	P116 (34-0)
879	18742.179	2.179	P 76 (32-0)
880	18742.078	2.126	R 42 (31-0)
		2.079	P 39 (31-0)
881	18741.963	1.961	R 79 (32-0)
	18741.843		
	18741.732		
882	18741.625	1.627	P 99 (33-0)
		1.617	P130 (35-0)
883	18741.084	1.085	R144 (36-0)
884	18740.907	0.906	R119 (34-0)
		0.916	R102 (33-0)
		0.899	R 43 (31-0)
885	18740.835	0.851	P 40 (31-0)
886	18740.693		
	18740.429	0.430	R169 (39-0)
	18740.263	0.265	P167 (39-0)
	18740.078	0.081	R182 (38-0)
887	18739.798	9.798	P 77 (32-0)
888	18739.642	9.641	P 44 (31-0)
889	18739.585	9.593	P 41 (31-0)
		9.574	R 80 (32-0)
890	18739.500	9.509	R133 (35-0)



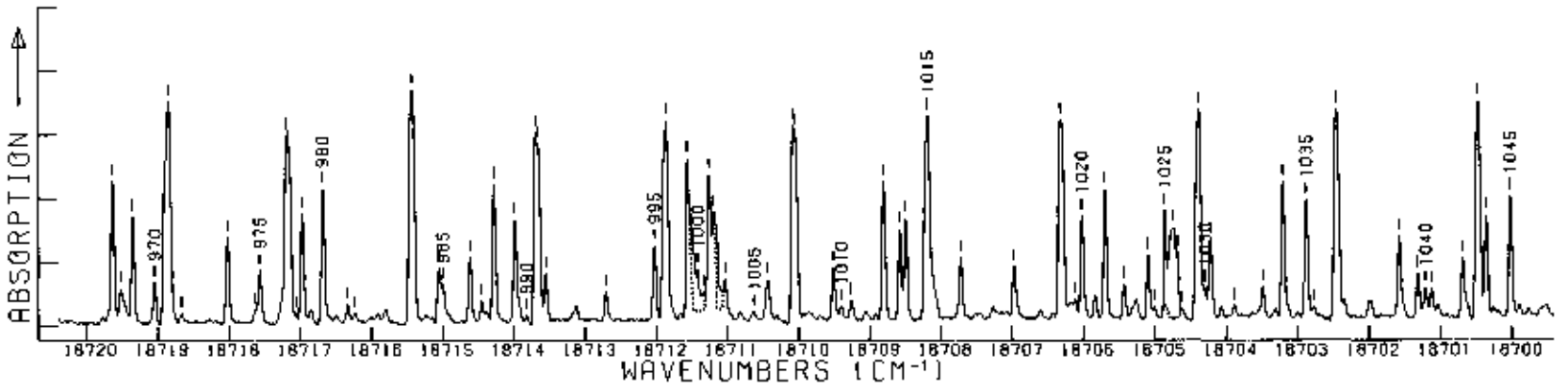
LINE	OBS CM-1	CALC	ASSIGNMENT
886	18740.523		
	18740.429	0.430	R169 (39-0)
	18740.263	0.265	P167 (39-0)
	18740.078	0.081	R162 (38-0)
887	18739.798	9.798	P 77 (38-0)
888	18739.642	9.691	R 44 (31-0)
889	18739.588	9.593	P 41 (31-0)
		9.574	R 88 (32-0)
890	18739.489	9.489	R133 (35-0)
891	18739.333		
892	18739.189	9.240	P160 (38-0)
		9.196	P142 (36-0)
893	18738.994	9.002	R154 (37-0)
894	18738.814		
895	18738.694		
896	18738.474	8.485	P117 (34-0)
		8.468	P100 (33-0)
897	18738.356	8.356	R 45 (31-0)
898	18738.307	8.306	P 42 (31-0)
899	18737.742	7.744	R103 (33-0)
	18737.591	7.589	P152 (37-0)
900	18737.388	7.387	P 78 (32-0)
901	18737.289	7.289	P131 (35-0)
902	18737.156	7.156	R 81 (32-0)
		7.118	R120 (34-0)
903	18737.037	7.037	R 46 (31-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
904	18736.989	6.988	P 43 (31-0)
	18736.410		
	18736.218	6.219	R145 (36-0)
905	18735.693	5.691	R 47 (31-0)
906	18735.643	5.642	P 44 (31-0)
907	18735.277	5.277	P101 (33-0)
908	18735.130	5.131	R134 (35-0)
909	18734.945	4.944	P 79 (32-0)
910	18734.815		
911	18734.705	4.706	R 82 (32-0)
		4.686	P118 (34-0)
912	18734.536	4.539	R104 (33-0)
915	18734.516	4.383	P143 (36-0)
		4.314	R 48 (31-0)
914	18734.264	4.275	R163 (38-0)
		4.256	P 45 (31-0)
	18734.132		
915	18734.044	4.055	P168 (39-0)
	18733.755		
916	18733.627	3.638	R155 (37-0)
	18733.475	3.480	P161 (38-0)
917	18733.275	3.277	R121 (34-0)
	18733.182		
918	18732.907	2.908	R 49 (31-0)
919	18732.863	2.886	P132 (35-0)
		2.859	P 46 (31-0)
	18732.659		

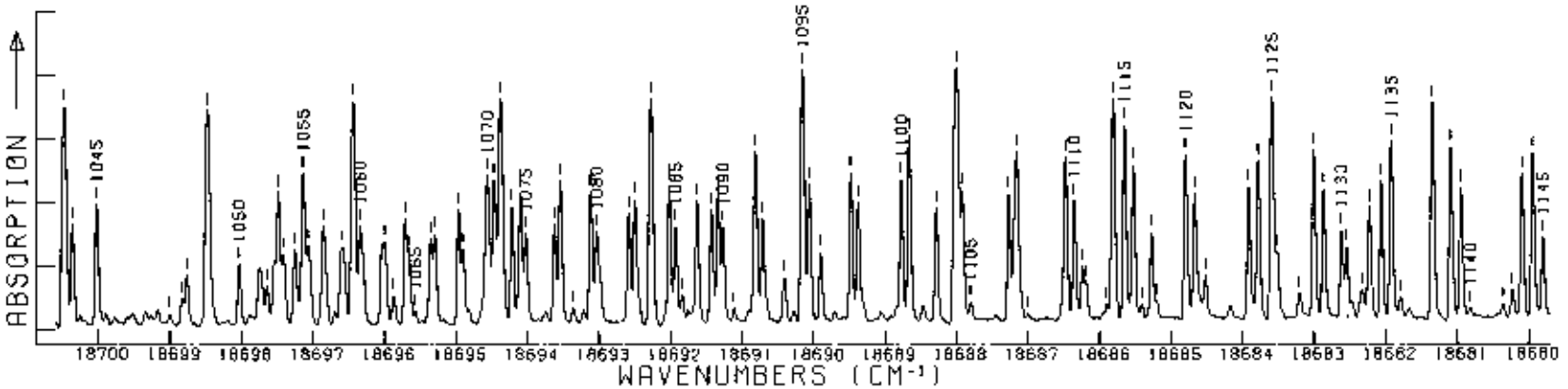
LINE	OBS CM-1	CALC	ASSIGNMENT
920	18732.471	2.470	P 80 (32-0)
921	18732.369		
922	18732.226		
		2.234	P153 (37-0)
		2.226	R 83 (32-0)
923	18730.055	2.054	P102 (33-0)
924	18731.969		
925	18731.808		
926	18731.472	1.471	R 50 (31-0)
927	18731.422	1.423	P 47 (31-0)
928	18731.309	1.301	R105 (33-0)
		1.300	R146 (36-0)
	18731.107		
929	18730.831	0.832	P119 (34-0)
930	18730.718	0.719	R135 (35-0)
931	18730.419		
932	18729.969	0.005	R 51 (31-0)
		9.965	P 81 (32-0)
		9.957	P 48 (31-0)
933	18729.715	9.714	R 84 (32-0)
	18729.545		
934	18729.403	9.413	P149 (36-0)
		9.402	R122 (34-0)
	18729.139		
935	18728.797	8.798	P103 (33-0)
936	18728.461	8.509	R 52 (31-0)
		8.467	P135 (35-0)
		8.462	P 49 (31-0)
		8.427	R164 (38-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
937	18728.226	8.234	R156 (37-0)
938	18728.030	8.031	R106 (33-0)
939	18727.957		
	18727.882	7.882	P169 (39-0)
	18727.682	7.619	P162 (38-0)
940	18727.429	7.430	P 82 (32-0)
941	18727.172	7.171	R 85 (32-0)
942	18726.985	6.983	R 53 (31-0)
943	18726.934	6.938	P 50 (31-0)
		6.926	P120 (34-0)
	18726.845	6.839	P154 (37-0)
	18726.632		
	18726.347	6.351	R147 (36-0)
944	18726.271	6.270	R136 (35-0)
945	18725.594		
946	18725.502	5.509	P104 (33-0)
		5.493	R123 (34-0)
947	18725.429	5.428	R 54 (31-0)
948	18725.380	5.381	P 51 (31-0)
949	18724.464	4.463	P 83 (32-0)
950	18724.727	4.729	R107 (33-0)
951	18724.598	4.598	R 86 (32-0)
952	18724.464	4.466	P105 (34-0)
953	18724.075		
954	18724.013	4.013	P136 (35-0)
955	18723.843	3.842	R 55 (31-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
956	18723.797	3.796	P 52 (31-0)
957	18723.009	3.008	P121 (34-0)
	18722.941		
958	18722.785	2.791	R157 (37-0)
959	18722.523	2.538	R165 (38-0)
960	18722.185	2.265	P 84 (32-0)
		2.226	R 56 (31-0)
		2.180	P105 (33-0)
		2.180	P 53 (31-0)
961	18721.992	1.992	R 87 (32-0)
962	18721.784	1.786	R137 (35-0)
		1.748	P163 (38-0)
963	18721.548	1.550	R124 (34-0)
		1.507	P170 (39-0)
964	18721.390	1.406	P155 (37-0)
		1.393	R108 (33-0)
		1.365	R148 (36-0)
	18721.213		
965	18720.501	0.501	R 57 (31-0)
966	18720.037	0.036	P 54 (31-0)
	18720.450		
967	18719.636	9.636	P 88 (32-0)
968	18719.521	9.524	P135 (35-0)
		9.482	P150 (36-0)
969	18719.357	9.356	R 88 (32-0)



LINE	OBS CM-1	CALC	ASSIGNMENT
967	18719.636	9.636	P 45 (32-0)
968	18719.521	9.522	P135 (35-0)
		9.502	P146 (36-0)
969	18719.357	9.356	R 28 (32-0)
970	18719.049	9.049	P122 (34-0)
971	18718.886	8.905	R 58 (31-0)
		8.861	P 58 (31-0)
		8.836	P106 (33-0)
972	18718.665		
973	18718.024	8.026	R109 (33-0)
974	18717.636		
975	18717.571	7.572	R125 (34-0)
	18717.277	7.309	R138 (37-0)
		7.267	R158 (35-0)
976	18717.200	7.199	R 59 (31-0)
977	18717.156	7.156	P 56 (31-0)
978	18717.056		
979	18716.977	6.976	P 66 (32-0)
	18716.868		
980	18716.689	6.688	R 89 (32-0)
	18716.604	6.607	R166 (38-0)
	18716.508		
981	18716.338	6.302	R104 (36-0)
982	18716.256		
	18715.989	5.934	P156 (37-0)
	18715.815	5.835	P164 (38-0)
983	18715.430	5.464	R 68 (31-0)
		5.450	P107 (33-0)
		5.421	P 57 (31-0)
		5.167	R171 (39-0)
984	18715.056	5.060	P123 (34-0)
985	18715.003	5.000	P136 (35-0)
986	18714.633	4.625	R110 (33-0)
987	18714.484	4.461	P147 (36-0)
	18714.369		
988	18714.285	4.285	P 67 (32-0)
989	18713.990	3.989	R 90 (32-0)
990	18713.817		
991	18713.698	3.698	R 61 (31-0)
992	18713.663	3.657	P 58 (31-0)
993	18713.557	3.561	R126 (34-0)
	18713.137		
994	18712.712	2.711	R139 (35-0)
995	18712.030	2.032	P106 (33-0)
996	18711.883	1.903	P 62 (31-0)
		1.862	P 59 (31-0)
		1.787	R159 (37-0)
	18711.790		
	18711.670		
997	18711.565	1.063	P 88 (32-0)
998	18711.823	*****	ARTIFACT
999	18711.475	*****	ARTIFACT
1000	18711.419	*****	ARTIFACT
	18711.383		
1001	18711.340	*****	ARTIFACT
1002	18711.260	1.262	R150 (36-0)
		1.259	R 91 (32-0)
1003	18711.193	1.192	R111 (33-0)
		1.138	P172 (39-0)
	18710.832		
1005	18710.630	0.635	R167 (38-0)
1006	18710.435	0.439	P137 (35-0)
		0.423	P107 (33-0)
		0.077	R 63 (31-0)
1007	18710.076	0.036	P 80 (32-0)
1008	18710.049	9.682	P165 (38-0)
	18709.884	9.515	R127 (34-0)
1009	18709.513	9.403	P148 (36-0)
1010	18709.349		
1011	18709.261		
	18709.065		
	18708.924		
1012	18708.810	8.809	P 89 (32-0)
1013	18708.580	8.582	P109 (33-0)
1014	18708.497	8.498	R 92 (32-0)
1015	18708.186	8.281	P 69 (31-0)
		8.184	P 61 (31-0)
	18708.125	8.119	R140 (35-0)
1016	18707.725	7.726	R112 (33-0)
	18707.284		
1017	18706.977	6.981	P125 (34-0)
		6.947	R 19 (37-2)
		6.420	P 17 (37-2)
	18706.622		
	18706.437		
1018	18706.327	6.336	R 65 (31-0)
		6.335	R 20 (37-2)
		6.299	P 62 (31-0)
	18706.187	6.226	R150 (37-0)
		6.183	R151 (36-0)
	18706.123		
1019	18706.025	6.024	P 98 (32-0)
		5.980	P 18 (37-2)
	18705.848	5.844	P130 (35-0)
1021	18705.782	5.705	R 93 (32-0)
		5.696	R 21 (37-2)
1022	18705.432	5.435	R129 (34-0)
	18705.278	5.328	P 19 (37-2)
1023	18705.097	5.099	P110 (33-0)
1024	18705.010	5.012	R 22 (37-2)
	18704.872	4.873	P150 (37-0)
1025	18704.864	*****	ARTIFACT
1026	18704.744	*****	ARTIFACT
1027	18704.684	*****	ARTIFACT
1028	18704.624	4.635	P 20 (37-2)
		4.622	R162 (38-0)
1029	18704.389	4.410	R 66 (31-0)
		4.385	P 63 (31-0)
1030	18704.302	4.308	P149 (36-0)
		4.302	R 23 (37-2)
1031	18704.228	4.227	R113 (33-0)
	18704.041		
1032	18703.889	3.906	P 21 (37-2)
		3.484	P166 (38-0)
1033	18703.494	3.459	R 24 (37-2)
		3.493	R141 (35-0)
	18703.324		
1034	18703.208	5.204	P 91 (32-0)
	18703.182	3.165	P 22 (37-2)
1035	18702.882	2.880	P126 (34-0)
		2.880	R 94 (32-0)
1036	18702.779	2.783	R 25 (37-2)
1037	18702.458	2.473	R 67 (31-0)
		2.440	P 64 (31-0)
	18702.356	2.382	P 23 (37-2)
	18701.998	1.978	R 26 (37-2)
1038	18701.582	1.583	P111 (33-0)
		1.525	P 24 (37-2)
1039	18701.521	1.521	R129 (34-0)
1040	18701.213	1.213	P139 (35-0)
1041	18701.185	1.133	R 27 (37-2)
	18701.082	1.047	R152 (36-0)
1042	18700.692	0.696	R114 (33-0)
		0.668	P 25 (37-2)
		0.626	R161 (37-0)
1043	18700.471	0.497	R 68 (31-0)
		0.488	P 65 (31-0)
1044	18700.361	0.361	P 92 (32-0)
	18700.260	0.259	R 28 (37-2)
1045	18700.028	0.024	R 95 (32-0)
	18699.988		
	18699.778	9.777	P 26 (37-2)
	18698.605		
	18698.536		



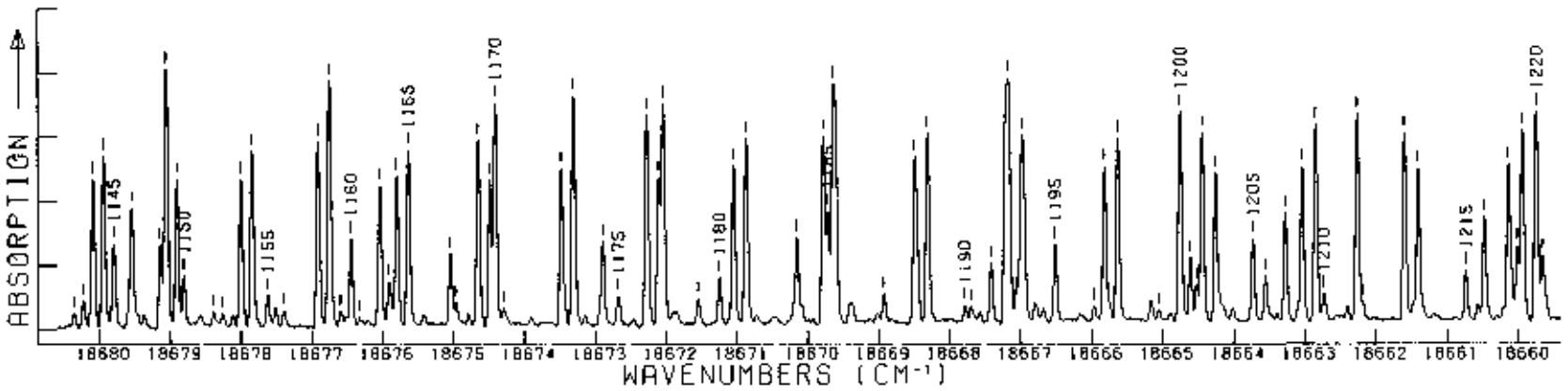
LINE	OBS CM-1	CALC	ASSIGNMENT
1043	18700.471	0.497	R 68 (31-0)
		0.466	P 65 (31-0)
1044	18700.361	0.361	P 42 (32-0)
	18700.286	0.259	R 28 (37-2)
1045	18700.025	0.024	R 95 (32-0)
	18699.900		
	18699.778	9.777	P 26 (37-2)
	18699.690		
	18699.536		
	18699.353	9.382	R 29 (37-2)
	18699.282	9.283	P159 (37-0)
	18699.182	9.175	P150 (36-0)
1046	18698.003		
1047	18698.832	8.852	P 27 (37-2)
		8.830	R144 (35-0)
1048	18698.765	8.766	P127 (39-0)
1049	18698.477	8.567	R169 (38-0)
		8.491	R 69 (31-0)
		8.481	P 86 (31-0)
		8.412	R 36 (37-2)
1050	18698.032	8.034	P112 (33-0)
	18697.884	7.896	P 38 (37-2)
CALC	**********	7.852	P147 (38-0)
CALC	**********	7.767	R 1 (30-0)
CALC	**********	7.755	R 2 (30-0)
CALC	**********	7.756	R 0 (30-0)
CALC	**********	7.719	R 3 (34-0)
1051	18697.644	7.643	R 4 (34-0)
		7.636	P 1 (30-0)
1052	18697.483	7.584	R 5 (30-0)
		7.526	P 2 (30-0)
		7.482	P 93 (32-0)
1053	18697.415	7.440	R 31 (37-2)
		7.416	R 6 (30-0)
		7.394	P 3 (30-0)
1054	18697.254	7.289	R 7 (30-0)
		7.232	P 4 (30-0)
1055	18697.134	7.172	R130 (38-0)
		7.137	R 96 (32-0)
		7.131	R115 (35-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
1056	18697.054	7.073	R 8 (30-0)
		7.042	P 5 (30-0)
1057	18696.853	6.986	P 29 (37-2)
		6.858	R 9 (30-0)
		6.823	P 6 (30-0)
		18696.709	
1058	18696.583	6.615	R 10 (30-0)
		6.578	P 7 (30-0)
		6.546	P140 (35-0)
1059	18696.434	6.454	R 70 (31-0)
		6.434	R 32 (37-2)
		6.427	P 67 (31-0)
1060	18696.340	6.342	R 11 (30-0)
		4.297	P 8 (30-0)
1061	18695.995	6.040	R 12 (30-0)
		5.991	P 9 (30-0)
1062	18695.872	5.884	P 30 (37-2)
		5.874	R153 (36-0)
1063	18695.708	5.709	R 13 (30-0)
1064	18695.662	5.656	P 10 (30-0)
1065	18695.572		
1066	18695.350	5.386	R 33 (37-2)
		5.349	R 14 (30-0)
1067	18695.294	5.291	P 11 (30-0)
1068	18694.961	4.980	R162 (37-0)
		4.961	R 15 (30-0)
1069	18694.901	4.898	P 12 (30-0)
		4.828	P 31 (37-2)
1070	18694.560	0.607	P128 (34-0)
		4.572	P 94 (32-0)
		4.543	R 16 (30-0)
1071	18694.405	4.476	P 13 (30-0)
		4.453	P113 (33-0)
1072	18694.375	4.347	R 71 (31-0)
		4.342	P 68 (31-0)
		4.328	R 34 (37-2)
1073	18694.216	4.218	R 97 (32-0)
1074	18694.090	4.130	R143 (35-0)
		4.096	R 17 (30-0)
1075	18694.024	4.025	P 14 (30-0)
		4.005	P151 (36-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
	18693.754	3.740	P 32 (37-2)
1076	18693.642	3.658	P160 (37-0)
		3.620	R 18 (30-0)
1077	18693.541	3.545	P 15 (30-0)
		3.534	R116 (35-0)
1078	18693.367		
	18693.223	3.221	R 35 (37-2)
1079	18693.116	3.116	R 19 (30-0)
1080	18693.035	3.036	P 16 (30-0)
		2.989	R131 (34-0)
1081	18692.889	2.880	P 33 (37-2)
		2.582	R 20 (30-0)
1082	18692.499	2.498	P 17 (30-0)
		2.469	R170 (36-0)
1083	18692.274	2.240	R 72 (31-0)
		2.267	P 69 (31-0)
1084	18692.019	2.004	R 36 (37-2)
		2.019	R 21 (30-0)
1085	18691.931	1.931	P 18 (30-0)
1086	18691.841	1.843	P141 (35-0)
		18691.770	1.775	P168 (36-0)
1087	18691.691	1.631	P 95 (32-0)
1088	18691.428	1.486	P 34 (37-2)
		1.427	R 22 (30-0)
1089	18691.336	1.335	P 19 (30-0)
1090	18691.247	1.247	R 98 (32-0)
1091	18691.116		
	18690.915	0.914	R 37 (37-2)
1092	18690.810	0.800	P114 (33-0)
		0.807	P 23 (30-0)
1093	18690.718	0.710	P 20 (30-0)
		0.662	R154 (36-0)
1094	18690.610	0.614	P129 (34-0)
	18690.282	0.279	P 35 (37-2)
1095	18690.159	0.163	R 73 (31-0)
		0.107	P 89 (32-0)
		0.102	P 70 (31-0)
1096	18690.057	0.056	P 21 (30-0)
1097	18689.902	9.903	R117 (35-0)
	18689.710	9.711	R 38 (37-2)
1098	18689.474	9.477	R 85 (32-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
1099	18689.375	9.398	R144 (35-0)
		9.374	P 22 (30-0)
	18689.316	9.385	R163 (37-0)
	18689.062	9.060	P 36 (37-2)
1100	18688.772	8.797	P158 (36-0)
		8.772	R132 (34-0)
		8.770	R 26 (30-0)
1101	18688.661	8.662	P 23 (30-0)
		8.686	P 96 (32-0)
	18684.475	8.475	R 39 (37-2)
1102	18688.283	8.285	R 99 (32-0)
1103	18688.000	8.053	R 27 (30-0)
		8.006	R 74 (31-0)
		7.987	P161 (37-0)
		7.987	P 71 (31-0)
1104	18687.921	7.931	P 24 (30-0)
1105	18687.805	7.808	P 37 (37-2)
1106	18687.765	7.767	R 28 (30-0)
1107	18687.155	7.206	R 40 (37-2)
		7.145	P115 (33-0)
		7.151	P 25 (30-0)
		7.105	P142 (35-0)
1108	18687.003		
1109	18686.473	6.593	P 38 (37-2)
		6.472	R 29 (30-0)
1110	18686.352	6.359	P 39 (30-0)
		6.330	R171 (38-0)
1111	18686.257	6.240	R116 (35-0)
1112	18686.189	6.188	P130 (34-0)
1113	18685.901	5.905	R 41 (37-2)
1114	18685.810	5.816	R 75 (31-0)
		5.802	P 72 (31-0)
1115	18685.650	5.657	P100 (32-0)
		5.654	P 97 (32-0)
		5.648	R 30 (30-0)
1116	18685.523	5.524	P 27 (30-0)
1117	18685.410	5.412	R155 (36-0)
1118	18685.270	5.272	R100 (32-0)
1119	18685.200	5.205	P 39 (37-2)
1120	18684.795	4.795	P 31 (30-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
1121	18684.666	4.667	P 28 (30-0)
		4.624	R145 (35-0)
1122	18684.517	4.570	R 42 (37-2)
		4.520	R133 (34-0)
	18684.182		
1123	18683.913	3.913	R 32 (30-0)
	18683.855	3.854	P 40 (37-2)
1124	18683.781	3.781	P 29 (30-0)
1125	18683.589	3.600	R 76 (31-0)
		3.586	P 73 (31-0)
		3.585	R164 (37-0)
		3.559	P153 (36-0)
1126	18683.515	3.514	P116 (33-0)
1127	18683.284	3.282	R 43 (37-2)
1128	18683.001	3.002	R 33 (30-0)
1129	18682.865	2.866	P 30 (30-0)
1130	18682.619	2.619	P 98 (32-0)
1131	18682.544	2.543	R119 (33-0)
	18682.472	2.470	P 41 (37-2)
1132	18682.330	2.330	R134 (35-0)
		2.280	P102 (33-0)
1133	18682.225	2.226	R101 (32-0)
1134	18682.061	2.061	R 34 (30-0)
1135	18681.920	1.925	P131 (34-0)
		1.921	P 31 (30-0)
1136	18681.793	1.802	R 44 (37-2)
	18681.684		
1137	18681.340	1.351	R 77 (31-0)
		1.340	P 74 (31-0)
1138	18681.091	1.092	R 35 (30-0)
		1.053	P 42 (37-2)
1139	18680.947	0.948	P 32 (30-0)
1140	18680.818		
1141	18680.358	0.364	R 45 (37-2)
1142	18680.234	0.253	R134 (34-0)
1143	18680.048	0.149	R172 (38-0)
		0.125	R156 (36-0)
		0.093	R 36 (30-0)
1144	18679.946	9.946	P 33 (30-0)
1145	18679.847	9.816	R146 (35-0)
		9.801	P117 (33-0)



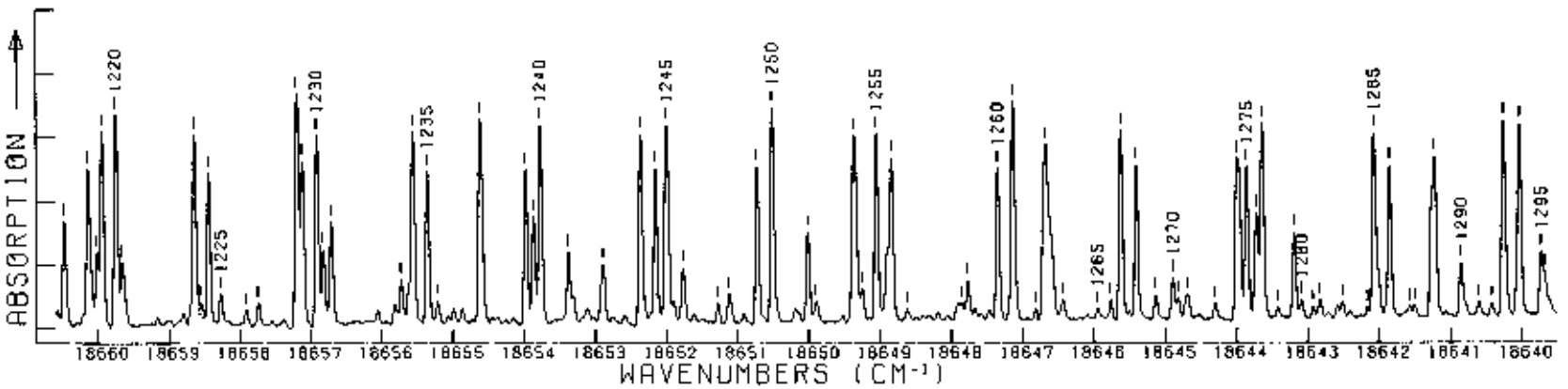
LINE	OBS CM-1	CALC	ASSIGNMENT
1141	18680.358	0.368	R 45 (37-2)
1142	18680.234	0.253	R134 (34-0)
1143	18680.094	0.149	R172 (36-0)
		0.125	R186 (35-0)
		0.093	R 36 (30-0)
1144	18679.946	0.948	P 35 (30-0)
1145	18679.802	9.816	R146 (35-0)
		9.801	P117 (33-0)
1146	18679.650	9.603	P 43 (37-2)
		9.551	P 99 (32-0)
	18679.484	9.469	P178 (38-0)
	18679.382		
1147	18679.148	9.149	R102 (32+0)
1148	18679.045	9.072	R 78 (31-0)
		9.065	R 37 (30-0)
		9.064	P 75 (31-0)
1149	18678.914	8.918	P 34 (30-0)
		8.901	R 46 (37-2)
1150	18678.814	8.814	R120 (33-0)
	18678.568		
1151	18678.396		
1152	18678.259	8.269	P154 (36-0)
	18678.123	8.120	P 44 (37-2)
1153	18678.087	8.088	R 38 (30-0)
1154	18677.883	7.854	P 35 (30-0)
		7.825	R165 (37-0)
1155	18677.628	7.629	P132 (34-0)
	18677.524	7.520	P144 (35-0)
1156	18677.399	7.401	R 47 (37-2)
1157	18676.922	6.922	P 39 (30-0)
1158	18676.761	6.765	P 36 (30-0)
		6.763	R 79 (31-0)
		6.758	P 76 (31-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
1159	18676.098	6.608	P 45 (37-2)
	18676.824	6.535	P163 (37-0)
1160	18676.452	6.469	P180 (32-0)
1161	18676.336		
1162	18676.043	6.056	P118 (33-0)
		6.031	R193 (32-0)
1163	18675.913	5.911	R135 (34-0)
		5.868	R 48 (37-2)
1164	18675.867	5.867	R 40 (36-0)
1165	18675.649	5.646	P 37 (30-0)
	18675.430		
1166	18675.060	5.056	P 46 (37-2)
		5.051	R121 (33-0)
1167	18674.969	4.972	R147 (35-0)
	18674.798	4.799	R197 (36-0)
1168	18674.662	4.662	R 41 (36-0)
1169	18674.497	4.498	P 38 (30-0)
1170	18674.491	4.425	R 80 (31-0)
		4.422	P 77 (31-0)
1171	18674.299	4.302	R 49 (37-2)
	18673.922	3.925	R173 (36-0)
1172	18673.487	3.469	R 42 (36-0)
		3.474	P 47 (37-2)
1173	18673.318	3.323	P101 (32-0)
		3.321	P 39 (36-0)
		3.298	P133 (34-0)
		3.295	R171 (36-0)
	18673.157		
1174	18672.884	2.949	P155 (36-0)
		2.900	R104 (32-0)
1175	18672.679	2.703	R 50 (37-2)
		2.674	P185 (35-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
	18672.473		
1176	18672.283	2.286	R 43 (36-0)
		2.278	P110 (35-0)
1177	18672.114	2.115	P 40 (36-0)
1178	18671.953	2.055	P 78 (31-0)
		2.053	R 81 (31-0)
		2.024	R166 (37-0)
	18671.920		
	18671.668	1.659	P 48 (37-2)
1179	18671.552	1.555	R136 (34-0)
1180	18671.254	1.255	R122 (33-0)
1181	18671.055	1.071	R 51 (37-2)
		1.054	R 44 (36-0)
1182	18670.880	0.880	P 41 (36-0)
	18670.736	0.736	P184 (37-0)
	18670.465		
1183	18670.260	0.212	P 49 (37-2)
		0.161	P102 (32-0)
	18670.098	0.091	R148 (35-0)
1184	18669.792	9.793	R 45 (36-0)
1185	18669.727	9.728	R105 (32-0)
1186	18669.646	9.658	P 79 (31-0)
		9.653	R 82 (31-0)
		9.616	P 42 (36-0)
	18669.410	9.435	R158 (36-0)
		9.405	R 52 (37-2)
	18669.051		
1187	18668.932	8.933	P134 (34-0)
1188	18668.500	8.531	P 50 (37-2)
		8.502	R 46 (36-0)
		8.467	P120 (33-0)
1189	18668.328	8.322	P 43 (36-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
1190	18667.794	7.791	P146 (35-0)
1191	18667.708	7.707	R 53 (37-2)
		7.659	R174 (38-0)
	18667.590	7.590	P156 (36-0)
1192	18667.425	7.426	R123 (33-0)
1193	18667.190	7.230	P 80 (31-0)
		7.222	R 83 (31-0)
		7.165	R 47 (30-0)
		7.160	R137 (34-0)
CALC	**********	7.051	P172 (38-0)
1194	18666.988	7.000	P 48 (30-0)
		6.967	P103 (32-0)
	18666.807	6.817	P 51 (37-2)
	18666.694		
1195	18666.522	6.524	R106 (32-0)
	18666.178	6.183	R167 (37-0)
1196	18665.975	5.975	R 54 (37-2)
1197	18665.833	5.839	R 85 (30-0)
1198	18665.647	5.646	P 45 (30-0)
	18665.177	5.174	R149 (35-0)
1199	18665.065	5.069	P 52 (37-2)
	18664.907	4.920	P185 (37-0)
1200	18664.765	4.772	P 81 (31-0)
		4.760	R 84 (31-0)
1201	18664.620	4.623	P121 (33-0)
1202	18664.531	4.534	P135 (34-0)
1203	18664.484	4.486	R 49 (30-0)
1204	18664.288	4.287	P 46 (30-0)
	18664.217	4.210	R 55 (37-2)
	18664.169		
	18664.029	4.033	R159 (36-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
1205	18663.740	3.782	P188 (38-0)
1206	18663.862	3.563	R124 (33-0)
1207	18663.285	3.289	P 53 (37-2)
		3.288	R107 (32-0)
1208	18663.048	3.048	R 50 (30-0)
1209	18662.857	2.873	P147 (35-0)
		2.857	P 47 (30-0)
1210	18662.738	2.738	R138 (34-0)
	18662.412	2.411	R 86 (37-2)
1211	18662.273	2.284	P 82 (31-0)
		2.268	R 85 (31-0)
1212	18662.192	2.194	P187 (36-0)
1213	18661.611	1.611	R 51 (30-0)
	18661.480	1.476	P 54 (37-2)
1214	18661.417	1.417	P 48 (30-0)
		1.350	R175 (36-0)
1215	18660.743	0.788	P173 (36-0)
		0.746	P122 (33-0)
	18660.579	0.580	R 57 (37-2)
1216	18660.483	0.486	P105 (32-0)
	18660.300	0.302	R154 (37-0)
	18660.220	0.221	R150 (35-0)
1217	18660.185	0.186	R 52 (30-0)
		0.100	P136 (34-0)
1218	18660.017	0.020	R108 (32-0)
1219	18659.948	9.949	P 49 (30-0)
1220	18659.755	9.765	P 83 (31-0)
		9.746	R 88 (31-0)
1221	18659.663	9.668	R185 (33-0)
		9.629	P 55 (37-2)



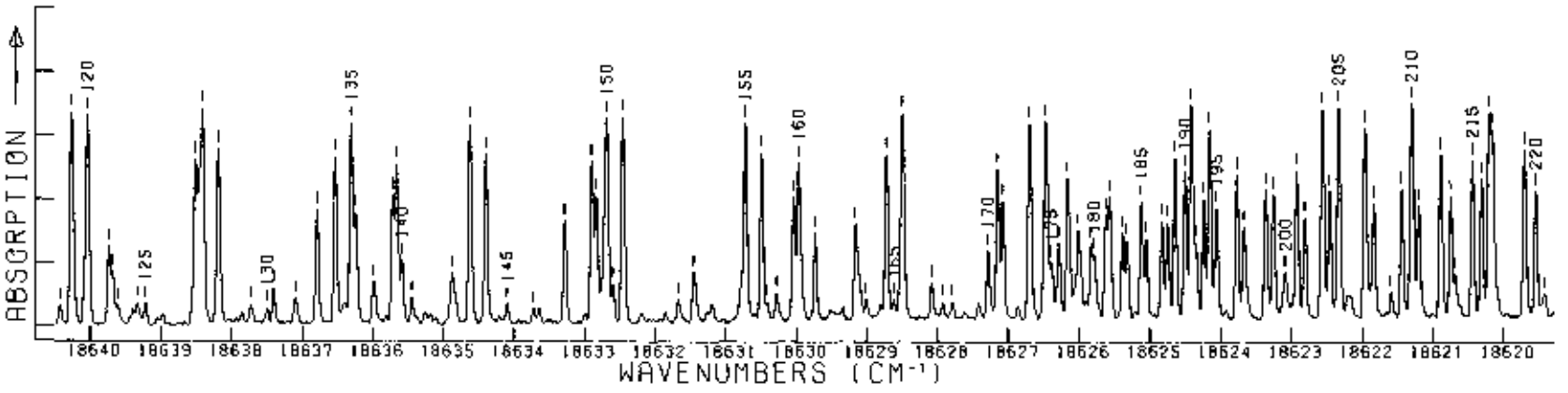
LINE	OBS CM-1	CALC	ASSIGNMENT
1216	18660.485	0.486	P105 (32-0)
	18660.300	0.302	R148 (37-0)
	18660.220	0.221	R109 (35-0)
1217	18660.145	0.145	R 52 (30-0)
		0.100	P136 (34-0)
1218	18660.017	0.020	R106 (32-0)
1219	18659.948	9.948	P 49 (30-0)
1220	18659.755	9.760	P 83 (31-0)
		9.746	R 86 (31-0)
1221	18659.663	9.666	R125 (33-0)
		9.620	P 55 (37-2)
	18659.187		
	18659.043	9.050	P166 (37-0)
	18658.992		
	18658.804		
1222	18658.688	8.715	R 96 (37-2)
		8.650	R 53 (30-0)
		8.692	R160 (36-0)
1223	18658.562	*****	ARTIFACT
1224	18658.449	8.451	P 96 (30-0)
1225	18658.277	8.278	R139 (34-0)
1226	18657.916	7.918	P146 (35-0)
1227	18657.746	7.749	P 96 (37-2)
	18657.567		
	18657.397		
1228	18657.199	7.216	P 44 (31-0)
		7.197	P106 (32-0)
		7.193	R 87 (31-0)
1229	18657.124	7.125	R 54 (30-0)
1230	18656.922	6.923	P 91 (30-0)
1231	18656.851	6.835	P123 (33-0)
		6.817	R 59 (37-2)
1232	18656.719	6.760	P158 (36-0)
		6.720	R109 (32-0)
	18656.072		
	18655.824	5.836	P 57 (37-2)
1233	18655.736	5.736	R126 (33-0)
	18655.628	5.631	P137 (34-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
1234	18655.079	5.571	R 35 (30-0)
1235	18655.366	5.367	P 52 (30-0)
1236	18655.226	5.231	R141 (35-0)
	18655.074		
	18655.000	4.998	R176 (34-0)
	18654.883	4.885	R 90 (37-2)
1237	18654.622	4.637	P 65 (31-0)
		4.609	P 98 (31-0)
CALC	**********	4.438	P174 (34-0)
	18654.379	4.380	R100 (37-0)
	18654.276	4.271	P 8 (36-2)
	18654.157	4.153	R 11 (36-2)
1238	18653.986	3.986	R 56 (30-0)
		3.941	P 9 (36-2)
1239	18653.876	3.890	P 58 (37-2)
		3.877	P107 (32-0)
1240	18653.780	3.811	R 12 (36-2)
		3.782	R148 (34-0)
		3.781	P 85 (30-0)
	18653.585	3.570	P 10 (36-2)
1241	18653.385	3.437	R 13 (36-2)
		3.389	R110 (32-0)
	18653.332		
	18653.110		
		3.188	P 11 (36-2)
		3.147	P167 (37-0)
		3.113	R161 (36-0)
	18653.033	3.031	R 14 (36-2)
1242	18652.897	2.907	P149 (35-0)
		2.900	R 61 (37-2)
		2.892	P128 (33-0)
	18652.764	2.758	R 12 (36-2)
	18652.597	2.583	R 15 (36-2)
1243	18652.373	2.378	R 57 (30-0)
	18652.313	2.300	P 13 (36-2)
1244	18652.184	2.166	P 84 (30-0)
		2.123	R 16 (36-2)
1245	18652.005	2.027	P 86 (31-0)
		1.995	R 89 (31-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
	18651.906	1.911	P 99 (37-2)
1246	18651.773	1.810	P 14 (36-2)
		1.776	R127 (33-0)
	18651.684	1.621	R 17 (36-2)
1247	18651.284	1.287	P 15 (36-2)
		1.247	P159 (36-0)
1248	18651.125	1.128	P136 (34-0)
		1.096	R 18 (36-2)
	18650.981	0.982	R 82 (37-2)
1249	18650.732	0.733	R 80 (30-0)
		0.733	P 16 (36-2)
1250	18650.520	0.525	P108 (32-0)
		0.502	P 86 (30-0)
		0.520	R 19 (36-2)
	18650.199	0.204	R152 (35-0)
	18650.154	0.146	P 17 (36-2)
1251	18650.020	0.028	R111 (32-0)
1252	18649.903	9.922	R 26 (36-2)
		9.898	P 60 (37-2)
	18649.530	9.528	P 18 (36-2)
1253	18649.369	9.346	P 87 (31-0)
		9.349	R 90 (31-0)
1254	18649.251	9.291	R 81 (36-2)
		9.251	R141 (34-0)
1255	18649.059	9.081	R 59 (30-0)
1256	18648.848	8.915	P125 (33-0)
		8.890	R 63 (37-2)
		8.678	P 19 (36-2)
		8.648	P 96 (30-0)
1257	18648.626	8.624	R 22 (36-2)
		8.603	R177 (34-0)
	18648.496		
	18648.411	8.418	R170 (37-0)
	18648.316		
	18648.196	8.195	P 20 (36-2)
	18648.063	8.067	P175 (34-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
	18647.905	7.934	R 23 (36-2)
		7.900	P150 (35-0)
1258	18647.850	7.852	P 61 (37-2)
1259	18647.778	7.779	R128 (33-0)
	18647.679		
	18647.590	7.598	R160 (36-0)
	18647.479	7.480	P 21 (36-2)
1260	18647.358	7.360	R 60 (30-0)
1261	18647.341	7.287	R 24 (36-2)
		7.201	P168 (37-0)
		7.196	P 57 (30-0)
		7.181	P109 (32-0)
1262	18646.825	6.825	R 64 (37-2)
1263	18646.681	6.734	P 22 (36-2)
		6.715	P 88 (31-0)
		6.674	R 91 (31-0)
		6.629	R112 (32-0)
		6.590	P139 (34-0)
1264	18646.443	6.448	R 25 (36-2)
1265	18645.957	5.955	P 23 (36-2)
1266	18645.771	5.776	P160 (36-0)
		5.772	P 62 (37-2)
1267	18645.688	5.657	R 26 (36-2)
		5.630	R 61 (30-0)
1268	18645.411	5.413	P 58 (30-0)
1269	18645.139	5.144	P 24 (36-2)
		5.140	R153 (35-0)
1270	18644.900	4.905	P126 (33-0)
1271	18644.827	4.833	R 27 (36-2)
1272	18644.691	4.720	R 65 (37-2)
		4.685	R142 (34-0)
1273	18644.308	4.301	P 28 (36-2)
1274	18643.999	4.013	P 66 (31-0)
		3.978	R 28 (36-2)
		3.967	R 92 (31-0)
1275	18643.847	3.870	R 62 (30-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
1276	18643.727	3.750	R129 (33-0)
		3.725	P110 (32-0)
1277	18643.648	3.659	P 63 (37-2)
		3.652	P 29 (36-2)
1278	18643.485	3.486	P 28 (36-2)
1279	18643.197	3.201	R113 (32-0)
1280	18643.092	3.090	R 29 (36-2)
1281	18642.931		
1282	18642.838	2.836	P151 (35-0)
	18642.711		
	18642.587	2.594	R 66 (37-2)
1283	18642.520	2.519	P 27 (36-2)
	18642.411	2.415	R171 (37-0)
1284	18642.368	2.171	R 30 (36-2)
		2.166	R178 (34-0)
1285	18642.078	2.081	R 63 (30-0)
		2.039	R163 (36-0)
		2.017	P140 (34-0)
1286	18641.888	1.861	P 60 (30-0)
1287	18641.577	1.579	P 88 (36-2)
1288	18641.508	1.513	P 64 (37-2)
1289	18641.429	1.281	P 90 (31-0)
		1.230	R 93 (31-0)
		1.219	R 31 (36-2)
		1.214	P169 (37-0)
1290	18640.656	0.661	P127 (33-0)
1291	18640.605	0.608	P 29 (36-2)
1292	18640.424	0.428	R 67 (37-2)
1293	18640.282	0.277	P111 (32-0)
		0.262	R 64 (30-0)
		0.235	R 32 (36-2)
		0.227	P161 (36-0)
	18640.037	0.084	R143 (34-0)
		0.060	P 61 (30-0)
		0.040	R179 (36-0)
1295	18639.738	9.741	R114 (32-0)
1296	18639.687	9.686	R130 (33-0)
	18639.614	9.604	P 30 (36-2)



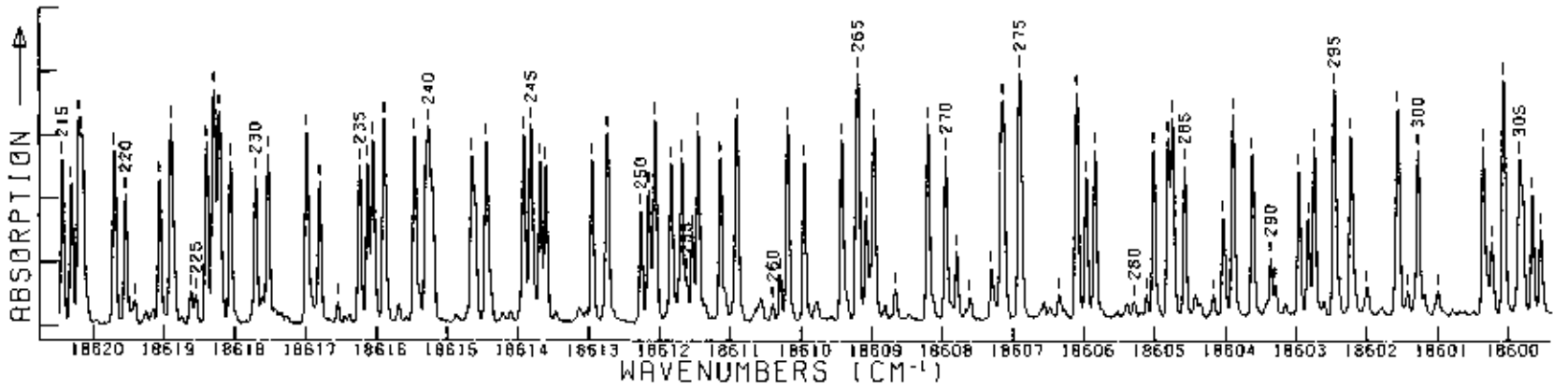
LINE	OBS CM-1	CALC	ASSIGNMENT
118	18640.928	0.428	R 67 (37-2)
119	18640.866	0.277	P111 (38-0)
		0.262	R 64 (38-0)
		0.235	R 32 (36-2)
		0.227	P161 (36-0)
120	18640.041	0.086	R143 (34-0)
		0.048	P 61 (38-0)
		0.048	R154 (35-0)
121	18639.790	9.781	R114 (38-0)
122	18639.690	9.686	R130 (35-0)
123	18639.632	9.604	P 30 (36-2)
	18639.394		
124	18639.337	9.334	P 45 (37-2)
125	18639.223	9.218	R 33 (36-2)
	18639.055		
	18638.976		
126	18638.517	8.568	P 31 (36-2)
		8.518	P 91 (34-0)
127	18638.416	8.482	R 94 (31-0)
		8.414	R 65 (38-0)
128	18638.192	8.229	R 68 (37-2)
		8.190	P 82 (38-0)
		8.178	R 34 (36-2)
	18638.038		
	18637.939		
	18637.855		
129	18637.730	7.736	P152 (35-0)
130	18637.503	7.500	P 32 (36-2)
131	18637.411	7.408	P141 (34-0)
132	18637.100	7.121	P 66 (37-2)
		7.080	R 35 (36-2)
133	18636.793	6.798	P112 (32-0)
		6.745	P128 (33-0)
134	18636.537	6.856	R 66 (38-0)
	18636.400	6.484	R164 (36-0)
		6.400	P 33 (36-2)
		6.370	R172 (37-0)
135	18636.313	6.311	P 63 (38-0)
136	18636.249	6.240	R115 (32-0)
137	18636.991	5.986	R 69 (37-2)
		5.978	R 36 (36-2)

LINE	OBS CM-1	CALC	ASSIGNMENT
		18635.811	
138	18635.722	8.725	P 92 (31-0)
139	18635.666	5.663	R 95 (31-0)
140	18635.594	5.589	R131 (33-0)
141	18635.481	5.448	R144 (34-0)
		18635.266	5.286 P 54 (36-2)
		18635.188	5.187 P170 (37-0)
142	18634.882	4.902	R155 (35-0)
		4.874	P 47 (37-2)
		4.839	R 37 (36-2)
143	18634.629	4.640	P162 (36-0)
		4.588	R 67 (38-0)
144	18634.404	4.402	P 94 (38-0)
145	18634.104	4.103	P 35 (36-2)
146	18633.733	3.729	R 70 (37-2)
		18633.682	3.653 R 38 (36-2)
147	18633.266	3.286	P113 (32-0)
		18632.997	
148	18632.901	2.907	P 56 (38-2)
		2.901	P 95 (31-0)
149	18632.838	2.834	R 96 (31-0)
150	18632.692	2.766	P142 (34-0)
		2.725	A116 (32-0)
		2.691	R 68 (38-0)
		2.673	P129 (33-0)
151	18632.099	2.599	P153 (35-0)
		2.594	P 68 (37-2)
152	18632.464	2.498	P 45 (38-0)
		2.443	R 39 (36-2)
	18632.201		
	18631.861		
153	18631.677	1.678	P 37 (36-2)
154	18631.456	1.489	R132 (33-0)
		1.429	R 71 (37-2)
	18631.267		
	18631.197	1.200	R 40 (36-2)
155	18630.725	0.809	R165 (36-0)
		0.777	R145 (34-0)
		0.725	R 69 (38-0)
156	18630.498	0.497	P 86 (38-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
157	18630.320	0.416	P 35 (36-2)
158	18630.262	0.285	R173 (37-0)
		0.281	P 69 (37-2)
159	18630.045	0.096	P 96 (31-0)
160	18629.974	9.973	R 97 (31-0)
		9.920	A 41 (36-2)
		9.743	P119 (32-0)
161	18629.740	9.743	P119 (32-0)
		9.728	R156 (35-0)
162	18629.167	9.168	R117 (32-0)
		9.123	P 38 (36-2)
		9.119	P171 (37-0)
		9.046	R 72 (37-2)
163	18629.019	9.014	P163 (36-0)
	18628.811		
164	18628.734	8.729	P 70 (38-0)
165	18628.621	8.619	R 42 (36-2)
166	18628.581	8.531	P130 (33-0)
		8.500	P 67 (38-0)
167	18628.092	8.089	R143 (34-0)
168	18627.935	7.934	P 70 (37-2)
169	18627.799	7.797	P 40 (36-2)
	18627.618		
	18627.424	7.425	P154 (35-0)
170	18627.293	7.294	R133 (33-0)
		7.280	R 43 (36-2)
171	18627.159	7.160	P 98 (31-0)
172	18627.083	7.082	P 98 (31-0)
	18626.870		
173	18626.784	6.728	R 73 (37-2)
		6.703	R 71 (38-0)
174	18626.473	6.509	R 1 (26-0)
		6.499	R 2 (29-0)
		6.491	R 0 (29-0)
		6.473	P 68 (38-0)
		6.460	R 3 (29-0)
		6.439	P 41 (36-2)
175	18626.396	6.362	R 4 (29-0)
		6.371	P 1 (29-0)
176	18626.299	6.296	R 5 (29-0)
		6.267	P 2 (29-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
177	18626.167	6.172	R 6 (29-0)
		6.167	P115 (32-0)
		6.134	P 3 (29-0)
178	18626.038	6.078	R146 (34-0)
		6.019	R 7 (29-0)
		5.976	P 9 (29-0)
	18625.906	5.908	R 44 (36-2)
179	18625.837	5.838	R 8 (29-0)
180	18625.793	5.788	P 5 (29-0)
181	18625.628	5.629	R 9 (29-0)
182	18625.575	5.579	R118 (32-0)
		5.571	P 6 (29-0)
		5.555	P 71 (37-2)
183	18625.391	5.391	R 10 (29-0)
184	18625.327	5.324	P 7 (29-0)
	18625.211		
	18625.126	18622.172	
185		0.136	R166 (36-0)
		18622.066	0.041 P 11 (29-0)
186	18625.054	5.063	P 8 (29-0)
		5.048	P 42 (36-2)
187	18624.631	4.636	R 12 (29-0)
188	18624.752	4.751	P 9 (29-0)
189	18624.649	4.648	A 78 (38-0)
190	18624.567	4.517	R157 (35-0)
		4.507	R 13 (29-0)
		4.500	R 45 (36-2)
191	18624.417	4.421	P 10 (29-0)
		4.417	P 69 (38-0)
192	18624.360	4.354	P131 (33-0)
		4.327	R 74 (37-2)
193	18624.242	4.244	P 98 (31-0)
194	18624.158	4.160	R 98 (31-0)
		4.154	R174 (37-0)
		4.155	P 14 (29-0)
195	18624.083	4.062	P 11 (29-0)
	18623.951		
196	18623.775	3.775	R 15 (29-0)
197	18623.676	3.675	P 12 (29-0)
		3.626	P 43 (36-2)

LINE	OBS CM-1	CALC	ASSIGNMENT
198	18623.368	3.376	P144 (34-0)
		3.367	R 16 (29-0)
		3.350	P164 (36-0)
199	18623.260	3.259	P 13 (29-0)
200	18623.095	3.134	P 72 (37-2)
		3.096	R134 (33-0)
		3.084	R 46 (36-2)
CALC	********	3.011	P172 (37-0)
201	18622.930	2.930	R 17 (29-0)
202	18622.815	2.815	P 14 (29-0)
203	18622.563	2.563	R 73 (38-0)
		2.550	P116 (32-0)
204	18622.485	2.464	R 18 (29-0)
205	18622.336	2.343	P 15 (29-0)
		2.331	P 78 (38-0)
	18622.172	2.214	P155 (35-0)
		2.171	P 44 (36-2)
206	18621.966	1.971	R 19 (29-0)
		1.958	R119 (32-0)
207	18621.842	1.852	R 76 (37-2)
		1.842	P 16 (29-0)
208	18621.598	1.599	R 47 (36-2)
209	18621.449	1.446	R 20 (29-0)
210	18621.305	1.327	R147 (34-0)
		1.313	P 17 (29-0)
		1.297	P 97 (31-0)
211	18621.209	1.206	R100 (31-0)
212	18620.898	0.898	R 21 (29-0)
213	18620.755	0.795	P 18 (29-0)
214	18620.688	0.691	P 73 (37-2)
		0.683	P 45 (36-2)
215	18620.498	0.498	R 74 (38-0)
216	18620.314	0.318	R 22 (29-0)
217	18620.214	0.216	P 71 (38-0)
218	18620.172	0.169	P 19 (29-0)
		0.143	P132 (33-0)
		0.097	R 48 (36-2)
219	18619.712	9.711	R 23 (29-0)
220	18619.554	9.555	P 20 (29-0)
221	18619.426	9.424	R167 (36-0)
		9.423	R 76 (37-2)



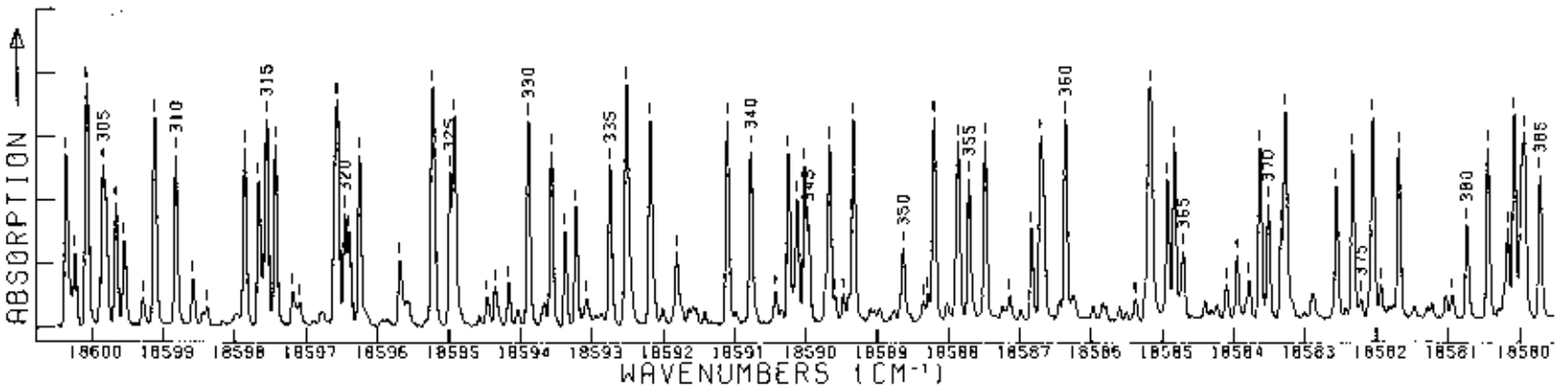
LINE	OBS CM-1	CALC	ASSIGNMENT
215	18620.448	0.448	R 79 (30-0)
216	18620.318	0.318	R 22 (29-0)
217	18620.214	0.216	P 71 (30-0)
218	18620.172	0.169	P 19 (29-0)
		0.143	P132 (33-0)
		0.097	R 94 (36-2)
219	18619.732	9.711	R 23 (29-0)
220	18619.584	9.555	P 20 (29-0)
221	18619.426	9.424	R167 (36-0)
		9.423	R 76 (37-2)
	18619.270	9.268	R150 (35-0)
	18619.265	9.154	P 96 (36-2)
222	18619.074	9.075	R 29 (29-0)
223	18618.913	8.919	P117 (32-0)
		8.912	P 21 (29-0)
		8.864	R135 (33-0)
	18618.751		
224	18618.593	8.628	P198 (34-0)
225	18618.561	8.584	R 99 (36-2)
226	18618.411	8.410	R 20 (29-0)
227	18618.387	8.319	P 98 (31-0)
		8.304	A120 (32-0)
		8.303	R 75 (30-0)
228	18618.231	8.230	P 22 (29-0)
		8.222	R101 (31-0)
		8.218	P 74 (37-2)
229	18618.071	8.071	P 72 (30-0)
		7.991	R178 (37-0)
230	18617.717	7.717	R 26 (29-0)
	18617.615	7.647	P165 (36-0)
		7.611	P 97 (35-2)
231	18617.841	7.540	P 23 (29-0)
232	18616.995	6.997	R 50 (36-2)
		6.995	R 27 (29-0)
		6.967	P156 (35-0)
		6.981	R 97 (37-2)
233	18616.812	6.862	P173 (37-0)
		6.812	P 24 (29-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
234	18616.664	6.549	R148 (34-0)
	18616.450		
	18616.382		
235	18616.296	6.245	R 28 (29-0)
236	18616.131	6.129	R 76 (30-0)
237	18616.054	6.050	P 28 (29-0)
		6.027	P 48 (36-2)
238	18615.898	5.899	P133 (33-0)
		5.897	P 73 (30-0)
	18615.689	5.695	P 75 (37-2)
239	18615.466	5.466	R 29 (29-0)
		5.398	R 51 (36-2)
240	18615.270	5.310	P 99 (31-0)
		5.270	P 28 (29-0)
241	18615.213	5.247	P118 (32-0)
		5.207	R183 (31-0)
242	18614.658	4.659	R 30 (29-0)
		4.618	R121 (32-0)
		4.598	R136 (33-0)
243	18614.456	4.456	P 27 (29-0)
		4.410	P 49 (36-2)
		4.398	R 78 (37-2)
	18614.229		
	18614.111		
244	18613.926	3.982	R189 (35-0)
		3.926	R 77 (30-0)
245	18613.824	3.848	P146 (34-0)
		3.634	R 51 (29-0)
		3.767	R 52 (36-2)
246	18613.683	3.693	P 74 (30-0)
		3.672	R165 (36-0)
247	18613.614	3.614	P 26 (29-0)
	18613.467		
	18613.141	3.146	P 76 (37-2)
	18613.041		
248	18612.959	2.959	R 32 (29-0)
249	18612.743	2.760	P 50 (36-2)
		2.743	P 29 (29-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
250	18612.270	2.270	P180 (31-0)
251	18612.168	2.161	R103 (31-0)
		2.105	R 53 (36-2)
252	18612.069	2.067	R 33 (29-0)
253	18611.843	1.905	P166 (36-0)
		1.884	P 30 (29-0)
		1.814	R 79 (37-2)
		1.782	R176 (37-0)
254	18611.692	1.736	R149 (34-0)
		1.692	R 78 (30-0)
		1.643	P197 (35-0)
255	18611.627	1.621	P134 (33-0)
256	18611.542	1.543	R119 (32-0)
257	18611.489	1.459	P 75 (30-0)
	18611.362		
258	18611.146	1.148	R 54 (29-0)
		1.079	P 51 (36-2)
259	18610.913	0.916	P 31 (29-0)
		0.900	R122 (32-0)
CALC	**********	0.672	P178 (37-0)
	18610.569	0.544	P 77 (37-2)
260	18610.407	0.487	R 54 (36-2)
261	18610.301	0.298	R137 (33-0)
262	18610.195	0.196	R 35 (29-0)
263	18609.989	9.959	P 32 (29-0)
	18609.785		
264	18609.629	9.626	R 79 (30-0)
		9.364	P 52 (36-2)
265	18609.204	9.217	R 36 (29-0)
		9.210	R 80 (37-2)
		9.080	P101 (31-0)
		9.196	P 76 (30-0)
266	18609.089	9.043	R108 (31-0)
		9.026	P147 (34-0)
267	18608.974	8.978	P 33 (29-0)
	18608.820		
268	18608.671	8.678	R 55 (36-2)
		8.659	R160 (35-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
269	18608.211	8.210	R 37 (29-0)
270	18607.960	7.961	P 34 (29-0)
		7.947	P 78 (37-2)
		7.841	R169 (36-0)
271	18607.805	7.806	P120 (32-0)
	18607.677		
272	18607.616	7.617	P 53 (36-2)
273	18607.312	7.309	P135 (33-0)
274	18607.150	7.175	R 38 (29-0)
		7.149	R125 (32-0)
		7.135	P 80 (30-0)
275	18606.910	6.919	P 35 (29-0)
		6.916	R 86 (36-2)
		6.903	P 77 (30-0)
		6.887	R150 (34-0)
	18606.673	6.672	R 81 (37-2)
	18606.490		
276	18606.358	6.360	P150 (35-0)
277	18606.107	6.124	P167 (36-0)
		6.110	R 39 (29-0)
		6.098	P102 (31-0)
278	18605.974	5.975	R105 (31-0)
		5.963	R130 (33-0)
279	18605.849	5.849	P 36 (29-0)
		5.834	P 54 (36-2)
CALC	**********	5.551	R177 (37-0)
	18605.396		
280	18605.298	5.297	P 79 (37-2)
281	18605.125	5.128	R 57 (36-2)
282	18605.017	5.018	R 40 (29-0)
283	18604.812	4.812	R 81 (30-0)
284	18604.750	4.750	P 37 (29-0)
285	18604.581	4.580	P 78 (30-0)
	18604.426	4.441	P175 (37-0)
	18604.355		
286	18604.177	4.173	P146 (34-0)
287	18604.035	4.037	P121 (32-0)
		4.026	P 55 (36-2)

LINE	OBS CM-1	CALC	ASSIGNMENT
288	18603.896	3.899	R 82 (37-2)
		3.866	R 41 (29-0)
289	18603.622	3.623	P 38 (29-0)
290	18603.366	3.368	P124 (32-0)
291	18603.298	3.296	R181 (35-0)
		3.295	R 58 (36-2)
	18603.186		
292	18602.966	2.966	P103 (31-0)
		2.964	P136 (33-0)
293	18602.834	2.835	R106 (31-0)
294	18602.746	2.746	R 42 (29-0)
	18602.636	2.613	P 80 (37-2)
295	18602.463	2.467	P 39 (29-0)
		2.459	R 82 (30-0)
296	18602.228	2.227	P 79 (30-0)
		2.182	P 56 (36-2)
297	18602.004	2.001	R170 (36-0)
		2.002	R151 (34-0)
	18601.792		
298	18601.568	1.585	R139 (33-0)
		1.568	R 43 (29-0)
299	18601.435	1.436	R 59 (36-2)
300	18601.282	1.298	P 40 (29-0)
	18401.195	1.193	R 83 (37-2)
301	18601.008	1.004	P139 (33-0)
302	18600.361	0.360	P 80 (29-0)
		0.305	P 57 (36-2)
		0.304	P152 (34-0)
303	18600.236	0.235	P122 (32-0)
304	18600.071	0.077	P 83 (30-0)
		0.069	P 41 (29-0)
305	18599.844	9.893	P 81 (37-2)
		9.882	P104 (31-0)
306	18599.664	9.664	R107 (31-0)
307	18599.547	9.549	R125 (32-0)
		9.544	R 44 (36-2)



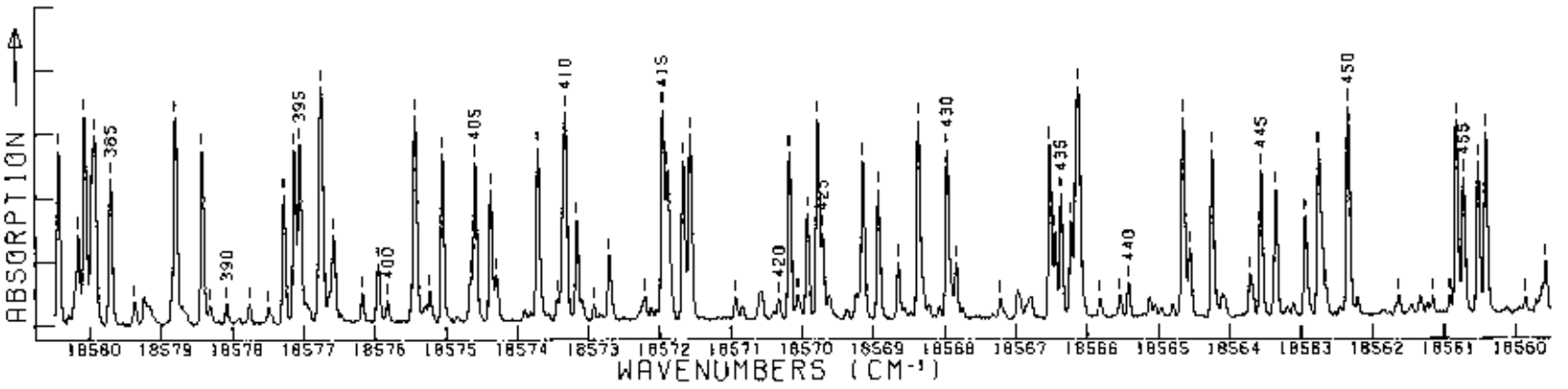
LINE	OBS CM-1	CALC	ASSIGNMENT
302	18600.362	0.340	R 44 (29-0)
		0.305	P 57 (56-2)
		0.304	P168 (36-0)
303	18600.236	0.236	P122 (32-0)
304	18600.071	0.077	R 43 (30-0)
		0.069	P 41 (29-0)
305	18599.849	9.895	P 81 (37-2)
		9.895	P 80 (36-0)
		9.882	P104 (31-0)
306	18599.604	9.664	R107 (31-0)
307	18599.547	9.549	R125 (32-0)
		9.544	R 80 (36-2)
308	18599.268	9.243	P149 (34-0)
309	18599.125	9.124	R 45 (29-0)
310	18598.827	8.827	P 42 (29-0)
311	18598.586	8.585	P137 (33-0)
	18598.485	8.483	R 44 (37-2)
312	18598.394	8.395	P 56 (36-2)
	18598.167	8.169	P176 (37-0)
	18597.975		
313	18597.861	7.906	R162 (35-0)
		7.866	R 46 (29-0)
314	18597.664	7.664	R 89 (30-0)
		7.619	R 81 (36-2)
315	18597.557	7.556	P 43 (29-0)
316	18597.433	7.433	P 81 (30-0)
317	18597.145	7.145	R149 (33-0)
318	18597.094	7.104	P 82 (37-2)
		7.082	R152 (34-0)
	18596.900		
	18596.778		
319	18596.571	6.608	P105 (31-0)
		6.586	R 47 (29-0)
320	18596.460	6.462	R108 (31-0)
		6.453	P 79 (36-2)
321	18596.402	6.402	P123 (32-0)
322	18596.297	6.297	P 44 (29-0)
	18596.182	6.181	R171 (36-0)
	18595.983		
	18595.871	5.866	R 90 (35-2)

LINE	OBS CM-1	CALC	ASSIGNMENT
323	18595.699	5.708	P126 (32-0)
		5.679	R 85 (37-2)
		5.661	R 82 (36-2)
	18595.591	5.606	P160 (35-0)
		5.563	R 11 (35-2)
324	18595.252	5.248	R 46 (29-0)
		5.229	R 12 (35-2)
		5.221	R 85 (36-0)
325	18594.991	4.992	P 82 (30-0)
326	18594.929	4.930	P 45 (29-0)
		4.864	R 13 (35-2)
	18594.581	4.579	P 11 (35-2)
327	18594.471	4.478	P 88 (36-2)
		4.467	R 14 (35-2)
		4.445	P169 (36-0)
328	18594.362	4.358	P158 (34-0)
		4.356	P 85 (37-2)
329	18594.171	4.171	P138 (33-0)
		4.159	P 12 (35-2)
	18594.043	4.039	R 15 (35-2)
330	18593.894	3.884	R 49 (29-0)
	18593.675	3.708	P 13 (35-2)
		3.670	R 63 (36-2)
331	18593.573	3.579	R 16 (35-2)
		3.573	P 46 (29-0)
	18593.361	3.382	P106 (31-0)
332	18593.228	3.229	R109 (31-0)
		3.226	P 14 (35-2)
333	18593.068	3.064	R 17 (35-2)
	18592.949		
	18592.671	2.670	R 86 (37-2)
334	18592.751	2.756	R141 (33-0)
		2.749	R 48 (30-0)
		2.712	P 15 (35-2)
335	18592.518	2.568	R 18 (35-2)
		2.536	P124 (32-0)
		2.520	P 83 (30-0)
		2.514	R 80 (29-0)
		2.471	P 81 (36-2)
		2.464	R163 (35-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
337	18592.188	2.188	P 47 (29-0)
		2.167	P 16 (35-2)
		2.125	R153 (34-0)
	18592.012	2.031	R 19 (35-2)
338	18591.819	1.856	P177 (37-0)
		1.819	R127 (32-0)
	18591.644	1.647	R 84 (36-2)
	18591.587	1.590	P 17 (35-2)
	18591.544	1.538	P 86 (37-2)
	18591.425	1.426	R 20 (35-2)
339	18591.108	1.106	R 51 (29-0)
	18590.984	0.982	P 18 (35-2)
340	18590.775	0.689	R 21 (35-2)
		0.678	P 48 (29-0)
341	18590.429	0.430	P 62 (36-2)
	18590.349	0.343	P 19 (35-2)
342	18590.248	0.271	R172 (36-0)
		0.267	R 87 (30-0)
343	18590.128	0.176	P161 (35-0)
		0.140	R 22 (35-2)
		0.126	P107 (31-0)
344	18590.019	0.027	R 87 (37-2)
		0.010	P 49 (30-0)
345	18589.966	9.964	R110 (31-0)
346	18589.869	9.724	P139 (33-0)
		9.672	P 20 (35-2)
		9.649	R 52 (29-0)
347	18589.585	9.591	R 88 (36-2)
348	18589.481	9.481	R 23 (35-2)
	18589.400	9.384	P151 (34-0)
349	18589.333	9.332	P 89 (29-0)
	18589.196		
	18589.048		
	18588.970	8.970	P 21 (35-2)
	18588.769	8.769	R 24 (35-2)
350	18588.638	8.644	P 87 (37-2)
		8.638	P125 (32-0)
	18588.502	8.547	P170 (36-0)
351	18588.358	8.358	P 63 (36-2)

LINE	OBS CM-1	CALC	ASSIGNMENT
352	18588.291	8.286	R142 (33-0)
353	18588.204	8.236	P 22 (35-2)
		8.204	R 53 (29-0)
	18588.022	8.026	R 25 (35-2)
354	18587.863	7.904	R128 (32-0)
		7.861	P 50 (29-0)
355	18587.713	7.714	R 88 (30-0)
356	18587.487	7.562	R 66 (36-2)
		7.487	P 85 (30-0)
		7.471	P 23 (35-2)
	18587.249	7.252	R 26 (35-2)
357	18587.143	7.150	R 89 (37-2)
		7.133	R154 (34-0)
	18586.988	6.990	R164 (35-0)
358	18586.837	6.838	P108 (31-0)
359	18586.707	6.709	R 54 (29-0)
		6.674	P 24 (35-2)
		6.648	R111 (31-0)
	18586.444	6.446	R 27 (35-2)
360	18586.361	6.362	P 51 (29-0)
	18586.246	6.252	P 64 (36-2)
	18585.978		
	18585.844	5.846	P 25 (35-2)
	18585.748	5.797	P 88 (37-2)
	18585.606	5.608	R 28 (35-2)
	18585.506	5.501	P178 (37-0)
361	18585.382	5.381	R 57 (36-2)
362	18585.174	5.295	P140 (33-0)
		5.186	R 55 (29-0)
		5.152	R 90 (30-0)
363	18584.926	4.984	P 26 (35-2)
		4.926	P 86 (30-0)
364	18584.833	4.833	P 52 (29-0)
365	18584.709	4.739	R 29 (35-2)
		4.707	P126 (32-0)
		4.706	P162 (35-0)
	18584.405	4.403	P182 (36-0)
	18584.321	4.322	R173 (36-0)
	18584.240	4.234	R 89 (37-2)

LINE	OBS CM-1	CALC	ASSIGNMENT
366	18584.184	4.114	P 65 (36-2)
		4.098	P 27 (35-2)
367	18583.958	3.957	R189 (32-0)
368	18583.788	3.638	R 30 (35-2)
		3.781	R143 (33-0)
369	18583.634	3.634	R 56 (29-0)
370	18583.518	3.514	P109 (31-0)
371	18583.348	3.341	R112 (31-0)
372	18583.276	3.276	P 53 (29-0)
		3.220	R 68 (36-2)
		3.172	P 28 (35-2)
	18582.891	2.907	R 31 (35-2)
		2.875	P 87 (37-2)
373	18582.566	2.559	R 90 (30-0)
374	18582.334	2.335	P 87 (30-0)
375	18582.221	2.218	P 29 (35-2)
376	18582.053	2.100	R153 (34-0)
		2.054	R 57 (29-0)
377	18581.941	1.943	R 32 (35-2)
		1.942	P 66 (36-2)
378	18581.691	1.691	P 54 (29-0)
	18581.477	1.479	R165 (35-0)
	18881.294	1.294	R 90 (37-2)
	18581.231	1.230	P 30 (35-2)
	18581.038	1.038	R 69 (36-2)
379	18580.949	0.948	R 33 (35-2)
380	18580.739	0.743	R127 (32-0)
		0.728	P141 (33-0)
381	18580.445	0.444	R 58 (29-0)
382	18580.189	0.215	P 31 (35-2)
		0.169	R110 (31-0)
383	18580.076	0.076	P 55 (29-0)
384	18579.938	9.982	R113 (31-0)
		9.977	R130 (32-0)
		9.957	R 91 (30-0)
		9.921	P 31 (35-2)
		9.910	P 88 (37-2)
385	18579.714	9.738	P 67 (36-2)
		9.714	P 88 (30-0)



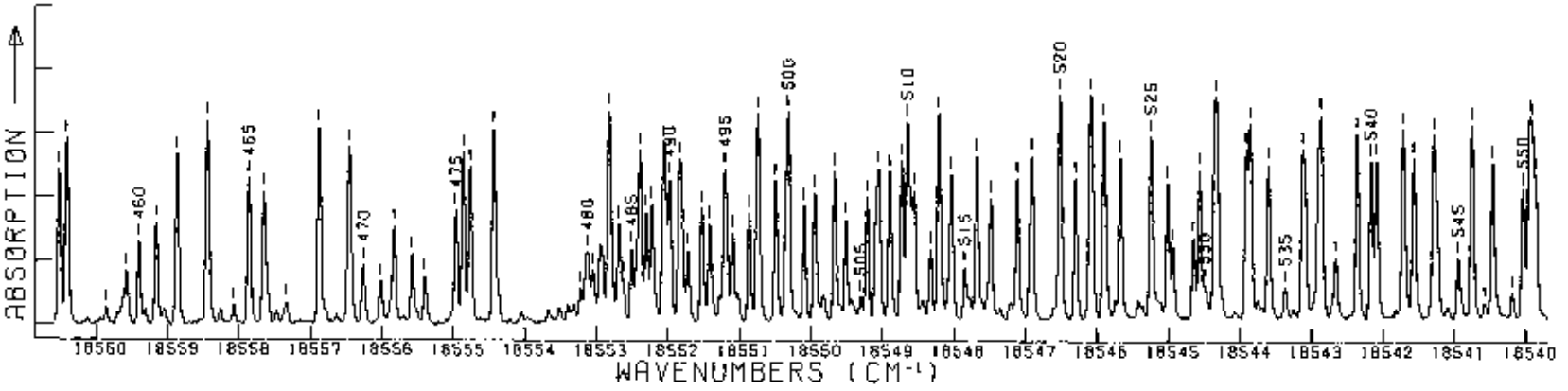
LINE	OBS CM-1	CALC	ASSIGNMENT
381	18580.445	0.445	R 58 (29-0)
382	18580.169	0.215	P 31 (35-2)
		0.169	P110 (31-0)
383	18580.076	0.076	P 55 (28-0)
384	18579.958	9.982	R113 (31-0)
		9.977	R130 (32-0)
		9.937	P 91 (30-0)
		9.921	R 34 (35-2)
		9.919	P 46 (37-2)
385	18579.714	9.738	P 67 (36-2)
		9.714	P 88 (30-0)
386	18579.377	9.371	P153 (34-0)
	18579.280	9.241	R144 (33-0)
	18579.176	9.198	P143 (35-0)
		9.146	P 32 (35-2)
387	18576.806	8.862	R 35 (35-2)
		8.818	R 70 (30-0)
		8.806	R 59 (29-0)
388	18578.432	8.433	P 56 (29-0)
389	18578.321	8.333	R178 (34-0)
		8.314	R 91 (37-2)
390	18578.084	8.088	P 33 (35-2)
391	18577.766	7.773	R 36 (35-2)
392	18577.497	7.502	P 68 (36-2)
393	18577.283	7.284	R 92 (30-0)
394	18577.137	7.138	R 60 (29-0)
395	18577.069	7.068	P 89 (30-0)
		7.040	R156 (34-0)
	18576.969	6.974	P 34 (35-2)
	18576.938	6.934	P 89 (37-2)
396	18576.764	6.747	P111 (31-0)
		6.761	P 57 (29-0)
		6.747	P128 (32-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
397	18576.596	6.650	R 37 (35-2)
		6.592	R114 (31-0)
		6.584	R 71 (36-2)
398	18576.181	6.179	P142 (33-0)
399	18575.963	5.964	R131 (32-0)
		5.929	R166 (33-0)
400	18575.829	5.830	P 35 (35-2)
401	18575.692	5.697	R 38 (35-2)
		5.682	R 61 (28-0)
	18575.305	5.306	R 92 (37-2)
402	18575.235	5.238	P 69 (36-2)
403	18575.068	5.060	P 58 (29-0)
404	18574.965	4.967	R145 (33-0)
		4.695	P 36 (35-2)
405	18574.601	4.601	R 93 (36-0)
406	18574.583	4.583	P 90 (30-0)
407	18574.365	4.312	R 39 (35-2)
		4.304	P154 (34-0)
		4.278	R 72 (35-2)
	18573.904	3.884	P 90 (37-2)
	18573.828		
408	18573.718	3.717	R 62 (29-0)
		3.654	P164 (35-0)
409	18573.445	3.444	P 37 (35-2)
410	18573.351	3.375	P118 (31-0)
		3.350	P 59 (29-0)
411	18573.170	3.171	R115 (31-0)
	18573.093	3.095	R 40 (35-2)
412	18572.931	2.930	P 70 (36-2)
413	18572.717	2.718	P129 (32-0)
414	18572.213	2.304	R175 (36-0)
		2.281	R 93 (37-2)
		2.210	P 38 (35-2)
	18572.127		
	18572.050		

LINE	OBS CM-1	CALC	ASSIGNMENT
415	18571.961	1.963	R 63 (29-0)
		1.959	R 73 (36-2)
		1.940	R157 (34-0)
416	18571.892	1.919	R132 (32-0)
		1.888	R 94 (30-0)
		1.867	R 41 (35-2)
417	18571.672	1.678	P 91 (30-0)
418	18571.574	1.595	P183 (33-0)
		1.572	P 60 (29-0)
419	18570.941	0.940	P 39 (35-2)
	18570.845	0.846	P 91 (37-2)
	18570.583	0.594	P 73 (36-2)
		0.566	R 42 (35-2)
	18570.481		
420	18570.331	0.342	R167 (35-0)
421	18570.181	0.181	R 64 (29-0)
422	18570.086	0.089	R146 (33-0)
423	18569.930	0.031	P113 (31-0)
424	18569.709	9.784	P 61 (29-0)
425	18569.719	9.716	P116 (31-0)
	18569.624	0.638	P 40 (35-2)
		9.606	R 74 (36-2)
	18569.376		
CALC	*********	9.255	R 43 (35-2)
CALC	*********	9.201	P155 (34-0)
426	18569.146	9.168	P 94 (37-2)
		9.145	P 95 (30-0)
427	18568.958	8.931	P 92 (30-0)
428	18568.654	8.656	P139 (32-0)
	18568.569		
	18568.471		
429	18568.348	8.369	R 65 (29-0)
		8.305	P 41 (35-2)
	18568.227	8.228	P 72 (36-2)

LINE	OBS CM-1	CALC	ASSIGNMENT
	18568.076	8.071	P165 (35-0)
430	18567.969	7.968	P 62 (29-0)
		7.911	R 44 (35-2)
431	18567.891	7.840	R133 (32-0)
	18567.751	7.753	P 92 (37-2)
432	18567.282	7.221	R 78 (36-2)
	18566.976	6.977	P144 (33-0)
		6.940	P 42 (38-2)
	18566.890	6.883	R158 (34-0)
433	18566.629	6.535	R 45 (35-2)
		6.528	R 66 (29-0)
434	18566.456	6.456	P114 (31-0)
435	18566.373	6.372	R 96 (30-0)
436	18566.233	6.234	R176 (34-0)
		6.235	R117 (31-0)
437	18566.158	6.140	P 93 (30-0)
		6.123	P 63 (29-0)
		6.050	R 95 (37-2)
438	18565.625	5.625	P 73 (36-2)
439	18565.542	5.543	P 43 (35-2)
440	18565.428	5.416	R147 (33-0)
	18565.136	5.118	R 46 (35-2)
	18565.051		
	18564.963		
	18564.803	4.802	R 76 (36-2)
441	18564.658	4.717	R160 (35-0)
		4.658	R 67 (29-0)
		4.626	P 93 (37-2)
442	18564.562	4.562	P131 (32-0)
443	18564.250	4.230	P 64 (29-0)
	18564.197	4.118	P 96 (35-2)
		4.062	P156 (34-0)
444	18563.726	3.728	R134 (33-0)
		3.689	R 97 (35-2)

LINE	OBS CM-1	CALC	ASSIGNMENT
445	18563.566	3.550	R 97 (30-0)
446	18563.360	3.390	P 74 (36-2)
		3.359	P 96 (30-0)
	18563.207		
	18563.114		
447	18562.908	2.949	P118 (31-0)
		2.898	R 96 (37-2)
448	18562.760	2.760	R 68 (29-0)
		2.737	R138 (31-0)
449	18562.661	2.655	P 45 (35-2)
	18562.456	2.451	P166 (35-0)
450	18562.345	2.350	R 77 (36-2)
		2.347	P 68 (29-0)
		2.326	P145 (33-0)
	18562.218	2.219	R 48 (35-2)
451	18561.640	1.638	R159 (34-0)
	18561.463	1.464	P 96 (37-2)
	18561.335		
	18561.238		
452	18561.163	1.163	P 46 (35-2)
453	18560.924	0.923	P 75 (36-2)
454	18560.838	0.832	R 69 (29-0)
455	18560.733	0.738	R148 (33-0)
		0.736	R 98 (30-0)
		0.716	R 49 (35-2)
456	18560.529	0.528	P 95 (30-0)
457	18560.419	0.434	P132 (32-0)
		0.415	P 66 (29-0)
	18560.325	0.325	R177 (34-0)
458	18559.966	9.965	P 76 (36-2)
	18559.910	9.912	R 97 (37-2)
		9.690	P 47 (35-2)
459	18559.685	9.583	R135 (32-0)



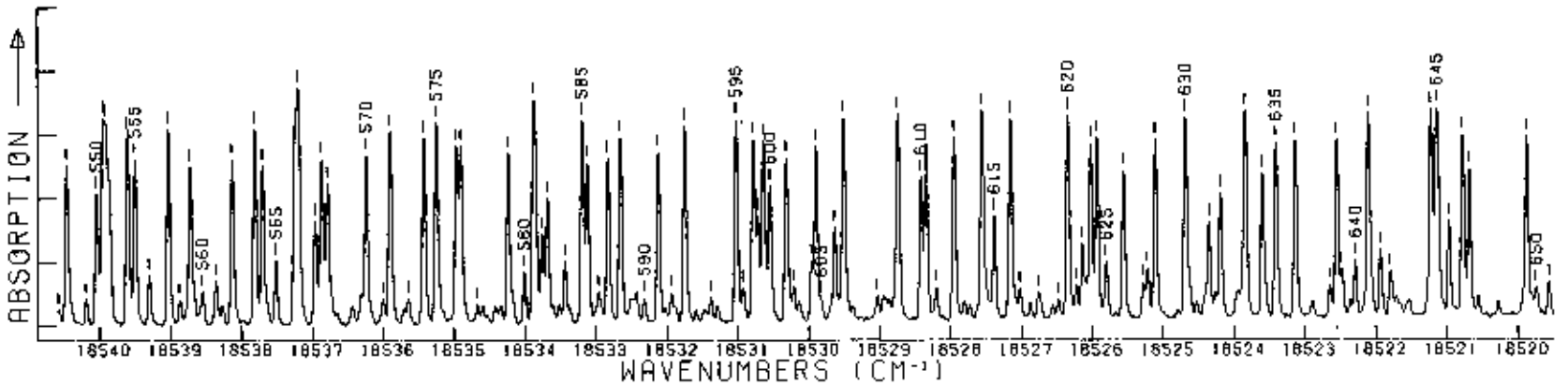
LINE	OBS CM-1	CALC	ASSIGNMENT
456	18560.529	0.528	P 95 (30-01)
457	18560.419	0.434	P132 (32-01)
		0.435	P 66 (29-01)
	18560.125	0.125	R177 (36-01)
458	18559.868	9.865	R 78 (36-2)
	18559.710	9.712	R 97 (37-2)
		9.640	P 47 (35-2)
459	18559.588	9.585	R135 (32-01)
460	18559.411	9.411	P116 (31-01)
	18559.327		
461	18559.169	9.182	R 58 (35-2)
		9.169	R119 (31-01)
	18559.084	9.054	R169 (35-01)
462	18558.877	8.887	P157 (34-01)
		8.875	R 70 (29-01)
463	18558.489	8.455	P 67 (29-01)
		8.423	P 96 (36-2)
	18558.270	8.268	P 95 (37-2)
464	18558.083	8.085	P 48 (35-2)
465	18557.871	7.870	R 99 (30-01)
466	18557.685	7.667	P 96 (30-01)
		7.639	P146 (33-01)
		7.615	R 51 (35-2)
	18557.489		
467	18557.353	7.347	R 79 (36-2)
468	18556.808	6.898	R 71 (29-01)
	18556.799	6.793	P167 (35-01)
	18556.636		
469	18556.467	6.408	P 49 (35-2)
		6.498	R 98 (37-2)
		6.465	P 68 (34-01)
		6.421	R160 (34-01)
470	18556.271	6.274	P133 (32-01)
471	18556.023	6.026	R149 (33-01)
		6.017	R 52 (35-2)
472	18555.840	5.839	P 77 (36-2)
		5.841	P117 (31-01)
	18555.718		
473	18555.588	5.589	R130 (31-01)
474	18555.407	5.405	R136 (32-01)
475	18554.977	5.038	P 96 (37-2)
		4.976	R180 (30-01)

LINE	OBS CM-1	CALC	ASSIGNMENT
476	18554.875	4.879	P 58 (38-2)
		4.875	R 72 (29-01)
477	18554.776	4.795	R 80 (36-2)
		4.776	P 97 (30-01)
478	18554.447	4.487	P 69 (29-01)
		4.387	R 53 (35-2)
		18554.085	
		18553.979	3.975 R178 (36-01)
		18553.681	3.677 P156 (34-01)
		18553.526	
		18553.409	
		18553.331	3.325 P 78 (36-2)
479	18553.230	3.234	R 99 (37-2)
		3.228	P 51 (35-2)
480	18553.131	3.165	R 1 (28-01)
		3.156	R 2 (28-01)
		3.147	R 0 (28-01)
		3.119	R 3 (28-01)
481	18553.054	3.055	R 4 (28-01)
		3.025	P 1 (29-01)
	18552.939	2.968	R 5 (28-01)
		2.923	P 2 (29-01)
		2.918	P147 (33-01)
482	18552.832	2.842	R 6 (28-01)
		2.831	R 23 (29-01)
		2.792	P 3 (28-01)
483	18552.696	2.725	R 64 (35-2)
		2.693	R 7 (28-01)
484	18552.640	2.634	P 4 (28-01)
485	18552.517	2.517	R 8 (28-01)
486	18552.400	2.488	P 5 (29-01)
		2.399	P 70 (29-01)
487	18552.313	2.313	R 9 (28-01)
488	18552.253	2.248	P114 (31-01)
		2.238	P 6 (29-01)
		2.211	R 81 (36-2)
489	18552.060	2.041	P134 (32-01)
		2.031	R 10 (28-01)
		2.051	P101 (30-01)
490	18551.984	1.992	P 7 (29-01)
		1.978	R121 (31-01)
491	18551.836	1.854	P 99 (30-01)
		1.821	R 11 (28-01)
		1.775	P 97 (37-2)

LINE	OBS CM-1	CALC	ASSIGNMENT
492	18551.723	1.722	P 8 (28-01)
493	18551.534	1.536	P 52 (30-2)
		1.533	R 12 (28-01)
494	18551.425	1.425	P 9 (29-01)
	18551.264	1.279	R158 (33-01)
495	18551.211	1.217	R 13 (28-01)
		1.196	R137 (32-01)
		1.170	R181 (34-01)
496	18551.099	1.049	P 10 (28-01)
		1.048	P168 (35-01)
	18551.029	1.031	R 55 (35-2)
497	18550.873	0.874	R 14 (28-01)
498	18550.732	0.758	R 74 (29-01)
		0.746	P 11 (28-01)
		0.723	P 79 (36-2)
499	18550.502	0.502	R 15 (28-01)
500	18550.325	0.368	P 12 (28-01)
		0.335	P 71 (29-01)
501	18550.102	0.103	R 16 (28-01)
502	18549.984	9.995	P 13 (28-01)
		9.963	R100 (37-2)
	18549.831	9.831	P 53 (30-2)
503	18549.674	9.675	R 17 (28-01)
	18549.595	9.593	R 82 (36-2)
504	18549.518	9.518	P 14 (28-01)
	18549.435		
505	18549.310	9.305	R 56 (35-2)
506	18549.221	9.220	R 18 (28-01)
507	18549.058	9.096	R102 (30-01)
		9.053	P 15 (28-01)
508	18548.902	8.902	P 99 (30-01)
509	18548.736	8.737	R 19 (28-01)
510	18548.635	8.636	R 75 (29-01)
		8.604	P119 (31-01)
511	18548.563	8.561	P 16 (28-01)
	18548.442	8.434	P 98 (37-2)
		8.430	P159 (34-01)
512	18548.339	8.335	R122 (31-01)
513	18548.228	8.226	R 20 (28-01)
		8.218	P 72 (29-01)
		8.163	P148 (33-01)
514	18548.098	8.091	P 80 (36-2)
		8.085	P 54 (35-2)
		8.040	P 17 (28-01)

LINE	OBS CM-1	CALC	ASSIGNMENT
515	18547.857	7.855	P135 (32-01)
	18547.792		
516	18547.687	7.687	R 21 (28-01)
517	18547.491	7.547	R 57 (35-2)
		7.441	P 18 (28-01)
	18547.357		
	18547.236		
518	18547.120	7.120	R 22 (28-01)
519	18546.916	6.950	R138 (32-01)
		6.942	R 83 (36-2)
		6.915	P 19 (28-01)
520	18546.529	6.518	R101 (32-2)
		6.520	R 76 (29-01)
		6.505	R 23 (28-01)
		6.447	R151 (33-01)
521	18546.389	6.310	P 20 (28-01)
		6.307	P 58 (35-2)
522	18546.089	6.110	R103 (34-01)
		6.083	P 73 (29-01)
523	18545.907	5.920	P120 (30-01)
		5.908	R 24 (28-01)
		5.892	R162 (34-01)
	18545.754	5.758	R 59 (36-2)
524	18545.677	5.678	P 21 (28-01)
	18545.423	5.425	P 81 (36-2)
	18545.368	5.364	P169 (35-01)
525	18545.251	5.251	R 25 (28-01)
	18545.138	5.140	P 99 (37-2)
526	18545.038	5.018	P 22 (28-01)
527	18544.982	4.984	P120 (31-01)
528	18544.689	4.660	R123 (31-01)
529	18544.572	4.573	R 26 (28-01)
530	18544.542	4.497	P 56 (35-2)
531	18544.346	4.365	R 77 (29-01)
		4.329	P 23 (28-01)
		4.297	R 84 (36-2)
532	18543.919	3.936	R 60 (35-2)
		3.920	P 74 (29-01)
533	18543.867	3.866	R 27 (28-01)
	18543.761	3.760	R 27 (31-1)
	18543.703		

LINE	OBS CM-1	CALC	ASSIGNMENT
534	18543.616	3.615	P 24 (28-01)
		3.596	P136 (32-01)
535	18543.376	3.376	P149 (33-01)
	18543.209	3.258	R102 (37-2)
536	18543.128	3.147	P160 (34-01)
		3.131	R 28 (28-01)
		3.096	R105 (30-01)
537	18542.976	2.985	P 25 (31-1)
		2.908	P101 (30-01)
		2.869	P 85 (28-01)
538	18542.669	2.726	P 82 (36-2)
		2.672	R139 (32-01)
		2.685	P 57 (35-2)
539	18542.367	2.369	R 29 (28-01)
540	18542.175	2.160	R 26 (31-1)
		2.175	R 78 (29-01)
541	18542.896	2.097	P 26 (28-01)
		2.062	R 30 (35-2)
542	18541.728	1.771	P100 (37-2)
		1.727	P 75 (29-01)
		1.690	R152 (33-01)
543	18541.578	1.578	R 30 (28-01)
		1.539	R 85 (36-2)
544	18541.295	1.345	R 36 (31-1)
		1.297	P 27 (28-01)
		1.298	P121 (31-01)
	18541.100		
545	18540.951	0.953	R128 (31-01)
546	18540.760	0.781	P 88 (35-2)
		0.780	R 31 (28-01)
547	18540.583	0.573	R183 (34-01)
548	18540.471	0.481	R 31 (31-1)
		0.469	P 28 (28-01)
549	18540.187	0.196	R 81 (29-2)
550	18540.047	0.048	R105 (30-01)
551	18539.951	9.993	P 85 (36-2)
		9.957	R 79 (29-01)
552	18539.920	9.913	R 32 (28-01)
553	18539.872	9.866	P102 (30-01)
		9.862	R103 (37-2)



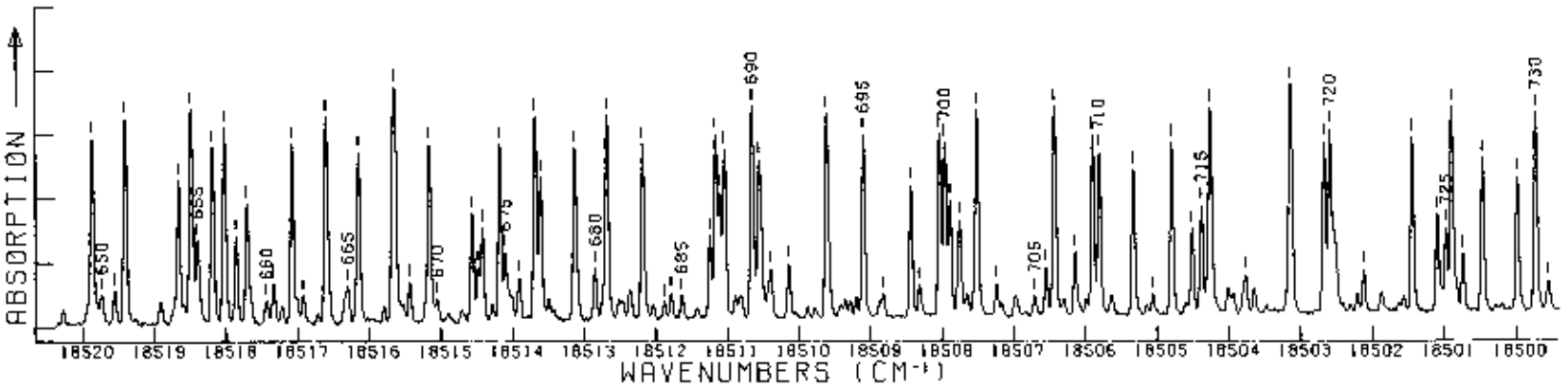
LINE	OBS CM-1	CALC	ASSIGNMENT
547	18540.565	0.573	R163 (54-0)
548	18540.471	0.481	R 31 (31-1)
		0.469	P 28 (28-0)
549	18540.197	0.196	R 61 (35-2)
550	18540.087	0.095	R105 (50-0)
551	18539.981	9.993	P 83 (36-2)
		9.957	R 79 (29-0)
552	18539.920	9.913	R 32 (28-0)
553	18539.672	9.866	P102 (30-0)
		9.662	R103 (37-2)
554	18539.612	9.614	P 24 (28-0)
		9.592	P170 (35-0)
		9.588	R 32 (31-1)
555	18539.506	9.505	P 76 (28-0)
556	18539.306	9.304	P137 (32-0)
557	18539.038	9.035	R 33 (28-0)
558	18538.875	8.876	P 30 (28-2)
559	18538.728	8.728	R 46 (36-2)
		8.730	P 30 (28-0)
		8.688	R 33 (31-1)
560	18538.557	8.549	P150 (33-0)
561	18538.364	8.368	P191 (37-2)
		8.361	R140 (32-0)
	18538.275	8.274	R 62 (35-2)
562	18538.137	8.136	R 34 (28-0)
563	18537.818	7.827	P161 (34-0)
		7.818	P 31 (28-0)
564	18537.709	7.713	R 34 (31-1)
		7.709	R 40 (29-0)
565	18537.519	7.521	P122 (31-0)
566	18537.210	7.215	P 77 (29-0)
		7.208	P 44 (34-2)
		7.205	R128 (31-0)
		7.195	R 35 (28-0)
567	18536.970	6.971	R106 (30-0)
		6.938	P 60 (35-2)
568	18536.879	6.874	P 32 (28-0)
569	18536.794	6.828	R153 (33-0)
		6.793	P103 (30-0)
		6.731	R 35 (31-1)
	18536.660		
	18536.443	6.452	R104 (37-2)
	18536.319	6.320	R 63 (35-2)

LINE	OBS CM-1	CALC	ASSIGNMENT
570	18536.247	6.247	R 36 (28-0)
571	18536.030	6.003	R 67 (36-2)
572	18535.910	5.910	P 33 (28-0)
	18535.719	5.720	R 36 (31-1)
573	18535.646		
574	18535.432	5.432	R 81 (29-0)
575	18535.259	5.260	R 37 (28-0)
		5.218	R164 (54-0)
576	18534.975	4.979	P136 (32-0)
		4.975	P 78 (29-0)
		4.968	P 61 (35-2)
577	18534.916	4.930	P102 (37-2)
		4.918	P 34 (28-0)
578	18534.680	4.680	R 37 (31-1)
	18534.604	4.603	P 34 (31-1)
	18534.541		
	18534.428	4.429	P 85 (36-2)
	18534.347	4.346	R 64 (35-2)
579	18534.246	4.245	R 38 (28-0)
580	18534.020	4.016	R191 (32-0)
581	18533.883	3.891	P 38 (28-0)
		3.884	R107 (30-0)
582	18533.762	3.783	P171 (36-0)
		3.764	P123 (31-0)
583	18533.669	3.690	P151 (33-0)
		3.690	P104 (30-0)
	18533.611	3.610	R 36 (31-1)
	18533.554	3.552	P 35 (31-1)
584	18533.283	3.292	R 39 (28-0)
		3.165	R 88 (36-2)
585	18533.126	3.126	R 82 (29-0)
587	18532.968	2.967	R108 (37-2)
		2.946	P 62 (35-2)
588	18532.840	2.839	P 36 (28-0)
589	18532.666	2.667	P 79 (29-0)
	18532.598	2.590	R 39 (31-1)
	18532.446	2.471	P148 (34-0)
		2.431	P 36 (31-1)
590	18532.328	2.331	R 65 (35-2)
591	18532.132	2.132	R 40 (28-0)
	18532.030	2.028	P 35 (34-2)

LINE	OBS CM-1	CALC	ASSIGNMENT
592	18531.945	1.941	R154 (53-0)
	18531.840		
593	18531.709	1.760	P 37 (28-0)
	18531.598	1.597	P 86 (36-2)
	18531.461	1.498	P 16 (28-2)
		1.457	P103 (37-2)
594	18531.365	1.361	R 90 (31-1)
	18531.300	1.301	P 37 (31-1)
595	18531.032	1.035	R 41 (28-0)
596	18530.935	0.933	P 63 (35-2)
		0.923	P 17 (34-2)
597	18530.761	0.760	R 63 (29-0)
598	18530.728	0.726	R108 (30-0)
599	18530.650	0.682	P 38 (28-0)
		0.681	P139 (32-0)
600	18530.556	0.556	P105 (30-0)
601	18530.328	0.333	R 89 (36-2)
		0.326	P 80 (29-0)
		0.326	P 18 (34-2)
		0.285	R 86 (35-2)
602	18530.220	0.220	R 41 (31-1)
	18530.197	0.181	P 38 (33-1)
603	18529.970	9.971	P124 (31-0)
604	18529.906	9.906	R 92 (28-0)
605	18529.839	9.835	R165 (34-0)
606	18529.641	9.647	P 19 (34-2)
		9.642	R127 (31-0)
		9.639	R142 (52-0)
607	18529.516	9.516	P 39 (28-0)
		9.467	R106 (37-2)
	18529.386		
608	18529.039	9.038	P 20 (34-2)
		9.034	R 42 (31-1)
	18528.941	8.952	P 39 (31-1)
	18528.870	8.867	P 84 (35-2)
609	18528.758	8.747	P152 (33-0)
		8.751	P 43 (28-0)
		8.731	P 87 (36-2)
610	18528.425	8.425	R 84 (29-0)
611	18528.355	8.352	P 40 (28-0)
		8.348	P 21 (34-2)
612	18528.213	8.208	R 67 (35-2)

LINE	OBS CM-1	CALC	ASSIGNMENT
613	18527.961	7.961	P 81 (29-0)
		7.949	P104 (37-2)
		7.935	P172 (35-0)
	18527.818	7.817	R 93 (31-1)
	18527.734	7.735	P 40 (31-1)
614	18527.643	7.627	P 22 (34-2)
		7.567	R 94 (28-0)
		7.557	R109 (30-0)
		7.447	R 90 (36-2)
615	18527.392	7.392	P106 (30-0)
616	18527.162	7.161	P 41 (28-0)
		7.079	R163 (34-0)
617	18527.027	7.019	R135 (33-0)
	18526.878	6.875	P 23 (34-2)
618	18526.765	6.760	P 45 (35-2)
	18526.671	6.678	R 94 (31-1)
619	18526.487	6.485	P 41 (31-1)
620	18526.355	6.356	R 95 (28-0)
621	18526.232	6.230	P180 (32-0)
622	18526.169	6.169	P125 (31-0)
		6.095	R 68 (35-2)
		6.092	P 24 (34-2)
623	18526.031	6.031	R 85 (29-0)
624	18525.941	5.941	P 42 (28-0)
		5.851	R107 (37-2)
625	18525.810	5.832	P 88 (36-2)
		5.808	R128 (31-0)
626	18525.568	5.566	P 82 (29-0)
627	18525.289	5.293	R 45 (31-1)
		5.279	P 25 (34-2)
628	18525.226	5.227	R143 (53-0)
		5.207	P 42 (31-1)
629	18525.117	5.117	R 96 (28-0)
	18524.982		
630	18524.693	4.693	P 83 (28-0)
		4.639	P 44 (35-2)
		4.528	R 91 (36-2)
631	18524.387	4.384	P 26 (34-2)
		4.367	P105 (37-2)
		4.366	R166 (34-0)
		4.356	R110 (30-0)
	18524.269		
632	18524.196	4.197	P107 (30-0)
	18523.954	3.967	R 46 (31-1)
		3.959	R 69 (35-2)

LINE	OBS CM-1	CALC	ASSIGNMENT
633	18523.850	3.908	P 43 (31-1)
		3.886	P155 (33-0)
		3.849	R 97 (28-0)
634	18523.697	3.697	R 86 (29-0)
		3.669	P 27 (34-2)
635	18523.417	3.417	P 94 (28-0)
636	18523.139	3.139	P 83 (29-0)
	18523.002	2.999	P 89 (36-2)
637	18522.683	2.655	P 28 (34-2)
		2.651	R 97 (31-1)
638	18522.553	2.554	P 94 (31-1)
		2.554	R 48 (28-0)
639	18522.479	2.476	P 67 (35-2)
	18522.366	2.361	R108 (37-2)
640	18522.294	2.294	P126 (31-0)
641	18522.112	2.113	P 98 (28-0)
		2.062	R156 (53-0)
		2.052	P173 (35-0)
642	18521.939	1.941	R129 (31-0)
643	18521.880	1.885	P141 (32-0)
		1.776	R 78 (35-2)
	18521.719	1.716	P 29 (34-2)
	18521.660	1.651	P164 (34-0)
	18521.539	1.536	R 92 (36-2)
644	18521.229	1.206	R 45 (31-1)
		1.201	R 49 (28-0)
645	18521.147	1.157	P 45 (31-1)
		1.154	R 87 (29-0)
		1.124	R111 (30-0)
646	18520.972	0.973	P106 (30-0)
647	18520.781	0.829	P106 (37-2)
		0.782	R144 (32-0)
		0.780	P 46 (28-0)
		0.767	P 30 (34-2)
648	18520.685	0.644	P 84 (29-0)
	18520.560	0.558	R 35 (34-2)
	18520.382	0.369	P 68 (35-2)
649	18519.879	9.934	P 90 (36-2)
		9.890	R 49 (31-1)
		9.878	R 50 (28-0)
		9.862	P 46 (31-1)
650	18519.743	9.768	P 31 (34-2)
651	18519.565	9.568	R 71 (34-2)
		9.553	R 34 (34-2)



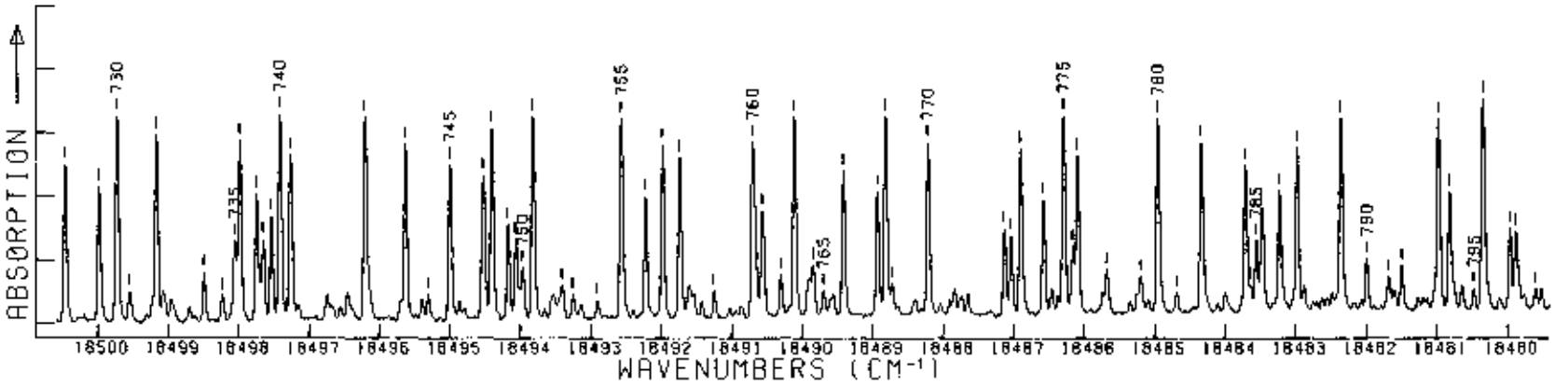
LINE	OBS CM-1	CALC	ASSIGNMENT
	18520.282	0.282	P 68 (35-2)
649	18519.979	9.934	P 90 (36-2)
		9.640	A 49 (33-1)
		9.578	A 50 (34-0)
		9.502	P 46 (31-1)
650	18519.743	9.748	P 31 (38-0)
651	18519.565	9.568	A 71 (35-2)
		9.553	R 39 (34-2)
652	18519.419	9.420	P 47 (28-0)
	18519.918	8.930	R167 (34-0)
		8.908	P154 (33-0)
653	18518.672	8.756	R109 (37-2)
		8.719	P 52 (34-2)
		8.672	R 86 (29-0)
	18518.590	8.590	R 93 (36-2)
654	18518.499	8.516	A 35 (34-2)
		8.458	R 51 (28-0)
		8.466	A 50 (31-1)
655	18518.407	8.408	P127 (31-0)
		8.376	P 47 (31-1)
656	18518.208	8.200	P 85 (29-0)
657	18518.035	8.098	P 69 (35-2)
		8.092	R130 (31-0)
		8.058	P 48 (28-0)
658	18517.865	7.867	R112 (30-0)
659	18517.716	7.717	P109 (30-0)
		7.658	P 33 (34-2)
660	18517.442	7.449	A 36 (34-2)
661	18517.343	7.347	P142 (32-0)
		7.328	R 78 (35-2)
	18517.221	7.217	P107 (37-2)
662	18517.089	7.089	A 52 (28-0)
		7.070	R157 (33-0)
	18517.031	7.012	R 91 (31-1)
663	18516.929	6.934	P 91 (36-2)
		6.922	P 48 (31-1)
	18516.720		
664	18516.614	6.615	P 49 (28-0)
		6.566	P 34 (34-2)
665	18516.310	6.350	R 37 (34-2)
		6.303	R145 (32-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
666	18516.160	6.146	P165 (34-0)
		6.100	A 49 (29-0)
		6.123	P174 (35-0)
	18515.796	5.797	A 70 (35-2)
667	18515.658	5.667	P 86 (29-0)
		5.653	R 83 (28-0)
		5.670	R 94 (36-2)
	18515.532	5.528	R 52 (31-1)
668	18515.441	5.443	P 35 (34-2)
		5.437	P 49 (31-1)
669	18515.171	5.221	R 38 (38-0)
		5.170	P 50 (28-0)
		5.115	R110 (37-2)
670	18515.039	5.056	R 73 (35-2)
	18514.907		
	18514.704		
671	18514.574	4.574	R113 (30-0)
672	18514.489	4.490	P128 (31-0)
673	18514.430	4.431	P110 (30-0)
	18514.290	4.290	P 36 (34-2)
674	18514.188	4.188	R 54 (26-0)
675	18514.118	4.112	R131 (31-0)
		4.060	R 38 (34-2)
		4.034	R 53 (31-1)
676	18513.918	3.923	P 50 (31-1)
		3.907	P155 (33-0)
		3.901	P 92 (36-2)
677	18513.698	3.698	P 51 (28-0)
678	18513.619	3.619	R 90 (29-0)
		3.569	P106 (37-2)
	18513.504	3.506	P 71 (35-2)
	18513.436	3.426	R164 (34-0)
679	18513.143	3.144	P 67 (29-0)
		3.108	P 37 (34-2)
680	18512.956	2.956	R 40 (34-2)
		2.855	P143 (32-0)
681	18512.698	2.751	A 74 (35-2)
		2.695	R 95 (28-0)
	18512.518	2.516	A 95 (36-2)
	18512.479	2.471	R 54 (31-1)

LINE	OBS CM-1	CALC	ASSIGNMENT
	18512.369	2.340	P 51 (31-1)
682	18512.197	2.197	P 52 (29-0)
	18512.050	2.042	R154 (33-0)
683	18511.887	1.889	P 38 (34-2)
684	18511.792	1.791	R106 (32-0)
685	18511.643	1.645	R 41 (34-2)
	18511.435	1.439	R113 (37-2)
686	18511.284	1.254	R110 (30-0)
687	18511.175	1.182	P 72 (35-2)
		1.174	R 86 (28-0)
688	18511.115	1.115	P111 (30-0)
689	18511.048	1.048	R 91 (29-0)
	18510.896	0.898	R 55 (31-1)
	18510.821	0.835	P 93 (36-2)
690	18510.666	0.644	P166 (34-0)
		0.648	P 53 (28-0)
		0.642	P 39 (34-2)
691	18510.568	0.572	P 88 (29-0)
		0.540	P129 (31-0)
692	18510.462	0.413	R 75 (35-2)
		0.362	R 42 (34-2)
693	18510.150	0.160	P175 (33-0)
		0.149	R132 (31-0)
CALC	**********	9.887	P109 (37-2)
694	18509.624	9.624	R 57 (34-2)
	18509.432	9.429	R 96 (36-2)
	18509.345	9.365	P 48 (34-2)
	18509.294	9.295	R 96 (31-1)
	18509.209	9.204	P 53 (31-1)
695	18509.131	9.110	P 54 (28-0)
		9.107	R 43 (34-2)
696	18508.829	8.873	P156 (33-0)
		8.827	P 73 (35-2)
697	18508.648	8.648	R 92 (29-0)
698	18508.328	8.331	P144 (32-0)
699	18508.097	8.056	P 41 (34-2)
		8.047	R 56 (28-0)
		8.048	R 76 (36-2)
700	18507.871	7.871	P 89 (29-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
701	18507.801	7.801	R115 (30-0)
		7.686	R169 (34-0)
702	18507.767	7.791	R 44 (34-2)
		7.767	P112 (30-0)
		7.735	P 84 (36-2)
		7.727	R112 (37-2)
	18507.661	7.665	R 57 (31-1)
703	18507.525	7.571	P 54 (31-1)
		7.525	P 55 (28-0)
704	18507.248	7.245	R147 (32-0)
	18507.176		
	18506.982	6.979	R159 (33-0)
705	18506.712	6.716	P 92 (34-2)
706	18506.556	6.558	P130 (31-0)
707	18506.491	6.443	R 45 (34-2)
		6.440	R 59 (28-0)
		6.439	P 76 (36-2)
	18506.318	6.308	R 97 (36-2)
708	18506.152	6.169	P110 (37-2)
		6.154	R133 (31-0)
	18505.999	6.008	R 58 (31-1)
709	18505.910	5.911	P 56 (28-0)
		5.909	P 86 (31-1)
710	18505.818	5.819	R 93 (29-0)
	18505.644	5.642	R 77 (35-2)
711	18505.341	5.345	P 93 (34-2)
		5.348	P 98 (28-0)
	18505.149	5.145	P167 (34-0)
712	18505.066	5.065	R 46 (34-2)
713	18504.869	4.806	R 60 (28-0)
	18504.699	4.681	P 95 (36-2)
714	18504.517	4.517	R116 (30-0)
715	18504.389	4.390	P113 (30-0)
716	18504.270	4.308	R 59 (31-1)
		4.269	P 87 (28-0)
		4.217	P 56 (31-1)
		4.156	P176 (35-0)
	18504.018	4.019	P 75 (35-2)
	18503.946	3.980	A113 (37-2)
		3.943	P 44 (34-2)

LINE	OBS CM-1	CALC	ASSIGNMENT
717	18503.775	3.805	P157 (33-0)
		3.772	P165 (32-0)
	18503.655	3.656	A 47 (34-2)
718	18503.148	3.087	A 78 (35-2)
		3.160	A 98 (29-0)
		3.153	A 98 (36-2)
		3.144	A 61 (28-0)
719	18502.679	2.680	P 91 (29-0)
		2.665	R148 (32-0)
720	18502.598	2.599	P 56 (28-0)
		2.587	A 60 (31-1)
721	18502.843	2.544	P131 (31-0)
		2.510	P 45 (34-2)
		2.496	P 57 (31-1)
722	18502.417	2.417	P111 (37-2)
	18502.312	2.308	R170 (34-0)
	18502.215	2.215	R 48 (34-2)
723	18502.125	2.126	R134 (31-0)
	18501.878	1.881	R160 (33-0)
	18501.631		
	18501.567	1.567	P 76 (35-2)
724	18501.453	1.453	A 62 (28-0)
		1.439	P 96 (36-2)
	18501.183	1.182	R117 (30-0)
725	18500.981	0.981	P149 (30-0)
726	18500.901	0.901	P 59 (28-0)
		0.835	A 61 (31-1)
727	18500.743	0.745	P 58 (31-1)
		0.743	A 69 (34-2)
		0.740	A 79 (35-2)
728	18500.473	0.471	A 95 (29-0)
	18500.261		
	18500.200	0.198	R114 (37-2)
729	18499.989	9.991	P 92 (29-0)
		9.966	A 98 (36-2)
730	18499.733	9.733	A 63 (28-0)
731	18499.557	9.570	P168 (34-0)
		9.551	P 47 (34-2)



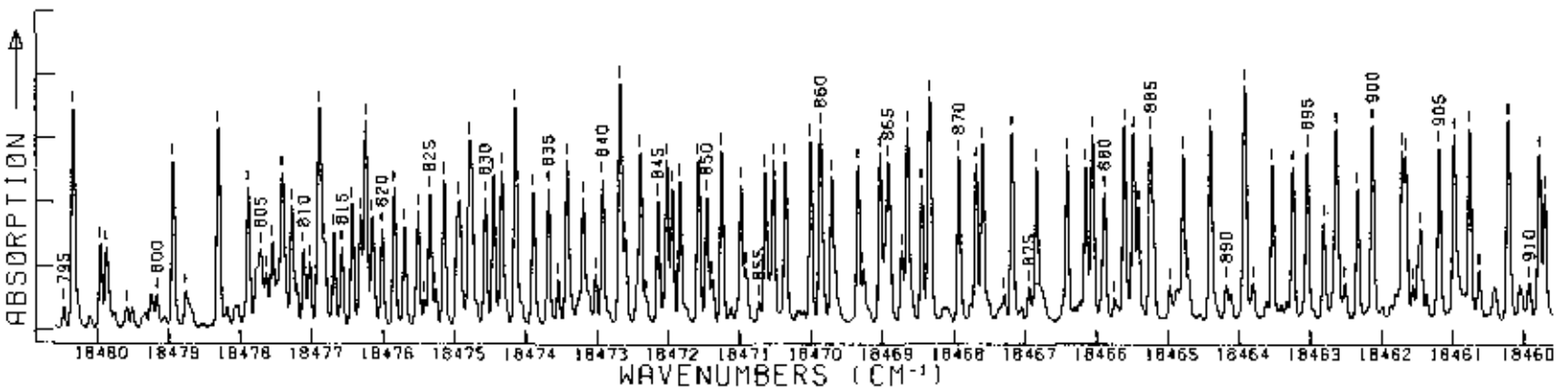
LINE	OBS CM-1	CALC	ASSIGNMENT
728	18500.471	0.471	R 95 (29-0)
	18800.281		
	18500.200	0.198	R114 (37-2)
729	18499.989	9.991	P 92 (29-0)
		9.964	R 99 (36-2)
730	18499.735	9.735	R 83 (28-0)
731	18499.557	9.578	P168 (34-0)
		9.561	P 47 (34-2)
	18499.314		
732	18499.175	9.280	R 90 (34-2)
		9.160	P146 (32-0)
		9.174	P 60 (28-0)
	18499.071	9.082	P 77 (35-2)
		9.054	R 62 (31-1)
	18498.963	8.964	P 59 (31-1)
	18498.768	8.762	P108 (33-0)
	18498.638	8.629	P112 (37-2)
733	18498.497	8.498	P132 (31-0)
734	18498.240	8.240	R 80 (35-2)
		8.232	P 97 (36-2)
735	18498.089	8.118	P177 (39-0)
		8.046	R135 (31-0)
		8.051	R149 (32-0)
		8.024	P 98 (34-2)
736	18497.986	7.986	R 64 (28-0)
737	18497.751	7.753	R 96 (29-0)
		7.746	R 51 (34-2)
738	18497.656	7.657	R118 (30-0)
739	18497.541	7.542	P115 (30-0)
740	18497.419	7.419	P 61 (28-0)
741	18497.270	7.272	P 93 (29-0)
		7.243	R 63 (31-1)
	18497.159	7.153	P 60 (31-1)
	18496.750	6.747	R161 (33-0)
		6.741	R108 (36-2)
	18496.679	6.693	R173 (34-0)
	18496.565	6.564	P 78 (35-2)
	18496.461	6.467	P 49 (34-2)
742	18496.209	6.210	R 65 (28-0)
		6.140	R 92 (34-2)
	18495.708	5.706	R 83 (35-2)
743	18495.634	5.636	P 62 (28-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
	18498.401	8.402	R 84 (31-1)
744	18495.311	5.313	P 81 (31-1)
745	18495.003	5.005	R 97 (28-0)
		4.998	P 98 (36-2)
	18494.878	4.878	P 50 (34-2)
	18494.806	4.808	P113 (37-2)
746	18494.526	4.508	P147 (38-0)
		4.493	R 83 (34-2)
		4.483	P 94 (29-0)
747	18494.408	4.420	P133 (31-0)
		4.405	R 66 (28-0)
748	18494.179	4.180	R119 (30-0)
749	18494.071	4.078	P136 (30-0)
750	18493.971	4.015	P 79 (35-2)
		3.974	R136 (31-0)
		3.957	P169 (34-0)
751	18493.824	3.825	P 63 (34-0?)
	18493.683		
	18493.538	3.563	P189 (33-0)
		3.551	R 65 (31-1)
		3.484	R101 (36-2)
752	18493.409	3.443	P 62 (31-1)
		3.403	R150 (32-0)
753	18493.258	3.256	P 91 (34-2)
	18493.184	3.143	R 82 (36-2)
754	18492.915	2.915	R 84 (34-2)
755	18492.572	2.572	R 67 (28-0)
	18492.403		
756	18492.226	2.227	R 96 (29-0)
757	18491.988	2.059	P178 (35-0)
		1.980	P 64 (28-0)
758	18491.794	1.745	P 98 (29-0)
		1.729	P 99 (36-2)
	18491.606	1.630	R 68 (31-1)
		1.607	P 52 (34-2)
	18491.549	1.576	R182 (33-0)
		1.543	P 53 (31-1)
	18491.433	1.433	P 40 (35-2)
759	18491.255	1.256	R 55 (34-2)
	18491.035	1.041	R172 (34-0)
	18490.946	0.947	P114 (37-2)
	18490.665		

LINE	OBS CM-1	CALC	ASSIGNMENT
760	18490.709	0.731	R 68 (28-0)
		0.673	R120 (30-0)
761	18490.569	0.571	P117 (30-0)
		0.546	R 83 (35-2)
762	18490.389	0.330	R134 (31-0)
763	18490.117	0.154	R102 (36-2)
		0.137	P 65 (28-0)
	18489.986	9.985	P 53 (34-2)
		9.896	P198 (32-0)
764	18489.858	9.864	R137 (31-0)
765	18489.780	9.699	R 67 (31-1)
	18489.567	9.613	P 69 (31-1)
		9.565	R 86 (34-2)
766	18489.419	9.420	R 99 (29-0)
767	18488.937	8.938	P 96 (29-0)
768	18488.622	8.622	R 69 (28-0)
		8.828	P 81 (35-2)
769	18488.726	8.721	R151 (32-0)
	18488.648		
	18488.480	8.427	P100 (36-2)
		8.389	P189 (33-0)
	18488.311	8.304	P170 (34-0)
770	18488.220	8.220	P 66 (28-0)
		8.211	P 84 (34-2)
	18488.048		
	18487.915	7.916	R 89 (35-2)
	18487.845	7.843	R 57 (34-2)
	18487.746	7.739	R 66 (31-1)
	18487.655	7.654	P 65 (31-1)
771	18487.134	7.134	R121 (30-0)
772	18487.040	7.040	P118 (30-0)
773	18486.903	6.904	R 70 (28-0)
		6.868	R103 (36-2)
774	18486.582	6.583	R180 (29-0)
	18486.464	6.466	P 95 (34-2)
	18486.377	6.372	R163 (33-0)
775	18486.298	6.296	P 67 (28-0)
776	18486.169	6.171	P 82 (35-2)
		6.167	P135 (31-0)
777	18486.099	6.101	P 97 (29-0)
		6.090	R 56 (34-2)
	18485.915	5.920	P179 (35-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
778	18485.688	5.748	R 69 (31-1)
		5.642	R134 (31-0)
		5.664	P 66 (31-1)
	18485.353	5.352	R173 (34-0)
779	18485.262	5.253	R 86 (35-2)
		5.203	P149 (32-0)
	18485.093	5.090	P101 (36-2)
780	18484.988	4.957	R 71 (28-0)
781	18484.692	4.890	P 56 (34-2)
CALC	**********	4.467	R 1 (30-1)
CALC	**********	4.455	R 2 (30-1)
CALC	**********	4.450	R 0 (30-1)
CALC	**********	4.418	R 3 (30-1)
782	18484.342	4.345	R 4 (30-1)
		4.342	P 66 (28-0)
		4.330	P 1 (30-1)
		4.305	R 59 (34-2)
		4.287	R 5 (30-1)
		4.227	P 2 (30-1)
	18484.112	4.121	R 6 (30-1)
		4.095	P 3 (30-1)
	18484.008	4.006	R152 (32-0)
		3.965	R 7 (30-1)
		3.934	P 4 (30-1)
783	18483.717	3.781	R 8 (30-1)
		3.745	P 5 (30-1)
		3.728	R 70 (31-1)
		3.716	R101 (29-0)
784	18483.616	3.645	P 67 (31-1)
785	18483.564	3.569	R 9 (30-1)
		3.565	R122 (30-0)
786	18483.479	3.527	P 6 (30-1)
		3.516	R104 (36-2)
		3.491	R 85 (35-2)
		3.477	P139 (30-0)
	18483.326	3.327	R 10 (30-1)
787	18483.234	3.288	P 7 (30-1)
		3.234	P 98 (29-0)
		3.186	P161 (33-0)
788	18482.983	3.057	R 11 (30-1)
		3.005	P 8 (30-1)
		2.982	R 72 (28-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
	18482.880	2.885	P 57 (34-2)
	18482.784	2.758	R 12 (30-1)
	18482.782	2.781	P 9 (30-1)
	18482.528	2.622	P171 (34-0)
	18482.358	2.356	R 86 (35-2)
	18482.488	2.468	R 60 (34-2)
789	18482.361	2.438	R 13 (30-1)
		2.348	P 10 (30-1)
		2.361	P 69 (28-0)
	18482.179		
	18482.074	2.073	R 14 (30-1)
790	18481.996	2.006	P 11 (30-1)
		1.993	P138 (31-0)
791	18481.683	1.720	P192 (36-2)
		1.668	R 15 (30-1)
		1.677	R 71 (31-1)
	18481.483	1.616	P 12 (30-1)
		1.596	P 68 (31-1)
792	18481.301	1.303	R139 (31-0)
	18481.075	1.274	R 16 (30-1)
	18481.198	1.197	P 13 (30-1)
	18481.140	1.132	R184 (33-0)
793	18480.978	1.084	P 58 (34-2)
		0.978	R 73 (28-0)
794	18480.819	0.831	R 17 (30-1)
		0.820	R188 (29-0)
		0.779	P 84 (35-2)
		0.789	P 14 (30-1)
	18480.641	0.641	R 61 (34-2)
795	18480.476	0.476	P150 (32-0)
796	18480.346	0.368	R 18 (30-1)
		0.351	P 70 (28-0)
		0.336	P 99 (29-0)
		0.272	P 15 (30-1)
	18480.131	0.117	R198 (34-0)
797	18479.963	9.964	R123 (30-0)
798	18479.881	9.884	P120 (30-0)
		9.858	R 19 (30-1)
		9.829	R 87 (35-2)
	18479.765	9.767	P 16 (30-1)
799	18479.595	9.634	R174 (34-0)
		9.597	R 72 (31-1)
	18479.514	9.517	P 69 (31-1)



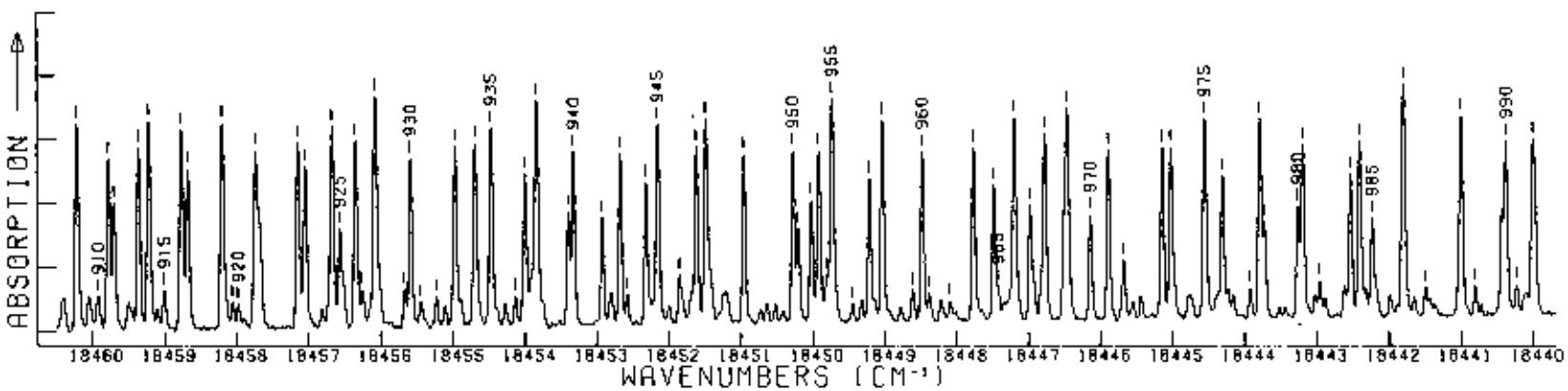
LINE	OBS CM-1	CALC	ASSIGNMENT
795	18480.476	0.476	P150 (32-0)
796	18480.396	0.360	R 18 (30-1)
		0.351	P 70 (28-0)
		0.338	P 99 (29-0)
		0.272	P 15 (30-1)
	18480.111	0.117	R105 (34-2)
797	18479.965	9.984	R123 (30-0)
798	18479.881	9.884	P120 (30-0)
		9.809	R 19 (30-1)
		9.826	R 87 (35-2)
	18479.765	9.767	P 16 (30-1)
799	18479.890	9.624	R174 (34-0)
		9.597	R 72 (31-1)
	18479.518	9.517	P 69 (31-1)
	18479.333	9.330	R 80 (30-1)
	18479.249	9.256	R153 (32-0)
		9.233	P 17 (30-1)
800	18479.172	9.174	P 09 (34-2)
801	18478.946	8.946	R 74 (28-0)
802	18478.769	8.772	R 21 (30-1)
		8.762	R 62 (34-2)
	18478.672	8.670	P 18 (30-1)
803	18478.313	8.316	P103 (34-2)
		8.313	P 71 (28-0)
	18478.186	8.146	R 22 (30-1)
	18478.042	8.039	P 19 (30-1)
		8.038	P 85 (32-2)
804	18477.894	7.936	P162 (33-0)
		7.894	R103 (29-0)
805	18477.722	7.726	P137 (31-0)
		7.746	R 1 (27-0)
		7.740	R 2 (27-0)
		7.726	R 0 (27-0)
		7.706	R 3 (27-0)
806	18477.641	7.643	R 4 (27-0)
		7.606	P 1 (27-0)
807	18477.555	7.570	R 05 (30-1)
		7.554	R 5 (27-0)
		7.504	P 2 (27-0)
808	18477.416	7.486	R 73 (31-1)
		7.458	P 28 (30-1)
		7.437	R 6 (27-0)
		7.412	P108 (29-0)
		7.408	P 79 (31-1)
		7.375	P 3 (27-0)
809	18477.286	7.293	R 7 (27-0)
		7.286	R149 (31-0)
		7.273	P 08 (34-2)
	18477.218	7.215	P 4 (27-0)
810	18477.120	7.121	R 8 (27-0)
811	18477.032	7.066	R 86 (35-2)
		7.034	P 5 (27-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
812	18476.890	6.926	R 24 (30-1)
		6.922	R 9 (27-0)
		6.895	P172 (34-0)
		6.886	R 75 (28-0)
		6.854	R 63 (34-2)
813	18476.826	6.822	P 6 (27-0)
		6.809	P 21 (30-1)
814	18476.694	6.696	R 10 (27-0)
815	18476.583	6.568	P 7 (27-0)
816	18476.448	6.442	R 11 (27-0)
817	18476.325	6.332	R124 (30-0)
		6.317	P 5 (27-0)
818	18476.249	6.240	P121 (30-0)
		6.253	R 20 (30-1)
		6.096	P 72 (28-0)
819	18476.157	6.161	R 12 (27-0)
		6.131	P 22 (30-1)
820	18476.023	6.024	P 9 (27-0)
821	18475.851	5.858	R165 (33-0)
		5.853	R 13 (27-0)
822	18475.705	5.716	P151 (32-0)
		5.703	P 10 (27-0)
823	18475.517	5.561	R 26 (30-1)
		5.517	R 14 (27-0)
824	18475.429	5.425	P 23 (30-1)
825	18475.350	5.356	P 11 (27-0)
		5.348	R 79 (31-1)
		5.340	P 61 (34-2)
826	18475.270	5.269	P 71 (31-1)
		5.256	P 86 (35-2)
827	18475.152	5.154	R 15 (27-0)
828	18474.941	4.939	P 12 (27-0)
		4.838	R104 (29-0)
		4.910	R 44 (30-2)
		4.878	P104 (28-0)
829	18474.792	4.820	R 27 (30-1)
		4.797	R 76 (28-0)
		4.748	R 16 (27-0)
	18474.690	4.698	P 24 (30-1)
830	18474.576	4.576	P 13 (27-0)
831	18474.459	4.472	R154 (32-0)
		4.457	P101 (29-0)
832	18474.344	4.345	R 17 (27-0)
		4.274	R 89 (35-2)
833	18474.189	4.150	P 73 (28-0)
		4.136	P 14 (27-0)
	18474.063	4.061	R 28 (30-1)
834	18473.909	3.925	P 25 (30-1)
		3.899	R 18 (27-0)
		3.859	R175 (34-0)
835	18473.687	3.668	P 15 (27-0)
836	18473.586	3.546	P138 (31-0)
837	18473.426	3.427	R 19 (27-0)
		3.376	P 62 (34-2)

LINE	OBS CM-1	CALC	ASSIGNMENT
	18473.270	3.272	A 29 (30-1)
838	18473.201	3.203	P 16 (27-0)
		3.175	A 28 (31-1)
	18473.124	3.132	P 28 (30-1)
		3.101	P 72 (31-1)
839	18473.027	3.025	A141 (33-0)
840	18472.927	2.937	A 68 (34-2)
		2.927	A 20 (27-0)
841	18472.689	2.691	P 17 (27-0)
		2.679	A 77 (28-0)
		2.669	R125 (30-0)
		2.656	P163 (33-0)
842	18472.607	2.595	P122 (30-0)
843	18472.396	2.385	R 30 (30-1)
		2.346	P 87 (35-2)
		2.340	A 21 (27-0)
844	18472.316	2.310	P 27 (30-1)
845	18472.181	2.151	P 18 (27-0)
846	18472.025	2.027	P 74 (28-0)
847	18471.952	1.952	R109 (29-0)
848	18471.842	1.844	R 22 (27-0)
849	18471.584	1.609	R 31 (30-1)
		1.588	P 19 (27-0)
850	18471.476	1.472	P142 (29-0)
		1.460	P 28 (30-1)
		1.443	R 90 (35-2)
851	18471.387	1.406	P185 (34-2)
		1.391	P 63 (34-2)
852	18471.260	1.262	R 23 (27-0)
	18471.131	1.138	P173 (34-0)
853	18470.989	0.989	P 20 (27-0)
		0.975	R 78 (31-1)
854	18470.929	0.932	A 66 (34-2)
		0.921	P152 (32-0)
		0.902	P 73 (31-1)
855	18470.734	0.734	A 32 (30-1)
856	18470.650	0.652	A 24 (27-0)
857	18470.535	0.560	P 29 (30-1)
		0.542	A166 (33-0)
		0.533	A 78 (28-0)
858	18470.368	0.367	P 31 (27-0)
859	18470.214	0.215	R 25 (27-0)
860	18469.975	9.975	P 75 (28-0)
		9.838	R 33 (30-1)
861	18469.717	9.718	P 22 (27-0)
		9.672	P 36 (30-1)
		9.653	A155 (32-0)
		9.603	P 88 (35-2)
862	18469.349	9.354	P 64 (34-2)
		9.334	R146 (31-0)
863	18469.273	9.274	P139 (31-0)
864	18469.039	9.041	P 23 (27-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
865	18468.927	8.895	R126 (30-0)
		8.854	R166 (29-0)
		8.819	P183 (30-0)
		8.798	R 34 (30-1)
		8.785	R 67 (34-2)
		8.744	P 77 (31-1)
		8.738	R142 (31-0)
		8.735	P 31 (30-1)
867	18468.658	8.675	P 74 (31-1)
		8.658	R 27 (27-0)
		8.588	R 91 (35-2)
868	18468.458	8.457	P103 (28-0)
869	18468.349	8.358	R 79 (26-0)
		8.337	P 84 (27-0)
	18468.183		
	18468.099	8.057	R176 (34-0)
870	18467.987	7.938	R 28 (27-0)
		7.936	R 35 (30-1)
		7.908	P106 (36-2)
	18467.768	7.769	P 32 (30-1)
871	18467.695	7.694	P 76 (28-0)
872	18467.604	7.605	P 35 (27-0)
873	18467.298	7.340	P104 (33-0)
		7.295	P 85 (34-2)
874	18467.190	7.191	R 29 (27-0)
875	18466.947	6.946	R 36 (30-1)
876	18466.844	6.846	P 26 (27-0)
		6.827	R 68 (34-2)
		6.779	P 33 (30-1)
		6.738	P 69 (35-2)
877	18466.416	6.483	R 78 (31-1)
		6.417	P 38 (27-0)
		6.415	P 75 (31-1)
878	18466.186	6.154	R 80 (28-0)
		6.043	P153 (32-0)
879	18466.059	6.060	P 87 (27-0)
880	18465.892	5.927	P 37 (30-1)
		5.891	R107 (29-0)
881	18465.750	5.781	P 34 (30-1)
	18465.704	5.696	R 92 (35-2)
882	18465.614	5.615	R 31 (27-0)
883	18465.485	5.488	P 77 (28-0)
884	18465.413	5.413	P108 (29-0)
	18465.340	5.340	P178 (34-0)
885	18465.240	5.249	R127 (30-0)
		5.246	P 28 (27-0)
		5.206	P 66 (34-2)
		5.202	P124 (30-0)
		5.194	R167 (33-0)
886	18464.970	4.970	R148 (31-0)
	18464.866	4.879	P 38 (30-1)
887	18464.785	4.801	R158 (32-0)
		4.785	R 32 (27-0)
888	18464.717	4.727	P 69 (34-2)
		4.698	P 35 (30-1)

LINE	OBS CM-1	CALC	ASSIGNMENT
889	18464.405	4.418	R193 (34-0)
		4.404	P 29 (27-0)
		4.340	P107 (36-2)
890	18464.185	4.192	R 79 (31-1)
	18464.116	4.125	P 75 (31-1)
891	18463.925	3.928	R 33 (27-0)
		3.922	R 81 (28-0)
892	18463.867	3.819	P 90 (35-2)
		3.801	R 39 (30-1)
	18463.617	3.617	P 36 (30-1)
893	18463.535	3.536	P 30 (27-0)
	18463.487	3.404	P 24 (33-2)
	18463.332		
894	18463.247	3.247	P 78 (28-0)
895	18463.044	3.034	P 97 (34-2)
		3.004	R 34 (27-0)
896	18462.814	2.815	R108 (29-0)
		2.771	R 93 (35-2)
897	18462.638	2.695	R 40 (30-1)
		2.639	P 31 (27-0)
		2.604	P 25 (33-2)
		2.586	R 79 (34-2)
898	18462.516	2.507	P 37 (30-1)
899	18462.358	2.339	P105 (29-0)
900	18462.151	2.216	R177 (34-0)
		2.132	R 35 (27-0)
	18461.998	1.989	P165 (33-0)
	18461.867	1.870	R 80 (31-1)
	18461.794	1.807	P 77 (31-1)
		1.775	P 26 (33-2)
901	18461.718	1.716	P 32 (27-0)
902	18461.663	1.661	R 82 (28-0)
903	18461.583	1.560	R 41 (30-1)
904	18461.455	1.493	R126 (30-0)
		1.453	P125 (30-0)
	18461.367	1.368	P 36 (30-1)
905	18461.195	1.231	P154 (32-0)
		1.193	R 36 (27-0)
906	18460.980	0.981	P 79 (28-0)
		0.932	P 68 (34-2)
		0.915	P 37 (33-2)
		0.878	P 91 (35-2)
907	18460.784	0.786	R108 (36-2)
		0.766	P 33 (27-0)
908	18460.632	0.633	P141 (31-0)
	18460.489	0.433	R 71 (34-2)
		0.396	R 42 (30-1)
909	18460.224	0.226	R 37 (27-0)
		0.208	P 39 (30-1)
	18460.064	0.064	R144 (31-0)
		0.025	P 28 (33-2)
910	18459.928	9.914	R157 (32-0)
911	18459.787	9.813	R 96 (35-2)
		9.809	R166 (33-0)
		9.786	P 38 (27-0)
912	18459.709	9.710	R109 (29-0)



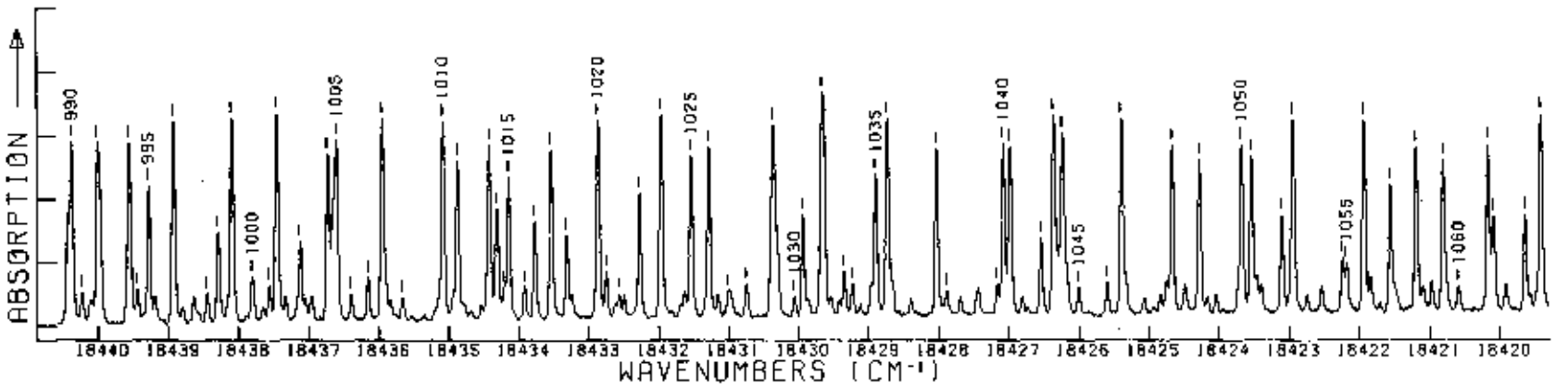
LINE	OBS CM-1	CALC	ASSIGNMENT
	18460.409	0.433	R 71 (34-2)
		0.396	R 42 (30-1)
909	18460.224	0.226	R 37 (27-0)
		0.200	P 39 (30-1)
	18460.054	0.060	9344 (31-0)
		0.025	P 28 (33-2)
910	18459.988	9.914	R197 (32-0)
911	18459.787	9.812	R 94 (28-2)
		9.809	R168 (33-0)
		9.786	P 34 (27-0)
912	18459.789	9.710	R100 (26-0)
	18459.589	9.610	R 81 (31-1)
		9.504	P175 (34-0)
		9.496	P 78 (31-1)
913	18459.372	9.371	R 83 (28-0)
914	18459.231	9.235	P186 (29-0)
		9.232	R 38 (27-0)
		9.203	R 43 (30-1)
	18459.189	9.104	P 29 (33-2)
916	18458.810	9.003	R 40 (30-1)
916	18458.779	8.780	P 35 (27-0)
		8.767	P 69 (34-2)
917	18458.687	8.684	P 80 (28-0)
918	18458.219	8.239	R 73 (34-2)
		8.210	P 39 (27-0)
		8.183	P 50 (33-2)
919	18458.061		
920	18457.584	7.981	R 44 (30-1)
	18457.987	7.904	P 92 (35-2)
921	18457.747	7.777	P 41 (30-1)
		7.747	P 58 (27-0)
		7.705	R129 (32-0)
		7.674	P126 (30-0)
922	18457.161	7.177	P109 (36-2)
		7.170	P 31 (33-2)
		7.150	R 40 (27-0)
		7.137	R 82 (31-1)
923	18457.056	7.079	P 79 (31-1)
		7.053	R 44 (28-0)
	18456.823	6.823	R 96 (35-2)
924	18456.686	6.731	R 45 (30-1)
		6.686	P 37 (27-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
923	18456.574	6.602	P166 (33-0)
		6.576	R110 (29-0)
		6.531	P 70 (34-2)
		6.523	P 42 (30-1)
924	18456.361	6.369	P 81 (28-0)
		6.336	R178 (34-0)
		6.334	P155 (32-0)
927	18456.265	6.264	P142 (31-0)
	18456.181	6.160	P 32 (33-2)
928	18456.087	6.101	P107 (29-0)
		6.083	R 41 (27-0)
		6.032	R 73 (34-2)
929	18455.978	5.978	R145 (31-0)
930	18455.967	5.897	P 36 (27-0)
931	18455.802	5.851	R 46 (30-1)
932	18455.239	5.230	P 43 (30-1)
	18455.119	5.119	P 33 (33-2)
933	18454.980	4.992	R158 (32-0)
		4.979	R 42 (27-0)
	18454.698	4.698	P 93 (35-2)
934	18454.707	4.735	R 83 (31-1)
		4.706	R 86 (28-0)
		4.678	P 80 (31-1)
935	18454.482	4.481	P 34 (27-0)
	18454.395	4.368	R169 (33-0)
	18454.283	4.284	P 71 (34-2)
936	18454.182	4.142	R 47 (30-1)
937	18454.010	4.046	P 34 (35-2)
		4.010	P 82 (28-0)
938	18453.851	3.926	P 94 (30-1)
		3.865	R130 (30-0)
		3.864	P127 (30-0)
		3.847	R 43 (27-0)
		3.796	R 96 (35-2)
	18453.759	3.754	R 78 (34-2)
	18453.627	3.651	P176 (34-0)
	18453.531	3.535	P110 (34-2)
939	18453.410	3.488	A131 (29-0)
940	18453.339	3.338	P 48 (27-0)
941	18452.930	2.944	P 35 (33-2)
		2.937	P106 (29-0)
	18452.814	2.804	R 48 (30-1)
942	18452.668	2.667	R 44 (27-0)

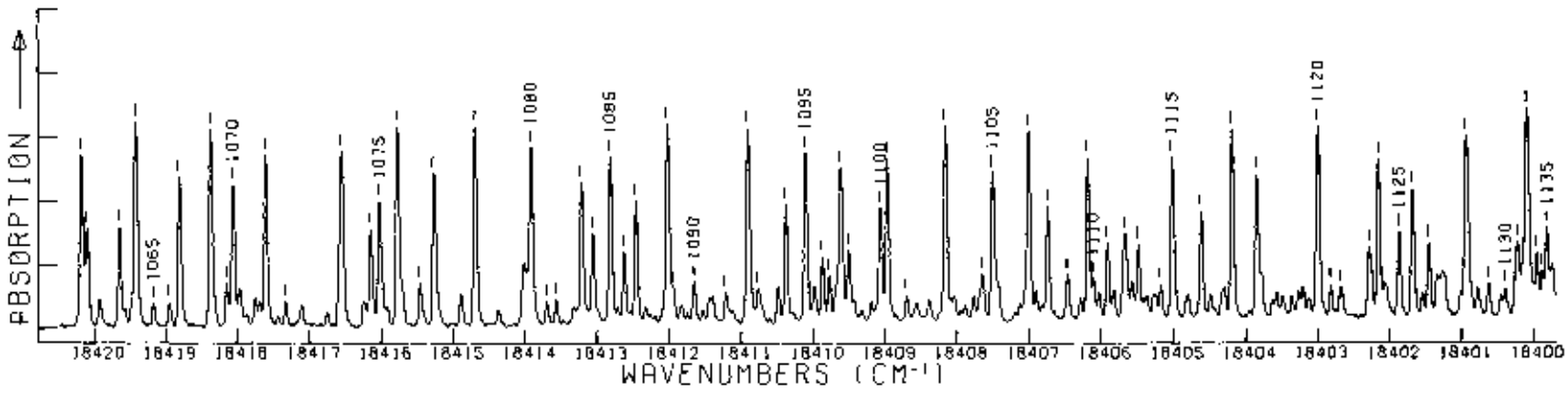
LINE	OBS CM-1	CALC	ASSIGNMENT
943	18452.588	2.585	P 85 (30-1)
944	18452.331	2.330	R 86 (28-0)
		2.243	R 44 (31-1)
945	18452.168	2.031	P 41 (31-1)
		2.167	P 91 (27-0)
	18452.008	2.005	P 72 (34-2)
946	18451.862	1.862	P143 (31-0)
		1.836	P 99 (35-2)
		1.811	P 36 (33-2)
	18451.699		
947	18451.633	1.629	P 63 (28-0)
948	18451.509	1.500	R 95 (27-0)
		1.468	R 75 (34-2)
		1.437	R 49 (30-1)
		1.404	P156 (32-0)
	18451.212	1.260	R140 (31-0)
		1.214	P 88 (30-1)
		1.170	P167 (33-0)
949	18450.969	0.968	P 42 (27-0)
	18450.743	0.739	R 97 (35-2)
	18450.699	0.688	P 37 (33-2)
	18450.629	0.629	R 98 (33-2)
	18450.417	0.422	R179 (34-0)
950	18450.286	0.290	R 46 (27-0)
951	18450.215	0.214	R112 (29-0)
952	18450.032	0.041	R 50 (30-1)
		0.036	R159 (32-0)
		0.034	R131 (30-0)
		0.022	P128 (30-0)
953	18449.927	9.926	R 87 (28-0)
954	18449.816	9.815	P 47 (30-1)
		9.810	R 85 (31-1)
955	18449.784	9.762	P 82 (31-1)
		9.744	P109 (29-0)
		9.742	R 45 (27-0)
		9.694	P 73 (34-2)
956	18449.453	9.454	P 38 (33-2)
	18449.331	9.332	R 61 (33-2)
957	18449.221	9.220	P 64 (28-0)
	18449.148	9.143	R 76 (33-2)
958	18449.044	9.043	R 97 (27-0)
	18448.936	8.931	R170 (33-0)
	18448.787	8.785	P 95 (35-2)

LINE	OBS CM-1	CALC	ASSIGNMENT
959	18448.618	8.616	R 51 (30-1)
960	18448.498	8.489	P 45 (27-0)
961	18448.389	8.387	P 48 (30-1)
	18448.238	8.230	P 39 (33-2)
962	18448.189	8.183	R 42 (33-2)
	18448.085		
963	18447.795	7.773	R 98 (27-0)
	18447.682	7.648	R 98 (35-2)
964	18447.493	7.492	R 89 (28-0)
965	18447.433	7.428	P144 (31-0)
	18447.388	7.352	P 76 (34-2)
		7.308	R 86 (31-1)
		7.262	P 83 (31-1)
966	18447.209	7.208	P 43 (27-0)
		7.142	R 52 (30-1)
967	18446.988	6.988	R113 (29-0)
		6.975	P 48 (33-2)
		6.898	P 99 (30-1)
968	18446.785	6.885	R 43 (33-2)
		6.808	R147 (31-0)
		6.798	R 77 (34-2)
		6.742	P 85 (28-0)
969	18446.478	6.520	P110 (29-0)
		6.475	R 89 (27-0)
		6.439	P157 (32-0)
970	18446.189	6.152	R132 (30-0)
		6.109	P129 (30-0)
971	18445.900	5.898	P 46 (27-0)
972	18445.686	5.721	P188 (33-0)
		5.690	P 41 (33-2)
		5.640	P 96 (35-2)
		5.578	R 53 (30-1)
	18445.555	5.588	R 48 (33-2)
	18445.443	5.443	P 50 (36-1)
973	18445.351	5.350	R 50 (27-0)
974	18445.031	5.045	R160 (32-0)
		5.030	R 89 (28-0)
		4.974	P 75 (34-2)
	18444.775	4.770	R 87 (31-1)
		4.732	P 84 (31-1)
975	18444.564	4.563	P 97 (27-0)
		4.525	R 99 (35-2)

LINE	OBS CM-1	CALC	ASSIGNMENT
	18444.385	4.405	R 78 (34-2)
		4.375	P 92 (33-2)
976	18444.317	4.315	P 86 (28-0)
	18444.238	4.236	R 95 (33-2)
	18444.167	4.160	R 54 (30-1)
977	18443.928	3.927	P 51 (30-1)
978	18443.798	3.797	A 51 (27-0)
979	18443.735	3.732	R114 (29-0)
	18443.442	3.438	A171 (33-0)
980	18443.268	3.267	P111 (29-0)
981	18443.201	3.199	P 98 (27-0)
	18443.028	3.029	P 45 (33-2)
982	18442.961	2.960	P145 (31-0)
	18442.885	2.886	R 86 (33-2)
	18442.623	2.625	A 55 (30-1)
983	18442.541	2.572	P 76 (34-2)
		2.541	P 97 (35-2)
		2.536	A 90 (28-0)
984	18442.417	2.416	A 52 (27-0)
		2.385	P 52 (30-1)
	18442.323	2.325	A148 (31-0)
985	18442.241	2.248	P130 (30-0)
		2.238	A153 (30-0)
		2.211	A 84 (31-1)
		2.172	P 85 (31-1)
	18441.988	1.988	R 79 (34-2)
986	18441.813	1.820	P 87 (28-0)
		1.688	P 49 (27-0)
	18441.686	1.653	P 44 (33-2)
987	18441.499	1.495	R 47 (33-2)
	18441.441	1.440	P158 (32-0)
	18441.370	1.368	R100 (35-2)
988	18441.010	1.054	A 56 (30-1)
		1.008	R 55 (27-0)
989	18440.812	0.809	P 53 (30-1)
990	18440.391	0.447	R115 (29-0)
		0.389	P 58 (27-0)
991	18440.240	0.246	P 45 (33-2)
		0.227	P169 (33-0)
	18440.103	0.135	P 77 (34-2)
		0.094	R 46 (33-2)
992	18440.017	0.020	R141 (32-0)
		0.019	R 91 (28-0)
		9.963	P112 (29-0)



LINE	OBS CM-1	CALC	ASSIGNMENT
990	18440.391	0.447	R115 (29-0)
		0.389	P 50 (27-0)
991	18440.246	0.246	P 48 (33-2)
		0.227	P169 (55-0)
	18440.105	0.136	P 77 (34-2)
		0.094	R 48 (33-2)
992	18440.017	0.020	R161 (52-0)
		0.019	R 91 (28-0)
		9.983	P112 (29-0)
993	18439.574	9.617	R 89 (31-1)
		9.582	P 65 (31-1)
		9.572	R 54 (27-0)
		9.539	R 80 (34-2)
994	18439.455	9.454	R 57 (30-1)
	18439.375	9.370	P 96 (35-2)
995	18439.296	9.296	P 88 (28-0)
	18439.205	9.207	P 54 (30-1)
996	18438.944	8.942	P 51 (27-0)
	18438.809	8.809	P 46 (33-2)
	18438.647	8.652	R 49 (33-2)
997	18438.489	8.460	P195 (31-0)
998	18438.382	8.384	P131 (30-0)
		8.292	P134 (30-0)
999	18438.110	8.178	R101 (33-2)
		8.109	R 88 (27-0)
	18437.918	7.949	R172 (33-0)
1000	18437.814	7.825	R 88 (30-1)
		7.805	R149 (31-0)
	18437.666	7.665	P 78 (34-2)
1001	18437.575	7.570	P 55 (30-1)
1002	18437.469	7.471	R 92 (28-0)
		7.458	P 52 (27-0)
	18437.382	7.341	P 47 (33-2)
1003	18437.131	7.178	R 58 (33-2)
		7.131	R116 (29-0)
	18437.061	7.058	R 81 (34-2)
	18436.972	6.992	R 90 (31-1)
		6.982	P 67 (31-1)
1004	18436.793	6.783	P 69 (28-0)
1005	18436.621	6.670	P113 (29-0)
		6.618	R 56 (27-0)
1006	18436.414	6.406	P159 (32-0)
1007	18436.267	6.267	P 59 (30-1)
		6.265	P 99 (35-2)
1008	18435.967	5.966	P 83 (27-0)
		5.914	P 56 (30-1)
	18435.868	5.843	P 48 (33-2)
1009	18435.674	5.674	R 51 (33-2)
1010	18435.100	5.165	P 79 (34-2)
		5.049	R 57 (27-0)
	18434.958	4.960	R168 (32-0)
		4.908	R102 (35-2)
1011	18434.803	4.803	R 93 (28-0)
	18434.696	4.696	P170 (33-0)
	18434.548	4.548	R 82 (30-1)
1012	18434.438	4.440	R 60 (30-1)
		4.437	P 84 (27-0)
1013	18434.323	4.342	P132 (30-0)
		4.337	R 91 (31-1)
		4.315	R135 (30-0)
		4.314	R 89 (33-2)
		4.311	P 88 (31-1)
1014	18434.223	4.229	P 57 (30-1)
1015	18434.161	4.163	P 98 (28-0)
		4.142	R 52 (33-2)
1016	18433.929	3.928	P187 (31-0)
1017	18433.788	3.788	R117 (29-0)
1018	18433.653	3.652	R 58 (27-0)
1019	18433.327	3.327	P114 (29-0)
	18433.254	3.254	R150 (31-0)
1020	18432.882	2.880	P100 (35-2)
		2.879	P 55 (27-0)
1021	18432.760	2.764	R 81 (30-1)
		2.755	P 50 (33-2)
	18432.631	2.632	P 90 (34-2)
1022	18432.579	2.578	R 53 (33-2)
1023	18432.506	2.505	P 58 (30-1)
	18432.287	2.283	R173 (33-0)
		2.286	R 94 (28-0)
		2.203	R 83 (34-2)
1024	18431.980	1.976	R 58 (27-0)
	18431.638	1.696	R103 (35-2)
		1.652	R 92 (31-1)
		1.629	P 89 (31-1)
1025	18431.551	1.550	P 81 (28-0)
1026	18431.297	1.539	P180 (32-0)
		1.295	P 56 (27-0)
	18431.165	1.166	P 51 (33-2)
1027	18431.018	1.016	R 62 (30-1)
		0.983	R 54 (33-2)
1028	18430.757	0.787	P 59 (30-1)
1029	18430.378	0.408	R118 (29-0)
		0.375	R 60 (27-0)
		0.340	P133 (30-0)
		0.307	R136 (30-0)
1030	18430.069	0.067	P 81 (28-0)
1031	18429.954	9.953	P115 (29-0)
	18429.871	9.865	R163 (32-0)
1032	18429.673	9.682	P 67 (27-0)
		9.637	P101 (35-2)
		9.581	R 95 (28-0)
	18429.544	9.544	P 32 (33-2)
	18429.427	9.425	R 88 (34-2)
1033	18429.366	9.362	P198 (31-0)
		9.357	R 85 (33-2)
1034	18429.248	9.243	R 45 (30-1)
	18429.151	9.130	P173 (33-0)
1035	18428.912	8.900	P 68 (30-1)
		8.896	R 93 (31-1)
		8.818	P 98 (31-1)
		8.811	P 92 (28-0)
1036	18428.747	8.745	R 61 (27-0)
	18428.670	8.670	R181 (31-0)
	18428.605	8.608	R104 (35-2)
1037	18428.043	8.042	P 80 (27-0)
1038	18427.892	7.893	P 83 (33-2)
	18427.780	7.781	R 96 (33-2)
	18427.696	7.471	P 82 (34-2)
		7.438	R 64 (30-1)
1039	18427.174	7.173	P 81 (30-1)
1040	18427.090	7.088	R 62 (27-0)
1041	18426.993	7.001	R119 (28-0)
		6.986	R 98 (28-0)
	18426.819	6.616	R 85 (30-2)
	18426.740	6.740	R176 (33-0)
1042	18426.550	6.550	P116 (29-0)
1043	18426.376	6.374	P 59 (27-0)
		6.353	P102 (35-2)
		6.318	P134 (30-0)
1044	18426.248	6.266	R137 (30-0)
		6.243	P 93 (28-0)
		6.236	P161 (32-0)
		6.211	P 98 (33-2)
		6.189	R 94 (31-1)
		6.176	P 91 (31-1)
1045	18426.012	6.014	R 57 (33-2)
1046	18425.606	5.608	R 45 (30-1)
1047	18425.484	5.482	R 63 (27-0)
		5.337	P 62 (30-1)
	18425.079	5.085	R105 (35-2)
	18424.843	4.842	P 83 (34-2)
	18424.757	4.763	P149 (31-0)
		4.736	R164 (32-0)
1048	18424.681	4.679	P 60 (27-0)
	18424.496	4.499	P 55 (33-2)
1049	18424.295	4.296	R 98 (33-2)
		4.293	R 97 (28-0)
	18424.178	4.176	R 86 (34-2)
	18424.052	4.052	R152 (31-0)
1050	18423.691	3.742	R 66 (30-1)
		3.684	R 84 (27-0)
1051	18423.581	3.564	R120 (29-0)
		3.548	P 94 (34-2)
		3.527	P178 (33-0)
	18423.478	3.473	P 63 (30-1)
	18423.404	3.412	R 93 (31-1)
		3.408	P 92 (31-1)
1052	18423.117	3.116	P117 (29-0)
1053	18422.986	3.016	P103 (35-2)
		2.955	P 61 (27-0)
	18422.786	2.756	P 56 (33-2)
	18422.546	2.547	R 59 (33-2)
1054	18422.262	2.253	P135 (30-0)
1055	18422.194	2.194	R138 (30-0)
		2.183	P 84 (34-2)
1056	18421.958	1.948	R 65 (27-0)
	18421.859	1.858	R 67 (30-1)
	18421.727	1.726	R106 (35-2)
1057	18421.572	1.575	P 64 (30-1)
		1.570	R 98 (28-0)
		1.563	R 67 (30-2)
1058	18421.287	1.284	P 62 (27-0)
	18421.184	1.181	R175 (33-0)
		1.180	P142 (32-0)
	18420.982	0.982	P 57 (33-2)
1059	18420.822	0.820	P 95 (28-0)
		0.768	R 60 (33-2)
1060	18420.608	0.604	R 96 (31-1)
		0.601	P 93 (31-1)
1061	18420.142	0.179	R 86 (27-0)
		0.132	P150 (31-0)
1062	18420.049	0.047	R121 (29-0)
	18419.926	9.929	R 68 (30-1)
1063	18419.683	9.655	P 98 (30-1)
		9.653	P118 (29-0)
		9.648	P104 (35-2)
	18419.577	9.571	R169 (32-0)
1064	18419.428	9.440	P 85 (34-2)
		9.426	P 63 (27-0)
		9.401	R153 (31-0)



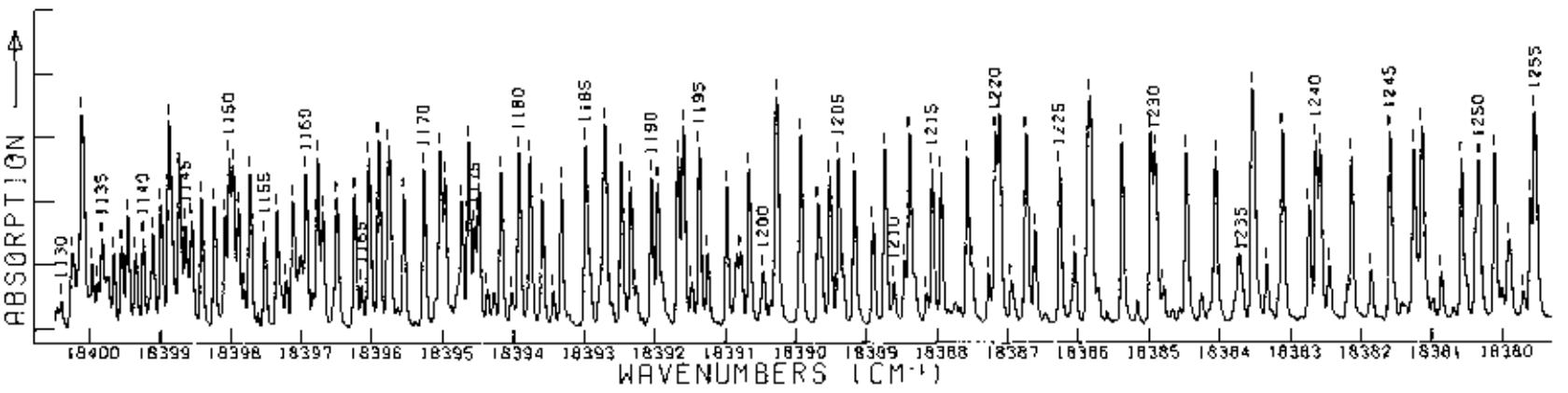
LINE	OBS CM-1	CALC	ASSIGNMENT
1063	18420.182	0.179	R 66 (27-0)
1062	18420.099	0.232	P150 (31-0)
		8.097	R121 (29-0)
	18419.926	9.929	R 68 (30-1)
1063	18419.853	9.455	P 65 (30-1)
		9.653	P114 (29-0)
		9.646	P109 (38-2)
	18419.877	9.571	R105 (32-0)
1044	18419.420	9.490	P 85 (34-2)
		9.426	P 63 (27-0)
		9.401	R153 (31-0)
1065	18419.181	9.178	P 58 (33-2)
1066	18418.958	8.958	R 61 (33-2)
1067	18418.819	8.819	R 99 (28-0)
		8.798	R 88 (34-2)
1068	18418.365	8.382	R 67 (27-0)
1069	18418.162	8.161	P136 (30-0)
1070	18418.069	8.080	R139 (30-0)
		8.065	P 96 (28-0)
	18417.976	7.978	R 69 (30-1)
	18417.888	7.888	P173 (33-0)
	18417.766	7.767	P 94 (31-1)
		7.766	R 97 (31-1)
	18417.705	7.703	P 66 (30-1)
1071	18417.622	7.619	P 69 (27-0)
	18417.450		
1072	18417.344	7.343	P 59 (33-2)
	18417.121	7.117	R 62 (33-2)
	18416.768	6.766	P 86 (34-2)
1073	18416.562	6.509	R122 (29-0)
		6.557	R 68 (27-0)
	18416.291	6.292	P108 (35-2)
1074	18416.161	6.159	P119 (29-0)
1075	18416.040	6.081	R 89 (34-2)
		8.038	R100 (28-0)
		5.986	R 70 (30-1)
	18415.931	5.926	P163 (32-0)
1076	18415.787	5.785	P 65 (27-0)
		8.721	P 87 (30-1)
1077	18415.471	5.477	P 60 (33-2)
		5.467	P151 (31-0)
		5.425	R176 (33-0)
1078	18415.281	5.281	P 97 (28-0)
		5.245	R 63 (33-2)
	18419.902	5.906	P 95 (31-1)
		4.897	R 98 (31-1)

LINE	OBS CM-1	CALC	ASSIGNMENT
1079	18418.708	4.717	R154 (31-0)
		4.795	R 69 (27-0)
	18414.384	4.372	R166 (32-0)
1080	18413.927	4.036	P137 (30-0)
		4.010	P 87 (34-2)
		3.968	R 71 (30-1)
		3.955	R148 (30-0)
		3.925	P 66 (27-0)
1081	18413.711	3.710	P 88 (30-1)
1082	18413.580	3.581	P 61 (33-2)
	18413.341	3.342	R 64 (33-2)
	18413.302	3.292	R 90 (34-2)
1083	18413.228	3.228	R101 (28-0)
		3.212	R 1 (29-1)
		3.201	R 2 (29-1)
		3.194	R 0 (29-1)
		3.162	R 3 (29-1)
1084	18413.073	3.077	R 4 (29-1)
		3.073	P 1 (29-1)
		3.071	R123 (29-0)
		3.008	R 5 (29-1)
		2.978	P 2 (29-1)
1085	18412.826	2.879	R 6 (29-1)
		2.839	P 3 (29-1)
		2.825	R 78 (27-0)
		2.805	P106 (35-2)
	18412.785	2.728	R 7 (29-1)
1086	18412.635	2.686	P 4 (29-1)
		2.634	P120 (29-0)
CALC	**********	2.849	R 8 (29-1)
1087	18412.478	2.495	P 5 (29-1)
		2.466	P 98 (28-0)
	18412.339	2.341	R 9 (29-1)
	18412.278	2.278	P 6 (29-1)
	18412.208	2.213	P174 (33-0)
1088	18412.039	2.106	R 10 (29-1)
		2.035	P 7 (29-1)
		2.033	P 67 (27-0)
		2.009	P 96 (31-1)
1089	18411.957	1.997	R 99 (31-1)
		1.949	R 72 (30-1)
	18411.892	1.892	R 11 (29-1)
	18411.761	1.763	P 8 (29-1)
1090	18411.667	1.669	P 69 (36-1)
		1.659	P 82 (33-0)
	18411.547	1.550	R 12 (29-1)

LINE	OBS CM-1	CALC	ASSIGNMENT
	18411.438	1.443	P 9 (29-1)
		1.409	R 65 (33-2)
1091	18411.225	1.230	R 13 (29-1)
		1.222	P 68 (38-2)
	18411.154	1.138	P 10 (29-1)
1092	18410.918	0.926	R 71 (27-0)
		0.881	R 14 (29-1)
1093	18410.774	0.774	P 11 (29-1)
		0.770	P152 (31-0)
		0.722	P154 (32-0)
	18410.499	0.505	R 15 (29-1)
		0.851	R 91 (34-2)
1094	18410.390	0.394	P 12 (29-1)
		0.369	R102 (28-0)
1095	18410.116	0.115	P 68 (27-0)
		0.100	R 16 (29-1)
	18409.992	0.008	R155 (31-0)
		9.981	P 13 (29-1)
1096	18409.862	9.881	R 73 (30-1)
		9.851	P138 (30-0)
1097	18409.768	9.787	R141 (30-0)
		9.712	R177 (33-0)
1098	18409.627	9.696	P 63 (33-2)
		9.667	R 17 (29-1)
		9.627	P 99 (28-0)
		9.600	P 70 (30-1)
1099	18409.514	9.481	P 14 (29-1)
		9.812	R124 (29-0)
	18409.447	9.445	R 86 (33-2)
	18409.333	9.335	P107 (35-2)
	18409.203	9.205	R 18 (29-1)
1100	18409.078	9.137	R107 (32-0)
		9.084	P 97 (31-1)
		9.080	P121 (29-0)
		9.072	P 15 (29-1)
		9.067	R100 (31-1)
1101	18408.983	8.980	R 72 (27-0)
1102	18408.711	8.714	R 19 (29-1)
	18408.578	8.574	P 16 (29-1)
	18408.400	8.402	P 89 (34-2)
1103	18408.173	8.108	R 20 (29-1)
		8.170	P 69 (27-0)
	18408.060	8.049	P 17 (29-1)
	18407.960		
	18407.900		
	18407.783	7.783	R 74 (30-1)

LINE	OBS CM-1	CALC	ASSIGNMENT
1104	18407.857	7.707	P 64 (33-2)
		7.658	R 92 (34-2)
		7.642	R 21 (29-1)
1105	18407.517	7.521	R143 (28-0)
		7.501	P 71 (30-1)
		7.495	P 18 (29-1)
		7.440	R 67 (33-2)
1106	18407.018	7.078	R 22 (29-1)
		7.016	R 73 (27-0)
	18406.912	6.913	P 19 (29-1)
	18406.758	6.756	P100 (28-0)
1107	18406.678	6.678	P 93 (29-1)
1108	18406.479	6.478	R 23 (29-1)
	18406.300	6.303	P 20 (29-1)
1109	18406.199	6.198	P 70 (27-0)
1110	18406.120	6.129	P 96 (31-1)
		6.106	R101 (31-1)
		6.039	P153 (31-0)
1111	18405.928	5.925	R125 (29-0)
	18405.839	5.845	R 24 (29-1)
1112	18405.681	5.692	P139 (30-0)
		5.686	P 65 (33-2)
		5.656	R 75 (30-1)
	18405.583	5.587	R142 (30-0)
		5.549	P 90 (34-2)
1113	18405.494	5.495	P122 (29-0)
		5.481	P160 (32-0)
	18405.429	5.423	R 68 (33-2)
	18405.376	5.372	P 72 (30-1)
1114	18405.266	5.249	R108 (31-0)
1115	18405.186	5.186	R 25 (29-1)
	18405.028	5.024	R 76 (27-0)
		4.998	P 92 (29-1)
	18404.817	4.792	R 93 (34-2)
1116	18404.624	4.624	R104 (28-0)
	18404.497	4.498	R 26 (29-1)
	18404.341	4.300	P 23 (29-1)
1117	18404.197	4.198	P 71 (27-0)
	18403.957	3.963	R178 (32-0)
1118	18403.808	3.867	R168 (32-0)
		3.856	P101 (28-0)
1119	18403.749	3.743	R 27 (29-1)
	18403.636	3.637	P 66 (33-2)
	18403.577	3.581	P 24 (29-1)
	18403.499	3.499	R 76 (30-1)
	18403.367	3.366	R 69 (33-2)
	18403.278		

LINE	OBS CM-1	CALC	ASSIGNMENT
	18403.216	3.214	P 75 (30-1)
	18403.133	3.143	P 99 (31-1)
		3.114	R102 (31-1)
1120	18403.006	3.039	R 26 (29-1)
		3.003	R 78 (27-0)
1121	18402.829	2.829	P 25 (29-1)
1122	18402.687	2.665	P 91 (34-2)
1123	18402.296	2.303	R126 (29-0)
		2.267	R 29 (29-1)
1124	18402.160	2.166	P 72 (27-0)
	18402.068	2.058	P 26 (29-1)
1125	18401.882	1.894	R 94 (34-2)
		1.889	P123 (29-0)
1126	18401.697	1.697	R105 (28-0)
	18401.556	1.584	P 67 (33-2)
1127	18401.467	1.478	P140 (30-0)
		1.467	R 30 (29-1)
CALC	**********	1.356	R143 (30-0)
CALC	**********	1.313	R 77 (30-1)
CALC	**********	1.278	R 70 (33-2)
CALC	**********	1.278	P154 (31-0)
CALC	**********	1.242	P 27 (29-1)
	18401.029	1.027	P 74 (30-1)
1128	18400.949	0.986	R 74 (27-0)
		0.987	P102 (28-0)
	18400.787		
1129	18400.636	0.638	R 33 (29-1)
	18400.466	0.454	R157 (31-0)
1130	18400.445	0.406	P 28 (29-1)
1131	18400.239	0.244	R 1 (26-0)
		0.238	R 2 (26-0)
		0.243	R 0 (26-0)
		0.205	R 3 (26-0)
		0.206	P106 (32-0)
1132	18400.106	0.156	R 4 (26-0)
		0.126	P100 (31-1)
		0.121	P 1 (26-0)
		0.100	P 73 (27-0)
		0.091	R103 (31-1)
		0.079	R 5 (26-0)
		0.019	P 2 (26-0)
1133	18399.967	9.986	R 6 (26-0)
1134	18399.886	9.891	P 3 (26-0)
1135	18399.826	9.826	R 7 (26-0)
		9.781	R 32 (29-1)
	18399.756	9.768	R 42 (34-2)
		9.736	P 4 (26-0)



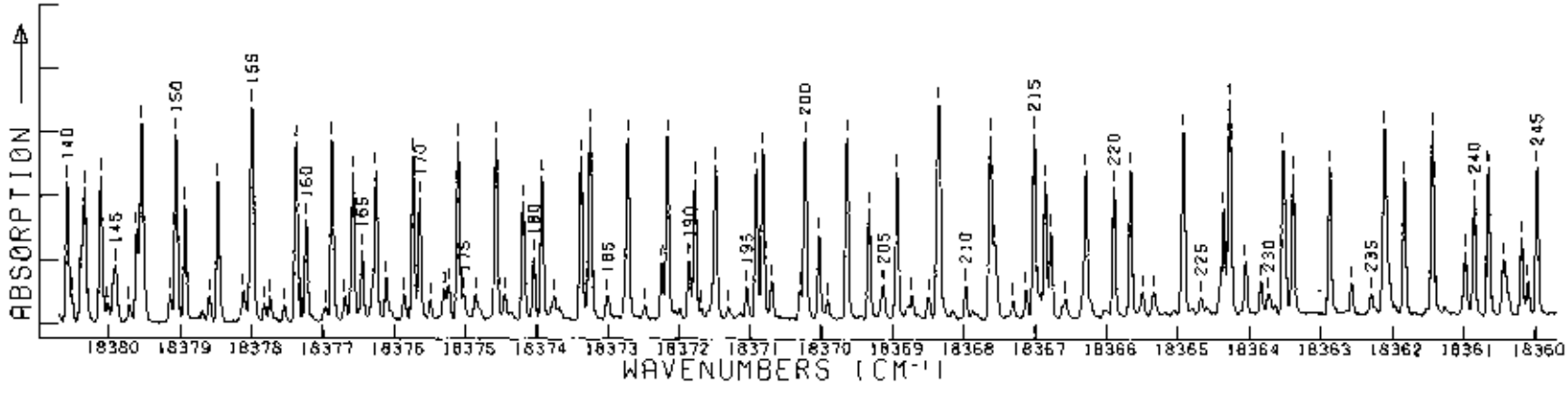
LINE	OBS CM-1	CALC	ASSIGNMENT
	18400.466	0.466	R157 (31-0)
1130	18400.405	0.406	P 28 (29-1)
1131	18400.259	0.264	R 1 (26-0)
		0.258	R 2 (26-0)
		0.243	R 5 (26-0)
		0.225	R 3 (26-0)
		0.206	P166 (32-0)
1132	18400.106	0.166	R 4 (26-0)
		0.126	P100 (31-1)
		0.121	P 1 (26-0)
		0.109	P 73 (27-0)
		0.091	R103 (31-1)
		0.079	R 5 (26-0)
		0.019	P 2 (26-0)
1133	18399.967	9.966	R 6 (26-0)
1134	18399.888	9.891	P 3 (26-0)
1135	18399.826	9.826	R 7 (26-0)
		9.781	R 32 (29-1)
	18399.760	9.749	P 92 (30-2)
		9.736	P 4 (26-0)
1136	18399.658	9.659	R 8 (26-0)
1137	18399.580	9.554	P 5 (26-0)
		9.542	P 29 (29-1)
1138	18399.484	9.465	R 9 (26-0)
		9.446	P 58 (33-2)
1139	18399.349	9.345	P 6 (26-0)
1140	18399.286	9.284	R 10 (26-0)
1141	18399.108	9.159	R 71 (33-2)
		9.109	P 7 (26-0)
		9.097	R 78 (30-1)
1142	18398.996	8.997	R 11 (26-0)
		8.968	R 95 (30-2)
1143	18398.880	8.886	R 33 (29-1)
		8.879	R 77 (27-0)
		8.867	P 8 (26-0)
		8.811	P 75 (30-1)
1144	18398.736	8.741	R186 (28-0)
		8.722	R 12 (26-0)
1145	18398.652	8.653	R127 (29-0)
		8.609	P 30 (29-1)
1146	18398.559	8.563	R149 (32-0)
		8.547	P 9 (26-0)
1147	18398.420	8.421	R 13 (26-0)
1148	18398.239	8.241	P 10 (26-0)
		8.238	P124 (29-0)
		8.176	R179 (33-0)
1149	18398.092	8.095	R 14 (26-0)
1150	18398.027	8.026	P 74 (27-0)
1151	18397.974	7.982	P 34 (29-1)
		7.949	P103 (26-0)
1152	18397.898	7.898	P 11 (26-0)
1153	18397.822		

LINE	OBS CM-1	CALC	ASSIGNMENT
1154	18397.736	7.738	R 15 (26-0)
		7.729	P 31 (29-1)
1155	18397.527	7.528	P 12 (26-0)
1156	18397.385	7.386	R 16 (26-0)
1157	18397.308	7.301	P 69 (33-2)
1158	18397.224	7.223	P161 (30-0)
1159	18397.130	7.131	P 13 (26-0)
	18397.028	7.042	R144 (30-0)
		7.029	P101 (31-1)
		7.010	R 35 (29-1)
		7.007	R104 (31-1)
		7.000	R 72 (33-2)
1160	18396.947	6.947	R 17 (26-0)
	18396.850	6.852	R 79 (30-1)
1161	18396.778	6.800	P 93 (34-2)
		6.779	R 52 (29-1)
		6.775	R 78 (27-0)
1162	18396.707	6.707	P 14 (26-0)
1163	18396.610	6.565	P 76 (30-1)
		6.511	R 18 (26-0)
		6.478	P155 (31-0)
1164	18396.257	6.257	P 15 (26-0)
1165	18396.163		
1166	18396.051	6.070	R 36 (29-1)
		6.068	R 19 (26-0)
		6.001	R 96 (34-2)
		5.941	P 75 (27-0)
1167	18395.914	5.902	P 33 (29-1)
1168	18395.770	5.756	R107 (34-0)
		5.646	R156 (31-0)
1169	18395.669	5.559	R 20 (26-0)
1170	18395.276	5.275	P 17 (26-0)
1171	18395.095	5.107	P 70 (33-2)
		5.071	R 37 (29-1)
		5.043	R 21 (26-0)
1172	18394.981	4.982	P106 (28-0)
		4.972	R128 (29-0)
	18394.894	4.895	P167 (32-0)
	18394.806	4.827	R 73 (33-2)
		4.796	P 34 (29-1)
1173	18394.745	4.744	P 18 (26-0)
1174	18394.645	4.643	R 74 (27-0)
1175	18394.563	4.577	P 80 (30-1)
		4.509	P125 (29-0)
1176	18394.500	4.499	R 22 (26-0)
1177	18394.382		
	18394.292	4.289	P 77 (30-1)
1178	18394.186	4.186	P 19 (26-0)
1179	18394.043	4.044	R 38 (29-1)
		4.000	P102 (31-1)
1180	18393.930	3.953	R105 (31-1)
		3.929	R 23 (26-0)

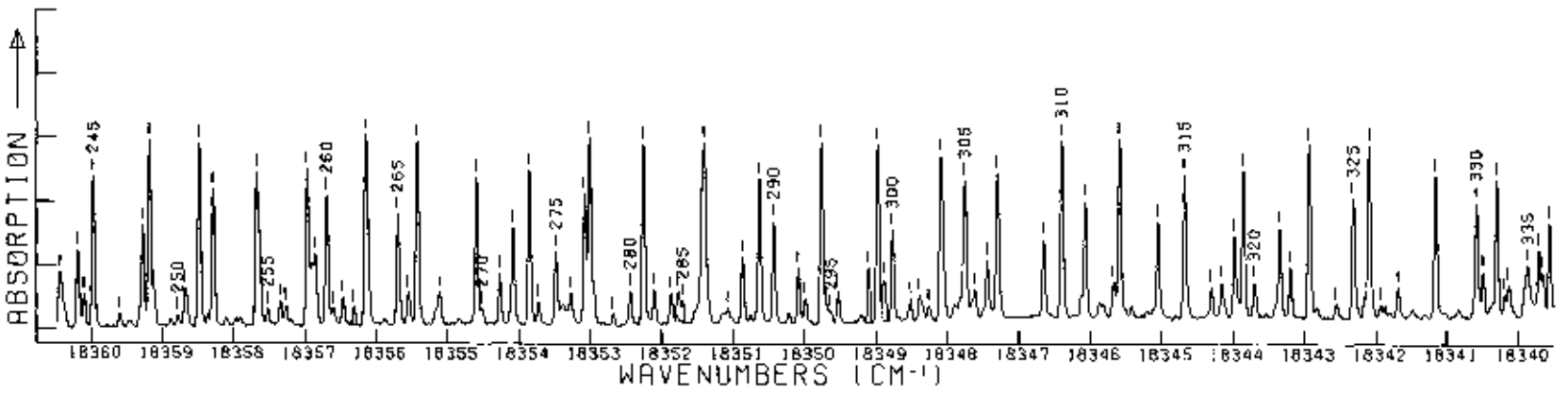
LINE	OBS CM-1	CALC	ASSIGNMENT
1181	18393.771	3.819	P 94 (34-2)
		3.773	P 76 (27-0)
		3.762	P 35 (29-1)
		3.661	P 20 (26-0)
1182	18393.681		
1183	18393.547		
1184	18393.332	3.332	R 24 (26-0)
	18393.228	3.222	R170 (32-0)
1185	18392.980	3.008	R 97 (34-2)
		2.989	P 21 (26-0)
		2.969	R 39 (29-1)
		2.940	P142 (30-0)
		2.922	P 71 (33-2)
	18392.795	2.797	R195 (30-0)
		2.742	R108 (28-0)
1186	18392.712	2.708	R 25 (26-0)
		2.706	P 36 (29-1)
	18392.618	2.615	R 74 (33-2)
1187	18392.495	2.493	R 80 (27-0)
1188	18392.380	2.353	R180 (35-0)
		2.389	P 22 (26-0)
1189	18392.278	2.272	R 81 (30-1)
1190	18392.056	2.057	R 26 (26-0)
1191	18391.968	1.964	P 78 (30-1)
		1.956	P105 (28-0)
		1.905	R 40 (29-1)
1192	18391.688	1.685	P 23 (26-0)
		1.497	R156 (31-0)
1193	18391.486	1.489	P 37 (29-1)
		1.462	P 77 (27-0)
1194	18391.480		
1195	18391.379	1.379	R 27 (26-0)
1196	18391.261	1.260	R129 (29-0)
1197	18390.982	0.992	P 24 (26-0)
CALC	**********	0.891	P103 (31-1)
CALC	**********	0.853	P126 (29-0)
CALC	**********	0.837	R106 (31-1)
CALC	**********	0.806	P 95 (34-2)
1198	18390.797	0.794	R159 (31-0)
		0.793	R 41 (29-1)
1199	18390.576	0.686	P 72 (33-2)
		0.675	R 28 (26-0)
1200	18390.475	0.491	P 38 (29-1)
	18390.374	0.372	R 75 (33-2)
1201	18390.285	0.294	R 42 (27-0)
		0.273	P 25 (26-0)
1202	18389.943	9.979	R 98 (34-2)
		9.943	R 29 (26-0)
		9.938	R 82 (30-1)
1203	18389.698	9.688	R109 (28-0)
		9.652	R 43 (29-1)
		9.650	P 79 (30-1)

LINE	OBS CM-1	CALC	ASSIGNMENT
1204	18389.528	9.500	P186 (32-0)
		9.526	P 26 (26-0)
1205	18389.409	9.405	P 78 (27-0)
1206	18389.350	9.343	P 39 (29-1)
1207	18389.185	9.184	P 30 (26-0)
1208	18388.926	8.921	P186 (28-0)
1209	18388.754	8.753	P 27 (26-0)
1210	18388.627	8.625	P143 (30-0)
1211	18388.477	8.483	P 43 (29-1)
		8.469	R146 (30-0)
1212	18388.400	8.420	P 73 (33-2)
		8.399	R 31 (26-0)
1213	18388.336		
1214	18388.166	8.168	P 40 (29-1)
1215	18388.041	8.097	R 75 (33-2)
		8.078	P 82 (27-0)
1216	18387.983	7.953	P 28 (26-0)
	18387.858	7.847	R171 (32-0)
	18387.763	7.761	P 96 (34-2)
		7.752	P108 (31-1)
	18387.683	7.691	R107 (31-0)
1217	18387.586	7.586	R 32 (26-0)
		7.576	R 83 (30-1)
1218	18387.521	7.518	R130 (29-0)
1219	18387.285	7.286	R 44 (29-1)
		7.286	P 80 (30-1)
1220	18387.184	7.181	P 79 (27-0)
1221	18387.125	7.126	P 29 (26-0)
		7.116	P127 (29-0)
1222	18386.964	6.964	P 41 (29-1)
		6.919	R 99 (34-2)
1223	18386.797	6.765	P187 (31-0)
		6.747	R 33 (26-0)
1224	18386.628	6.625	R110 (28-0)
	18386.483	6.492	R181 (33-0)
1225	18386.273	6.272	P 30 (26-0)
1226	18386.067	6.122	P 76 (33-2)
		6.060	R 45 (29-1)
1227	18385.944	5.908	R160 (31-0)
		5.880	R 34 (26-0)
		5.896	P107 (28-0)
		5.833	R 83 (27-0)
		5.707	R 77 (33-2)
	18385.735	5.731	P 42 (29-1)
1228	18385.391	5.391	P 31 (26-0)
	18385.183	5.181	R 84 (30-1)
1229	18384.987	4.987	R 35 (26-0)
1230	18384.929	4.928	P 80 (27-0)
		4.892	P 81 (30-1)
1231	18384.868	4.866	R 46 (29-1)
	18384.688	4.683	P 97 (34-2)
	18384.583	4.581	P109 (31-1)

LINE	OBS CM-1	CALC	ASSIGNMENT
1232	18384.482	4.523	R185 (31-1)
		4.484	P 32 (26-0)
		4.471	P 43 (29-1)
	18384.281	4.279	P144 (30-0)
1233	18384.068	4.169	P169 (32-0)
		4.104	R147 (30-0)
		4.064	R 36 (26-0)
1234	18383.745	3.827	R190 (30-0)
		3.793	P 75 (33-2)
		3.745	R131 (29-0)
1235	18383.709		
1236	18383.647	3.561	R 88 (27-0)
		3.549	P 33 (26-0)
		3.523	R 47 (29-1)
		3.523	R111 (28-0)
		3.485	R 76 (33-2)
		3.349	P128 (29-0)
1237	18383.348	3.342	P108 (28-0)
1238	18383.120	3.181	P 44 (29-1)
		3.119	R 37 (26-0)
1239	18382.796	2.757	R 85 (30-1)
		2.742	P109 (28-0)
		2.607	P 81 (27-0)
1240	18382.649	2.587	P 34 (26-0)
1241	18382.508	2.467	P 82 (30-1)
1242	18382.466	2.469	R 48 (29-1)
		2.436	R174 (32-0)
	18382.314	2.212	R 48 (29-1)
1243	18382.185	2.144	R 38 (26-0)
1244	18381.869	1.866	P158 (31-0)
		1.854	P 45 (29-1)
1245	18381.680	1.599	P 35 (26-0)
		1.573	P 98 (34-2)
	18381.434	1.433	P 74 (33-2)
	18381.368	1.340	P166 (31-1)
1246	18381.261	1.305	R189 (31-1)
		1.266	R 85 (27-0)
1247	18381.144	1.143	R 39 (26-0)
		1.087	R 79 (33-2)
	18380.998	0.948	R161 (31-0)
1248	18380.871	0.873	R 49 (29-1)
	18380.788	0.782	R101 (34-2)
1249	18380.563	0.553	P 36 (26-0)
		0.534	P 46 (29-1)
1250	18380.341	0.391	R112 (28-0)
		0.339	P 82 (27-0)
		0.304	R 86 (30-1)
1251	18380.115	0.115	R 40 (26-0)
	18380.021	0.017	P 83 (30-1)
1252	18379.911	9.941	R150 (29-0)
		9.900	P168 (30-0)
1253	18379.714	9.717	R148 (30-0)
1254	18379.609	9.609	P180 (28-0)
1255	18379.543	9.551	P129 (29-0)
		9.540	P 37 (26-0)
		9.505	R 50 (29-1)



LINE	OBS CM-1	CALC	ASSIGNMENT
140	18380.583	0.583	P 36 (26-0)
141	18380.523	0.518	P 46 (29-1)
142	18380.342	0.391	R132 (26-0)
		0.339	P 52 (27-0)
		0.304	R 84 (30-1)
143	18380.115	0.115	R 98 (26-0)
144	18380.020	0.017	P 53 (30-1)
145	18379.911	9.981	R132 (29-0)
		9.908	P145 (30-0)
146	18379.715	9.717	R148 (30-0)
147	18379.606	9.609	P109 (28-0)
148	18379.542	9.551	P129 (29-0)
		9.540	P 37 (26-0)
		9.505	R 50 (29-1)
149	18379.145	9.144	P 97 (29-1)
150	18378.959	9.059	R 41 (25-0)
		9.042	P 77 (33-2)
151	18378.931	8.931	R 66 (27-0)
	18378.788	8.754	P170 (32-0)
	18378.693	8.688	R 80 (33-2)
152	18378.589		
153	18378.478	8.471	P 38 (26-0)
		8.431	P 99 (34-2)
154	18378.111	8.348	P107 (31-1)
		8.108	R 51 (28-1)
		8.065	R110 (31-1)
156	18377.998	8.062	P 83 (27-0)
		7.977	R 42 (26-0)
156	18377.623	7.622	R 67 (30-1)
157	18377.739	7.741	P 48 (29-1)
158	18377.036	7.040	R102 (34-2)
		7.535	P 84 (30-1)
159	18377.373	7.374	P 59 (26-0)
160	18377.230	7.250	R113 (28-0)
161	18376.961	6.989	R173 (32-0)
		6.955	R159 (31-0)
162	18376.880	6.867	R 43 (26-0)
163	18376.695	6.683	R 52 (29-1)
164	18376.574	6.621	P 78 (33-2)
		6.574	R 87 (27-0)
165	18376.446	6.447	P110 (28-0)
166	18376.280	6.336	P 49 (29-1)
		6.257	R 81 (33-2)
		6.251	P 40 (26-0)
167	18376.105	6.107	R133 (29-0)
	18376.041	6.036	R162 (31-0)
168	18375.855		
169	18375.731	5.731	R 44 (26-0)
		5.723	P130 (29-0)
170	18375.638	5.637	P 84 (27-0)
171	18375.492	5.490	P146 (30-0)
172	18375.296	5.316	R 68 (30-1)
		5.292	R149 (30-0)
173	18375.231	5.206	P180 (34-2)
		5.224	R 53 (29-1)
174	18375.100	5.109	P 91 (28-0)
175	18375.016	5.023	P 89 (30-1)
176	18374.882	4.885	P168 (33-1)
		4.850	P 50 (29-1)
		4.819	R115 (28-0)
177	18374.568	4.567	R 45 (26-0)
178	18374.439		
	18374.386	4.355	R103 (34-2)
179	18374.187	4.188	R 88 (27-0)
		4.167	P 79 (33-2)
180	18374.038	4.039	R114 (28-0)
181	18373.982	3.983	P 42 (26-0)
182	18373.748	3.796	R 82 (33-2)
		3.747	R 54 (29-1)
183	18373.375	3.376	R 46 (26-0)
		3.362	P 51 (29-1)
184	18373.248	3.303	P171 (32-0)
		3.255	P111 (28-0)
		3.244	P 85 (27-0)
185	18373.001		
186	18372.718	2.767	R 69 (30-1)
		2.718	P 43 (26-0)
187	18372.479	2.481	P 86 (30-1)
188	18372.240	2.242	R134 (29-0)
		2.237	R 55 (29-1)
189	18372.159	2.159	R 47 (26-0)
	18372.053	2.049	P101 (34-2)
	18371.992	1.991	P160 (31-0)
190	18371.858	1.856	P131 (29-0)
		1.845	P 52 (29-1)
191	18371.778	1.774	R 89 (27-0)
192	18371.684	1.683	P 88 (33-2)
193	18371.587	1.591	P109 (31-1)
		1.587	R179 (32-0)
		1.493	R112 (31-1)
		1.487	P 44 (26-0)
194	18371.303	1.303	R 83 (33-2)
	18371.136	1.132	R104 (34-2)
195	18371.048	1.049	R163 (31-0)
		1.047	P147 (30-0)
196	18370.915	0.914	R 48 (26-0)
197	18370.822	0.836	R150 (30-0)
		0.823	P 86 (27-0)
		0.819	R115 (28-0)
198	18370.696	0.697	R 56 (29-1)
199	18370.300	0.300	P 53 (29-1)
200	18370.226	0.228	P 45 (26-0)
		0.195	R 90 (30-1)
201	18370.032	0.039	P112 (28-0)
202	18369.910	9.910	P 87 (30-1)
203	18369.693	9.692	R 49 (26-0)
204	18369.331	9.332	R 98 (27-0)
205	18369.132	9.168	P 81 (33-2)
		9.136	R 57 (29-1)
206	18368.942	8.943	P 46 (26-0)
	18368.787	8.810	P102 (34-2)
		8.779	R 84 (33-2)
207	18368.726	8.727	P 54 (29-1)
208	18368.498		
209	18368.355	8.373	P 87 (27-0)
		8.345	R135 (29-0)
		8.343	R 50 (26-0)
	18368.159	8.160	R113 (31-1)
210	18367.973	7.975	P132 (28-0)
	18367.878	7.877	R105 (34-2)
	18367.815	7.817	P172 (32-0)
211	18367.659	7.630	P 47 (26-0)
212	18367.573	7.569	R 91 (30-1)
		7.549	R116 (28-0)
		7.533	R 58 (29-1)
213	18367.330	7.309	P 88 (30-1)
214	18367.126	7.125	P 55 (29-1)
215	18367.016	7.017	R 51 (26-0)
216	18366.861	6.862	R 91 (27-0)
217	18366.781	6.784	P113 (28-0)
218	18366.573	6.621	P 62 (33-2)
		6.573	P148 (30-0)
219	18366.291	6.347	R151 (30-0)
		6.291	P 48 (26-0)
		6.223	R 85 (33-2)
	18366.023	6.027	R164 (31-0)
		5.989	R178 (32-0)
220	18365.897	5.908	R 59 (29-1)
		5.896	P 89 (27-0)
221	18365.663	5.664	R 52 (26-0)
222	18365.492	5.538	P103 (34-2)
		5.494	P 56 (29-1)
223	18365.334		
	18365.082		
224	18364.925	4.942	R 92 (30-1)
		4.924	P 90 (26-0)
		4.910	P111 (31-1)
	18364.795	4.796	R118 (31-1)
225	18364.677	4.679	P 89 (30-1)
	18364.588	4.589	R106 (34-2)
226	18364.384	4.418	R136 (29-0)
		4.364	R 62 (27-0)
227	18364.282	4.289	R117 (28-0)
		4.283	R 93 (26-0)
		4.255	R 60 (29-1)
228	18364.051	4.064	P133 (29-0)
		4.044	P 93 (33-2)
229	18363.835	3.835	P 97 (29-1)
230	18363.728		
	18363.639	3.634	R 86 (33-2)
231	18363.526	3.538	P 50 (26-0)
		3.505	P119 (28-0)
232	18363.389	3.398	P 93 (27-0)
233	18362.876	2.876	R 94 (26-0)
234	18362.573	2.572	R 61 (29-1)
235	18362.296	2.300	R 93 (30-1)
	18362.239	2.233	P184 (34-2)
236	18362.108	2.108	P 58 (29-1)
		2.109	P 91 (26-0)
		2.066	P149 (30-0)
		2.018	P 90 (30-1)
	18361.963	1.961	P162 (31-0)
237	18361.838	1.837	R 93 (27-0)
		1.825	R152 (30-0)
	18361.524	1.523	P112 (31-1)
238	18361.442	1.441	R 95 (26-0)
		1.435	P 94 (33-2)
		1.408	R119 (31-1)
	18361.265	1.269	R107 (34-2)
239	18360.978	1.018	R 87 (33-2)
		0.986	R118 (26-0)
		0.972	R185 (31-0)
240	18360.886	0.861	R 62 (29-1)
		0.807	P 98 (27-0)
241	18360.661	0.661	R 82 (26-0)
242	18360.490	0.460	R137 (29-0)
		0.435	R176 (32-0)
		0.431	P 59 (29-1)
243	18360.198	0.195	P115 (28-0)
244	18360.104	0.103	P134 (29-0)
245	18359.979	9.979	R 96 (26-0)



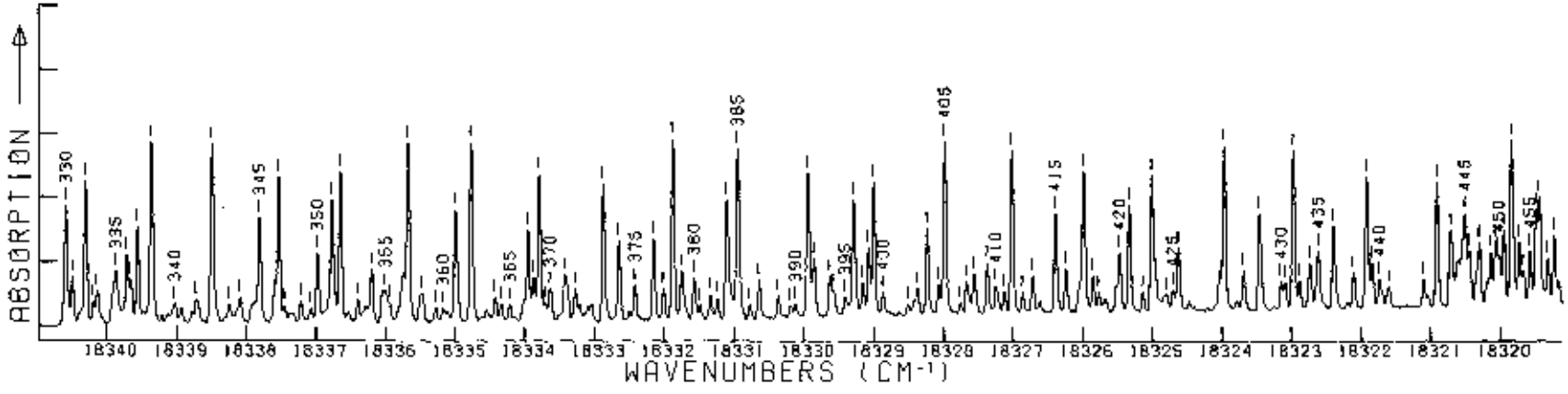
LINE	OBS CM-1	CALC	ASSIGNMENT
282	18360.440	0.460	R137 (29-0)
		0.435	R176 (32-0)
		0.431	P 58 (28-1)
283	18360.195	0.195	P115 (28-0)
284	18359.384	0.103	P134 (29-0)
285	18359.979	9.979	R 56 (26-0)
286	18359.686	9.689	R 90 (30-1)
287	18359.282	9.328	P 91 (30-1)
		9.282	R 94 (27-0)
288	18359.187	9.184	P 53 (26-0)
289	18358.124	9.122	P 63 (29-1)
	18358.896	8.896	P108 (34-2)
850	18358.792	8.794	P 85 (33-2)
291	18358.685	8.687	P 60 (29-1)
292	18358.498	8.490	R 57 (26-0)
CALC	**********	8.368	R 88 (33-2)
293	18358.293	8.295	P 91 (27-0)
	18358.103	8.105	P113 (31-1)
	18357.973	7.974	R116 (31-1)
	18357.911	7.918	R108 (34-2)
294	18357.683	7.684	P 84 (26-0)
		7.642	R119 (28-0)
256	18357.526	7.527	P158 (36-0)
286	18357.351	7.384	R 84 (26-1)
287	18357.273	7.271	R153 (30-0)
288	18354.973	6.974	R 88 (26-0)
259	18356.859	6.915	P 61 (29-1)
		6.896	P145 (31-0)
		6.887	R 95 (30-1)
		6.857	P116 (28-0)
280	18356.496	6.496	R 95 (27-0)
261	18356.408	6.409	P 92 (30-1)
262	18356.469	6.471	R136 (29-0)
263	18356.321	*****	ARTIFACT

LINE	OBS CM-1	CALC	ASSIGNMENT
264	18356.152	6.156	P 85 (28-0)
		6.125	P 88 (33-2)
		6.102	P135 (29-0)
	18355.685	5.685	R106 (31-0)
268	18355.782	5.704	P 92 (27-0)
		5.647	R 89 (33-2)
266	18355.555	5.567	R 85 (29-1)
		5.526	P108 (34-2)
267	18355.431	5.431	R 59 (26-0)
268	18355.118	5.111	P 82 (29-1)
	18354.843	4.846	R177 (32-0)
269	18354.698	4.655	P114 (31-1)
		4.598	P 56 (26-0)
270	18354.530	4.516	R117 (31-1)
271	18354.272	4.274	R120 (28-0)
272	18354.086	4.136	R 96 (30-1)
		4.085	R 96 (27-0)
273	18353.804	3.868	R 80 (26-0)
		3.859	P 93 (30-1)
274	18353.736	3.731	R 86 (29-1)
275	18353.468	3.468	P117 (28-0)
	18353.348	3.480	P 87 (33-2)
	18353.348		
276	18353.280	3.281	P 83 (29-1)
277	18353.086	3.086	P 93 (27-0)
278	18353.015	3.015	P 57 (26-0)
		2.974	R 90 (33-2)
		2.956	P101 (30-0)
279	18352.884	2.884	R108 (30-0)
280	18352.489	2.480	R139 (29-0)
281	18352.262	2.262	R 81 (26-0)
282	18352.109	2.124	P107 (34-2)
		2.109	P136 (29-0)
283	18351.876	1.877	R 87 (29-1)
CALC	**********	1.796	P164 (31-0)
284	18351.771	*****	ARTIFACT

LINE	OBS CM-1	CALC	ASSIGNMENT
285	18351.712	*****	ARTIFACT
286	18351.410	1.446	R 97 (27-0)
		1.421	P 64 (29-1)
		1.404	P 58 (26-0)
		1.355	R 97 (30-1)
287	18351.081	1.175	P113 (31-1)
		1.079	P 94 (30-1)
	18351.039	1.026	R118 (31-1)
288	18350.874	0.876	R121 (28-0)
	18350.761	0.759	R167 (31-0)
289	18350.637	0.606	P 88 (33-2)
		0.637	R 62 (26-0)
290	18350.437	0.438	P 94 (27-0)
	18350.232	0.230	R 91 (33-2)
291	18350.087	0.091	P118 (28-0)
292	18349.993	9.993	R 66 (29-1)
293	18349.767	9.766	P 59 (26-0)
294	18349.699		
295	18349.636		
296	18349.534	9.533	P 65 (29-1)
	18349.214	9.220	R178 (32-0)
297	18349.109	*****	ARTIFACT
298	18348.984	8.985	R 63 (26-0)
299	18348.896	*****	ARTIFACT
300	18348.778	8.777	R 98 (27-0)
	18348.689	8.689	P108 (34-2)
301	18348.583	8.583	R 98 (30-1)
302	18348.395	8.398	R140 (29-0)
		8.358	P152 (30-0)
303	18348.286	8.270	P 95 (30-1)
304	18348.098	8.101	P 60 (26-0)
		8.082	R 69 (29-1)
		8.066	P137 (29-0)
		8.068	R155 (30-0)
	18347.917	7.920	P 89 (33-2)
305	18347.761	7.764	P 95 (27-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
306	18347.620	7.663	P116 (31-1)
		7.617	P 66 (26-1)
307	18347.448	7.508	R119 (31-1)
		7.454	R 92 (33-2)
		7.448	R122 (28-0)
308	18347.305	7.305	R 64 (26-0)
309	18346.663	6.664	P119 (28-0)
		6.668	P165 (31-0)
310	18346.408	6.409	P 61 (26-0)
311	18346.079	6.141	R 70 (29-1)
		6.080	R 99 (27-0)
	18345.878		
	18345.822		
312	18345.677	5.702	R 99 (30-1)
		5.672	P 67 (29-1)
313	18345.596	5.601	R168 (31-0)
		5.598	R 65 (26-0)
	18345.431	5.431	P 96 (30-1)
	18345.218	5.221	P104 (34-2)
314	18345.060	5.183	P 98 (33-2)
		5.061	P 96 (27-0)
315	18344.689	4.686	P 82 (26-0)
		4.607	R 93 (33-2)
316	18344.314	4.317	R191 (29-0)
317	18344.168	4.171	R 71 (29-1)
		4.121	P117 (31-1)
318	18343.940	3.991	P138 (29-0)
		3.990	R123 (28-0)
		3.953	R120 (31-1)
319	18343.864	3.864	R 66 (26-0)
320	18343.705	3.717	P153 (30-0)
		3.608	P 68 (29-1)
	18343.552	3.559	R179 (32-0)
321	18343.352	3.413	R156 (30-0)
		3.354	R100 (27-0)
322	18343.203	3.206	P128 (28-0)
323	18342.943	2.943	P 63 (26-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
	18342.829	2.830	R100 (30-1)
324	18342.562	2.568	P 97 (30-1)
325	18342.326	2.329	P 97 (27-0)
		2.295	P 91 (33-2)
326	18342.101	2.173	R 72 (29-1)
		2.102	R 67 (26-0)
327	18341.982		
	18341.879		
	18341.809	1.808	R 94 (33-2)
328	18341.697	1.695	P 69 (29-1)
	18341.494	1.496	P144 (31-0)
329	18341.168	1.169	P 64 (26-0)
	18340.869		
330	18340.598	0.600	R101 (27-0)
331	18340.502	0.547	P114 (31-1)
		0.503	R128 (28-0)
332	18340.313	0.309	R169 (31-0)
		0.370	R121 (31-1)
		0.314	R 68 (26-0)
333	18340.201	0.203	R142 (29-0)
334	18340.143	0.146	R 73 (29-1)
335	18339.879	9.929	R101 (30-1)
		9.866	P139 (29-0)
		9.859	R 1 (28-1)
		9.850	R 2 (28-1)
		9.840	R 0 (28-1)
		9.814	R 3 (28-1)
336	18339.719	9.750	R 4 (28-1)
		9.721	P121 (29-0)
		9.719	P 1 (28-1)
337	18339.663	9.664	P 70 (29-1)
		9.662	P 98 (30-1)
		9.650	R 5 (28-1)
		9.617	P 2 (28-1)
338	18339.568	9.569	P 98 (27-0)
		9.540	R 6 (28-1)



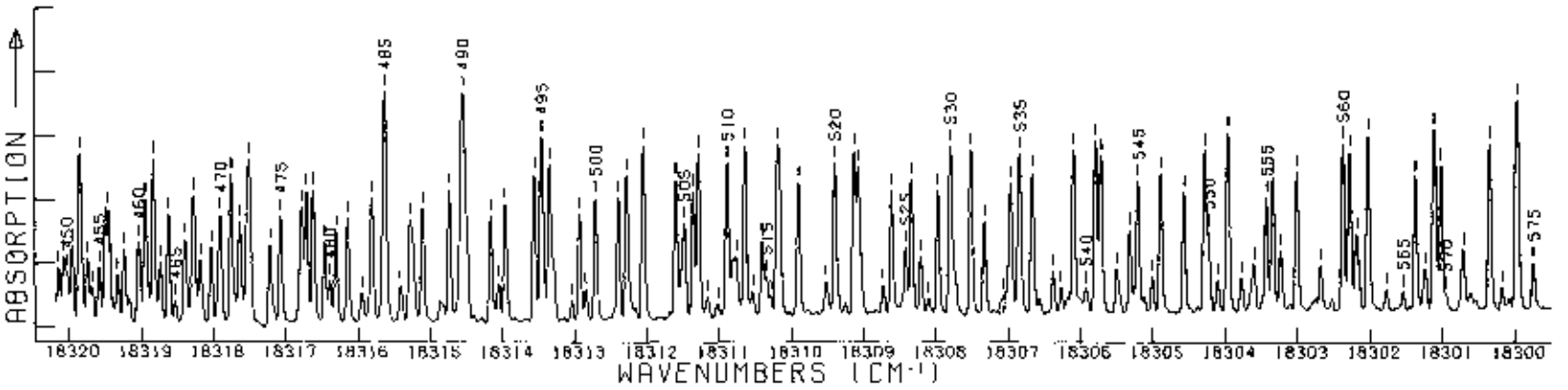
LINE	OBS CM-1	CALC	ASSIGNMENT
330	18340.598	0.600	R101 (27-0)
331	18340.582	0.547	P114 (31-1)
		0.503	R124 (26-0)
332	18340.313	0.409	R169 (31-0)
		0.370	R121 (31-1)
		0.314	R 68 (26-0)
333	18340.201	0.203	R142 (29-0)
334	18340.143	0.146	R 75 (29-1)
335	18339.879	9.929	R101 (30-1)
		9.866	P139 (29-0)
		9.859	R 1 (28-1)
		9.850	R 2 (28-1)
		9.840	R 8 (28-1)
		9.814	R 3 (28-1)
336	18339.719	9.750	R 4 (28-1)
		9.721	P121 (26-0)
		9.719	P 1 (28-1)
337	18339.663	9.664	P 70 (29-1)
		9.652	P 98 (30-1)
		9.650	R 5 (28-1)
		9.617	P 2 (28-1)
338	18339.066	9.589	P 99 (27-0)
		9.590	R 6 (28-1)
	18339.489	9.487	P 3 (28-1)
339	18339.368	9.435	P 92 (33-2)
		9.398	R 7 (28-1)
		9.368	P 65 (26-0)
		9.330	P 4 (28-1)
	18339.289	9.219	R 8 (28-1)
	18339.134	9.185	P 5 (28-1)
340	18339.030	9.044	P154 (30-0)
		9.016	R 9 (28-1)
	18338.937	8.938	R 95 (33-2)
		8.932	P 6 (28-1)
	18338.786	8.787	R 10 (28-1)
341	18338.726	8.729	R157 (30-0)
		8.692	P 7 (28-1)
342	18338.498	8.529	R 11 (28-1)
		8.497	R 69 (26-0)
		8.424	P 8 (28-1)
343	18338.247	8.244	R 12 (28-1)
344	18338.092	8.128	P 9 (28-1)
		8.090	R 74 (29-1)
345	18337.815	7.932	R 13 (28-1)
		7.817	R102 (27-0)
		7.805	P 10 (28-1)
	18337.600	7.604	P 71 (29-1)
		7.591	R 14 (28-1)
346	18337.539	7.539	P 66 (26-0)
347	18337.458	7.454	P 11 (28-1)
	18337.378		

LINE	OBS CM-1	CALC	ASSIGNMENT
	18337.337		
348	18337.222	7.223	R 15 (28-1)
349	18337.083	7.076	P 12 (28-1)
350	18336.985	6.997	R102 (30-1)
		6.986	R125 (26-0)
		6.941	P119 (31-1)
351	18336.779	6.807	R 16 (28-1)
		6.780	P 99 (27-0)
		6.755	R122 (31-1)
		6.733	P 99 (30-1)
352	18336.655	6.669	P 13 (28-1)
		6.654	R 78 (26-0)
	18336.540	6.544	P 93 (33-2)
353	18336.403	6.404	R 17 (28-1)
	18336.299	6.295	P167 (31-0)
354	18336.204	6.235	P 14 (28-1)
		6.205	P122 (28-0)
355	18336.008	6.058	R143 (29-0)
		6.036	R 96 (33-2)
		6.005	R 75 (29-1)
356	18335.952	5.953	R 18 (28-1)
	18335.753	5.774	P 15 (28-1)
		5.750	P105 (29-0)
357	18335.684	5.689	P 67 (26-0)
358	18335.481	5.515	P 72 (29-1)
		5.479	R 19 (28-1)
359	18335.284	5.285	P 16 (28-1)
360	18335.181	5.183	R170 (31-0)
	18335.122		
361	18335.002	5.005	R103 (27-0)
		4.988	R 20 (28-1)
362	18334.781	4.783	R 71 (26-0)
		4.768	P 17 (28-1)
	18334.617		
	18334.554		
363	18334.435	4.435	R 21 (28-1)
364	18334.348	4.348	P155 (30-0)
365	18334.222	4.223	P 18 (28-1)
	18334.147	4.035	R103 (30-1)
366	18333.960	4.012	R158 (30-0)
		3.965	P100 (27-0)
367	18333.884	3.891	R 76 (29-1)
		3.871	R 22 (28-1)
368	18333.799	3.801	P 68 (26-0)
		3.774	P100 (30-1)
369	18333.714		
370	18333.645	3.651	P 19 (28-1)
		3.621	P 94 (33-2)
371	18333.434	3.439	R126 (28-0)
		3.397	P 73 (29-1)

LINE	OBS CM-1	CALC	ASSIGNMENT
372	18333.285	3.304	P120 (31-1)
		3.282	R 23 (28-1)
	18333.221		
	18333.103	3.104	R123 (31-1)
		3.102	R 97 (33-2)
	18333.056	3.051	P 20 (28-1)
373	18332.989	2.895	R 72 (26-0)
374	18332.659	2.665	R 24 (28-1)
		2.660	P123 (28-0)
	18332.509		
375	18332.426	2.434	P 21 (28-1)
376	18332.163	2.165	R104 (27-0)
377	18332.021	2.019	R 25 (28-1)
378	18331.889	1.890	P 69 (26-0)
		1.882	R144 (29-0)
379	18331.768	1.769	P 22 (28-1)
		1.749	R 77 (29-1)
380	18331.582	1.583	P141 (29-0)
381	18331.498		
382	18331.349	1.347	R 26 (28-1)
383	18331.251	1.251	P 74 (29-1)
384	18331.114	1.118	P101 (27-0)
		1.086	P 23 (28-1)
		1.060	P168 (31-0)
		1.043	R104 (30-1)
		0.959	R 73 (26-0)
		0.785	P101 (30-1)
385	18330.989	0.967	R 27 (28-1)
386	18330.877	0.875	P 24 (28-1)
387	18330.650	0.667	P 95 (33-2)
		0.646	R 27 (28-1)
388	18330.377	0.375	P 25 (28-1)
389	18330.200		
390	18330.126	0.136	R 98 (33-2)
391	18329.952	9.943	P 79 (26-0)
		9.922	R171 (31-0)
		9.918	R 28 (28-1)
392	18329.863	9.862	R127 (28-0)
393	18329.633	9.637	P 26 (28-1)
		9.636	P121 (31-1)
		9.615	P156 (30-0)
394	18329.582	9.577	R 78 (29-1)
395	18329.418	9.429	R124 (31-1)
396	18329.293	9.297	R105 (27-0)
		9.261	R159 (30-0)
397	18329.101	9.102	R 29 (28-1)
398	18329.079	9.085	P124 (28-0)
		9.076	P 75 (29-1)
399	18329.005	9.006	R 74 (26-0)
400	18328.871	8.871	P 96 (28-1)
401	18328.717		
402	18328.368	8.378	R 30 (28-1)

LINE	OBS CM-1	CALC	ASSIGNMENT
403	18328.268	8.244	P102 (27-0)
404	18328.077	8.077	R 27 (28-1)
405	18327.988	8.021	R105 (30-1)
		7.988	P 71 (26-0)
406	18327.768	7.766	P102 (30-1)
407	18327.675	7.681	P 98 (33-2)
		7.674	R145 (29-0)
408	18327.564	7.567	R 31 (28-1)
409	18327.379	7.384	P142 (29-0)
		7.377	R 79 (29-1)
410	18327.253	7.258	P 28 (28-1)
411	18327.135	7.139	R 99 (33-2)
412	18327.024	7.026	R 75 (26-0)
413	18326.869	6.871	P 76 (29-1)
414	18326.725	6.724	A 32 (28-1)
	18326.625		
415	18326.401	6.406	P 29 (28-1)
		6.400	R106 (27-0)
416	18326.251	6.258	R128 (28-0)
417	18325.995	5.996	P 72 (26-0)
		5.937	P122 (31-1)
418	18325.859	5.861	R 33 (28-1)
419	18325.777	5.781	P169 (31-0)
	18326.683	5.719	R125 (31-1)
420	18325.477	5.629	P 30 (28-1)
		5.480	P125 (28-0)
421	18325.339	5.342	P183 (27-0)
422	18325.145	5.147	R 80 (29-1)
423	18325.015	5.016	R 76 (26-0)
		4.968	R106 (30-1)
		4.966	R 34 (28-1)
	18324.849	4.849	P157 (30-0)
424	18324.790		
425	18324.709	4.717	P103 (30-1)
426	18324.631	4.663	P 97 (33-2)
		4.658	P 77 (29-1)
		4.626	R172 (31-0)
		4.625	P 31 (28-1)
	18324.477	4.478	R160 (30-0)
427	18323.977	4.110	R180 (33-2)
		4.043	R 35 (28-1)
		3.976	P 73 (26-0)
	18323.798		
428	18323.695	3.692	P 32 (28-1)
429	18323.471	3.474	R107 (27-0)
		3.438	R146 (29-0)
430	18323.158	3.155	P143 (29-0)
431	18323.095	3.093	R 36 (28-1)
432	18322.982	2.982	R 77 (26-0)
433	18322.690	2.689	R 81 (29-1)

LINE	OBS CM-1	CALC	ASSIGNMENT
434	18322.739	2.732	P 33 (28-1)
435	18322.621	2.618	R129 (28-0)
436	18322.486	2.611	P108 (27-0)
		2.377	P 78 (29-1)
	18322.296	2.206	P123 (31-1)
437	18322.115	2.115	R 37 (28-1)
438	18321.929	1.978	R126 (31-1)
		1.929	P 74 (26-0)
		1.885	R107 (30-1)
		1.845	P126 (26-0)
439	18321.795	1.746	P 34 (28-1)
441	18321.609	1.637	P104 (30-1)
		1.614	P 98 (33-2)
442	18321.116	1.109	R 38 (28-1)
	18321.051	1.048	R101 (33-2)
443	18320.918	0.920	R 78 (26-0)
444	18320.721	0.730	R 1 (28-0)
		0.729	P 35 (28-1)
		0.726	R 2 (28-0)
		0.704	R 0 (25-0)
		0.698	R 3 (28-0)
	18320.615	0.636	R 4 (25-0)
		0.601	R 82 (29-1)
		0.585	P 1 (25-0)
445	18320.518	0.554	R 5 (25-0)
		0.519	R108 (27-0)
		0.488	P170 (31-0)
		0.469	P 2 (25-0)
446	18320.451	0.465	R 6 (25-0)
447	18320.310	0.367	P 3 (25-0)
		0.308	R 7 (25-0)
448	18320.146	0.203	P 4 (25-0)
		0.146	R 8 (25-0)
449	18320.077	0.046	P 79 (29-1)
		0.015	R 39 (28-1)
450	18320.032	0.050	P158 (30-0)
		0.023	P 5 (25-0)
451	18319.958	9.987	R 9 (25-0)
452	18319.854	9.855	P 75 (26-0)
		9.817	P 6 (25-0)
453	18319.743	9.742	R 10 (25-0)
454	18319.683	9.685	P 36 (28-1)
		9.662	R161 (30-0)
455	18319.586	9.580	P 7 (25-0)
456	18319.500	9.500	R 11 (25-0)
457	18319.451	9.451	P105 (27-0)
458	18319.328	9.325	P 8 (25-0)
		9.296	R175 (31-0)
459	18319.233	9.232	R 12 (25-0)
	18319.165	9.165	R147 (29-0)



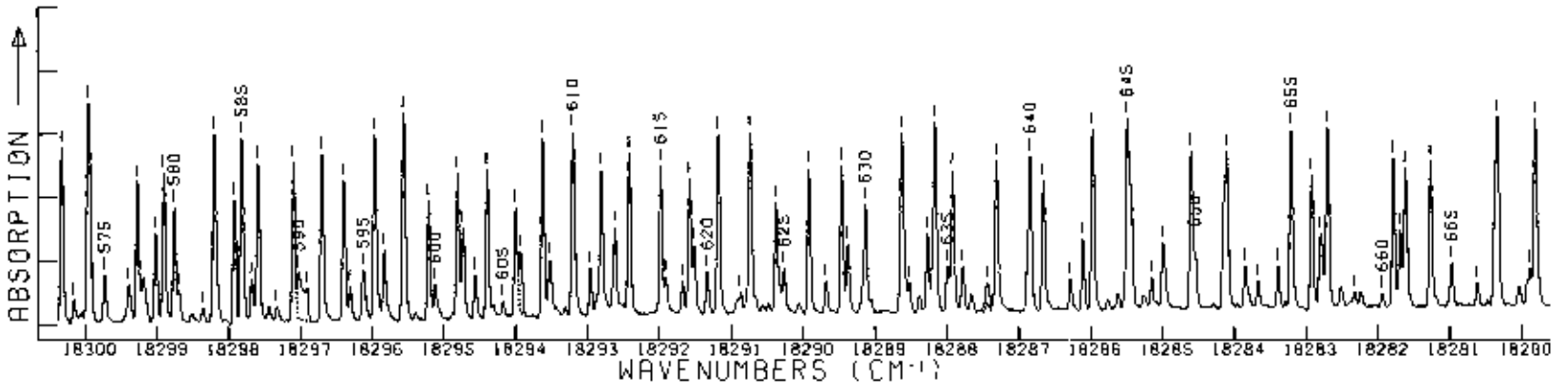
LINE	OBS CM-1	CALC	ASSIGNMENT
448	18320.146	0.203	P 4 (25-0)
		0.146	R 8 (25-0)
449	18320.077	0.086	P 79 (26-1)
		0.076	R 39 (28-1)
450	18320.032	0.050	P158 (30-0)
		0.023	P 5 (25-0)
451	18319.958	0.957	R 9 (25-0)
452	18319.854	0.856	P 75 (26-0)
		9.817	P 6 (25-0)
453	18319.763	9.762	R 10 (25-0)
454	18319.683	9.685	P 36 (28-1)
		9.662	R161 (30-0)
455	18319.589	9.584	P 7 (28-0)
456	18319.500	9.500	R 11 (25-0)
457	18319.451	9.481	P185 (27-0)
458	18319.325	9.325	P 8 (25-0)
		9.296	R173 (31-0)
459	18319.232	9.232	R 12 (25-0)
	18319.165	9.165	R147 (29-0)
460	18319.070	9.060	P 9 (25-0)
		9.013	R 48 (28-1)
461	18318.941	8.952	R138 (29-0)
		8.938	R 13 (25-0)
		8.894	P144 (29-0)
462	18318.829	8.829	R 79 (26-0)
463	18318.730	8.772	R100 (30-1)
		8.728	P 18 (25-0)
464	18318.617	8.617	R 14 (25-0)
		8.614	P 37 (28-1)
465	18318.527	8.533	P 98 (33-2)
		8.528	P105 (30-1)
466	18318.391	8.390	P 11 (25-0)
467	18318.273	8.265	R 83 (28-1)
		8.270	R 15 (25-0)
468	18318.179	8.204	R127 (31-1)
		8.180	P127 (28-0)
469	18318.027	8.026	P 12 (25-0)
470	18317.901	7.956	R102 (33-2)
		7.924	R 91 (28-1)
		7.897	R 16 (25-0)
471	18317.753	7.766	P 80 (29-1)
		7.754	P 76 (26-0)
472	18317.655	7.655	P 13 (25-0)
473	18317.568	7.536	R109 (27-0)
		7.515	P 38 (28-1)
		7.497	R 17 (25-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
474	18317.219	7.218	P 14 (25-0)
475	18317.070	7.071	R 18 (25-0)
476	18316.777	6.807	R 42 (28-1)
		6.774	P 15 (25-0)
477	18316.710	6.711	R 80 (26-0)
478	18316.618	6.618	R 19 (25-0)
479	18316.460	6.463	P186 (27-0)
480	18316.389	6.388	P 38 (28-1)
481	18316.304	6.304	P 16 (25-0)
482	18316.140	6.139	R 20 (25-0)
483	18315.947	5.939	R 84 (29-1)
484	18315.808	5.806	P 17 (25-0)
485	18315.629	5.601	R 43 (28-1)
		5.634	R 21 (25-0)
		5.628	R109 (30-1)
		5.624	P 77 (26-0)
486	18315.412	5.401	P100 (33-2)
		5.418	P 81 (29-1)
		5.386	P108 (30-1)
487	18315.279	5.266	P 18 (25-0)
		5.255	R132 (28-0)
		5.234	P 40 (29-1)
		5.219	P139 (30-0)
488	18315.103	5.150	P171 (31-0)
		5.102	R 22 (25-0)
	18314.855	4.865	R148 (29-0)
		4.832	R103 (33-2)
		4.815	R162 (30-0)
489	18314.736	4.737	P 19 (25-0)
490	18314.552	4.602	P145 (29-0)
		4.566	R 81 (26-0)
		4.544	P 23 (25-0)
		4.524	R110 (27-0)
		4.488	R 44 (28-1)
		4.486	P128 (28-0)
	18314.397	4.399	P186 (31-1)
	18314.291		
491	18314.161	4.161	P 20 (25-0)
492	18314.055	4.051	P 41 (28-1)
493	18313.968	3.960	R 24 (25-0)
		3.931	R174 (31-0)
494	18313.568	3.564	R 85 (29-1)
		3.560	P 81 (26-0)
495	18313.438	3.460	P 78 (26-0)
		3.447	P107 (27-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
496	18313.348	3.349	R 25 (25-0)
	18313.295	3.287	R 95 (28-1)
497	18313.257	3.240	P 82 (29-1)
498	18312.932	2.931	P 22 (25-0)
499	18312.843	2.841	P 42 (28-1)
500	18312.712	2.712	R 26 (25-0)
501	18312.392	2.454	R110 (30-1)
		2.393	R 82 (26-0)
502	18312.276	2.277	P 23 (25-0)
		2.277	P181 (33-2)
		2.218	P187 (30-1)
	18312.160		
503	18312.040	2.059	R 96 (28-1)
		2.048	R 27 (25-0)
	18311.671	1.675	R164 (33-2)
504	18311.599	1.603	P 43 (28-1)
		1.596	P 24 (25-0)
505	18311.443	1.428	R132 (28-0)
		1.403	R111 (27-0)
506	18311.359	1.358	R 28 (25-0)
507	18311.284	1.284	P 79 (26-0)
508	18311.160	1.160	R 86 (29-1)
509	18311.017		
510	18310.888	0.889	P 25 (25-0)
	18310.802	0.802	R 47 (28-1)
511	18310.764	0.762	P139 (29-0)
512	18310.640	0.641	R 29 (25-0)
		0.634	P 83 (29-1)
513	18310.553	0.562	R129 (31-1)
		0.530	R149 (29-0)
514	18310.400	0.402	P184 (27-0)
515	18310.343	0.356	P160 (30-0)
		0.337	P 44 (28-1)
516	18310.283	0.279	P196 (29-0)
517	18310.182	0.193	R 87 (26-0)
		0.155	P 26 (25-0)
518	18309.898	9.951	R163 (30-0)
		9.898	R 30 (25-0)
	18309.773	9.778	P172 (31-0)
519	18309.518	9.517	R 45 (28-1)
520	18309.394	9.398	P 27 (25-0)
	18309.248	9.250	R111 (30-1)
521	18309.129	9.129	R 31 (25-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
522	18309.072	9.101	P192 (33-2)
		9.073	P 80 (28-0)
		9.045	P 45 (28-1)
		9.018	P106 (30-1)
523	18308.728	8.728	R 87 (29-1)
524	18308.608	8.609	P 28 (25-0)
		8.551	R175 (33-0)
525	18308.412	8.487	R105 (33-2)
		8.418	R112 (27-0)
526	18308.335	8.333	R 32 (28-0)
527	18308.205	8.205	R 49 (28-1)
		8.198	P 84 (29-1)
528	18308.095		
529	18307.965	7.969	R 84 (26-0)
530	18307.792	7.796	P 29 (25-0)
		7.771	R183 (28-0)
		7.732	P 46 (28-1)
531	18307.510	7.510	R 33 (25-0)
532	18307.325	7.328	P194 (27-0)
533	18307.060	*****	ARTIFACT
534	18306.967	7.007	P136 (28-0)
		6.956	P 30 (25-0)
535	18306.836	6.864	R 50 (28-1)
		6.834	P 85 (29-1)
536	18306.662	6.693	R130 (31-1)
		6.661	R 34 (25-0)
	18306.560		
537	18306.373	6.372	P 97 (28-1)
538	18306.268	6.265	R 88 (29-1)
	18306.161	6.165	R150 (29-0)
539	18306.091	6.091	P 31 (25-0)
		6.015	R112 (30-1)
540	18305.921	5.925	P197 (29-0)
		5.893	P105 (33-2)
541	18305.787	5.788	P109 (30-1)
		5.778	R 35 (25-0)
542	18305.710	5.738	P 88 (29-1)
		5.709	R 85 (26-0)
543	18305.494	5.496	R 51 (28-1)
		5.459	R141 (30-0)
544	18305.313	5.318	R115 (27-0)
		5.267	R106 (33-2)
545	18305.198	5.199	P 32 (25-0)
	18305.115		
546	18304.997	5.016	R164 (30-0)
		4.995	P 98 (28-1)

LINE	OBS CM-1	CALC	ASSIGNMENT
547	18304.885	4.884	R 36 (25-0)
548	18304.868	4.867	P 82 (26-0)
	18304.368		
549	18304.279	4.280	P 33 (28-0)
550	18304.226	4.225	P110 (27-0)
551	18304.100	4.100	R 52 (28-1)
552	18303.958	3.963	R134 (28-0)
		3.956	R 37 (25-0)
553	18303.772	3.774	R 89 (29-1)
554	18303.596	3.590	P 49 (28-1)
555	18303.425	3.426	R 86 (26-0)
556	18303.334	3.335	P 34 (25-0)
557	18303.226	3.248	P 86 (29-1)
		3.223	R151 (28-0)
	18303.098	3.097	R176 (31-0)
558	18303.001	3.001	R 38 (25-0)
CALC	**********	2.792	R133 (31-1)
CALC	**********	2.750	R113 (30-1)
559	18302.676	2.675	R 53 (28-1)
		2.654	P104 (33-2)
	18302.526	2.527	P110 (30-1)
560	18302.384	2.363	P 35 (25-0)
561	18302.273	2.274	P 83 (26-0)
562	18302.179	2.186	R114 (27-0)
563	18301.996	2.157	P 88 (28-1)
	18301.929	2.028	R 39 (25-0)
		2.014	R107 (33-2)
564	18301.778	1.769	R151 (29-0)
565	18301.540	1.539	P185 (29-0)
566	18301.386	1.365	P 36 (25-0)
567	18301.231	1.254	R 90 (29-1)
		1.223	R 54 (28-1)
568	18301.106	1.115	R 87 (26-0)
		1.094	P111 (27-0)
569	18301.012	1.012	R 40 (25-0)
570	18300.958		
571	18300.705	0.736	P 87 (29-1)
		0.696	P 51 (28-1)
	18300.631		
	18300.529	0.550	P182 (30-0)
572	18300.341	0.341	P 37 (25-0)
573	18300.173	0.166	R135 (28-0)
	18300.069	0.068	R165 (30-0)
574	18299.969	9.976	R 41 (25-0)
		9.952	P 89 (26-0)
575	18299.745	9.743	R 85 (28-1)



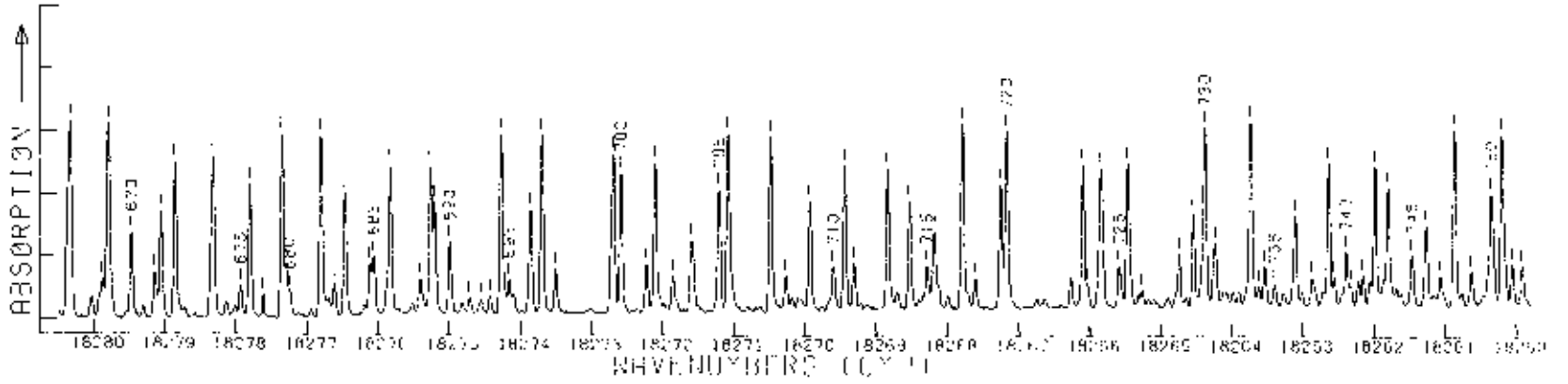
LINE	OBS CM-1	CALC	ASSIGNMENT
572	18300.341	0.341	P 37 (25-0)
573	18300.173	0.166	R135 (29-0)
	18300.069	0.068	R165 (30-0)
574	18299.969	9.978	R 81 (25-0)
		9.952	P 84 (26-0)
575	18299.745	9.745	R 55 (24-1)
576	18299.407	9.484	R114 (30-1)
		9.484	P132 (28-0)
		9.362	P105 (33-2)
577	18299.298	9.290	P 38 (25-0)
	18299.204	9.236	P111 (30-1)
		9.207	P 52 (26-1)
578	18298.983	8.852	R115 (27-0)
579	18298.918	8.917	R 92 (25-0)
		8.859	R138 (31-1)
580	18298.775	8.776	R 88 (26-0)
581	18298.708	8.730	R108 (33-2)
		8.706	R 91 (29-1)
	18298.530		
582	18298.372		
583	18298.214	8.234	R 56 (28-1)
		8.213	P 39 (25-0)
		8.166	P 88 (29-1)
584	18297.933	7.934	P112 (27-0)
585	18297.851	7.830	R 43 (25-0)
586	18297.692	7.690	P 53 (26-1)
587	18297.602	7.624	R177 (31-0)
		7.603	P 85 (28-0)
	18297.495		
588	18297.340	7.340	R152 (30-0)
589	18297.210	7.122	P149 (29-0)
		7.109	P 48 (25-0)
590	18297.053	*****	ARTIFACT
591	18296.920	*****	ARTIFACT
592	18296.714	6.716	R 44 (25-0)
		6.698	P 37 (28-1)

LINE	OBS CM-1	CALC	ASSIGNMENT
593	18296.409	6.410	R 89 (26-0)
594	18296.318	6.318	R136 (28-0)
595	18296.136	6.145	P 54 (28-1)
		6.127	R119 (30-1)
		6.125	R 92 (29-1)
		6.079	P106 (33-2)
596	18295.997	5.979	P 91 (25-0)
		5.915	P112 (30-1)
597	18295.843	5.847	R116 (27-0)
598	18295.576	5.585	P 89 (29-1)
		5.576	R 95 (25-0)
		5.568	P103 (30-0)
		5.565	P133 (28-0)
	18295.408	5.413	R109 (33-2)
599	18295.224	5.287	P 86 (25-0)
600	18295.134	5.134	R 58 (28-1)
		5.086	R106 (30-0)
	18294.892	4.894	R133 (31-1)
601	18294.821	4.822	P 42 (25-0)
602	18294.745	4.746	P113 (27-0)
603	18294.574	4.572	P 95 (26-1)
604	18294.410	4.409	R 46 (25-0)
	18294.318		
605	18294.190		
606	18294.015	4.016	R 90 (26-0)
607	18293.948	*****	ARTIFACT
608	18293.638	3.639	P 43 (25-0)
609	18293.537	3.541	R 59 (28-1)
		3.517	P 93 (29-1)
	18293.449		
	18293.389		
610	18293.213	3.216	R 47 (25-0)
611	18292.973	2.975	P 90 (30-1)
		2.972	P 56 (28-1)

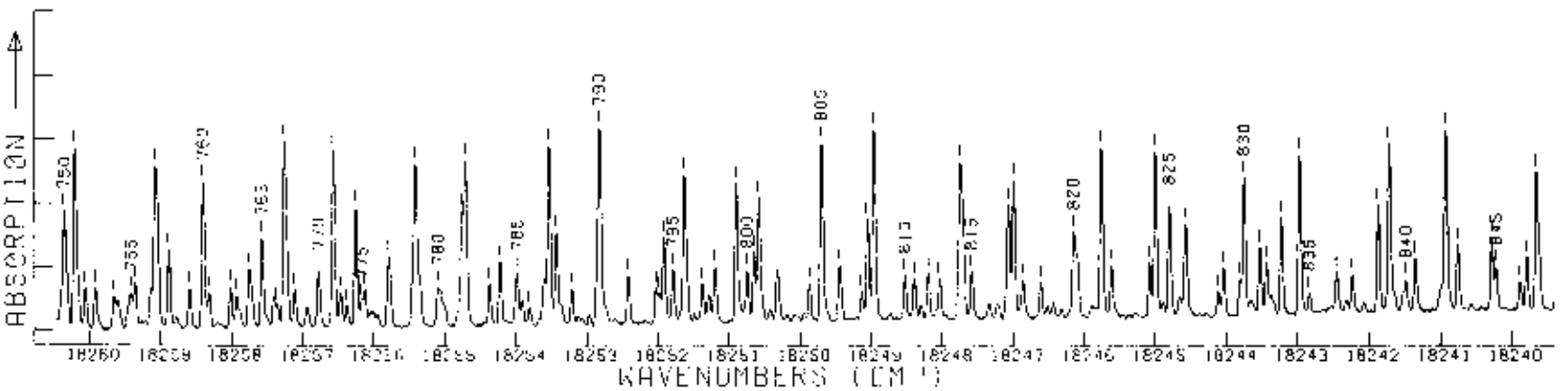
LINE	OBS CM-1	CALC	ASSIGNMENT
612	18292.822	2.821	R133 (29-0)
		2.823	P 87 (26-0)
		2.770	R116 (30-1)
		2.764	P107 (33-2)
613	18292.652	2.674	P150 (29-0)
		2.633	R117 (27-0)
	18292.567	2.563	P113 (30-1)
614	18292.430	2.440	R137 (28-0)
		2.429	P 44 (25-0)
	18292.125	2.123	R178 (31-0)
615	18291.995	1.996	R 48 (25-0)
616	18291.923	1.921	R 60 (28-1)
617	18291.689	1.691	P134 (28-0)
618	18291.593	1.594	R 91 (26-0)
619	18291.526	1.526	P114 (27-0)
620	18291.344	1.343	P 57 (26-1)
621	18291.193	1.193	P 45 (25-0)
622	18290.880	0.886	R134 (31-1)
		0.880	R 94 (29-1)
623	18290.748	0.749	R 49 (25-0)
	18290.571	0.572	P164 (30-0)
	18290.494		
624	18290.361	0.391	P 88 (26-0)
		0.336	P 91 (29-1)
625	18290.272	0.272	R 61 (28-1)
CALC	**********	0.072	R167 (30-0)
626	18289.930	9.930	P 46 (25-0)
627	18289.687	9.686	P 58 (26-1)
628	18289.478	9.476	R 50 (25-0)
629	18289.386	9.390	R116 (27-0)
		9.383	R117 (30-1)
		9.377	P108 (33-2)
630	18289.146	9.161	P119 (30-1)
		9.145	R 62 (26-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
631	18288.639	8.641	P 47 (25-0)
		8.595	R 62 (28-1)
632	18288.531	8.532	R138 (28-0)
CALC	**********	8.389	R154 (29-0)
633	18288.280	8.282	P115 (27-0)
634	18288.177	8.213	P 93 (29-1)
		8.194	P151 (29-0)
		8.176	R 51 (25-0)
635	18288.002	8.001	P 89 (26-1)
636	18287.932	7.932	P 89 (26-0)
637	18287.788	7.788	P135 (28-0)
	18287.665	7.668	P 92 (29-1)
638	18287.448	*****	ARTIFACT
639	18287.382	7.325	P 48 (25-0)
640	18286.883	6.841	R 63 (28-1)
		6.869	R135 (31-1)
		6.850	R 52 (25-0)
641	18286.667	6.668	R 93 (26-0)
642	18286.298	6.288	P 90 (26-1)
643	18286.116	6.118	R119 (27-0)
644	18285.980	5.982	P 49 (25-0)
		5.976	P109 (33-2)
		5.965	R116 (30-1)
	18285.766	5.768	P115 (30-1)
	18285.629		
645	18285.497	5.544	P165 (30-0)
		5.517	R 96 (29-1)
		5.496	R 53 (25-0)
646	18285.480	5.445	P 98 (26-0)
	18285.270		
647	18285.158	5.158	R 64 (28-1)
648	18285.003	5.023	R186 (30-0)
		5.007	P116 (27-0)
		4.976	P 93 (29-1)

LINE	OBS CM-1	CALC	ASSIGNMENT
649	18284.611	4.613	P 50 (25-0)
		4.595	R 62 (28-1)
650	18284.540	4.546	P 61 (28-1)
651	18284.117	4.163	R 98 (26-0)
		4.117	R 54 (25-0)
652	18283.856	3.886	P155 (29-0)
		3.852	P136 (28-0)
653	18283.680	3.682	P152 (29-0)
654	18283.398	3.387	R 65 (28-1)
655	18283.216	3.216	P 51 (25-0)
656	18282.930	2.930	P 91 (26-0)
657	18282.802	2.817	R120 (27-0)
		2.808	R136 (30-1)
		2.791	R 97 (29-1)
		2.770	P 82 (28-1)
658	18282.709	2.711	R 55 (25-0)
	18282.581	2.847	P128 (33-2)
		2.536	R119 (30-1)
659	18282.330	2.325	P136 (30-1)
	18282.241	2.244	P 94 (29-1)
660	18281.998		
661	18281.795	1.795	P 52 (25-0)
662	18281.701	1.705	P117 (27-0)
663	18281.526	1.630	R 95 (26-0)
		1.608	R 66 (28-1)
664	18281.278	1.278	R 56 (25-0)
665	18280.985	0.982	P 93 (28-1)
666	18280.627	0.629	R148 (28-0)
	18280.482	0.483	P164 (30-0)
667	18280.368	0.368	P 92 (26-0)
		0.347	P 55 (25-0)
	18280.048	0.036	P 98 (29-1)
668	18279.890	9.942	R169 (30-0)
		9.888	P137 (28-0)
669	18279.814	9.816	R 87 (25-0)
		9.790	R 67 (28-1)



LINE	OBS CM-1	CALC	ASSIGNMENT
667	18280.348	0.388	P 92 (26-0)
		0.347	P 53 (25-0)
	18280.040	0.036	R 98 (29-1)
668	18279.890	9.842	R169 (30-0)
		9.798	P157 (26-0)
669	18279.814	9.818	R 57 (24-0)
		9.790	R 67 (28-1)
670	18279.485	9.488	P 95 (29-1)
		9.447	R121 (27-0)
	18279.310	9.310	R156 (29-0)
671	18279.163	9.157	P 84 (28-1)
		9.139	P155 (29-0)
672	18279.089	9.084	P111 (33-2)
		9.040	R 96 (26-0)
		9.036	R120 (30-1)
673	18278.871	8.871	P 94 (25-0)
		8.851	P117 (30-1)
	18278.715	8.714	R157 (31-1)
674	18278.332	8.370	P138 (27-0)
		8.352	R 58 (25-0)
	18278.145		
	18278.017		
675	18277.945	7.948	R 68 (28-1)
676	18277.819	7.818	P 93 (26-0)
677	18277.627		
678	18277.368	7.369	P 55 (25-0)
679	18277.311	7.304	P 65 (28-1)
680	18277.258	7.252	R 99 (29-1)
	18276.950		
681	18276.819	6.819	R 59 (25-0)
	18276.703	6.703	P 96 (29-1)
682	18276.627	6.625	R141 (28-0)
683	18276.481	6.481	R 97 (26-0)
	18276.201		
684	18276.124	6.127	R122 (27-0)
685	18276.073	6.071	R 69 (28-1)
686	18275.890	5.893	P154 (28-0)
		5.841	P 56 (25-0)
687	18275.421	5.423	P 86 (26-1)
		5.386	P167 (30-0)
		5.349	P118 (30-1)
688	18275.278	5.279	R 60 (25-0)
689	18275.221	5.220	P 94 (26-0)
690	18275.006	5.009	P119 (27-0)
	18274.825	4.827	R170 (30-0)
691	18274.726	4.725	R157 (29-0)
692	18274.567	4.569	P154 (29-0)
693	18274.438	4.438	R100 (29-1)
694	18274.285	4.286	P 57 (25-0)
695	18274.170	4.169	R 70 (28-1)
	18274.109		
696	18273.866	3.868	P 97 (29-1)
		3.845	R 98 (26-0)
697	18273.711	3.713	R 61 (25-0)
698	18273.515	3.514	P 67 (28-1)
699	18272.705	2.739	R123 (27-0)
		2.704	P 38 (24-0)
700	18272.595	2.595	R142 (28-0)
		2.585	P 95 (26-0)
701	18272.290	2.239	R 71 (28-1)
702	18272.119	2.120	R 84 (25-0)
		2.081	P113 (33-2)
	18271.985	1.988	R122 (30-1)
703	18271.866	1.868	P139 (28-0)
		1.812	P119 (30-1)
704	18271.605	1.618	P120 (27-0)
		1.595	R101 (29-1)
		1.576	P 48 (24-1)
705	18271.221	1.220	R 99 (26-0)
706	18271.095	1.095	P 59 (25-0)
		1.084	P 98 (29-1)
707	18270.999	0.500	P 83 (26-0)
708	18270.201	0.241	R 72 (29-1)
		0.260	P164 (30-0)
	18270.188		
	18270.063	0.104	R158 (29-0)
709	18269.944	9.948	P155 (29-0)
		9.942	P 96 (26-0)
710	18269.612	9.618	R171 (30-0)
		9.611	P 69 (28-1)
711	18269.459	9.460	P 60 (25-0)
712	18269.321	9.322	R124 (27-0)
713	18268.853	8.853	R 84 (25-0)
	18268.717	8.722	R102 (29-1)
714	18268.545	8.548	R100 (26-0)
		8.534	R143 (29-0)
		8.502	P114 (33-2)
715	18268.298	8.298	R 73 (28-1)
		8.247	P120 (30-1)
716	18268.199	8.198	P121 (27-0)
		8.171	P 98 (29-1)
	18267.999		
717	18267.799	7.812	P140 (28-0)
		7.798	P 61 (25-0)
718	18267.618	7.617	P 70 (28-1)
719	18267.261	7.261	P 97 (26-0)
720	18267.179	7.180	R 45 (25-0)
	18266.749		
	18266.638		
721	18266.280	6.279	R 74 (28-1)
722	18266.108	6.110	P 42 (25-0)
723	18266.042		
724	18265.853	5.875	R125 (27-0)
		5.868	R101 (26-0)
		5.820	R103 (29-1)
725	18265.597	5.596	P 71 (28-1)
726	18265.479	5.480	R 66 (25-0)
		5.453	R159 (29-0)
727	18265.266	5.320	P136 (29-0)
		5.269	P109 (29-1)
	18265.186		
	18265.101	5.100	P169 (30-0)
	18264.914	4.911	P115 (33-2)
728	18264.750	4.810	R124 (30-1)
		4.750	P122 (27-0)
	18264.652	4.651	P121 (30-1)
729	18264.553	4.552	P 98 (26-0)
		4.496	R172 (30-0)
730	18264.395	4.443	R104 (26-0)
		4.431	R 1 (27-1)
		4.434	R 2 (27-1)
		4.421	R 0 (27-1)
		4.440	R 3 (27-1)
		4.384	P 63 (25-0)
		4.359	R 4 (27-1)
731	18264.248	4.300	P 1 (27-1)
		4.281	R 5 (27-1)
		4.236	R 75 (28-1)
		4.198	P 2 (27-1)
	18264.125	4.135	R 6 (27-1)
		4.069	P 3 (27-1)
	18263.993	3.985	R 7 (27-1)
	18263.910	3.914	P 4 (27-1)
732	18263.758	3.823	R 8 (27-1)
		3.755	R 67 (25-0)
		3.731	P 5 (27-1)
		3.727	P141 (28-0)
733	18263.630	3.626	R 9 (27-1)
734	18263.547	3.545	P 72 (28-1)
		3.521	P 6 (27-1)
735	18263.408	3.402	R 10 (27-1)
	18263.282	3.284	P 7 (27-1)
736	18263.121	3.151	R 11 (27-1)
		3.120	R102 (29-0)
	18263.022	3.019	P 8 (27-1)
737	18262.880	2.888	R104 (29-1)
		2.873	R 12 (27-1)
	18262.727	2.728	P 9 (27-1)
738	18262.652	2.653	P 64 (28-0)
739	18262.573	2.567	R 13 (27-1)
740	18262.402	2.410	P 10 (27-1)
		2.399	R126 (27-0)
741	18262.340	2.337	P103 (29-1)
	18262.232	2.230	R 14 (27-1)
742	18262.166	2.165	R 76 (28-1)
	18262.068	2.064	P 11 (27-1)
743	18261.998	1.989	R 68 (25-0)
	18261.876	1.870	R 15 (27-1)
744	18261.810	1.815	P 99 (26-0)
	18261.693	1.691	P 12 (27-1)
	18261.632		
745	18261.475	1.488	R 16 (27-1)
		1.467	P 73 (28-1)
746	18261.277	1.261	P 13 (27-1)
		1.232	P123 (27-0)
		1.176	R125 (30-1)
	18261.148	1.116	P 2 (27-1)
747	18261.079	1.074	R 17 (27-1)
		1.024	P122 (30-1)
748	18260.881	0.884	P 65 (25-0)
		0.868	P 14 (27-1)
	18260.771	0.769	R108 (29-0)
749	18260.640	0.650	P157 (29-0)
		0.643	R 18 (27-1)
756	18260.384	0.410	P 15 (27-1)
		0.368	R103 (26-0)
		0.322	R145 (28-0)
751	18260.219	0.219	P 69 (28-0)
		0.196	R 19 (27-1)
752	18260.066	0.065	R 77 (28-1)
753	18259.927	9.929	P 16 (27-1)
		9.927	R105 (29-1)
		9.886	P170 (30-0)



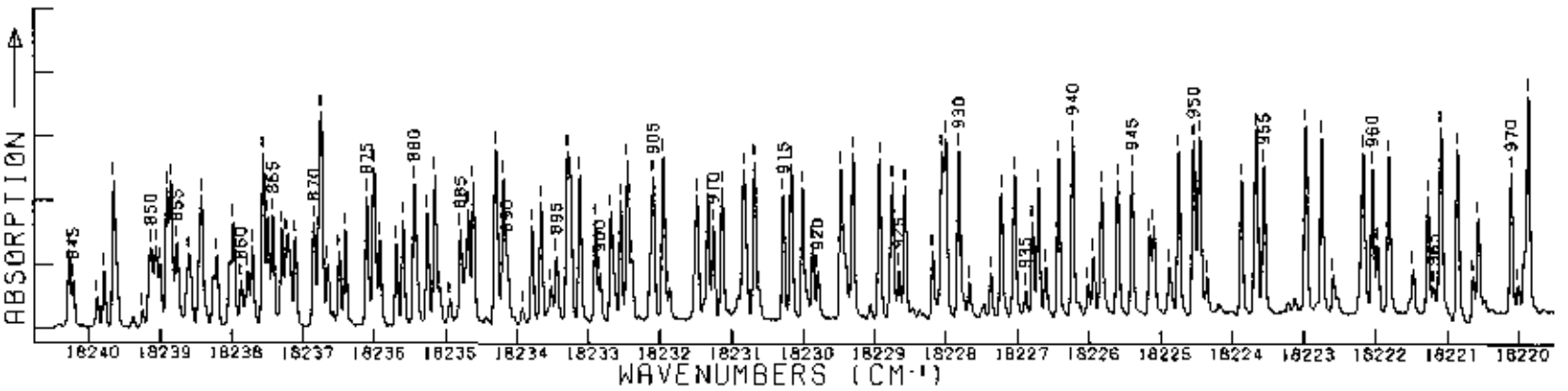
LINE	OBS CM-1	CALC	ASSIGNMENT
750	18260.364	0.410	P 15 (27-1)
		0.365	R103 (28-0)
		0.322	R145 (29-0)
751	18260.218	0.219	R 69 (25-0)
		0.169	R 19 (27-1)
752	18260.066	0.085	R 77 (29-1)
753	18259.927	9.989	P 16 (27-1)
		9.927	R105 (29-1)
		9.905	P190 (30-0)
754	18259.664	9.669	R 20 (27-1)
	18259.612	9.611	P142 (28-0)
755	18259.426	9.421	P 17 (27-1)
756	18259.368	9.375	P102 (29-1)
		9.360	P 79 (28-1)
	18259.277	9.280	R173 (30-0)
	18259.220		
	18259.185	9.197	R 21 (27-1)
757	18259.085	9.089	P 66 (25-0)
		9.051	P109 (26-0)
758	18258.892	8.894	R127 (27-0)
		8.885	P 18 (27-1)
	18258.782		
759	18258.600	8.547	R 22 (27-1)
760	18258.410	8.411	R 78 (25-0)
761	18258.326	8.322	P 19 (27-1)
762	18258.089	8.020	R 23 (27-1)
763	18257.959	7.936	R 78 (26-1)
764	18257.759	7.765	P129 (27-0)
		7.732	P 20 (27-1)
765	18257.561	7.581	P104 (26-0)
	18257.509	7.511	R126 (30-1)
766	18257.416	7.415	R 24 (27-1)
767	18257.370	7.367	P123 (30-1)
768	18257.264	7.266	P 87 (25-0)
		7.235	P 75 (28-1)
769	18257.118	7.115	P 21 (27-1)
	18256.992	6.936	R106 (29-1)

LINE	OBS CM-1	CALC	ASSIGNMENT
770	18256.784	6.784	R 25 (27-1)
771	18256.578	6.577	R 71 (25-0)
772	18256.470	6.471	P 22 (27-1)
773	18256.385	6.384	P103 (29-1)
774	18256.259	6.259	P101 (26-0)
775	18256.176	6.169	R146 (29-0)
776	18256.129	6.125	R 26 (27-1)
		6.056	R161 (29-0)
	18256.008		
	18255.951	5.949	P158 (29-0)
777	18255.793	5.800	P 23 (27-1)
		5.780	R 79 (28-1)
778	18255.619	5.464	P145 (28-0)
		5.440	R 27 (27-1)
		5.418	P 68 (25-0)
779	18255.362	5.359	R128 (27-0)
780	18255.104	5.101	P 24 (27-1)
	18255.067	5.062	P 76 (28-1)
	18255.009		
	18254.828		
781	18254.768	4.769	R103 (26-0)
782	18254.719	4.727	R 28 (27-1)
		4.716	R 72 (25-0)
		4.678	P171 (30-0)
783	18254.377	4.375	P 25 (27-1)
784	18254.249	4.224	P125 (27-0)
785	18253.991	4.030	R174 (30-0)
		3.986	R 29 (27-1)
	18253.916	3.915	R107 (29-1)
786	18253.815	3.815	R127 (30-1)
	18253.807	3.678	P129 (30-1)
		3.623	P 26 (27-1)
		3.595	R 80 (28-1)
787	18253.542	3.542	P 89 (25-0)
788	18253.439	3.439	P102 (26-0)
	18253.366	3.364	P109 (29-1)
789	18253.221	3.219	R 30 (27-1)
	18253.134		

LINE	OBS CM-1	CALC	ASSIGNMENT
	18253.075		
	18252.974		
790	18252.851	2.871	P 77 (28-1)
		2.842	P 27 (27-1)
		2.826	R 73 (25-0)
791	18252.427	2.424	R 31 (27-1)
792	18252.036	2.035	P 28 (27-1)
793	18251.992	1.986	R147 (29-0)
794	18251.926	1.929	R106 (28-0)
795	18251.795	1.796	R129 (27-0)
796	18251.638	1.639	P 78 (25-0)
		1.602	R 32 (27-1)
797	18251.384	1.381	R 81 (28-1)
	18251.291	1.306	R162 (29-0)
		1.288	P144 (26-0)
798	18251.206	1.215	P159 (29-0)
		1.201	P 29 (27-1)
799	18250.912	0.915	R 74 (25-0)
		0.865	R108 (29-1)
800	18250.755	0.753	R 33 (27-1)
801	18250.660	0.656	P126 (27-0)
		0.651	P 78 (28-1)
802	18250.592	0.590	P103 (26-0)
	18250.495		
803	18250.353	0.339	P 30 (27-1)
		0.319	P105 (29-1)
	18250.108		
	18250.089	0.088	R128 (30-1)
	18250.040		
	18249.958	9.959	P125 (30-1)
804	18249.879	9.877	R 34 (27-1)
805	18249.709	9.710	P 91 (25-0)
806	18249.455	9.450	P 31 (27-1)
		9.416	P172 (30-0)
807	18249.143	9.139	R 82 (28-1)
808	18249.061	9.061	R107 (26-0)
809	18248.971	8.973	R 35 (27-1)
		8.972	R 75 (25-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
	18248.746	8.746	R175 (30-0)
810	18248.535	8.538	P 32 (27-1)
811	18248.405	8.403	P 79 (28-1)
	18248.305		
812	18248.204	8.203	R130 (27-0)
813	18248.049	8.042	R 36 (27-1)
814	18247.755	7.785	R109 (29-1)
		7.773	R146 (28-0)
		7.754	P 72 (25-0)
		7.714	P104 (26-0)
815	18247.602	7.591	P 33 (27-1)
	18247.396		
	18247.229	7.235	P106 (29-1)
816	18247.079	7.084	R 37 (27-1)
		7.060	P145 (28-0)
		7.030	P127 (27-0)
817	18247.003	7.003	R 76 (25-0)
818	18246.871	6.869	R 83 (28-1)
819	18246.681	6.630	P 34 (27-1)
	18246.528	6.527	R163 (29-0)
	18246.448	6.450	P160 (29-0)
	18246.330	6.330	R129 (30-1)
820	18246.160	6.209	P126 (30-1)
		6.164	R108 (26-0)
		6.127	P 80 (28-1)
		6.099	R 38 (27-1)
	18245.901		
	18245.846		
821	18245.776	5.771	P 73 (25-0)
822	18245.628	5.632	P 35 (27-1)
823	18245.089	5.088	R 39 (27-1)
824	18245.007	5.007	R 77 (25-0)
	18244.895		
825	18244.810	4.811	P105 (26-0)
	18244.667	4.675	R110 (29-1)
826	18244.582	4.569	P 36 (27-1)
		4.580	R131 (27-0)
		4.570	R 84 (28-1)

LINE	OBS CM-1	CALC	ASSIGNMENT
827	18244.327	4.326	P107 (29-1)
		4.322	P173 (30-0)
828	18244.049	4.046	R 40 (27-1)
829	18243.823	3.822	P 81 (28-1)
830	18243.762	3.762	P 74 (25-0)
	18243.625		
831	18243.542	3.545	P 37 (27-1)
		3.528	R149 (28-0)
832	18243.448	3.447	P126 (27-0)
	18243.385		
833	18243.240	3.240	R109 (26-0)
834	18242.984	2.985	R 78 (25-0)
		2.979	R 41 (27-1)
835	18242.844	2.842	P146 (28-0)
836	18242.665	2.656	P 38 (27-1)
		2.629	P127 (27-0)
	18242.328		
837	18242.249	2.243	R 85 (28-1)
	18242.081		
838	18241.881	1.884	R 42 (27-1)
		1.870	P106 (26-0)
839	18241.725	1.721	P 75 (25-0)
		1.715	R164 (29-0)
	18241.659	1.662	P161 (29-0)
840	18241.990	1.535	R111 (29-1)
		1.469	P 82 (28-1)
841	18241.389	1.389	P 39 (27-1)
842	18240.934	0.907	P108 (29-1)
		0.936	R 79 (25-0)
		0.926	R132 (27-0)
843	18240.763	0.762	R 43 (27-1)
	18240.570		
844	18240.286	0.284	R110 (26-0)
845	18240.226	0.225	P 40 (27-1)
846	18239.890	9.867	R 86 (28-1)
847	18239.796	9.794	P129 (27-0)
848	18239.661	9.662	P 76 (25-0)
		9.613	R 44 (27-1)



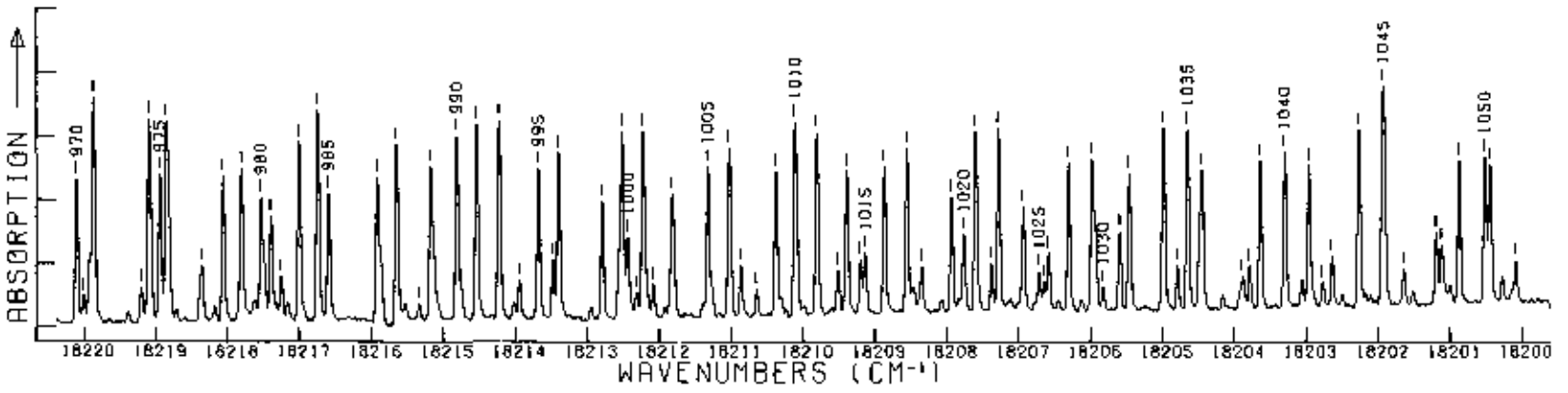
LINE	OBS CM-1	CALC	ASSIGNMENT
844	18240.258	0.288	R110 (26-0)
845	18240.206	0.220	P 40 (27-1)
846	18239.890	9.887	R 85 (26-1)
847	18239.794	9.794	P129 (27-0)
848	18239.681	9.662	P 78 (25-0)
		9.613	R 45 (27-1)
	18239.390		
849	18239.286	9.253	R150 (26-0)
850	18239.141	9.175	R 1 (24-0)
		9.173	R 0 (24-0)
		9.153	R 8 (24-0)
		9.144	R 3 (24-0)
		9.125	P 83 (26-1)
851	18239.072	9.089	R 4 (24-0)
		9.063	P 41 (27-1)
852	18239.011	9.029	P 1 (24-0)
		9.009	R 5 (24-0)
853	18238.926	8.989	P 2 (24-0)
		8.919	P107 (26-0)
		8.902	R 6 (24-0)
854	18238.859	8.899	R 80 (25-0)
855	18238.774	8.803	P 3 (24-0)
		8.784	P174 (30-0)
		8.770	R 7 (24-0)
856	18238.609	8.650	P 4 (24-0)
		8.619	P120 (30-1)
		8.612	R 8 (24-0)
		8.574	P197 (26-0)
857	18238.430	8.472	P 5 (24-0)
		8.436	R 45 (27-1)
		8.425	R 9 (24-0)
		8.366	R112 (26-1)
	18238.263	8.268	P 6 (24-0)
858	18238.216	8.216	R 10 (24-0)
	18238.034	8.034	P 7 (24-0)
859	18237.984	7.982	R 11 (24-0)
860	18237.827	7.875	P 42 (27-1)
861	18237.784	7.819	P109 (29-1)
		7.783	P 8 (24-0)
862	18237.721	7.721	R 12 (24-0)
863	18237.572	7.573	P 77 (25-0)
864	18237.543	7.503	R 47 (26-1)
		7.502	P 9 (24-0)
865	18237.434	7.433	R 13 (24-0)
866	18237.367	7.367	R111 (26-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
867	18237.234	7.247	R133 (27-0)
		7.232	R 48 (27-1)
868	18237.200	7.194	P 10 (24-0)
869	18237.129	7.120	R 14 (24-0)
870	18236.859	6.870	R165 (29-0)
		6.861	P 11 (24-0)
		6.823	P182 (29-0)
871	18236.751	6.780	R 15 (24-0)
		6.756	R 81 (25-0)
		6.738	P 84 (26-1)
872	18236.661	6.659	P 43 (27-1)
	18236.584		
873	18236.582	6.582	P 12 (24-0)
874	18236.416	6.415	R 16 (24-0)
875	18236.115	6.117	P 13 (24-0)
		6.112	P136 (27-0)
876	18236.017	6.024	R 17 (24-0)
		6.020	P 47 (27-1)
877	18235.931	5.931	P108 (26-0)
878	18235.788	5.786	P 14 (24-0)
879	18235.687	5.687	R 18 (24-0)
880	18235.452	5.454	P 78 (25-0)
		5.416	P 84 (27-1)
881	18235.270	5.269	P 15 (24-0)
882	18235.168	5.167	R133 (29-1)
		5.164	R 19 (24-0)
883	18235.044	5.040	R 80 (26-1)
884	18234.954	4.947	R151 (28-0)
885	18234.886	4.887	P 16 (24-0)
		4.776	P149 (30-1)
886	18234.696	4.702	R 46 (27-1)
		4.686	R 20 (24-0)
887	18234.625	4.625	R 82 (25-0)
		4.621	P110 (29-1)
	18234.436		
888	18234.312	4.320	P 85 (26-1)
		4.318	P 17 (24-0)
		4.298	R112 (26-0)
		4.275	P146 (28-0)
889	18234.248	4.251	R 21 (24-0)
890	18234.153	4.145	P 45 (27-1)
891	18233.937		
892	18233.883	3.884	P 18 (24-0)
893	18233.679	3.681	R 22 (24-0)
894	18233.537	3.536	P134 (27-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
895	18233.457	3.456	R 49 (27-1)
		3.432	P135 (30-0)
896	18233.389	3.388	P 79 (25-0)
897	18233.278	3.264	P 19 (24-0)
898	18233.135	3.136	R 23 (24-0)
899	18232.916	2.915	P109 (26-0)
900	18232.854	2.847	P 46 (27-1)
901	18232.696	2.698	P 20 (24-0)
		2.669	R 89 (26-1)
902	18232.562	2.562	R 24 (24-0)
903	18232.468	2.468	R 83 (25-0)
904	18232.405	2.401	P131 (27-0)
905	18232.107	2.102	R 50 (27-1)
		2.106	P 21 (24-0)
906	18231.984	1.993	R166 (29-0)
		1.964	R 25 (24-0)
		1.961	P183 (29-0)
		1.937	R114 (26-1)
907	18231.876	1.875	P 86 (26-1)
908	18231.698	1.682	P 47 (27-1)
		1.668	P 22 (24-0)
909	18231.539	1.544	P111 (26-0)
		1.539	R 26 (24-0)
910	18231.282	1.261	R113 (26-0)
911	18231.139	1.139	P 48 (25-0)
	18231.068		
	18230.969	0.980	P138 (30-1)
912	18230.862	0.864	P 23 (24-0)
		0.861	R 81 (27-1)
913	18230.689	0.689	R 27 (24-0)
914	18230.624	0.610	R152 (28-0)
915	18230.283	0.283	R 84 (26-0)
916	18230.174	0.175	R 90 (26-1)
		0.174	P 24 (24-0)
		0.169	P 46 (27-1)
917	18230.014	0.013	R 28 (24-0)
918	18229.963	9.965	P149 (28-0)
919	18229.871	9.871	P110 (26-0)
920	18229.758	9.795	R135 (27-0)
921	18229.677	9.679	P 25 (24-0)
		9.633	R 52 (27-1)
		9.398	P 87 (26-1)
922	18229.311	9.311	R 29 (24-0)
	18229.064		
923	18228.941	8.941	P 81 (25-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
924	18228.760	8.759	P 49 (27-1)
		8.757	P 26 (24-0)
925	18228.667	8.678	R115 (26-1)
		8.661	P132 (27-0)
926	18228.585	8.583	R 30 (24-0)
	18228.469		
	18228.372		
927	18228.196	8.196	R116 (26-0)
		8.137	P112 (26-1)
928	18228.068	8.072	R 85 (25-0)
929	18228.014	8.037	R 53 (27-1)
		8.036	P176 (30-0)
		8.010	P 27 (24-0)
CALC	**********	8.000	P112 (26-1)
930	18227.830	7.830	R 31 (24-0)
931	18227.685	7.685	R 91 (28-1)
	18227.478		
932	18227.383	7.382	P 50 (27-1)
933	18227.236	7.237	P 28 (24-0)
934	18227.081	7.084	R167 (29-0)
		7.067	P184 (29-0)
		7.060	R 32 (24-0)
		6.996	P131 (30-1)
935	18226.896	6.898	P 88 (26-1)
936	18226.799	6.796	R117 (26-0)
937	18226.737	6.716	P 82 (25-0)
938	18226.616	6.614	R 54 (27-1)
939	18226.436	6.437	P 29 (24-0)
940	18226.294	6.294	R 33 (24-0)
		6.241	R153 (28-0)
	18226.149		
941	18226.027	6.025	P136 (27-0)
942	18225.956	5.947	P 51 (27-1)
943	18225.838	5.835	R 46 (25-0)
944	18225.611	5.612	P 30 (24-0)
		5.585	P150 (28-0)
945	18225.412	5.412	R 34 (24-0)
		5.390	R118 (26-1)
946	18225.161	5.163	R 55 (27-1)
		5.150	R 92 (26-1)
947	18225.109	5.100	R119 (26-0)
948	18224.890	4.881	P133 (27-0)
		4.850	P113 (26-1)
949	18224.761	4.761	P 31 (24-0)
950	18224.654	4.655	R 35 (24-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
951	18224.468	4.485	P 52 (27-1)
		4.464	P 83 (25-0)
952	18224.365	4.363	P 89 (26-1)
	18224.208		
	18224.174		
953	18223.884	3.868	P 32 (24-0)
954	18223.678	3.858	P112 (26-0)
		3.685	R 56 (27-1)
		3.671	R 36 (24-0)
955	18223.568	3.567	R 87 (25-0)
	18223.327		
	18223.138		
CALC	**********	3.060	P152 (30-1)
956	18222.984	2.996	P 53 (27-1)
		2.981	P 33 (24-0)
957	18222.761	2.761	R 37 (24-0)
958	18222.608	2.607	P177 (30-0)
		2.596	R 93 (28-1)
		2.536	
959	18222.185	2.226	R137 (27-0)
		2.185	P 34 (25-0)
		2.179	R 57 (27-1)
		2.142	R168 (29-0)
		2.141	P185 (29-0)
		2.052	P 54 (24-0)
960	18222.053	2.071	R117 (26-1)
		1.980	R116 (26-0)
961	18221.980	1.962	R154 (28-0)
		1.682	P 90 (26-1)
962	18221.825	1.642	R138 (27-0)
		1.525	R 38 (24-0)
		1.481	P 90 (26-1)
963	18221.461	1.533	P114 (26-1)
		1.479	P 55 (27-1)
964	18221.274	1.274	R 88 (25-0)
965	18221.198	1.194	P153 (28-0)
966	18221.097	1.097	P 35 (24-0)
		1.098	P134 (27-0)
967	18220.864	0.864	R 39 (24-0)
968	18220.695	0.696	R 58 (27-1)
969	18220.571	0.569	P115 (26-0)
	18220.384		
970	18220.136	0.136	P 36 (24-0)
971	18219.936	0.913	P 94 (26-1)
	18219.934	9.938	P 85 (27-1)
972	18219.877	9.879	P 85 (25-0)
		9.876	R 40 (24-0)



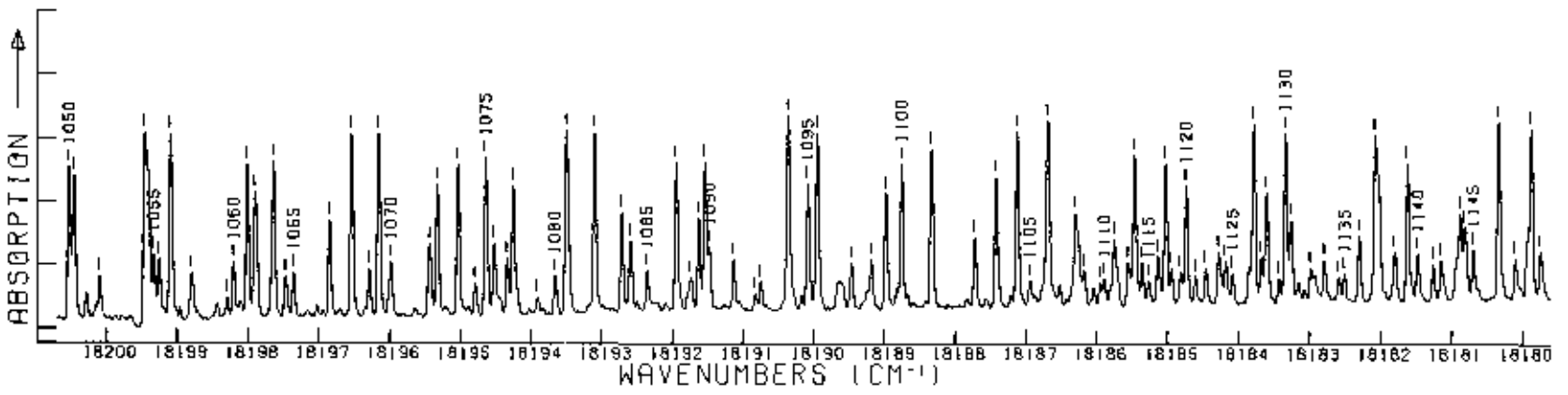
LINE	OBS CM-1	CALC	ASSIGNMENT
970	18220.316	0.115	P 56 (24-0)
971	18220.016	0.012	R 94 (26-1)
	18219.934	9.936	P 55 (27-1)
972	18219.877	9.879	P 85 (25-0)
		9.875	R 40 (24-0)
	18219.396		
973	18219.215	9.218	P 91 (28-1)
974	18219.104	9.110	P 37 (24-0)
		9.093	P133 (30-1)
		9.085	R 59 (27-1)
975	18218.955	8.958	R 89 (25-0)
976	18218.859	8.862	R 41 (24-0)
		8.830	R117 (26-0)
	18218.721	8.722	R118 (29-1)
977	18218.570	8.586	R135 (27-0)
		8.583	P 56 (27-1)
	18218.186	8.186	P115 (29-1)
978	18218.077	8.077	P 35 (24-0)
979	18217.823	7.823	R 42 (24-0)
	18217.638		
980	18217.547	7.548	P 46 (25-0)
		7.497	R 60 (27-1)
981	18217.411	7.413	P114 (26-0)
		7.412	R155 (28-0)
		7.398	R 95 (28-1)
	18217.334		
982	18217.266	7.263	P135 (27-0)
	18217.175	7.183	R166 (29-0)
		7.168	R169 (29-0)
		7.143	P178 (30-0)
983	18217.016	7.018	P 39 (24-0)
984	18216.759	6.772	P152 (28-0)
		6.764	R 57 (27-1)
		6.757	R 43 (24-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
985	18216.666	6.667	R 98 (25-0)
		6.594	P 92 (26-1)
986	18215.955	5.953	P 40 (24-0)
		5.861	R 61 (27-1)
987	18215.662	5.665	R 96 (26-0)
		5.651	R118 (26-0)
	18215.539		
988	18215.344	5.345	R119 (26-1)
989	18215.186	5.186	P 97 (25-0)
		5.137	P 88 (27-1)
		5.095	P134 (30-1)
		5.025	P 91 (24-0)
990	18214.832	4.829	R 41 (24-0)
		4.810	P116 (29-1)
991	18214.761	4.756	R 95 (28-1)
992	18214.547	4.547	R 95 (24-0)
		4.537	R139 (27-0)
993	18214.233	4.238	R 62 (27-1)
		4.233	R 91 (25-0)
		4.028	P115 (26-0)
	18214.029		
994	18213.950	3.947	P 93 (28-1)
995	18213.687	3.686	P 92 (24-0)
996	18213.465	3.463	P 59 (27-1)
997	18213.405	3.405	P136 (27-0)
		3.403	R 46 (24-0)
	18212.955	2.951	R156 (28-0)
998	18212.899	2.799	P 88 (25-0)
999	18212.824	2.867	R 69 (27-1)
		2.523	R 43 (24-0)
1000	18212.446	2.444	R119 (26-0)
1001	18212.383	2.319	P153 (28-0)
1002	18212.234	2.233	R 97 (24-0)
		2.193	P167 (29-0)
		2.161	R178 (26-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
1003	18212.098	2.085	R 97 (25-1)
	18211.934	1.934	R120 (29-1)
1004	18211.829	1.831	R 92 (25-0)
		1.682	P 98 (27-1)
	18211.645	1.646	P179 (30-0)
	18211.484	1.484	P137 (29-1)
1005	18211.334	1.334	P 94 (26-0)
		1.272	P 94 (28-1)
1006	18211.034	1.066	P135 (30-1)
		1.037	R 98 (24-0)
		1.015	P116 (26-0)
1007	18210.871	0.868	R 64 (27-1)
1008	18210.650	0.648	R140 (27-0)
1009	18210.385	0.385	P 89 (25-0)
	18210.304		
1010	18210.117	0.120	P 95 (24-0)
		0.093	P 61 (27-1)
	18209.998		
1011	18209.817	9.815	R 89 (26-0)
1012	18209.880	9.817	P137 (27-0)
1013	18209.682	9.683	R 93 (25-0)
		9.385	R 98 (26-1)
1014	18209.289	9.288	R120 (26-0)
1016	18209.147	9.143	R 95 (27-1)
1016	18208.860	8.878	P 96 (24-0)
1017	18208.568	8.568	P 95 (26-1)
		8.567	R 90 (24-0)
	18208.473	8.474	R121 (29-1)
		8.458	R157 (28-0)
1018	18208.358	8.356	P 62 (27-1)
	18208.079		

LINE	OBS CM-1	CALC	ASSIGNMENT
1019	18207.946	7.947	P118 (29-1)
		7.944	P 98 (25-0)
	18207.848	7.835	P154 (28-0)
1020	18207.773	7.773	P117 (26-0)
1021	18207.613	7.612	P 97 (24-0)
1022	18207.392	7.369	R 66 (27-1)
1023	18207.294	7.293	R 91 (24-0)
	18207.121	7.170	P168 (29-0)
		7.121	R171 (29-0)
1024	18206.948	7.005	P154 (30-1)
		6.947	R 94 (25-0)
1025	18206.738	6.738	R141 (27-0)
1026	18206.661	6.656	R 99 (26-1)
1027	18206.504	6.502	P 63 (27-1)
	18206.465		
1028	18206.319	6.319	P 96 (24-0)
	18206.142		
1029	18205.993	5.992	R 52 (24-0)
		5.945	R121 (26-0)
1030	18205.861	5.836	P 96 (26-1)
1031	18205.608	5.608	R 67 (27-1)
		5.600	P158 (27-0)
1032	18205.477	5.475	P 91 (25-0)
1033	18205.001	5.025	R122 (29-1)
		5.000	P 49 (24-0)
1034	18204.802	4.801	P 64 (27-1)
1035	18204.667	4.666	R 53 (24-0)
1036	18204.468	4.504	P118 (26-0)
		4.501	R119 (29-1)
		4.468	R 98 (26-0)
	18204.177		

LINE	OBS CM-1	CALC	ASSIGNMENT
1037	18203.896	3.935	R158 (28-0)
		3.898	R100 (26-1)
1038	18203.802	3.799	R 68 (27-1)
1039	18203.656	3.655	P 90 (26-0)
1040	18203.315	3.321	P135 (28-0)
		3.313	R 54 (24-0)
	18203.075	3.075	P 97 (26-1)
1041	18202.982	2.961	P 65 (27-1)
		2.960	P 92 (28-0)
		2.913	P137 (30-1)
1042	18202.784	2.782	R142 (27-0)
1043	18202.658	2.662	R122 (26-0)
	18202.584		
1044	18202.284	2.284	P 51 (24-0)
	18202.186		
	18202.115	2.115	P169 (29-0)
	18202.082	2.084	R172 (29-0)
1045	18201.942	1.943	R 69 (27-1)
		1.953	R 96 (25-0)
		1.934	R 58 (24-0)
		1.653	P139 (27-0)
		1.526	R123 (26-1)
1047	18201.296	1.296	P118 (26-0)
1048	18201.150	1.155	P 66 (27-1)
		1.113	R101 (26-1)
	18201.011	1.009	P120 (26-1)
1049	18200.888	0.867	P 52 (24-0)
1050	18200.831	0.829	R 56 (24-0)
1051	18200.689	0.657	P 93 (25-0)
	18200.285	0.285	P 98 (26-1)
	18200.156		
1052	18200.101	0.098	R 70 (27-1)



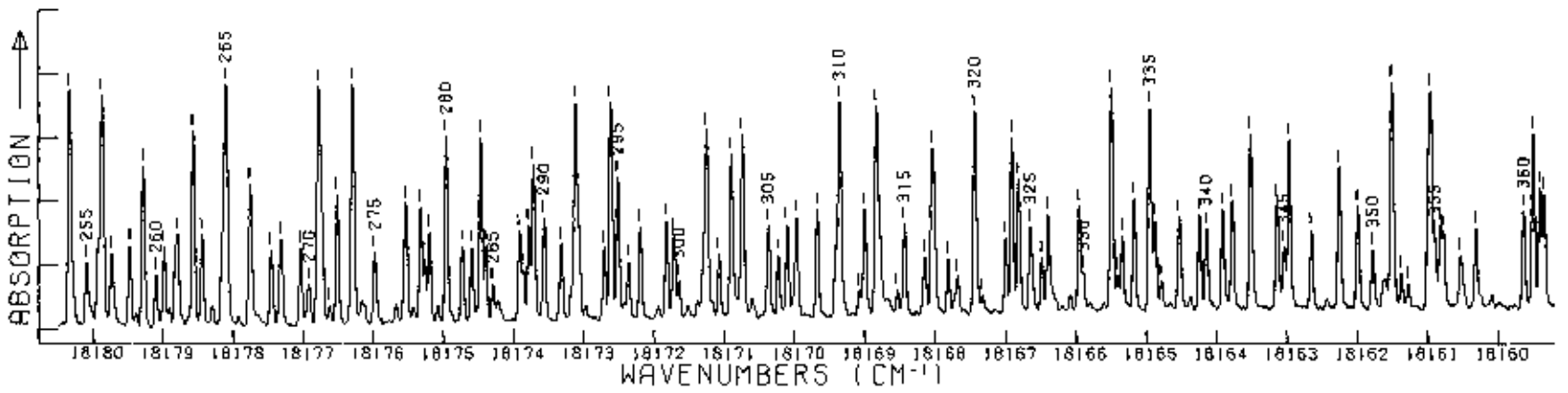
LINE	OBS CM-1	CALC	ASSIGNMENT
1050	18200.531	0.529	R 58 (24-0)
1051	18200.458	0.457	P 93 (25-0)
	18200.289	0.285	P 98 (26-1)
	18200.156		
1052	18200.101	0.099	R 78 (27-1)
1053	18199.464	9.464	P 63 (24-0)
1054	18199.422	9.415	R 97 (25-0)
1055	18199.336	9.338	R139 (28-0)
		9.332	R123 (26-0)
1056	18199.262	9.260	P 67 (27-1)
1057	18199.180	9.898	R 57 (24-0)
1058	18198.868	8.804	R143 (27-0)
		8.790	P138 (30-1)
		8.776	P156 (26-0)
	18198.440		
1059	18198.380	8.297	R102 (26-1)
1060	18198.289	8.287	R 71 (27-1)
	18198.210		
1061	18198.014	8.014	P 34 (24-0)
		7.996	R124 (29-1)
1062	18197.903	7.907	R 94 (25-0)
		7.879	P120 (26-0)
1063	18197.643	7.676	P140 (27-0)
		7.661	R 58 (24-0)
1064	18197.472	7.479	P121 (29-1)
		7.466	P 99 (28-1)
1065	18197.348	7.369	P 68 (27-1)
	18397.167		
	18397.029	7.027	P170 (29-0)
	18196.965	6.963	R173 (29-0)
1066	18196.851	6.850	R 98 (25-0)
	18196.698		
1067	18196.540	6.539	P 55 (24-0)
1068	18196.299	6.287	R 78 (27-1)
1069	18196.159	6.158	R 59 (24-0)
1070	18195.987	5.982	R124 (26-0)
	18195.638		
1071	18195.437	5.453	R103 (28-1)
		5.429	P 69 (27-1)

LINE	OBS CM-1	CALC	ASSIGNMENT
1072	18195.332	5.330	P 95 (25-0)
	18195.285		
1073	18195.039	5.037	P 56 (24-0)
	18194.887		
1074	18194.798	4.796	R144 (27-0)
		4.784	R160 (26-0)
1075	18194.647	4.648	R 80 (24-0)
		4.638	P139 (30-1)
		4.618	P100 (26-1)
1076	18194.520	4.525	P121 (28-0)
	18194.447	4.436	R125 (29-1)
1077	18194.342	4.340	R 73 (27-1)
1078	18194.258	4.256	R 99 (25-0)
		4.199	P157 (26-0)
1079	18193.918	3.922	P122 (29-1)
	18193.844		
1080	18193.672	3.670	P141 (27-0)
1081	18193.589	3.589	P 57 (24-0)
		3.472	P 78 (27-1)
1082	18193.113	3.112	R 61 (24-0)
1083	18192.726	2.726	P 96 (25-0)
1084	18192.682	2.604	R125 (26-0)
		2.580	R104 (28-1)
	18192.589		
1085	18192.368	2.365	R 74 (27-1)
	18192.322		
	18192.208		
1086	18191.956	1.954	P 58 (24-0)
1087	18191.749	1.805	R174 (29-0)
		1.782	P181 (28-1)
1088	18191.634	1.638	R108 (25-0)
1089	18191.552	1.558	R 62 (24-0)
1090	18191.490	1.487	P 71 (27-1)
1091	18191.184	1.182	P122 (26-0)
	18191.063		
1092	18190.838	0.846	R126 (29-1)
1093	18190.780	0.758	R145 (27-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
1094	18190.574	0.450	P140 (30-1)
		0.376	P 59 (24-0)
		0.362	R 78 (27-1)
		0.356	P123 (29-1)
	18190.182	0.176	R161 (28-0)
1095	18190.096	0.064	P 97 (25-0)
1096	18189.963	9.960	R 83 (24-0)
	18189.840	9.678	R105 (28-1)
		9.634	R142 (27-0)
	18189.607	9.591	P158 (28-0)
1097	18189.477	9.475	P 72 (27-1)
1098	18189.208	9.197	R126 (26-0)
1099	18188.992	8.991	R181 (25-0)
1100	18188.778	8.657	P102 (28-1)
		8.770	P 60 (24-0)
	18188.684		
1101	18188.347	8.367	R 64 (24-0)
		8.332	R 76 (27-1)
	18187.838		
1102	18187.733	7.750	P123 (26-0)
	18187.574		
1103	18187.437	7.436	P 98 (25-0)
		7.435	R 73 (27-1)
		7.220	R127 (29-1)
	18187.228	7.137	P 61 (24-0)
1104	18187.139	6.829	P 1 (26-1)
1105	18186.956	6.972	R 1 (26-1)
		6.967	R 9 (26-1)
		6.951	R 9 (26-1)
		6.935	R 3 (26-1)
	18186.674	6.676	R 5 (26-1)
		6.829	P 1 (26-1)
1106	18186.787	6.791	R 3 (26-1)
		6.747	R106 (28-1)
		6.728	P 2 (26-1)
		6.720	P124 (29-1)
		6.707	R 65 (24-0)
		6.690	P184 (27-0)
		6.679	R 6 (26-1)
		6.634	R175 (24-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
	18186.537	6.680	P 3 (26-1)
		6.540	R 7 (26-1)
	18186.443	6.446	P 4 (26-1)
1107	18186.319	6.375	R 8 (26-1)
		6.316	R102 (25-0)
		6.274	R 77 (27-1)
		6.265	P 5 (26-1)
1108	18186.188	6.233	P141 (30-1)
		6.183	R 9 (26-1)
	18186.082	6.056	P 6 (26-1)
1109	18185.965	5.965	R 10 (26-1)
1110	18185.900	5.903	P103 (28-1)
1111	18185.769	5.824	P 7 (26-1)
		5.762	R127 (29-1)
		5.729	R 31 (24-1)
1112	18185.567	5.569	P143 (27-0)
		5.563	P 8 (26-1)
		5.527	R162 (28-0)
1113	18185.480	5.479	P 62 (24-0)
		5.448	R 12 (26-1)
1114	18185.370	5.367	P 74 (27-1)
1115	18185.278	5.276	P 9 (26-1)
1116	18185.188	5.190	R 13 (26-1)
1117	18185.041	5.040	R 96 (24-0)
1118	18184.989	4.962	P 10 (26-1)
		4.952	P159 (28-0)
1119	18184.825	4.825	R 14 (26-1)
1120	18184.751	4.750	P 99 (25-0)
1121	18184.617	4.631	P 11 (26-1)
1122	18184.572	4.573	R 15 (26-1)
1123	18184.298	4.290	P104 (28-0)
		4.254	P 12 (26-1)
1124	18184.191	4.187	R 78 (27-1)
1125	18184.094	4.095	R 16 (26-1)
	18183.958	3.960	P 13 (26-1)
1126	18183.794	3.794	P 63 (24-0)
		3.767	R107 (28-1)
1127	18183.689	3.690	R 17 (26-1)
1128	18183.519	3.614	R103 (25-0)
		3.574	R180 (29-1)

LINE	OBS CM-1	CALC	ASSIGNMENT
1129	18183.439	3.440	P 14 (26-1)
1130	18183.347	3.346	R 67 (24-0)
1131	18183.266	3.272	P 75 (27-1)
		3.256	R 18 (26-1)
	18183.161		
	18183.074	3.073	P125 (29-1)
1132	18182.991	2.992	P 15 (26-1)
	18182.935	2.940	P104 (28-1)
1133	18182.798	2.800	R 19 (26-1)
1134	18182.598	2.582	R147 (27-0)
1135	18182.513	2.519	P 16 (26-1)
1136	18182.385	2.319	R 20 (26-1)
		2.298	R128 (26-0)
1137	18182.081	2.053	P 64 (24-0)
		2.074	R 79 (27-1)
		0.036	P180 (28-0)
		1.918	P 17 (26-1)
		1.904	P142 (30-1)
1138	18181.843	1.808	R 21 (26-1)
1139	18181.627	1.627	R 68 (24-0)
1140	18181.483	1.491	P 18 (26-1)
		1.473	P144 (27-0)
		1.438	R176 (26-0)
1141	18181.263	1.266	R 22 (26-1)
1142	18181.151	1.148	P 76 (27-1)
1143	18180.886	0.936	P 19 (26-1)
		0.885	R184 (25-0)
		0.847	R163 (28-0)
1144	18180.823	0.822	P125 (29-1)
		0.798	R105 (28-1)
1145	18180.699	0.701	R 23 (26-1)
1146	18180.367	0.357	P 20 (26-1)
		0.346	P 65 (24-0)
		0.262	P160 (28-0)
1147	18180.187	0.108	R 24 (26-1)
	18179.936	9.918	P107 (28-1)
		9.432	R 80 (27-1)
1148	18179.682	9.693	R124 (29-1)
		9.681	R 69 (24-0)
1149	18179.789	9.788	P 21 (26-1)



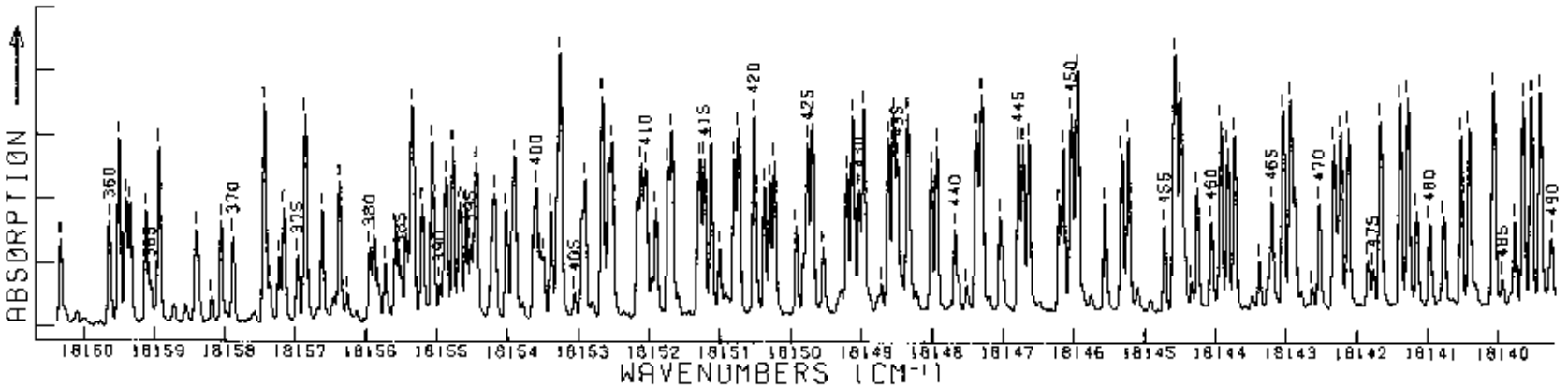
LINE	OBS CM-1	CALC	ASSIGNMENT
254	18180.350	0.357	P 20 (26-1)
		0.346	P 65 (24-0)
		0.342	P160 (24-0)
255	18180.108	0.109	R 24 (26-1)
256	18179.883	9.908	P105 (24-1)
		9.932	R 80 (27-1)
		9.893	R129 (29-1)
		9.881	R 69 (24-0)
257	18179.749	9.750	P 21 (26-1)
258	18179.490	9.491	R 25 (26-1)
	18179.481	9.396	P126 (29-1)
259	18179.299	9.296	P101 (25-0)
260	18179.116	9.117	P 22 (26-1)
261	18179.080	9.048	P 77 (27-1)
	18178.927		
262	18178.813	8.806	R 26 (26-1)
		8.805	R129 (26-0)
263	18178.585	8.583	P 66 (24-0)
264	18178.459	8.460	R148 (27-0)
		8.457	P 23 (26-1)
	18178.316		
265	18174.118	8.174	R 27 (26-1)
		8.128	R105 (25-0)
		8.109	R 70 (24-0)
	18177.946		
266	18177.770	7.779	R109 (28-1)
		7.770	P 24 (26-1)
		7.762	R 81 (27-1)
		7.704	P143 (30-1)
267	18177.673	7.676	R 28 (26-1)
268	18177.354	7.348	P145 (27-0)
		7.325	P126 (26-0)
269	18177.054	7.056	P 25 (26-1)
270	18176.935	6.928	P106 (28-1)
271	18176.796	6.819	P 78 (27-1)
		6.795	P 67 (24-0)
		6.751	R 29 (26-1)

LINE	OBS CM-1	CALC	ASSIGNMENT
272	18176.635		
273	18176.530	6.588	P102 (25-0)
274	18176.312	6.316	P 26 (26-1)
		6.318	R 71 (24-0)
	18176.185	6.192	R177 (29-0)
		6.181	R150 (29-1)
	18176.151	6.135	R164 (28-0)
275	18175.997	5.999	R 30 (26-1)
	18175.693	5.689	P127 (24-1)
276	18175.556	5.581	P101 (24-0)
		5.565	R 82 (27-1)
		5.549	P 27 (26-1)
	18175.448		
	18175.345	5.348	R106 (25-0)
277	18175.287	5.289	R150 (26-0)
278	18175.221	5.221	R 31 (26-1)
279	18175.099		
280	18174.979	4.977	P 68 (24-0)
281	18174.758	4.755	P 28 (26-1)
		4.732	R110 (28-1)
282	18174.614	4.613	P 79 (27-1)
283	18174.487	4.485	R 72 (24-0)
284	18174.415	4.416	R 32 (24-1)
285	18174.311	4.306	R149 (27-0)
	18174.235		
286	18173.939	3.935	P 29 (26-1)
287	18173.883	3.878	P107 (28-1)
288	18173.801	3.799	P127 (26-0)
289	18173.735	3.732	P103 (25-0)
290	18173.589	3.584	R 33 (26-1)
291	18173.341	3.342	P144 (30-1)
		3.339	R 83 (27-1)
292	18173.136	3.103	P146 (27-0)
		3.135	P 69 (24-0)
		3.044	P 30 (26-1)
	18172.991		

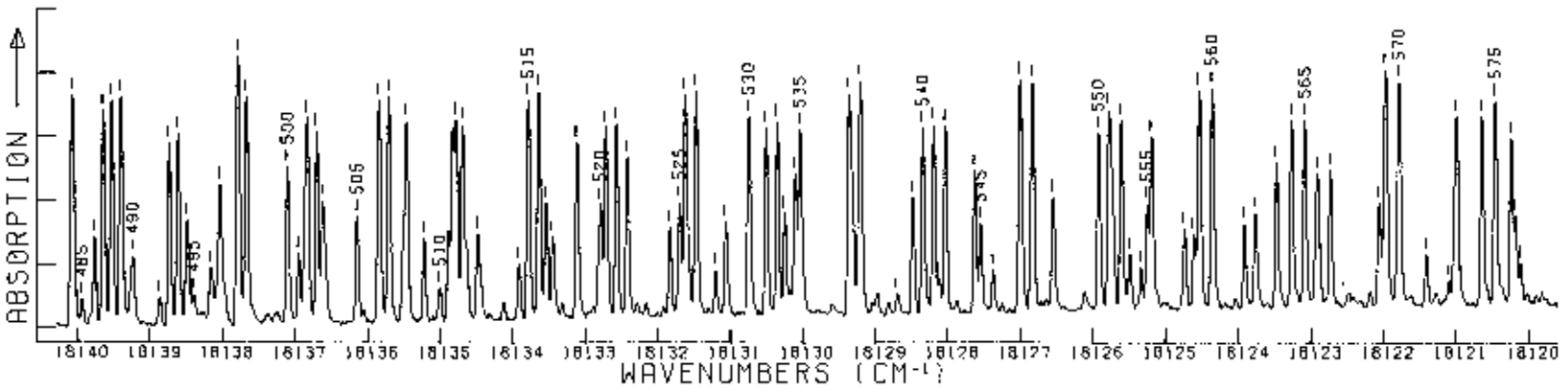
LINE	OBS CM-1	CALC	ASSIGNMENT
293	18172.728	2.725	R 34 (26-1)
294	18172.635	2.634	R 73 (24-0)
295	18172.533	2.532	P107 (25-0)
	18172.441	2.439	R131 (29-1)
296	18172.379	2.378	P 80 (27-1)
297	18172.212	2.214	P 31 (26-1)
	18171.955	1.952	P128 (29-1)
298	18171.839	1.840	R 35 (26-1)
299	18171.733	1.734	R131 (26-0)
300	18171.660	1.665	R111 (28-1)
	18171.538		
	18171.396	1.392	R165 (28-0)
301	18171.288	1.314	P 32 (26-1)
		1.267	P 70 (24-0)
	18171.187		
302	18171.089	1.084	R 84 (27-1)
303	18170.916	0.928	R 36 (26-1)
		0.922	R178 (29-0)
		0.910	P104 (25-0)
		0.849	P162 (28-0)
304	18170.757	0.799	P108 (26-1)
		0.756	R 74 (24-0)
	18170.623		
305	18170.386	0.387	P 33 (26-1)
306	18170.246	0.245	P128 (26-0)
307	18170.118	0.118	R150 (27-0)
		0.116	P 81 (27-1)
308	18169.989	9.989	R 37 (26-1)
309	18169.693	9.692	R104 (25-0)
	18169.433	9.433	P 34 (26-1)
310	18169.379	9.372	P 71 (24-0)
311	18169.098	9.098	P145 (30-1)
312	18169.019	9.023	R 38 (26-1)
		9.006	P147 (27-0)
313	18168.853	8.852	R 75 (24-0)
		8.805	R 85 (27-1)

LINE	OBS CM-1	CALC	ASSIGNMENT
	18168.879	8.866	R132 (29-1)
314	18168.552	8.549	R112 (28-1)
315	18168.451	8.452	P 35 (26-1)
316	18168.188	8.184	P129 (29-1)
		8.158	R152 (28-0)
317	18168.053	8.060	P105 (25-0)
		8.031	R 39 (26-1)
318	18167.826	7.827	P 82 (27-1)
319	18167.693	7.692	P109 (26-1)
320	18167.450	7.451	P 72 (24-0)
		7.448	P 36 (26-1)
321	18167.339		
322	18167.011	7.011	R 40 (26-1)
323	18166.922	6.922	R 76 (24-0)
324	18166.826	6.825	R109 (25-0)
325	18166.660	6.662	P129 (26-0)
		6.616	R186 (28-0)
326	18166.498	6.496	R 86 (27-1)
327	18166.410	6.411	P 37 (26-1)
328	18166.361		
	18166.089	6.088	P163 (28-0)
329	18165.965	5.965	R 91 (26-1)
330	18165.908	5.909	R151 (27-0)
	18165.614	5.619	R179 (29-0)
331	18165.506	5.509	P 83 (27-1)
		5.508	P 73 (24-0)
332	18165.419	5.414	R113 (28-1)
333	18165.350	5.350	P 38 (26-1)
334	18165.184	5.182	P106 (25-0)
335	18164.966	4.965	R 77 (24-0)
336	18164.880	4.893	R 92 (26-1)
		4.863	R133 (29-1)
337	18164.799	4.794	P148 (27-0)
	18164.674	4.673	P146 (30-1)
338	18164.548	4.565	P110 (28-1)
		4.547	R133 (26-0)
	18164.391	4.386	P130 (29-1)

LINE	OBS CM-1	CALC	ASSIGNMENT
339	18164.262	4.263	P 39 (26-1)
340	18164.160	4.159	R 87 (27-1)
341	18163.931	3.931	R110 (28-0)
342	18163.792	3.793	R 43 (26-1)
343	18163.530	3.531	P 74 (24-0)
344	18163.183	3.184	P 88 (27-1)
		3.148	P 40 (26-1)
345	18163.054	3.051	P130 (26-0)
346	18162.963	2.962	R 78 (24-0)
347	18162.666	2.667	R 44 (26-1)
	18162.449		
348	18162.276	2.277	P107 (28-0)
		2.258	R114 (28-1)
349	18162.007	2.007	P 41 (26-1)
350	18161.798	1.810	R167 (28-0)
		1.794	R 88 (27-1)
	18161.647	1.651	R152 (27-0)
351	18161.526	1.531	P 78 (24-0)
		1.513	R 45 (26-1)
352	18161.389	1.389	P111 (28-1)
353	18161.289	1.290	P164 (28-0)
354	18160.977	1.029	R134 (29-1)
		1.008	R111 (25-0)
		0.972	R 79 (24-0)
355	18160.913	0.910	R134 (26-0)
356	18160.837	0.839	P 42 (26-1)
357	18160.796	0.796	P 85 (27-1)
358	18160.550	0.508	P131 (29-1)
		0.549	P149 (27-0)
359	18160.332	0.333	R 46 (26-1)
	18160.269		
	18160.100		
360	18159.645	9.645	P 43 (26-1)
361	18159.505	9.504	P 76 (24-0)
362	18159.407	9.411	P131 (26-0)
		9.400	R 89 (27-1)
363	18159.347	9.345	P108 (25-0)



LINE	OBS CM-1	CALC	ASSIGNMENT
359	18160.332	0.335	R 46 (26-1)
	18160.209		
	18160.108		
360	18159.845	9.845	P 43 (26-1)
361	18159.505	9.504	P 76 (28-0)
362	18159.387	9.411	P131 (26-0)
		9.400	R 49 (27-1)
363	18159.347	9.345	P108 (25-0)
364	18159.125	9.126	R 47 (26-1)
365	18159.063	9.057	R115 (28-1)
366	18158.937	8.936	R 80 (24-0)
	18158.730		
	18158.584		
367	18158.414	8.423	P 46 (26-1)
		8.389	P 86 (27-1)
368	18158.193	8.194	P112 (26-1)
369	18158.059	8.058	R112 (25-0)
370	18157.891	7.892	R 48 (26-1)
	18157.899		
371	18157.452	7.453	P 77 (24-0)
372	18157.377	7.372	R153 (27-0)
373	18157.245	7.245	R138 (26-0)
374	18157.174	7.175	P 45 (26-1)
		7.164	R135 (29-1)
375	18156.981	6.979	R 90 (27-1)
		6.971	R168 (28-0)
376	18156.873	6.873	R 81 (24-0)
	18156.763	6.699	P132 (29-1)
377	18156.632	6.632	R 49 (26-1)
	18156.473	6.466	P160 (26-0)
378	18156.386	6.385	P109 (25-0)
379	18156.278	6.274	P150 (27-0)
	18186.149		
380	18155.960	5.960	R 87 (27-1)
381	18155.899	5.900	P 46 (26-1)
382	18155.801	5.834	R115 (28-1)
383	18155.742	5.742	P132 (24-0)
384	18155.585	5.604	R 1 (23-0)
		5.582	R 2 (23-0)
		5.560	R 0 (23-0)
		5.575	R 3 (23-0)
385	18155.523	5.523	R 4 (23-0)
386	18155.445	5.456	P 1 (23-0)
		5.465	R 5 (23-0)
387	18155.364	5.373	P 78 (28-0)
		5.386	P 2 (23-0)
		5.344	R 50 (26-1)
		5.342	R 6 (23-0)
388	18155.217	5.231	P 3 (23-0)
		5.219	R 7 (23-0)
389	18155.079	5.081	R113 (25-0)
		5.080	P 4 (23-0)
		5.060	R 8 (23-0)
390	18154.970	4.970	P113 (28-1)
391	18154.885	4.904	P 5 (23-0)
		4.861	R 9 (23-0)
392	18154.784	4.784	R 82 (24-0)
393	18154.682	4.702	P 6 (23-0)
		4.676	R 10 (23-0)
394	18154.598	4.598	P 47 (26-1)
395	18154.535	4.536	R 91 (27-1)
396	18154.453	4.475	P 7 (23-0)
		4.446	R 11 (23-0)
397	18154.197	4.223	P 8 (23-0)
		4.191	R 12 (23-0)
398	18154.050	4.038	R 51 (26-1)
399	18153.913	3.945	P 9 (23-0)
		3.910	R 13 (23-0)
	18153.799		
400	18153.687	3.642	P 10 (23-0)
		3.603	R 14 (23-0)
401	18153.550	3.550	R136 (26-0)
402	18153.509	3.503	P 48 (27-1)
403	18153.399	3.398	P110 (25-0)
404	18153.278	3.314	P 11 (23-0)
		3.272	R 15 (23-0)
		3.278	P 49 (26-1)
		3.269	R136 (29-1)
		3.267	P 79 (28-0)
405	18153.064	3.065	R154 (27-0)
406	18152.916	2.908	P 12 (23-0)
		2.915	R 16 (23-0)
	18152.810	2.810	R133 (24-1)
407	18152.672	2.689	R 52 (26-1)
		2.669	R 83 (24-0)
	18152.579	2.582	R117 (28-1)
		2.562	P 13 (23-0)
408	18152.534	2.532	R 17 (23-0)
409	18152.184	2.176	P 14 (23-0)
		2.128	R 18 (23-0)
		2.101	R169 (28-0)
410	18152.062	2.076	R114 (25-0)
		2.053	R 98 (27-1)
		2.044	P133 (26-0)
	18151.975	1.969	P151 (27-0)
411	18151.915	1.919	P 99 (28-1)
412	18151.743	1.746	P 15 (23-0)
413	18151.693	1.717	P114 (26-1)
		1.691	R 19 (23-0)
	18151.606	1.606	P166 (28-0)
414	18151.299	1.320	R 53 (26-1)
		1.298	P 16 (23-0)
415	18151.233	1.232	R 20 (23-0)
416	18151.136	1.136	P 80 (24-0)
417	18151.017	1.016	P 69 (27-1)
418	18150.809	0.809	P 17 (23-0)
419	18150.748	0.748	R 21 (23-0)
420	18150.627	0.632	P 50 (26-1)
		0.587	R 84 (24-0)
421	18150.383	0.383	P111 (25-0)
422	18150.302	0.303	P 18 (23-0)
423	18150.239	0.234	R 22 (23-0)
424	18149.987	9.985	R 54 (26-1)
425	18149.771	9.827	R137 (26-0)
		9.771	P 19 (23-0)
426	18149.703	9.708	R 23 (23-0)
427	18149.548	9.547	R 93 (27-1)
	18149.302	9.343	R137 (29-1)
		9.300	R118 (28-1)
428	18149.218	9.214	P 20 (23-0)
429	18149.136	9.143	R 24 (23-0)
		9.125	P 51 (26-1)
430	18149.044	9.043	R115 (25-0)
431	18148.978	8.977	P 81 (24-0)
	18148.898	8.898	P134 (24-1)
432	18148.738	8.723	R155 (27-0)
433	18148.632	8.632	P 21 (23-0)
434	18148.557	8.557	R 25 (23-0)
435	18148.486	8.504	P 90 (27-1)
		8.503	R 55 (26-1)
436	18148.457	8.435	P119 (28-1)
437	18148.357	8.358	R 85 (24-0)
		8.316	P134 (24-0)
	18148.234		
438	18148.024	8.024	P 22 (23-0)
439	18147.946	7.946	R 26 (23-0)
440	18147.687	7.687	P 52 (26-1)
		7.634	P152 (27-0)
441	18147.628		
442	18147.580	7.590	P 23 (23-0)
443	18147.312	7.360	P112 (25-0)
		7.309	R 27 (23-0)
	18147.208	7.199	R170 (28-0)
444	18147.050	7.054	R 56 (26-1)
		7.019	R 94 (27-1)
445	18146.793	6.793	P 82 (24-0)
446	18146.732	6.732	R 24 (23-0)
		6.717	P167 (28-0)
447	18146.647	6.647	R 28 (23-0)
	18146.508		
448	18146.283	6.224	P 83 (26-1)
449	18146.165	6.163	R 86 (24-0)
450	18146.058	6.074	R138 (26-0)
		6.047	P 25 (23-0)
451	18145.963	5.980	R119 (28-1)
		5.983	R116 (25-0)
		5.943	P 91 (27-1)
		5.959	R 29 (23-0)
	18180.772		
452	18145.578	5.576	R 57 (26-1)
453	18145.337	5.386	R138 (29-1)
		5.358	P 26 (23-0)
454	18145.245	5.246	R 58 (26-1)
	18145.125	5.123	P116 (28-1)
	18144.981	4.940	P135 (26-1)
455	18144.735	4.734	P 54 (26-1)
456	18144.568	4.603	P 27 (23-0)
		4.582	R 59 (24-0)
		4.563	P138 (26-0)
457	18144.507	4.507	R 31 (23-0)
		4.452	P 95 (27-1)
458	18144.353	4.308	R156 (27-0)
459	18144.270	4.270	P113 (25-0)
460	18144.074	4.078	P 58 (26-1)
461	18143.941	3.941	R 87 (24-0)
462	18143.843	3.842	P 28 (23-0)
463	18143.743	3.743	R 32 (23-0)
	18143.697		
464	18143.385	3.344	P 92 (27-1)
465	18143.217	3.269	P153 (27-0)
		3.217	P 85 (26-1)
466	18143.055	3.056	P 29 (23-0)
467	18142.953	2.954	R 33 (23-0)
468	18142.897	2.894	R117 (25-0)
	18142.804		
469	18142.640	2.649	R120 (28-1)
470	18142.546	2.545	R 59 (26-1)
471	18142.343	2.344	P 30 (23-0)
		2.293	R139 (26-0)
472	18142.245	2.245	R171 (28-0)
		2.243	P 30 (23-0)
473	18142.138	2.139	R 34 (23-0)
474	18141.862	1.862	R 96 (27-1)
475	18141.784	1.796	P165 (28-0)
		1.782	P117 (28-1)
476	18141.687	1.693	R 88 (24-0)
		1.674	P 56 (26-1)
477	18141.488	1.488	P 31 (23-0)
		1.398	R139 (29-1)
478	18141.298	1.298	R 35 (23-0)
479	18141.171	1.172	P114 (25-0)
480	18140.987	0.989	R 60 (26-1)
		0.959	P136 (29-1)
481	18140.789	0.797	P 93 (27-1)
		0.774	P136 (26-0)
482	18140.547	0.546	P 32 (23-0)
483	18140.432	0.432	R 36 (23-0)
	18140.341		
484	18140.083	0.103	P 57 (26-1)
		0.060	P 89 (24-0)
485	18139.955	9.953	R157 (27-0)
486	18139.778	9.778	R118 (25-0)
487	18139.656	9.658	P 33 (23-0)
488	18139.541	9.541	R 37 (23-0)
489	18139.414	9.414	R 89 (24-0)
		9.405	R 61 (26-1)
490	18139.298	9.279	R121 (28-1)
		9.244	R 97 (27-1)



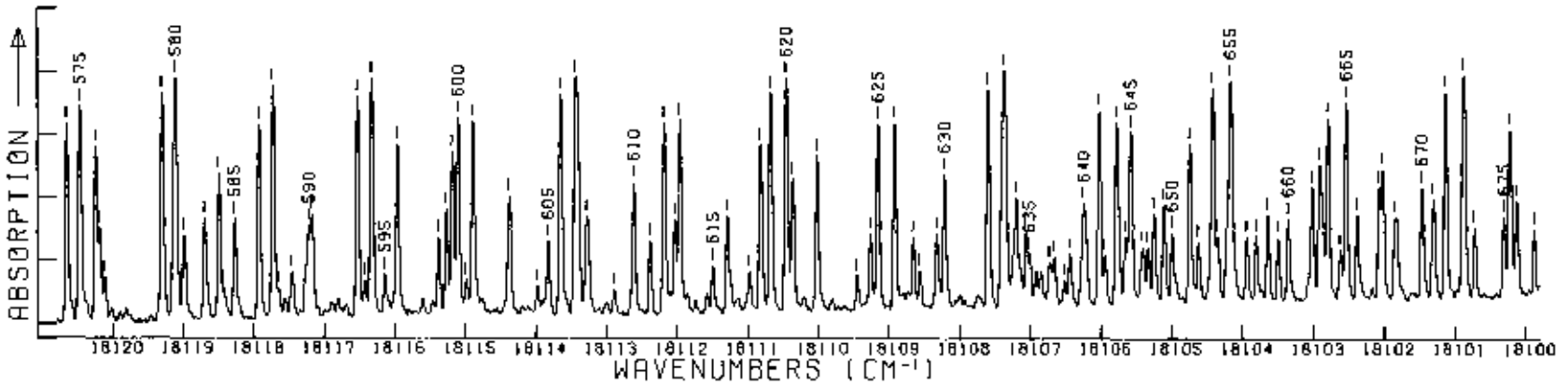
LINE	OBS CM-1	CALC	ASSIGNMENT
484	18140.083	0.103	P 57 (26-1)
		0.080	P 45 (24-0)
485	18139.955	9.953	R157 (27-0)
486	18139.778	9.778	R118 (25-0)
487	18139.658	9.658	P 55 (25-0)
488	18139.541	9.541	R 37 (23-0)
489	18139.419	9.418	R 89 (24-0)
		9.405	R 61 (26-1)
490	18139.298	9.279	R121 (28-1)
		9.264	R 97 (27-1)
491	18138.677	8.673	P154 (27-0)
492	18138.744	8.743	P 34 (23-0)
493	18138.628	8.623	R 38 (23-0)
494	18138.499	8.506	P 58 (26-1)
		8.488	R140 (26-0)
495	18138.400	8.412	P118 (28-1)
496	18138.178	8.172	P 94 (27-1)
497	18138.047	8.047	P115 (25-0)
498	18137.797	7.800	P 55 (23-0)
		7.794	R 62 (26-1)
		7.789	P 96 (24-0)
499	18137.680	7.681	R 39 (23-0)
	18137.585	7.580	R160 (29-1)
	18137.261	7.260	R172 (28-0)
500	18137.115	7.114	R 90 (24-0)
501	18136.963	6.965	P137 (26-0)
		6.947	P137 (29-1)
502	18136.844	6.842	P 59 (25-1)
		6.843	P169 (28-0)
		6.842	P 36 (23-0)
503	18136.712	6.713	R 40 (23-0)
504	18136.631	6.634	R119 (25-0)
		6.505	R 48 (27-1)
505	18136.156	6.158	R 43 (26-1)
	18136.067		

LINE	OBS CM-1	CALC	ASSIGNMENT
506	18135.852	5.850	R123 (28-1)
		5.852	P 37 (23-0)
507	18135.716	5.719	R 41 (23-0)
508	18135.473	5.522	R150 (27-0)
		5.519	P 85 (27-1)
		5.472	P 87 (24-0)
509	18135.231	5.230	P 68 (26-1)
510	18135.012	5.012	P119 (28-1)
	18134.896	4.896	R116 (25-0)
511	18134.789	4.837	P 36 (23-0)
		4.788	R 91 (26-0)
512	18134.699	4.708	P 42 (23-0)
	18134.645	4.642	R141 (26-0)
513	18134.495	4.491	R 64 (26-1)
		4.446	P185 (27-0)
	18134.333		
	18134.135		
514	18133.924	3.923	R 98 (27-1)
515	18133.794	3.796	P 39 (23-0)
516	18133.659	3.655	R 43 (23-0)
517	18133.552	3.552	P 61 (24-1)
518	18133.461	3.462	R128 (25-0)
	18133.388	3.330	R141 (26-1)
519	18133.128	3.129	P 88 (24-0)
		3.124	P138 (26-0)
	18132.909	2.905	P138 (29-1)
520	18132.801	2.836	P 96 (27-1)
521	18132.729	2.799	P 65 (26-1)
		2.730	P 40 (23-0)
522	18132.583	2.586	R 44 (25-0)
523	18132.438	2.434	R123 (28-1)
		2.433	R 92 (29-0)
	18132.299	2.341	R173 (29-0)
	18132.177		
	18131.934		

LINE	OBS CM-1	CALC	ASSIGNMENT
524	18131.894	1.859	P179 (28-0)
		1.847	P 62 (26-1)
525	18131.713	1.713	P137 (25-0)
526	18131.658	1.658	P 41 (23-0)
		1.604	P120 (28-1)
527	18131.488	1.490	R 45 (23-0)
	18131.319		
528	18131.221	1.221	R100 (27-1)
529	18131.077	1.080	R 66 (26-1)
		1.061	R159 (27-0)
530	18130.759	0.773	R102 (26-0)
		0.758	P 39 (24-0)
531	18130.620	0.621	P 62 (23-0)
532	18130.366	0.368	R 96 (23-0)
533	18130.263	0.263	R121 (25-0)
534	18130.118	0.128	P 97 (27-1)
		0.118	P 83 (26-1)
535	18130.051	0.052	R 93 (24-0)
		9.982	P156 (27-0)
	18129.806		
536	18129.377	9.374	P 93 (23-0)
		9.334	R 67 (26-1)
537	18129.220	9.254	P132 (26-0)
		9.250	R142 (29-1)
		9.221	R 47 (23-0)
	18129.055		
	18128.992	8.992	R124 (28-1)
	18128.853	8.852	P139 (29-1)
538	18128.710		
539	18128.580	8.585	P118 (25-0)
		8.498	R101 (27-1)
540	18128.358	8.362	P 98 (24-0)
		8.355	P 58 (26-1)
541	18128.210	8.211	P 44 (23-0)
542	18128.150	8.125	P121 (28-1)
543	18128.047	8.048	R 48 (23-0)
	18127.890		

LINE	OBS CM-1	CALC	ASSIGNMENT
544	18127.643	7.643	R 94 (28-0)
545	18127.561	7.560	R 68 (26-1)
546	18127.390	7.390	R 98 (27-1)
	18127.270	7.272	R174 (28-0)
547	18127.018	7.035	R122 (25-0)
		7.017	P 45 (25-0)
548	18126.851	6.875	R143 (28-0)
		6.850	R 49 (23-0)
		6.843	P171 (28-0)
	18126.730		
	18126.654		
549	18126.569	6.569	R160 (27-0)
		6.569	P 65 (26-1)
	18126.132		
550	18125.937	5.938	P 91 (24-0)
551	18125.795	5.797	P 46 (23-0)
		5.760	R 69 (26-1)
		5.730	R102 (27-1)
552	18125.626	5.626	R 50 (23-0)
553	18125.507	5.506	P107 (27-0)
		5.504	R125 (28-1)
554	18125.353	5.354	P140 (26-0)
555	18125.269	5.269	P119 (25-0)
556	18125.207	5.206	R 95 (24-0)
	18125.193	5.138	R143 (29-1)
557	18124.795	4.756	P 86 (26-1)
		4.728	P140 (29-1)
558	18124.625	4.628	P122 (28-1)
		4.625	P 99 (27-1)
559	18124.553	4.552	P 47 (23-0)
560	18124.375	4.377	R 51 (23-0)
	18124.059		
561	18123.933	3.933	R 70 (26-1)
562	18123.779	3.780	R123 (25-0)
563	18123.488	3.488	P 92 (24-0)
564	18123.281	3.282	P 48 (23-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
565	18125.108	3.102	R 52 (23-0)
566	18122.925	2.948	R149 (26-0)
		2.943	R103 (27-1)
		2.913	P 67 (26-1)
567	18122.746	2.747	P 96 (24-0)
	18122.502		
	18122.429		
	18122.204	2.210	R175 (28-0)
568	18122.077	2.078	R 71 (26-1)
		2.047	R161 (27-0)
569	18121.987	2.005	P120 (25-0)
		1.986	R126 (24-1)
		1.986	P 49 (23-0)
570	18121.800	1.831	P108 (27-1)
		1.691	R 53 (23-0)
		1.795	P172 (28-0)
	18121.654		
571	18121.426	1.425	P141 (26-0)
	18121.289		
572	18121.119	1.121	P123 (28-1)
573	18121.011	1.048	P 50 (26-1)
		1.012	P 93 (24-0)
		0.996	R144 (29-1)
		0.960	R158 (27-0)
574	18120.665	0.664	P 50 (23-0)
		0.596	P141 (29-1)
575	18120.477	0.496	R129 (25-0)
		0.475	R 54 (23-0)
	18120.389		
576	18120.256	0.246	R 97 (26-0)
577	18120.198	0.196	R 72 (26-1)
578	18120.129	0.127	R104 (27-1)
	18120.031		
	18119.911		
	18119.826		
	18119.764		



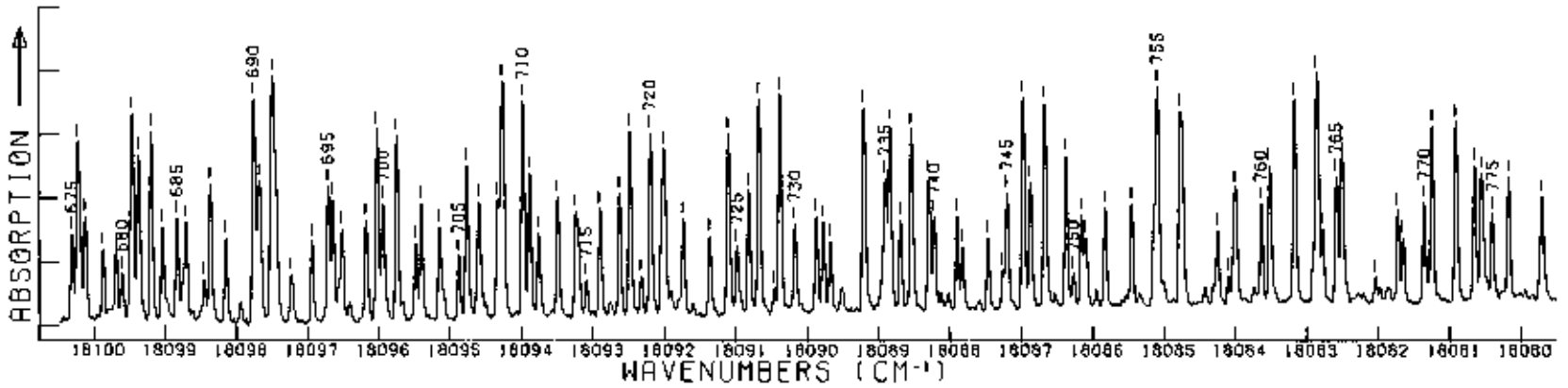
LINE	OBS CM-1	CALC	ASSIGNMENT
574	18120.668	0.694	P 50 (23-0)
		0.894	P141 (29-1)
576	18120.477	0.496	R124 (25-0)
		0.475	R 54 (23-0)
	18120.384		
576	18120.256	0.258	R 97 (24-0)
577	18120.196	0.196	R 78 (26-1)
578	18120.129	0.127	R104 (27-1)
	18120.031		
	18119.911		
	18119.826		
	18119.766		
	18119.679		
579	18119.317	0.317	P 51 (23-0)
580	18119.125	0.136	P 49 (26-1)
		0.123	R 58 (23-0)
581	18118.999	0.000	P101 (27-1)
		0.991	R165 (28-0)
582	18118.712	0.714	P121 (25-0)
583	18118.508	0.549	P 94 (24-0)
584	18118.443	0.439	R127 (28-1)
585	18118.286	0.287	R 73 (26-1)
586	18117.943	7.944	P 52 (23-0)
587	18117.743	7.745	R 56 (23-0)
		7.743	R 96 (24-0)
588	18117.667		
	18117.572	7.574	P124 (28-1)
589	18117.478	7.493	R162 (27-0)
		7.468	P148 (26-0)
590	18117.232	7.208	R105 (27-1)
		7.252	P 70 (26-1)
591	18117.189	7.185	R120 (25-0)
	18116.907		
	18116.821	6.822	R145 (29-1)
	18116.711	6.716	P173 (28-0)
592	18116.546	6.546	P 53 (23-0)
593	18116.449	6.442	P159 (27-0)
		6.428	P142 (29-1)

LINE	OBS CM-1	CALC	ASSIGNMENT
594	18115.944	6.351	R 74 (26-1)
		6.342	R 57 (23-0)
595	18115.187	6.158	P102 (27-1)
596	18115.977	5.979	P 95 (24-0)
		18115.617	
		18115.458	
597	18115.395	5.394	P122 (25-0)
598	18115.265	5.264	P 71 (26-1)
599	18115.201	5.201	R 99 (24-0)
600	18115.121	5.122	P 54 (23-0)
601	18115.003	5.006	R146 (26-0)
602	18114.911	4.913	R 56 (23-0)
		4.862	R128 (28-1)
	18114.767		
603	18114.392	4.409	R108 (27-1)
		4.388	R 78 (26-1)
604	18113.998	3.998	P125 (28-1)
605	18113.843	3.848	R126 (28-0)
606	18113.671	3.673	P 55 (23-0)
	18113.577		
607	18113.484	3.481	P103 (26-0)
		3.458	R 59 (23-0)
		3.422	P 96 (24-0)
608	18113.296	3.268	P 72 (26-1)
		3.279	P103 (27-1)
609	18112.907	2.909	R163 (27-0)
610	18112.629	2.632	R100 (24-0)
611	18112.398	2.397	R 76 (26-1)
612	18112.198	2.252	P143 (29-1)
		2.197	P 56 (23-0)
613	18112.047	2.047	P125 (28-0)
614	18111.977	1.978	R 60 (23-0)
	18111.869	1.863	P160 (27-0)
	18111.754		
	18111.592		
615	18111.506	1.506	R107 (27-1)
616	18111.304	1.305	P 73 (26-1)
		1.250	R129 (28-1)
	18111.182		
617	18110.988	0.990	R147 (26-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
618	18110.857	0.839	P 97 (24-0)
619	18110.696	0.697	P 57 (23-0)
620	18110.472	0.478	R127 (25-0)
		0.472	R 61 (23-0)
621	18110.379	0.382	P126 (28-1)
		0.379	R 77 (26-1)
		0.372	P104 (27-1)
	18110.219		
622	18110.036	0.036	R101 (24-0)
	18109.823		
623	18109.464	0.485	P104 (28-0)
624	18109.276	0.275	P 74 (26-1)
625	18109.170	0.170	P 58 (23-0)
626	18108.940	0.948	R 62 (23-0)
627	18108.670	0.672	P128 (25-0)
628	18108.576	0.578	R168 (27-1)
629	18108.335	0.336	R 78 (26-1)
		0.295	R164 (27-0)
630	18108.227	0.229	P 98 (24-0)
	18108.069	0.005	P104 (29-1)
	18107.758		
631	18107.615	7.618	R130 (26-1)
		7.616	P 59 (23-0)
		7.440	R 1 (25-1)
		7.437	P105 (27-1)
		7.436	R 2 (28-1)
		7.418	R 0 (25-1)
		7.414	R102 (24-0)
		7.406	R 3 (28-1)
		7.383	R 63 (23-0)
		7.380	R 4 (28-1)
632	18107.384	7.295	P 1 (29-1)
		7.268	R 5 (25-1)
		7.267	P181 (27-0)
		7.218	P 75 (26-1)
		7.195	P 2 (25-1)
		7.154	R 6 (25-1)
633	18107.041	7.052	R128 (25-0)
		7.060	P 3 (25-1)

LINE	OBS CM-1	CALC	ASSIGNMENT
635	18107.038	7.035	R 7 (25-1)
	18106.938	6.946	R148 (26-0)
		6.916	P 4 (28-1)
	18106.865	6.864	R 8 (28-1)
636	18106.782	6.757	P127 (28-1)
		6.737	P 5 (25-1)
637	18106.680	6.677	R 9 (28-1)
638	18106.595	6.532	P 6 (25-1)
639	18106.460	6.488	R 10 (28-1)
640	18106.261	6.301	P 7 (25-1)
		6.262	R 79 (26-1)
		6.205	R 11 (25-1)
641	18106.041	6.043	P 8 (25-1)
		6.040	P 60 (23-0)
	18105.962	5.968	R 12 (25-1)
642	18105.798	5.808	R 64 (23-0)
		0.766	P 9 (25-1)
643	18105.669	5.669	R 13 (25-1)
644	18105.594	5.620	R109 (27-1)
		8.582	P 99 (24-0)
645	18105.428	5.451	P 10 (25-1)
		5.420	P145 (28-0)
646	18105.302	5.351	R 14 (25-1)
647	18105.269	5.269	P125 (25-0)
648	18105.126	5.134	R 76 (26-1)
		5.118	P 11 (28-1)
649	18105.009	5.008	R 15 (28-1)
650	18104.761	4.765	R103 (24-0)
		4.753	P 12 (25-1)
651	18104.638	4.638	R 16 (28-1)
652	18104.458	4.474	P106 (27-1)
653	18104.360	4.437	P 61 (23-0)
654	18104.344	4.365	P 13 (25-1)
655	18104.187	4.262	R 17 (25-1)
		4.191	R 65 (23-0)
		4.163	R 80 (26-1)
656	18103.952	3.952	R131 (28-1)
		3.931	R 14 (28-1)
657	18103.820	3.826	R 18 (25-1)

LINE	OBS CM-1	CALC	ASSIGNMENT
	18103.749	3.747	P148 (28-1)
658	18103.696	3.699	R129 (28-0)
		3.644	R165 (27-0)
659	18103.511	3.511	P 15 (25-1)
660	18103.371	3.372	R 19 (25-1)
661	18103.329	3.292	P128 (28-1)
		3.245	P 16 (25-1)
		3.022	P 77 (26-1)
662	18102.925	2.924	P100 (24-0)
		2.897	R 20 (28-1)
		2.672	R109 (26-0)
663	18102.588	2.588	P 62 (23-0)
664	18102.432	2.435	R110 (27-1)
		2.418	P162 (27-0)
665	18102.284	2.556	R 66 (23-0)
		2.553	P 17 (25-1)
666	18102.207	2.197	R 21 (28-1)
	18102.187		
667	18102.066	2.068	R104 (24-0)
668	18102.036	2.036	R 81 (26-1)
		2.034	P 18 (25-1)
669	18101.880	1.878	R 22 (25-1)
		1.838	P126 (28-0)
	18101.628		
670	18101.485	1.484	P 19 (25-1)
		1.482	P107 (27-1)
671	18101.320	1.345	P146 (26-0)
		1.337	R 23 (25-1)
672	18101.152	1.163	P 63 (23-0)
673	18100.895	0.919	P 20 (25-1)
		0.890	R 67 (23-0)
		0.863	P 78 (26-1)
674	18100.735	0.736	R 24 (25-1)
675	18100.382	0.322	P 21 (25-1)
676	18100.236	0.256	R132 (28-1)
		0.239	P101 (28-0)
		0.207	R150 (25-0)
677	18100.152	0.153	R 25 (25-1)
678	18099.881	9.881	R 82 (26-1)



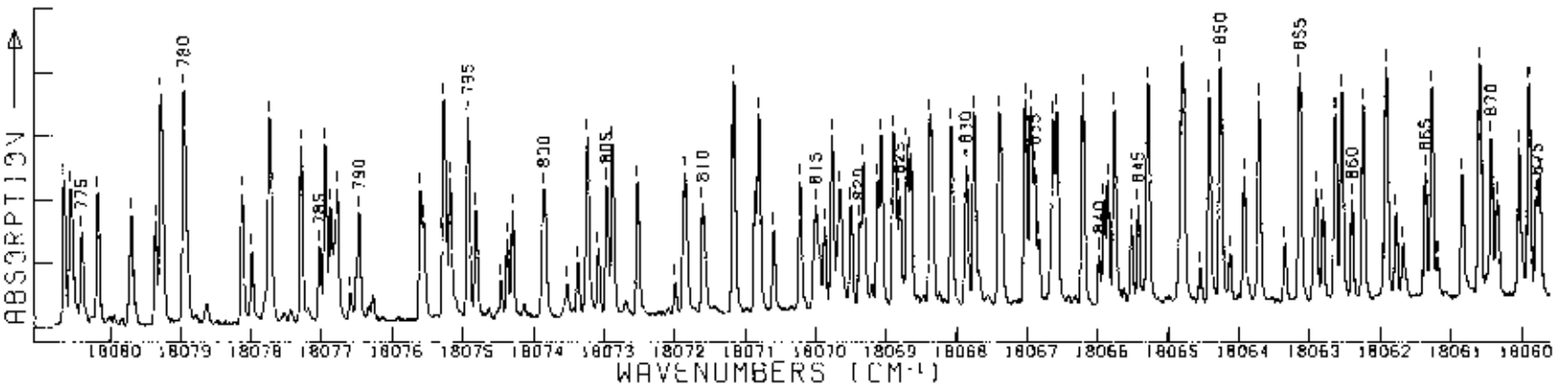
LINE	OBS CM-1	CALC	ASSIGNMENT
675	18100.382	0.382	P 21 (25-1)
676	18100.234	0.256	R130 (28-1)
		0.230	P101 (24-0)
		9.207	R134 (25-0)
677	18100.132	0.133	R 26 (28-1)
678	18099.881	9.881	R 82 (26-1)
679	18099.699	9.696	P 22 (25-1)
680	18099.617	9.615	R111 (27-1)
681	18099.474	9.501	R 26 (25-1)
		9.472	P 64 (23-0)
		9.458	P146 (29-1)
682	18099.384	9.368	P129 (28-1)
		9.385	R105 (24-0)
683	18099.208	9.209	R 84 (23-0)
684	18099.049	9.049	P 23 (25-1)
		8.973	R166 (27-0)
685	18098.844	8.848	R 27 (25-1)
686	18098.728	8.768	R180 (26-0)
		8.717	P 79 (26-1)
	18098.622		
687	18098.461	8.461	P108 (27-1)
688	18098.375	8.379	P127 (25-0)
		8.374	P 28 (28-1)
689	18098.160	8.160	R 28 (25-1)
	18097.950	7.948	P165 (27-0)
690	18097.786	7.766	P 65 (23-0)
691	18097.688	7.708	R 83 (26-1)
		7.672	P 25 (25-1)
692	18097.581	7.582	P102 (24-0)
		7.497	R 69 (23-0)
		7.458	R 29 (28-1)
693	18097.237	7.242	P147 (26-0)
694	18096.945	6.948	P 26 (25-1)
695	18096.719	6.727	R131 (25-0)
		6.714	R 30 (28-1)
696	18096.658	6.656	R106 (24-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
697	18096.525	6.574	R112 (27-1)
		6.569	R135 (26-1)
		6.524	P 80 (26-1)
698	18096.198	6.198	P 27 (25-1)
699	18096.035	6.034	P 66 (23-0)
700	18095.953	5.951	R 31 (25-1)
701	18095.799	5.789	R 70 (23-0)
	18095.673	5.678	P130 (28-1)
702	18095.491	5.491	R 84 (26-1)
703	18095.410	5.412	P106 (27-1)
		5.410	P 28 (25-1)
704	18095.162	5.162	R 32 (25-1)
		5.137	P147 (29-1)
705	18094.892	4.892	P126 (26-0)
706	18094.775	4.778	R103 (24-0)
707	18094.605	4.628	R151 (26-0)
		4.604	P 29 (25-1)
	18094.517		
708	18094.346	4.346	R 33 (25-1)
709	18094.277	4.304	P 81 (26-1)
		4.276	P 67 (23-0)
		4.265	R167 (27-0)
710	18093.994	3.995	R 71 (25-0)
711	18093.897	3.898	R107 (24-0)
712	18093.771	3.771	R 30 (25-1)
713	18093.605	3.586	R 34 (25-1)
		3.802	R113 (27-1)
714	18093.282	3.295	R 85 (26-1)
		3.258	P104 (27-0)
		3.219	R132 (25-0)
715	18093.106	3.109	P198 (26-0)
716	18092.914	2.913	P 31 (25-1)
	18092.771	2.773	R134 (28-1)
717	18092.649	2.639	R 36 (25-1)
718	18092.492	2.493	P 68 (23-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
719	18092.389	2.355	P110 (27-1)
720	18092.294	2.206	R 72 (25-0)
721	18092.015	2.086	P 82 (26-1)
		2.028	P 32 (28-1)
		2.007	P104 (24-0)
	18091.917	1.919	R131 (26-1)
722	18091.747	1.746	R 36 (25-1)
	18091.613		
723	18091.376	1.377	P129 (25-0)
724	18091.114	1.117	P 33 (25-1)
		1.114	R108 (24-0)
725	18090.991	0.991	R 86 (26-1)
726	18090.828	0.826	R 37 (25-1)
		0.786	P148 (29-1)
727	18090.663	0.655	P 69 (23-0)
728	18090.471	0.472	R152 (26-0)
729	18090.390	0.401	R114 (27-1)
		0.390	R 73 (23-0)
730	18090.180	0.179	P 34 (25-1)
731	18089.880	9.886	R 38 (25-1)
732	18089.783	9.781	P 83 (26-1)
733	18089.682	9.683	R133 (25-0)
	18089.583	9.537	R160 (27-0)
734	18089.212	9.220	P111 (27-1)
		9.216	P 35 (25-1)
		9.210	P105 (24-0)
735	18088.910	8.907	R135 (28-1)
		8.867	P149 (26-0)
		8.807	R 39 (25-1)
736	18088.868	8.868	P 70 (23-0)
737	18088.781	8.780	R 87 (26-1)
738	18088.548	8.548	R 74 (25-0)
		8.519	P165 (27-0)
739	18088.382	8.383	R109 (24-0)
740	18088.226	8.226	P 36 (25-1)
	18088.135	8.136	P138 (28-1)

LINE	OBS CM-1	CALC	ASSIGNMENT
	18088.034		
741	18087.969	7.968	R 40 (28-1)
742	18087.832	7.834	P130 (25-0)
	18087.686		
743	18087.478	7.479	P 84 (26-1)
744	18087.269	7.271	R116 (27-1)
745	18087.210	7.210	P 37 (25-1)
746	18086.987	6.988	P 71 (23-0)
747	18086.884	6.884	R 41 (25-1)
748	18086.682	6.682	R 75 (23-0)
	18086.541		
749	18086.385	6.383	P149 (29-1)
		6.366	P105 (24-0)
		6.301	R 88 (26-1)
750	18086.288	6.288	R153 (26-0)
751	18086.167	6.166	P 36 (25-1)
752	18086.110	6.118	R134 (28-0)
		6.065	P112 (27-1)
	18085.957		
753	18085.833	5.832	R 42 (25-1)
754	18085.684	5.668	R110 (24-0)
	18085.584		
755	18085.191	5.171	R136 (28-1)
		5.156	P 85 (26-1)
		5.101	P 72 (25-0)
		5.099	P 38 (25-1)
	18085.019		
	18084.899		
756	18084.779	4.789	R 76 (23-0)
		4.754	R169 (27-0)
		4.705	P150 (26-0)
		4.758	R 43 (25-1)
	18084.434		
	18084.319	4.321	P133 (28-1)
	18084.261	4.263	P151 (29-0)
757	18084.180	4.112	R115 (27-1)

LINE	OBS CM-1	CALC	ASSIGNMENT
759	18084.015	4.036	R 89 (26-1)
		4.005	P 88 (25-1)
	18083.884		
	18083.757	3.758	P144 (27-0)
	18083.682	3.653	R 44 (25-1)
760	18083.533	3.534	P107 (24-0)
761	18083.387	3.389	R 77 (23-0)
762	18083.197	3.189	P 73 (23-0)
763	18082.873	2.852	P132 (27-1)
		2.854	P 41 (25-1)
		2.838	R 91 (26-1)
		2.778	R 77 (23-0)
764	18082.783	2.785	P 86 (26-1)
765	18082.599	2.600	R111 (24-0)
766	18082.523	2.526	R139 (28-0)
		2.521	R 45 (25-1)
767	18082.054	2.058	R154 (26-0)
	18081.986	1.990	P152 (29-1)
	18081.737	1.736	P 42 (25-1)
768	18081.644	1.662	R 90 (26-1)
769	18081.388	1.364	R 46 (25-1)
		1.328	P137 (28-1)
771	18081.256	1.250	P 74 (23-0)
772	18080.928	0.925	R117 (27-1)
		0.925	R 78 (23-0)
773	18080.656	0.664	P132 (25-0)
		0.658	R108 (24-0)
774	18080.542	0.563	P 43 (25-1)
		0.534	P151 (26-0)
		0.479	R134 (28-1)
775	18080.409	0.408	P 87 (26-1)
	18080.276		
776	18080.182	0.182	R 47 (25-1)
	18080.024		
	18079.981	9.957	R170 (27-0)
	18079.844		
777	18079.788	9.761	P134 (27-1)
		9.707	R112 (24-0)



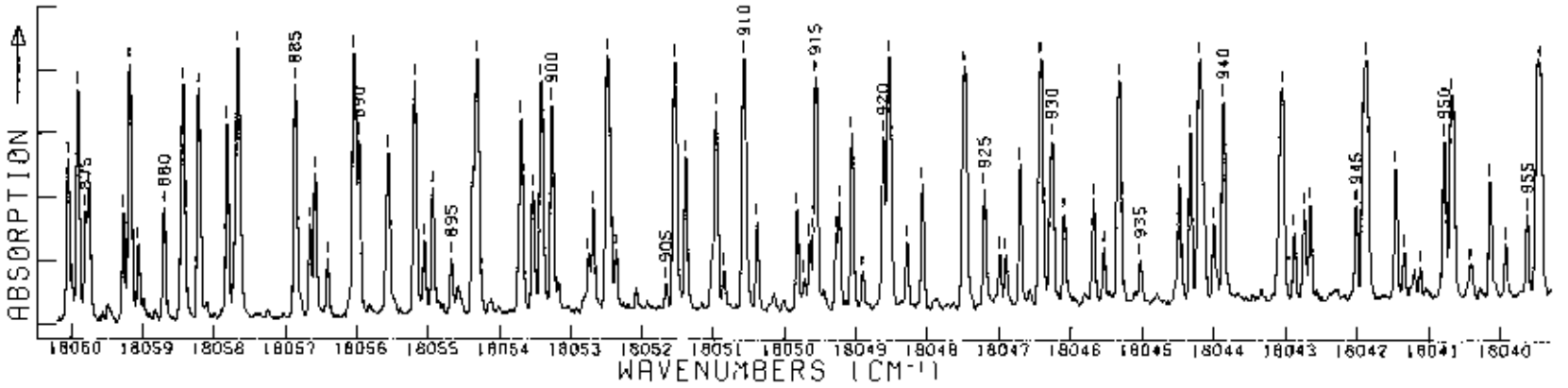
LINE	OBS CM-1	CALC	ASSIGNMENT
773	18080.658	0.664	P132 (25-0)
		0.656	P108 (24-0)
774	18080.562	0.563	P 43 (25-1)
		0.534	P151 (26-0)
		0.479	P134 (26-1)
775	18080.409	0.408	P 87 (26-1)
	18080.276		
776	18080.182	0.182	R 47 (25-1)
	18080.024		
	18079.951	9.957	R170 (27-0)
	18079.844		
777	18079.708	9.761	P114 (27-1)
		9.707	R112 (24-0)
778	18079.364	9.363	P 44 (25-1)
779	18079.262	9.286	P 75 (25-0)
		9.261	R 91 (26-1)
780	18078.958	8.972	R 46 (25-1)
		8.966	P167 (27-0)
		8.954	R 79 (23-0)
		8.904	R136 (25-0)
	18078.861		
	18078.659		
781	18078.137	8.137	P 45 (25-1)
782	18077.958	7.997	P 88 (26-1)
783	18077.743	7.807	R155 (26-0)
		7.751	P109 (24-0)
		7.737	R 49 (25-1)
		7.709	R118 (27-1)
	18077.643	7.545	P151 (26-1)
	18077.443	7.448	R138 (26-1)
784	18077.248	7.246	P 76 (25-0)
	18077.198		
785	18077.057	7.036	P133 (25-0)
786	18076.957	6.958	R 80 (23-0)
787	18076.865	6.868	P 46 (25-1)
788	18076.789	6.833	R 92 (26-1)
		6.788	R113 (24-0)
789	18076.683	6.685	P135 (26-1)
790	18076.477	6.571	P115 (27-1)
		6.475	R 50 (25-1)
	18076.387		
	18076.282	6.288	P152 (26-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
791	18075.606	5.606	P 47 (25-1)
792	18075.565	5.558	P 89 (26-1)
793	18075.278	5.283	P 77 (23-0)
		5.255	R137 (25-0)
794	18075.187	5.187	R 51 (25-1)
795	18074.939	4.935	P 81 (23-0)
796	18074.818	4.819	P110 (24-0)
		18074.685	
797	18074.465	4.465	R119 (27-1)
798	18074.377	4.377	R 93 (26-1)
799	18074.301	4.301	P 48 (25-1)
		18074.144	4.143	P168 (27-0)
800	18073.856	3.872	R 52 (25-1)
		3.842	R114 (24-0)
801	18073.532	3.542	R139 (26-1)
		3.526	R156 (26-0)
	18073.456		
802	18073.379	3.381	P134 (25-0)
803	18073.240	3.273	P116 (27-1)
		3.239	P 78 (23-0)
804	18073.091	3.091	P 90 (26-1)
		3.068	P152 (26-1)
805	18072.978	2.949	P 49 (25-1)
806	18072.886	2.886	R 82 (23-0)
	18072.700	2.702	P136 (26-1)
807	18072.581	2.581	R 53 (25-1)
	18072.101		
808	18071.999	2.004	P135 (26-0)
809	18071.861	1.863	R 94 (26-1)
		1.860	P117 (24-0)
810	18071.610	1.612	P 80 (26-1)
		1.577	R138 (25-0)
811	18071.170	1.171	R120 (27-1)
		1.171	P 79 (23-0)
		1.164	R 54 (25-1)
	18070.866	0.866	R115 (24-0)
812	18070.811	0.812	R 83 (23-0)
813	18070.599	0.598	P 91 (26-1)
814	18070.830	0.226	P 51 (25-1)

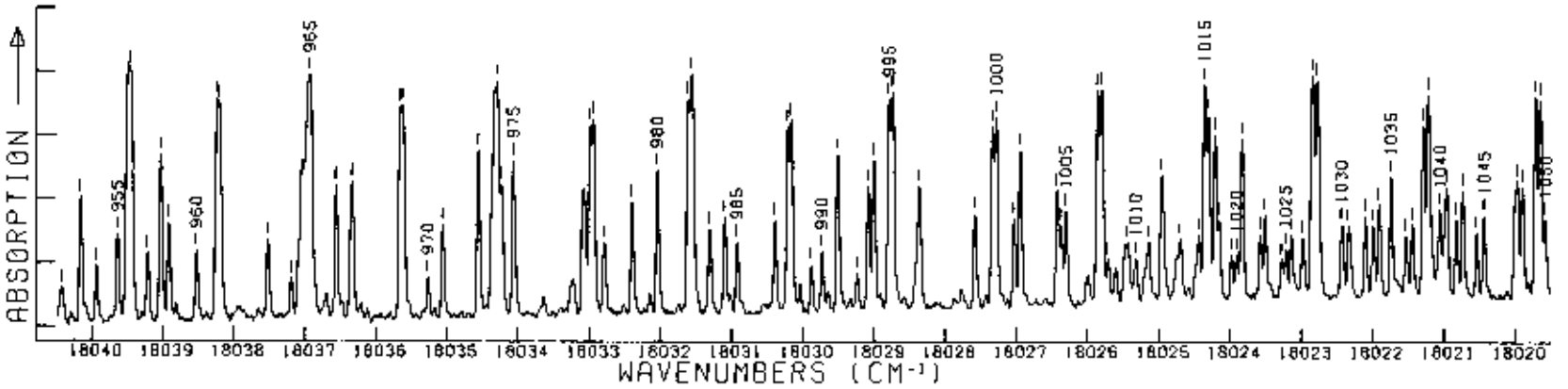
LINE	OBS CM-1	CALC	ASSIGNMENT
815	18070.006	0.050	R 1 (22-0)
		0.030	R 2 (22-0)
		0.006	R 0 (22-0)
		9.995	R 3 (22-0)
		9.994	P117 (27-1)
		9.955	R 4 (22-0)
816	18069.880	9.881	P 1 (22-0)
		9.880	R 5 (22-0)
817	18069.774	9.782	P 2 (22-0)
		9.781	R 6 (22-0)
		9.770	R 55 (25-1)
818	18069.689	9.697	P135 (25-0)
		9.667	P 3 (22-0)
		9.656	R 7 (22-0)
		9.605	R140 (26-1)
819	18069.504	9.508	P 4 (22-0)
		9.506	R 8 (22-0)
820	18069.383	9.388	R 95 (26-1)
821	18069.331	9.333	P 5 (22-0)
		9.339	R 9 (22-0)
		9.289	P136 (27-0)
	18069.213	9.215	R157 (26-0)
822	18069.131	9.132	P 6 (22-0)
		9.132	R 10 (22-0)
823	18069.079	9.078	P 80 (23-0)
824	18068.984	8.919	P 7 (22-0)
		8.908	R 11 (22-0)
		8.874	P112 (24-0)
825	18068.819	8.817	P 52 (25-1)
		8.769	P137 (26-1)
826	18068.711	8.711	R 84 (23-0)
827	18068.668	8.661	P 8 (22-0)
		8.658	R 12 (22-0)
	18068.569	8.560	P153 (26-1)
	18068.475		
828	18068.388	8.387	P 9 (22-0)
		8.384	R 13 (22-0)
		8.350	R 56 (25-1)
	18068.252		
829	18068.063	8.088	P 10 (22-0)
		8.085	R 14 (22-0)
		8.076	P 92 (26-1)

LINE	OBS CM-1	CALC	ASSIGNMENT
830	18067.870	7.869	R121 (27-1)
		7.871	R139 (25-0)
		7.868	R116 (24-0)
831	18067.781	7.784	P 11 (22-0)
		7.760	R 15 (22-0)
	18067.692	7.694	P154 (26-0)
	18067.573		
832	18067.404	7.415	P 12 (22-0)
		7.411	R 16 (22-0)
		7.383	P 53 (25-1)
833	18067.037	7.041	P 13 (22-0)
		7.037	R 17 (22-0)
834	18066.958	6.959	P 81 (23-0)
835	18066.906	6.903	R 57 (25-1)
836	18066.846	6.845	R 96 (26-1)
837	18066.639	6.690	P118 (27-1)
		6.643	P 14 (22-0)
		6.638	R 18 (22-0)
838	18066.584	6.584	R 85 (23-0)
	18066.423		
	18066.331		
839	18066.215	6.219	P 15 (22-0)
		6.214	R 19 (22-0)
840	18065.986	5.986	P136 (25-0)
841	18065.918	5.917	P 54 (25-1)
842	18065.861	5.861	P115 (24-0)
843	18065.767	5.771	P 16 (22-0)
		5.765	R 20 (22-0)
	18065.637	5.638	R191 (28-1)
844	18065.530	5.527	P 93 (26-1)
845	18065.432	5.430	R 58 (25-1)
846	18065.292	5.297	P 17 (22-0)
		5.291	R 21 (22-0)
847	18064.883	4.874	R150 (26-0)
		4.840	R117 (24-0)
		4.813	P 82 (23-0)
		4.806	P138 (26-1)
		4.799	P 18 (22-0)
		4.793	R 22 (22-0)
848	18064.054	4.557	R122 (27-1)
849	18063.930	4.431	R 86 (23-0)
		4.428	P 55 (25-1)
		4.405	P170 (27-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
850	18064.271	4.277	R 97 (26-1)
		4.276	P 19 (22-0)
		4.269	R 23 (22-0)
851	18064.135	4.134	R140 (25-0)
	18064.088	4.083	P154 (26-1)
852	18063.932	3.930	R 59 (25-1)
853	18063.723	3.727	P 20 (22-0)
		3.720	R 24 (22-0)
854	18063.354	3.355	P158 (26-0)
855	18063.149	3.158	P 21 (22-0)
		3.146	R 25 (22-0)
856	18062.916	2.951	P 94 (26-1)
		2.912	R 56 (25-1)
857	18062.821	2.821	P114 (24-0)
858	18062.643	2.642	P 83 (23-0)
859	18062.581	2.554	R 22 (22-0)
		2.547	R 26 (22-0)
860	18062.406	2.404	R 60 (25-1)
861	18062.251	2.250	R 97 (25-0)
		2.246	P137 (25-0)
862	18061.927	1.933	P 23 (22-0)
		1.929	R 27 (22-0)
863	18061.785	1.785	R118 (24-0)
864	18061.685	1.683	R 98 (26-1)
		1.641	R142 (26-1)
865	18061.372	1.370	P 57 (25-1)
866	18061.279	1.288	P 24 (22-0)
		1.275	R 28 (22-0)
867	18061.197	1.197	R123 (27-1)
868	18060.855	0.852	R 61 (25-1)
		0.812	P139 (26-1)
869	18060.606	0.612	P 25 (22-0)
		0.601	R 29 (22-0)
870	18060.445	0.503	R150 (26-0)
		0.495	P 84 (23-0)
871	18060.356	0.373	R101 (25-0)
		0.367	P 95 (26-1)
872	18060.048	0.048	R 98 (25-0)
873	18059.997	9.992	P120 (27-1)
874	18059.907	9.914	P 26 (22-0)
		9.903	R 30 (22-0)
875	18059.802	9.801	P 58 (25-1)
876	18059.785	9.754	P115 (24-0)



LINE	OBS CM-1	CALC	ASSIGNMENT
872	18060.058	0.048	R 86 (25-0)
873	18059.997	9.992	P120 (27-1)
874	18059.907	9.914	P 26 (22-0)
		9.903	R 30 (22-0)
875	18059.882	9.801	P 78 (25-1)
876	18059.793	9.754	P115 (24-0)
	18059.568		
	18059.488	9.489	P171 (27-0)
877	18059.274	9.273	R 62 (25-1)
878	18059.183	9.191	P 27 (22-0)
		9.174	R 31 (22-0)
879	18059.063	9.062	R 99 (26-1)
	18058.986	8.947	P156 (26-0)
	18058.910		
	18058.827		
880	18058.792	8.702	R119 (24-0)
881	18058.439	8.477	P138 (25-0)
		8.443	P 28 (22-0)
		8.430	R 32 (22-0)
882	18058.217	8.228	P 85 (23-0)
		8.206	R 59 (25-1)
	18058.104		
	18057.998		
883	18057.816	7.817	R 89 (23-0)
		7.808	R124 (27-1)
884	18057.443	7.716	P 98 (26-1)
		7.670	P 29 (22-0)
		7.667	R 63 (25-1)
		7.656	R 53 (22-0)
		7.613	R143 (26-1)
	18057.249		
	18057.040		
885	18056.864	6.872	P 50 (22-0)
		6.856	R 36 (22-0)
		6.769	P140 (26-1)
886	18056.660	6.660	P116 (24-0)
887	18056.586	6.600	P121 (27-1)
		6.585	P 40 (25-1)
		6.561	R142 (24-0)
888	18056.413	6.412	R100 (26-1)
889	18056.040	6.193	R150 (26-0)
		6.049	P 31 (22-0)
		6.035	R 64 (25-1)
		6.034	R 35 (22-0)
890	18054.974	5.973	P 86 (23-0)
	18058.831		
891	18055.563	5.545	R120 (24-0)
		5.540	R 90 (23-0)
892	18055.193	5.201	P 32 (22-0)
		5.186	R 36 (22-0)
893	18055.060	5.057	P 97 (26-1)
894	18054.939	4.937	P 61 (25-1)
895	18054.681	4.681	P134 (25-0)
	18054.548	4.589	P157 (26-0)
		4.542	P178 (27-0)
	18054.375	4.390	R125 (27-1)
		4.376	R 65 (25-1)
896	18054.316	4.328	P 33 (22-0)
		4.311	R 37 (22-0)
	18054.122		
897	18053.700	3.738	R101 (26-1)
		3.698	P 87 (23-0)
898	18053.539	3.556	R149 (26-1)
		3.538	P117 (24-0)
899	18053.428	3.430	P 34 (22-0)
		3.413	R 38 (22-0)
900	18053.272	3.277	R 91 (23-0)
		3.262	P 62 (25-1)
	18053.179	3.180	P122 (27-1)
901	18052.758	2.761	R143 (25-0)
		2.756	R141 (26-1)
902	18052.698	2.691	P 88 (25-1)
903	18052.485	2.507	P 35 (22-0)
		2.448	R 39 (22-0)
		2.436	R121 (24-0)
904	18052.373	2.371	P 98 (26-1)
	18052.085		
	18051.926		
905	18051.674	1.672	R161 (26-0)
906	18051.531	1.561	P 63 (25-1)
		1.560	P 36 (22-0)
		1.548	R 40 (22-0)
907	18051.397	1.397	P 88 (23-0)
908	18050.973	1.031	R102 (26-1)
		0.988	R 67 (25-1)
		0.967	R 92 (23-0)
		0.943	R126 (27-1)
909	18050.856	0.856	P140 (25-0)
910	18050.579	0.567	P 37 (22-0)
		0.566	R 41 (22-0)
911	18050.390	0.390	P116 (24-0)
	18050.159	0.161	P158 (26-0)
	18050.024		
912	18049.830	9.839	P 89 (25-1)
913	18049.732	9.730	P125 (27-1)
914	18049.659	9.657	P 99 (26-1)
915	18049.576	9.569	P 38 (22-0)
		9.567	R 42 (22-0)
		9.565	P175 (27-0)
	18049.462	9.467	R145 (26-1)
916	18049.291	9.292	R122 (24-0)
917	18049.245	9.241	R 68 (25-1)
918	18049.070	9.069	P 89 (23-0)
919	18048.917	8.912	R144 (25-0)
920	18048.633	8.652	P142 (26-1)
		8.632	R 93 (23-0)
921	18048.551	8.566	P 39 (22-0)
		8.542	R 43 (22-0)
922	18048.300	8.298	R103 (26-1)
923	18048.082	8.060	P 69 (25-1)
924	18047.496	7.518	P 40 (22-0)
		7.493	R 94 (22-0)
		7.476	R 69 (25-1)
		7.467	R127 (27-1)
925	18047.214	7.214	P119 (24-0)
		7.212	R162 (26-0)
926	18047.003	7.002	P141 (25-0)
927	18046.917	6.915	P100 (26-1)
928	18046.717	6.716	P 90 (23-0)
	18046.584		
929	18046.429	6.445	P 41 (22-0)
		6.419	R 45 (22-0)
930	18046.274	6.300	P 66 (25-1)
		6.270	R 96 (23-0)
		6.252	P124 (27-1)
931	18046.109	6.100	R123 (24-0)
932	18045.659	5.703	P159 (26-0)
		5.686	R 70 (25-1)
933	18045.582	5.538	R104 (26-1)
934	18045.332	5.349	R146 (26-1)
		5.347	P 42 (22-0)
		5.320	R 46 (22-0)
	18045.105		
935	18045.035	5.035	R195 (25-0)
	18044.796		
936	18044.495	4.556	P174 (27-0)
		4.538	P143 (26-1)
		4.493	P 67 (25-1)
937	18044.338	4.337	P 91 (23-0)
938	18044.205	4.224	P 43 (22-0)
		4.195	R 97 (22-0)
		4.146	P101 (26-1)
939	18044.012	4.011	P120 (24-0)
		3.982	R128 (27-1)
940	18043.677	3.682	R 95 (23-0)
		3.667	R 71 (25-1)
941	18043.060	3.126	P142 (25-0)
		3.078	P 44 (22-0)
		3.045	R 98 (22-0)
942	18042.883	2.881	R124 (24-0)
943	18042.749	2.750	R105 (26-1)
		2.744	P125 (27-1)
		2.721	R163 (26-0)
944	18042.662	2.659	P 68 (25-1)
945	18042.026	2.022	R 72 (25-1)
946	18041.883	1.851	P 92 (23-0)
		1.902	P 45 (22-0)
		1.871	R 49 (22-0)
947	18041.470	1.455	R 99 (23-0)
948	18041.393	1.389	P102 (26-1)
	18041.288	1.218	P160 (26-0)
		1.200	P147 (28-1)
949	18041.128	1.129	R146 (25-0)
950	18040.794	0.799	P 69 (25-1)
		0.781	P121 (24-0)
951	18040.681	0.704	P 96 (22-0)
		0.671	R 50 (22-0)
952	18040.425	0.426	R129 (27-1)
		0.399	P145 (28-1)
	18040.292		
953	18040.155	0.151	R 73 (25-1)
954	18039.935	9.934	R106 (26-1)
955	18039.637	9.635	R125 (24-0)
956	18039.462	9.515	P175 (27-0)
		9.500	P 93 (23-0)
		9.481	P 47 (22-0)
		9.446	R 51 (22-0)



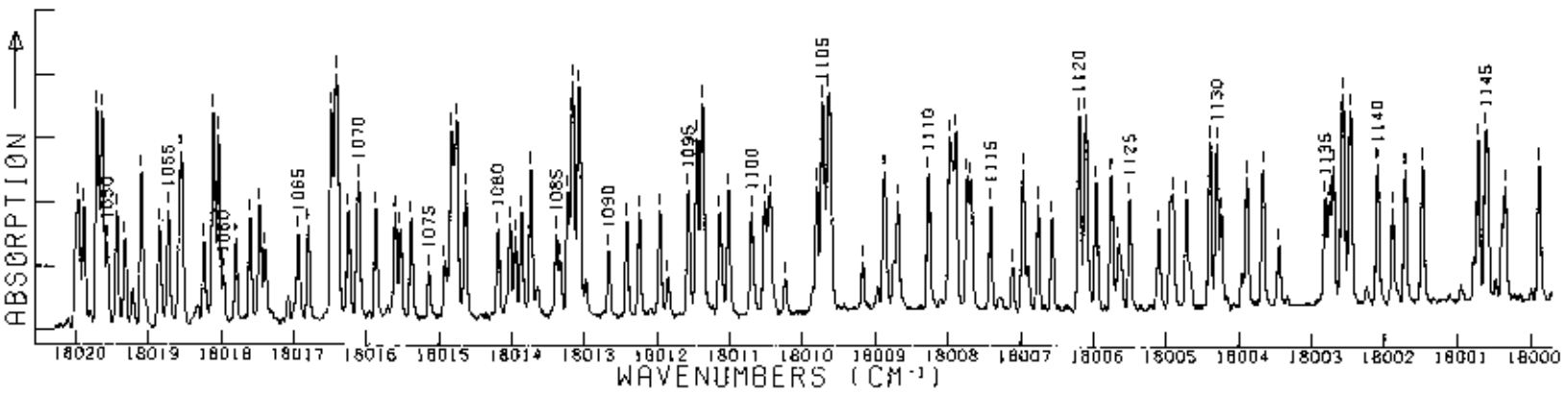
LINE	OBS CM-1	CALC	ASSIGNMENT
952	18040.425	0.428	R129 (27-1)
		0.394	P144 (26-1)
	18040.292		
953	18040.155	0.151	R 73 (25-1)
954	18039.935	9.934	R106 (26-1)
955	18039.637	9.635	R120 (24-0)
956	18039.462	9.515	P175 (27-0)
		9.500	P 83 (23-0)
		9.481	P 87 (22-0)
		9.446	R 51 (22-0)
957	18039.012	9.210	P143 (25-0)
		9.208	P126 (27-1)
958	18038.930	9.088	R 97 (23-0)
959	18038.916	8.913	P 78 (25-1)
	18038.812		
960	18038.626	8.624	P105 (26-1)
961	18038.236	8.253	R 79 (25-1)
		8.232	R 48 (22-0)
962	18038.203	8.201	R104 (26-0)
		8.196	R 52 (22-0)
	18037.655		
963	18037.524	7.529	P128 (24-0)
964	18037.197	7.194	R147 (25-0)
965	18036.927	7.090	R107 (26-1)
		7.062	P 98 (23-0)
		7.028	R148 (25-1)
		7.008	P 71 (25-1)
		6.989	P 69 (22-0)
		6.920	R 83 (22-0)
		6.865	R130 (27-1)
	18036.700	6.698	R101 (26-0)
966	18036.563	6.562	R 98 (23-0)
	18036.480		
967	18036.338	6.361	R126 (24-0)
		6.328	R 79 (25-1)
	18036.220	6.220	P145 (26-1)
	18036.186		

LINE	OBS CM-1	CALC	ASSIGNMENT
968	18036.663	6.672	P104 (26-1)
		5.660	P 50 (22-0)
		5.643	R127 (27-1)
969	18035.625	5.620	R 54 (22-0)
970	18035.273	5.271	P144 (25-0)
	18035.185		
971	18035.062	5.060	P 72 (25-1)
972	18034.860	4.858	P 93 (23-0)
		4.844	P126 (27-0)
		4.377	R 76 (25-1)
973	18034.299	4.337	P 51 (22-0)
		4.294	R 55 (22-0)
974	18034.239	4.240	P123 (26-0)
		4.239	R108 (26-1)
975	18034.070	4.069	R 90 (23-0)
	18033.680	3.658	R105 (26-0)
	18033.251	3.272	R131 (27-1)
		3.230	R148 (25-0)
	18033.080	3.084	P 73 (25-1)
		3.068	R127 (24-0)
976	18032.909	2.888	P 52 (22-0)
977	18032.967	2.944	R 56 (22-0)
978	18032.795	2.810	R149 (25-1)
		2.792	P106 (26-1)
	18032.524		
979	18032.482	2.399	R 77 (25-1)
	18032.158	2.151	P162 (26-0)
980	18032.050	2.049	P128 (27-1)
		2.048	P 96 (23-0)
		2.015	P146 (25-1)
	18031.758		
981	18031.615	1.614	P 53 (22-0)
982	18031.566	1.568	R 57 (22-0)
		1.560	R106 (27-0)
983	18031.315	1.319	R109 (26-1)
		1.304	P145 (25-0)
984	18031.104	1.101	P 74 (25-1)
	18031.023		
985	18030.928	0.928	P124 (24-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
	18030.854		
986	18030.397	0.394	R 78 (25-1)
987	18030.216	0.215	P 54 (22-0)
988	18030.168	0.166	R 58 (22-0)
989	18029.886	9.884	P108 (26-1)
990	18029.736	9.731	R128 (24-0)
	18029.658	9.650	R152 (27-1)
991	18029.516	9.513	P 97 (23-0)
	18029.337	9.341	P117 (27-0)
992	18029.240	9.236	R149 (25-0)
993	18029.063	9.061	P 75 (25-1)
		9.059	R108 (26-0)
994	18029.006	9.005	R101 (23-0)
	18028.915		
995	18028.784	8.780	P 55 (22-0)
996	18028.782	8.780	R 59 (22-0)
	18028.573	8.569	R150 (24-1)
997	18028.368	8.428	P129 (27-1)
		8.392	R110 (26-1)
		8.363	R 79 (25-1)
	18027.666		
	18027.774	7.780	P147 (26-1)
998	18027.588	7.689	P125 (24-0)
		7.574	P163 (26-0)
	18027.431		
999	18027.393	7.341	P 56 (22-0)
1000	18027.290	7.388	P148 (25-0)
		7.288	R 60 (22-0)
1001	18027.037	7.035	P 76 (25-1)
1002	18026.952	6.951	P 96 (23-0)
		6.946	P107 (26-1)
1003	18026.436	6.433	R102 (25-0)
1004	18026.378	6.378	R129 (24-0)
1005	18026.310	6.308	R 88 (25-1)
	18026.083	6.080	R133 (27-1)
1006	18025.849	5.879	R 1 (24-1)
		5.876	R 2 (24-1)
		5.857	P 57 (22-0)
		5.856	R 0 (24-1)
		5.848	R 3 (24-1)

LINE	OBS CM-1	CALC	ASSIGNMENT
1007	18025.814	5.812	R 61 (22-0)
		5.796	R 8 (24-1)
1008	18025.719	5.732	R 1 (24-1)
		5.718	R 5 (24-1)
	18025.611	5.632	P 8 (24-1)
		5.618	R 6 (24-1)
	18025.482	5.507	P 3 (24-1)
		5.479	R 7 (24-1)
1009	18025.492	5.456	R111 (26-1)
1010	18025.329	5.358	P 9 (24-1)
		5.323	R 8 (24-1)
1011	18025.147	5.217	R150 (25-0)
		5.179	P 5 (24-1)
		5.161	R 9 (24-1)
1012	18024.964	4.976	P 6 (24-1)
		4.962	P 77 (25-1)
		4.953	R 10 (24-1)
	18024.752	4.774	P130 (27-1)
		4.748	P 7 (24-1)
1013	18024.703	4.700	R 11 (24-1)
	18024.591		
1014	18024.488	4.484	P 8 (24-1)
		4.458	R167 (26-0)
		4.441	R 12 (24-1)
1015	18024.366	4.367	P 98 (22-0)
		4.362	P 99 (23-0)
1016	18024.311	4.310	R 62 (22-0)
1017	18024.221	4.222	P126 (24-0)
		4.219	R 61 (25-1)
		4.215	P 9 (24-1)
1018	18024.162	4.157	R 13 (24-1)
1019	18023.987	3.986	P160 (25-1)
1020	18023.913	3.909	P 10 (24-1)
1021	18023.839	3.846	R 14 (24-1)
		3.835	R103 (23-0)
1022	18023.581	3.576	P 11 (24-1)
1023	18023.513	3.514	P148 (25-1)
		3.511	R 15 (24-1)
1024	18023.262	3.264	P147 (25-0)

LINE	OBS CM-1	CALC	ASSIGNMENT
1025	18023.226	3.232	P 12 (24-1)
1026	18023.150	3.149	R 16 (24-1)
1027	18022.991	2.991	R130 (24-0)
		2.987	P164 (26-0)
		2.842	P 59 (22-0)
		2.840	P 15 (24-1)
1029	18022.780	2.782	R 63 (22-0)
		2.762	R 17 (24-1)
1030	18022.641	2.453	R112 (26-1)
		2.433	P 14 (24-1)
1031	18022.349	2.349	R 18 (24-1)
		2.319	R134 (27-1)
1032	18022.111	2.108	R 82 (25-1)
1033	18022.003	1.998	P 19 (24-1)
1034	18021.914	1.911	R 19 (24-1)
1035	18021.799	1.798	P180 (23-0)
1036	18021.541	1.546	P 16 (24-1)
1037	18021.448	1.446	R 20 (24-1)
1038	18021.298	1.292	P 68 (22-0)
1039	18021.225	1.230	R 64 (22-0)
		1.211	R104 (23-0)
		1.167	R151 (25-0)
1040	18021.062	1.045	P131 (27-1)
		1.036	P 17 (24-1)
1041	18020.988	0.994	R109 (26-1)
		0.957	R 21 (24-1)
1042	18020.829	0.828	P127 (24-0)
1043	18020.740	0.737	P 79 (25-1)
1044	18020.547	0.546	P 18 (24-1)
1045	18020.442	0.441	R 22 (24-1)
1046	18019.979	0.018	P 19 (24-1)
		9.988	R 65 (25-1)
1047	18019.982	9.980	R 23 (24-1)
	18019.823	9.817	R168 (26-0)
1048	18019.719	9.717	P 81 (22-0)
1049	18019.653	9.652	R 86 (22-0)
1050	18019.563	9.560	R131 (24-0)



LINE	OBS CM-1	CALC	ASSIGNMENT
	18020.115		
1046	18019.979	0.010	R 19 (24-2)
		9.969	R 83 (23-1)
1047	18019.902	9.900	R 23 (24-1)
	18019.822	9.817	R168 (26-0)
1048	18019.719	9.717	P 61 (22-0)
1049	18019.653	9.652	R 65 (22-0)
1050	18019.583	9.580	R151 (24-0)
1051	18019.448	9.446	P 20 (24-1)
		9.442	R113 (26-1)
1052	18019.336	9.333	R 24 (24-1)
	18019.229	9.231	P148 (25-0)
		9.218	P149 (26-1)
1053	18019.109	9.107	P101 (23-0)
1054	18018.864	8.861	P 21 (24-1)
1055	18018.743	8.740	R 25 (24-1)
1056	18018.568	8.610	R155 (27-1)
		8.584	P 80 (25-1)
		8.540	R105 (23-0)
	18018.333	8.330	P165 (26-0)
1057	18018.248	8.248	P 22 (24-1)
1058	18018.121	8.122	R 26 (24-1)
		8.116	P 62 (22-0)
1059	18018.051	8.049	R 66 (22-0)
1060	18017.980	7.978	P110 (26-1)
1061	18017.806	7.804	R 49 (25-1)
1062	18017.632	7.629	P 23 (24-1)
1063	18017.461	7.478	R 27 (24-1)
1064	18017.407	7.407	P128 (24-0)
		7.383	P132 (27-1)
	18017.089	7.084	R152 (25-0)
1065	18016.998	6.995	P 24 (24-1)
1066	18016.811	6.809	R 28 (24-1)
1067	18016.693	6.691	P 63 (22-0)
1068	18016.422	6.440	P102 (23-0)
		6.420	R 67 (22-0)
		6.404	P 81 (25-1)
		6.402	R114 (26-1)
1069	18016.258	6.255	P 25 (24-1)
1070	18014.119	6.141	R132 (24-0)
		6.113	R 29 (24-1)
1071	18015.883	5.883	R106 (23-0)
1072	18015.615	5.611	P 83 (25-1)
1073	18015.592	5.539	P 26 (24-1)
1074	18015.394	5.392	R 30 (24-1)
1075	18015.181	5.169	P149 (25-0)
		5.145	R169 (26-0)
1076	18014.430	4.988	P111 (26-1)
1077	18014.892	4.892	P150 (26-1)
		4.871	R136 (27-1)
		4.846	P 84 (22-0)
1078	18019.772	4.796	P 27 (24-1)
		4.747	R 68 (22-0)
1079	18014.648	4.645	R 31 (24-1)
1080	18014.201	4.196	P 42 (25-1)
1081	18019.034	4.031	P 28 (24-1)
1082	18013.960	3.959	P129 (24-0)
1083	18013.875	3.873	R 32 (24-1)
1084	18013.787	3.786	P103 (23-0)
	18013.650	3.663	P166 (26-0)
		3.643	P133 (27-1)
1085	18013.396	3.382	R 86 (25-1)
1086	18013.348	3.335	R115 (26-1)
1087	18013.239	3.238	P 29 (24-1)
1088	18013.171	3.180	R197 (23-0)
		3.164	P 85 (22-0)
1089	18013.088	3.088	R 69 (22-0)
		3.074	R 33 (24-1)
	18012.980	2.960	R153 (25-0)
1090	18012.679	2.675	R133 (24-0)
1091	18012.423	2.420	P 30 (24-1)
1092	18012.253	2.250	R 34 (24-1)
	18012.094		
1093	18011.961	1.965	P 45 (25-1)
1094	18011.656	1.653	P112 (26-1)
1095	18011.579	1.576	P 31 (24-1)
1096	18011.465	1.463	P 86 (22-0)
1097	18011.390	1.401	R 35 (24-1)
		1.388	R 70 (22-0)
1098	18011.149	1.140	R 87 (25-1)
		1.103	R117 (27-1)
1099	18011.029	1.039	P152 (25-0)
		1.027	P104 (23-0)
1100	18010.711	0.706	P 32 (24-1)
1101	18010.528	0.528	P151 (26-1)
		0.528	R 36 (24-1)
1102	18010.455	0.482	P134 (24-0)
		0.458	R108 (23-0)
		0.443	R170 (26-0)
1103	18010.243	0.240	R116 (26-1)
1104	18009.814	9.878	P154 (27-1)
		9.811	P 33 (24-1)
1105	18009.736	9.736	P 87 (22-0)
		9.705	P 84 (25-1)
1106	18009.648	9.659	R 71 (22-0)
		9.634	R 37 (24-1)
1107	18009.184	9.181	R134 (24-0)
	18008.970	8.966	P147 (26-1)
1108	18008.685	8.690	P 34 (24-1)
		8.674	R 88 (25-1)
		8.644	R154 (25-0)
	18008.751	8.750	P113 (26-1)
1109	18008.700	8.697	R 38 (24-1)
1110	18008.484	8.481	P105 (23-0)
1111	18007.986	7.994	P 46 (22-0)
		7.983	P 35 (24-1)
1112	18007.903	7.899	R 72 (22-0)
1113	18007.796	7.794	R 39 (24-1)
1114	18007.697	7.693	R109 (23-0)
1115	18007.420	7.419	P 85 (25-1)
	18007.397	7.396	R138 (27-1)
1116	18007.119	7.116	R117 (24-1)
1117	18004.976	6.979	P131 (24-0)
		6.970	P 38 (24-1)
	18006.903	6.900	P151 (25-0)
1118	18006.767	6.765	R 40 (24-1)
1119	18006.577	6.574	R 88 (25-1)
1120	18006.809	6.287	P 89 (22-0)
1121	18006.120	6.147	P152 (26-1)
		6.119	R 73 (22-0)
		6.077	P135 (27-1)
1122	18005.975	5.972	P 37 (24-1)
1123	18005.764	5.761	R 41 (24-1)
		5.710	R171 (26-0)
1124	18005.657	5.650	R135 (24-0)
		5.620	P118 (26-1)
1125	18005.509	5.508	P106 (23-0)
1126	18005.108	5.105	P 88 (25-1)
1127	18004.916	4.947	P 38 (24-1)
		4.911	R110 (23-0)
1128	18004.752	4.731	P 42 (24-1)
	18004.681	4.678	R155 (25-0)
1129	18004.407	4.405	P 70 (22-0)
1130	18004.313	4.315	R 74 (22-0)
1131	18004.251	4.247	R 90 (25-1)
		4.230	P168 (26-0)
	18003.985	3.964	R118 (26-1)
1132	18003.981	3.847	P 39 (24-1)
1133	18003.674	3.678	R 93 (24-1)
1134	18003.452	3.478	R139 (27-1)
		3.448	P132 (24-0)
1135	18002.624	2.622	P 48 (24-1)
1136	18002.766	2.765	P 87 (25-1)
1137	18002.713	2.732	P152 (25-0)
		2.710	P107 (23-0)
1138	18002.583	2.543	R 44 (24-1)
		2.477	P 71 (22-0)
1139	18002.481	2.462	R 75 (22-0)
		2.461	P115 (26-1)
	18002.250	2.250	R136 (27-1)
1140	18002.106	2.110	R136 (24-0)
		2.101	R111 (23-0)
1141	18001.896	1.894	R 91 (25-1)
1142	18001.728	1.729	R153 (25-1)
		1.720	P 41 (24-1)
1143	18001.469	1.465	R 45 (24-1)
	18000.949	0.947	R172 (26-0)
	18000.785	0.788	R119 (26-1)
1144	18000.726	0.724	P 72 (22-0)
1145	18000.619	0.625	R 76 (22-0)
		0.593	P 42 (24-1)
	18000.485	0.483	R156 (25-0)
	18000.396	0.394	P 88 (25-1)
1146	18000.356	0.352	R 46 (24-1)
	17999.994		
1147	17999.886	9.884	P133 (24-0)
		9.884	P108 (23-0)

Table 2. Interpolation parameters[a] obtained from least squares fits of individual (v'-v'') bands to equations (1).

	P Branch			R Branch										
v'-v''	J_{min}	J_{max}	No. Lines Fit	J_{min}	J_{max}	No. Lines Fit	Std. Dev. of Fit (cm^{-1})	$\nu_0 \times 10^{-5}$ (cm^{-1})	$B' \times 10^{1}$ (cm^{-1})	$B'' \times 10^{1}$ (cm^{-1})	$D' \times 10^{7}$ (cm^{-1})	$D'' \times 10^{8}$ (cm^{-1})	$H' \times 10^{13}$ (cm^{-1})	$H'' \times 10^{14}$ (cm^{-1})	$L' \times 10^{18}$ (cm^{-1})
45-0	11	167	73	13	163	77	0.0024	0.195163613	0.18018726	0.37299442	0.277981	0.33354	-1.34323	-3.1957	-7.8958
44-0	22	157	75	7	161	72	0.0022	0.194759905	0.18394367	0.37313127	0.279128	0.46582	-0.88318	0.1893	-1.6130
43-0[b]	27	152	52	10	163	63	0.0027	0.194336823	0.18722787	0.37284063	0.246293	0.22560	-1.12772	-5.4578	-1.8808
42-0	12	175	87	14	174	82	0.0024	0.193894140	0.19094128	0.37308710	0.248824	0.43113	-0.95171	-0.5887	-0.9056
41-0	7	171	81	9	173	94	0.0025	0.193431465	0.19436945	0.37307194	0.233181	0.39122	-1.03320	-1.7714	-0.6655
40-0	8	171	94	6	173	92	0.0022	0.192948559	0.19786561	0.37315117	0.234316	0.46486	-0.57164	-0.1072	-0.9103
39-0	5	171	95	5	169	88	0.0021	0.192445316	0.20116427	0.37311621	0.224764	0.45068	-0.38998	-0.3671	-1.0901
38-0	7	175	84	7	178	90	0.0020	0.191921469	0.20453472	0.37322028	0.220938	0.54155	-0.01774	1.9019	-1.2150
37-0	5	178	90	6	177	100	0.0022	0.191376895	0.20762792	0.37313737	0.201702	0.45137	-0.43993	-0.4603	-0.7966
36-0	4	170	92	5	178	111	0.0023	0.190811385	0.21082957	0.37320255	0.198457	0.54288	-0.37426	1.9948	-0.3438
35-0	5	179	105	5	169	107	0.0021	0.190224898	0.21385144	0.37312974	0.183564	0.48768	-0.56247	0.9779	
34-0	9	176	98	12	179	99	0.0019	0.189617408	0.21683688	0.37306535	0.170785	0.41564	-0.64132	-0.8193	
33-0	13	174	85	14	181	107	0.0025	0.188988936	0.21976994	0.37303719	0.161443	0.39176	-0.65357	-1.5785	
32-0[c]	7	172	71	6	179	88	0.0023	0.188339425	0.22270804	0.37309719	0.156107	0.42573	-0.58491	-0.9737	
31-0[d]	31	172	70	5	178	74	0.0028	0.187668755	0.22521063	0.37275425	0.132334	0.25073	-0.80653	-3.6445	
30-0	11	179	97	7	175	90	0.0015	0.186977046	0.22836349	0.37311068	0.147624	0.45179	-0.39097	-0.1603	
29-0	7	170	101	5	179	112	0.0016	0.186264451	0.23105991	0.37308489	0.138863	0.41706	-0.42877	-1.0541	
28-0	6	173	95	4	175	94	0.0017	0.185530998	0.23372552	0.37309320	0.133996	0.42405	-0.39673	-1.0795	
27-0	5	177	107	5	170	114	0.0024	0.184776805	0.23640338	0.37318390	0.136129	0.51231	-0.17679	1.1841	
26-0	5	171	114	10	172	110	0.0017	0.184001954	0.23892968	0.37316711	0.129675	0.50398	-0.18282	1.1061	
25-0	7	177	119	7	179	111	0.0015	0.183206599	0.24133627	0.37305832	0.119061	0.42247	-0.28070	-0.5431	
24-0	8	168	116	8	174	112	0.0015	0.182391040	0.24375738	0.37304948	0.113625	0.40877	-0.28981	-0.9579	
23-0	17	169	94	5	172	92	0.0017	0.181555307	0.24621734	0.37313994	0.115061	0.46874	-0.16403	0.1433	
22-0[e]	15	164	65	5	170	71	0.0027	0.180699558	0.24864723	0.37324815	0.117127	0.53405	-0.05612	1.2097	
31-1	34	123	17	27	137	20	0.0021	0.185535703	0.22570051	0.37207962	0.159268	0.50413	-0.22472	1.8374	
30-1	9	146	38	12	129	33	0.0020	0.184844042	0.22840061	0.37199561	0.149532	0.45175	-0.34218	-0.6779	
29-1	8	154	38	7	145	44	0.0026	0.184131473	0.23120341	0.37210813	0.152554	0.58087	-0.05690	3.1730	
28-1	12	154	52	8	150	34	0.0023	0.183397930	0.23380043	0.37202312	0.145406	0.55583	-0.01508	3.3062	
27-1	7	163	52	7	156	52	0.0016	0.182643739	0.23631178	0.37191287	0.131330	0.44247	-0.25016	-0.0205	
26-1	6	156	43	7	157	43	0.0012	0.181869034	0.23888172	0.37196383	0.126468	0.45627	-0.25907	-0.1474	
25-1	5	157	57	8	157	69	0.0015	0.181073699	0.24139129	0.37198067	0.123166	0.46501	-0.21543	-0.1149	
24-1	10	167	71	5	161	76	0.0017	0.180258069	0.24382636	0.37198675	0.120973	0.49687	-0.10304	1.1659	
37-2	11	114	21	12	114	25	0.0023	0.187123221	0.20767058	0.37091688	0.216472	0.68350	-0.00006	9.1877	
36-2	8	110	25	11	105	20	0.0026	0.186557601	0.21072968	0.37073115	0.193327	0.37002			
35-2	11	107	21	10	106	20	0.0024	0.185971212	0.21404409	0.37097251	0.202416	0.55783			
34-2	15	109	18	33	108	16	0.0026	0.185363708	0.21686690	0.37075985	0.181556	0.42558			
33-2	24	115	20	40	109	21	0.0024	0.184735201	0.22001681	0.37096045	0.191667	0.62031			

[a] The parameters in this table are to be used only for calculating interpolated line positions in the P and R branches of individual (v'-v'') bands, and are presented here with sufficient significant figures to permit this back calculation to within 0.001 cm^{-1}. These parameters are not to be interpreted as molecular constants, and are thus not given with standard deviations, which in all cases correspond to errors considerably greater than implied by the number of significant figures presented in this table.

[b] P and R branches blended from the band origin to P(60) and R(62).

[c] P and R branches blended from the band origin to P(35) and R(38).

[d] P and R branches blended from the band origin to P(92) and R(95).

[e] P and R branches blended from the band origin to P(59) and R(63).

Table 3. Lower state combination differences, $\Delta_2F''(J)$, for the (v'-0) bands calculated from the constants of Table 2 for J values below that of the last transition used in the least squares fit.

J	(45-0)	(44-0)	(43-0)[a]	(42-0)	(41-0)	(40-0)	(39-0)	(38-0)	(37-0)	(36-0)	(35-0)	(34-0)
10	1.567	1.567	1.566	1.567	1.567	1.567	1.567	1.568	1.567	1.567	1.567	1.567
20	3.058	3.059	3.057	3.059	3.059	3.060	3.059	3.060	3.059	3.060	3.059	3.059
30	4.550	4.551	4.548	4.551	4.551	4.551	4.551	4.552	4.551	4.552	4.551	4.551
40	6.041	6.042	6.039	6.042	6.042	6.043	6.042	6.043	6.042	6.043	6.042	6.041
50	7.531	7.533	7.529	7.532	7.532	7.533	7.532	7.534	7.533	7.533	7.532	7.532
60	9.020	9.022	9.018	9.021	9.021	9.022	9.021	9.023	9.022	9.022	9.021	9.021
70	10.508	10.509	10.507	10.509	10.509	10.510	10.509	10.510	10.510	10.510	10.509	10.509
80	11.995	11.996	11.994	11.995	11.996	11.996	11.995	11.996	11.996	11.995	11.995	11.995
90	13.480	13.480	13.480	13.480	13.481	13.480	13.480	13.480	13.481	13.479	13.479	13.480
100	14.963	14.962	14.963	14.962	14.964	14.963	14.962	14.962	14.963	14.961	14.961	14.963
110	16.444	16.443	16.444	16.443	16.444	16.443	16.442	16.442	16.443	16.441	16.442	16.443
120	17.922	17.920	17.923	17.921	17.922	17.921	17.920	17.919	17.921	17.919	17.920	17.921
130	19.397	19.396	19.397	19.396	19.397	19.395	19.395	19.394	19.395	19.394	19.395	19.396
140	20.867	20.868	20.868	20.868	20.868	20.867	20.867	20.867	20.867	20.867	20.868	20.869
150	22.334	22.337	22.333	22.337	22.336	22.336	22.335	22.338	22.336	22.337	22.339	22.338
160	23.795			23.802	23.799	23.801	23.800	23.806	23.800	23.806	23.806	23.803
170				25.263	25.258	25.263	25.262	25.272	25.261	25.272	25.271	25.264

J	(33-0)	(32-0)[b]	(31-0)[c]	(30-0)	(29-0)	(28-0)	(27-0)	(26-0)	(25-0)	(24-0)	(23-0)	(22-0)[d]
10	1.567	1.567	1.566	1.567	1.567	1.567	1.567	1.567	1.567	1.567	1.567	1.568
20	3.059	3.059	3.056	3.059	3.059	3.059	3.060	3.060	3.059	3.059	3.059	3.060
30	4.550	4.551	4.547	4.551	4.551	4.551	4.552	4.552	4.550	4.550	4.551	4.552
40	6.041	6.042	6.037	6.042	6.042	6.042	6.043	6.043	6.041	6.041	6.042	6.044
50	7.531	7.532	7.527	7.532	7.532	7.532	7.533	7.533	7.531	7.531	7.533	7.534
60	9.020	9.021	9.016	9.021	9.021	9.021	9.022	9.022	9.021	9.021	9.022	9.023
70	10.508	10.509	10.504	10.509	10.509	10.509	10.510	10.509	10.508	10.508	10.509	10.511
80	11.995	11.996	11.991	11.995	11.996	11.996	11.996	11.995	11.995	11.995	11.996	11.997
90	13.480	13.480	13.476	13.480	13.480	13.480	13.480	13.480	13.479	13.480	13.480	13.481
100	14.962	14.963	14.960	14.962	14.963	14.963	14.962	14.962	14.962	14.962	14.962	14.963
110	16.443	16.443	16.442	16.442	16.443	16.443	16.442	16.442	16.443	16.443	16.443	16.442
120	17.921	17.921	17.921	17.920	17.921	17.920	17.919	17.920	17.921	17.921	17.920	17.920
130	19.396	19.396	19.397	19.395	19.396	19.395	19.395	19.395	19.396	19.396	19.395	19.394
140	20.867	20.867	20.869	20.868	20.868	20.867	20.867	20.867	20.869	20.868	20.867	20.866
150	22.335	22.335	22.338	22.337	22.336	22.335	22.337	22.338	22.338	22.337	22.337	22.335
160	23.799	23.800	23.801	23.802	23.801	23.799	23.804	23.805	23.804	23.802	23.802	23.801
170	25.259	25.260	25.259	25.264		25.258	25.269	25.269	25.266			

[a] P and R branches blended from the band origin to P(60) and R(62).

[b] P and R branches blended from the band origin to P(35) and R(38).

[c] P and R branches blended from the band origin to P(92) and R(95).

[d] P and R branches blended from the band origin to P(59) and R(63).

tion to within 0.001 cm^{-1}, even though this requires in all cases many more significant figures than are physically meaningful.

As a consistency check on the rotational assignments in this atlas, which as mentioned above were determined essentially by extending the calculated branches of Wei and Tellinghuisen to higher J, we present in table 3 a set of ground state combination differences. These $\Delta_2F''(J)$ values were calculated using $v'' = 0$ parameters taken from the band-by-band least squares fits. Since measured I_2 linewidths (FWHM) on the spectral figures are of the order of 0.055 cm^{-1}, we see that calculated interpolated combination differences agree to 1/20 of the FWHM for $J < 150$ and to 1/5 of the FWHM for higher J.

As a further consistency check, Dr. M. M. Hessel [12] has kindly least squares fit 5741 unblended lines assigned in this work to a 29-parameter Dunham expansion, obtaining an overall standard deviation of 0.0042 cm^{-1}. Such a fit introduces only one set of rotational constants for each vibrational level, and furthermore requires these rotational constants to vary smoothly with vibrational quantum number. The Dunham coefficients obtained are close to true molecular constants, but are not given here since the "best" values for such constants must be determined from a fit of the unblended lines from the entire visible spectrum of I_2, rather than from a 1000 cm^{-1} portion.

Unfortunately, no independent support for the vibrational assignments arose from the work for this atlas.

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