

Atlas of the I₂ Spectrum from 19 000 to 18 000 cm⁻¹ *

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(December 27, 1976)

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 B³Pi₀₊_u – X¹Sigma_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 I₂ 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. Apparatus²

Each I₂ 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 I₂ (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 I₂ 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.

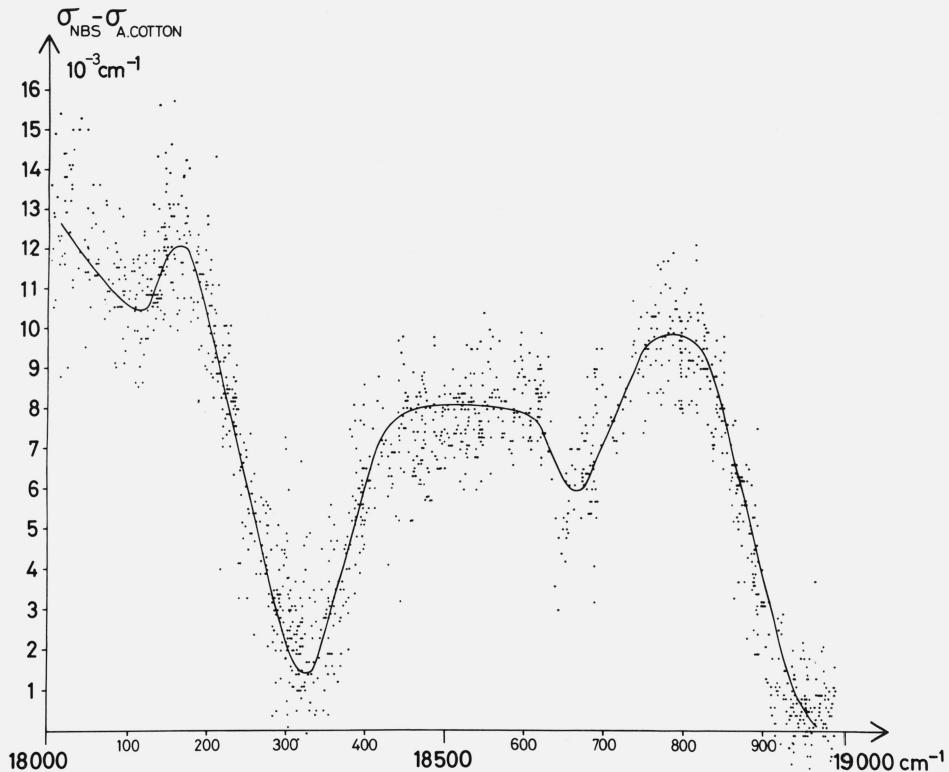


FIGURE 1. A correction curve for the wavenumbers in this atlas kindly supplied by Gerstenkorn and Luc [5], who plot differences between our grating measurements of the I_2 absorption spectrum (σ_{NBS}) and their interferometric measurements ($\sigma_{A.COTTON}$).

by a sidearm cooled to temperatures in the range $-11\text{ }^\circ\text{C}$ to $+6\text{ }^\circ\text{C}$. 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	$T\text{ }^\circ\text{C}$	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 $\pm 0.002\text{ cm}^{-1}$ [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 $\pm 0.015\text{ cm}^{-1}$. 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 $3\text{ }\mu\text{m}$ 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 $9\text{ }\mu\text{m}$ 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 arbitrary 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 calcu-

lated values associated with it, together with intensity information obtained from examination of nearby unblended lines in the same branch(es).

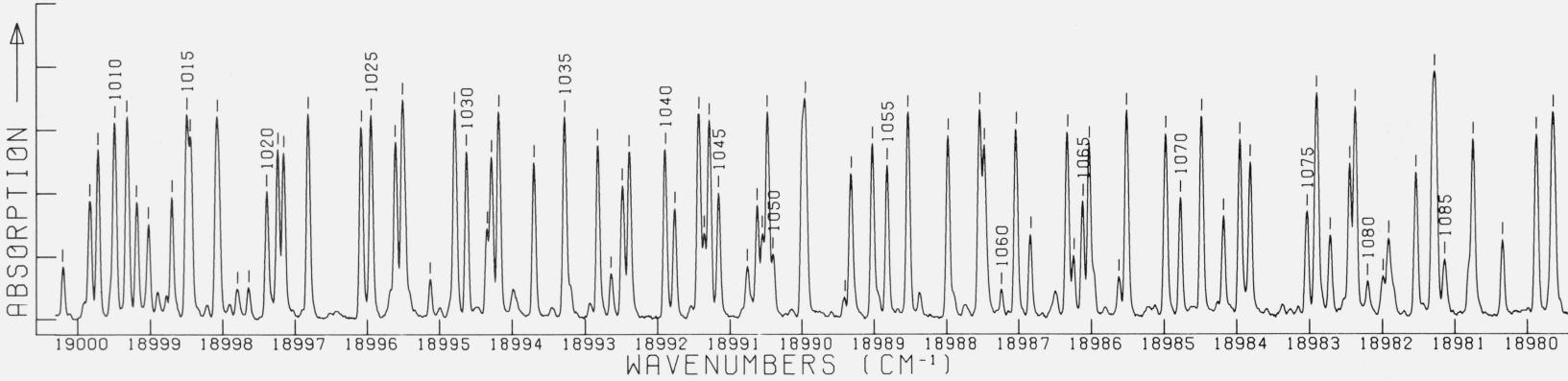
Calculated wavenumbers presented in the CALC columns were obtained from least squares fits of unblended P and R branch lines for each individual $(v' - v'')$ band. Unblended lines were chosen by visual inspection, taking into consideration the intensity alternation and overall intensity variation expected 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

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

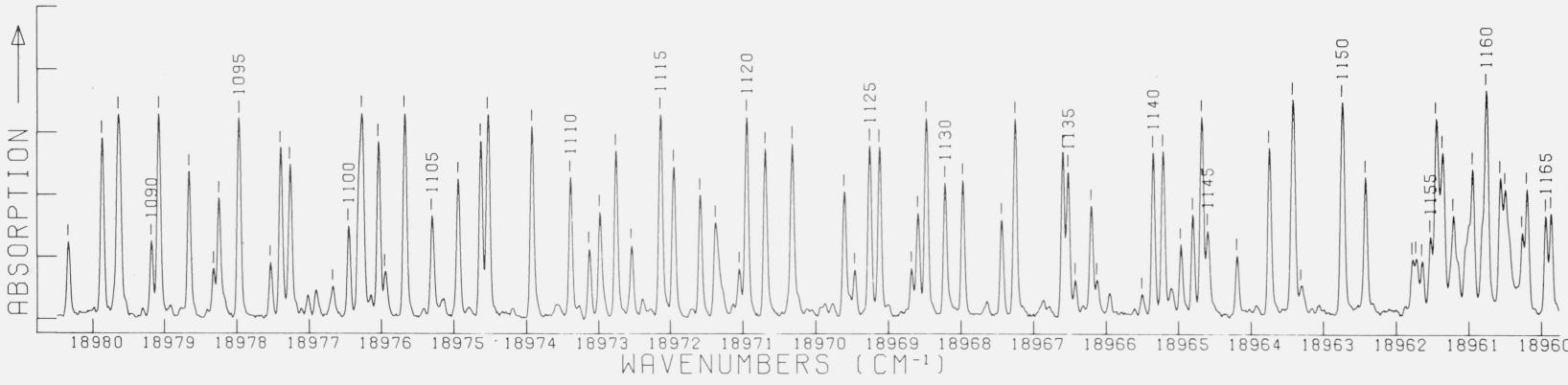
$$\begin{aligned}
 P(J) &= +B'_{v'}J(J-1) - D'_{v'}J^2(J-1)^2 \\
 &\quad + H'_{v'}J^3(J-1)^3 + L'_{v'}J^4(J-1)^4 \\
 &\quad - B''_{v'}J(J+1) + D''_{v'}J^2(J+1)^2 \\
 &\quad - H''_{v'}J^3(J+1)^3 + \nu_0(v', v'').
 \end{aligned}$$

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-

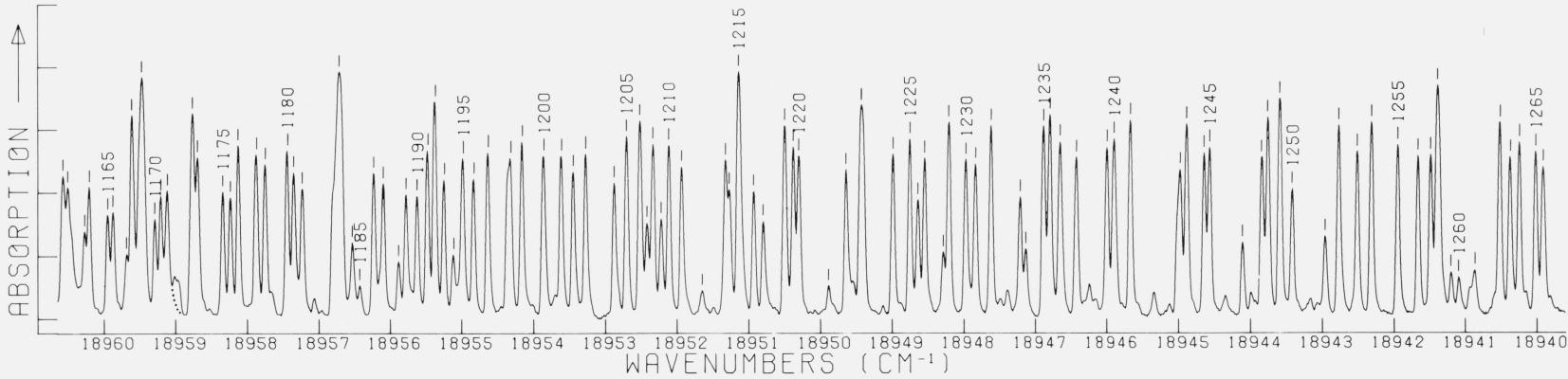


LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT		
1007	19000.201	0.204	R129	(40-0)	1025	18995.945	5.946	P 39	(35-0)	1038	18992.478	2.481	R 94	(37-0)	1057	18987.980	7.986	R110	(38-0)	1074	18983.814	3.814	R 78	(36-0)		
1008	18999.829	9.915	R151	(43-0)		18995.679	5.687	P160	(45-0)		1039	18992.382	2.383	P 72	(36-0)		1058	18987.543	7.556	R147	(42-0)	1075	18983.035	3.036	P109	(38-0)
	9.835	R119	(39-0)			5.683	R157	(44-0)			1040	18991.889	1.889	P 42	(35-0)		1059	18987.480	7.543	P 45	(35-0)	1076	18982.900	2.907	P 48	(35-0)
	9.825	P127	(40-0)		1026	18995.607	5.612	R120	(39-0)		1041	18991.755	1.755	R105	(38-0)		1060	18987.242	7.246	P 74	(36-0)		2.892	R 97	(37-0)	
1009	18999.714	9.714	P 36	(35-0)		5.608	R 93	(37-0)			1042	18991.421	1.421	R 45	(35-0)		1061	18987.041	7.050	R122	(39-0)		2.825	R159	(44-0)	
1010	18999.487	9.547	P143	(42-0)	1027	18995.505	5.513	R 42	(35-0)		1043	18991.348	1.350	R121	(39-0)		1062	18987.041	7.050	R122	(39-0)	1077	18982.711	2.725	P146	(42-0)
	9.486	P 69	(36-0)			5.499	R130	(40-0)			1044	18991.275	1.276	R 75	(36-0)		1063	18986.334	6.335	R 77	(36-0)		2.713	R123	(39-0)	
1011	18999.316	9.378	R161	(45-0)		5.487	R108	(38-0)			1045	18991.149	1.149	P 92	(37-0)		1064	18986.246	6.249	P120	(39-0)		1.878	R148	(42-0)	
	9.315	R 39	(35-0)			5.413	P150	(43-0)			1046	18990.750	0.754	R131	(40-0)		1065	18986.122	6.123	R 96	(37-0)		1.819	R154	(43-0)	
1012	18999.184	9.182	R107	(38-0)	1028	18995.127	5.130	P128	(40-0)		1047	18990.613	0.614	P107	(38-0)		1066	18986.030	6.030	P 46	(35-0)	1078	18982.443	2.443	P 76	(36-0)
1013	18999.021	9.022	P117	(39-0)		18995.000					1048	18990.542	0.544	P119	(39-0)		1067	18986.503	6.844	P108	(38-0)	1079	18982.366	2.367	R 51	(35-0)
	18998.896				1029	18994.786	4.802	P118	(39-0)		1049	18990.472	0.472	P 43	(35-0)		1068	18986.198	6.198	R141	(41-0)		2.201	P139	(41-0)	
	18998.780	8.781	R145	(42-0)		4.784	P 7	(36-0)			1050	18994.625	4.626	P 40	(35-0)		1069	18986.130	5.132	P157	(44-0)		2.140	P162	(45-0)	
1014	18998.698	8.699	R 92	(37-0)	1030	18994.472	4.472	P 47	(42-0)		1051	18989.955	9.993	R 46	(35-0)		1070	18986.072	5.072	P124	(39-0)		1.986	R141	(41-0)	
1015	18998.488	8.490	P 37	(35-0)	1031	18994.347	4.349	P100	(38-0)		1052	18990.394	0.396	P129	(40-0)		1071	18986.010	5.010	R121	(39-0)		1.915	P121	(39-0)	
1016	18998.439	8.435	R 72	(36-0)	1032	18994.285	4.285	P 91	(37-0)		1053	18993.985	3.983	P144	(42-0)		1072	18985.817	5.820	R163	(45-0)		1.878	R148	(42-0)	
	18998.210				1033	18994.182	4.181	R 43	(35-0)		1054	18993.697	3.696	R 74	(36-0)		1073	18985.957	3.956	R 50	(35-0)		1.819	R154	(43-0)	
1017	18998.071	8.080	R 40	(35-0)		18993.590	3.593	R152	(43-0)		1055	18989.408	9.417	P151	(43-0)		1074	18985.533	1.533	P 95	(37-0)		1.819	R154	(43-0)	
	8.047	P105	(38-0)			3.592	R152	(43-0)			1056	18989.319	9.320	R 95	(37-0)		1075	18985.619	5.622	P130	(40-0)		1.819	P128	(35-0)	
	18997.902	7.900	P155	(44-0)	1034	18993.697	3.696	R 74	(36-0)		1057	18989.249	9.024	P 44	(35-0)		1076	18985.514	5.514	R 49	(35-0)		1.260	R 79	(36-0)	
1018	18997.793	7.799	P13	(41-0)	1035	18993.273	3.273	P 41	(35-0)		1058	18989.024	9.024	R158	(44-0)		1077	18985.130	5.132	P157	(44-0)		1.144	R133	(40-0)	
1019	18997.635	7.640	R13	(41-0)		18993.196	3.190	R146	(42-0)		1059	18989.984	9.839	P161	(45-0)		1078	18980.745	0.809	P131	(40-0)		0.809	P131	(40-0)	
1020	18997.384	7.385	P 90	(37-0)		18992.930					1060	18989.485	4.485	P 47	(35-0)		1079	18986.772	4.774	P 74	(37-0)		1.074	R 52	(35-0)	
1021	18997.233	7.234	P 38	(35-0)		1036	18992.817	2.817	R 44	(35-0)		1061	18988.621	6.822	R 76	(36-0)		1080	18980.339	0.340	R112	(38-0)		0.745	R 52	(35-0)
1022	18997.152	7.152	P 70	(36-0)	1037	18992.635	2.641	P137	(41-0)		1062	18988.532	6.532	R 47	(35-0)		1081	18979.875	9.875	P 77	(36-0)		0.875	R 52	(35-0)	
1023	18996.813	6.813	R 41	(35-0)		2.624	R162	(45-0)			1063	18988.375	8.376	P145	(42-0)		1082	18979.648	9.656	P 50	(35-0)		0.926	R 52	(35-0)	
1024	18996.082	6.082	R 73	(36-0)							1064	18989.182	4.181	R111	(38-0)		1083	18985.957	3.956	R 50	(35-0)		0.926	R 52	(35-0)	

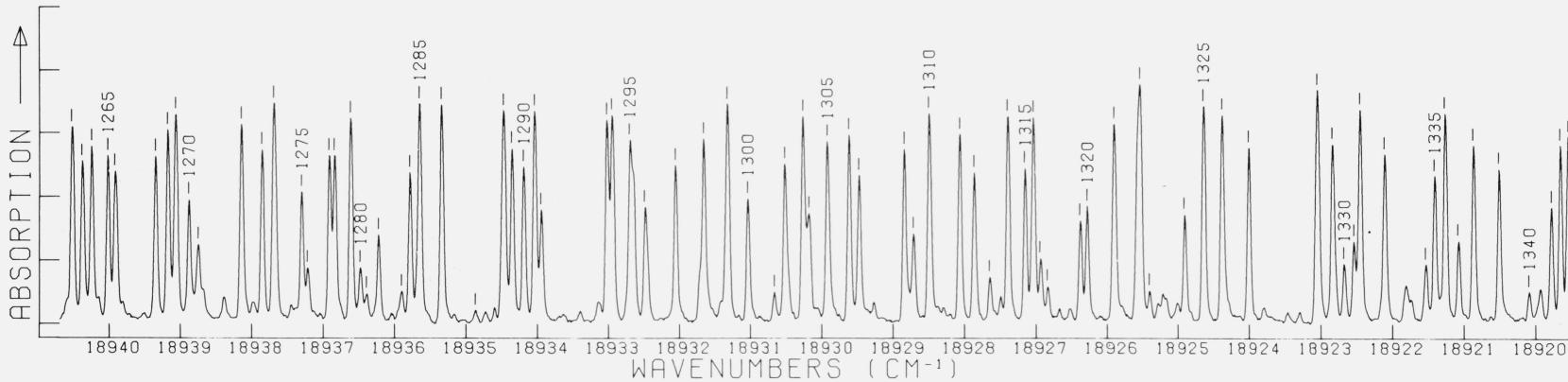
FIGURE 2. Line identification atlas of the I₂ absorption spectrum from 19 000 to 18 000 cm⁻¹. See section 3 of the text for details.



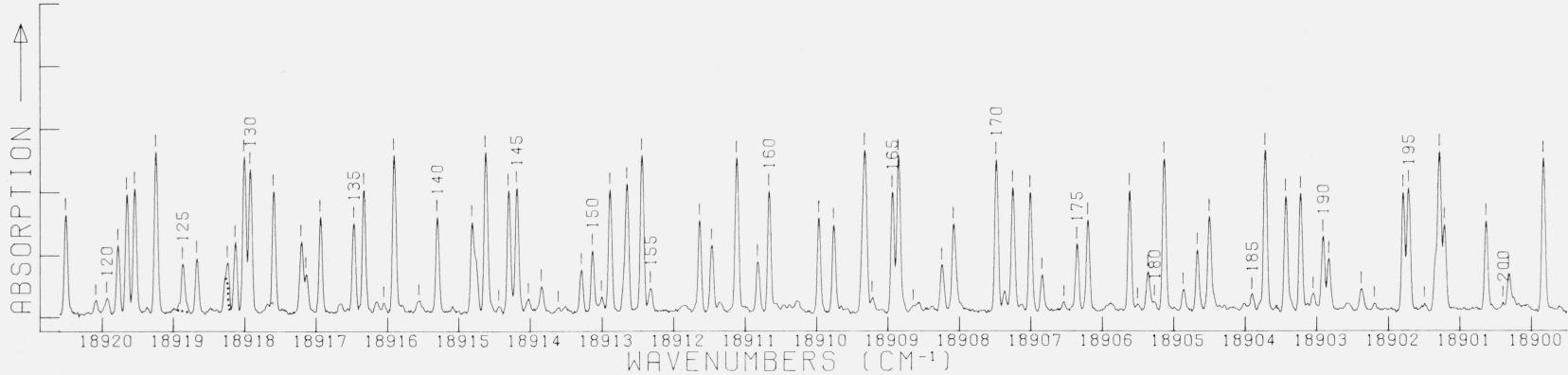
LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT		
1087	18980.339	9.340	R 112	(38-0)	1104	18975.686	5.695	R 155	(43-0)	1121	18970.704	0.705	R 83	(36-0)	1139	18965.507	5.513	P 149	(42-0)	1156	18961.456	1.460	P 60	(34-0)		
1088	18979.875	9.875	P 77	(36-0)			5.684	R 55	(35-0)	1122	18970.333	0.390	R 150	(42-0)	1140	18965.358	5.358	P 58	(35-0)			1.443	R 137	(40-0)		
1089	18979.648	9.656	P 50	(35-0)	1105	18975.310	5.313	P 111	(38-0)		0.332	R 58	(35-0)	1141	18965.224	5.225	R 85	(36-0)			1.442	P 165	(45-0)			
	9.625	R 98	(37-0)			5.291	P 163	(45-0)				18965.108							1.423	P 3	(34-0)					
	18979.558				1106	18974.949	4.950	P 97	(37-0)	1106	18974.773	9.773	L161	(44-0)	1142	18964.976	4.978	R 127	(39-0)	1157	18961.366	1.388	R 6	(34-0)		
1090	18979.191	9.193	P 110	(38-0)	1107	18974.636	4.637	P 79	(36-0)	1107	18969.612	9.614	R 101	(37-0)	1143	18964.809	4.810	P 100	(37-0)			1.360	P 101	(37-0)		
1091	18979.090	9.090	R 53	(35-0)	1108	18974.537	4.537	P 53	(35-0)	1109	18973.930	3.933	R 56	(35-0)	1123	18969.466	9.525	P 156	(43-0)	1144	18964.689	4.688	R 61	(35-0)		
1092	18978.671	8.672	R 8	(36-0)			3.922	R 125	(39-0)	1109	18973.134	3.135	P 123	(39-0)	1124	18969.402	9.470	R 126	(39-0)	1145	18964.604	4.607	R 116	(38-0)		
1093	18978.333	8.337	R 124	(39-0)	1110	18973.394	3.394	R 82	(36-0)	1110	18973.394	3.394	R 82	(36-0)	1125	18969.263	9.264	P 81	(36-0)	1146	18964.198	4.202	P 125	(39-0)		
1094	18978.258	8.259	P 9	(37-0)			3.394	R 82	(36-0)	1111	18973.134	3.135	P 123	(39-0)	1126	18969.127	9.127	P 56	(35-0)	1147	18963.757	3.758	P 83	(36-0)		
1095	18977.981	7.982	P 51	(35-0)	1111	18972.985	2.986	R 100	(37-0)	1111	18972.985	2.986	R 100	(37-0)	1127	18968.683	8.688	P 124	(39-0)	1148	18963.429	3.455	P 114	(38-0)		
1096	18977.541	7.544	P 122	(39-0)	1112	18972.985	2.986	R 100	(37-0)	1112	18972.985	2.986	R 100	(37-0)	1128	18968.595	8.595	R 115	(38-0)	1149	18963.312	3.308	R 157	(43-0)		
1097	18977.403	7.403	R 54	(35-0)	1113	18972.766	2.766	P 58	(35-0)	1113	18972.766	2.766	P 58	(35-0)	1129	18968.488	8.483	R 59	(35-0)	1150	18962.750	2.764	R 103	(37-0)		
1098	18977.273	7.272	P 78	(36-0)	1114	18972.547	2.547	R 114	(38-0)	1114	18972.399	2.399	R 114	(38-0)	1130	18968.225	8.225	P 99	(37-0)	1151	18962.434	2.434	R 86	(36-0)		
10977.031	7.031	P 147	(42-0)						1115	18972.149	2.149	R 57	(35-0)	1131	18967.981	7.982	R 84	(36-0)	1152	18961.783	1.796	R 1	(34-0)			
1096	18976.916	6.919	P 140	(41-0)					1116	18971.966	1.967	P 80	(36-0)	1132	18967.443	7.444	P 113	(38-0)	1153	18962.434	1.784	R 0	(34-0)			
1099	18976.679	6.684	R 142	(41-0)					1117	18971.601	1.605	P 95	(37-0)	1133	18967.259	7.259	P 57	(35-0)	1154	18961.649	1.777	R 2	(34-0)			
1100	18976.461	6.462	R 113	(38-0)								1.596	P 141	(41-0)	1134	18966.603	6.602	R 60	(35-0)	1155	18961.729	1.727	R 3	(34-0)		
1101	18976.280	6.323	R 99	(37-0)	1118	18971.388	1.397	P 112	(38-0)			1.373	R 135	(40-0)	1135	18966.527	6.528	P 82	(36-0)	1156	18960.503	0.527	R 145	(41-0)		
	6.323	R 160	(44-0)						1119	18971.060	1.064	P 133	(40-0)	1136	18966.427	6.428	R 136	(40-0)	1157	18961.456	1.449	R 10	(34-0)			
	6.279	R 134	(40-0)									1.341	R 143	(41-0)	1137	18966.208	6.231	P 142	(41-0)	1158	18961.429	0.449	R 128	(39-0)		
	6.275	P 52	(35-0)									1.294	P 148	(42-0)	1138	18966.128	6.131	P 134	(40-0)	1159	18960.268	0.269	P 8	(34-0)		
	18976.157	6.156	R 149	(42-0)										1.207	R 102	(37-0)	1140	18961.535	1.560	P 2	(34-0)	1160	18960.202	0.199	R 11	(34-0)
1102	18976.049	6.050	R 81	(36-0)	1119	18970.962	1.064	P 133	(40-0)				1.207	R 102	(37-0)	1141	18961.535	1.532	R 5	(34-0)	1161	18959.943	9.944	P 9	(34-0)	
1103	18975.953	5.956	P 132	(40-0)	1120	18970.962	0.962	P 55	(35-0)				1.207	R 102	(37-0)	1142	18965.057	5.955	R 144	(41-0)	1162	18959.867	9.867	R 12	(34-0)	



LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	
1161	18960.571	0.581	R117	(38-0)	1181	18957.340	7.340	P 15	(34-0)	1201	18953.610	3.610	P 21	(34-0)	1224	18948.987	8.986	P 66	(35-0)	
		0.562	P 7	(34-0)	1182	18957.220	7.220	R 18	(34-0)	1202	18953.445	3.446	R 24	(34-0)	1225	18948.753	8.753	P 27	(34-0)	
1162	18960.503	0.527	R145	(41-0)	1183	18957.059	7.044	R158	(43-0)	1203	18953.275	3.274	P 64	(35-0)	1226	18948.638	8.639	R107	(37-0)	
		0.499	R 10	(34-0)		1185	18956.700	6.997	P 16	(34-0)	1204	18952.878	2.878	P 22	(34-0)	1227	18948.543	8.543	R 30	(34-0)
		0.449	R128	(39-0)			6.750	R 89	(36-0)			2.928	R153	4.2(0)		1228	18948.283	8.284	R120	(38-0)
1163	18960.268	0.269	P 8	(34-0)		6.707	R 65	(35-0)		1205	18952.707	7.707	R 25	(34-0)	1229	18948.204	8.205	R 69	(35-0)	
1164	18960.202	0.199	R 11	(34-0)		6.669	R 19	(34-0)		1206	18952.521	2.521	R 57	(35-0)	1230	18947.968	7.970	R 91	(36-0)	
1165	18959.943	9.944	P 9	(34-0)	1184	18956.520	5.519	R118	(38-0)	1207	18952.421	2.420	R119	(38-0)						
1166	18959.867	9.867	R 12	(34-0)	1185	18956.417	6.417	R138	(40-0)	1208	18952.339	2.339	P 87	(36-0)	1231	18947.615	7.616	P 152	(42-0)	
1167	18959.677	9.688	P150	(42-0)	1186	18956.222	6.222	P 17	(34-0)	1209	18952.233	2.233	P160	(37-0)	1232	18947.487	7.834	P 28	(34-0)	
		9.679	P126	(39-0)	1187	18956.087	6.147	P136	(40-0)	1210	18952.115	2.115	R 23	(34-0)	1233	18947.389	7.390	P167	(45-0)	
1168	18959.604	9.609	R 87	(36-0)		6.087	R 20	(34-0)		1211	18951.937	1.937	R 26	(34-0)	1234	18947.130	7.131	P118	(38-0)	
		9.589	P 10	(34-0)	1188	18955.875	5.880	R129	(39-0)	1212	18951.649	1.649			1235	18946.883	6.885	R154	(42-0)	
1169	18959.463	9.504	R 13	(34-0)	1189	18955.770	5.773	R105	(37-0)	1213	18951.325	1.350	R139	(40-0)	1236	18947.209	7.209	P105	(37-0)	
		9.462	P 61	(35-0)	1190	18955.616	5.616	P 18	(34-0)		1.323	P 24	(34-0)		1237	18947.130	7.131	P118	(38-0)	
		9.429	P115	(38-0)	1191	18955.474	5.474	R 21	(34-0)	1214	18951.272	1.273	R130	(39-0)	1238	18946.426	6.426	P 89	(36-0)	
1170	18959.285	9.286	R104	(37-0)	1192	18955.369	5.375	P144	(41-0)		1.274	P 117	(36-0)		1239	18945.997	6.002	P158	(40-0)	
1171	18959.202	9.201	P 11	(34-0)		5.369	P 63	(35-0)		1215	18951.141	1.147	P 65	(35-0)	1240	18946.794	6.793	P 67	(35-0)	
1172	18959.111	9.110	R 14	(34-0)		5.366	P116	(38-0)			1.135	R 27	(34-0)		1241	18946.654	6.657	R 52	(34-0)	
		****	ARTIFACT		1193	18955.244	5.244	P 86	(36-0)		1.098	P137	(40-0)		1242	18946.628	6.628	R131	(39-0)	
1173	18958.756	8.783	R 12	(34-0)	1194	18955.112	5.117	P127	(39-0)	1216	18950.930	0.931	R 90	(36-0)	1243	18946.426	6.426	P 89	(36-0)	
		8.751	R 64	(35-0)		5.057	R146	(41-0)		1217	18950.799	0.800	P104	(37-0)	1244	18946.245	6.243	R140	(40-0)	
		8.726	R152	(42-0)			4.979	P 19	(34-0)		0.734	R150	(43-0)		1245	18945.997	5.019	R108	(37-0)	
1174	18958.686	8.684	R 15	(34-0)	1195	18954.979	4.979	P 19	(34-0)	1218	18950.499	0.517	P120	(39-0)	1246	18945.997	4.975	R 92	(36-0)	
		8.653	P 13	(34-0)	1196	18954.829	4.829	R 22	(34-0)		0.497	P 25	(34-0)		1247	18945.897	5.901	P 50	(34-0)	
1175	18958.333	8.333	P 13	(34-0)	1197	18954.650	4.651	R 66	(35-0)	1219	18950.379	0.379	R 68	(35-0)	1248	18945.865	5.878	P129	(39-0)	
1176	18958.228	8.227	R 16	(34-0)		4.442	P104	(40-0)		1220	18950.302	0.302	R 28	(34-0)	1249	18945.667	5.667	R 33	(34-0)	
1177	18958.115	8.116	P 85	(36-0)	1198	18954.316	4.355	P103	(37-0)	1221	18949.883	9.885	P145	(41-0)	1250	18945.344	4.344	P 278	(36-0)	
1178	18957.864	7.875	P102	(37-0)		4.310	P 20	(34-0)		1222	18949.640	9.641	P 26	(34-0)	1251	18940.247	0.247	R 91	(36-0)	
		7.852	P 14	(34-0)	1199	18954.153	4.153	R 23	(34-0)	1223	18949.477	9.477	P 26	(34-0)	1252	18940.157	0.157	R 38	(34-0)	
1179	18957.740	7.739	R 17	(34-0)	1200	18953.856	3.857	R 89	(36-0)		9.400	P 88	(36-0)		1253	18944.887	4.888	P 31	(34-0)	
		7.703	P 62	(35-0)	18953.697	3.811	P151	(42-0)	1224	18944.646	4.646	R 34	(34-0)	1254	18944.568	4.568	P 68	(35-0)		
1180	18957.433	7.432	P 62	(35-0)					18949.125						18939.815					

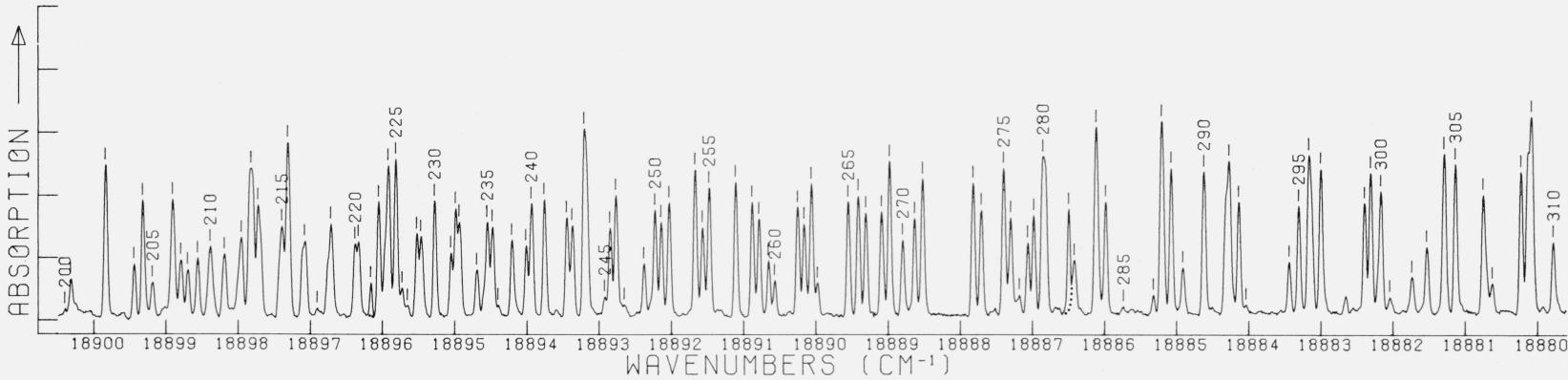


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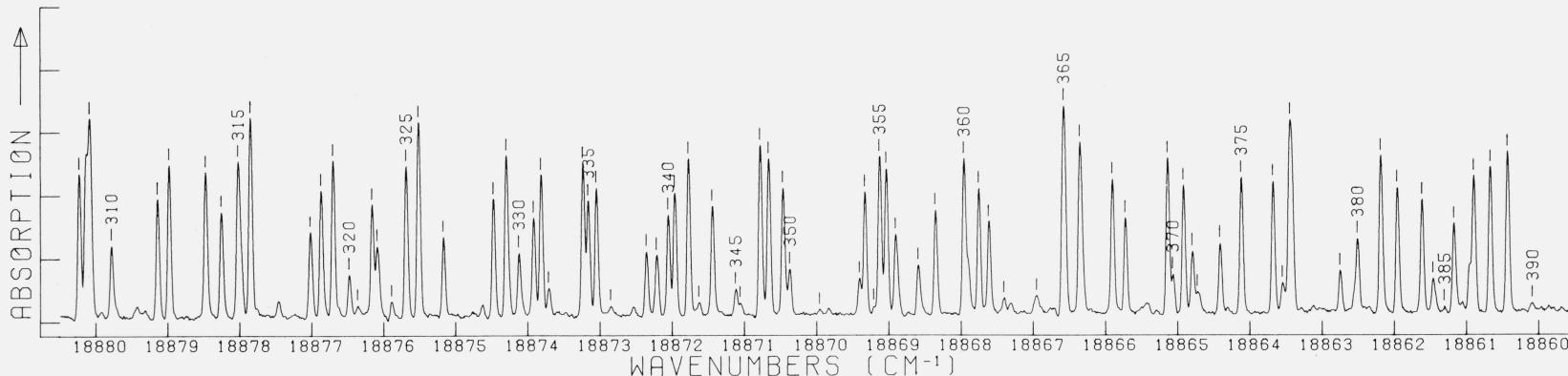
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LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT
118	18920.513	0.515	P 78	(35-0)	136	18916.337	6.340	P 52	(34-0)	154	18912.446	2.450	R 57	(34-0)	167	18908.648	8.239	P 127	(38-0)
119	18920.088	0.096	R 145	(40-0)	137	18916.055	6.055	P 151	(41-0)	155	18912.327	2.326	P 136	(39-0)	168	18908.577	8.056	P 129	(38-0)
120	18919.936	9.934	P 143	(40-0)	138	18915.913	5.915	R 55	(34-0)	156	18911.642	1.643	R 84	(35-0)	169	18908.392	7.489	P 137	(39-0)
121	18919.780	9.783	R 100	(36-0)	139	18915.810	5.810	18911.471	1.501	157	18911.471	1.474	P 100	(36-0)	170	18908.240	7.489	P 137	(38-0)
122	18919.655	9.658	P 50	(34-0)	140	18915.561	5.571	R 153	(41-0)	158	18911.359	1.125	P 55	(34-0)	169	18908.086	8.091	P 101	(36-0)
123	18919.546	9.549	R 81	(35-0)	141	18915.309	5.311	P 80	(35-0)	159	18910.827	0.830	R 117	(37-0)	171	18907.137	7.257	P 83	(35-0)
124	18919.249	9.252	R 53	(34-0)	142	18914.631	4.633	P 53	(34-0)	160	18910.668	0.670	R 58	(34-0)	172	18907.013	7.015	R 60	(34-0)
125	18918.874	*****	ARTIFACT		143	18914.442	4.599	P 144	(40-0)	161	18909.973	9.974	P 82	(35-0)	173	18906.847	6.851	R 118	(37-0)
126	18916.674	8.679	R 115	(37-0)	144	18914.309	4.311	R 83	(35-0)	162	18909.764	9.768	R 103	(36-0)	174	18906.539	6.361	R 104	(36-0)
127	18916.286	8.286	R 127	(38-0)	145	18914.196	4.198	R 56	(34-0)	163	18909.328	9.378	R 154	(41-0)	175	18906.360	6.206	R 86	(35-0)
128	18916.135	8.136	P 98	(36-0)	146	18914.031	4.744	R 146	(40-0)	164	18909.221	9.223	P 145	(40-0)	176	18906.207	5.624	P 58	(34-0)
129	18916.012	8.015	P 51	(34-0)	147	18913.851	3.851	R 128	(38-0)	165	18908.942	8.941	R 85	(35-0)	177	18905.623	5.139	R 61	(34-0)
130	18917.927	7.934	R 137	(39-0)	148	18913.611	3.625	P 135	(39-0)	166	18908.858	8.858	R 59	(34-0)	178	18905.509	5.367	P 116	(37-0)
131	18917.598	7.599	R 54	(34-0)	149	18913.294	3.296	P 114	(37-0)	167	18908.713	9.349	P 115	(37-0)	179	18905.365	5.139	R 63	(34-0)
132	18917.209	7.235	P 135	(39-0)	150	18913.139	3.141	R 102	(36-0)	168	18908.642	9.323	P 56	(34-0)	180	18905.271	5.277	P 159	(42-0)
133	18917.141	7.142	P 125	(38-0)	151	18913.012	3.015	R 82	(35-0)	169	18908.571	9.223	P 145	(40-0)	181	18905.138	5.139	P 102	(36-0)
134	18916.944	6.946	R 82	(35-0)	152	18912.893	2.895	P 54	(34-0)	170	18908.506	8.941	R 85	(35-0)	182	18904.868	4.867	R 131	(38-0)
135	18916.477	6.495	R 159	(42-0)	153	18912.658	2.709	P 126	(38-0)	171	18908.456	8.858	R 59	(34-0)	183	18904.673	4.673	P 84	(35-0)
		6.479	R 101	(36-0)			2.659	P 81	(35-0)				4.438	P 153	(41-0)				



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LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT
200	18900.400				215	18897.398	7.438	P 8 (33-0)		18893.602	7.398	R 11 (33-0)	7.398		267	18889.313	9.314	R 26 (33-0)		289	18884.917	4.970	R164 (42-0)	
201	18900.319	0.319	R131 (38-0)			216	18897.316	7.319	R 65 (34-0)	7.361	P139 (39-0)	7.319	R 11 (33-0)	7.398	242	18893.454	3.456	P 17 (33-0)	9.099	268	18889.095	9.099	R 92 (35-0)	
202	18899.836	9.838	P 61 (34-0)			217	18897.078	7.078	R 12 (33-0)	7.295	P118 (37-0)	7.319	R 65 (34-0)	7.361	243	18893.377	3.377	R 20 (33-0)	9.078	269	18888.987	8.986	R 69 (34-0)	
203	18899.440	9.442	R106 (36-0)			218	18896.907	7.074	R 12 (33-0)	7.119	P 9 (33-0)	7.074	R 12 (33-0)	7.295	244	18893.210	3.217	R 67 (34-0)	9.078	270	18888.803	8.803	R109 (36-0)	
204	18899.321	9.322	R 64 (34-0)			219	18896.718	6.768	P 10 (33-0)	6.719	R 13 (33-0)	6.768	P 10 (33-0)	6.719	245	18892.927	2.941	R142 (39-0)	9.262	271	18888.637	6.639	P 24 (33-0)	
205	18899.186	9.186	P129 (38-0)			220	18896.385	6.387	P 11 (33-0)	6.334	R 14 (33-0)	6.387	P 11 (33-0)	6.334	246	18892.856	2.860	P 18 (33-0)	7.828	272	18888.527	8.529	R 27 (33-0)	
206	18899.025	9.008	P160 (42-0)			221	18896.336	6.334	R 14 (33-0)	6.295	P 11 (33-0)	6.334	R 14 (33-0)	6.295	247	18892.774	2.776	R 21 (33-0)	7.713	273	18887.827	7.828	P 25 (33-0)	
207	18898.792	8.619	P 1 (33-0)			222	18896.167	6.167	*****	6.167	ARTIFACT	6.167	ARTIFACT	6.167	248	18892.655	2.693	P161 (42-0)	7.823	274	18887.713	7.713	R 28 (33-0)	
208	18898.698	8.716	R 22 (33-0)			223	18896.057	6.056	P 87 (35-0)	6.056	P 87 (35-0)	6.056	P 87 (35-0)	6.056	249	18892.385	2.386	R108 (36-0)	7.713	275	18887.405	7.405	P 67 (34-0)	
209	18898.561	8.578	P 3 (33-0)			224	18895.923	5.975	P 12 (33-0)	5.975	R 12 (33-0)	5.975	P 12 (33-0)	5.975	250	18892.232	2.233	P 19 (33-0)	7.713	276	18887.307	7.308	P149 (40-0)	
210	18898.387	8.436	R140 (40-0)			225	18895.821	5.821	P 63 (34-0)	5.931	R107 (36-0)	5.931	R107 (36-0)	5.931	251	18892.145	2.145	R 22 (33-0)	7.713	277	18887.184	7.189	P140 (39-0)	
211	18898.191	8.214	P 5 (33-0)			226	18895.732	5.732	R132 (38-0)	5.917	R 15 (33-0)	5.917	R 15 (33-0)	5.917	252	18892.036	2.057	R157 (41-0)	7.713	278	18887.069	7.069	P107 (36-0)	
212	18897.959	8.019	R141 (39-0)			227	18895.657	5.657	ARTIFACT	5.657	ARTIFACT	5.657	ARTIFACT	5.657	253	18891.677	1.677	R 65 (34-0)	7.713	279	18886.985	6.987	P 26 (33-0)	
213	18897.824	7.845	P 62 (34-0)			228	18895.529	5.532	P 13 (33-0)	5.532	P 13 (33-0)	5.532	P 13 (33-0)	5.532	254	18891.573	1.576	P 20 (33-0)	7.713	280	18886.856	6.867	R 29 (33-0)	
214	18897.727	7.736	P104 (36-0)			229	18895.469	5.471	R 16 (33-0)	5.471	R 16 (33-0)	5.471	R 16 (33-0)	5.471	255	18891.482	1.483	R 23 (33-0)	7.713	281	18886.499	6.499	*****	
215	18897.627	7.627	R 7 (33-0)			230	18895.283	5.284	R 66 (34-0)	5.284	R 66 (34-0)	5.284	R 66 (34-0)	5.284	256	18891.365	1.367	R163 (42-0)	7.713	282	18886.423	6.445	R134 (38-0)	
216	18897.516	7.516	P154 (40-0)			231	18895.057	5.059	P 14 (33-0)	5.059	P 14 (33-0)	5.059	P 14 (33-0)	5.059	257	18890.886	0.886	P 21 (33-0)	7.713	283	18886.334	6.333	P162 (42-0)	
217	18897.406	7.406	R 6 (33-0)			232	18894.991	4.993	R 17 (33-0)	4.993	R 17 (33-0)	4.993	R 17 (33-0)	4.993	258	18890.789	0.791	R 24 (33-0)	7.713	284	18885.990	5.990	R 30 (33-0)	
218	18897.301	7.301	R 18 (33-0)			233	18894.939	4.935	R 90 (35-0)	4.935	R 90 (35-0)	4.935	R 90 (35-0)	4.935	259	18890.661	0.659	P106 (36-0)	7.713	285	18885.741	6.741	R156 (36-0)	
219	18897.201	7.201	R 16 (33-0)			234	18894.698	4.698	R128 (37-0)	4.698	R128 (37-0)	4.698	R128 (37-0)	4.698	260	18890.500	0.500	R 30 (33-0)	7.713	286	18885.324	5.325	P132 (38-0)	
220	18897.101	7.101	R 156 (41-0)			235	18894.553	4.553	P 15 (33-0)	4.553	P 15 (33-0)	4.553	P 15 (33-0)	4.553	261	18890.167	0.167	P 22 (33-0)	7.713	287	18885.212	5.221	P 68 (34-0)	
221	18897.001	7.001	R 6 (33-0)			236	18894.483	4.483	R 18 (33-0)	4.483	R 18 (33-0)	4.483	R 18 (33-0)	4.483	262	18890.167	0.169	P 22 (33-0)	7.713	288	18885.082	5.082	R 31 (33-0)	
222	18896.901	6.901	R 18 (33-0)			237	18894.405	4.405	R 18 (33-0)	4.405	R 18 (33-0)	4.405	R 18 (33-0)	4.405	263	18890.066	0.066	P 25 (33-0)	7.713	289	18884.917	4.917	R 164 (42-0)	
223	18896.801	6.801	R 19 (33-0)			238	18894.214	4.215	P105 (36-0)	4.215	P105 (36-0)	4.215	P105 (36-0)	4.215	264	18889.981	9.983	P131 (38-0)	7.713	290	18884.628	4.628	R 121 (37-0)	
224	18896.701	6.701	R 19 (33-0)			239	18894.017	4.021	P 16 (33-0)	4.021	P 16 (33-0)	4.021	P 16 (33-0)	4.021	265	18889.558	9.557	P 66 (34-0)	7.713	291	18884.279	4.279	P 91 (35-0)	
225	18896.601	6.601	R 19 (33-0)			240	18893.945	3.946	R 19 (33-0)	3.946	R 19 (33-0)	3.946	R 19 (33-0)	3.946	266	18889.417	9.419	P 23 (33-0)	7.713	292	18884.143	4.143	R 32 (33-0)	
226	18896.501	6.501	R 19 (33-0)			241	18893.765	3.765	P 64 (34-0)	3.765	P 64 (34-0)	3.765	P 64 (34-0)	3.765	267	18889.313	9.314	R 26 (33-0)	7.713	293	18884.041	4.041	R 164 (42-0)	
227	18896.401	6.401	R 19 (33-0)			242	18893.454	3.456	P 17 (33-0)	3.456	P 17 (33-0)	3.456	P 17 (33-0)	3.456	268	18889.095	9.099	R 92 (35-0)	7.713	294	18883.445	3.445	P108 (36-0)	
228	18896.301	6.301	R 19 (33-0)			243	18893.377	3.377	R 20 (33-0)	3.377	R 20 (33-0)	3.377	R 20 (33-0)	3.377	269	18888.987	8.986	R 69 (34-0)	7.713	295	18883.312	3.312	P 30 (33-0)	
229	18896.201	6.201	R 19 (33-0)			244	18893.210	3.217	R 67 (34-0)	3.217	R 67 (34-0)	3.217	R 67 (34-0)	3.217	270	18888.803	8.803	R109 (36-0)	7.713	296	18883.168	3.168	R 33 (33-0)	
230	18896.101	6.101	R 19 (33-0)			245	18892.927	2.941	R142 (39-0)	2.941	R142 (39-0)	2.941	R142 (39-0)	2.941	271	18888.637	6.639	P 24 (33-0)	7.713	297	18883.005	3.005	P 69 (34-0)	
231	18896.001	6.001	R 19 (33-0)			246	18892.856	2.860	P 18 (33-0)	2.860	P 18 (33-0)	2.860	P 18 (33-0)	2.860	272	18888.527	8.529	R 27 (33-0)	7.713	298	18882.664	2.664	R 94 (35-0)	
232	18895.901	5.901	R 19 (33-0)			247	18892.774	2.776	R 21 (33-0)	2.776	R 21 (33-0)	2.776	R 21 (33-0)	2.776	273	18887.405	7.405	P 67 (34-0)	7.713	299	18882.402	2.402	R 72 (34-0)	
233	18895.801	5.801	R 19 (33-0)			248	18892.655	2.693	P161 (42-0)	2.693	P161 (42-0)	2.693	P161 (42-0)	2.693	274	18887.307	7.308	P149 (40-0)	7.713	300	18882.175	2.175	R124 (37-0)	
234	18895.701	5.701	R 19 (33-0)			249	18892.385	2.386	R 19 (33-0)	2.386	R 19 (33-0)	2.386	R 19 (33-0)	2.386	275	18887.184	7.189	P141 (39-0)	7.713	301	18882.049	2.049	P142 (39-0)	
235	18895.601	5.601	R 19 (33-0)			250	18892.232	2.233	P 19 (33-0)	2.233	P 19 (33-0)	2.233	P 19 (33-0)	2.233	276	18887.069	7.069	P107 (36-0)	7.713	302	18881.791	1.791	R152 (40-0)	
236	18895.501	5.501	R 19 (33-0)			251	18892.145	2.145	R 22 (33-0)	2.145	R 22 (33-0)	2.145	R 22 (33-0)	2.145	277	18886.689	6.689	P156 (41-0)	7.713	303	18881.537	1.537	R111 (36-0)	
237	18895.401	5.401	R 19 (33-0)			252	18892.036	2.057	R157 (41-0)	2.057	R157 (41-0)	2.057	R157 (41-0)	2.057	278	18886.499	6.499	*****	7.713	304	18881.297	1.297	P 92 (35-0)	
238	18895.301	5.301	R 19 (33-0)			253	18891.677	1.677	R 65 (34-0)	1.677	R 65 (34-0)	1.677	R 65 (34-0)	1.677	279	18886.985	6.987	P 26 (33-0)	7.713	305	18881.141	1.141	R 35 (33-0)	
239	18895.201	5.201	R 19 (33-0)			254	18891.573	1.576	R 20 (33-0)	1.576	R 20 (33-0)	1.576	R 20 (33-0)	1.576	280	18886.856	6.867	R 29 (33-0)	7.713	306	18880.757	0.757	P 76 (34-0)	
240	18895.101	5.101	R 19 (33-0)			255	18891.482	1.483	R 23 (33-0)	1.483	R 23 (33-0)	1.483	R 23 (33-0)	1.483	281	18886.334	6.333	P162 (42-0)	7.713	307	18880.628	0.628	P133 (38-0)	
241	18895.001	5.001	R 19 (33-0)			256	18891.116	1.117	R 68 (34-0)	1.117	R 68 (34-0)	1.117	R 68 (34-0)	1.117	282	18886.741	6.741	P134 (38-0)	7.713	308	18880.233	0.233	R 33 (33-0)	
242	18894.901	4.901	R 19 (33-0)			257	18890.886	0.886	P 21 (33-0)	0.886	P 21 (33-0)	0.886	P 21 (33-0)	0.886	283	18886.590	5.597	P126 (38-0)	7.713	309	18880.088	0.088	R 73 (34-0)	
243	18894.801	4.801	R 19 (33-0)			258	18890.789	0.791	R 24 (33-0)	0.791	R 24 (33-0)	0.791	R 24 (33-0)	0.791	284	18886.500	5.000	P106 (36-0)	7.713	310	18879.932	9.932	R 928 (42-0)	
244	18894.701	4.701	R 19 (33-0)			259	18890.661	0.65																

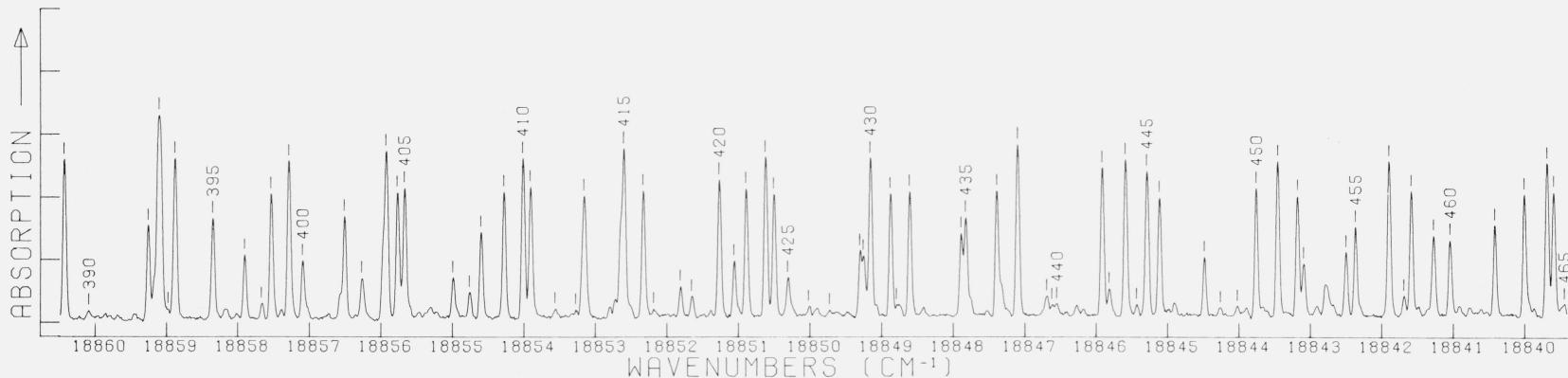


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LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT				
308	18880.233	0.233	P 33	(33-0)	321	18876.365	6.166	P 72	(34-0)	339	18872.221	2.230	R 146	(39-0)	358	18868.598	8.598	P 112	(36-0)	374	18864.417	4.416	R 100	(35-0)				
309	18880.088	0.141	R 73	(34-0)	322	18876.167	6.102	R 153	(40-0)	340	18872.062	2.059	R 137	(38-0)	359	18868.361	8.360	R 78	(34-0)	375	18864.126	4.125	P 77	(34-0)				
	0.095	R 95	(35-0)			323	18876.095	6.091	P 110	(36-0)		341	18871.971	1.971	P 40	(33-0)	360	18867.967	7.966	P 43	(33-0)		376	18863.685	3.684	P 46	(33-0)	
	0.080	R 36	(33-0)			324	18875.893	5.896	P 130	(38-0)		342	18871.780	1.780	R 43	(33-0)	361	18867.912	7.903	P 125	(37-0)		377	18863.555	3.559	P 126	(37-0)	
	0.038	R 159	(41-0)			325	18875.696	5.697	P 37	(33-0)		343	18871.632	1.633	P 144	(39-0)	362	18867.449	7.843	R 161	(41-0)		378	18863.449	3.458	R 49	(33-0)	
310	18879.932	9.928	P 163	(42-0)	326	18875.524	5.525	R 75	(34-0)		344	18871.447	1.446	P 78	(34-0)	363	18867.408	7.759	R 46	(33-0)		379	18862.756	2.756	R 116	(36-0)		
	18879.786	9.785	P 109	(36-0)		327	18875.177	5.175	P 90	(35-0)		345	18871.124	1.124	P 135	(38-0)		364	18867.319	7.619	R 99	(35-0)		380	18862.513	2.559	R 139	(38-0)
	18879.432					328	18874.485	4.486	P 38	(33-0)		346	18871.060	0.789	R 98	(35-0)		365	18866.956	6.980	P 165	(42-0)		381	18862.195	2.195	P 47	(33-0)
	18879.318					329	18874.306	4.306	R 41	(33-0)		347	18870.785	0.781	R 77	(34-0)		366	18866.596	6.952	R 147	(39-0)		382	18861.964	1.963	R 50	(33-0)
311	18879.145	9.145	P 34	(33-0)		330	18874.130	4.129	R 113	(36-0)		348	18870.667	0.667	P 41	(33-0)		367	18866.583	6.597	P 76	(34-0)		383	18861.622	1.679	R 162	(41-0)
	18878.986	6.987	R 37	(33-0)		331	18873.927	3.963	R 161	(41-0)		349	18870.470	0.470	R 44	(33-0)		368	18866.582	6.582	R 115	(36-0)				1.634	R 148	(39-0)
	18878.478	6.526	R 165	(42-0)								350	18870.474	0.437	P 152	(40-0)		369	18866.570	6.570	P 48	(33-0)				1.620	P 78	(34-0)
	6.478	P 73	(34-0)									351	18870.374	0.427	R 154	(40-0)		370	18866.357	6.369	P 145	(39-0)				1.620	P 78	(34-0)
314	18878.259	6.258	P 93	(35-0)								352	18870.374	0.427	R 154	(40-0)		371	18866.356	6.356	R 47	(33-0)				1.620	P 78	(34-0)
315	18878.026	6.027	P 35	(33-0)								353	18870.374	0.427	R 154	(40-0)		372	18866.355	6.356	R 47	(33-0)				1.620	P 78	(34-0)
	7.985	R 125	(37-0)									354	18870.374	0.427	R 154	(40-0)		373	18866.354	6.356	R 47	(33-0)				1.620	P 78	(34-0)
316	18877.857	7.863	R 38	(33-0)								355	18870.374	0.427	R 154	(40-0)		374	18866.353	6.356	R 47	(33-0)				1.620	P 78	(34-0)
	7.850	R 112	(36-0)									356	18870.374	0.427	R 154	(40-0)		375	18866.352	6.356	R 47	(33-0)				1.620	P 78	(34-0)
	7.849	R 73	(34-0)									357	18870.374	0.427	R 154	(40-0)		376	18866.351	6.356	R 47	(33-0)				1.620	P 78	(34-0)
317	18877.467	7.468	R 145	(39-0)								358	18870.374	0.427	R 154	(40-0)		377	18866.350	6.356	R 47	(33-0)				1.620	P 78	(34-0)
	7.026	R 95	(35-0)									359	18870.374	0.427	R 154	(40-0)		378	18866.349	6.356	R 47	(33-0)				1.620	P 78	(34-0)
	7.006	R 136	(38-0)									360	18870.374	0.427	R 154	(40-0)		379	18866.348	6.356	R 47	(33-0)				1.620	P 78	(34-0)
318	18876.875	6.877	P 36	(33-0)								361	18870.374	0.427	R 154	(40-0)		380	18866.347	6.356	R 47	(33-0)				1.620	P 78	(34-0)
	6.858	P 143	(39-0)									362	18870.374	0.427	R 154	(40-0)		381	18866.346	6.356	R 47	(33-0)				1.620	P 78	(34-0)
319	18876.709	6.708	R 39	(33-0)								363	18870.374	0.427	R 154	(40-0)		382	18866.345	6.356	R 47	(33-0)				1.620	P 78	(34-0)
320	18876.484	6.482	P 123	(37-0)								364	18870.374	0.427	R 154	(40-0)		383	18866.344	6.356	R 47	(33-0)				1.620	P 78	(34-0)

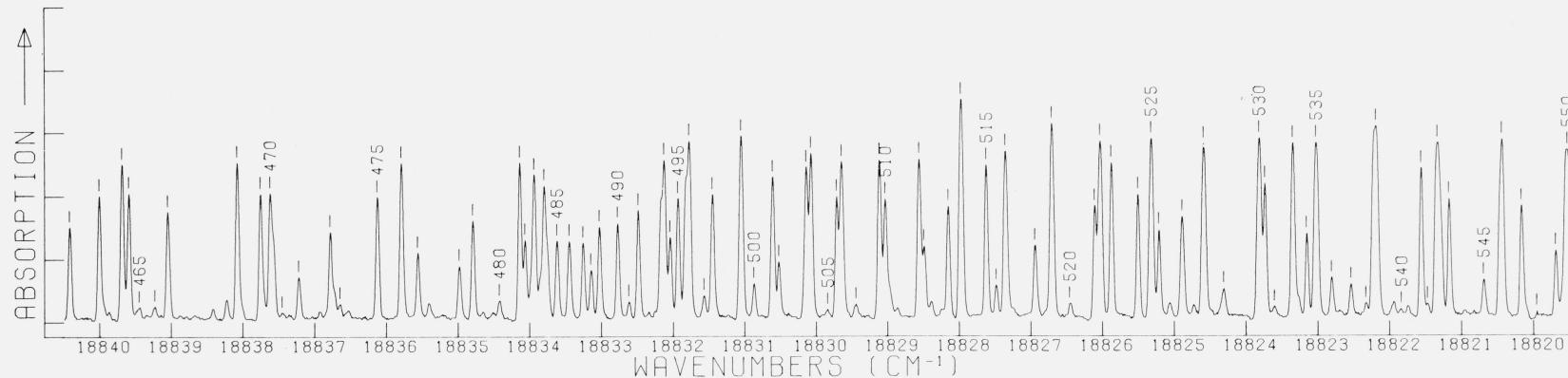
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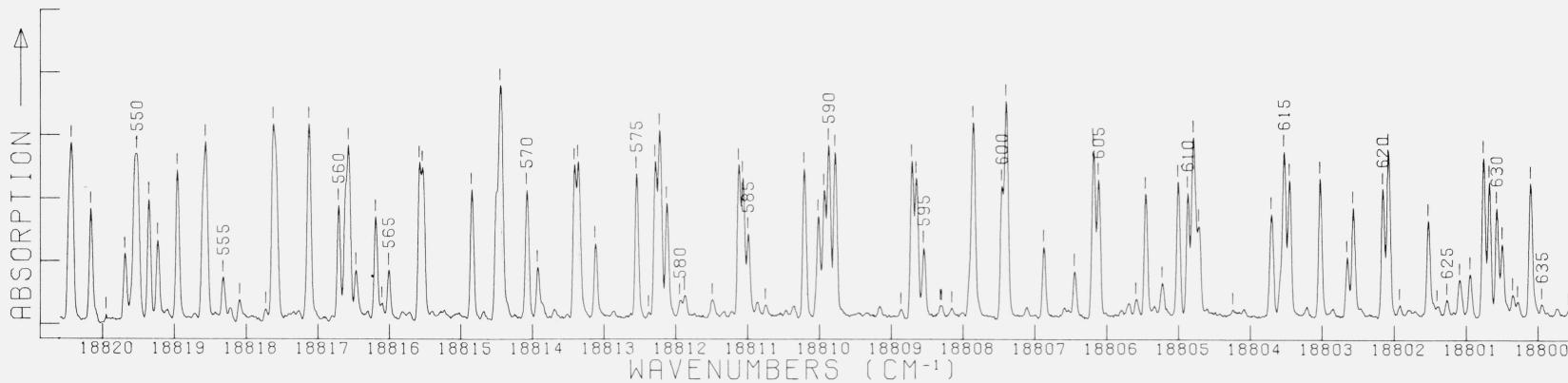
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LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT														
389	18860.438	0.437	R 51	(33-0)	404	18855.773	5.722	R 83	(34-0)	419	18851.657	1,656	P139	(38-0)	18847.331	7,324	R132	(37-0)	18847.264	7,259	R158	(40-0)	18843.097	3,094	R121	(36-0)												
390	18860.092	0.436	P166	(42-0)						405	18855.674	5.671	R 54	(33-0)	420	18851.276	1,278	P 82	(34-0)	437	18847.105	7,105	R 59	(33-0)	18842.776	2,796	R133	(37-0)										
391	18859.260	9.259	P 99	(35-0)						405	18855.473	5.470	R163	(41-0)					421	18850.067	1,065	R119	(36-0)					18842.912	2,918	R165	(41-0)							
392	18859.107	9.179	P127	(37-0)						405	18855.309				421	18850.067	1,065	R119	(36-0)	422	18850.900	9,091	P 54	(33-0)	438	18846.694	6,693	P140	(38-0)					18842.776	2,796	R133	(37-0)	
		9.123	P 49	(33-0)						405	18855.222				422	18850.900	9,091	P 54	(33-0)	438	18846.694	6,693	P140	(38-0)	454	18842.504	2,503	P104	(35-0)									
		9.083	P 79	(34-0)						406	18854.998	4,997	R118	(36-0)					422	18850.900	9,091	P 54	(33-0)	455	18842.372	2,373	R 88	(34-0)										
393	18858.981	8.982	P154	(40-0)						407	18854.765	4,762	P128	(37-0)	423	18850.626	6,624	R 57	(33-0)	440	18846.552				456	18841.904	1,902	P 59	(33-0)									
394	18858.884	8.928	R156	(40-0)						408	18854.606	4,604	R103	(35-0)	424	18850.510	5,10	R 45	(34-0)	440	18846.552				457	18841.692	1,692	P141	(38-0)									
		8.917	R168	(42-0)						409	18854.285	4,283	P 52	(33-0)	425	18850.313	3,335	P148	(39-0)	440	18846.184				458	18841.592	1,590	P 62	(33-0)									
		8.894	R117	(36-0)						410	18854.022	4,020	R 55	(33-0)					426	18850.021	0,017	P162	(41-0)	441	18845.920	5,922	P103	(35-0)										
		8.879	R 52	(33-0)						411	18853.913	3,912	P 41	(34-0)					426	18849.919				442	18845.822	5,817	P130	(37-0)										
395	18858.355	8.354	R 82	(34-0)						412	18853.568	3,847	P167	(42-0)	427	18849.730				442	18845.822	5,817	P130	(37-0)	459	18841.279	1,279	P131	(37-0)									
		18858.175								413	18853.278				428	18849.306	9,307	P102	(35-0)	443	18845.596	5,610	R170	(42-0)					18841.361	1,361	R159	(40-0)						
		18858.022								414	18853.163	3.193	P116	(36-0)	428	18849.258	9,254	P117	(36-0)	444	18845.435	5,436	R151	(39-0)					18841.049	1,048	R107	(35-0)						
396	18857.910	7.909	R102	(35-0)						414	18853.163	3.191	P155	(40-0)					428	18849.164	9,163	P 55	(33-0)	444	18845.435	5,436	R151	(39-0)										
397	18857.672	7.667	R140	(38-0)							414	18853.163	3.157	R 49	(34-0)	430	18849.164	9,163	P 55	(33-0)	445	18845.297	5,298	R 60	(33-0)					18840.917								
398	18857.541	7.541	P 50	(33-0)								414	18853.163	3.115	R157	(40-0)	431	18848.883	8,880	R 58	(33-0)	446	18845.118	5,117	R 87	(34-0)					18840.773							
		18857.397													432	18848.794				446	18844.909	4,910	P149	(39-0)					18840.695									
399	18857.292	7.290	R 53	(33-0)							400	18857.099	7.097	P115	(36-0)	432	18852.806				446	18844.909	4,910	P149	(39-0)					18840.615								
		18857.099													415	18852.734	2,735	R141	(38-0)	433	18848.614	8,612	P 83	(34-0)	447	18844.490	4,488	R106	(35-0)					18840.412	1,412	P169	(42-0)	
		18856.577	6.580	P138	(38-0)										415	18852.610	2,658	P101	(35-0)	433	18848.427				448	18844.260				461	18840.421	1,421	P169	(42-0)				
401	18856.515	6.514	P 80	(34-0)											415	18852.610	2,607	P 53	(33-0)	434	18847.894	7,894	R105	(35-0)	449	18844.026					462	18840.010	0,009	P 60	(33-0)			
402	18856.571	6.275	P149	(39-0)											416	18852.338	2,338	R 56	(33-0)	435	18847.832	7,830	R 86	(34-0)	450	18843.765	3,764	P 58	(33-0)					18839.877				
		6.269	R130	(37-0)												416	18852.338	2,287	R169	(42-0)	436	18847.767	7,765	R142	(38-0)	450	18843.765	3,752	P163	(41-0)					18839.692	6,990	R 63	(33-0)
		6.239	P161	(41-0)												417	18852.188				436	18847.396	7,395	P 56	(33-0)	451	18843.462	3,460	R 61	(33-0)					18839.596	5,959	R 89	(34-0)
403	18855.930	5.975	P100	(35-0)												418	18851.815	1.815	R131	(37-0)					452	18843.185	3,185	R132	(34-0)					18839.447	9,445	P150	(39-0)	
		5.927	P 51	(33-0)													418	18851.815								453	18843.097	3,094	R121	(36-0)					18839.447	9,445	P150	(39-0)

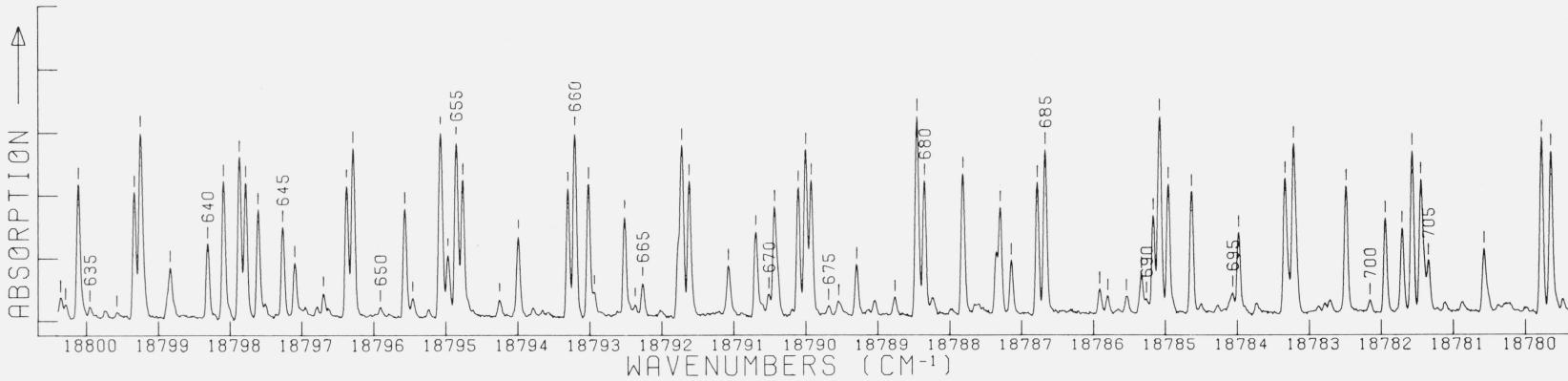


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LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT						
461	18840.421	0.419	P 46	(34-0)	482	18834.068	4.065	R109	(35-0)	496	18831.780	1.843	P 10	(32-0)	514	18827.983	7.994	P 18	(32-0)	532	18823.605	3.604	P160	(40-0)						
462	18840.010	0.009	P 60	(33-0)			4.001	R 1	(32-0)		497	18831.569	1.828	R 13	(32-0)		533	18823.355	3.407	R162	(40-0)									
		9.955	R152	(39-0)	483	18833.943	3.987	R 0	(32-0)		498	18831.454	1.775	R 67	(33-0)				3.357	R 71	(33-0)									
463	18839.877					3.986	R 2	(32-0)		499	18831.055	1.574	P143	(38-0)	515	18827.630	7.629	R 69	(33-0)				3.335	R112	(35-0)					
464	18839.692	9.690	R 63	(33-0)		3.942	R 91	(34-0)		500	18830.874	1.467	P 11	(32-0)	516	18827.488	7.496	R146	(38-0)	534	18823.158	3.267	R155	(39-0)						
465	18839.596	9.595	R 89	(34-0)		3.940	R 3	(32-0)		501	18830.613	1.452	R 14	(32-0)		517	18827.362	7.487	P134	(37-0)	535	18823.029	3.050	P 25	(32-0)					
466	18839.447	9.445	P150	(39-0)	484	18833.802	3.868	P 1	(32-0)		502	18830.525	1.087	P165	(41-0)		518	18826.947	7.024	P171	(42-0)	536	18822.811	2.811	P135	(37-0)				
467	18839.054	9.055	R122	(36-0)		3.864	R 4	(32-0)		503	18830.144	1.066	R 92	(34-0)			519	18826.714	6.946	R111	(35-0)				2.807	P153	(39-0)			
		9.051	P105	(35-0)		3.800	R 66	(33-0)		504	18830.077	1.045	R 15	(32-0)			520	18826.459	6.457	P144	(38-0)				2.544	R126	(36-0)			
468	18838.881	8.886	R171	(42-0)		3.800	P170	(42-0)		505	18829.842	0.871	R124	(36-0)			521	18826.116	6.115	P 91	(34-0)	537	18822.542	2.544	R126	(36-0)				
469	18838.421					3.763	P 2	(32-0)		506	18829.720	0.626	P 13	(32-0)			522	18826.039	6.057	P 21	(32-0)	538	18822.330	2.331	R147	(38-0)				
470	18838.232	8.231	R134	(37-0)		3.759	R 5	(32-0)		507	18829.651	0.623	R110	(35-0)			523	18825.883	5.882	P 67	(33-0)				2.243	R 95	(34-0)			
471	18838.085	8.084	P 61	(33-0)	485	18833.623	3.629	R135	(37-0)		508	18829.445	0.186	R167	(41-0)			524	18825.512	5.509	R 70	(33-0)	539	18822.193	2.223	P 26	(32-0)			
472	18837.760	7.758	R 64	(33-0)		3.628	R 3	(32-0)		509	18829.120	0.160	P 14	(32-0)			525	18825.325	5.351	P 22	(32-0)				2.185	R 29	(32-0)			
		7.709	R144	(38-0)		3.623	R 6	(32-0)		510	18829.039	0.141	R 17	(32-0)			526	18825.217	5.217	R 94	(34-0)						18821.950			
473	18837.624	7.624	P 87	(34-0)	486	18833.452	3.464	P 4	(32-0)		511	18828.973	0.074	R 65	(33-0)			527	18824.895	4.902	P109	(35-0)	540	18821.839	6.028	R 24	(32-0)			
474	18836.732	6.726	P132	(37-0)		3.457	R 7	(32-0)		512	18828.872	0.074	R 70	(33-0)			528	18824.731	4.687	P166	(41-0)						18821.750			
475	18836.455	7.441	P164	(41-0)	487	18833.259	3.269	P 5	(32-0)		513	18828.767	0.031	R 65	(33-0)			529	18824.594	4.614	P 23	(32-0)	541	18821.566	1.564	P 69	(33-0)			
476	18837.224	7.226	P120	(36-0)		3.260	R 8	(32-0)		514	18828.651	0.034	R 156	(40-0)			530	18824.512	4.512	R137	(37-0)						18821.566			
477	18836.930				488	18833.147	3.146	P121	(36-0)		515	18828.549	0.031	R 123	(36-0)			531	18824.497	4.583	R 17	(32-0)	542	18821.475	1.525	R 27	(32-0)			
478	18836.784	6.785	R 90	(34-0)		3.034	R 9	(32-0)		516	18828.445	0.034	R 161	(40-0)			532	18824.475	4.587	R 72	(33-0)						18821.475			
479	18836.732	6.726	P132	(37-0)	490	18832.778	2.788	P 7	(32-0)		517	18828.345	0.035	R 161	(40-0)			533	18824.440	4.463	P 21	(32-0)	543	18821.336	1.365	P 27	(32-0)			
480	18836.646	6.652	P142	(38-0)		2.778	P 10	(32-0)		518	18828.245	0.035	R 161	(40-0)			534	18821.306	4.294	R173	(42-0)						1.325	R 30	(32-0)	
481	18836.531	6.575	R166	(41-0)	491	18832.620	2.622	R145	(38-0)		519	18828.145	0.116	R 19	(32-0)			535	18821.280	4.280	P110	(35-0)						1.301	P145	(38-0)
						2.778	P 7	(32-0)		520	18828.045	0.116	R 19	(32-0)			536	18821.240	4.240	P110	(35-0)						1.280	P110	(35-0)	
482	18835.796	5.795	R 65	(33-0)	492	18832.491	2.503	P 8	(32-0)		521	18827.983	0.116	R 19	(32-0)			537	18821.177	4.174	R 72	(33-0)						0.694	P124	(36-0)
483	18835.565	5.566	P158	(40-0)	493	18832.129	2.188	P 9	(32-0)		522	18827.883	0.116	R 19	(32-0)			538	18821.140	4.140	R 72	(33-0)						0.694	P124	(36-0)
484	18834.424	4.434	R153	(39-0)	494	18832.047	2.044	P107	(35-0)		523	18827.780	0.116	R 19	(32-0)			539	18821.040	4.040	R 72	(33-0)						0.694	P124	(36-0)
485	18834.144	4.142	P 63	(33-0)	495	18831.937	1.935	P 89	(34-0)		524	18827.680	0.116	R 19	(32-0)			540	18820.940	4.040	R 72	(33-0)						0.694	P124	(36-0)
						2.125	P133	(37-0)		525	18827.580	0.116	R 19	(32-0)			541	18820.840	4.040	R 72	(33-0)						0.694	P124	(36-0)	
486	18834.985	4.981	R123	(36-0)		2.124	P 64	(33-0)		526	18827.480	0.116	R 19	(32-0)			542	18820.740	4.040	R 72	(33-0)						0.694	P124	(36-0)	
487	18834.797	4.795	P 88	(34-0)		2.114	R172	(42-0)		527	18827.380	0.116	R 19	(32-0)			543	18820.640	4.040	R 72	(33-0)						0.694	P124	(36-0)	
488	18834.424	4.434	R153	(39-0)		2.114	R172	(42-0)		528	18827.280	0.116	R 19	(32-0)			544	18820.540	4.040	R 72	(33-0)						0.694	P124	(36-0)	
489	18834.144	4.142	P 63	(33-0)		2.114	R172	(42-0)		529	18827.180	0.116	R 19	(32-0)			545	18820.440	4.040	R 72	(33-0)						0.694	P124	(36-0)	
						2.114	R172	(42-0)		530	18827.080	0.116	R 19	(32-0)			546	18820.340	4.040	R 72	(33-0)						0.694	P124	(36-0)	
490	18834.985	4.981	R123	(36-0)		2.114	R172	(42-0)		531	18826.980	0.116	R 19	(32-0)			547	18820.240	4.040	R 72	(33-0)						0.694	P124	(36-0)	
491	18834.797	4.795	P 88	(34-0)		2.114	R172	(42-0)		532	18826.880	0.116	R 19	(32-0)			548	18820.140	4.040	R 72	(33-0)						0.694	P124	(36-0)	
492	18834.424	4.434	R153	(39-0)		2.114	R172	(42-0)		533	18826.780	0.116	R 19	(32-0)			549	18820.040	4.040	R 72	(33-0)						0.694	P124	(36-0)	
493	18834.144	4.142	P 63	(33-0)		2.114	R172	(42-0)		534	18825.980	0.116	R 19	(32-0)			550	18819.880	4.040	R 72	(33-0)						0.694	P124	(36-0)	
						2.114	R172	(42-0)		535	18825.880	0.116	R 19	(32-0)			551	18819.780	4.040	R 72	(33-0)						0.694	P124	(36-0)	
494	18834.985	4.981	R123	(36-0)		2.114	R172	(42-0)		536	18825.780	0.116	R 19	(32-0)			552	18819.680	4.040	R 72	(33-0)						0.694	P124	(36-0)	
495	18834.797	4.795	P 88	(34-0)		2.114	R172	(42-0)		537	18825.680	0.116	R 19	(32-0)			553	18819.580	4.040	R 72	(33-0)						0.694	P124	(36-0)	
						2.114	R172	(42-0)		538	18825.580	0.116	R 19	(32-0)			554	18819.480	4.040	R 72	(33-0)						0.694	P124	(36-0)	
496	18834.424	4.434	R153	(39-0)		2.114	R172	(42-0)		539	18825.480	0.116	R 19	(32-0)			555	18819.380	4.040	R 72	(33-0)						0.694	P124	(36-0)	
497	18834.144	4.142	P 63	(33-0)		2.114	R172	(42-0)		540	18825.380	0.116	R 19	(32-0)			556	18819.280	4.040	R 72	(33-0)						0.694	P124	(36-0)	
						2.114	R172	(42-0)		541	18825.280	0.116	R 19	(32-0)			557	18819.180	4.040	R 72	(33-0)						0.694	P124	(36-0)	
498	18834.985	4.981	R123	(36-0)		2.114	R172	(42-0)		542	18825.180	0.116	R 19	(32-0)			558	18819.080	4.040	R 72	(33-0)						0.694	P124	(36-0)	
499	18834.797	4.795	P 88	(34-0)		2.114	R172	(42-0)		543	18825.080	0.116	R 19	(32-0)			559	18818.980	4.040	R 72	(33-0)						0.694	P124	(36-0)	
500	18834.424	4.434	R153	(39-0)		2.114	R1																							

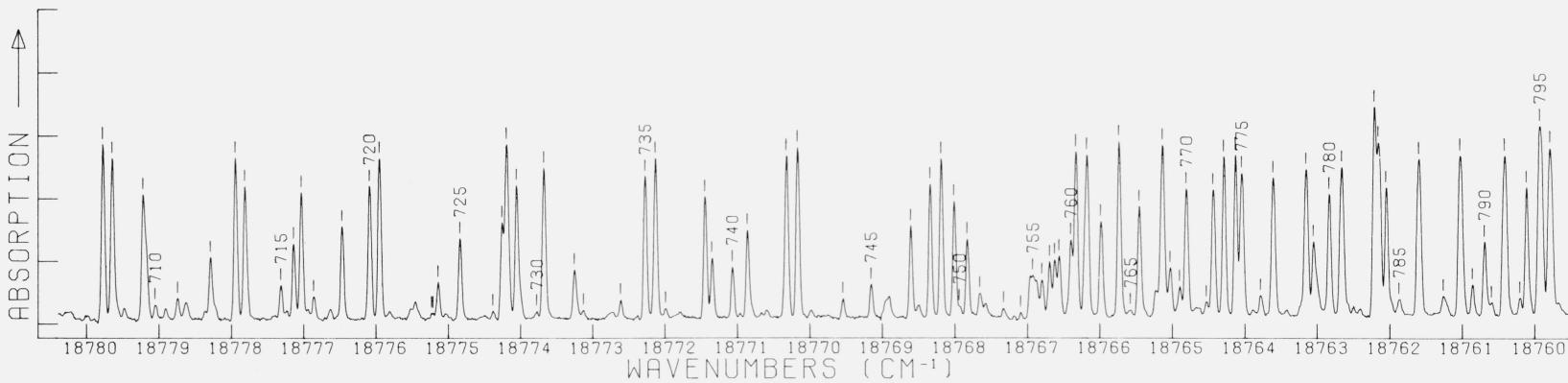


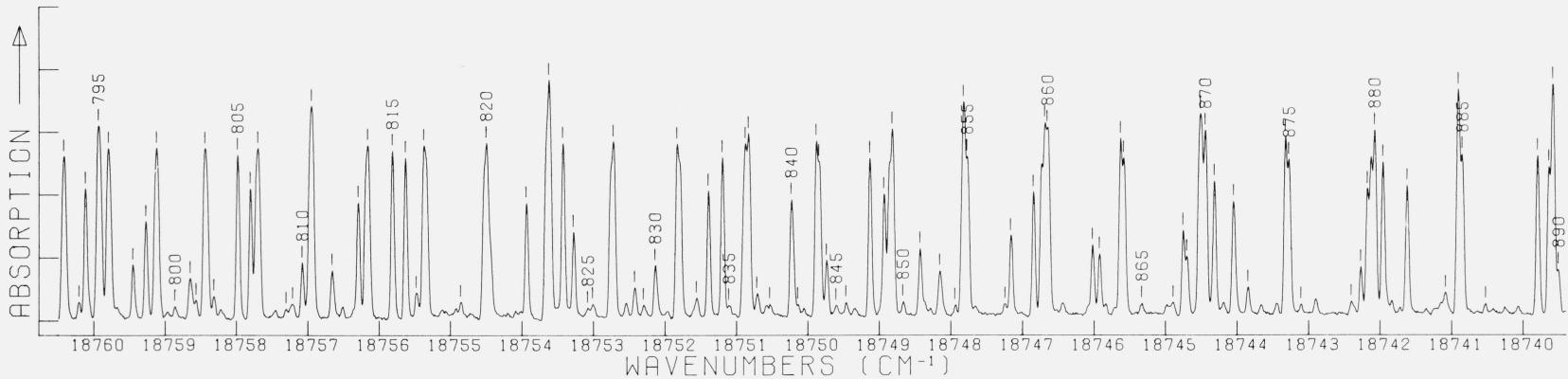
LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT			
546	18820.440	0.478	P 28 (32-0)	561	18816.575	6,625	P 32 (32-0)	578	18812.230	2,232	R 31 (32-0)	597	18808.301	3,739	P 139 (37-0)	614	18803.711	3,739	P 139 (37-0)			
546	0.436	R 31 (32-0)	6,576	R 35 (32-0)	562	18816.472	6,472	P 124 (36-0)	579	18812.129	2,127	R 76 (33-0)	598	18808.159	3,708	R 101 (34-0)	615	18803.537	3,592	P 128 (36-0)		
547	18820.168	0.201	P 172 (42-0)	563	18816.331	6,147	P 125 (36-0)	580	18811.945	1,936	R 157 (39-0)	599	18807.865	7,921	P 127 (36-0)	5,856	18807.75	7,873	P 97 (34-0)			
548	18819.954	0.165	P 93 (34-0)	563	18816.197	6,196	R 97 (34-0)	581	18811.879	1,883	R 149 (38-0)	600	18807.467	7,470	P 40 (32-0)	616	18803.461	3,462	R 46 (32-0)			
549	18819.692	9,690	R 113 (35-0)	564	18816.108	6,106	P 146 (38-0)	581	18811.754	1,754	P 168 (41-0)	601	18807.407	7,414	R 78 (33-0)	617	18803.036	3,036	P 77 (33-0)			
550	18819.527	9,508	R 119 (37-0)	565	18816.012	6,010	R 114 (35-0)	582	18811.493	1,512	P 155 (39-0)	601	18807.407	7,402	R 43 (32-0)	618	18802.659	1,657	P 115 (35-0)			
	9,560	P 29 (32-0)	18815.818	1,472	P 162 (40-0)	566	18815.732	1,343		602	18806.880	6,880	R 100 (34-0)	619	18802.576	2,574	R 80 (33-0)					
	9,516	R 32 (32-0)	18815.581	1,222	R 164 (40-0)	566	18815.581	5,587	P 33 (32-0)	602	18806.596	5,600	R 150 (38-0)	620	18802.452	6,450	P 114 (35-0)					
551	18819.358	9,358	P 70 (33-0)	567	18815.540	5,535	R 36 (32-0)	583	18811.127	1,130	P 37 (32-0)	603	18806.171	4,070	R 40 (32-0)	621	18802.469	4,613	P 174 (42-0)			
552	18819.235	9,236	R 96 (34-0)	567	18815.540	5,535	R 36 (32-0)	584	18811.071	1,071	R 40 (32-0)	604	18806.189	6,208	R 158 (39-0)	621	18802.087	2,087	R 47 (32-0)			
552	18819.105	18,860	R 73 (33-0)	568	18814.852	4,852	P 72 (33-0)	585	18810.996	0,995	P 96 (34-0)	604	18806.119	6,119	R 44 (32-0)	622	18801.926	1,926				
553	18818.961	8,960	P 30 (32-0)	568	18814.690	4,846	R 139 (37-0)	586	18810.872	0,872	P 147 (36-0)	605	18806.119	6,119	R 44 (32-0)	622	18801.808	1,808				
554	18818.570	8,612	P 30 (32-0)	569	18814.451	4,518	P 34 (32-0)	586	18810.753	0,749	R 170 (41-0)	605	18806.119	6,119	R 44 (32-0)	623	18801.530	1,530	P 99 (34-0)			
	8,566	R 33 (32-0)	18814.451	4,464	R 37 (32-0)	569	18810.366	1,220	P 74 (33-0)	605	18805.703	18805.703		624	18801.405	1,405						
18818.429	8,427	R 174 (42-0)	569	18810.366	4,436	P 75 (33-0)	587	18810.217	0,220	P 74 (33-0)	606	18805.594	5,600	P 148 (38-0)	625	18801.271	1,277	R 151 (38-0)				
18818.327	8,326	R 127 (36-0)	570	18814.083	4,085	P 95 (34-0)	587	18810.217	0,209	P 111 (35-0)	607	18805.405	5,405	P 176 (33-0)	625	18801.271	1,277	R 151 (38-0)				
18818.228	8,243	P 167 (41-0)	570	18814.083	4,073	R 128 (36-0)	588	18810.019	0,056	R 140 (37-0)	607	18805.405	5,405	P 176 (33-0)	626	18801.094	1,094	P 131 (36-0)				
556	18818.093	8,100	P 136 (37-0)	571	18813.934	3,933	P 112 (35-0)	589	18809.938	9,941	P 38 (32-0)	608	18805.230	5,229	R 141 (37-0)	626	18800.763	0,764	P 45 (32-0)			
557	18817.729	7,634	P 31 (32-0)	571	18813.877	3,877	P 31 (32-0)	590	18809.876	9,878	R 41 (32-0)	609	18805.011	5,065	R 165 (40-0)	626	18800.579	0,578	P 78 (33-0)			
558	18817.624	7,623	P 111 (35-0)	572	18813.416	3,410	P 35 (32-0)	591	18809.787	9,786	R 77 (33-0)	609	18805.011	5,010	R 79 (33-0)	631	18800.502	0,502	R 102 (34-0)			
	7,622	R 156 (39-0)	18813.416	3,410	R 38 (32-0)	572	18813.364	3,363	P 35 (32-0)	591	18809.787	9,786	R 77 (33-0)	609	18805.011	5,065	R 165 (40-0)	631	18800.579	0,578	P 78 (33-0)	
	7,586	P 161 (40-0)	18813.364	3,350	P 35 (32-0)	573	18813.364	3,363	R 38 (32-0)	591	18809.787	9,786	R 77 (33-0)	609	18805.011	5,010	R 79 (33-0)	631	18800.502	0,502	R 102 (34-0)	
18817.339	7,337	R 163 (40-0)	18813.364	3,350	P 35 (32-0)	574	18813.125	3,124	R 98 (34-0)	592	18808.667	8,674	R 42 (32-0)	610	18804.874	8,674	R 42 (32-0)	632	18800.356	0,356	P 142 (37-0)	
18817.273	7,273	R 169 (41-0)	18813.125	3,124	R 98 (34-0)	574	18813.125	3,124	R 98 (34-0)	593	18808.718	8,721	P 39 (32-0)	611	18804.801	8,406	R 45 (32-0)	632	18800.286	0,286	P 149 (38-0)	
559	18817.128	7,180	P 154 (39-0)	18812.877	3,054	R 122 (36-0)	575	18812.552	2,551	P 73 (33-0)	594	18808.656	8,655	R 42 (32-0)	611	18804.801	8,406	R 45 (32-0)	633	18800.226	0,226	P 147 (37-0)
7,141	P 94 (34-0)	18812.552	2,551	P 73 (33-0)	575	18812.552	2,551	P 73 (33-0)	595	18808.554	8,563	P 138 (37-0)	612	18804.721	8,718	R 94 (34-0)	634	18800.108	0,107	R 81 (33-0)		
7,127	R 148 (38-0)	18812.383	2,551	P 73 (33-0)	576	18812.383	2,551	P 73 (33-0)	596	18808.319	8,548	R 116 (35-0)	613	18804.246	8,548	R 116 (35-0)	635	18799.950	0,052	P 157 (39-0)		
7,120	P 71 (33-0)	18812.290	2,297	R 115 (35-0)	577	18812.290	2,297	R 115 (35-0)	596	18808.319	8,179	P 178 (41-0)	614	18804.179	4,178	R 171 (41-0)	636	18799.577	0,577			
560	18816.715	6,714	R 74 (33-0)	577	18812.290	2,290	P 36 (32-0)	596	18808.319	8,179	P 178 (41-0)	614	18804.096	8,179	P 178 (41-0)	636	18799.577	0,577				



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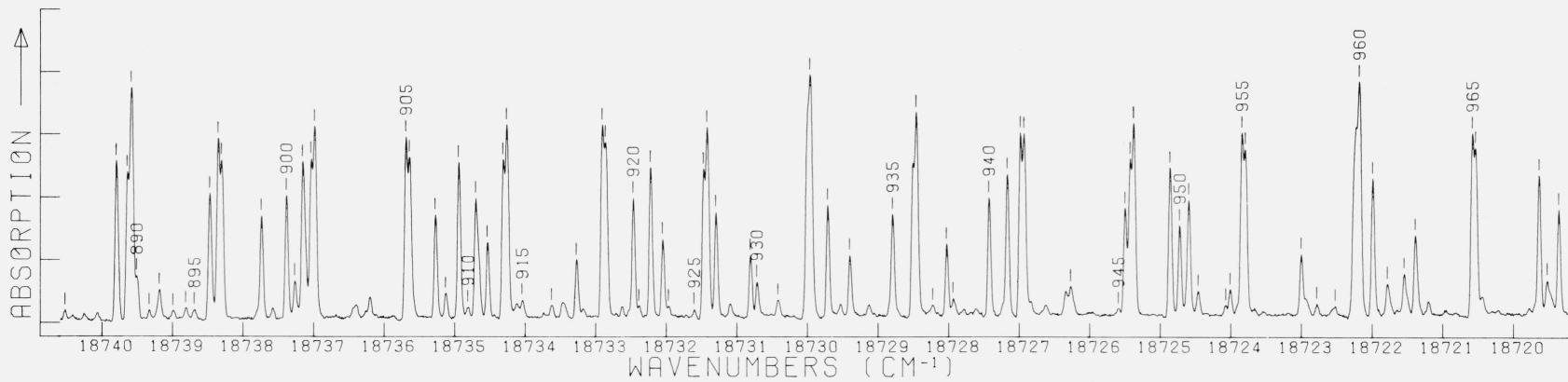
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632	18800.356	0.364	R142	(37-0)	647	18796.796	6.700	R132	(36-0)	663	18792.514	2.514	R 84	(33-0)	680	18788.348	8.348	R 56	(32-0)	697	18783.338	3.338	P 56	(32-0)				
633	18800.286	0.288	P149	(38-0)	648	18796.699	6.700	R132	(36-0)	664	18792.371	2.016	P171	(41-0)	681	18787.814	7.815	P 83	(33-0)	698	18783.218	3.218	R 59	(32-0)				
634	18800.108	0.107	R 81	(33-0)	649	18796.286	6.286	R 51	(32-0)	665	18792.266	2.266	R133	(36-0)	682	18787.295	7.354	R106	(34-0)	699	18782.881	3.176	P120	(35-0)				
635	18799.950	9.447	P175	(42-0)	650	18795.908	5.915	R152	(38-0)	666	18791.717	1.769	P102	(34-0)	683	18787.141	7.141	P119	(35-0)	700	18782.158	1.945	R 88	(33-0)				
636	18799.577	9.332	P 46	(32-0)	651	18795.568	5.568	P 80	(33-0)	667	18791.615	1.615	R 54	(32-0)	684	18786.781	6.781	P154	(32-0)	701	18781.945	3.290	R135	(36-0)				
637	18799.442	9.332	P 46	(32-0)	652	18795.455	5.461	R143	(37-0)	668	18791.072	1.072	P118	(35-0)	685	18786.671	6.671	P166	(40-0)	702	18781.711	1.711	P105	(34-0)				
638	18799.244	9.247	R 49	(32-0)	653	18795.070	5.077	R 83	(33-0)	669	18790.691	6.690	P105	(34-0)	686	18786.328	6.328	R168	(40-0)	703	18781.572	1.571	P 57	(32-0)				
		9.227	P129	(36-0)			5.056	P101	(34-0)			18790.608					687	18785.803	6.803	P132	(36-0)							
		9.167	P164	(40-0)	654	18794.968	4.968	P117	(35-0)	670	18790.511	0.520	R144	(37-0)	688	18785.915	5.918	P132	(36-0)	704	18781.449	1.448	R 60	(32-0)				
639	18798.832	8.878	P140	(37-0)	655	18794.851	4.851	P150	(38-0)	671	18790.431	0.431	P 82	(33-0)	689	18785.542	5.541	R145	(37-0)	705	18781.344	1.342	R123	(35-0)				
		8.863	R166	(40-0)			4.852	P 49	(32-0)			18790.431					690	18785.263										
		8.830	P116	(35-0)			4.827	P130	(36-0)			18790.186					691	18785.170	5.167	P 84	(33-0)							
		18798.638	8.640	P170	(41-0)	656	18794.761	4.759	R 52	(32-0)	672	18790.101	0.101	P 52	(32-0)	692	18785.080	5.097	P104	(34-0)								
640	18798.310	8.310	P100	(34-0)	657	18794.253	4.261	P158	(39-0)	673	18789.998	9.997	R 55	(32-0)	693	18784.960	4.959	R 58	(32-0)									
641	18798.089	8.088	P 79	(33-0)	658	18793.990	3.995	R104	(34-0)	674	18789.920	9.920	R 85	(33-0)	694	18784.635	4.635	R 87	(33-0)									
		18798.017					3.979	P141	(37-0)			18789.683					695	18784.065	4.115	P152	(38-0)							
642	18797.868	7.868	P 47	(32-0)						675	18789.540	9.546	P151	(38-0)				696	18783.739	3.983	R107	(34-0)						
643	18797.782	7.782	R 50	(32-0)		18793.789				676	18789.289	9.289	R121	(35-0)				697	18779.776	9.777	P 86	(33-0)						
644	18797.608	7.608	R 82	(33-0)		18793.662				677	18789.044	9.042	P142	(37-0)				698	18779.996	9.995	R169	(40-0)						
		7.561	R172	(41-0)	659	18793.301	3.299	P 50	(32-0)	678	18788.760	8.775	R167	(38-0)				699	18779.487	9.155	R155	(38-0)						
		18797.513							679	18788.453	8.456	P153	(32-0)				700	18779.648	9.647	R 61	(32-0)							
645	18797.267	7.266	R103	(34-0)	660	18793.205	3.210	R 53	(32-0)	680	18788.025	8.025	P153	(32-0)				701	18779.592	9.588	R155	(38-0)						
646	18797.098	7.097	R119	(35-0)	661	18793.017	3.015	P 81	(33-0)	681	18788.938	2.950	P165	(40-0)				702	18779.648	9.647	R 61	(32-0)						
		18796.961				662	18792.938	2.950	P165	(40-0)	682	18792.618	2.618	R167	(40-0)				703	18779.487	9.155	R155	(38-0)					



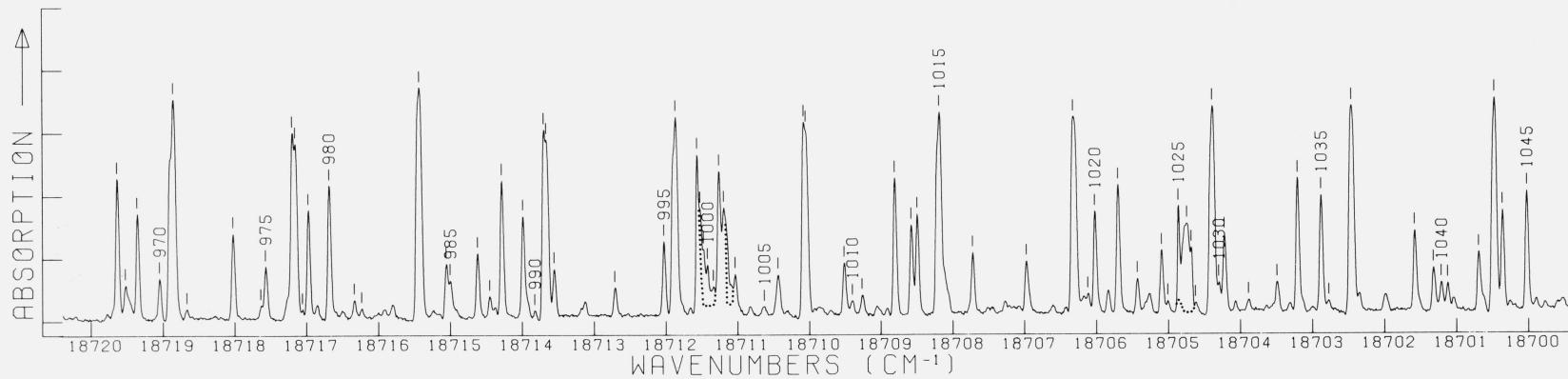


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LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT
792	18760.421	0.442	R 22	(31-0)	812	18756.660	6.664	R129	(35-0)	829	18752.303				18748.387				18744.052
	0.412	P 19	(31-0)			18756.525				830	18752.140	2.144	R116	(34-0)	18748.302				4.056 R101 (33-0)
793	18760.207	0.210	R140	(36-0)	813	18756.294	6.369	P157	(38-0)	831	18751.834	1.837	R 33	(31-0)	852	18748.160	8.185	P150	(37-0)
794	18760.118	0.116	P 60	(32-0)		18756.525	6.293	R 97	(33-0)		18751.977	1.795	P 30	(31-0)	853	18747.944	8.157	R131	(35-0)
	0.072	R150	(37-0)		814	18756.159	6.193	R 28	(31-0)		18751.560	1.572	R160	(34-0)	854	18747.826	7.849	P 97	(33-0)
795	18759.935	9.943	R 71	(32-0)		18755.816	6.155	P 25	(31-0)		18751.396	1.394	P 72	(32-0)	855	18747.776	7.773	R 37	(31-0)
9.907	P 93	(33-0)		815	18755.816	5.817	P 70	(32-0)		18751.202	1.200	R 75	(32-0)	856	18747.670			18743.190	
796	18759.795	9.808	R 23	(31-0)		18755.634	5.633	R 73	(32-0)	835	18751.108				18742.908	2.907	P151	(37-0)	
9.776	P 20	(31-0)		816	18755.481	5.484	R141	(36-0)	836	18750.880	0.912	P 96	(33-0)	856	18747.244				
18759.678				817	18755.375	5.381	R 29	(31-0)		18750.880	0.877	R 34	(31-0)	857	18747.164	7.164	R100	(33-0)	
797	18759.453	9.454	R114	(34-0)		18755.375	5.342	P 28	(31-0)	837	18750.835	0.834	P 31	(31-0)	858	18746.850	6.848	P 74	(32-0)
798	18759.271	9.272	R 96	(33-0)		18754.858	4.862	R151	(37-0)	838	18750.715	0.721	R142	(36-0)	859	18746.668	6.739	R 38	(31-0)
799	18759.119	9.144	R 24	(31-0)		18754.729	4.732	P171	(40-0)		18750.715	0.700	P158	(38-0)	860	18746.650	6.694	P 35	(31-0)
	9.111	P 21	(31-0)		820	18754.501	4.539	R 31	(31-0)		18750.593				18741.963	1.961	R 79	(32-0)	
18758.971						4.500	P 27	(31-0)	839	18750.535				18741.732					
800	18758.865	8.878	R166	(39-0)		4.451	P127	(35-0)		18750.427				18741.732					
801	18758.650	8.659	P126	(35-0)		18753.942	3.942	R 93	(33-0)	840	18750.236	0.239	R 99	(33-0)	861	18746.024	6.024	P115	(34-0)
	8.641	P164	(39-0)			18753.942	3.942	R 93	(33-0)		18750.236	0.208	P128	(35-0)	862	18745.926	5.930	P129	(35-0)
	8.628	P148	(37-0)		821	18753.626	3.668	R 31	(31-0)	841	18750.145				18741.625	1.627	P 99	(33-0)	
802	18758.569	8.451	R 25	(31-0)		3.628	P 28	(31-0)		18750.066				18741.625	1.617	P130	(35-0)		
803	18758.440	8.451	R 25	(31-0)		3.621	P 71	(32-0)	842	18749.886	9.887	R 35	(31-0)	863	18745.631	5.631	R 39	(31-0)	
	8.417	P 22	(31-0)			3.432	R 74	(32-0)	843	18749.848	9.883	P 32	(31-0)	864	18745.584	5.585	P 38	(31-0)	
804	18758.318	8.322	P138	(36-0)		3.432	R 74	(32-0)	844	18749.742	9.793	P114	(34-0)	865	18745.334				
18758.230					823	18753.431	3.428	P113	(34-0)	845	18749.608	9.614	R152	(37-0)	866	18744.990	4.990	P159	(38-0)
805	18757.984	7.982	P 69	(32-0)		3.426	P149	(37-0)	846	18749.470				18744.895	4.895	P 851	(40-0)		
806	18757.806	7.804	R 72	(32-0)		3.283	R 98	(33-0)	824	18753.281	3.283	R 98	(33-0)	867	18744.754	4.754	P 98	(33-0)	
807	18757.699	7.728	R 26	(31-0)		2.765	R 23	(31-0)	825	18753.082	2.772	R167	(39-0)	868	18744.702	4.698	R118	(34-0)	
	7.693	P 23	(31-0)			18753.014			826	18752.727	2.772	R 167	(39-0)	869	18744.510	4.529	P 75	(32-0)	
18757.459								827	18752.727	2.772	R 167	(39-0)	849	18748.823	8.867	R 36	(31-0)		
808	18757.303									849	18748.823	8.823	P 33	(31-0)	870	18744.445	4.446	P 37	(31-0)
809	18757.212	7.256	R159	(38-0)						850	18748.672	8.438	R117	(34-0)	871	18744.320	4.328	R153	(37-0)
810	18757.079	7.080	P112	(34-0)						851	18748.437	8.438			872	18744.200	4.317	R 78	(32-0)
811	18756.946	6.975	R 27	(31-0)										873	18743.848	3.851	R132	(35-0)	
	6.940	P 94	(33-0)											874	18743.325	3.324	R 41	(31-0)	
	6.939	P 24	(31-0)		828	18752.462	2.428	R130	(35-0)	851	18748.437	8.438			875	18743.278	3.277	P 38	(31-0)

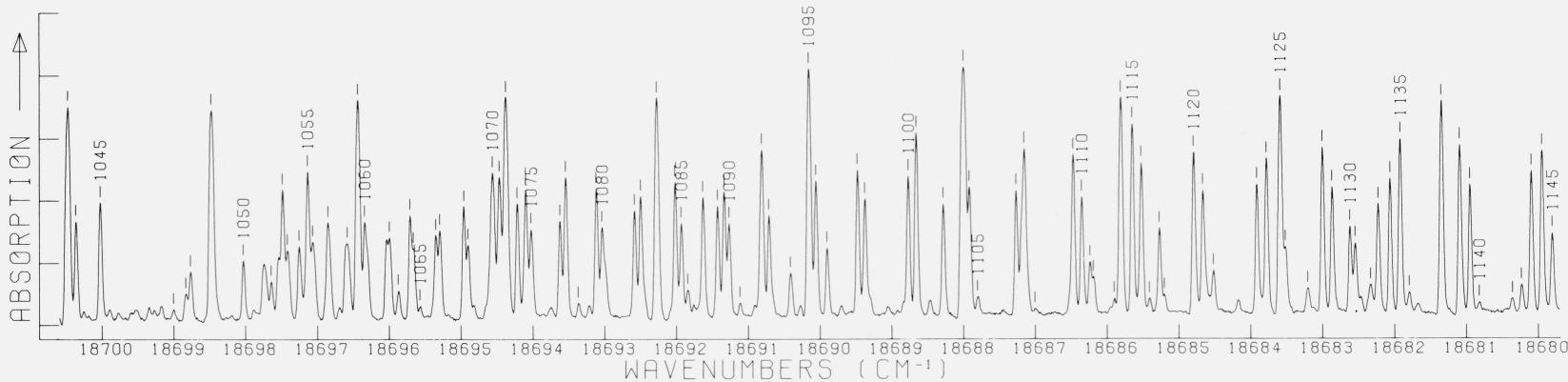


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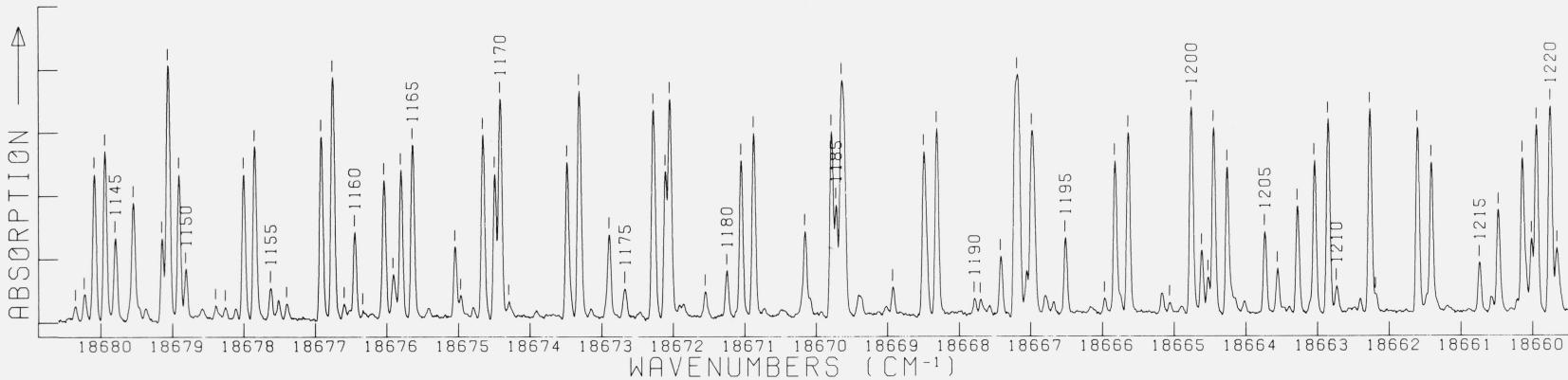


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LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT
967	18719.636	9.636	P 85	(32-0)	984	18715.167	5.168	P171	(39-0)	1004	18710.832	1.038	P124	(34-0)	1019	18706.123	6.226	R160	(37-0)
968	18719.521	9.524	P135	(35-0)	985	18715.003	5.000	P123	(34-0)	1005	18710.630	0.635	R167	(38-0)	1018	18706.123	6.183	R151	(36-0)
969	18719.357	9.356	R 88	(32-0)	986	18714.623	4.625	R110	(33-0)	1006	18710.435	0.439	P137	(35-0)	1020	18706.025	6.024	P 90	(32-0)
970	18719.049	9.049	P122	(34-0)	987	18714.454	4.461	P147	(36-0)	1007	18710.076	0.077	R 63	(31-0)	1021	18705.848	5.844	P138	(35-0)
971	18718.856	8.905	R 58	(31-0)	988	18714.389	4.285	P 87	(32-0)	1008	18710.049	0.038	P 60	(31-0)	1022	18705.703	5.705	R 93	(32-0)
			P 55	(31-0)	989	18713.990	3.989	R 90	(32-0)	1009	18709.884	9.882	P165	(38-0)	1023	18705.097	5.099	P110	(33-0)
			P 106	(33-0)	990	18713.827	3.827			1010	18709.399	9.515	R127	(34-0)	1024	18705.010	5.012	R 22	(37-2)
972	18718.665	7.309	R158	(37-0)	991	18713.698	3.698	R 61	(31-0)	1011	18709.261	9.403	P148	(36-0)	1025	18704.872	4.873	P158	(37-0)
973	18718.024	8.026	R109	(33-0)	992	18713.663	3.657	P 58	(31-0)	1012	18708.810	8.809	P 89	(32-0)	1026	18704.744	4.582	P109	(33-0)
974	18717.636	7.156	R 58	(31-0)	993	18713.557	3.561	R126	(34-0)	1013	18708.580	8.582	P109	(33-0)	1027	18704.684	4.498	R 92	(32-0)
975	18717.571	7.572	R125	(34-0)	994	18713.137	3.137			1014	18708.497	8.498	R 64	(31-0)	1028	18704.624	4.622	P 20	(37-2)
18717.277					995	18712.712	2.712	R139	(35-0)	1015	18708.186	8.221	R 64	(31-0)	1029	18704.389	4.419	R 66	(31-0)
					996	18711.863	1.903	R 62	(31-0)	1016	18707.725	7.726	R112	(33-0)	1030	18704.302	4.308	P149	(36-0)
976	18717.200	7.199	R 59	(31-0)	997	18711.565	1.563	P 88	(32-0)	1017	18706.977	6.981	P125	(34-0)	1031	18704.226	4.302	R 23	(37-2)
977	18717.158	7.156	P 56	(31-0)	998	18711.523	1.523	*****		1018	18706.437	6.947	R 19	(37-2)	1032	18703.889	3.906	P 21	(37-2)
978	18717.058				999	18711.475	1.475	*****		1019	18706.327	6.335	R 65	(31-0)	1033	18703.494	3.888	P166	(38-0)
979	18716.977	6.976	P 86	(32-0)	1000	18711.419	1.419	*****		1020	18706.622	6.620	P 17	(37-2)	1034	18703.324	3.145	P 22	(37-2)
18716.866					1001	18711.340	1.340	*****		1021	18706.437	6.335	R 20	(37-2)	1035	18703.208	3.145	P 22	(37-2)
980	18716.689	6.688	R 89	(32-0)	1002	18711.260	1.260	ARTIFACT		1022	18706.327	6.335	R 20	(37-2)	1036	18702.882	2.890	P126	(34-0)
18716.604					1003	18711.193	1.193	ARTIFACT		1023	18706.237	6.299	P 62	(31-0)	1037	18702.458	2.444	R 94	(32-0)
18716.508									1024	18705.010	5.012	R 22	(37-2)	1038	18701.582	1.583	P111	(33-0)	
981	18716.338	6.342	R149	(36-0)					1025	18704.864	4.873	P158	(37-0)	1039	18701.321	1.321	R129	(34-0)	
982	18716.236				1004	18711.383			1026	18704.744	4.582	P109	(33-0)	1040	18701.213	1.213	P139	(35-0)	
18715.929	5.934	P156	(37-0)		1005	18711.340	1.340	ARTIFACT		1027	18704.684	4.498	R 92	(32-0)	1041	18701.125	1.133	R 27	(37-2)
18715.815	5.835	P164	(38-0)		1006	18711.260	1.260	ARTIFACT		1028	18704.624	4.633	P 20	(37-2)	1042	18700.692	0.696	R114	(33-0)
983	18715.430	5.464	R 60	(31-0)	1007	18711.193	1.193	ARTIFACT		1029	18704.389	4.419	R 66	(31-0)	1043	18700.471	0.497	R 68	(31-0)
		5.450	P107	(33-0)					1030	18704.302	4.308	P149	(36-0)	1044	18700.361	0.361	P 92	(32-0)	
		5.421	P 57	(31-0)					1031	18704.226	4.227	R113	(33-0)	1045	18700.024	0.024	R 95	(32-0)	

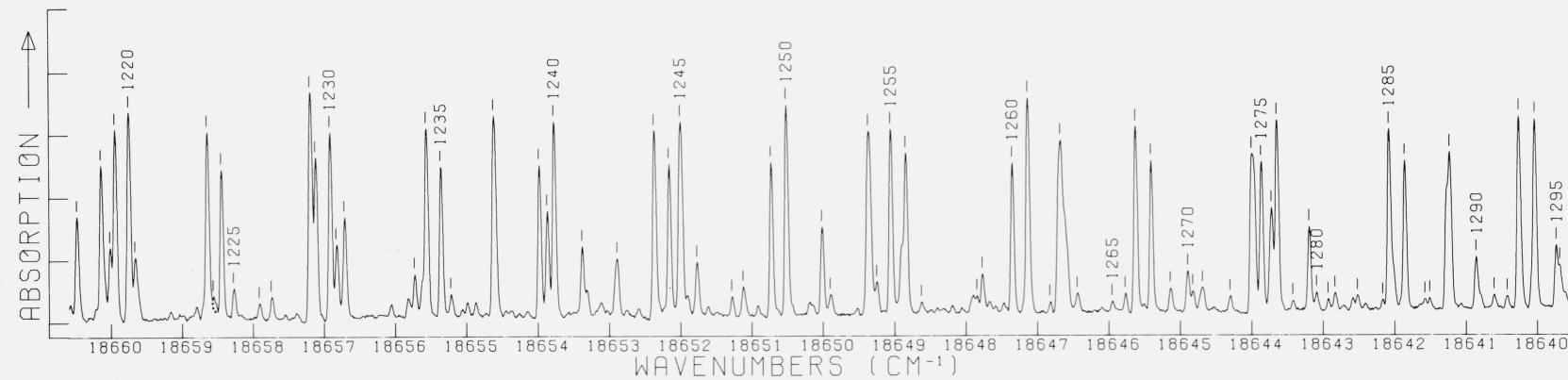


LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT				
1043	18700.471	0.497	R 68	(31-0)	1056	18697.064	7.073	R 8	(30-0)	1076	18693.622	3.655	P 160	(37-0)	1099	18689.375	9.395	P 144	(35-0)	1121	18684.666	4.667	P 28	(30-0)				
		0.466	P 65	(31-0)			7.042	P 5	(30-0)			3.655	P 160	(37-0)			9.374	P 22	(30-0)			4.624	R 145	(35-0)				
1044	18700.361	0.361	P 92	(32-0)	1057	18696.853	6.906	P 29	(37-2)	1077	18693.541	3.545	P 15	(30-0)	1100	18688.772	8.797	P 152	(36-0)	1122	18684.517	4.570	R 42	(37-2)				
1045	18700.024	0.024	R 95	(32-0)			6.823	P 6	(30-0)			3.534	P 116	(33-0)			8.772	R 132	(34-0)			4.520	R 133	(34-0)				
		18699.900				18696.704					1078	18693.367					8.770	R 26	(30-0)			18683.855	3.854	P 40	(37-2)			
	18699.778	9.777	P 26	(37-2)	1058	18696.583	6.615	R 10	(30-0)	1079	18693.223	3.221	R 35	(37-2)	1101	18688.661	8.662	P 23	(30-0)	1124	18683.781	3.781	P 29	(30-0)				
	18699.605					6.574	P 7	(30-0)			1080	18693.035	3.036	P 16	(30-0)			8.658	P 96	(32-0)			3.600	R 76	(31-0)			
	18699.536					6.546	P 140	(35-0)				2.989	R 131	(34-0)			8.684	P 745	8.475	R 39	(37-2)			3.586	P 73	(31-0)		
	18699.353	9.352	R 29	(37-2)	1059	18696.434	6.454	R 70	(31-0)	1081	18692.584	2.620	P 33	(37-2)	1102	18688.283	8.285	R 99	(32-0)				3.585	R 164	(37-0)			
	18699.282	9.283	P 159	(37-0)		6.434	R 32	(37-2)			6.427	P 67	(31-0)			2.582	R 20	(30-0)	1103	18688.000	8.033	R 27	(30-0)			3.552	P 153	(36-0)
1046	18699.003				1060	18696.340	6.342	R 11	(30-0)	1082	18692.499	2.498	P 17	(30-0)			8.006	R 74	(31-0)	1126	18683.515	3.514	P 116	(33-0)				
1047	18698.832	8.852	P 27	(37-2)		6.297	P 8	(30-0)	1083	18692.274	2.290	R 72	(31-0)			7.987	P 161	(37-0)	1127	18683.204	3.202	R 43	(37-2)					
	8.830	R 142	(35-0)	1061	18695.995	6.040	R 12	(30-0)			5.991	P 9	(30-0)			2.267	R 69	(31-0)	1104	18687.921	7.921	P 24	(30-0)					
1048	18698.765	8.766	P 127	(34-0)		5.991	P 9	(30-0)	1084	18692.019	2.084	R 36	(37-2)			2.019	R 21	(30-0)	1105	18687.805	7.808	P 37	(37-2)					
1049	18698.477	8.567	R 169	(38-0)	1062	18695.872	5.884	P 30	(37-2)			5.874	R 153	(36-0)			2.019	R 21	(30-0)	1106	18687.268	7.267	R 28	(30-0)				
	8.491	R 69	(31-0)			8.461	P 66	(31-0)	1063	18695.708	5.709	R 13	(30-0)	1085	18691.931	1.931	P 18	(30-0)	1107	18687.155	7.206	R 40	(37-2)					
	8.412	P 30	(37-2)	1064	18695.662	5.656	P 10	(30-0)	1086	18691.894	1.894	P 143	(34-0)			1.894	P 115	(33-0)	1132	18682.330	2.330	P 143	(35-0)					
1050	18698.032	8.034	P 112	(33-0)	1065	18695.572	5.396	R 33	(37-2)	1087	18691.631	1.631	P 95	(32-0)			7.151	P 25	(30-0)			2.280	P 162	(37-0)				
	18697.894	7.896	P 28	(37-2)	1066	18695.350	5.349	R 14	(30-0)	1088	18691.428	1.466	P 34	(37-2)	1108	18687.003	7.105	P 142	(35-0)	1133	18682.225	2.226	R 101	(32-0)				
	CALC	*****	7.152	P 167	(38-0)		5.349	R 14	(30-0)			1.427	R 22	(30-0)			6.523	P 38	(37-2)	1134	18682.061	2.061	R 34	(30-0)				
	CALC	*****	7.767	R 1	(30-0)	1067	18695.294	5.291	P 11	(30-0)			1.427	R 22	(30-0)	1109	18686.473	6.472	R 29	(30-0)	1135	18681.920	1.925	P 131	(34-0)			
	CALC	*****	7.755	R 2	(30-0)	1068	18694.961	4.985	R 162	(37-0)	1089	18691.336	1.335	P 19	(30-0)			6.472	R 29	(30-0)	1130	18682.619	2.619	P 98	(32-0)			
	CALC	*****	7.750	0	(30-0)		4.961	R 15	(30-0)	1090	18691.267	1.267	R 98	(32-0)			6.472	R 29	(30-0)	1131	18682.544	2.543	R 119	(33-0)				
	CALC	*****	7.714	R 3	(30-0)	1069	18694.901	4.898	P 12	(30-0)	1091	18691.116					6.330	R 171	(38-0)			1.802	R 44	(37-2)				
1051	18697.644	7.643	R 4	(30-0)	1070	18694.830	4.828	P 31	(37-2)			1.8690.915	0.914	P 37	(37-2)	1111	18686.237	6.240	R 118	(33-0)	1136	18681.793	1.802	P 44	(37-2)			
	7.630	P 3	(30-0)			4.607	P 128	(34-0)	1092	18690.810	0.840	P 114	(33-0)			6.330	R 186	(38-0)			1.340	P 74	(31-0)					
1052	18697.483	7.544	R 5	(30-0)	1070	18694.560	4.572	P 94	(32-0)			0.807	R 23	(30-0)	1113	18685.991	5.905	R 41	(37-2)	1137	18681.346	1.351	R 77	(31-0)				
	7.526	P 2	(30-0)			4.543	R 16	(30-0)	1093	18690.710	0.710	P 20	(30-0)	1114	18685.810	5.818	R 75	(31-0)			1.053	P 42	(37-2)					
	7.482	P 93	(32-0)	1071	18694.465	4.476	P 13	(30-0)			0.662	R 154	(36-0)			5.802	P 72	(31-0)	1139	18680.947	0.948	P 32	(30-0)					
	7.440	P 31	(37-2)			4.453	P 113	(33-0)	1094	18690.410	0.414	P 129	(34-0)			5.657	P 169	(38-0)	1140	18680.818								
	7.416	R 6	(30-0)	1072	18694.375	4.387	R 71	(31-0)			0.279	P 35	(37-2)			5.654	P 97	(32-0)	1141	18680.358	0.368	R 45	(37-2)					
	7.394	P 3	(30-0)			4.362	P 68	(31-0)	1095	18690.155	0.163	R 73	(31-0)			5.648	R 30	(30-0)	1142	18680.234	0.233	R 134	(34-0)					
1054	18697.254	7.259	T 7	(30-0)	1073	18694.216	4.218	R 97	(32-0)			0.157	R 24	(30-0)	1116	18685.523	5.524	P 27	(30-0)	1143	18680.094	0.149	R 172	(38-0)				
	7.232	P 2	(30-0)			4.325	R 34	(37-2)			0.142	P 70	(31-0)	1117	18685.410	5.412	R 155	(36-0)			0.125	R 156	(36-0)					
1055	18697.134	7.172	R 130	(34-0)	1074	18694.098	4.130	R 143	(35-0)	1096	18690.057	0.056	P 21	(30-0)	1118	18685.270	5.272	R 100	(32-0)			0.093	R 36	(30-0)				
	7.137	P 96	(32-0)			4.096	R 17	(30-0)	1097	18689.902	9.903	R 117	(33-0)			1119	18685.200	5.205	P 39	(37-2)	1144	18679.946	9.946	P 33	(30-0)			
	7.131	R 115	(33-0)	1075	18694.024	4.025	P 14	(30-0)			1098	18689.478	9.478	R 25	(30-0)	1120	18684.795	4.795	R 31	(30-0)	1145	18679.802	9.816	R 146	(35-0)			
						4.005	P 151	(36-0)									9.801	P 117	(33-0)									



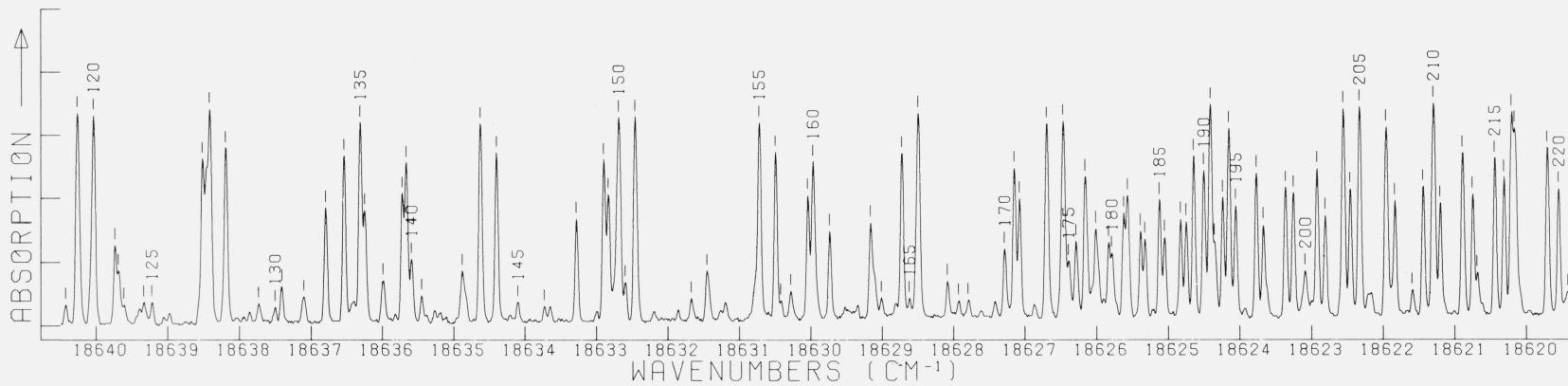
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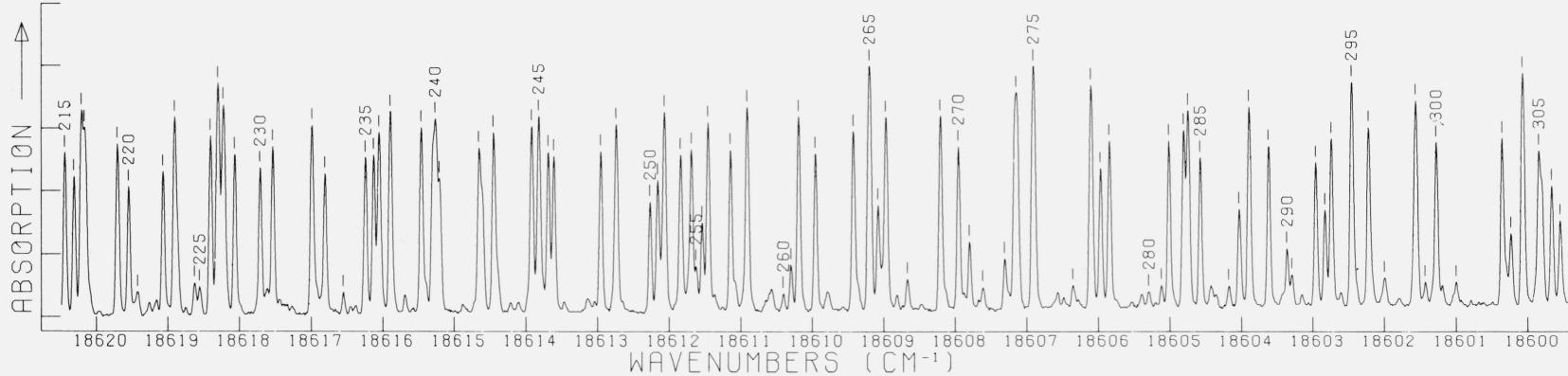
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1142	18680, 234	0,233	R134 (34-0)		1160	18676, 452	6,453	P100 (32-0)		1177	18672, 114	2,115	P 40 (30-0)		1191	18667, 706	7,707	R 53 (37-2)		1206	18663, 562	3,563	R124 (33-0)	
1143	18680, 094	0,194	R172 (38-0)		1161	18676, 336	5,125	P101 (31-0)		1178	18672, 053	2,055	P 78 (31-0)		1192	18667, 425	7,426	R123 (33-0)		1207	18663, 285	3,289	P 53 (37-2)	
	0,125	R156 (36-0)		1162	18676, 043	6,056	P118 (33-0)		1179	18671, 902	1,859	P 41 (31-0)		1193	18667, 190	7,230	P 80 (31-0)		1208	18663, 048	3,048	R 50 (30-0)		
	0,093	R136 (30-0)				6,004	R103 (32-0)			1180	18671, 865	1,859	P 48 (37-2)		1194	18667, 190	7,222	R 83 (31-0)		1209	18662, 857	2,873	P147 (35-0)	
1144	18679, 946	9,946	R 33 (50-0)		1163	18675, 913	5,911	R135 (34-0)		1181	18671, 254	1,255	R122 (33-0)		1195	18666, 522	6,524	R106 (32-0)		1210	18662, 738	2,738	R138 (34-0)	
1145	18679, 802	9,810	R149 (35-0)		1164	18675, 798	5,807	R 40 (30-0)		1182	18670, 680	0,880	P 44 (30-0)		1196	18665, 975	5,975	R 54 (37-2)		1211	18662, 412	2,411	R 56 (37-2)	
	9,801	P119 (33-0)		1165	18675, 645	5,646	P 37 (30-0)		1183	18670, 160	0,212	P 49 (37-2)		1197	18665, 833	5,834	R 48 (30-0)		1212	18662, 273	2,284	P 82 (31-0)		
1146	18679, 550	9,603	P 43 (37-2)		1166	18675, 484	5,056	P 46 (37-2)		1184	18670, 055	1,071	R 51 (37-2)		1198	18665, 647	5,648	P 45 (30-0)		1213	18662, 192	2,194	P157 (36-0)	
	9,551	R 99 (32-0)		1167	18675, 430	5,056	P 46 (37-2)		1185	18670, 098	0,091	R148 (35-0)		1199	18665, 065	5,069	P 52 (37-2)		1214	18661, 611	1,611	R 51 (30-0)		
	18679, 484	9,497	P170 (38-0)		1168	18674, 662	4,662	R 41 (30-0)		1186	18670, 485	0,161	P102 (32-0)		1200	18664, 765	4,772	P 81 (31-0)		1215	18660, 743	0,765	P173 (38-0)	
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	9,065	R 37 (30-0)		1171	18674, 299	4,302	R 49 (37-2)		1189	18668, 322	8,322	P 43 (30-0)		1203	18664, 454	4,456	R 49 (30-0)		1221	18660, 145	0,145	R 52 (30-0)		
	9,064	P 75 (31-0)		1172	18673, 487	3,489	R 42 (30-0)		1190	18668, 932	8,933	P134 (34-0)		1204	18664, 266	4,267	P 46 (30-0)		1222	18660, 145	0,145	R 52 (30-0)		
1149	18678, 914	8,915	P 34 (30-0)		1173	18673, 318	3,323	P101 (32-0)		1191	18668, 500	8,531	P 50 (37-2)		1205	18664, 217	4,210	R 55 (37-2)		1223	18660, 145	0,145	P136 (34-0)	
	8,901	R 46 (37-2)		1174	18672, 898	2,949	P155 (36-0)		1192	18668, 932	8,933	P134 (34-0)		1206	18664, 164	4,164	P 43 (30-0)		1224	18660, 017	0,00	R108 (32-0)		
1150	18678, 814	8,814	R120 (33-0)		1175	18672, 679	2,703	R 50 (37-2)		1193	18668, 322	8,322	P 43 (30-0)		1207	18664, 531	4,534	P135 (34-0)		1225	18660, 017	0,00	R108 (32-0)	
1151	18678, 396	7,825	R165 (37-0)		1176	18673, 922	3,925	R173 (38-0)		1194	18669, 727	0,728	R105 (32-0)		1208	18664, 454	4,456	R 49 (30-0)		1226	18660, 755	9,765	P 83 (31-0)	
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	8,120	P 44 (37-2)		1178	18673, 487	3,474	P 47 (37-2)		1196	18669, 065	5,069	P 52 (37-2)		1210	18664, 765	4,772	P 81 (31-0)		1228	18660, 017	0,00	R108 (32-0)		
1153	18678, 007	8,008	R 38 (50-0)		1179	18673, 318	3,323	P101 (32-0)		1197	18669, 727	0,728	R105 (32-0)		1211	18664, 531	4,534	P135 (34-0)		1229	18660, 948	9,949	P 49 (30-0)	
1154	18677, 853	7,854	P 35 (50-0)		1180	18673, 318	3,321	P 39 (30-0)		1198	18669, 410	9,435	R158 (36-0)		1212	18664, 454	4,456	R 49 (30-0)		1230	18660, 220	0,221	R150 (35-0)	
	7,854	P 35 (50-0)		1181	18673, 318	3,298	P133 (34-0)		1199	18669, 410	9,435	R158 (36-0)		1213	18664, 454	4,456	R 49 (30-0)		1231	18660, 220	0,221	R150 (35-0)		
1155	18677, 625	7,652	R 52 (30-0)		1182	18673, 157	3,295	P171 (38-0)		1200	18669, 031	9,435	R158 (36-0)		1214	18664, 907	4,920	P165 (37-0)		1232	18660, 220	0,221	R150 (35-0)	
	7,520	P146 (35-0)		1183	18672, 898	2,949	P155 (36-0)		1201	18669, 410	9,435	R158 (36-0)		1215	18664, 217	4,210	R 55 (37-2)		1233	18660, 220	0,221	R150 (35-0)		
1156	18677, 399	7,501	R 47 (37-2)		1184	18672, 898	2,900	R104 (32-0)		1202	18669, 410	9,435	R158 (36-0)		1216	18664, 164	4,164	P 43 (30-0)		1234	18660, 220	0,221	R150 (35-0)	
1157	18676, 922	6,922	R 39 (30-0)		1185	18672, 679	2,703	R 50 (37-2)		1203	18669, 410	9,435	R158 (36-0)		1217	18664, 217	4,210	R 55 (37-2)		1235	18660, 220	0,221	R150 (35-0)	
1158	18676, 761	6,765	P 36 (30-0)		1186	18672, 679	2,674	P145 (35-0)		1204	18669, 410	9,435	R158 (36-0)		1218	18664, 217	4,210	R 55 (37-2)		1236	18660, 220	0,221	R150 (35-0)	
	6,765	R 79 (31-0)		1187	18668, 932	8,933	P134 (34-0)		1205	18669, 410	9,435	R158 (36-0)		1219	18664, 164	4,164	P 43 (30-0)		1237	18660, 220	0,221	R150 (35-0)		
	6,758	P 76 (31-0)		1188	18668, 500	8,531	P 50 (37-2)		1206	18669, 410	9,435	R158 (36-0)		1220	18664, 029	4,033	R159 (36-0)		1238	18660, 220	0,221	R150 (35-0)		



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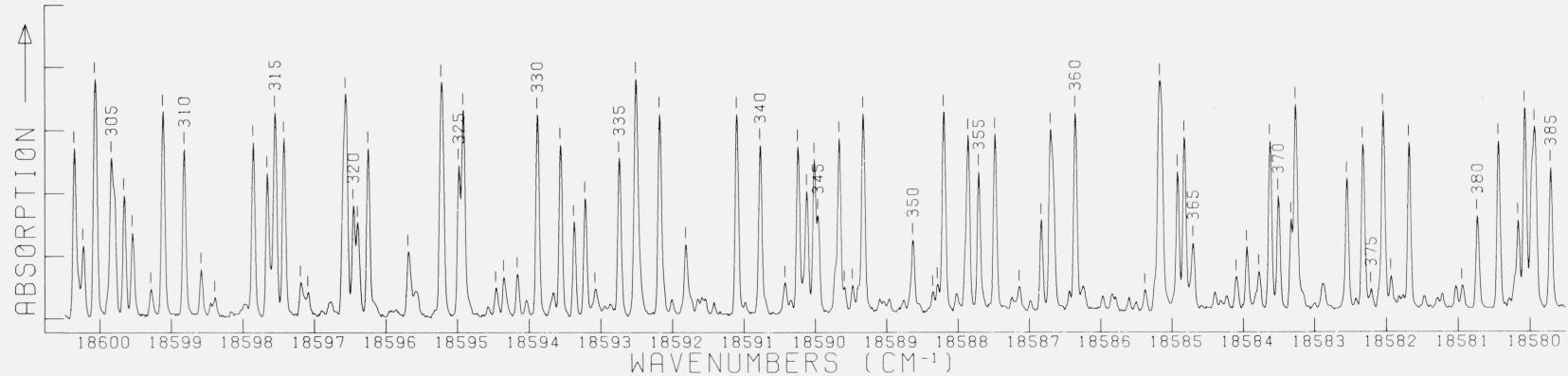
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1216	18660.483	0.486	P105 (32-0)		1234	18655.570	5.571	R 55 (30-0)		1246	18651.906	1.911	P 59 (37-2)		1258	18647.905	7.934	R 23 (36-2)		1276	18643.727	3.750	R129 (33-0)		
	18660.300	0.302	R168 (37-0)		1235	18655.366	5.367	P 52 (30-0)		1236	18655.226	5.231	R151 (35-0)		1247	18651.773	1.810	P 14 (36-2)		1259	18647.776	7.779	R128 (33-0)		
	18660.220	0.221	R150 (35-0)			18655.074					18651.624	1.621	R 17 (36-2)			1250	18647.679				1277	18643.648	3.659	P 63 (37-2)	
1217	18660.145	0.145	R 52 (30-0)			18655.000	4.998	R176 (38-0)		1248	18651.125	1.287	P 15 (36-2)		1259	18647.595	7.595	R162 (36-0)		1278	18643.425	3.426	P 26 (36-2)		
1218	18660.017	0.020	R108 (32-0)			18654.883	4.885	R 60 (37-2)		1249	18651.024	1.287	P159 (36-0)		1260	18647.558	7.360	R 60 (30-0)		1279	18643.197	3.201	R113 (32-0)		
1219	18659.948	9.948	P 49 (30-0)		1237	18654.622	4.637	P 55 (31-0)		1250	18651.024	1.086	R 18 (36-2)		1261	18647.141	7.207	R 24 (36-2)		1280	18643.092	3.090	R 29 (36-2)		
1220	18659.755	9.765	P 83 (31-0)			18654.520	4.609	R 88 (31-0)		1251	18650.922	0.922	R 62 (37-2)		1262	18647.095	7.201	P168 (37-0)		1281	18642.931				
1221	18659.663	9.668	R125 (33-0)			18654.379	4.380	R169 (37-0)		1252	18650.732	0.733	R 58 (30-0)		1263	18647.095	7.201	P168 (37-0)		1282	18642.855	2.836	P151 (35-0)		
	9.629	P 55 (37-2)			18654.276	4.271	P 8 (36-2)		1253	18650.520	0.525	P108 (32-0)		1264	18646.825	6.825	R 64 (37-2)		1283	18642.711					
	18659.167				18654.157	4.153	R 11 (36-2)		1254	18650.520	0.525	P108 (32-0)		1265	18646.825	6.825	R 64 (37-2)		1284	18642.587	2.594	R 66 (37-2)			
	18659.043	9.054	P166 (37-0)		1238	18653.986	3.988	P 56 (30-0)		1255	18650.199	0.204	R152 (35-0)		1266	18646.825	6.825	R 64 (37-2)		1285	18642.520	2.519	P 27 (36-2)		
	18658.992					18653.876	3.890	P 58 (37-2)		1256	18650.199	0.204	R152 (35-0)		1267	18646.681	6.734	P 22 (36-2)		1286	18642.411	2.415	R171 (37-0)		
1222	18658.804				1239	18653.876	3.890	P 58 (37-2)		1257	18650.199	0.204	R152 (35-0)		1268	18646.681	6.734	P 22 (36-2)		1287	18642.377	2.381	R 30 (36-2)		
1223	18658.648	8.715	R 58 (37-2)		1240	18653.780	3.811	R 12 (36-2)		1258	18650.020	0.025	R111 (32-0)		1269	18646.681	6.715	P 88 (31-0)		1288	18641.858	1.861	P 60 (30-0)		
	8.650	R 53 (30-0)				18653.780	3.811	R 12 (36-2)		1259	18650.020	0.025	R111 (32-0)		1270	18646.443	6.448	R 25 (36-2)		1289	18641.577	1.579	P 28 (36-2)		
	8.592	R160 (36-0)				3.782	R140 (34-0)			1260	18646.443	6.448	R 25 (36-2)		1271	18646.443	6.448	R 25 (36-2)		1290	18640.858	0.861	P127 (33-0)		
	18658.562	*****	ARTIFACT			3.781	P 53 (30-0)			1261	18646.443	6.448	R 25 (36-2)		1272	18646.443	6.448	R 25 (36-2)		1291	18640.608	0.608	P 29 (36-2)		
1224	18658.449	8.451	P 50 (30-0)		1241	18653.585	3.579	P 10 (36-2)		1262	18646.443	6.448	R 25 (36-2)		1273	18646.443	6.448	R 25 (36-2)		1292	18640.424	0.428	R 67 (37-2)		
1225	18658.277	8.278	R139 (34-0)			3.437	R 13 (36-2)			1263	18646.443	6.448	R 25 (36-2)		1274	18646.443	6.448	R 25 (36-2)		1293	18640.262	0.277	P111 (32-0)		
1226	18657.916	7.918	P148 (35-0)			3.394	R110 (32-0)			1264	18646.443	6.448	R 25 (36-2)		1275	18646.443	6.448	R 25 (36-2)		1294	18640.129	0.130	R 93 (31-0)		
1227	18657.746	7.749	P 56 (37-2)			18653.322	3.184	P 11 (36-2)		1265	18646.443	6.448	R 25 (36-2)		1276	18646.443	6.448	R 25 (36-2)		1295	18639.736	9.741	R114 (32-0)		
	18657.567				18653.118	3.184	P 11 (36-2)		1266	18646.443	6.448	R 25 (36-2)		1277	18646.443	6.448	R 25 (36-2)		1296	18639.687	9.686	R130 (33-0)			
	18657.397					3.147	R167 (37-0)			1267	18646.443	6.448	R 25 (36-2)		1278	18646.443	6.448	R 25 (36-2)		1297	18639.641	9.604	P 30 (36-2)		
1228	18657.199	7.216	P 84 (31-0)		1242	18653.033	3.113	R161 (36-0)		1268	18646.443	6.448	R 25 (36-2)		1279	18646.443	6.448	R 25 (36-2)		1298	18639.614	9.604	P 30 (36-2)		
	7.197	P106 (32-0)			3.031	R 14 (36-2)			1269	18646.443	6.448	R 25 (36-2)		1280	18646.443	6.448	R 25 (36-2)		1299	18639.577	9.577	P 30 (36-2)			
	7.193	R 87 (31-0)			2.927	P149 (35-0)			1270	18646.443	6.448	R 25 (36-2)		1281	18646.443	6.448	R 25 (36-2)		1300	18639.544	9.544	P 30 (36-2)			
	18657.124	7.125	R 54 (30-0)			2.920	R 61 (37-2)			1271	18646.443	6.448	R 25 (36-2)		1282	18646.443	6.448	R 25 (36-2)		1301	18639.511	9.511	P 30 (36-2)		
1230	18656.922	6.923	P 51 (30-0)			2.892	P124 (33-0)			1272	18646.443	6.448	R 25 (36-2)		1283	18646.443	6.448	R 25 (36-2)		1302	18639.478	9.478	P 30 (36-2)		
1231	18656.831	6.835	P123 (33-0)			18652.764	2.758	P 12 (36-2)		1273	18646.443	6.448	R 25 (36-2)		1284	18646.443	6.448	R 25 (36-2)		1303	18639.445	9.445	P 30 (36-2)		
	6.817	R 59 (37-2)			18652.597	2.593	P 15 (36-2)		1274	18646.443	6.448	R 25 (36-2)		1285	18646.443	6.448	R 25 (36-2)		1304	18639.412	9.412	P 30 (36-2)			
1232	18656.719	6.760	P158 (36-0)		1243	18652.373	2.375	R 57 (30-0)		1275	18646.443	6.448	R 25 (36-2)		1286	18646.443	6.448	R 25 (36-2)		1305	18639.379	9.379	P 30 (36-2)		
	6.720	R109 (32-0)			18652.311	2.300	P 13 (36-2)		1276	18646.443	6.448	R 25 (36-2)		1287	18646.443	6.448	R 25 (36-2)		1306	18639.346	9.346	P 30 (36-2)			
	18656.072				1244	18652.164	2.166	P 54 (30-0)		1277	18646.443	6.448	R 25 (36-2)		1288	18646.443	6.448	R 25 (36-2)		1307	18639.313	9.313	P 30 (36-2)		
	18655.824	5.836	P 57 (37-2)			2.123	R 16 (36-2)			1278	18646.443	6.448	R 25 (36-2)		1289	18646.443	6.448	R 25 (36-2)		1308	18639.280	9.280	P 30 (36-2)		
1233	18655.736	5.738	R126 (33-0)		1245	18652.005	2.027	P 86 (31-0)		1279	18646.443	6.448	R 25 (36-2)		1290	18646.443	6.448	R 25 (36-2)		1309	18639.247	9.247	P 30 (36-2)		
	18655.628	5.631	P137 (34-0)			1.995	R 89 (31-0)			1280	18646.443	6.448	R 25 (36-2)		1291	18646.443	6.448	R 25 (36-2)		1310	18639.214	9.214	P 30 (36-2)		



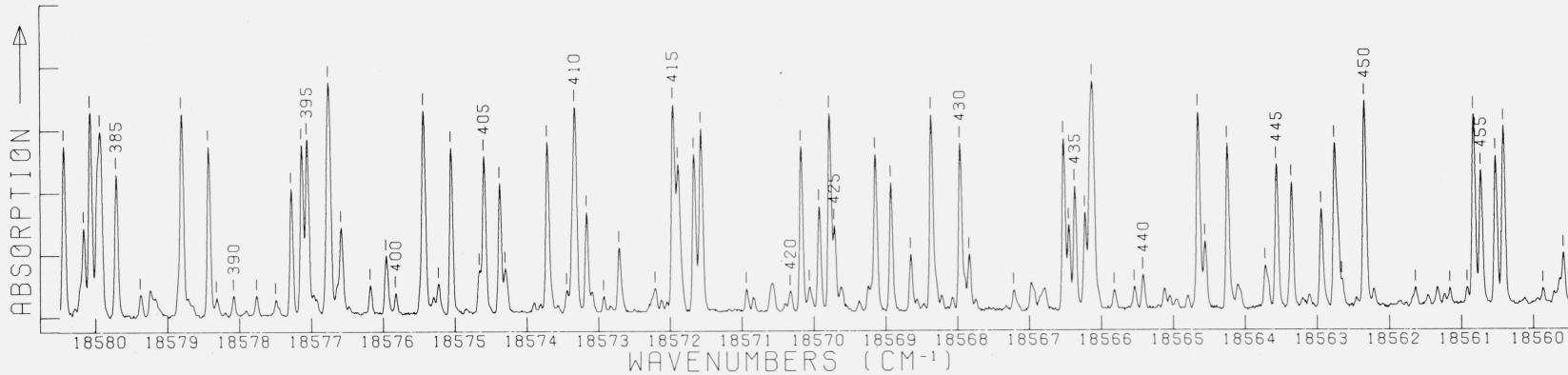


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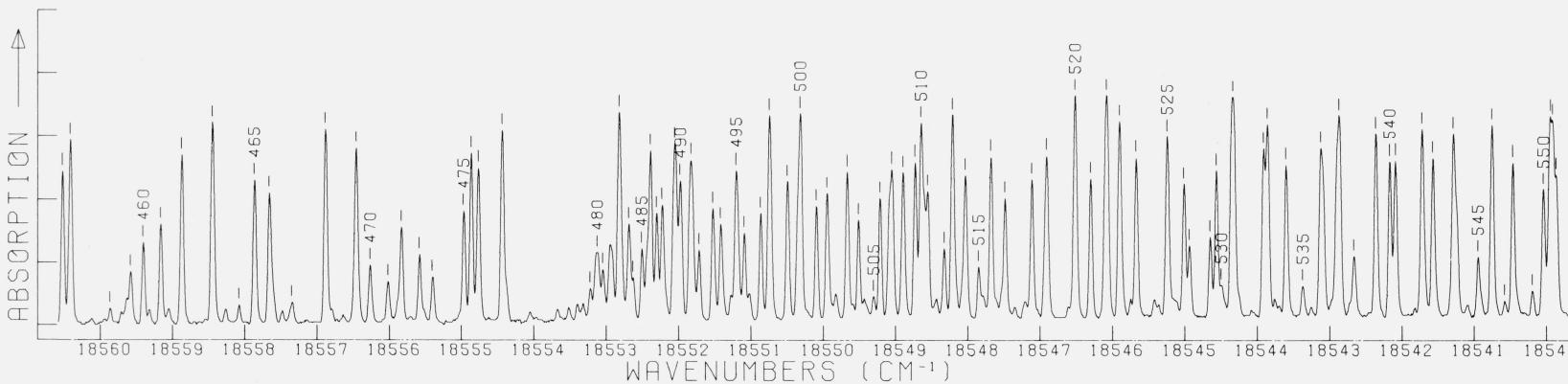
LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT							
215	18620.448	6.448	R 74	(30-0)	234	18616.554	6.549	R 148	(34-0)	250	18612.270	2.270	P 100	(31-0)	269	18608.211	8.210	R 37	(29-0)	288	18603.896	3.899	R 82	(37-2)		
216	18620.318	0.318	R 22	(29-0)		18616.450				251	18612.162	2.161	R 103	(31-0)	270	18607.960	7.961	P 34	(29-0)		3.896	R 41	(29-0)			
217	18620.214	0.216	P 71	(30-0)		18616.382				252	18612.069	2.067	R 33	(29-0)		7.947	P 78	(37-2)	289	18603.622	3.623	P 38	(29-0)			
218	18620.172	0.169	P 15	(29-0)	235	18616.246	6.245	R 28	(29-0)	253	18611.843	1.905	P 166	(36-0)		7.881	R 169	(36-0)	290	18603.366	3.365	R 124	(32-0)			
	0.143	P 132	(33-0)		236	18616.131	6.129	R 76	(30-0)		1.844	P 30	(29-0)	18607.677				291	18603.298	3.298	R 161	(35-0)				
	0.097	R 44	(36-2)		237	18616.054	6.055	P 25	(29-0)		1.814	R 79	(37-2)	272	18607.616	7.617	P 53	(36-2)		3.295	R 58	(36-2)				
219	18619.712	9.711	R 23	(29-0)		238	18615.898	5.899	P 133	(33-0)		1.782	R 176	(37-0)	273	18607.312	7.309	P 135	(33-0)	292	18602.966	2.966	P 103	(31-0)		
220	18619.554	9.555	P 20	(29-0)		239	18615.689	5.695	P 75	(37-2)	254	18611.692	1.736	R 149	(34-0)		7.175	R 38	(29-0)		2.964	P 136	(33-0)			
221	18619.426	9.424	R 167	(36-0)		240	18615.466	5.466	R 29	(29-0)		1.692	R 78	(30-0)	274	18607.150		7.149	R 123	(32-0)	293	18602.835	2.835	R 106	(31-0)	
	9.423	R 76	(37-2)		241	18615.270	5.310	P 9	(31-0)		1.683	P 157	(35-0)		7.135	R 80	(30-0)	294	18602.746	2.746	R 42	(29-0)				
	9.268	R 158	(35-0)		242	18615.213	5.247	P 118	(32-0)	255	18611.627	6.621	P 134	(33-0)	275	18606.910	6.919	P 35	(29-0)	295	18602.616	2.613	P 80	(37-2)		
222	18619.165	9.164	R 46	(36-2)		243	18614.456	4.456	R 51	(36-2)	256	18611.542	5.543	P 119	(32-0)		6.916	R 56	(36-2)	295	18602.463	2.467	P 59	(29-0)		
223	18619.074	9.075	R 26	(29-0)		244	18614.220	4.220	R 26	(29-0)	257	18611.459	1.459	P 75	(30-0)		6.903	P 77	(30-0)		2.459	R 82	(30-0)			
	8.919	P 117	(32-0)		245	18614.111	4.111	R 102	(31-0)	258	18611.146	1.145	R 34	(29-0)		6.887	R 150	(34-0)	296	18602.228	2.227	P 79	(30-0)			
	8.912	P 21	(29-0)		246	18614.058	4.058	R 30	(29-0)	259	18610.913	0.916	P 51	(36-2)		18606.573	6.572	R 81	(37-2)		2.182	P 56	(36-2)			
	8.864	R 135	(33-0)		247	18614.658	4.659	R 30	(29-0)	260	18610.407	0.407	R 54	(36-2)		18606.490		2.002	R 170	(36-0)						
224	18618.633	8.628	P 145	(34-0)		248	18614.468	4.468	R 121	(32-0)	261	18610.301	0.298	R 137	(33-0)		18606.358	6.362	P 158	(35-0)	297	18602.004	2.004	P 151	(34-0)	
225	18618.561	8.564	R 49	(36-2)		249	18614.256	4.256	P 98	(31-0)	262	18610.195	0.196	R 35	(29-0)		18606.107	6.124	P 167	(36-0)		18601.792		2.002	R 170	(36-0)
226	18618.411	8.410	R 25	(29-0)		250	18614.046	4.046	P 27	(29-0)	263	18609.959	9.959	P 32	(29-0)		6.110	R 39	(29-0)	298	18601.568	1.568	R 139	(33-0)		
227	18618.307	8.319	P 98	(31-0)		251	18614.046	4.046	P 49	(36-2)	264	18609.785	9.428	R 79	(30-0)		6.109	P 102	(31-0)		1.568	P 133	(33-0)			
	8.304	R 120	(32-0)		252	18614.041	4.041	P 49	(36-2)	265	18610.569	0.569	P 77	(37-2)		6.098	P 102	(31-0)	299	18601.435	1.436	R 59	(36-2)			
	8.303	R 75	(30-0)		253	18614.041	4.041	R 78	(37-2)	266	18610.407	0.407	R 54	(36-2)		5.975	R 105	(31-0)	300	18601.282	1.282	P 40	(29-0)			
228	18618.231	8.240	P 22	(29-0)		254	18613.926	3.982	R 159	(35-0)	267	18610.195	0.196	R 35	(29-0)	278	18605.974	5.975	R 105	(31-0)	299	18601.195	1.193	R 83	(37-2)	
	8.222	R 101	(31-0)		255	18613.926	3.926	R 77	(30-0)	268	18610.195	0.196	R 35	(29-0)	279	18605.849	5.849	P 36	(29-0)	301	18601.005	1.004	P 159	(35-0)		
	8.210	P 74	(37-2)		256	18613.824	3.845	R 31	(29-0)	269	18609.429	9.428	R 79	(30-0)		18605.396		0.360	R 44	(29-0)						
229	18618.071	8.071	P 72	(30-0)		257	18613.824	3.824	R 31	(29-0)	270	18609.249	9.364	P 52	(36-2)		0.305	P 57	(36-2)		0.305	P 157	(36-2)			
	7.991	R 175	(37-0)		258	18613.693	3.693	P 74	(30-0)	271	18609.204	9.217	R 36	(29-0)	272	18605.298	5.297	P 79	(37-2)		0.305	P 168	(36-0)			
230	18617.717	7.717	R 25	(29-0)		259	18613.693	3.693	R 52	(36-2)	273	18609.204	9.210	R 80	(37-2)	273	18605.123	5.122	R 57	(36-2)	303	18600.236	0.236	P 122	(32-0)	
	7.647	P 165	(36-0)		260	18613.693	3.693	P 74	(30-0)	274	18609.204	9.210	R 80	(37-2)	274	18605.017	5.018	R 40	(29-0)	304	18600.071	0.077	R 83	(30-0)		
	7.611	P 47	(36-2)		261	18613.693	3.693	R 168	(36-0)	275	18609.204	9.200	P 101	(31-0)	275	18604.812	4.812	R 81	(30-0)		0.069	P 41	(29-0)			
231	18617.541	7.540	P 23	(29-0)		262	18613.614	3.614	P 28	(29-0)	276	18609.084	9.083	R 76	(30-0)	276	18604.750	4.750	P 37	(29-0)	305	18599.844	9.895	P 81	(37-2)	
232	18616.995	6.997	R 50	(36-2)		263	18613.467	3.146	P 76	(37-2)	277	18609.084	9.026	P 147	(34-0)	277	18604.581	4.580	P 78	(30-0)		9.845	P 80	(30-0)		
	6.995	R 27	(29-0)		264	18613.141	3.146	P 76	(37-2)	278	18608.974	8.975	P 33	(29-0)	278	18604.426	4.424	P 175	(37-0)		9.802	P 104	(31-0)			
	6.967	P 156	(35-0)		265	18613.041	3.041	P 76	(37-2)	279	18608.820	8.975	P 33	(29-0)	279	18604.355	4.355			306	18599.664	9.664	R 107	(31-0)		
	6.921	R 77	(37-2)		266	18612.959	2.959	R 32	(29-0)	280	18608.820	8.975	P 33	(29-0)	280	18604.177	4.172	P 148	(34-0)	307	18599.547	9.549	R 125	(32-0)		
233	18616.812	6.862	P 173	(37-0)		267	18612.743	2.743	P 29	(29-0)	281	18608.671	8.678	R 55	(36-2)	281	18604.035	4.037	P 21	(32-0)		9.544	R 60	(36-2)		
	6.812	P 23	(29-0)		282					282	18608.671	8.659	R 160	(35-0)	282	4.026	P 55	(36-2)								

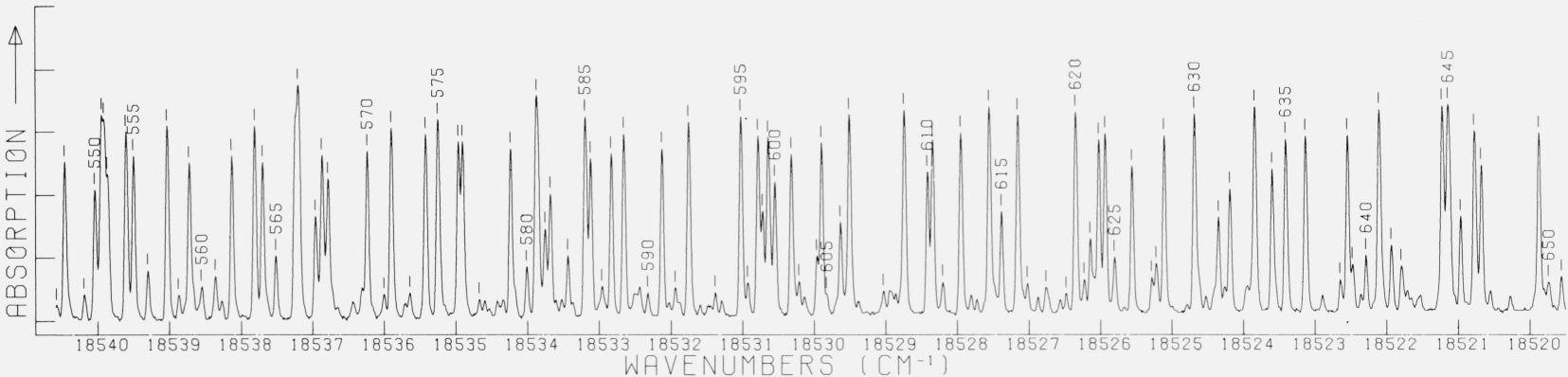


LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT								
302	18600.361	0.360	P 44 (29-0)		323	18595.694	5.700	R 126 (32-0)		337	18592.188	2.188	P 47 (29-0)		352	18588.291	8.286	R 142 (33-0)		366	18584.104	4.114	P 65 (36-2)									
	0.305	P 57 (36-2)				5.679	R 85 (37-2)			2.167	P 16 (35-2)				353	18588.204	8.236	P 22 (35-2)			4.095	P 27 (35-2)										
	0.304	P 168 (36-0)				5.661	R 62 (36-2)			2.105	R 153 (34-0)				367	18583.958	3.957	R 129 (32-0)			3.957	R 129 (32-0)										
303	18600.236	0.236	P 122 (32-0)		18595.591	5.608	P 160 (35-2)		18592.012	2.011	R 19 (35-2)		18588.022	8.026	R 25 (35-2)		368	18583.788	3.839	R 30 (35-2)			3.839	R 30 (35-2)								
304	18600.071	0.077	R 83 (30-0)			5.563	R 11 (35-2)		18591.819	1.856	P 177 (37-0)		18587.863	7.994	R 128 (32-0)			3.781	R 143 (33-0)					3.781	R 143 (33-0)							
	0.069	P 41 (29-0)			324	18595.232	5.244	P 48 (29-0)		18591.644	1.647	R 64 (36-2)		354	18587.713	7.714	R 50 (29-0)		369	18583.634	3.634	P 58 (29-0)			3.634	P 58 (29-0)						
305	18599.844	9.895	P 81 (37-2)			5.209	R 12 (35-2)		18591.587	1.590	P 17 (35-2)		355	18587.487	7.502	R 68 (36-2)		370	18583.518	3.519	P 109 (31-0)			3.519	P 109 (31-0)							
	9.845	P 81 (30-0)			306	18599.547	9.509	R 107 (31-0)		325	18594.991	4.992	P 82 (30-0)		18591.544	1.538	P 84 (37-2)		371	18583.340	3.341	R 112 (31-0)			3.341	R 112 (31-0)						
	9.802	P 107 (31-0)			307	18599.664	9.654	R 107 (31-0)		326	18594.929	4.939	P 45 (29-0)		18591.425	1.426	R 20 (35-2)		372	18583.276	3.276	P 53 (29-0)			3.276	P 53 (29-0)						
	9.509	R 125 (32-0)				9.544	R 60 (36-2)		327	18594.581	4.579	P 11 (35-2)		18591.106	1.106	R 51 (29-0)		357	18587.143	7.150	R 88 (37-2)		18582.891	2.907	R 31 (35-2)			2.907	R 31 (35-2)			
	9.509	R 125 (32-0)			308	18599.288	9.283	P 149 (34-0)		328	18594.471	4.478	P 60 (36-2)		18590.775	0.809	R 21 (35-2)		358	18586.988	6.990	R 164 (35-0)		373	18582.560	2.559	R 90 (30-0)			2.559	R 90 (30-0)	
	9.124	R 45 (29-0)			309	18599.125	9.124	R 45 (29-0)		329	18594.471	4.467	R 14 (35-2)		18590.775	0.775	P 48 (29-0)		359	18586.707	6.709	R 54 (29-0)		374	18582.334	2.335	P 87 (30-0)			2.335	P 87 (30-0)	
	8.827	P 42 (29-0)			310	18598.827	8.827	P 42 (29-0)		330	18593.894	3.894	R 49 (29-0)		18590.429	0.430	P 62 (36-2)		360	18586.444	6.446	R 27 (35-2)		375	18582.221	2.218	P 29 (35-2)			2.218	P 29 (35-2)	
	8.558	P 137 (33-0)			311	18598.588	8.585	P 137 (33-0)		331	18593.675	3.670	R 13 (35-2)		18590.344	0.343	P 19 (35-2)		361	18586.361	6.362	P 51 (29-0)		376	18582.053	2.105	R 155 (34-0)			2.105	R 155 (34-0)	
	8.453	R 83 (37-2)			312	18598.394	8.395	P 58 (36-2)		332	18593.381	3.382	P 138 (33-0)		18590.248	0.271	R 172 (36-0)		362	18586.246	6.252	P 64 (36-2)		377	18581.941	1.943	R 32 (35-2)			1.943	R 32 (35-2)	
	8.169	P 176 (37-0)			313	18597.861	7.900	R 162 (35-0)		333	18593.894	3.894	R 15 (35-2)		18590.984	0.982	P 18 (35-2)		363	18586.361	6.362	P 51 (29-0)		378	18581.691	1.691	P 56 (29-0)			1.691	P 56 (29-0)	
	7.900	R 162 (35-0)			314	18597.664	7.664	R 84 (30-0)		334	18590.019	0.027	R 13 (35-2)		18590.019	0.019	P 84 (30-0)		364	18586.844	5.846	P 25 (35-2)		379	18580.949	0.948	R 33 (35-2)			0.948	R 33 (35-2)	
	7.664	R 84 (30-0)			315	18597.557	7.556	P 43 (29-0)		335	18593.573	3.579	R 16 (35-2)		18589.966	9.964	R 110 (31-0)		365	18586.444	6.446	R 27 (35-2)		380	18580.739	0.743	P 127 (32-0)			0.743	P 127 (32-0)	
	7.619	R 61 (36-2)			316	18597.433	7.433	P 81 (30-0)		336	18593.228	3.229	P 109 (31-0)		18589.669	9.672	R 20 (35-2)		366	18586.246	6.252	P 64 (36-2)		381	18580.445	0.444	R 58 (29-0)			0.444	R 58 (29-0)	
	7.193	R 140 (33-0)			317	18597.195	7.193	R 140 (33-0)		337	18593.085	3.088	R 17 (35-2)		18589.595	9.591	R 65 (36-2)		367	18585.382	5.381	R 67 (36-2)		382	18580.169	0.215	P 31 (35-2)			0.215	P 31 (35-2)	
	7.082	R 152 (34-0)			318	18597.094	7.144	P 82 (37-2)		338	18592.871	2.870	R 86 (37-2)		18589.333	9.332	P 49 (29-0)		368	18585.174	5.243	P 140 (33-0)		383	18580.076	0.076	P 55 (29-0)			0.076	P 55 (29-0)	
	6.506	R 900				18596.778	18592.871	2.870		339	18589.333	9.332	P 21 (35-2)		18589.333	9.332	P 49 (29-0)		369	18585.978	1.479	R 165 (35-0)			1.479	R 165 (35-0)						
	6.506	R 900				18596.778	18592.871	2.870		340	18589.333	9.332	P 23 (35-2)		18589.333	9.332	P 49 (29-0)		370	18585.294	1.294	R 90 (30-0)			1.294	R 90 (30-0)						
	6.506	R 900				18596.778	18592.871	2.870		341	18589.333	9.332	P 23 (35-2)		18589.333	9.332	P 49 (29-0)		371	18585.231	1.232	P 30 (35-2)			1.232	P 30 (35-2)						
	6.506	R 900				18596.778	18592.871	2.870		342	18589.333	9.332	P 23 (35-2)		18589.333	9.332	P 49 (29-0)		372	18585.038	1.038	R 69 (36-2)			1.038	R 69 (36-2)						
	6.506	R 900				18596.778	18592.871	2.870		343	18589.125	0.126	R 22 (35-2)		18590.125	0.126	P 21 (35-2)		373	18585.177	1.177	R 135 (35-0)			1.177	R 135 (35-0)						
	6.506	R 900				18596.778	18592.871	2.870		344	18589.125	0.126	R 21 (35-2)		18590.125	0.126	P 21 (35-2)		374	18585.177	1.177	R 135 (35-0)			1.177	R 135 (35-0)						
	6.506	R 900				18596.778	18592.871	2.870		345	18589.125	0.126	R 21 (35-2)		18590.125	0.126	P 21 (35-2)		375	18585.177	1.177	R 135 (35-0)			1.177	R 135 (35-0)						
	6.506	R 900				18596.778	18592.871	2.870		346	18589.125	0.126	R 21 (35-2)		18590.125	0.126	P 21 (35-2)		376	18585.177	1.177	R 135 (35-0)			1.177	R 135 (35-0)						
	6.506	R 900				18596.778	18592.871	2.870		347	18589.125	0.126	R 21 (35-2)		18590.125	0.126	P 21 (35-2)		377	18585.177	1.177	R 135 (35-0)			1.177	R 135 (35-0)						
	6.506	R 900				18596.778	18592.871	2.870		348	18589.125	0.126	R 21 (35-2)		18590.125	0.126	P 21 (35-2)		378	18585.177	1.177	R 135 (35-0)			1.177	R 135 (35-0)						
	6.506	R 900				18596.778	18592.871	2.870		349	18589.125	0.126	R 21 (35-2)		18590.125	0.126	P 21 (35-2)		379	18585.177	1.177	R 135 (35-0)			1.177	R 135 (35-0)						
	6.506	R 900				18596.778	18592.871	2.870		350	18588.638	8.644	P 85 (37-2)		18588.638	8.644	P 85 (37-2)		380	18580.739	0.739	P 141 (33-0)			0.739	P 141 (33-0)						
	6.506	R 900				18596.778	18592.871	2.870		351	18588.358	8.358	P 63 (36-2)		18588.358	8.358	P 63 (36-2)		381	18580.445	0.444	R 58 (29-0)			0.444	R 58 (29-0)						
	6.506	R 900				18596.778	18592.871	2.870		352	18588.358	8.358	P 63 (36-2)		18588.358	8.358	P 63 (36-2)		382	18580.169	0.215	P 31 (35-2)			0.215	P 31 (35-2)						
	6.506	R 900				18596.778	18592.871	2.870		353	18588.358	8.358	P 63 (36-2)		18588.358	8.358	P 63 (36-2)		383	18580.076	0.076	P 55 (29-0)			0.076	P 55 (29-0)						
	6.506	R 900				18596.778	18592.871	2.870		354	18588.358	8.358	P 63 (36-2)		18588.358	8.358	P 63 (36-2)		384	18579.938	9.938	P 110 (31-0)			9.938	P 110 (31-0)						
	6.506	R 900				18596.778	18592.871	2.870		355	18588.358	8.358	P 63 (36-2)		18588.358	8.358	P 63 (36-2)		385	18579.714	9.714	P 88 (30-0)			9.714	P 88 (30-0)						



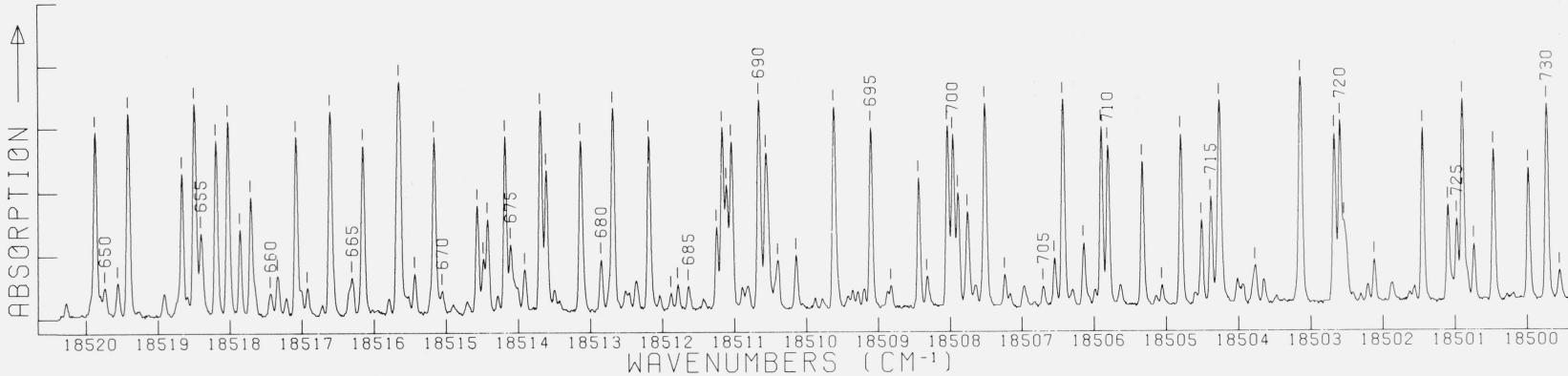
LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	
381	18580,445	6.444	R 58 (29-0)		397	18576,590	6.650	R 37 (35-2)		415	18571,961	1.963	R 63 (29-0)		430	18567,969	7.964	P 165 (35-0)		445	18563,568	3.568	R 97 (30-0)		
382	18580,169	6.215	P 31 (35-2)			6.592	R 114 (31-0)		6.592	R 114 (31-0)		6.592	R 71 (36-2)		1.940	R 157 (34-0)		7.964	P 62 (29-0)		446	18563,360	3.390	P 74 (36-2)	
383	18580,076	6.076	P 55 (29-0)		398	18576,181	6.179	P 142 (33-0)		416	18571,892	1.919	R 132 (32-0)		431	18567,841	7.840	P 133 (32-0)		455	18563,207	3.359	P 94 (30-0)		
384	18579,938	9.982	R 113 (31-0)		399	18575,963	5.964	R 131 (32-0)			5.929	R 166 (35-0)		1.884	R 94 (30-0)		7.911	R 44 (35-2)		446	18563,114	3.359	P 94 (30-0)		
	9.977	R 130 (32-0)				5.929	R 166 (35-0)			1.847	R 41 (35-2)		416	18571,892	1.919	R 132 (32-0)			18563,207	3.359	P 94 (30-0)				
	9.937	R 91 (30-0)			400	18575,829	5.830	P 35 (35-2)		417	18571,672	1.672	P 91 (30-0)		432	18567,222	7.221	R 75 (36-2)		447	18562,948	2.949	P 115 (31-0)		
	9.921	R 34 (35-2)			401	18575,442	5.497	R 38 (35-2)		418	18571,574	1.595	P 143 (33-0)		433	18566,976	6.977	P 144 (33-0)		448	18562,760	2.760	R 68 (29-0)		
	9.919	P 88 (37-2)				5.442	R 61 (29-0)			5.442	R 61 (29-0)		1.572	P 60 (29-0)		433	18566,800	6.803	R 158 (34-0)		448	18562,760	2.760	R 68 (29-0)	
	9.738	P 67 (36-2)			402	18575,305	5.300	P 92 (37-2)		419	18570,941	0.940	P 39 (35-2)		434	18566,529	6.535	R 45 (35-2)		449	18562,661	2.655	P 45 (35-2)		
	9.714	P 88 (30-0)			403	18575,235	5.232	P 59 (36-2)		420	18570,845	0.846	P 91 (37-2)		435	18567,751	7.753	P 92 (37-2)		450	18562,455	2.451	P 166 (35-0)		
	9.371	P 153 (34-0)			404	18575,060	5.061	P 58 (29-0)		421	18570,583	0.594	P 71 (36-2)		436	18566,456	6.456	P 114 (31-0)		450	18562,345	2.350	R 77 (36-2)		
	18579,240	9.241	R 144 (33-0)		404	18574,665	4.667	R 145 (33-0)		422	18570,066	0.059	R 42 (35-2)		437	18566,373	6.372	R 96 (30-0)		451	18562,216	2.219	R 48 (35-2)		
	18579,176	9.198	P 163 (35-0)			4.655	P 36 (35-2)			423	18570,401	1.867	R 331 (35-0)		438	18566,825	5.825	P 73 (36-2)		451	18561,640	1.630	R 159 (34-0)		
	9.166	P 32 (35-2)			405	18574,601	4.601	R 93 (30-0)		424	18570,181	0.181	R 64 (29-0)		439	18566,130	6.160	P 93 (30-0)		451	18561,463	1.464	P 94 (37-2)		
	8.862	R 35 (35-2)			406	18574,383	4.383	P 90 (30-0)		425	18570,312	0.312	R 39 (35-2)		440	18566,233	6.234	R 176 (36-0)			18561,235	1.163	P 46 (35-2)		
	8.818	R 70 (36-2)			407	18574,305	4.312	R 39 (35-2)		426	18570,066	0.059	R 146 (33-0)		441	18566,113	6.123	P 63 (29-0)			18561,235	1.163	P 46 (35-2)		
	8.806	R 59 (29-0)				4.304	P 154 (34-0)			427	18569,930	9.931	P 113 (31-0)		442	18566,825	5.825	P 73 (36-2)			18560,924	0.923	P 75 (36-2)		
	8.314	P 91 (37-2)			408	18573,820	4.278	R 72 (36-2)		428	18569,784	9.784	P 61 (29-0)		443	18566,542	5.943	P 43 (35-2)		452	18561,163	1.163	P 46 (35-2)		
	8.333	R 174 (36-0)			409	18573,904	3.904	P 90 (37-2)		429	18569,719	9.716	R 116 (31-0)		444	18566,425	5.416	R 147 (33-0)		453	18560,924	0.923	P 75 (36-2)		
	390	18578,084	8.086	P 33 (35-2)		410	18573,718	3.717	R 62 (29-0)		430	18569,624	9.638	P 40 (35-2)		445	18566,128	5.128	R 46 (35-2)		454	18560,832	0.832	R 69 (29-0)	
	18577,766	7.772	R 36 (35-2)		410	18573,445	3.444	P 37 (35-2)		431	18569,376	9.255	R 43 (35-2)		446	18565,051	0.051	R 174 (35-0)		455	18560,733	0.733	R 148 (33-0)		
	18577,497	7.502	P 68 (36-2)		410	18573,331	3.375	P 112 (31-0)		432	18564,963	9.201	P 155 (34-0)		447	18564,803	4.802	R 76 (36-2)			18561,734	0.734	R 148 (33-0)		
	18577,283	7.284	R 92 (30-0)		410	18573,331	3.375	P 112 (31-0)		433	18564,963	9.201	P 155 (34-0)		448	18564,803	4.802	R 76 (36-2)			18561,734	0.734	R 148 (33-0)		
	18577,137	7.138	R 60 (29-0)			3.375	P 59 (29-0)			434	18569,146	9.168	R 94 (37-2)		449	18564,658	4.717	R 161 (35-0)		456	18560,529	0.529	P 95 (30-0)		
	18577,062	7.064	P 89 (30-0)		411	18573,170	3.171	R 115 (31-0)		435	18569,146	9.145	R 95 (30-0)		450	18564,658	4.658	R 67 (29-0)		457	18560,419	0.419	P 132 (32-0)		
	18576,969	6.974	P 34 (35-2)		412	18572,931	2.930	P 36 (36-2)		436	18568,932	8.931	P 92 (30-0)		451	18564,563	4.562	P 93 (37-2)			18561,563	0.563	P 165 (35-0)		
	18576,934	6.929	P 89 (37-2)		413	18572,717	2.710	P 129 (32-0)		437	18568,654	8.656	P 130 (32-0)		452	18564,563	4.562	P 131 (32-0)			18561,563	0.563	P 165 (35-0)		
	18576,764	6.787	P 111 (31-0)		414	18572,213	2.504	R 175 (36-0)		438	18568,471	8.369	R 65 (29-0)		453	18564,250	4.250	P 64 (29-0)		458	18559,868	9.865	R 78 (36-2)		
	6.761	P 57 (29-0)				2.251	P 93 (37-2)			439	18568,368	8.369	P 41 (35-2)		454	18564,107	4.113	P 64 (29-0)		459	18559,710	9.712	R 97 (37-2)		
	6.747	P 128 (32-0)				2.210	P 38 (35-2)			440	18568,227	8.305	P 41 (35-2)		455	18563,726	3.728	R 134 (32-0)			18559,585	9.585	R 135 (32-0)		
	18572,127									441	18568,227	8.226	P 72 (36-2)		456	18564,107	4.113	P 64 (29-0)			18559,585	9.585	R 135 (32-0)		
	18572,050									442	18568,227	8.226	P 72 (36-2)		457	18564,107	4.113	P 64 (29-0)			18559,585	9.585	R 135 (32-0)		



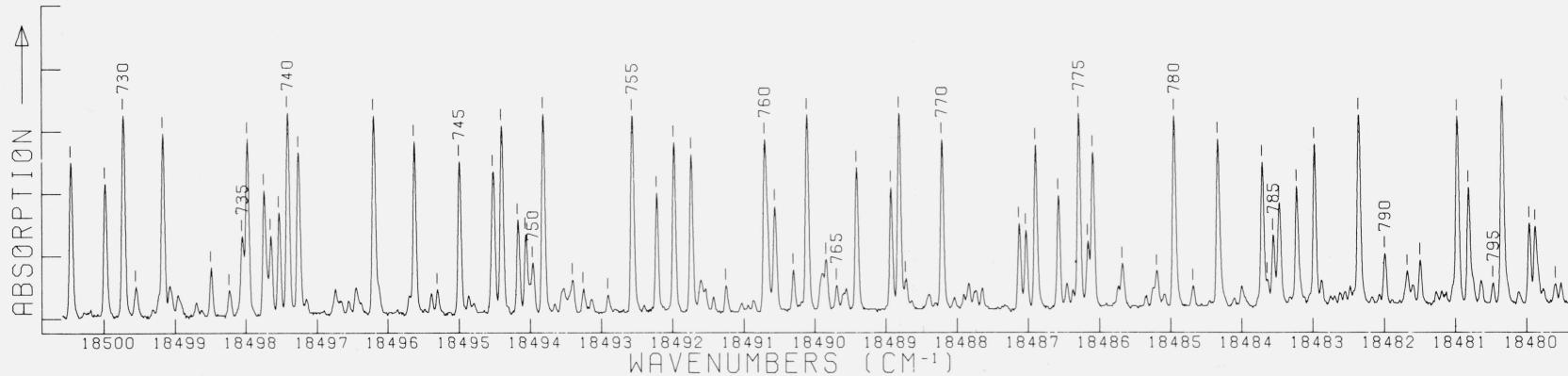


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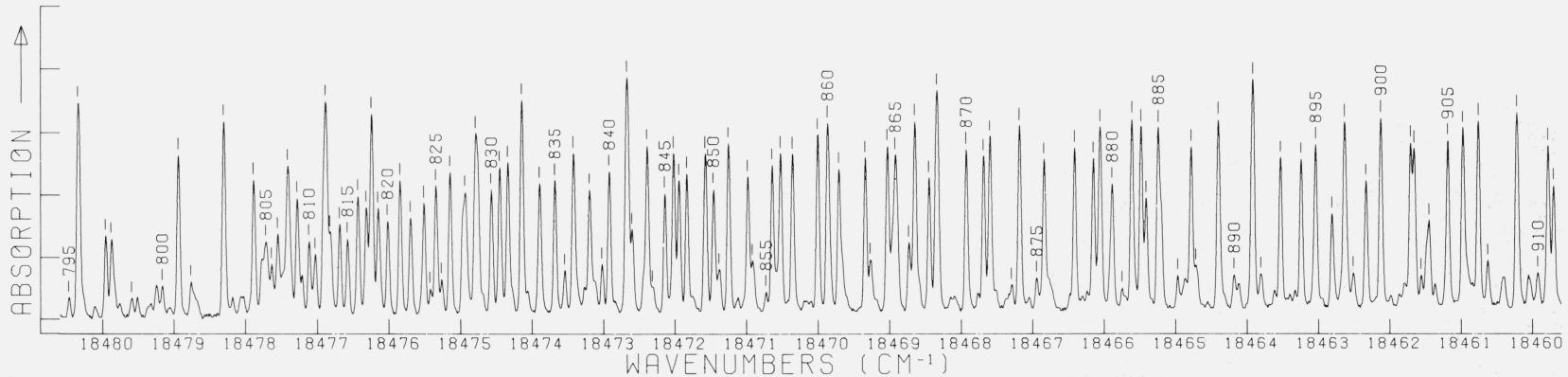
LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT
547	18540.583	0.573	R163	(34-0)	570	18536.247	6.247	R 36	(28-0)	592	18531.945	1.941	R154	(33-0)	613	18527.961	7.961	P 81	(29-0)	633	18523.850	3.900	P 43	(31-1)
548	18540.471	0.481	R 31	(31-1)	571	18536.010	6.003	R 87	(36-2)	593	18531.759	1.760	P 37	(28-0)	614	18527.816	7.817	R 43	(31-1)	634	18523.607	3.607	P 86	(29-0)
549	18540.197	0.196	R 61	(35-2)	572	18535.910	5.910	P 33	(28-0)	594	18531.598	1.597	P 86	(36-2)	615	18527.781	7.781	R 44	(31-1)	635	18523.417	3.417	P 44	(28-0)
550	18540.047	0.048	R105	(30-0)	573	18535.646	5.432	R 81	(29-0)	595	18531.461	1.490	P 103	(37-2)	616	18527.734	7.735	P 40	(31-1)	636	18523.139	3.139	P 83	(29-0)
551	18539.951	9.993	R 83	(36-2)	574	18535.432	5.432	R 76	(30-0)	596	18531.385	1.381	R 40	(31-1)	617	18527.627	7.627	P 22	(34-2)	637	18522.902	2.899	P 86	(36-2)
552	18539.920	9.913	R 52	(28-0)	575	18535.259	5.260	R 37	(28-0)	597	18530.791	0.790	R 83	(29-0)	618	18526.765	6.769	R 44	(30-0)	638	18522.653	2.653	P 28	(34-2)
553	18539.872	9.866	P102	(30-0)	576	18534.975	4.979	P158	(32-0)	598	18530.650	0.652	R 103	(30-0)	619	18526.487	6.485	R 90	(36-2)	639	18522.479	2.479	P 67	(35-2)
554	18539.612	9.614	P 29	(28-0)	577	18534.916	4.930	P102	(37-2)	599	18530.556	0.556	P105	(30-0)	620	18526.355	6.356	R 45	(28-0)	640	18522.294	2.294	P 126	(31-0)
555	18539.506	9.506	P 76	(29-0)	578	18534.680	4.680	R 37	(31-1)	600	18530.388	0.388	R 89	(36-2)	621	18526.232	6.230	P140	(32-0)	641	18522.112	2.112	P 45	(28-0)
556	18539.306	9.304	P137	(32-0)	579	18534.464	4.464	R 34	(31-1)	601	18530.328	0.328	R 38	(28-0)	622	18526.149	6.149	P125	(31-0)	642	18521.939	1.941	P 129	(31-0)
557	18539.038	9.038	R 33	(28-0)	580	18534.246	4.246	R 64	(35-2)	602	18530.220	0.222	R 41	(31-1)	623	18526.031	6.095	R 68	(35-2)	643	18521.800	1.805	P141	(32-0)
558	18538.875	8.876	R 59	(35-2)	581	18533.883	3.891	P 35	(28-0)	603	18529.970	9.971	P124	(31-0)	624	18525.941	6.092	P 24	(34-2)	644	18521.719	1.716	P 29	(34-2)
559	18538.728	8.788	R 86	(36-2)	582	18533.762	3.783	P171	(35-0)	604	18529.906	9.906	R 42	(28-0)	625	18525.810	5.279	P 25	(34-2)	645	18521.660	1.660	P 156	(34-0)
560	18538.557	8.549	P150	(33-0)	583	18533.532	3.532	P 35	(31-1)	605	18529.854	9.825	R165	(34-0)	626	18525.565	5.279	P 42	(31-1)	646	18521.539	1.539	P 92	(36-2)
561	18538.364	8.368	P101	(37-2)	584	18533.443	3.444	R126	(31-0)	606	18529.641	9.697	P 19	(34-2)	627	18525.289	5.293	R 45	(31-1)	647	18520.972	0.973	P 108	(30-0)
562	18538.278	8.278	R 62	(35-2)	585	18533.203	3.202	R 39	(28-0)	607	18529.516	9.516	P 39	(28-0)	628	18525.226	5.227	R143	(32-0)	648	18520.972	0.973	P 108	(30-0)
563	18537.818	7.827	P161	(34-0)	586	18533.126	3.126	R 82	(29-0)	608	18529.039	9.038	P 20	(34-2)	629	18525.117	5.207	P 42	(31-1)	649	18520.781	0.829	P106	(37-2)
564	18537.709	7.713	R 34	(31-1)	587	18532.968	2.967	R105	(37-2)	609	18528.941	8.952	P 39	(31-1)	630	18524.693	4.693	P 43	(28-0)	650	18520.560	0.568	P 33	(34-2)
565	18537.519	7.521	P122	(31-0)	588	18532.840	2.839	P 36	(28-0)	610	18528.700	8.797	P152	(33-0)	631	18524.529	4.751	P 43	(28-0)	651	18520.456	0.456	P 33	(34-2)
566	18537.210	7.255	P 77	(29-0)	589	18532.666	2.667	P 79	(29-0)	611	18528.670	8.867	P 68	(35-2)	632	18524.357	4.407	P105	(37-2)	652	18520.352	0.352	P 31	(34-2)
567	18536.970	6.971	R 106	(30-0)	590	18532.328	2.331	R 65	(35-2)	612	18528.211	8.206	R 67	(35-2)	633	18524.269	4.396	R 66	(34-0)	653	18520.269	0.269	P 46	(31-1)
568	18536.879	6.878	P 52	(28-0)	591	18532.132	2.132	R 40	(28-0)	613	18528.117	8.731	P 87	(36-2)	634	18524.196	4.197	P107	(30-0)	654	18519.879	9.934	P 90	(36-2)
569	18536.794	6.828	R153	(33-0)	592	18532.044	2.471	P162	(34-0)	614	18528.045	8.425	R 84	(29-0)	635	18524.147	4.147	P 117	(31-1)	655	18519.565	9.568	P 71	(35-2)
570	18536.660	6.793	P103	(30-0)	593	18532.039	2.026	P 19	(34-2)	615	18527.961	8.348	P 21	(34-2)	636	18524.060	3.952	R 69	(34-2)	656	18519.743	9.748	P 31	(34-2)
571	18536.443	6.432	R 104	(37-2)	594	18532.031	2.031	R 40	(28-0)	616	18527.816	8.206	R 67	(35-2)	637	18523.954	3.987	R 46	(31-1)	657	18519.553	9.553	R 34	(34-2)



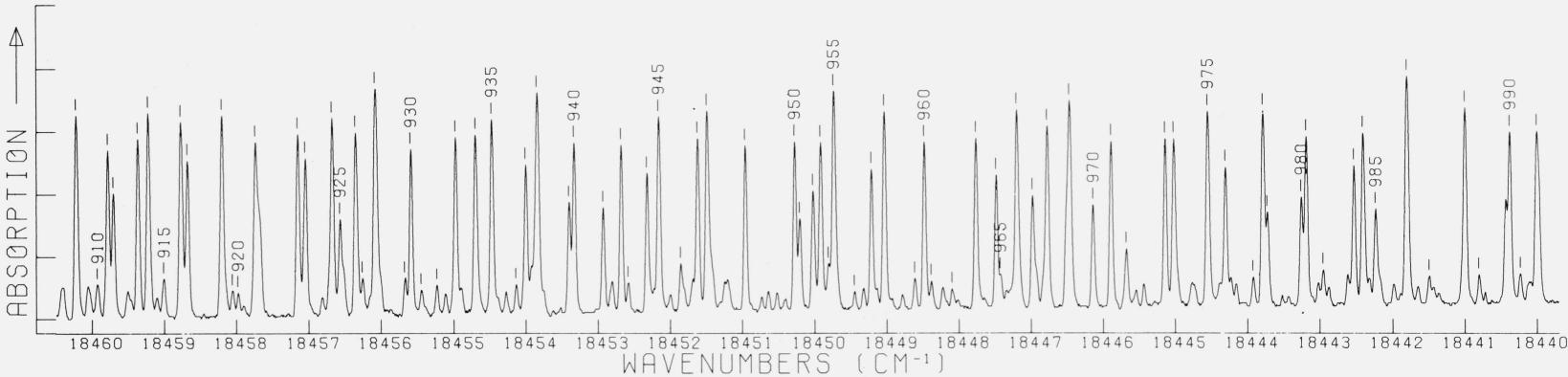
LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT				
649	18520.282	0.282	P 68 (35-2)	18516.160	6.186	P 165 (34-0)	18512.369	-2.380	P 51 (31-1)	701	18507.901	7.901	R 115 (30-0)	3.805	P 157 (33-0)	717	18503.775	7.886	P 145 (32-0)				
	18519.879	9.934	P 90 (36-2)		6.160	R 89 (29-0)	18512.197	2.197	P 52 (28-0)			7.791	R 44 (34-2)	3.772	P 145 (32-0)			7.767	P 112 (30-0)				
		9.890	R 49 (31-1)		6.123	P 174 (35-0)	18512.050	-0.042	R 158 (33-0)	702	18507.767	7.791	R 44 (34-2)	3.656	R 47 (34-2)	718	18503.655	7.735	P 94 (36-2)				
		9.678	R 50 (28-0)	18515.796	5.797	P 70 (35-2)	18511.887	1.889	P 38 (34-2)			7.767	P 112 (30-0)	3.207	R 78 (35-2)			7.727	R 112 (37-2)				
		8.802	P 46 (31-1)	667	18515.658	5.687	P 86 (29-0)	18511.792	1.791	R 146 (32-0)			7.735	P 94 (36-2)	3.160	R 94 (29-0)			3.153	R 98 (36-2)			
650	18519.743	9.748	P 31 (34-2)		5.653	R 53 (28-0)	18511.643	1.645	R 41 (34-2)			7.727	R 112 (37-2)	3.144	R 61 (28-0)			7.663	R 57 (31-1)				
651	18519.565	9.568	P 71 (35-2)		5.570	R 94 (36-2)	18511.435	1.439	R 111 (37-2)	703	18507.525	7.571	P 54 (31-1)	2.665	R 148 (32-0)			7.525	P 55 (28-0)				
		9.553	R 34 (34-2)	18515.532	5.528	R 52 (31-1)	18511.254	1.254	R 114 (30-0)			7.587	P 54 (31-1)	2.599	P 58 (28-0)			7.545	P 55 (28-0)				
652	18519.419	9.420	P 47 (28-0)	668	18515.441	5.443	P 35 (34-2)	18511.175	1.182	R 72 (35-2)	704	18507.248	7.245	R 147 (32-0)	2.587	R 60 (31-1)	720	18502.598	6.976	P 148 (32-0)			
	18518.918	8.430	R 167 (34-0)		5.437	P 49 (31-1)	18511.098	1.098	R 56 (28-0)			7.174	R 56 (28-0)	2.544	P 131 (31-1)			7.156	P 147 (32-0)				
		8.905	P 154 (33-0)	669	18515.171	5.221	R 38 (34-2)	18511.115	1.115	P 111 (30-0)	705	18506.712	6.716	P 42 (34-2)	2.510	P 45 (34-2)	721	18502.543	6.096	P 148 (32-0)			
653	18518.672	8.756	R 109 (37-2)		5.170	P 50 (28-0)	18511.048	1.048	R 91 (29-0)			6.979	R 159 (33-0)	2.544	P 131 (31-1)			6.558	P 130 (31-0)				
		8.719	P 32 (34-2)		5.115	R 110 (37-2)	18510.896	0.898	R 55 (31-1)	706	18506.556	6.716	P 42 (34-2)	2.496	P 57 (31-1)			6.000	P 55 (31-1)				
		8.672	R 88 (29-0)	670	18515.059	5.056	R 73 (35-2)	18510.821	0.835	R 93 (36-2)	707	18506.441	6.443	R 45 (34-2)	2.417	P 111 (37-2)			6.400	R 59 (28-0)			
	18518.590	8.590	P 93 (36-2)		18514.907			18510.666	0.806	P 52 (31-1)			6.439	P 74 (35-2)	2.312	R 170 (34-0)			6.000	P 52 (31-1)			
654	18518.499	8.516	P 35 (34-2)		18514.704			690	18510.666	0.684	P 164 (34-0)			6.439	P 74 (35-2)	2.015	R 170 (34-0)			6.000	P 52 (31-1)		
		8.498	P 51 (28-0)	671	18514.574	4.576	R 113 (30-0)			691	18510.568	0.572	P 88 (29-0)	18506.312	6.308	R 97 (36-2)	722	18502.125	6.169	P 126 (31-0)			
		8.466	R 50 (31-1)		18514.489	4.490	P 128 (31-0)			692	18510.402	0.413	R 75 (35-2)	18506.156	6.169	P 110 (37-2)	18501.878	6.154	R 133 (31-0)				
655	18518.407	8.408	P 127 (31-0)	673	18514.430	4.431	P 110 (30-0)			693	18510.150	0.160	P 175 (35-0)	18505.999	6.000	P 58 (31-1)	18501.567	5.911	R 62 (28-0)				
656	18518.200	8.200	P 45 (29-0)	674	18514.188	4.188	R 54 (28-0)			694	18509.624	0.624	R 57 (28-0)	18505.149	5.145	P 167 (34-0)	723	18501.453	5.911	P 56 (28-0)			
657	18518.033	8.055	P 69 (35-2)	675	18514.110	4.112	R 131 (31-0)			695	18509.111	0.110	P 54 (28-0)	18505.910	5.911	P 56 (28-0)	1.046	P 46 (34-2)	724	18501.101	5.909	P 55 (31-1)	
		8.042	R 130 (31-0)		4.060	R 39 (34-2)				696	18509.154	0.154	R 132 (31-0)	18505.818	5.818	P 93 (29-0)	1.046	P 46 (34-2)			5.909	P 55 (31-1)	
		8.032	P 48 (28-0)		4.014	R 53 (31-1)				697	18509.154	0.154	R 132 (31-0)	18505.818	5.818	P 93 (29-0)	1.046	P 46 (34-2)			5.909	P 55 (31-1)	
658	18517.865	7.867	R 112 (30-0)	676	18513.915	3.923	P 50 (31-1)	CALC	*****	698	18509.624	0.624	R 57 (28-0)	18505.341	5.345	P 43 (34-2)	725	18500.981	5.046	P 114 (30-0)			
659	18517.716	7.717	P 71 (10-0)		3.907	P 155 (33-0)				699	18509.432	0.429	R 96 (36-2)	18505.341	5.340	P 90 (29-0)	0.901	P 59 (28-0)			5.340	P 90 (29-0)	
		7.658	P 33 (34-2)		3.901	P 92 (36-2)				700	18509.294	0.295	R 56 (31-1)	18505.066	5.065	P 46 (34-2)	726	18500.901	5.056	P 46 (34-2)			
660	18517.442	7.449	P 36 (34-2)	677	18513.698	3.698	P 51 (28-0)			701	18509.204	0.204	R 53 (31-1)	18504.804	4.806	P 60 (28-0)	0.745	P 58 (31-1)			4.217	P 56 (31-1)	
661	18517.343	7.347	P 142 (32-0)	678	18513.619	3.619	R 90 (29-0)			702	18509.204	0.204	R 53 (31-1)	18504.804	4.806	P 60 (28-0)	0.743	P 58 (31-1)			4.217	P 56 (31-1)	
		7.328	R 72 (35-2)		3.569	P 108 (37-2)				703	18509.111	0.110	P 54 (28-0)	18504.604	4.601	P 95 (36-2)	0.740	P 79 (35-2)			4.217	P 56 (31-1)	
		7.221	P 217 (10-0)		3.504	P 71 (35-2)				704	18509.111	0.110	P 54 (28-0)	18504.517	4.517	P 116 (30-0)	0.740	P 79 (35-2)			4.217	P 56 (31-1)	
662	18517.089	7.089	R 52 (28-0)		3.426	R 168 (34-0)				705	18508.829	0.873	P 156 (33-0)	18504.389	4.390	P 113 (30-0)	0.991	P 92 (29-0)			4.217	P 56 (31-1)	
		7.070	R 157 (33-0)	679	18513.143	3.144	P 87 (29-0)			706	18508.328	0.331	P 144 (32-0)	18504.270	4.308	P 59 (31-1)	1.046	P 46 (34-2)			4.217	P 56 (31-1)	
	18517.011	7.012	R 51 (31-1)		3.105	P 37 (34-2)				707	18508.328	0.331	P 144 (32-0)	18504.270	4.308	P 59 (31-1)	1.046	P 46 (34-2)			4.217	P 56 (31-1)	
663	18516.929	6.934	P 91 (36-2)	680	18512.858	2.868	R 40 (34-2)			708	18508.047	0.056	P 41 (34-2)	18504.018	4.019	P 75 (35-2)	0.991	P 92 (29-0)			4.217	P 56 (31-1)	
		6.922	P 48 (31-1)		2.855	P 143 (32-0)				709	18507.971	7.971	P 89 (29-0)	18504.018	4.019	P 75 (35-2)	0.991	P 92 (29-0)			4.217	P 56 (31-1)	
		6.851	P 145 (32-0)		681	18512.695	2.751	R 74 (35-2)			710	18507.661	7.661	P 89 (29-0)	18504.018	4.019	P 75 (35-2)	0.991	P 92 (29-0)			4.217	P 56 (31-1)
664	18516.614	6.615	P 49 (28-0)		2.695	R 55 (28-0)				711	18507.661	7.661	P 89 (29-0)	18504.018	4.019	P 75 (35-2)	0.991	P 92 (29-0)			4.217	P 56 (31-1)	
		6.566	P 34 (34-2)		18512.518	2.516	R 95 (36-2)			712	18507.661	7.661	P 89 (29-0)	18504.018	4.019	P 75 (35-2)	0.991	P 92 (29-0)			4.217	P 56 (31-1)	
665	18516.310	6.350	P 37 (34-2)		18512.474	2.471	R 54 (31-1)			713	18507.661	7.661	P 89 (29-0)	18504.018	4.019	P 75 (35-2)	0.991	P 92 (29-0)			4.217	P 56 (31-1)	
		6.303	R 145 (32-0)							714	18507.661	7.661	P 89 (29-0)	18504.018	4.019	P 75 (35-2)	0.991	P 92 (29-0)			4.217	P 56 (31-1)	



LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT		
728	18500.471	0.471	R 95	(29-0)	728	18495.401	5.402	R 64	(31-1)	728	18490.709	0.711	R 68	(28-0)	728	18485.684	5.748	R 69	(31-1)	728	18482.880	2.683	P 57	(34-2)		
	18500.281				744	18495.311	5.313	P 61	(31-1)	744	18495.003	5.005	R 97	(29-0)	744	18490.569	0.571	P 117	(30-0)	744	18482.758	2.758	R 12	(34-1)		
	18500.200	0.198	R 114	(37-2)	745	18495.003				745	18495.003	5.005	R 97	(29-0)	745	18490.569	0.571	P 117	(30-0)	745	18482.702	2.701	P 9	(30-1)		
729	18499.989	9.091	P 92	(29-0)	746	18494.876	4.876	R 50	(34-2)	729	18499.989	9.091	P 99	(36-2)	746	18494.876	4.876	R 50	(34-2)	729	18482.625	2.622	P 171	(34-0)		
	9.964	R 99	(36-2)	747	18494.876	4.876	P 133	(31-0)		9.964	R 99	(36-2)	747	18494.876	4.876	P 133	(31-0)		9.964	R 99	(36-2)	729	18482.558	2.558	R 86	(35-2)
730	18499.733	9.733	R 63	(28-0)	748	18494.806	4.805	P 113	(37-2)	730	18499.733	9.733	P 62	(31-1)	748	18494.179	4.180	P 119	(30-0)	748	18485.353	5.352	R 173	(34-0)		
731	18499.557	9.570	P 168	(34-0)	749	18494.806	4.805	P 147	(32-0)	731	18499.557	9.570	P 147	(34-0)	749	18494.071	4.072	P 116	(30-0)	749	18485.202	5.253	R 85	(35-2)		
	9.551	P 47	(34-2)	750	18494.526	4.526	R 53	(34-2)		9.551	P 47	(34-2)	750	18493.971	4.015	P 79	(35-2)	750	18485.117	0.194	R 102	(36-2)				
	18499.314			751	18494.408	4.420	P 133	(31-0)		18499.314			751	18494.408	4.420	P 133	(31-0)	751	18485.093	5.093	P 101	(36-2)				
732	18499.175	9.240	R 50	(34-2)	752	18494.408	4.420	R 66	(28-0)	732	18499.175	9.240	P 146	(32-0)	752	18494.408	4.420	R 66	(28-0)	752	18485.093	5.093	P 101	(36-2)		
	9.160	P 146	(32-0)	753	18494.408	4.420	R 66	(28-0)		9.174	P 60	(28-0)	753	18494.408	4.420	R 66	(28-0)	753	18485.093	5.093	P 101	(36-2)				
	9.082	P 77	(35-2)	754	18494.179	4.180	P 119	(30-0)		9.082	P 77	(35-2)	754	18494.179	4.180	P 119	(30-0)	754	18485.093	5.093	P 101	(36-2)				
	9.054	P 62	(31-1)	755	18493.971	4.015	P 79	(35-2)		9.054	P 62	(31-1)	755	18493.971	4.015	P 79	(35-2)	755	18485.093	5.093	P 101	(36-2)				
733	18498.708	8.964	P 59	(31-1)	756	18498.708	3.974	R 136	(31-0)	733	18498.497	8.498	P 130	(31-0)	756	18498.708	3.974	R 136	(31-0)	756	18485.850	9.699	R 67	(31-1)		
734	18498.708	8.702	P 158	(33-0)	757	18498.708	3.957	P 169	(34-0)	734	18498.240	8.240	R 80	(35-2)	757	18498.708	3.957	P 169	(34-0)	757	18485.850	9.699	R 67	(31-1)		
	8.622	P 112	(37-2)	758	18493.824	3.825	P 63	(28-0)		8.622	P 112	(37-2)	758	18493.824	3.825	P 63	(28-0)	758	18485.850	9.699	R 67	(31-1)				
	8.548	P 130	(31-0)	759	18493.663						8.548	P 130	(31-0)	759	18493.538	3.563	P 155	(33-0)	759	18485.850	9.699	R 67	(31-1)			
735	18498.240	8.240	R 80	(35-2)	760	18493.663					8.531	P 97	(36-2)	760	18493.663				760	18490.709	0.711	R 120	(30-0)			
	8.233	P 97	(36-2)	761	18493.663						8.531	P 97	(36-2)	761	18493.663				761	18490.569	0.571	P 117	(30-0)			
735	18498.059	8.118	P 177	(35-0)	762	18493.663					8.484	P 101	(36-2)	762	18493.663				762	18490.309	0.310	P 134	(31-0)			
	8.066	R 135	(31-0)	763	18493.663						8.484	P 101	(36-2)	763	18493.663				763	18490.117	0.194	R 102	(36-2)			
	8.051	R 149	(32-0)	764	18493.663						8.484	P 101	(36-2)	764	18493.663				764	18490.709	0.711	R 120	(30-0)			
	8.024	P 48	(34-2)	765	18493.258	3.258	P 51	(34-2)			8.484	P 101	(36-2)	765	18493.258	3.258	P 51	(34-2)	765	18485.353	5.352	R 173	(34-0)			
736	18497.986	7.986	R 64	(28-0)	766	18498.419	4.940	R 96	(31-0)	736	18497.986	7.986	R 64	(28-0)	766	18498.419	4.940	R 96	(31-0)	766	18485.353	5.352	R 173	(34-0)		
737	18497.751	7.753	R 29	(39-0)	767	18498.419	4.940	R 96	(31-0)	737	18497.751	7.753	R 29	(39-0)	767	18498.419	4.940	R 96	(31-0)	767	18485.353	5.352	R 173	(34-0)		
	7.706	R 51	(34-2)	768	18498.419	4.940	R 96	(31-0)			8.389	P 160	(33-0)	768	18498.419	4.940	R 96	(31-0)	768	18485.353	5.352	R 173	(34-0)			
	7.657	R 118	(30-0)	769	18498.419	4.940	R 96	(31-0)			8.389	P 160	(33-0)	769	18498.419	4.940	R 96	(31-0)	769	18485.353	5.352	R 173	(34-0)			
738	18497.656	7.657	P 115	(30-0)	770	18498.419	4.940	R 96	(31-0)	738	18497.656	7.657	P 115	(30-0)	770	18498.419	4.940	R 96	(31-0)	770	18485.353	5.352	R 173	(34-0)		
739	18497.541	7.542	P 115	(30-0)	771	18498.419	4.940	R 96	(31-0)	739	18497.541	7.542	P 115	(30-0)	771	18498.419	4.940	R 96	(31-0)	771	18485.353	5.352	R 173	(34-0)		
740	18497.419	7.419	P 61	(28-0)	772	18498.419	4.940	R 96	(31-0)	740	18497.419	7.419	P 61	(28-0)	772	18498.419	4.940	R 96	(31-0)	772	18485.353	5.352	R 173	(34-0)		
741	18497.270	7.272	R 92	(29-0)	773	18498.419	4.940	R 96	(31-0)	741	18497.270	7.272	R 92	(29-0)	773	18498.419	4.940	R 96	(31-0)	773	18485.353	5.352	R 173	(34-0)		
	7.243	R 63	(31-1)	774	18491.744	1.745	P 95	(29-0)			7.243	R 63	(31-1)	774	18491.744	1.745	P 95	(29-0)	774	18485.353	5.352	R 173	(34-0)			
	7.153	P 60	(31-1)	775	18491.606	1.630	R 66	(31-1)			7.153	P 60	(31-1)	775	18491.606	1.630	R 66	(31-1)	775	18485.353	5.352	R 173	(34-0)			
	6.791	R 161	(33-0)	776	18491.606	1.607	P 52	(34-2)			6.791	R 161	(33-0)	776	18491.606	1.607	P 52	(34-2)	776	18485.353	5.352	R 173	(34-0)			
742	18496.209	6.210	R 65	(28-0)	777	18496.099	6.101	P 97	(29-0)	742	18496.209	6.210	R 65	(28-0)	777	18496.099	6.101	P 97	(29-0)	777	18485.353	5.352	R 173	(34-0)		
	6.210	R 65	(28-0)	778	18491.035	1.041	R 172	(34-0)			6.210	R 65	(28-0)	778	18491.035	1.041	R 172	(34-0)	778	18485.353	5.352	R 173	(34-0)			
	6.140	R 52	(34-2)	779	18490.946	0.947	P 114	(37-2)			6.140	R 52	(34-2)	779	18490.946	0.947	P 114	(37-2)	779	18485.353	5.352	R 173	(34-0)			
	6.708	R 81	(35-2)	780	18490.865	1.865	P 179	(35-0)			6.708	R 81	(35-2)	780	18490.865	1.865	P 179	(35-0)	780	18485.353	5.352	R 173	(34-0)			
743	18495.636	5.636	P 62	(28-0)	781	18485.915	5.920	P 179	(35-0)			781	18485.915	5.920	P 179	(35-0)	781	18485.915	5.920	P 179	(35-0)	781	18485.353	5.352	R 173	(34-0)

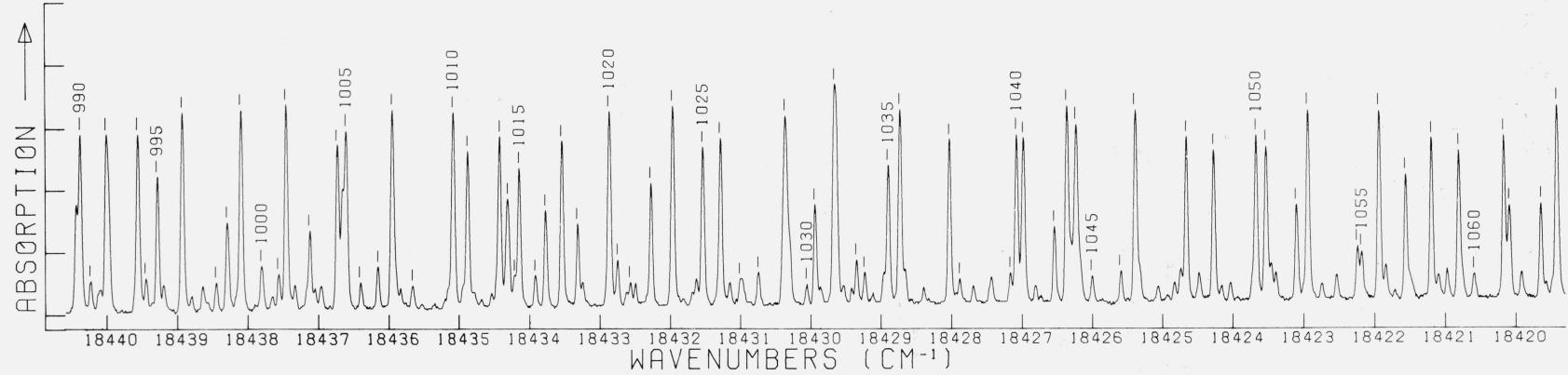


LIN#	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT						
795	18480.476	0.476	P150	(32-0)	812	18476.890	6.986	R 24	(30-1)	812	18476.890	6.986	R 24	(30-1)	812	18473.270	3.272	P 29	(30-1)	812	18468.927	8.975	R126	(30-0)						
796	18480.346	0.360	R 18	(30-1)			6.992	R 9	(27-0)	812	18473.201	3.203	P 16	(27-0)	838A	18473.201	3.203	R 123	(30-0)	865	18468.927	8.975	R106	(29-0)						
	0.351	P 70	(28-0)			6.998	P172	(34-0)			6.998	P172	(34-0)		6.998	P172	(34-0)	8.936	R 106	(29-0)	8.936	R 106	(29-0)	8.936	R 106	(29-0)				
	0.336	P 9	(29-0)			6.886	R 75	(28-0)			6.886	R 75	(28-0)		6.886	R 75	(28-0)	8.919	R 123	(30-0)	8.919	R 123	(30-0)	8.919	R 123	(30-0)				
	0.272	P 15	(30-1)			6.852	R 63	(34-2)			6.852	R 63	(34-2)		6.852	R 63	(34-2)	8.919	R 123	(30-0)	8.919	R 123	(30-0)	8.919	R 123	(30-0)				
	18480.111	0.111	R105	(36-2)	813	18476.826	6.822	P 6	(27-0)	813	18476.826	6.822	P 6	(27-0)	813	18473.129	3.132	P 26	(30-1)	813	18473.129	3.132	P 26	(30-1)	813	18473.129	3.132	P 26	(30-1)	
797	18479.963	9.964	R123	(30-0)			6.809	P 21	(30-1)	813	18476.826	6.822	P 6	(27-0)	813	18473.027	3.025	R141	(31-0)	813	18473.027	3.025	R141	(31-0)	813	18473.027	3.025	R141	(31-0)	
798	18479.881	9.884	P120	(30-0)	814	18476.694	6.696	R 10	(27-0)	814	18476.694	6.696	R 10	(27-0)	814	18472.927	2.937	R 65	(34-2)	814	18472.927	2.937	R 65	(34-2)	814	18472.927	2.937	R 65	(34-2)	
	9.859	R 19	(30-1)			6.815	18476.583	6.584	P 7	(27-0)	815	18476.440	6.442	R 11	(27-0)	815	18476.440	6.442	R 11	(27-0)	815	18476.440	6.442	R 11	(27-0)	815	18476.440	6.442	R 11	(27-0)
	9.829	R 87	(35-2)			817	18476.323	6.332	R124	(30-0)	817	18476.323	6.332	R124	(30-0)	817	18476.323	6.332	R124	(30-0)	817	18476.323	6.332	R124	(30-0)	817	18476.323	6.332	R124	(30-0)
799	18479.765	9.767	P 16	(30-1)			6.317	P 8	(27-0)	818	18476.249	6.260	P121	(30-0)	818	18476.249	6.260	P121	(30-0)	818	18476.249	6.260	P121	(30-0)	818	18476.249	6.260	P121	(30-0)	
	9.597	R 72	(31-1)			6.253	R 25	(30-1)	818	18476.249	6.260	P121	(30-0)	818	18476.249	6.260	P121	(30-0)	818	18476.249	6.260	P121	(30-0)	818	18476.249	6.260	P121	(30-0)		
	18479.518	9.517	P 69	(31-1)			6.246	P 72	(28-0)	818	18476.249	6.260	P121	(30-0)	818	18476.249	6.260	P121	(30-0)	818	18476.249	6.260	P121	(30-0)	818	18476.249	6.260	P121	(30-0)	
	18479.333	9.330	R 20	(30-1)			6.161	R 12	(27-0)	819	18476.157	6.161	P 22	(30-1)	819	18476.157	6.161	P 22	(30-1)	819	18476.157	6.161	P 22	(30-1)	819	18476.157	6.161	P 22	(30-1)	
	18479.249	9.256	R153	(32-0)			6.131	P 22	(30-1)	819	18476.157	6.161	P 22	(30-1)	819	18476.157	6.161	P 22	(30-1)	819	18476.157	6.161	P 22	(30-1)	819	18476.157	6.161	P 22	(30-1)	
	9.233	P 17	(30-1)			6.131	P 22	(30-1)	819	18476.157	6.161	P 22	(30-1)	819	18476.157	6.161	P 22	(30-1)	819	18476.157	6.161	P 22	(30-1)	819	18476.157	6.161	P 22	(30-1)		
800	18479.172	9.174	P 59	(34-2)	820	18476.023	6.024	P 9	(27-0)	820	18476.023	6.024	P 9	(27-0)	820	18476.023	6.024	P 9	(27-0)	820	18476.023	6.024	P 9	(27-0)	820	18476.023	6.024	P 9	(27-0)	
801	18478.946	8.946	R 78	(28-0)	821	18475.851	5.855	R165	(33-0)	821	18475.851	5.855	R165	(33-0)	821	18475.851	5.855	R165	(33-0)	821	18475.851	5.855	R165	(33-0)	821	18475.851	5.855	R165	(33-0)	
802	18478.769	8.772	R 21	(31-0)			5.853	R 13	(27-0)	822	18475.705	5.716	P151	(32-0)	822	18475.705	5.716	P151	(32-0)	822	18475.705	5.716	P151	(32-0)	822	18475.705	5.716	P151	(32-0)	
803	18478.672	8.670	P 18	(30-1)			5.703	P 10	(27-0)	823	18475.517	5.551	R 20	(30-1)	823	18475.517	5.551	R 20	(30-1)	823	18475.517	5.551	R 20	(30-1)	823	18475.517	5.551	R 20	(30-1)	
	8.313	P 71	(28-0)			5.517	R 14	(27-0)	824	18475.429	5.425	P 23	(30-1)	824	18475.429	5.425	P 23	(30-1)	824	18475.429	5.425	P 23	(30-1)	824	18475.429	5.425	P 23	(30-1)		
	8.078	P 19	(30-1)			5.355	P 11	(27-0)	825	18475.350	5.355	P 11	(27-0)	825	18475.350	5.355	P 11	(27-0)	825	18475.350	5.355	P 11	(27-0)	825	18475.350	5.355	P 11	(27-0)		
	8.034	P 85	(35-2)			5.346	R 74	(31-1)	825	18471.387	5.140	P105	(36-2)	825	18471.387	5.140	P105	(36-2)	825	18471.387	5.140	P105	(36-2)	825	18471.387	5.140	P105	(36-2)		
804	18477.894	7.936	P162	(33-0)			5.340	P 61	(34-2)	826	18475.270	5.269	P 71	(31-1)	826	18475.270	5.269	P 71	(31-1)	826	18475.270	5.269	P 71	(31-1)	826	18475.270	5.269	P 71	(31-1)	
	7.894	R103	(29-0)			5.269	P 71	(31-1)	826	18475.270	5.269	P 71	(31-1)	826	18475.270	5.269	P 71	(31-1)	826	18475.270	5.269	P 71	(31-1)	826	18475.270	5.269	P 71	(31-1)		
805	18477.722	7.786	P137	(31-0)			5.256	P 85	(35-2)	827	18475.152	5.154	R 15	(27-0)	827	18475.152	5.154	R 15	(27-0)	827	18475.152	5.154	R 15	(27-0)	827	18475.152	5.154	R 15	(27-0)	
	7.748	R 1	(27-0)			5.079	R 20	(27-0)	828	18474.941	4.979	P 12	(27-0)	828	18474.941	4.979	P 12	(27-0)	828	18474.941	4.979	P 12	(27-0)	828	18474.941	4.979	P 12	(27-0)		
	7.740	R 2	(27-0)			4.979	R 20	(27-0)	828	18474.941	4.979	P 12	(27-0)	828	18474.941	4.979	P 12	(27-0)	828	18474.941	4.979	P 12	(27-0)	828	18474.941	4.979	P 12	(27-0)		
	7.728	R 0	(27-0)			4.938	R104	(29-0)	829	18474.792	4.820	R 27	(30-1)	829	18474.792	4.820	R 27	(30-1)	829	18474.792	4.820	R 27	(30-1)	829	18474.792	4.820	R 27	(30-1)		
	7.706	R 3	(27-0)			4.910	R 6	(34-2)	830	18474.690	4.689	P 24	(30-1)	830	18474.690	4.689	P 24	(30-1)	830	18474.690	4.689	P 24	(30-1)	830	18474.690	4.689	P 24	(30-1)		
	7.686	P 1	(27-0)			4.763	R 16	(27-0)	830	18474.690	4.689	P 24	(30-1)	830	18474.690	4.689	P 24	(30-1)	830	18474.690	4.689	P 24	(30-1)	830	18474.690	4.689	P 24	(30-1)		
	7.554	R 5	(27-0)			4.763	R 16	(27-0)	831	18474.459	4.472	R156	(32-0)	831	18474.459	4.472	R156	(32-0)	831	18474.459	4.472	R156	(32-0)	831	18474.459	4.472	R156	(32-0)		
	7.504	P 2	(27-0)			4.763	R 16	(27-0)	831	18474.459	4.472	R156	(32-0)	831	18474.459	4.472	R156	(32-0)	831	18474.459	4.472	R156	(32-0)	831	18474.459	4.472	R156	(32-0)		
806	18477.641	7.643	R 4	(27-0)			4.763	R 16	(27-0)	832	18474.344	4.345	R 17	(27-0)	832	18474.344	4.345	R 17	(27-0)	832	18474.344	4.345	R 17	(27-0)	832	18474.344	4.345	R 17	(27-0)	
	7.606	P 1	(27-0)			4.763	R 16	(27-0)	832	18474.344	4.345	R 17	(27-0)	832	18474.344	4.345	R 17	(27-0)	832	18474.344	4.345	R 17	(27-0)	832	18474.344	4.345	R 17	(27-0)		
	7.554	R 5	(27-0)			4.763	R 16	(27-0)	833	18474.149	4.150	P 73	(28-0)	833	18474.149	4.150	P 73	(28-0)	833	18474.149	4.150	P 73	(28-0)	833	18474.149	4.150	P 73	(28-0)		
	7.504	P 2	(27-0)			4.763	R 16	(27-0)	833	18474.149	4.150	P 73	(28-0)	833	18474.149	4.150	P 73	(28-0)	833	18474.149	4.150	P 73	(28-0)	833	18474.149	4.150	P 73	(28-0)		
	7.486	R 73	(31-1)			4.689	P 24	(30-1)	834	18473.900	3.925	P 15	(25-0)	834	18473.900	3.925	P 15	(25-0)	834	18473.900	3.925	P 15	(25-0)	834	18473.900	3.925	P 15	(25-0)		
	7.458	P 20	(30-1)			4.689	P 24	(30-1)	834	18473.900	3.925	P 15	(25-0)	834	18473.900	3.925	P 15	(25-0)	834	18473.900	3.925	P 15	(25-0)	834	18473.900	3.925	P 15	(25-0)		
	7.437	R 6	(27-0)			4.689	P 24	(30-1)	835	18473.687	3.688	P 15	(25-0)	835	18473.687	3.688	P 15	(25-0)	835	18473.687	3.688	P 15	(25-0)	835	18473.687	3.688	P 15	(25-0)		
	7.412	P100	(29-0)			4.689	P 24	(30-1)	836	18469.717	9.718	P 22	(27-0)	836	18469.717	9.718	P 22	(27-0)	836	18469.717	9.718	P 22	(27-0)	836	18469.717	9.718	P 22	(27-0)		
	7.408	P 70	(31-1)			4.689	P 24	(30-1)	837	18473.426	3.427	R 19	(27-0)	837	18473.426	3.427	R 19	(27-0)	837	18473.426	3.427	R 19	(27-0)	837	18473.426	3.427	R 19	(27-0)		
	7.375	P 3	(27-0)			4.689	P 24	(30-1)	837	18473.426	3.427	R 19	(27-0)																	



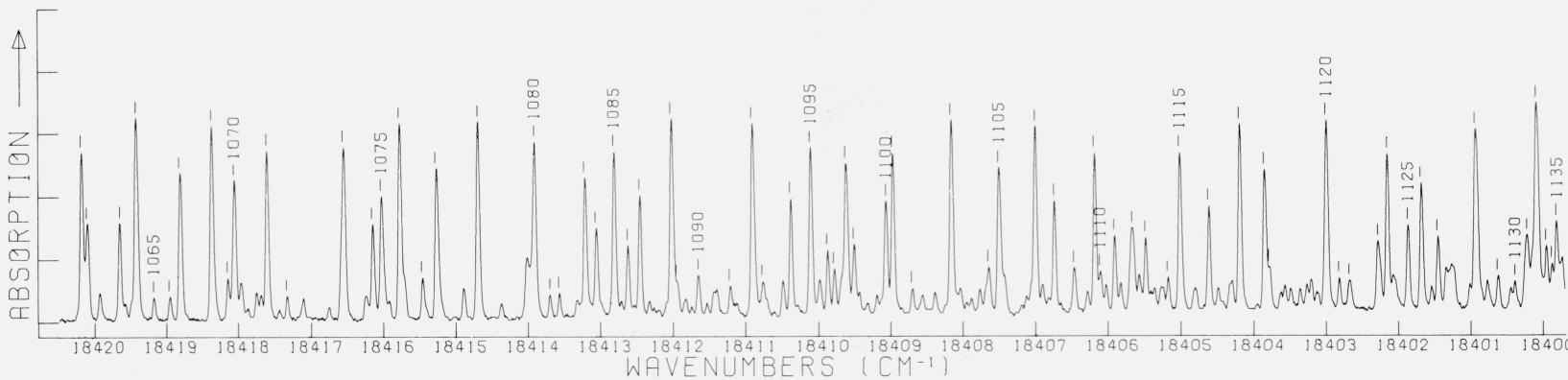
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LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	
18460.409	0.433	R 71	(34-2)		925	18456.574	6.602	P 166	(33-0)	943	18452.586	2.985	P 45	(30-1)	959	18448.618	8.616	R 51	(30-1)	
0.436	R 42	(30-1)				6.575	P 110	(20-0)		944	18452.331	2.350	P 46	(28-0)	960	18448.490	8.480	P 44	(27-0)	
0.426	R 37	(27-0)				6.531	P 70	(34-2)		945	18452.168	2.023	P 47	(26-1)	961	18448.389	8.387	P 48	(26-1)	
0.426	R 39	(30-1)				6.523	P 42	(30-1)			2.167	P 41	(27-0)		962	18448.230	8.230	P 39	(33-2)	
0.226	R 37	(27-0)			926	18456.361	6.362	P 81	(28-0)	946	18452.008	2.005	P 72	(34-2)	963	18447.775	7.775	R 48	(27-0)	
0.226	R 39	(30-1)				6.338	R 178	(34-0)		947	18451.862	1.862	P 143	(31-0)	964	18447.493	7.492	R 88	(28-0)	
0.020	P 28	(33-2)				6.334	P 155	(32-0)		948	18451.616	1.864	P 94	(35-2)	965	18447.433	7.428	P 144	(31-0)	
0.025	P 28	(33-2)			927	18456.265	6.264	P 142	(31-0)		1.811	P 36	(33-2)		966	18447.398	7.398	P 145	(31-0)	
18460.054	0.054	R 144	(31-0)			928	18456.087	6.101	P 107	(20-0)	949	18451.699	1.629	P 83	(28-0)	967	18443.928	3.927	P 51	(30-1)
9.786	P 36	(27-0)				6.083	P 41	(27-0)		950	18451.631	1.629	P 74	(34-2)	978	18443.798	3.797	R 51	(27-0)	
9.786	P 36	(27-0)				6.012	R 73	(34-2)		948	18451.500	1.500	R 45	(27-0)	979	18443.735	3.732	R 114	(29-0)	
9.786	P 36	(27-0)			929	18455.678	5.678	R 145	(31-0)		1.465	R 75	(34-2)		980	18443.268	3.267	P 111	(29-0)	
9.519	R 81	(31-1)				5.597	P 58	(27-0)		947	18451.631	1.629	P 74	(34-2)	981	18443.201	3.199	P 48	(27-0)	
9.504	P 175	(34-0)			930	18455.597	5.597	P 38	(27-0)	948	18451.500	1.500	R 45	(27-0)	982	18443.028	3.029	P 43	(33-2)	
9.458	P 78	(31-1)				5.597	P 38	(27-0)			1.437	R 49	(30-1)		982	18442.961	2.960	P 145	(31-0)	
9.458	P 78	(31-1)			931	18455.452	5.451	46	(30-1)		1.437	R 49	(30-1)		983	18442.885	2.886	R 46	(33-2)	
9.458	P 78	(31-1)				5.451	P 56	(27-0)		946	18451.862	1.862	P 156	(32-0)	984	18442.623	2.625	R 55	(30-1)	
9.371	R 83	(28-0)			932	18455.239	5.239	P 43	(30-1)	932	18451.212	1.260	P 146	(31-0)	985	18442.541	2.572	P 76	(34-2)	
9.235	P 106	(29-0)				5.239	P 43	(30-1)			1.214	P 46	(30-1)		986	18442.417	2.416	R 52	(27-0)	
9.232	R 38	(27-0)			933	18455.119	5.119	P 33	(33-2)		1.179	P 167	(33-0)		987	18442.323	2.323	R 142	(31-0)	
9.203	R 43	(30-1)				4.992	R 158	(32-0)		949	18454.969	0.968	P 42	(27-0)	988	18442.241	2.245	P 134	(30-0)	
9.203	R 43	(30-1)				4.979	R 42	(27-0)		950	18450.969	0.968	P 42	(27-0)	989	18442.176	2.176	P 85	(31-1)	
9.104	P 29	(33-2)				4.979	R 42	(27-0)		949	18454.969	0.968	P 42	(27-0)	990	18442.117	2.111	R 84	(31-1)	
9.104	P 29	(33-2)			934	18454.698	4.998	R 93	(35-2)	949	18450.743	0.739	R 97	(35-2)	991	18441.988	1.988	R 73	(34-2)	
9.000	R 40	(30-1)				4.998	R 93	(35-2)		949	18450.743	0.739	R 97	(35-2)	992	18441.913	1.913	R 56	(30-1)	
8.780	P 35	(27-0)				4.725	R 83	(31-1)		949	18450.649	0.648	P 37	(33-2)	993	18441.850	1.850	R 56	(30-1)	
8.747	P 65	(34-2)				4.706	B 85	(28-0)		949	18450.529	0.529	R 40	(33-2)	994	18441.787	1.787	R 56	(30-1)	
8.674	P 80	(28-0)				4.670	P 80	(31-1)		949	18450.417	0.422	R 179	(34-0)	995	18441.724	1.724	R 56	(30-1)	
8.686	P 80	(28-0)			935	18454.482	4.481	P 39	(27-0)	950	18450.286	0.285	R 46	(27-0)	996	18441.666	1.666	R 56	(30-1)	
8.239	R 72	(34-2)				4.384	R 169	(33-0)		951	18450.215	0.214	R 112	(29-0)	997	18441.603	1.603	R 56	(30-1)	
8.210	R 39	(27-0)			935	18454.395	4.384	P 71	(34-2)	952	18450.032	0.041	P 50	(30-1)	998	18441.540	1.540	R 56	(30-1)	
8.153	P 30	(33-2)				4.284	P 71	(34-2)			0.036	R 159	(32-0)		999	18441.477	1.477	R 56	(30-1)	
9.19	18458.061	9.104	P 29	(33-2)	936	18454.142	4.142	P 47	(30-1)	952	18450.032	0.041	P 50	(30-1)	1000	18441.413	1.413	R 56	(30-1)	
18459.010	0.003	R 40	(30-1)		937	18454.010	4.046	P 34	(33-2)		0.036	R 159	(32-0)		1001	18441.350	1.350	R 56	(30-1)	
18459.010	0.003	R 40	(30-1)			4.010	P 82	(28-0)		952	18450.032	0.041	P 50	(30-1)	1002	18441.287	1.287	R 56	(30-1)	
18458.779	8.780	P 35	(27-0)		934	18454.707	4.725	R 83	(31-1)		0.036	R 159	(32-0)		1003	18441.224	1.224	R 56	(30-1)	
8.747	P 36	(27-0)				4.725	R 83	(31-1)		952	18450.032	0.041	P 50	(30-1)	1004	18441.161	1.161	R 56	(30-1)	
8.705	R 129	(30-0)				3.885	R 130	(30-0)		953	18449.927	9.926	R 87	(28-0)	1005	18441.098	1.098	R 56	(30-1)	
7.674	P 126	(30-0)				3.864	P 127	(30-0)		954	18449.816	9.815	P 47	(30-1)	1006	18441.035	1.035	R 56	(30-1)	
7.674	P 126	(30-0)				3.847	P 43	(27-0)		955	18449.744	9.762	P 82	(31-1)	1007	18441.072	1.072	R 56	(30-1)	
7.177	P 110	(36-2)				3.796	P 96	(35-2)		956	18449.644	9.742	P 43	(27-0)	1008	18441.009	1.009	R 56	(30-1)	
7.172	P 31	(33-2)			18453.759	3.754	R 74	(34-2)		956	18449.453	9.454	P 38	(33-2)	1009	18440.846	0.846	R 56	(30-1)	
7.160	R 40	(27-0)			18453.627	3.631	P 176	(34-0)		956	18449.453	9.454	P 38	(33-2)	1010	18440.783	0.783	R 56	(30-1)	
7.137	R 82	(31-1)			18453.531	3.535	P 110	(36-2)		956	18449.331	9.332	R 41	(33-2)	1011	18440.720	0.720	R 56	(30-1)	
7.053	R 86	(28-0)			18453.339	3.409	R 111	(29-0)		957	18449.221	9.220	P 84	(28-0)	1012	18440.657	0.657	R 56	(30-1)	
7.053	R 86	(28-0)			18452.933	2.944	P 35	(33-2)		18449.148	9.143	R 76	(34-2)	1013	18440.594	0.594	R 56	(30-1)		
6.821	R 95	(35-2)			18452.933	2.944	P 108	(29-0)		18449.044	9.043	P 47	(27-0)	1014	18440.531	0.531	R 56	(30-1)		
6.731	R 45	(30-1)			18452.811	2.804	P 48	(30-1)		18448.936	8.931	R 170	(33-0)	1015	18440.468	0.468	R 56	(30-1)		
6.686	P 37	(27-0)			18452.688	2.687	R 44	(27-0)		18448.787	8.785	P 95	(35-2)	1016	18440.017	0.020	R 56	(30-2)		
6.686	P 37	(27-0)			942	18452.688	2.687	R 44	(27-0)			0.019	R 91	(28-0)	1017	18440.017	0.020	R 56	(30-2)	
6.686	P 37	(27-0)									0.019	R 91	(28-0)	1018	18440.017	0.020	R 56	(30-2)		

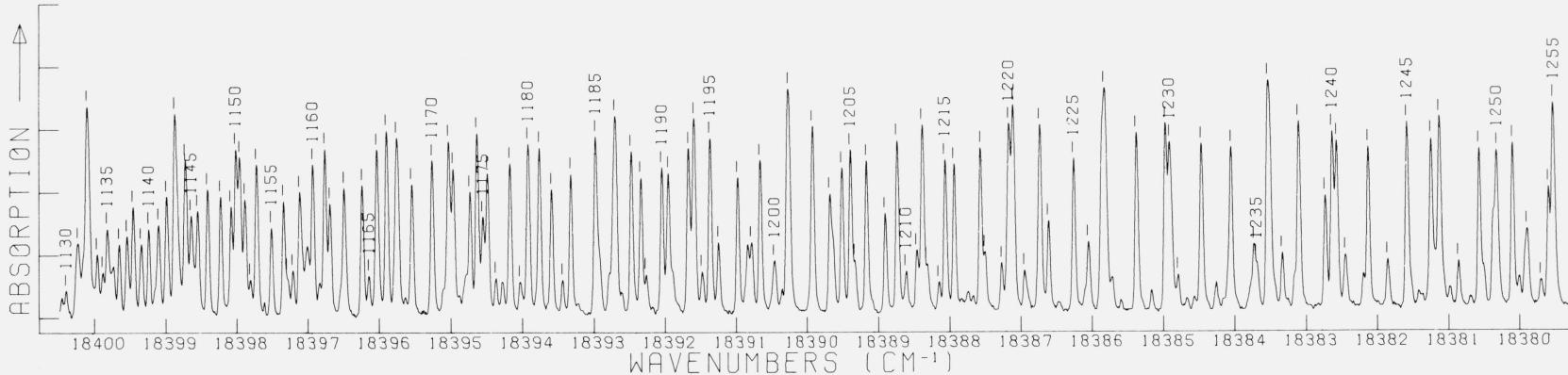


9C

LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT					
990	18440.391	990	0.447	P 115 (29-0)	1004	18436.743	6.743	P 89 (26-0)	1005	18436.621	6.670	P 113 (29-0)	1023	18432.287	2.287	P 56 (27-0)	1024	18431.980	1.978	P 99 (35-2)	1025	18431.551	1.550	P 91 (28-0)
991	18440.240	995	0.246	P 45 (35-2)	1006	18436.414	6.406	P 159 (32-0)	1007	18436.167	6.167	R 59 (30-1)	1020	18432.287	2.286	R 56 (27-0)	1020	18431.638	1.698	P 99 (35-2)	1020	18431.297	1.339	P 160 (32-0)
992	18440.017	1000	0.135	P 77 (34-2)	1008	18435.967	5.966	P 53 (27-0)	1009	18435.674	5.843	P 48 (33-2)	1026	18431.551	1.550	P 91 (28-0)	1026	18431.014	1.018	R 62 (30-1)	1026	18431.165	1.165	P 56 (27-0)
993	18439.574	9983	9.617	P 112 (29-0)	1009	18435.674	5.676	R 51 (33-1)	1010	18435.100	5.165	P 79 (32-2)	1027	18431.165	1.165	P 51 (33-2)	1027	18431.165	1.165	P 51 (33-2)	1027	18431.165	1.165	P 51 (33-2)
994	18439.455	9.572	9.572	P 54 (27-0)	1011	18434.893	4.955	R 57 (30-1)	1012	18434.438	4.437	R 57 (27-0)	1027	18431.014	1.018	R 62 (30-1)	1027	18431.014	1.018	R 62 (30-1)	1027	18431.014	1.018	R 62 (30-1)
995	18439.373	9.539	9.539	P 80 (34-2)	1011	18434.893	4.893	R 93 (28-0)	1012	18434.438	4.437	R 57 (27-0)	1028	18430.757	0.757	P 59 (30-1)	1028	18430.757	0.757	P 59 (30-1)	1028	18430.757	0.757	P 59 (30-1)
996	18439.296	9.207	9.207	P 88 (28-0)	1012	18434.438	4.437	R 80 (30-2)	1013	18434.323	4.342	P 132 (30-0)	1030	18430.069	0.067	P 81 (34-2)	1030	18430.069	0.067	P 81 (34-2)	1030	18430.069	0.067	P 81 (34-2)
997	18439.205	8.309	8.309	P 54 (30-1)	1013	18434.323	4.337	R 91 (31-1)	1031	18429.954	9.953	P 115 (29-0)	1045	18426.012	6.014	R 57 (32-0)	1045	18426.012	6.014	R 57 (32-0)	1045	18426.012	6.014	R 57 (32-0)
998	18438.849	8.942	8.942	P 51 (27-0)	1014	18434.223	4.223	R 60 (30-1)	1014	18434.161	4.161	P 57 (30-1)	1032	18429.673	9.682	P 57 (27-0)	1046	18425.606	5.605	R 65 (30-1)	1046	18425.606	5.605	R 65 (30-1)
999	18438.110	8.178	8.178	P 101 (35-2)	1014	18434.223	4.223	P 88 (31-1)	1015	18434.161	4.161	P 90 (28-0)	1035	18428.912	8.980	P 101 (35-2)	1047	18425.404	5.402	R 63 (27-0)	1047	18425.404	5.402	R 63 (27-0)
1000	18437.814	7.825	7.825	P 58 (30-1)	1015	18434.161	4.142	R 52 (33-2)	1016	18433.929	3.928	P 147 (31-0)	1033	18429.360	9.362	P 148 (31-0)	1048	18424.681	4.679	P 60 (27-0)	1048	18424.681	4.679	P 60 (27-0)
1001	18437.666	7.665	7.665	P 78 (34-2)	1016	18433.929	3.928	P 147 (31-0)	1017	18433.785	3.784	R 117 (29-0)	1034	18429.245	9.243	R 63 (30-1)	1049	18424.293	4.296	R 58 (33-2)	1049	18424.293	4.296	R 58 (33-2)
1002	18437.469	7.471	7.471	R 92 (28-0)	1017	18433.553	3.552	R 58 (27-0)	1018	18433.553	3.552	R 58 (31-0)	1035	18428.912	8.980	P 60 (30-1)	1049	18424.178	4.176	R 86 (34-2)	1049	18424.178	4.176	R 86 (34-2)
1003	18437.131	7.179	7.179	R 50 (33-2)	1020	18432.882	2.928	P 100 (35-2)	1021	18432.760	2.764	R 61 (30-1)	1036	18428.747	8.918	P 90 (31-1)	1050	18423.691	3.742	R 66 (30-1)	1050	18423.691	3.742	R 66 (30-1)
1004	18437.061	7.131	7.131	R 116 (29-0)	1021	18432.760	2.764	R 61 (30-1)	1036	18428.747	8.911	P 92 (28-0)	1050	18423.691	3.742	R 66 (30-1)	1050	18424.052	4.052	R 152 (31-0)	1050	18424.052	4.052	R 152 (31-0)
1005	18436.972	6.992	6.992	R 90 (31-1)	1022	18432.579	2.578	R 53 (33-2)	1022	18432.579	2.578	R 53 (33-2)	1036	18428.670	8.670	R 151 (31-0)	1049	18428.405	8.408	R 104 (35-2)	1049	18428.405	8.408	R 104 (35-2)
		6.962	6.962	P 87 (31-1)											1051	18423.551	3.564	R 120 (29-0)	1051	18423.551	3.564	R 120 (29-0)		
															1052	18423.117	3.116	P 117 (29-0)	1052	18423.117	3.116	P 117 (29-0)		
															1053	18422.958	3.016	P 103 (35-2)	1053	18422.958	3.016	P 103 (35-2)		
															1054	18422.252	2.253	P 135 (30-0)	1054	18422.252	2.253	P 135 (30-0)		
															1055	18422.194	2.194	R 138 (30-0)	1055	18422.194	2.194	R 138 (30-0)		
															1056	18421.950	1.948	R 65 (27-0)	1056	18421.950	1.948	R 65 (27-0)		
															1057	18421.572	1.572	R 106 (35-2)	1057	18421.572	1.572	R 106 (35-2)		
															1058	18421.207	1.204	P 62 (27-0)	1058	18421.207	1.204	P 62 (27-0)		
															1059	18420.882	0.882	P 95 (28-0)	1059	18420.882	0.882	P 95 (28-0)		
															1060	18420.600	0.604	R 60 (33-2)	1060	18420.600	0.604	R 60 (33-2)		
															1061	18420.182	0.179	R 66 (27-0)	1061	18420.182	0.179	R 66 (27-0)		
															1062	18420.099	0.097	R 121 (29-0)	1062	18420.099	0.097	R 121 (29-0)		
															1063	18419.653	9.655	P 65 (30-1)	1063	18419.653	9.655	P 65 (30-1)		
															1064	18419.577	9.653	P 118 (29-0)	1064	18419.577	9.653	P 118 (29-0)		
															1064	18419.428	9.646	P 104 (35-2)	1064	18419.428	9.646	P 104 (35-2)		
															1064	18419.428	9.646	P 63 (27-0)	1064	18419.428	9.646	P 63 (27-0)		
															9.401	R 153 (31-1)	9.401	R 153 (31-1)						

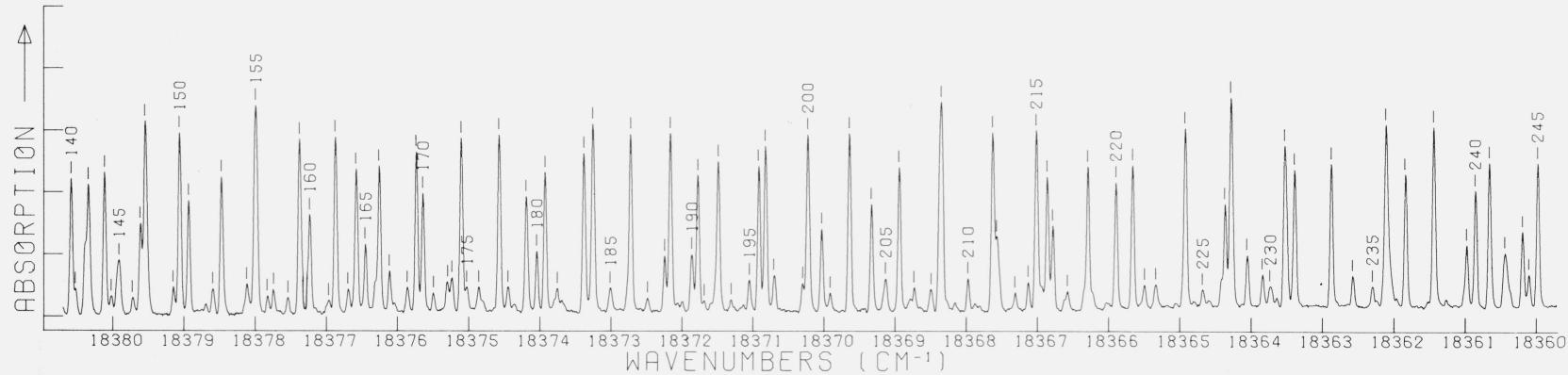


LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT									
1061	18420.182	0.179	R 66	(27-0)	1079	18414.708	4.717	R 154	(31-0)	1081	18414.384	4.372	R 166	(32-0)	1091	18411.225	1.230	R 13	(29-1)	1104	18407.657	7.707	P 64	(33-2)				
1062	18420.099	0.132	P 150	(31-0)			4.705	R 69	(27-0)			4.398	R 71	(30-1)		1092	18410.918	0.916	R 65	(33-2)			7.658	R 92	(34-2)			
	0.097	R 121	(29-0)		1080	18413.927	4.036	P 137	(30-0)		4.010	P 87	(34-2)		1093	18410.774	0.779	P 11	(29-1)			7.652	R 21	(29-1)				
1063	18419.653	9.655	P 65	(30-1)			3.988	R 71	(30-1)			3.955	R 140	(30-0)		1094	18410.390	0.394	P 12	(29-1)			7.521	R 103	(28-0)			
	9.655	P 118	(29-0)				3.923	P 66	(27-0)			3.722	P 61	(33-2)			1.222	P 88	(34-2)			7.521	R 103	(28-0)				
1064	18419.577	9.571	R 165	(32-0)	1081	18413.711	3.710	P 68	(30-1)	1082	18413.580	3.581	R 61	(33-2)		1095	18410.118	0.115	P 68	(30-1)	1096	18407.517	7.708	P 11	(29-1)			
	9.426	P 63	(27-0)			1082	18413.580	3.581	R 61	(33-2)		3.342	R 64	(33-2)			0.779	P 11	(29-1)			7.078	R 22	(29-1)				
	9.401	R 153	(31-0)			1083	18413.228	3.228	R 90	(34-2)		3.228	R 101	(28-0)			0.770	P 152	(31-0)			7.078	R 22	(29-1)				
1065	18419.181	9.178	P 58	(33-2)			3.292	R 90	(34-2)			3.292	R 90	(34-2)			0.491	R 91	(34-2)			7.078	R 22	(29-1)				
1066	18418.958	9.858	R 61	(33-2)			3.228	R 101	(28-0)			3.228	R 101	(28-0)			0.394	P 12	(29-1)			7.078	R 22	(29-1)				
1067	18418.819	8.819	R 99	(28-0)			3.212	R 1	(29-1)			3.201	R 2	(29-1)			0.389	R 102	(28-0)			7.078	R 22	(29-1)				
	8.798	R 88	(34-2)				3.194	R 0	(29-1)			3.163	R 3	(29-1)			0.389	R 102	(28-0)			7.078	R 22	(29-1)				
1068	18418.385	8.382	P 67	(27-0)			3.194	R 0	(29-1)			3.163	R 3	(29-1)			0.100	R 18	(29-1)			7.078	R 22	(29-1)				
1069	18418.162	8.161	P 136	(30-0)			3.163	R 3	(29-1)			3.163	R 3	(29-1)			0.000	R 155	(31-0)			7.078	R 22	(29-1)				
1070	18418.069	8.090	R 139	(30-0)	1084	18413.073	3.097	R 4	(29-1)		3.073	P 1	(29-1)			9.981	P 13	(29-1)			7.078	R 22	(29-1)					
	8.065	P 96	(28-0)				3.073	P 1	(29-1)			3.073	P 1	(29-1)			1.115	P 13	(29-1)			7.078	R 22	(29-1)				
18417.976	7.978	R 69	(30-1)			3.071	R 123	(29-0)			3.071	R 123	(29-0)			9.881	P 73	(30-1)			7.078	R 22	(29-1)					
18417.885	7.888	P 173	(33-0)			3.002	R 5	(29-1)			3.002	R 5	(29-1)			9.881	P 138	(30-0)			7.078	R 22	(29-1)					
18417.766	7.767	P 94	(31-1)		1085	18412.826	2.879	R 6	(29-1)	1086	18412.725	2.728	R 7	(29-1)	1097	18409.788	9.787	R 141	(30-0)	1098	18409.627	9.696	P 63	(33-2)				
	7.766	R 97	(31-1)				2.879	R 6	(29-1)			2.879	R 6	(29-1)			9.712	R 177	(33-0)			9.696	P 63	(33-2)				
18417.705	7.705	P 66	(30-1)			2.835	P 3	(29-1)			2.835	P 3	(29-1)			9.667	R 17	(29-1)			9.667	R 17	(29-1)					
18417.622	7.619	P 64	(27-0)			2.805	P 106	(35-2)			2.805	P 106	(35-2)			9.667	R 167	(32-0)			9.667	R 167	(32-0)					
18417.450	7.344	P 59	(33-2)		1086	18412.635	2.728	R 7	(29-1)	1087	18412.470	2.493	P 5	(29-1)	1099	18409.514	9.541	P 18	(29-1)	1100	18409.078	9.137	R 167	(32-0)				
1071	18417.121	7.117	R 62	(33-2)			2.680	P 4	(29-1)			2.680	P 4	(29-1)			9.512	R 124	(29-0)			9.512	R 124	(29-0)				
18416.768	6.766	P 66	(34-2)			2.634	P 120	(29-0)			2.634	P 120	(29-0)			9.445	R 66	(33-2)			9.445	R 66	(33-2)					
1073	18416.562	6.599	R 122	(29-0)			2.549	R 8	(29-1)			2.549	R 8	(29-1)			9.355	P 107	(35-2)			9.355	P 107	(35-2)				
	6.557	R 68	(27-0)				2.468	P 98	(28-0)			2.468	P 98	(28-0)			9.205	R 18	(29-1)			9.205	R 18	(29-1)				
18416.241	6.242	P 105	(35-2)			2.278	P 6	(29-1)			2.278	P 6	(29-1)			9.084	P 97	(31-1)			9.084	P 97	(31-1)					
1074	18416.161	6.159	P 119	(29-0)			2.278	P 6	(29-1)			2.278	P 6	(29-1)			9.080	P 121	(29-0)			9.080	P 121	(29-0)				
1075	18416.040	6.061	R 89	(34-2)			2.106	R 10	(29-1)			2.106	R 10	(29-1)			9.072	P 15	(29-1)			9.072	P 15	(29-1)				
	6.038	R 100	(28-0)				2.035	P 7	(29-1)			2.035	P 7	(29-1)			1113	18405.494	5.495	P 122	(29-0)			1113	18405.494	5.495	P 122	(29-0)
	5.998	R 70	(30-1)				2.035	P 7	(29-1)			2.035	P 7	(29-1)			5.481	P 165	(32-0)			5.481	P 165	(32-0)				
18415.931	5.928	P 163	(32-0)				2.035	P 7	(29-1)			2.035	P 7	(29-1)			5.424	R 68	(33-2)			5.424	R 68	(33-2)				
1076	18415.787	5.785	P 65	(27-0)			2.035	P 67	(27-0)			2.035	P 67	(27-0)			5.372	P 72	(30-1)			5.372	P 72	(30-1)				
	5.721	P 67	(30-1)				2.008	P 96	(31-1)			2.008	P 96	(31-1)			5.249	R 156	(31-0)			5.249	R 156	(31-0)				
1077	18415.471	5.471	P 60	(33-2)	1089	18411.957	1.997	R 99	(31-1)		18409.339	2.341	R 9	(29-1)	1090	18411.667	1.669	R 69	(30-1)	1091	18408.574	8.574	P 18	(29-1)				
	5.467	P 151	(31-0)				1.997	R 99	(31-1)			1.997	R 99	(31-1)			1.994	R 72	(30-1)			1.994	R 72	(30-1)				
	5.425	R 176	(33-0)				1.881	R 842	(29-1)			1.881	R 842	(29-1)			1.881	R 842	(29-1)			1.881	R 842	(29-1)				
1078	18415.281	5.281	P 97	(28-0)			1.841	P 1761	(29-1)			1.841	P 1761	(29-1)			1.840	P 049	(27-1)			1.840	P 049	(27-1)				
	5.245	P 63	(33-2)				1.841	P 1761	(29-1)			1.841	P 1761	(29-1)			1.841	P 1761	(29-1)			1.841	P 1761	(29-1)				
	4.904	P 95	(31-1)				1.841	P 1761	(29-1)			1.841	P 1761	(29-1)			1.840	P 900	(28-0)			1.840	P 900	(28-0)				
	4.897	R 98	(31-1)				1.841	P 1761	(29-1)			1.841	P 1761	(29-1)			1.841	P 1761	(29-1)			1.841	P 1761	(29-1)				
							1.841	P 1547	(1.550)			1.841	P 1547	(1.550)			1.840	P 049	(1.547)			1.840	P 049	(1.547)				

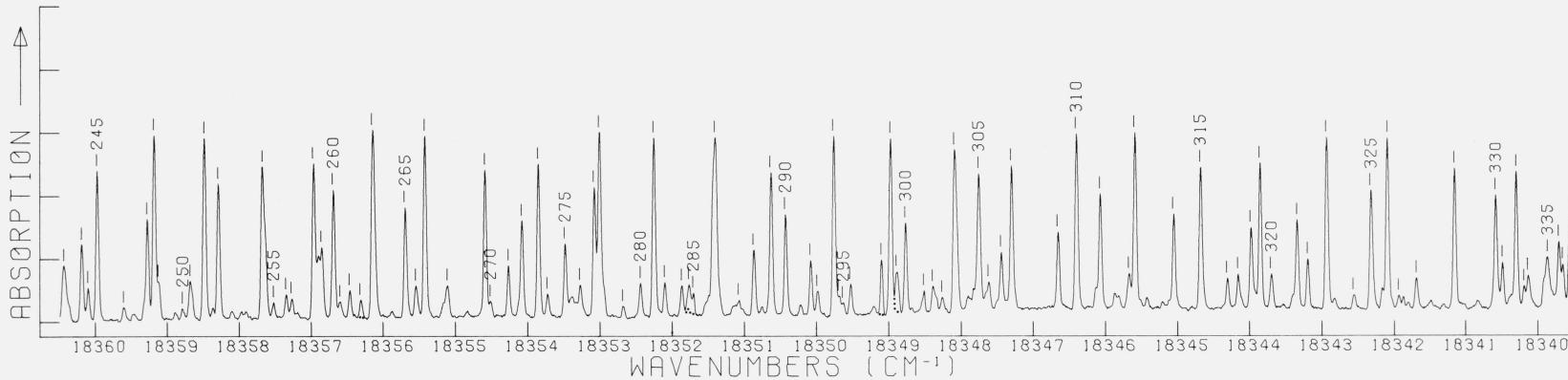


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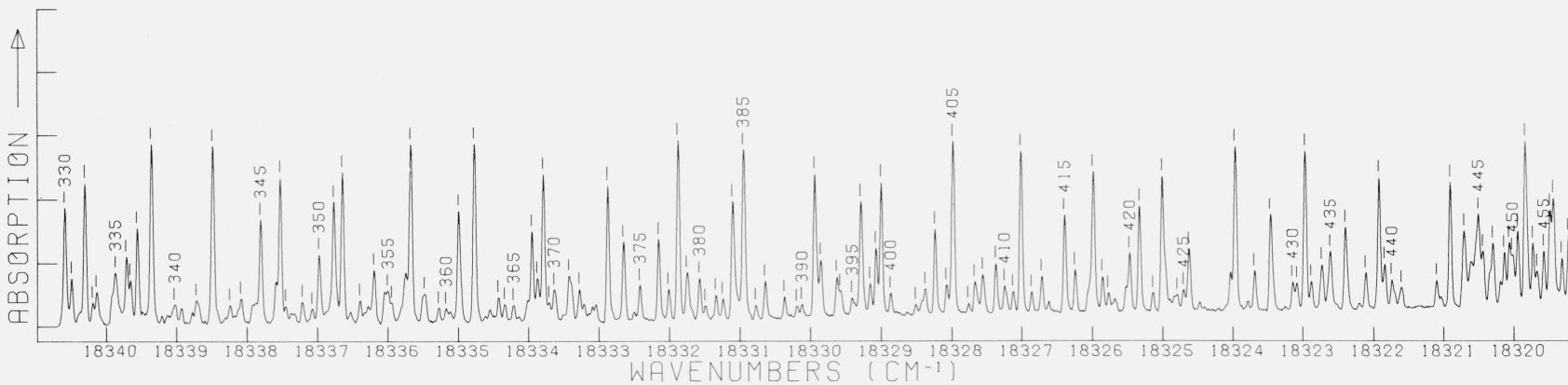
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18400.466	0.464	R 157 (31-0)	1154	18397.736	7.738	R 15 (26-0)	1154	18397.736	7.729	P 31 (29-1)	1181	18393.771	3.819	P 94 (34-2)	P 168 (32-0)	1204	18389.528	9.550	P 168 (32-0)	4.513	R 108 (31-1)			
1130 18400.405	0.406	P 28 (29-1)	0.264	R 1 (26-0)	1155	18397.527	7.528	P 12 (26-0)	1156	18397.355	7.356	R 16 (26-0)	1156	18397.355	3.771	P 76 (27-0)	9.526	P 26 (26-0)	4.484	P 32 (26-0)				
1131 18400.239	0.243	R 2 (26-0)	0.258	R 0 (26-0)	1155	18397.302	7.301	R 6 (39-3)	1157	18397.224	7.223	P 141 (30-0)	1158	18397.130	7.131	P 13 (26-0)	1182	18393.601	3.601	P 20 (26-0)	9.529	P 78 (27-0)		
0.243	R 0 (26-0)	1157	18397.302	7.301	R 6 (39-3)	1158	18397.224	7.223	P 141 (30-0)	1159	18397.130	7.131	P 13 (26-0)	1183	18393.447	3.601	P 20 (26-0)	9.530	P 78 (27-0)					
0.225	R 3 (26-0)	1158	18397.224	7.223	P 141 (30-0)	0.206	P 166 (32-0)	1159	18397.130	7.131	P 13 (26-0)	1184	18393.332	3.332	R 24 (26-0)	1208	18389.920	9.921	P 106 (28-0)	4.279	P 144 (30-0)			
0.206	P 166 (32-0)	1159	18397.130	7.131	P 13 (26-0)	0.166	R 4 (26-0)	1185	18397.025	7.092	R 144 (30-0)	1185	18392.989	3.006	R 97 (34-2)	1208	18389.754	8.753	P 27 (26-0)	4.169	P 169 (32-0)			
0.166	R 4 (26-0)	1185	18397.025	7.092	R 144 (30-0)	0.126	P 100 (31-1)	7.079	P 101 (31-1)	0.121	P 1 (26-0)	7.040	R 35 (29-1)	2.989	P 21 (26-0)	1210	18388.627	8.625	P 143 (30-0)	4.109	P 147 (30-0)			
0.126	P 100 (31-1)	7.079	P 101 (31-1)	7.040	R 35 (29-1)	0.109	P 73 (27-0)	7.037	R 104 (31-1)	0.121	P 1 (26-0)	7.037	R 104 (31-1)	2.989	R 39 (29-1)	1211	18388.477	8.483	R 43 (29-1)	4.066	P 36 (26-0)			
0.109	P 73 (27-0)	7.037	R 104 (31-1)	7.037	R 104 (31-1)	0.091	R 103 (31-1)	7.008	R 72 (33-2)	0.091	R 103 (31-1)	7.008	R 72 (33-2)	2.990	P 142 (30-0)	1212	18388.400	8.420	P 73 (33-2)	3.793	P 75 (33-2)			
0.091	R 103 (31-1)	7.008	R 72 (33-2)	7.008	R 72 (33-2)	0.079	R 5 (26-0)	1160	18396.947	6.947	R 17 (26-0)	1160	18396.947	2.797	R 145 (30-0)	1213	18388.336	9.405	P 78 (27-0)	3.745	R 131 (29-0)			
0.079	R 5 (26-0)	1160	18396.947	6.947	R 17 (26-0)	0.019	P 2 (26-0)	1161	18396.850	6.852	R 79 (30-1)	1161	18396.778	2.742	R 108 (28-0)	1214	18388.166	8.168	P 40 (29-1)	3.549	P 33 (26-0)			
0.019	P 2 (26-0)	1161	18396.850	6.852	R 79 (30-1)	0.199	P 2 (26-0)	1161	18396.850	6.800	P 93 (34-2)	1161	18396.778	2.742	R 108 (28-0)	1215	18388.081	8.097	R 76 (33-2)	3.523	R 47 (29-1)			
1133 18399.967	9.966	R 6 (26-0)	1161	18396.778	6.800	P 93 (34-2)	1162	18396.707	6.707	P 14 (26-0)	1162	18396.707	2.708	R 25 (26-0)	1216	18387.953	7.953	P 28 (26-0)	3.523	R 111 (28-0)				
1134 18399.888	9.891	P 3 (26-0)	1162	18396.707	6.707	P 14 (26-0)	1163	18396.510	6.565	P 76 (30-1)	1163	18396.510	2.708	R 25 (26-0)	1217	18387.586	7.586	R 32 (26-0)	3.455	R 78 (33-2)				
1135 18399.826	9.826	R 7 (26-0)	1163	18396.510	6.565	P 76 (30-1)	9.781	R 32 (29-1)	1164	18396.257	6.257	P 15 (26-0)	1164	18396.257	2.708	R 25 (26-0)	1218	18387.521	7.518	R 130 (29-0)	3.349	P 128 (29-0)		
9.781	R 32 (29-1)	1164	18396.257	6.257	P 15 (26-0)	9.736	P 4 (26-0)	1165	18396.163	6.163	P 76 (30-1)	1165	18396.163	2.708	R 25 (26-0)	1219	18387.285	7.286	R 44 (29-1)	3.181	P 44 (29-1)			
9.736	P 4 (26-0)	1165	18396.163	6.163	P 76 (30-1)	9.659	R 8 (26-0)	1166	18396.051	6.070	P 14 (26-0)	1166	18396.051	2.708	R 25 (26-0)	1220	18387.184	7.181	P 79 (27-0)	2.757	R 85 (30-1)			
9.659	R 8 (26-0)	1166	18396.051	6.070	P 14 (26-0)	9.554	P 5 (26-0)	1167	18395.914	5.911	P 75 (27-0)	1167	18395.914	2.708	R 25 (26-0)	1221	18387.125	7.126	P 29 (26-0)	2.742	P 108 (28-0)			
9.554	P 5 (26-0)	1167	18395.914	5.911	P 75 (27-0)	9.454	P 6 (33-2)	1168	18395.770	5.802	P 33 (29-1)	1168	18395.770	2.708	R 25 (26-0)	1222	18387.696	6.964	P 41 (29-1)	3.119	R 37 (26-0)			
9.454	P 6 (33-2)	1168	18395.770	5.802	P 33 (29-1)	9.444	P 68 (33-2)	1169	18395.559	5.559	R 20 (26-0)	1169	18395.559	2.708	R 25 (26-0)	1223	18386.747	7.691	R 107 (31-1)	2.757	R 85 (30-1)			
9.444	P 68 (33-2)	1169	18395.559	5.559	R 20 (26-0)	9.345	P 6 (26-0)	1170	18395.276	5.275	P 17 (26-0)	1170	18395.276	2.708	R 25 (26-0)	1224	18386.625	6.625	R 110 (28-0)	2.647	P 81 (27-0)			
9.345	P 6 (26-0)	1170	18395.276	5.275	P 17 (26-0)	9.097	R 78 (30-1)	1171	18395.045	5.127	P 70 (33-2)	1171	18395.045	2.708	R 25 (26-0)	1225	18386.273	6.272	P 26 (26-0)	2.647	P 81 (27-0)			
9.097	R 78 (30-1)	1171	18395.045	5.127	P 70 (33-2)	9.097	R 11 (26-0)	1172	18394.981	4.982	P 104 (28-0)	1172	18394.981	2.708	R 25 (26-0)	1226	18386.067	6.122	P 74 (33-2)	1.087	P 79 (33-2)			
9.097	R 11 (26-0)	1172	18394.981	4.982	P 104 (28-0)	8.997	R 11 (26-0)	1173	18394.745	4.744	P 18 (26-0)	1173	18394.745	2.708	R 25 (26-0)	1227	18385.844	5.908	R 160 (31-0)	0.989	R 161 (31-0)			
8.997	R 11 (26-0)	1173	18394.745	4.744	P 18 (26-0)	8.964	R 95 (34-2)	1174	18394.645	4.644	P 79 (27-0)	1174	18394.645	2.708	R 25 (26-0)	1228	18385.735	5.731	P 42 (29-1)	1.087	P 86 (30-1)			
8.964	R 95 (34-2)	1174	18394.645	4.644	P 79 (27-0)	8.722	R 12 (26-0)	1175	18394.563	4.577	R 80 (30-1)	1175	18394.563	2.708	R 25 (26-0)	1229	18385.183	5.181	R 84 (30-1)	1.087	P 86 (30-1)			
8.722	R 12 (26-0)	1175	18394.563	4.577	R 80 (30-1)	8.653	R 127 (29-0)	1176	18394.500	4.499	R 22 (26-0)	1176	18394.500	2.708	R 25 (26-0)	1230	18384.929	4.928	P 20 (27-0)	1.087	P 101 (30-0)			
8.653	R 127 (29-0)	1176	18394.500	4.499	R 22 (26-0)	8.649	P 30 (29-1)	1177	18394.382	4.382	R 22 (26-0)	1177	18394.382	2.708	R 25 (26-0)	1231	18384.808	4.806	R 46 (29-1)	1.087	P 102 (31-1)			
8.649	P 30 (29-1)	1177	18394.382	4.382	R 22 (26-0)	8.557	P 9 (26-0)	1178	18394.292	4.289	P 77 (30-1)	1178	18394.292	2.708	R 25 (26-0)	1232	18384.391	5.391	P 31 (26-0)	1.087	P 86 (30-1)			
8.557	P 9 (26-0)	1178	18394.292	4.289	P 77 (30-1)	8.421	P 13 (26-0)	1179	18394.186	4.186	P 29 (26-0)	1179	18394.186	2.708	R 25 (26-0)	1233	18384.341	5.391	R 112 (28-0)	1.087	P 86 (30-1)			
8.421	P 13 (26-0)	1179	18394.186	4.186	P 29 (26-0)	8.243	P 10 (26-0)	1179	18394.043	4.044	R 30 (31-1)	1179	18394.043	2.708	R 25 (26-0)	1234	18384.583	4.581	P 105 (31-1)	1.087	P 86 (30-1)			
8.243	P 10 (26-0)	1179	18394.043	4.044	R 30 (31-1)	8.176	R 179 (33-0)	1179	18394.593	3.953	R 105 (31-1)	1179	18394.593	2.708	R 25 (26-0)	1235	18379.714	9.717	R 148 (30-0)	1.087	P 86 (30-1)			
8.176	R 179 (33-0)	1179	18394.593	3.953	R 105 (31-1)	8.093	R 14 (26-0)	1177	18394.382	4.382	R 22 (26-0)	1177	18394.382	2.708	R 25 (26-0)	1236	18379.543	9.505	R 50 (29-1)	1.087	P 86 (30-1)			
8.093	R 14 (26-0)	1177	18394.382	4.382	R 22 (26-0)	8.024	P 74 (27-0)	1179	18394.043	4.044	P 102 (31-1)	1179	18394.043	2.708	R 25 (26-0)	1237	18379.543	9.505	R 50 (29-1)	1.087	P 86 (30-1)			
8.024	P 74 (27-0)	1179	18394.043	4.044	P 102 (31-1)	7.982	R 34 (29-1)	1178	18394.186	4.186	P 29 (26-0)	1178	18394.186	2.708	R 25 (26-0)	1238	18379.911	9.941	R 132 (29-0)	1.087	P 86 (30-1)			
7.982	R 34 (29-1)	1178	18394.186	4.186	P 29 (26-0)	7.969	P 103 (28-0)	1179	18394.043	4.044	R 38 (29-1)	1179	18394.043	2.708	R 25 (26-0)	1239	18379.911	9.941	R 132 (29-0)	1.087	P 86 (30-1)			
7.969	P 103 (28-0)	1179	18394.043	4.044	R 38 (29-1)	7.898	P 11 (26-0)	1180	18393.930	3.953	R 105 (31-1)	1180	18393.930	2.708	R 25 (26-0)	1240	18379.609	9.609	P 109 (28-0)	1.087	P 86 (30-1)			
7.898	P 11 (26-0)	1180	18393.930	3.953	R 105 (31-1)	7.898	P 11 (26-0)	1180	18393.930	3.929	R 23 (26-0)	1180	18393.930	2.708	R 25 (26-0)	1241	18379.543	9.505	R 50 (29-1)	1.087	P 86 (30-1)			



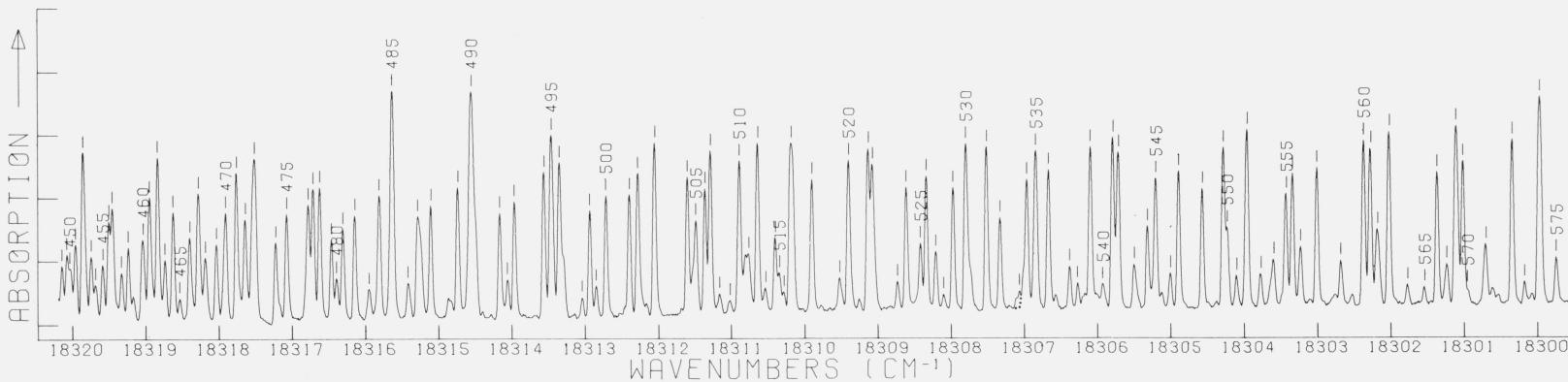
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140	18380.583	9.565	P 56 (26-0)		164	18376.574	6.621	P 56 (33-2)		187	18372.479	2.481	P 86 (30-1)		209	18368.353	8.373	P 86 (27-0)				
141	18380.523	9.518	P 51 (29-1)				6.518	R 67 (26-0)		188	18372.240	2.242	R 134 (29-0)				8.345	R 135 (29-0)				
142	18380.341	9.339	R 112 (28-0)		165	18376.446	6.447	P 110 (26-0)			2.237	R 55 (29-1)				8.343	R 50 (26-0)					
		0.304	R 86 (30-1)		166	18376.250	6.310	P 49 (29-1)		189	18372.159	2.159	R 7 (26-0)			8.266	P 110 (31-1)					
143	18380.115	9.115	R 40 (26-0)			6.257	R 81 (33-2)		18372.053	2.049	P 101 (34-2)		210	18368.159	8.160	R 113 (31-1)						
144	18380.020	9.017	R 83 (30-1)		167	18376.105	6.107	R 133 (29-0)		190	18371.956	1.991	P 160 (31-0)			8.160	P 132 (29-0)					
145	18379.911	9.941	R 132 (29-0)			6.036	R 162 (31-0)			190	18371.856	1.984	P 131 (29-0)		210	18367.973	7.975	R 105 (34-2)				
		9.900	P 145 (30-0)		168	18375.855	5.731	R 44 (26-0)		191	18371.774	1.774	P 52 (29-1)			7.817	P 172 (32-0)					
146	18379.716	9.717	R 148 (30-0)		169	18375.731	5.731	R 23 (29-0)		192	18371.684	1.684	P 52 (29-0)		211	18367.629	7.650	P 47 (26-0)				
147	18379.608	9.609	P 109 (28-0)			5.723	P 130 (29-0)			193	18371.487	1.487	P 52 (33-2)		212	18367.573	7.594	R 91 (30-1)				
148	18379.542	9.551	P 129 (29-0)		170	18375.638	5.637	P 84 (27-0)			1.501	P 109 (31-1)				7.569	R 116 (28-0)					
		9.540	P 37 (26-0)		171	18375.492	5.490	P 146 (30-0)		193	18371.487	1.474	P 174 (32-0)			7.553	P 58 (29-1)					
		9.505	P 50 (29-1)		172	18375.296	5.310	R 88 (30-1)			1.493	R 112 (31-1)				7.509	P 88 (30-1)					
149	18379.145	9.144	R 47 (29-1)			5.292	R 149 (30-0)		194	18371.303	1.303	R 83 (33-2)		213	18367.310	7.309	P 88 (26-0)					
150	18379.059	9.059	R 41 (26-0)		173	18375.231	5.256	P 100 (31-2)		194	18371.303	1.303	R 83 (33-2)		214	18367.126	7.125	P 55 (29-1)				
		9.042	P 77 (33-2)			5.229	R 53 (29-1)		195	18371.048	1.049	R 163 (31-0)		215	18367.016	7.017	R 51 (26-0)					
151	18378.931	8.931	R 86 (27-0)		174	18375.108	5.100	P 41 (26-0)			1.047	P 147 (30-0)				6.993	P 161 (30-1)					
152	18378.754	8.754	P 170 (32-0)		175	18375.018	5.023	R 85 (30-1)		196	18370.915	0.914	R 48 (26-0)			6.952	P 161 (29-1)					
		8.688	R 80 (33-2)		176	18374.852	4.885	P 108 (31-1)		197	18370.822	0.836	R 150 (30-0)			6.773	P 149 (30-0)					
153	18378.589	8.471	P 38 (26-0)			4.850	P 50 (29-1)			198	18370.696	0.697	R 56 (29-1)		219	18366.291	6.347	R 151 (30-0)				
154	18378.470	8.431	P 99 (34-2)		177	18374.564	4.567	R 45 (26-0)			0.823	P 86 (27-0)				6.299	P 48 (26-0)					
		8.108	R 51 (29-1)		178	18374.434	4.337	R 111 (31-1)		198	18370.696	0.697	R 56 (29-1)			6.223	R 85 (33-2)					
		8.065	R 110 (31-1)		179	18374.187	4.355	R 103 (34-2)		199	18370.300	0.300	R 53 (29-1)			6.223	R 85 (33-2)					
155	18377.990	8.002	P 83 (27-0)			4.188	R 88 (27-0)		200	18370.228	0.228	P 45 (26-0)		18366.023	6.023	R 164 (31-0)						
		7.977	P 42 (26-0)		180	18374.036	4.039	R 114 (28-0)			0.195	R 90 (30-1)				5.989	R 175 (32-0)					
156	18377.823	7.822	R 87 (30-1)		181	18373.922	3.923	P 42 (26-0)		201	18370.032	0.034	P 112 (24-0)		220	18365.897	5.908	R 59 (29-1)				
157	18377.739	7.741	P 48 (29-1)		182	18373.748	3.796	R 82 (33-2)		202	18369.910	9.910	P 87 (30-1)			5.896	P 88 (27-0)					
158	18377.536	7.545	R 102 (34-2)			3.747	R 54 (29-1)		203	18369.643	9.642	R 49 (26-0)		221	18365.663	5.664	R 52 (26-0)					
		7.535	P 84 (30-1)		183	18373.375	3.376	R 46 (26-0)		204	18369.331	9.332	R 90 (27-0)		222	18365.492	5.538	P 103 (34-2)				
		7.515	R 110 (31-1)			3.362	P 51 (29-1)		205	18369.132	9.168	P 81 (33-2)		223	18365.334	5.494	P 56 (29-1)					
159	18377.373	7.374	P 39 (26-0)		184	18373.248	3.203	P 171 (32-0)		206	18368.942	8.943	P 46 (26-0)		224	18365.052	4.962	R 92 (30-1)				
160	18377.230	7.230	R 113 (28-0)			3.255	P 111 (28-0)		18368.787	8.810	P 102 (34-2)			4.924	P 49 (26-0)		241	18360.661	6.661	P 52 (26-0)		
161	18376.961	6.989	R 173 (32-0)			3.244	P 85 (27-0)		207	18368.728	8.727	P 54 (29-1)			4.910	P 111 (31-1)		242	18360.440	6.460	R 137 (29-0)	
		6.955	P 159 (31-0)			2.718	P 43 (26-0)		208	18368.495	8.727	P 54 (29-1)			4.910	P 111 (31-1)			0.435	R 176 (32-0)		
162	18376.868	6.867	R 43 (26-0)		185	18373.001	2.767	R 89 (30-1)							225	18364.795	4.796	R 114 (31-1)				
163	18376.685	6.683	R 52 (29-1)		186	18372.718	2.718	P 43 (26-0)		208	18368.495	8.727	P 54 (29-1)			225	18364.588	4.589	R 106 (34-2)			
															226	18364.364	4.418	R 136 (29-0)				
																245	18359.979	9.979	R 56 (26-0)			



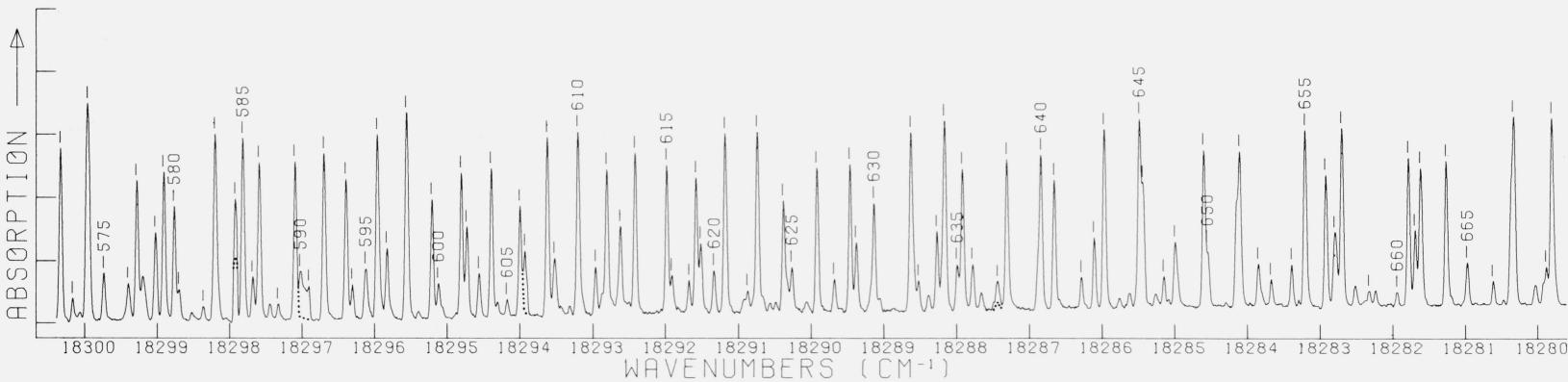
LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	
242	18360.440	0.460	R137 (29-0)		264	18356.152	6.155	P 55 (26-0)		285	18351.712	*****	ARTIFACT		306	18347.620	7.663	P116 (31-1)	18342.829	2,830 R100 (30-1)
		0.435	R176 (32-0)			6.123	P 85 (33-2)	1.446	R 97 (27-0)		7.617	P 66 (29-1)			324	18342.562	2,562 P 97 (30-1)			
		0.431	P 59 (29-1)			6.122	P135 (29-0)	1.421	P 64 (29-1)	307	18347.448	7.506	R119 (31-1)		325	18342.326	2,329 P 97 (27-0)			
243	18360.195	0.195	P115 (28-0)		265	18355.885	5.883	R166 (31-0)		1.404	P 58 (26-0)			7.454	R 92 (33-2)			329	18342.95	2,295 P 91 (33-2)
244	18360.104	0.103	P134 (29-0)			18355.702	5.704	P 92 (27-0)	1.355	R 97 (30-1)			7.448	R122 (29-0)			326	18342.101	2,173 R 72 (29-1)	
245	18359.979	9.979	R 56 (26-0)			5.667	R 89 (33-2)	1.175	P115 (31-1)	308	18347.305	7.305	R 66 (26-0)		327	18341.942	2,102 R 67 (26-0)			
246	18359.606	9.609	R 9 (30-1)		266	18355.555	5.557	R 65 (29-1)	1.079	P 98 (30-1)	309	18346.661	6.664	P119 (28-0)		327	18341.879			
247	18359.282	9.328	P 91 (30-1)			5.526	P105 (34-2)	1.026	R118 (31-1)			6.663	P165 (31-0)					18341.809 1,808 R 94 (33-2)		
	9.282	R 9 (27-0)			267	18355.431	5.431	R 59 (26-0)	0.876	R121 (28-0)	310	18346.408	6.409	P 61 (26-0)		328	18341.697	1,695 P 69 (29-1)		
248	18359.187	9.186	P 53 (26-0)		268	18355.118	5.111	P 62 (29-1)	0.759	R167 (31-0)	311	18346.079	6.141	R 70 (29-1)		328	18341.494	1,496 P166 (31-0)		
249	18359.124	9.122	R 63 (29-1)			18354.843	4.846	R177 (32-0)	0.686	P 88 (33-2)			6.080	R 99 (27-0)			329	18341.168	1,169 P 64 (26-0)	
250	18358.792	8.794	P 85 (33-2)		269	18354.598	4.655	P114 (31-0)	0.637	R 62 (26-0)			18345.878				329	18340.849		
251	18358.685	8.687	P 60 (29-1)		270	18354.520	4.516	R117 (31-1)	0.439	P 9 (27-0)	312	18345.677	5.702	R 99 (30-1)		330	18340.598	0,600 R101 (27-0)		
252	18358.490	8.490	R 57 (26-0)		271	18354.272	4.274	R120 (28-0)	0.230	R 91 (33-2)	312	18345.677	5.672	P 67 (29-1)		331	18340.502	0,547 P118 (31-1)		
CALC	*****	8.368	R 88 (33-2)		272	18354.086	4.136	R 96 (30-1)	0.091	P118 (28-0)	313	18345.598	5.601	R168 (31-0)		331	18340.503	0,503 R124 (28-0)		
253	18358.293	8.295	P 91 (27-0)			4.086	R 9 (27-0)	0.919	P119 (28-0)			5.598	R 65 (26-0)			332	18340.313	0,409 R169 (31-0)		
18358.103	8.105	P113 (31-1)		273	18353.858	3.860	R 60 (26-0)	0.439	P 9 (27-0)			18345.431	5.431 P 98 (30-1)			332	18340.211	0,370 R121 (31-1)		
						3.859	P 93 (30-1)	0.439	P 9 (27-0)	313	18345.598	5.622	P 211 (109 (34-2)		333	18340.201	0,203 R142 (29-0)			
18357.973	7.974	R116 (31-1)				3.859	P 93 (30-1)	0.220	R178 (32-0)			18345.218	5.221 P 109 (34-2)			334	18340.143	0,146 R 73 (29-1)		
18357.911	7.915	R108 (34-2)		274	18353.730	3.731	R 66 (29-1)	0.199	R140 (29-0)	314	18345.060	5.123	P 98 (33-2)		334	18340.146	0,146 R 73 (29-1)			
254	18357.683	7.684	P 58 (26-0)		275	18353.488	3.489	P117 (28-0)	0.091	P118 (28-0)	315	18344.689	4.689	P 62 (26-0)		335	18339.879	9,929 R101 (30-1)		
	7.642	R119 (28-0)				18353.394	3.420	P 87 (33-2)	0.091	P119 (28-0)			18345.431	4,689 P 62 (26-0)						
255	18357.526	7.527	P150 (30-0)			18353.345	3.345	P 87 (33-2)	0.091	P119 (28-0)	316	18344.314	4,317 R141 (29-0)			333	18340.201	0,203 R142 (29-0)		
256	18357.351	7.354	R 61 (29-1)		276	18353.280	3.281	P 63 (29-1)	0.091	P119 (28-0)	317	18344.168	4,171 R 71 (29-1)			334	18340.143	0,146 R 73 (29-1)		
257	18357.273	7.271	R153 (30-0)		277	18353.086	3.086	R 93 (27-0)	0.091	P119 (28-0)	318	18343.989	3,991 P138 (29-0)			334	18340.146	0,146 R 73 (29-1)		
258	18356.973	6.974	R 58 (26-0)		278	18353.015	3.015	P 57 (26-0)	0.091	P119 (28-0)	318	18343.989	3,991 P138 (29-0)			335	18339.879	9,929 R101 (30-1)		
259	18356.859	6.913	P 61 (29-1)			2.974	R 90 (33-2)	0.091	P119 (28-0)	301	18348.523	8.543 R 98 (30-1)								
	6.896	P163 (31-0)				2.956	P151 (30-0)	0.091	P119 (28-0)	302	18348.395	8.399 R140 (29-0)								
	6.887	R 95 (30-1)				2.684	R154 (30-0)	0.091	P119 (28-0)	302	18348.395	8.399 R140 (29-0)								
	6.857	P116 (28-0)			279	18352.684	2.684	R154 (30-0)	0.091	P119 (28-0)	302	18348.266	8.270 P 95 (30-1)			336	18339.719	9,750 R 4 (28-1)		
	6.698	R 95 (27-0)				280	18352.449	2.450	R139 (29-0)	0.091	P119 (28-0)	319	18343.864	3,864 R 66 (26-0)			336	18339.663	9,664 P 70 (29-1)	
260	18356.698	6.698	P 95 (27-0)		281	18352.262	2.262	R 61 (26-0)	0.091	P119 (28-0)	320	18343.705	3,717 P152 (30-0)			337	18339.663	9,662 P 98 (30-1)		
261	18356.608	6.609	P 92 (30-1)		282	18352.109	2.124	P107 (34-2)	0.091	P119 (28-0)	320	18343.705	3,698 P 68 (29-1)			337	18339.663	9,662 P 98 (30-1)		
262	18356.469	6.471	R138 (29-0)			2.109	P136 (29-0)	0.091	P119 (28-0)	321	18343.552	3,559 R179 (32-0)			338	18339.566	9,659 R 5 (28-1)			
263	18356.321	****	ARTIFACT			18351.876	1,877	R 67 (29-1)	0.091	P119 (28-0)	321	18343.352	3,413 R156 (30-0)			338	18339.566	9,617 P 2 (28-1)		
						18351.796	1,796	P164 (31-0)	0.091	P119 (28-0)	322	18343.203	3,208 P120 (28-0)							
						18351.771	*****	ARTIFACT	0.091	P119 (28-0)	322	18343.203	3,208 P120 (28-0)			338	18339.566	9,569 P 98 (27-0)		
						18351.771	*****	ARTIFACT	0.091	P119 (28-0)	323	18342.943	2,943 P 63 (26-0)					9,540 R 6 (28-1)		



LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT
330	18340,598	0.600	R101 (27-0)	18337,337	348	18337,222	7.223	R 15 (28-1)	18333,285	3.304	P120 (31-1)	403	18328,240	8.244	P102 (27-0)	434	18322,739	2.732	P 33 (28-1)					
331	18340,502	0.547	P118 (31-1)	18337,083	349	18337,083	7.076	P 12 (28-1)	18333,221	3.282	R 23 (28-1)	404	18328,077	8.077	P 27 (28-1)	435	18322,621	2.618	R129 (28-0)					
332	18340,313	0.503	R124 (28-0)	18336,985	350	18336,985	6.997	R102 (30-1)	18333,103	3.108	R123 (31-1)	405	18327,988	8.021	R105 (30-1)	436	18322,406	2.411	P104 (27-0)					
		0.409	R169 (31-0)			6.986	R125 (28-0)		3.102	R 97 (33-2)	406	18328,761	7.766	P102 (30-1)		18322,206	2.206	P123 (31-1)						
		0.370	R121 (31-1)			6.941	P119 (31-1)		3.051	P 20 (28-1)	407	18327,675	7.681	P 96 (33-2)	437	18322,115	2.115	R 37 (28-1)						
333	18340,201	0.203	R142 (29-0)	18336,779	351	18336,779	6.827	R 16 (28-1)	18333,056	2.885	R 72 (26-0)	408	18327,564	7.567	R 31 (28-1)	438	18321,929	1.976	R126 (31-1)					
334	18340,143	0.146	R 73 (29-1)			6.780	P 95 (27-0)		2.665	R 24 (28-1)	409	18327,379	7.384	P142 (29-0)	439	18321,844	1.885	R107 (30-1)						
335	18339,879	9.929	R101 (30-1)			6.755	R122 (31-1)		2.660	P123 (28-0)														
		9.886	P139 (29-0)			6.733	P 99 (30-1)		18332,509															
		9.859	R 1 (28-1)			6.669	P 13 (28-1)		18332,428	2.424	P 21 (28-1)	410	18327,253	7.255	P 28 (28-1)	440	18321,745	1.744	P 34 (28-1)					
		9.850	R 2 (28-1)			6.654	R 70 (26-0)		18332,163	2.165	R104 (27-0)	411	18327,135	7.139	R 98 (33-2)	441	18321,609	1.637	P104 (30-1)					
		9.840	R 0 (28-1)			6.544	R 93 (33-2)		18332,021	2.019	R 25 (28-1)	412	18327,024	7.026	R 75 (26-0)	442	18321,111	1.109	R 38 (28-1)					
		9.814	R 3 (28-1)			6.404	R 17 (28-1)		18331,889	1.890	P 69 (26-0)	413	18326,869	6.871	P 76 (29-1)	443	18321,051	1.049	R101 (33-2)					
336	18339,719	9.750	R 4 (28-1)	18336,540	353	18336,403	6.404	R 17 (31-0)	18332,884	1.882	R144 (29-0)	414	18326,725	6.728	R 32 (28-1)		18320,918	0.920	R 78 (26-0)					
		9.721	P121 (28-0)	18336,290	354	18336,204	6.235	P 14 (28-1)	18331,758	1.769	P 22 (28-1)	415	18326,625			444	18320,721	0.730	R 1 (25-0)					
337	18339,663	9.664	P 70 (29-0)	18336,008	355	18336,008	6.056	P122 (28-0)	18331,582	1.583	P141 (29-0)	416	18326,251	6.406	P 29 (28-1)	446	18320,451	0.729	P 35 (28-1)					
		9.662	P 98 (30-1)			6.036	P 96 (33-2)		18331,498	1.583	P141 (29-0)	417	18326,251	6.255	R106 (27-0)	447	18320,260	0.726	R 2 (25-0)					
		9.659	R 5 (28-1)			6.005	R 75 (29-1)		18331,349	1.347	R 26 (28-1)	418	18325,859	5.996	P 72 (26-0)	448	18320,151	0.708	R 0 (25-0)					
		9.617	P 2 (28-1)			5.953	R 18 (28-1)		18331,251	1.251	P 74 (29-1)	419	18325,777	5.937	P122 (31-1)	449	18320,615	0.695	R 3 (25-0)					
338	18339,566	9.569	P 98 (27-0)	18335,753	356	18335,952	5.953	P 15 (28-1)	18331,114	1.118	P101 (27-0)	420	18325,859	5.861	R 33 (28-1)									
		9.540	R 6 (28-1)			5.750	P140 (29-0)		18331,114	1.086	P 23 (28-1)	421	18325,339	5.342	P103 (27-0)	448	18320,451	0.488	P 1 (25-0)					
339	18339,484	9.487	P 3 (28-1)	18335,684	357	18335,684	5.680	P 67 (26-0)	18330,959	0.959	R 73 (26-0)	422	18325,145	5.147	R 80 (29-1)	449	18320,310	0.445	R 6 (25-0)					
340	18339,368	9.435	P 92 (33-2)	18335,481	358	18335,481	5.515	P 72 (29-1)	18330,782	0.785	P101 (30-1)	423	18325,015	5.018	R 76 (26-0)	446	18320,310	0.357	P 3 (25-0)					
		9.393	R 7 (28-1)			5.474	R 19 (28-1)		18330,650	0.667	P 95 (33-2)	424	18324,799	4.968	R106 (30-1)	447	18320,310	0.308	R 7 (25-0)					
		9.368	P 65 (26-0)			5.285	P 16 (28-1)		18330,595	0.959	R 73 (26-0)	425	18324,709	4.717	P103 (30-1)	448	18320,146	0.203	P 4 (25-0)					
		9.330	P 4 (28-1)			5.183	R170 (31-0)		18330,475	0.646	R 27 (28-1)	426	18324,633	4.663	P 97 (33-2)	449	18320,077	0.146	R 8 (25-0)					
18339,220	9.219	R 8 (28-1)							18330,377	0.375	P 24 (28-1)	427	18324,849	4.849	P157 (30-0)	450	18320,032	0.050	P158 (30-0)					
18339,134	9.145	P 5 (28-1)							18330,200			428	18323,695	3.692	P 32 (28-1)	455	18319,586	0.586	P 7 (25-0)					
340	18339,030	9.048	P154 (30-0)	18335,002	361	18335,002	5.005	R103 (27-0)	18330,126	0.136	R 98 (33-2)	429	18323,471	3.474	R107 (27-0)	456	18319,500	0.500	P 5 (25-0)					
		9.016	R 9 (28-1)			4.968	R 20 (28-1)		18330,059			430	18323,155	3.155	P143 (29-0)	457	18319,451	0.451	P105 (27-0)					
18338,937	8.938	R 95 (33-2)			362	18334,781	4.783	R 71 (26-0)	18330,126	0.953	R 70 (26-0)	431	18323,095	3.093	R 36 (28-1)	458	18319,325	0.325	R 13 (31-0)					
		8.932	P 6 (28-1)			4.768	P 17 (28-1)		18332,952	0.953	R 918 (28-1)	432	18322,982	2.982	R 77 (26-0)	459	18319,233	0.232	R 12 (25-0)					
		8.729	R157 (30-0)			4.617	P157 (28-1)		18332,863	9.862	R127 (28-0)	433	18322,890	2.889	R 81 (29-1)	460	18319,165	0.165	R147 (29-0)					
		8.692	P 7 (28-1)			4.348	P155 (30-0)		18329,633	9.637	P 25 (28-1)	434	18322,739	2.732	P 33 (28-1)									
342	18338,498	8.529	R 11 (28-1)	18334,222	365	18334,222	4.223	P 18 (28-1)	18329,633	9.636	P121 (31-1)	435	18322,621	2.618	R129 (28-0)									
		8.497	R 69 (26-0)			4.035	R103 (30-1)		18329,633	9.615	P156 (30-0)	436	18322,406	2.411	P104 (27-0)									
		8.424	P 8 (28-1)			4.012	R158 (30-0)		18329,582	9.577	R 78 (29-1)	437	18322,115	2.115	R 37 (28-1)									
343	18338,247	8.244	R 12 (28-1)	18333,960	366	18333,960	3.963	P100 (27-0)	18329,418	9.429	R124 (31-1)	438	18321,929	1.976	R 9742 (29-1)									
344	18338,092	8.128	P 9 (28-1)	18333,884	367	18333,884	3.891	R 76 (29-1)	18329,293	9.297	R105 (27-0)	439	18321,743	1.742	R 10 (25-0)									
		8.090	R 74 (29-1)			3.871	R 22 (28-1)		18329,161	9.162	R 29 (28-1)	440	18321,541	1.645	R 36 (28-1)	444	18320,325	0.325	R 167 (29-0)					
345	18337,815	7.932	R 13 (28-1)	18333,799	368	18333,799	3.801	P 68 (26-0)	18329,079	9.085	P124 (28-0)	441	18320,226	0.226	P 405 (28-1)	445	18319,586	0.586	P 7 (25-0)					
		7.817	R102 (27-0)			3.774	P100 (30-1)		18329,079	9.076	P 75 (29-1)	442	18319,500	0.500	P 11 (25-0)	446	18319,451	0.451	P105 (27-0)					
		7.805	P 10 (28-1)			3.699	18333,714		18329,079	9.033	P126 (28-0)	443	18319,325	0.325	P 8 (25-0)	447	18319,233	0.232	R 137 (31-0)					
18337,600	7.604	P 71 (29-1)			370	18333,645	3.651	P 19 (28-1)	18329,005	9.006	R 74 (26-0)	448	18319,233	0.232	R 12 (25-0)	449	18319,165	0.165	R147 (29-0)					
		7.591	R 14 (28-1)			3.621	P 94 (33-2)		18328,871	8.871	P 26 (28-1)	449	18319,586	0.586	P 7 (25-0)									
346	18337,539	7.539	P 66 (26-0)			3.439	R126 (28-0)		18328,517	8.378	R 30 (28-1)	450	18319,451	0.451	P105 (27-0)									
347	18337,458	7.454	P 11 (28-1)			3.397	P 73 (29-1)		18328,380	8.378	R 30 (28-1)	451	18319,325	0.325	P 8 (25-0)	452	18319,233	0.232	R 12 (25-0)					
		18337,378										453	18319,165	0.165	R147 (29-0)									

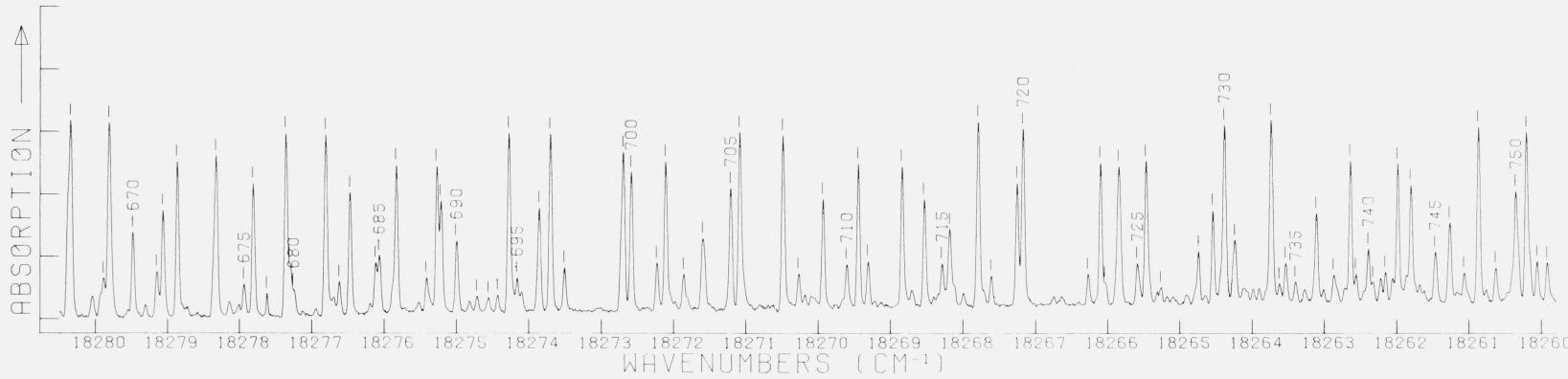


LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT			
448	18320.146	0.203	P 4	(25-0)	474	18317.219	7-218	P 14	(25-0)	496	18313.348	3-349	R 25	(25-0)	522	18309.072	9.101	P102	(33-2)	547	18304.885	4.884	R 36	(25-0)			
		0.146	R 8	(25-0)	475	18317.070	7-071	R 18	(25-0)	476	18316.777	6-807	R 42	(28-1)			18313.295	3-287	R 45	(28-1)	548	18304.568	4.567	P 82	(26-0)		
449	18320.070	0.086	P 79	(29-1)						497	18313.037	3-040	P 82	(29-1)					9.073	P 80	(26-0)	9.073		18304.368			
		0.075	R 39	(28-1)					498	18312.932	2-931	P 22	(25-0)					9.043	P 45	(28-1)	9.043		18304.279				
450	18320.032	0.050	P158	(30-0)	477	18316.710	6-711	R 80	(26-0)	499	18312.843	2-841	P 42	(28-1)	523	18308.728	8.728	R 87	(29-1)	550	18304.226	4.225	P110	(27-0)			
		0.023	P 5	(25-0)	478	18316.616	6-618	R 19	(25-0)	500	18312.712	2-712	R 26	(25-0)	524	18308.608	8.608	P 28	(25-0)	551	18304.100	4.100	R 52	(28-1)			
451	18319.958	9.957	R 9	(25-0)	479	18316.460	6-463	P106	(27-0)	501	18312.392	2-454	R110	(30-1)			9.531	R175	(31-0)	9.531		18303.953	3.983				
452	18319.854	9.855	P 75	(26-0)	480	18316.389	6-388	P 39	(28-1)			481	18316.304	6-304	P 16	(25-0)	525	18308.412	8.487	R105	(33-2)		3.956	R 37	(25-0)		
		9.817	P 6	(25-0)					502	18312.276	2-277	P 23	(25-0)			8.414	R112	(27-0)	8.414		18303.772	3.774					
453	18319.743	9.742	R 10	(25-0)	482	18316.140	6-139	R 20	(25-0)			483	18315.947	5-939	R 84	(29-1)	527	18308.333	8.333	R 32	(25-0)		3.590	P 49	(28-1)		
454	18319.683	9.685	P 36	(28-1)					484	18315.808	5-808	P 17	(25-0)			2.218	P107	(30-1)	2.218		18308.203	8.205	R 49	(28-1)			
455	18319.586	9.584	P 7	(25-0)	485	18315.629	5-661	R 43	(28-1)	503	18312.048	2-059	R 46	(28-1)	528	18308.093	7.964	R 84	(26-0)		3.240	P 26	(29-1)				
456	18319.500	9.500	R 11	(25-0)					504	18311.599	1-603	P 43	(28-1)			2.048	R 27	(25-0)	2.048		18307.965	7.965	P 29	(25-0)			
457	18319.451	9.451	P105	(27-0)					505	18311.671	1-675	R104	(33-2)	530	18307.792	7.796	R 29	(25-0)		3.223	P131	(28-0)					
458	18319.325	9.325	P 8	(25-0)					506	18311.599	1-603	P 43	(28-1)			1.596	P 24	(25-0)	1.596		18303.090	3.097	R176	(31-1)			
		9.296	R173	(31-0)	486	18315.412	5-624	P 77	(26-0)			507	18311.483	1-528	R132	(28-0)	531	18307.510	7.510	R 33	(25-0)		5.558	18303.001	3.001	R 38	(25-0)
459	18319.233	9.232	R 12	(25-0)					508	18311.359	1-359	P 16	(25-0)			1.483	R111	(27-0)	1.483		18307.325	7.326	P 46	(28-1)			
460	18319.165	9.165	R147	(29-0)					509	18311.284	1-284	P 79	(26-0)			1.244	P109	(27-0)	1.244		18302.676	7.675	R 53	(28-1)			
461	18318.941	8.952	R130	(28-0)					510	18311.160	1-160	R 86	(29-1)			1.057	P130	(28-0)	1.057		18302.526	2.654	P 52	(10-1)			
		8.938	R 13	(25-0)					511	18311.017	1-017					0.864	P130	(25-0)	0.864		18302.373	2.363	R 50	(26-0)			
462	18318.829	8.829	R 79	(26-0)	488	18315.103	5-150	P171	(31-0)	512	18310.888	0-889	P 25	(25-0)	533	18306.836	6.836	P 81	(26-0)		5.661	18302.179	2.188	R114	(27-0)		
463	18318.730	8.772	R108	(30-1)		18314.855	4-863	R148	(29-0)	513	18310.764	0-764	P 672	P129		536	18306.662	6.693	R130	(31-1)		2.157	P 50	(26-1)			
		8.728	P 10	(26-0)					514	18310.640	0-641	R 29	(25-0)			0.802	R 47	(28-1)	0.802		18302.020	2.020	R 39	(25-0)			
464	18318.617	8.617	R 14	(28-0)					515	18310.533	0-532	R 29	(25-0)			0.641	P 129	(28-0)	0.641		18306.373	6.372	P 47	(28-1)			
465	18318.527	8.527	P 37	(28-1)	489	18314.736	4-737	R 62	(25-0)	516	18310.400	0-402	P108	(27-0)	539	18306.091	6.091	P 151	(28-1)		5.372	18301.771	1.771	P 151	(28-1)		
		8.528	P 99	(33-2)	490	18314.552	4-602	P145	(28-0)	517	18310.283	0-279	P146	(29-0)			0.562	R149	(29-0)	0.562		18306.265	6.265	R 88	(28-1)		
466	18318.391	8.390	R 11	(28-0)					518	18310.134	0-135	P 156	(30-0)			0.402	P108	(27-0)	0.402		18306.161	1.161	R150	(29-0)			
467	18318.273	8.285	R 83	(29-1)					519	18310.040	0-040	P 156	(30-0)			0.237	P 144	(28-1)	0.237		18306.091	1.091	P 131	(31-0)			
		8.270	R 15	(25-0)					520	18309.994	0-994	P 156	(30-0)			0.155	P 112	(30-1)	0.155		18301.231	1.231	P 148	(29-1)			
468	18318.179	8.204	R127	(31-1)					521	18309.129	0-129	R 31	(25-1)			0.155	P 26	(25-0)	0.155		18301.012	1.012	P 40	(25-0)			
		8.180	P127	(28-0)	18314.397	4-399	R128	(31-1)							0.155	P 26	(25-0)	0.155		18300.950	1.050	P 40	(25-0)				
469	18318.027	8.026	P 12	(25-0)	18314.291				522	18309.898	0-993	R163	(30-0)			0.931	P102	(25-0)	0.931		18300.716	1.115	R 87	(26-0)			
470	18317.901	7.956	R102	(33-2)	491	18314.161	4-161	P 20	(25-0)	523	18309.773	0-773	P172	(31-0)			0.898	R 30	(25-0)	0.898		18300.529	0.530	P161	(30-0)		
		7.928	R 41	(28-1)	492	18314.055	4-051	P 41	(28-1)	524	18309.518	0-517	R 48	(28-1)			0.898	P 144	(28-1)	0.898		18300.341	0.341	P 37	(25-0)		
471	18317.753	7.766	P 80	(29-1)		3.931	R174	(31-0)	525	18309.394	0-395	P 27	(25-0)			0.898	P172	(31-0)	0.898		18300.227	0.227	R108	(30-1)			
		7.754	P 76	(26-0)	494	18313.560	3-564	R 85	(29-1)	526	18309.248	0-250	R111	(30-1)			0.898	P172	(31-0)	0.898		18300.173	0.173	R106	(33-2)		
472	18317.635	7.635	P 13	(25-0)		3.560	R 21	(25-0)	527	18309.129	0-129	R 31	(25-0)			0.898	P172	(31-0)	0.898		18300.069	0.068	R165	(30-0)			
473	18317.508	7.536	R109	(27-0)	495	18313.458	3-468	P 78	(26-0)						0.898	P172	(31-0)	0.898		18299.969	0.978	R 41	(25-0)				
		7.515	P 38	(28-1)		3.447	P107	(27-0)							0.898	P172	(31-0)	0.898		18299.743	0.975	R 55	(28-1)				
		7.497	R 17	(25-0)					528	18304.997	0-995	R164	(30-0)			0.898	P 48	(28-1)	0.898		18299.497	0.495	P 48	(28-1)			



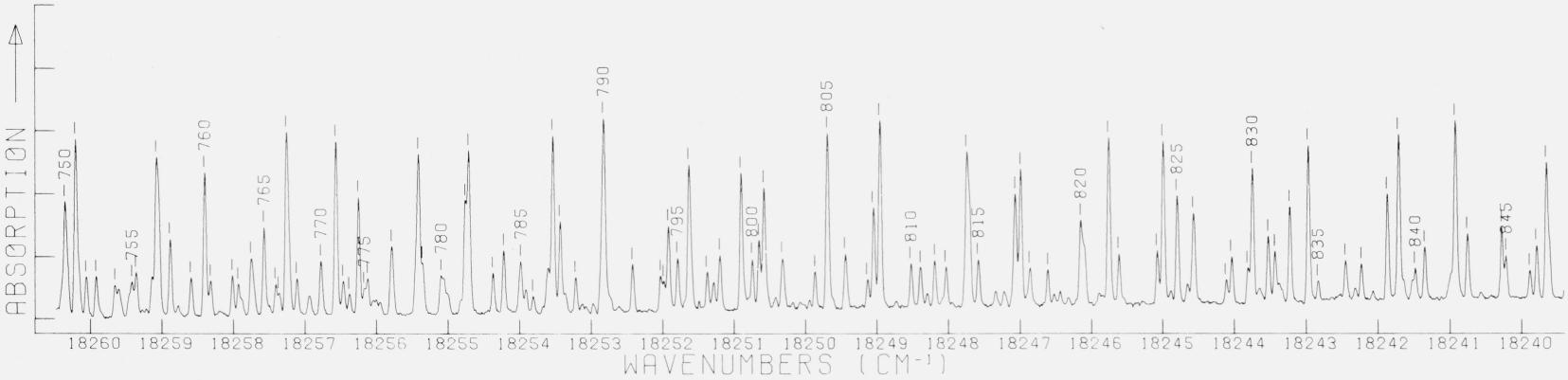
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LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT			
572	18300.341	0.341	P 37	(25-0)	593	18296.409	6.410	R 89	(26-0)	612	18292.822	2.881	R 153	(29-0)	631	18288.639	8.641	P 47	(25-0)	649	18284.611	4.613	P 50	(25-0)			
573	18300.173	0.166	R 135	(28-0)	594	18296.518	6.145	R 136	(28-0)			2.823	P 87	(26-0)		632	18288.531	8.595	R 62	(28-1)			4.593	R 139	(28-0)		
574	18300.069	0.068	R 165	(20-0)	595	18296.136	6.145	P 54	(28-1)			2.770	R 116	(30-0)		633	18288.560	8.532	R 138	(28-0)	650	18284.117	4.548	P 61	(28-1)		
574	18299.969	9.978	R 11	(20-0)			6.127	R 115	(31-1)		613	18292.632	2.744	P 10	(33-2)		634	18288.280	8.282	P 15	(28-0)	651	18284.117	4.163	R 94	(26-0)	
575	18299.743	9.743	R 55	(28-1)			6.125	R 92	(29-1)			2.744	P 106	(33-2)		635	18288.177	8.213	R 95	(29-1)	652	18283.856	3.866	R 155	(29-0)		
576	18299.407	9.454	R 114	(30-1)	596	18295.977	6.979	P 14	(25-0)			2.653	R 117	(27-0)		636	18288.002	8.194	P 151	(29-0)	653	18283.680	3.858	P 136	(28-0)		
576	18299.407	9.454	R 114	(30-1)			6.979	P 112	(30-1)		614	18292.567	2.563	P 113	(30-1)		637	18287.932	8.001	P 50	(28-1)	654	18283.398	3.397	R 65	(28-1)	
577	18299.290	9.290	P 36	(25-0)	597	18295.843	6.847	R 116	(27-0)			2.440	R 137	(28-0)		638	18287.932	7.932	P 89	(26-0)	655	18283.216	3.218	P 51	(25-0)		
577	18299.290	9.290	P 36	(25-0)	598	18295.575	5.585	P 89	(29-1)			2.429	P 44	(25-0)		639	18287.788	7.746	P 105	(28-0)	656	18282.930	2.930	P 91	(26-0)		
577	18299.290	9.290	P 36	(25-0)			5.576	R 45	(25-0)		615	18291.995	1.995	R 46	(26-0)		640	18287.765	7.668	P 102	(28-1)	657	18282.802	2.817	R 120	(27-0)	
577	18299.290	9.290	P 36	(25-0)			5.568	P 163	(30-0)		616	18291.923	1.921	R 60	(29-1)		641	18287.446	7.395	P 48	(25-0)	658	18282.709	2.777	R 62	(28-1)	
578	18299.033	9.032	R 115	(27-0)			5.565	P 133	(28-0)		617	18291.689	1.691	P 134	(28-0)		642	18286.667	6.668	P 135	(31-1)	659	18282.330	2.325	P 116	(30-1)	
579	18298.918	8.917	R 42	(25-0)			5.413	R 109	(33-2)		618	18291.593	1.594	R 91	(26-0)		643	18286.290	6.288	P 60	(28-1)	660	18281.948	2.791	R 97	(29-1)	
579	18298.918	8.917	R 42	(25-0)			5.413	R 227	(26-0)		619	18291.524	1.526	P 114	(27-0)		644	18286.851	6.091	R 63	(28-1)	661	18281.795	1.795	P 52	(25-0)	
580	18298.775	8.776	R 88	(26-0)	599	18295.226	5.227	P 86	(26-0)			620	18291.344	1.343	P 57	(28-1)		645	18286.851	6.091	R 63	(28-1)	662	18282.709	2.777	R 62	(28-1)
581	18298.708	8.730	R 108	(33-2)			5.086	R 166	(30-0)		621	18291.193	1.193	R 45	(25-0)		646	18286.667	6.668	P 52	(25-0)	663	18282.521	2.547	P 110	(33-2)	
581	18298.708	8.730	R 108	(33-2)			5.086	R 166	(30-0)		622	18290.880	0.988	R 134	(31-1)		647	18286.667	6.668	P 53	(26-0)	664	18282.411	2.516	R 119	(30-1)	
581	18298.708	8.730	R 108	(33-2)			5.086	R 166	(30-0)		623	18290.748	0.749	R 49	(25-0)		648	18286.116	6.118	R 119	(27-0)	665	18282.330	2.325	P 116	(30-1)	
582	18298.530	8.234	R 56	(28-1)	601	18294.821	4.821	P 42	(25-0)			624	18290.391	0.391	P 88	(26-0)		649	18286.241	5.982	P 4	(25-0)	666	18281.948	2.791	R 97	(29-1)
582	18298.372	8.234	R 56	(28-1)	602	18294.745	4.746	P 113	(27-0)			625	18290.880	0.880	R 94	(29-1)		650	18286.667	6.668	P 10	(33-2)	670	18281.795	1.795	P 52	(25-0)
583	18298.214	8.213	P 39	(25-0)	603	18294.572	4.572	P 55	(28-1)			626	18290.571	0.572	P 164	(30-0)		651	18286.667	6.668	P 117	(26-0)	671	18281.626	1.620	R 95	(26-0)
584	18297.933	7.934	P 112	(27-0)	605	18294.190	4.894	R 133	(31-1)			627	18289.687	9.686	P 58	(28-1)		652	18286.667	6.668	P 91	(29-1)	672	18281.521	1.521	R 96	(26-0)
585	18297.831	7.830	R 43	(25-0)	606	18294.015	4.016	R 90	(26-0)			628	18289.475	9.476	R 50	(25-0)		653	18286.667	6.668	P 91	(29-1)	673	18281.421	1.421	R 97	(26-0)
586	18297.692	7.690	P 53	(28-1)	607	18293.945	4.945	*****	ARTIFACT			629	18289.386	9.393	R 118	(27-0)		654	18286.497	5.544	P 165	(30-0)	674	18281.278	1.278	R 56	(25-0)
587	18297.602	7.628	R 177	(31-0)	608	18293.638	3.637	P 43	(25-0)			630	18289.146	9.181	P 114	(30-1)		655	18286.497	5.517	R 93	(29-1)	675	18281.178	1.178	P 116	(28-1)
588	18297.455	7.340	R 152	(29-0)			3.517	R 93	(29-1)		631	18289.146	9.145	R 92	(26-0)		656	18285.450	5.445	P 90	(26-0)	676	18280.348	0.388	P 92	(26-0)	
589	18297.110	7.122	P 149	(29-0)			6.698	R 57	(28-1)		632	18289.320	0.336	P 91	(29-1)		657	18285.766	5.768	P 115	(30-1)	677	18280.040	0.036	P 98	(29-1)	
590	18297.033	7.109	P 40	(25-0)	610	18293.215	3.216	R 47	(25-0)			633	18289.003	0.023	R 168	(30-0)		658	18285.003	5.023	P 116	(30-0)	678	18279.890	9.942	P 169	(30-0)
591	18296.920	6.716	R 44	(25-0)	611	18292.973	2.971	P 56	(28-1)			634	18289.146	9.145	R 92	(26-0)		659	18279.814	9.888	P 137	(28-0)	679	18279.814	9.818	R 57	(25-0)
592	18296.714	6.698	R 57	(28-1)			6.698	R 57	(28-1)		635	18289.386	9.383	R 117	(30-1)		660	18285.158	5.158	R 64	(28-1)	680	18280.421	0.347	P 53	(25-0)	

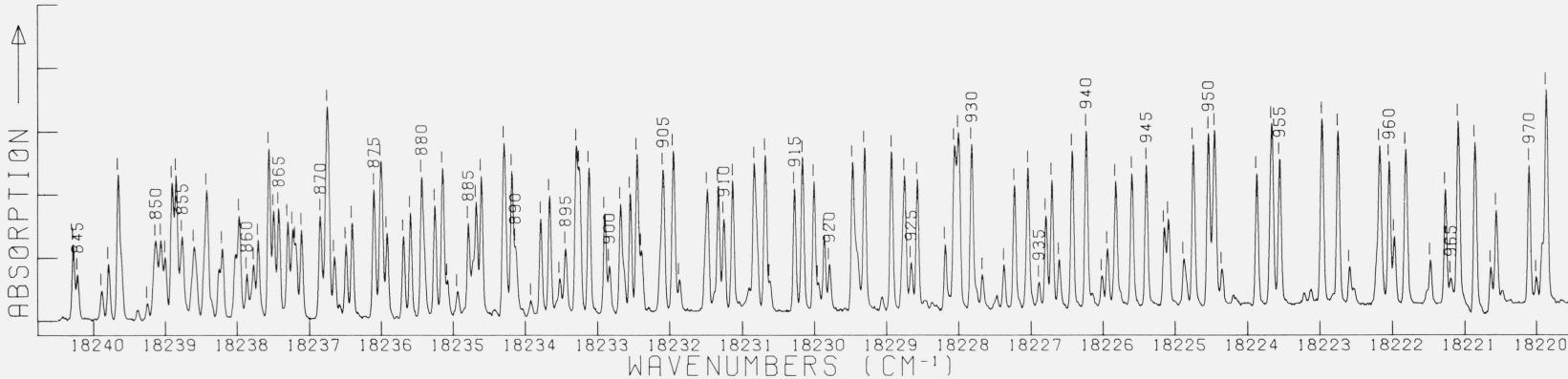


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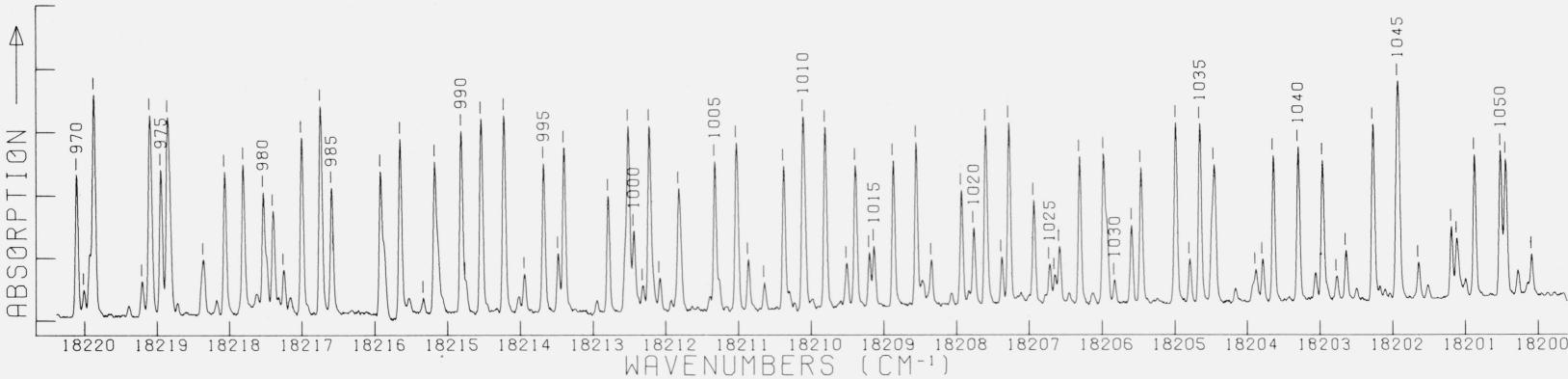
LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	
667	18280.348	0.388	P 92	(26-0)	667	18275.525	5.589	P112	(33-2)	708	18270.281	0.281	R 72	(28-1)	727	18265.266	5.320	P156	(29-0)	737	18262.880	2.888	R104	(29-1)	
	0.347	R 53	(25-0)			5.526	R121	(30-1)		0.260	P168	(30-0)		5.269	P100	(29-1)		2.873	R 12	(27-1)					
	18280.040	0.036	R 98	(29-1)		5.388	P167	(30-0)	18270.063	0.104	R158	(29-0)	18265.101	5.100	P169	(30-0)	738	18262.652	2.653	P 68	(25-0)				
668	18279.890	9.942	R169	(30-0)	668	18275.278	5.279	R 60	(25-0)	709	18269.944	9.958	P155	(29-0)	18264.914	4.911	P115	(33-2)	739	18262.573	2.567	R 13	(27-1)		
	9.888	P137	(28-0)		688	18275.221	5.220	R 94	(26-0)	710	18269.612	9.678	R171	(30-0)	728	18264.750	4.810	R124	(30-1)	740	18262.402	2.410	P 13	(27-1)	
669	18279.814	9.818	R 57	(25-0)	689	18275.221	5.220	R 94	(26-0)		710	18269.612	9.678	R171	(30-0)		4.750	R122	(27-0)		2.399	R128	(27-0)		
	9.790	R 67	(28-1)		690	18275.006	5.009	P119	(27-0)		690	18274.825	4.827	R170	(30-0)	711	18269.459	9.460	P 60	(25-0)	729	18264.553	4.552	P 98	(26-0)
670	18279.485	9.488	P 95	(29-1)		18274.825	4.827	R170	(30-0)		711	18269.459	9.460	P 60	(25-0)		4.496	R172	(30-0)		742	18262.166	2.165	R 76	(28-1)
	9.487	R121	(27-0)		691	18274.726	4.723	R157	(29-0)		712	18269.321	9.322	R120	(27-0)		4.443	R144	(28-0)		18262.068	2.064	P 11	(27-1)	
671	18279.310	9.310	R156	(29-0)	692	18274.567	4.564	P154	(29-0)	713	18268.853	8.853	R 6	(25-0)		18268.717	8.722	R102	(29-1)	743	18261.998	1.999	R 68	(25-0)	
672	18279.153	9.157	P 64	(28-1)	693	18274.438	4.438	R100	(29-1)		713	18268.853	8.853	R 6	(25-0)		8.752	R100	(26-0)		18261.876	1.875	P 15	(27-1)	
	9.139	P153	(29-0)		694	18274.285	4.286	P 57	(25-0)	714	18268.545	8.548	R100	(26-0)		8.534	R143	(28-0)		18261.816	1.815	P 95	(26-0)		
	9.084	P111	(33-2)		695	18274.170	4.169	R 70	(28-1)		695	18274.109	8.502	P114	(33-2)		8.400	R 3	(27-1)		18261.693	1.691	P 12	(27-1)	
673	18278.871	8.871	P 54	(25-0)	696	18273.866	3.888	P 97	(29-1)		696	18268.410	8.412	R123	(30-1)		4.394	P 63	(25-0)		18261.632	1.632			
	8.851	P117	(30-1)		697	18273.711	3.713	R 61	(25-0)	715	18268.298	8.294	R 73	(28-1)		4.339	P 4	(27-1)		745	18261.475	1.448	R 16	(27-1)	
674	18278.715	8.714	R137	(31-1)	698	18273.515	3.514	P 67	(28-1)		698	18273.515	3.514	P 67	(28-1)	716	18268.194	8.198	P121	(27-0)	731	18264.248	4.248	P 1	(27-1)
	8.370	P118	(27-0)		699	18272.705	2.739	R123	(27-0)		699	18272.705	2.739	R 70	(28-1)		4.247	R 5	(27-1)		18261.277	1.291	P 13	(27-1)	
	8.332	R 58	(25-0)		700	18272.595	2.595	R142	(28-0)	717	18267.799	7.812	P140	(28-0)		4.198	P 2	(27-1)		18261.146	1.176	R125	(30-1)		
675	18278.017	7.945	R 68	(28-1)	701	18272.240	2.239	R 70	(28-1)	717	18267.799	7.798	P 61	(25-0)		4.198	R 6	(27-1)		747	18261.075	1.074	R 17	(27-1)	
	7.945	P 55	(25-0)		702	18272.119	2.120	R 62	(25-0)	718	18267.618	7.617	P 70	(28-1)		4.069	P 3	(27-1)		18261.024	1.024	P122	(30-1)		
676	18277.619	7.818	P 93	(26-0)	703	18271.985	1.984	R122	(29-1)	719	18267.261	7.261	P 97	(26-0)		4.069	P 3	(27-1)		18260.881	0.884	P 65	(25-0)		
	7.368	P 55	(25-0)		704	18271.605	1.618	P120	(27-0)	720	18267.179	7.180	R 65	(25-0)		3.993	R 4	(27-1)		748	18260.771	0.769	R160	(29-0)	
677	18277.627	7.367	P 65	(28-1)	705	18271.221	1.220	R 99	(26-0)	721	18266.280	6.279	R 74	(28-1)		3.914	R 8	(27-1)		18260.733	0.733	P 18	(27-1)		
	7.368	P 55	(25-0)		706	18271.095	1.095	P 59	(25-0)	722	18266.108	6.110	P 62	(25-0)		3.914	R 7	(27-1)		18260.640	0.659	P157	(29-0)		
678	18277.311	7.304	R 99	(29-1)	707	18271.866	1.866	R139	(29-0)	723	18266.042	5.042	R 74	(28-1)		3.914	R 9	(27-1)		18260.547	0.547	P 18	(27-1)		
	7.252	R 99	(29-1)		708	18271.866	1.866	R139	(29-0)	724	18265.853	5.875	R125	(27-0)		3.914	R 141	(28-1)		750	18260.364	0.364	P 15	(27-1)	
679	18276.950	6.127	R122	(27-0)	709	18270.499	0.500	R 63	(25-0)	725	18265.597	5.595	P 71	(28-1)		3.914	R 72	(28-1)		18260.218	0.219	R 69	(26-0)		
	6.127	R 97	(26-0)		710	18270.499	0.500	R 63	(25-0)	726	18265.479	5.480	R 66	(25-0)		3.914	R 102	(26-0)		18260.066	0.065	R 77	(28-1)		
680	18276.073	6.071	R 69	(28-1)	711	18270.499	0.500	R 63	(25-0)	727	18265.479	5.453	R159	(29-0)		3.914	R 111	(27-1)		18259.927	9.929	P 16	(27-1)		
	6.071	R 69	(28-1)		712	18270.499	0.500	R 63	(25-0)	728	18265.479	5.453	R159	(29-0)		3.914	R 102	(26-0)		18259.877	9.927	R105	(29-1)		
681	18276.819	6.819	R 59	(25-0)	713	18270.499	0.500	R 63	(25-0)	729	18265.479	5.453	R159	(29-0)		3.914	R 102	(26-0)		18259.805	9.905	P170	(30-1)		
	6.819	R 59	(25-0)		714	18270.499	0.500	R 63	(25-0)	730	18265.479	5.453	R159	(29-0)		3.914	R 102	(26-0)		18259.744	9.895	P170	(30-1)		
682	18276.627	6.625	R141	(28-0)	715	18270.499	0.500	R 63	(25-0)	731	18265.479	5.453	R159	(29-0)		3.914	R 102	(26-0)		18259.683	9.885	P170	(30-1)		
	6.625	R141	(28-0)		716	18270.499	0.500	R 63	(25-0)	732	18265.479	5.453	R159	(29-0)		3.914	R 102	(26-0)		18259.622	9.875	P170	(30-1)		
683	18276.481	6.481	R 97	(26-0)	717	18270.499	0.500	R 63	(25-0)	733	18265.479	5.453	R159	(29-0)		3.914	R 102	(26-0)		18259.561	9.865	P170	(30-1)		
	6.481	R 97	(26-0)		718	18270.499	0.500	R 63	(25-0)	734	18265.479	5.453	R159	(29-0)		3.914	R 102	(26-0)		18259.500	9.855	P170	(30-1)		
684	18276.201	6.201	R 97	(27-0)	719	18270.499	0.500	R 63	(25-0)	735	18265.479	5.453	R159	(29-0)		3.914	R 102	(26-0)		18259.439	9.845	P170	(30-1)		
	6.201	R 97	(27-0)		720	18270.499	0.500	R 63	(25-0)	736	18265.479	5.453	R159	(29-0)		3.914	R 102	(26-0)		18259.388	9.835	P170	(30-1)		
685	18276.124	6.124	R122	(27-0)	721	18270.499	0.500	R 63	(25-0)	737	18265.479	5.453	R159	(29-0)		3.914	R 102	(26-0)		18259.337	9.825	P170	(30-1)		
	6.124	R122	(27-0)		722	18270.499	0.500	R 63	(25-0)	738	18265.479	5.453	R159	(29-0)		3.914	R 102	(26-0)		18259.286	9.815	P170	(30-1)		
686	18275.840	5.893	P138	(28-0)	723	18270.499	0.500	R 63	(25-0)	739	18265.479	5.453	R159	(29-0)		3.914	R 102	(26-0)		18259.235	9.805	P170	(30-1)		
	5.893	P138	(28-0)		724	18270.499	0.500	R 63	(25-0)	740	18265.479	5.453	R159	(29-0)		3.914	R 102	(26-0)		18259.184	9.795	P170	(30-1)		
	5.841	P 56	(25-0)		725	18270.499	0.500	R 63	(25-0)	741	18265.479	5.453	R159	(29-0)		3.914	R 102	(26-0)		18259.133	9.785	P170	(30-1)		

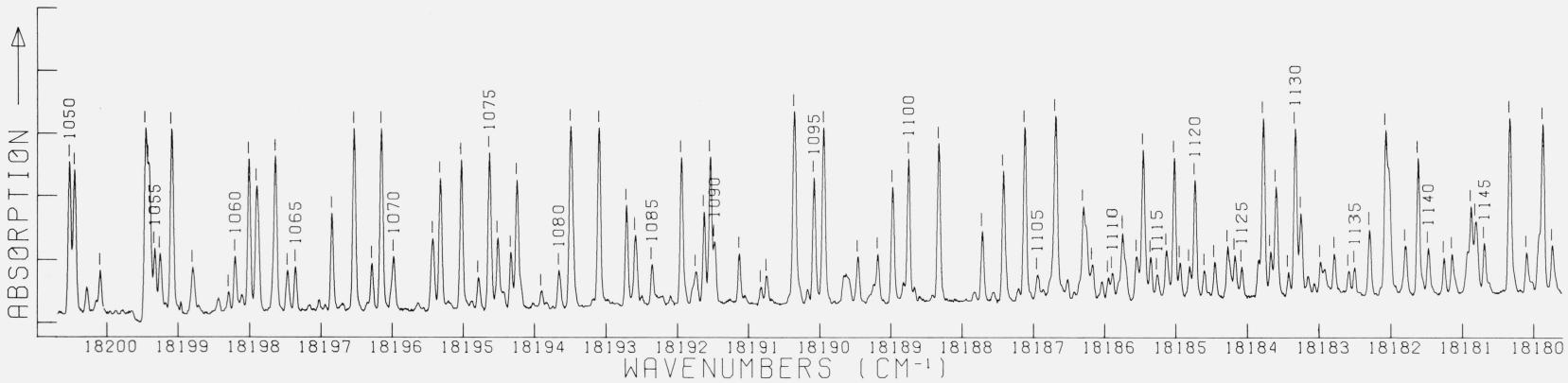


LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT		
750	18260.364	0.410	P 15 (27-1)		770	18256.784	6.748	R 25 (27-1)		18253.075					18248.746	8.746	R 175 (30-0)		4.126	P 107 (29-1)						
		0.365	R103 (26-0)		771	18256.576	6.577	R 71 (25-0)		18252.974					18248.535	8.534	P 32 (27-1)		4.122	P 173 (30-0)						
		0.322	R 145 (28-0)		772	18256.470	6.471	P 22 (27-1)		790	18252.831	2,871	P 77 (28-1)		810	18248.405	8.403	P 79 (28-1)		828	18244.094	4,046	R 40 (27-1)			
751	18260.218	0.219	R 69 (25-0)		773	18256.385	6.384	P103 (29-1)				2,842	P 27 (27-1)		811	18248.405	8.403	P 79 (28-1)		829	18243.825	3,822	P 81 (28-1)			
		0.165	R 19 (27-1)		774	18256.259	6.259	P101 (26-0)				2,828	R 73 (25-0)		812	18248.204	8.203	R 130 (27-0)		830	18243.762	3,762	P 74 (25-0)			
752	18260.066	0.065	R 77 (28-1)		775	18256.176	6.169	R146 (28-0)		791	18252.427	2,424	R 31 (27-1)		813	18248.044	8.042	R 36 (27-1)		831	18243.625	3,625				
753	18259.927	9.929	P 16 (27-1)		776	18256.129	6.125	R 26 (27-1)		792	18252.036	2,035	P 28 (27-1)		814	18247.753	7.745	R109 (29-1)		831	18243.542	3,542	P 37 (27-1)			
		9.927	R105 (29-1)		776	18256.053	6.054	R161 (29-0)		793	18251.992	1,986	R147 (28-0)				7,773	R148 (28-0)				832	18243.448	3,447	P 128 (27-0)	
		9.905	P170 (30-0)			18256.008				794	18251.926	1,929	R106 (26-0)				7,754	P 72 (25-0)								
754	18259.664	9.669	R 20 (27-1)			18255.951	5.949	P158 (29-0)		795	18251.795	1,796	R129 (27-0)				7,714	P 104 (26-0)				833	18243.385			
		18259.612	9.611	P142 (28-0)		777	18255.793	5.800	P 23 (27-1)		796	18251.638	1,639	P 70 (25-0)		815	18247.592	7.591	P 33 (27-1)		834	18242.984	2,985	R 109 (26-0)		
755	18259.426	9.421	P 17 (27-1)				5.780	R 79 (28-1)				1,602	R 32 (27-1)		815	18247.348				834	18242.984	2,985	R 78 (25-0)			
756	18259.368	9.375	P102 (29-1)		778	18255.419	5.464	P143 (28-0)		797	18251.384	1,381	P 81 (28-1)		816	18247.229	7.235	P106 (29-1)		835	18242.844	2,842	P 146 (28-0)			
		9.360	P 74 (28-1)				5.440	R 27 (27-1)				1,306	R162 (29-0)		816	18247.079	7.084	R 37 (27-1)		836	18242.465	2,466	P 38 (27-1)			
		18259.277	9.280	R173 (30-0)			5.418	P 68 (25-0)				1,288	P144 (28-0)				7,080	P145 (28-0)				836	18242.465	2,466	P 38 (27-1)	
		18259.220			779	18255.362	5.359	R128 (27-0)		798	18251.206	1,215	P159 (29-0)				7,070	P 127 (27-0)				837	18242.328			
757	18259.145	9.147	R 21 (27-1)		780	18255.104	5.101	P 24 (27-1)		799	18250.912	0,913	R126 (25-0)		817	18247.003	7.003	R 76 (25-0)		837	18242.244	2,243	R 85 (28-1)			
757	18259.085	9.089	P 66 (25-0)			18255.067	5.062	P 76 (28-1)				0,865	R108 (29-1)		818	18246.871	8,689	R 83 (28-1)		837	18242.244	2,243	R 85 (28-1)			
		9.051	P100 (26-0)			18255.009						0,865	R108 (29-1)		819	18246.621	6,620	P 34 (27-1)		838	18241.881	1,881	R 42 (27-1)			
758	18258.892	8.894	R127 (27-0)			18254.528				800	18250.755	0,753	R 33 (27-1)		820	18246.448	6,450	P160 (29-0)		838	18241.881	1,881	R 42 (27-1)			
		8.885	P 18 (27-1)			18254.524				801	18250.660	0,664	P126 (27-0)				6,164	R108 (26-0)				839	18241.725	1,725	P 75 (25-0)	
		18258.782	8.782	R174 (27-1)		781	18254.768	4,769	R105 (26-0)				0,651	P 78 (24-1)		820	18246.160	6,209	P126 (30-1)		839	18241.725	1,725	P 75 (25-0)		
759	18258.600	8.597	R 22 (27-1)		782	18254.719	4,727	R 28 (27-1)				0,651	P 78 (24-1)				6,127	P 80 (28-1)				840	18241.490	1,453	R 111 (29-1)	
760	18258.410	8.411	R 70 (25-0)			4,716	R 72 (25-0)			802	18250.592	0,590	P103 (26-0)				6,099	R 38 (27-1)				840	18241.490	1,453	R 111 (29-1)	
761	18258.326	8.322	P 19 (27-1)		783	18254.377	4,375	P 25 (27-1)		803	18250.333	0,339	P 30 (27-1)								841	18241.359	1,359	P 39 (27-1)		
762	18258.024	8.020	R 23 (27-1)		784	18254.229	4,229	P125 (27-0)				0,314	P105 (29-1)								842	18240.934	0,987	P108 (29-1)		
763	18257.939	7.936	R 78 (28-1)		785	18253.991	4,030	R174 (30-0)												841	18241.359	1,359	P 39 (27-1)			
764	18257.759	7.765	P124 (27-0)			3,986	R 29 (27-1)			18250.188										842	18240.934	0,987	P108 (29-1)			
		7.732	P 20 (27-1)			18253.916	3,915	R107 (29-1)		18250.040	0,040	0,048	R128 (30-1)							841	18241.359	1,359	P 39 (27-1)			
765	18257.581	7.581	R104 (26-0)		786	18253.815	3,815	R127 (30-1)		18249.958	9,959	9,959	P125 (30-1)		821	18245.770	5,771	P 73 (25-0)		842	18245.624	5,622	P 35 (27-1)			
766	18257.509	7.511	R126 (30-1)			3,678	P124 (30-1)			18249.879	9,877	9,877	R 34 (27-1)		822	18245.624	5,622	P 35 (27-1)		843	18245.089	5,086	R 39 (27-1)			
767	18257.370	7.367	P123 (30-1)			3,623	P 26 (27-1)			804	18249.709	9,710	P 71 (25-0)		823	18245.089	5,086	R 39 (27-1)		843	18245.089	5,086	R 39 (27-1)			
768	18257.264	7.266	P 67 (25-0)		787	18253.542	3,542	P 59 (25-0)		805	18249.455	9,450	P 31 (27-1)		824	18245.007	5,007	R 77 (25-0)		844	18240.763	0,762	R 43 (27-1)			
		7.225	P 75 (28-1)		788	18253.439	3,439	P102 (26-0)		806	18249.143	9,139	R 82 (28-1)							844	18240.288	0,288	R 110 (26-0)			
769	18257.118	7.115	P 21 (27-1)			18253.366	3,364	P104 (29-1)		808	18249.061	9,061	R107 (26-0)		807	18244.667	4,675	R 110 (29-1)		845	18240.226	0,225	P 40 (27-1)			
		6.936	R106 (29-1)		789	18253.221	3,219	R 30 (27-1)		809	18248.971	8,973	R 35 (27-1)							846	18239.890	9,887	R 86 (28-1)			
						18253.134						8,972	R 75 (25-0)							847	18239.796	9,794	P129 (27-0)			
																			848	18239.661	9,662	P 76 (25-0)				
																			848	18239.661	9,662	P 76 (25-0)				
																			9,613	R 44 (27-1)						

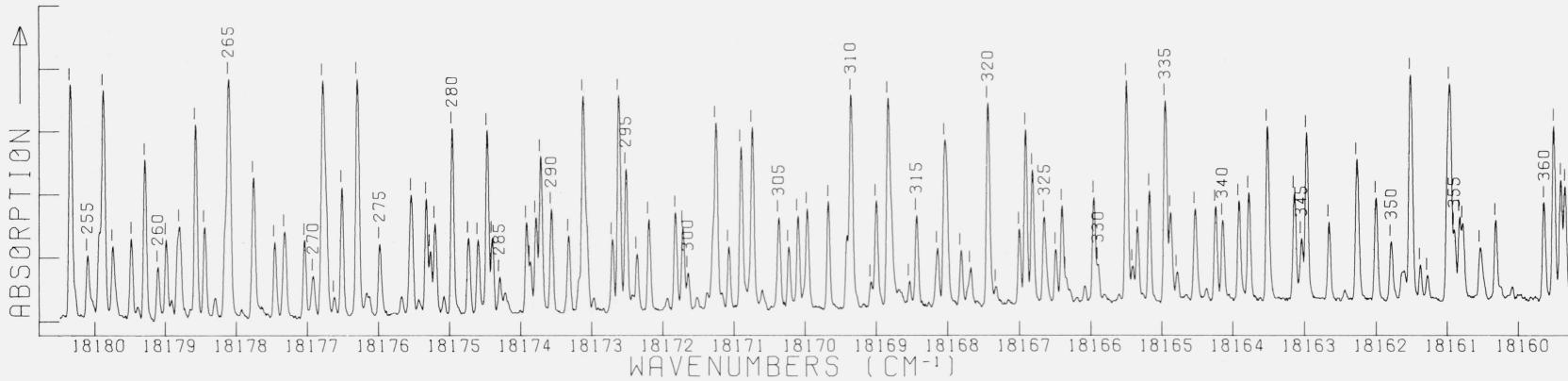


LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT					
844	18240.288	0.298	R110	(26-0)	867	18237.239	7.247	R133	(27-0)	895	18233.457	3.456	P 49	(27-1)	924	18228.760	8.799	P 49	(27-1)	951	18224.468	4.485	P 52	(27-1)					
845	18240.226	0.225	P 40	(27-1)			7.232	R 46	(27-1)		3.432	P175	(30-0)			8.757	P 26	(24-0)		952	18224.365	4.362	P 83	(25-0)					
846	18239.890	9.887	R 86	(28-1)	868	18237.200	7.194	P 10	(24-0)	896	18233.309	3.310	P 79	(25-0)	925	18228.667	8.678	R115	(29-1)	952	18224.208								
847	18239.796	9.794	P129	(27-0)	869	18237.119	7.120	R 14	(24-0)	897	18233.270	3.264	P 19	(24-0)	926	18228.583	8.583	R 30	(24-0)	952	18224.174								
848	18239.661	9.662	P 76	(25-0)	870	18236.859	6.670	R165	(29-0)	898	18233.135	3.134	P 23	(24-0)			8.688	P124	(28-0)	953	18223.884	3.884	P 32	(24-0)					
	9.613	R 44	(27-1)			6.681	P 11	(24-0)		899	18232.916	2.915	P109	(26-0)			8.698	P124	(28-0)	954	18223.678	3.698	P112	(26-0)					
	18239.390					6.823	P162	(29-0)		900	18232.850	2.847	P 46	(27-1)			8.708	P124	(28-0)			3.685	R 56	(27-1)					
849	18239.256	9.255	R150	(28-0)	871	18236.761	6.780	R 15	(24-0)	901	18232.696	2.698	P 20	(24-0)	927	18228.196	8.196	R114	(26-0)				3.671	R 36	(24-0)				
850	18239.141	9.176	R 1	(24-0)		6.756	B1	(25-0)			6.738	B4	(28-1)		902	18232.562	2.562	P 24	(24-0)	928	18228.068	8.072	R 85	(25-0)	955	18223.568	3.567	R 87	(25-0)
	9.173	R 2	(24-0)			6.738	B4	(28-1)			6.659	B3	(27-1)		903	18232.466	2.468	R 83	(25-0)	929	18228.014	8.037	R 53	(27-1)	955	18223.227			
	9.153	B 0	(24-0)			872	18236.661	6.659	P 43	(27-1)			904	18232.405	2.404	P131	(27-0)			8.036	P176	(30-0)			18223.135				
	9.144	B 3	(24-0)			18236.584					905	18232.107	2.102	R 50	(27-1)			8.010	P 27	(24-0)			CALC	*****	3.060	P132	(30-1)		
	9.128	B 83	(28-1)			873	18236.502	6.502	P 12	(24-0)			906	18231.964	1.993	R166	(29-0)	930	18227.683	7.830	R 31	(24-0)	956	18222.984	2.996	P 53	(27-1)		
851	18239.072	9.089	R 4	(24-0)	874	18236.416	6.415	P 16	(24-0)			907	18231.876	1.873	P 86	(28-1)	931	18227.683	7.680	R 91	(28-1)			2.981	P 33	(24-0)			
	9.063	P 41	(27-1)			875	18236.115	6.117	R 13	(24-0)			908	18231.490	1.522	P 47	(27-1)	930	18227.683	7.830	R 31	(24-0)			2.761	R 37	(24-0)		
852	18239.011	9.029	R 1	(24-0)		6.117	R 13	(24-0)			909	18231.339	1.394	P111	(29-1)	931	18227.478	7.478	R 25	(24-0)	957	18222.761	2.761	R 17	(30-0)				
	9.009	R 5	(24-0)			876	18236.017	6.024	P 17	(24-0)			910	18231.262	1.261	R113	(26-0)	932	18227.383	7.382	P 50	(27-1)	958	18222.600	2.607	P177	(30-0)		
853	18238.916	8.929	B 2	(24-0)		6.000	P 47	(27-1)			911	18231.139	1.139	P 80	(25-0)	933	18227.236	7.237	P 28	(24-0)			2.596	R 93	(28-1)				
	8.919	P107	(26-0)			877	18235.931	5.931	P108	(26-0)			912	18230.842	1.873	P 86	(28-1)	934	18227.051	7.084	R167	(29-0)			18222.536				
	8.902	R 6	(24-0)			878	18235.705	5.706	P 14	(24-0)			913	18230.689	0.689	R 27	(24-0)			7.067	P164	(29-0)			959	18222.185	2.226	R137	(27-0)
854	18238.859	8.859	P 80	(25-0)	879	18235.607	5.607	R 18	(24-0)			914	18230.649	0.648	P 22	(24-0)			7.050	R 32	(24-0)			2.185	P 84	(25-0)			
855	18238.774	8.803	B 3	(24-0)	880	18235.452	5.454	R 78	(25-0)			915	18230.596	0.596	P 44	(27-1)			6.996	P131	(30-1)			2.179	R 57	(27-1)			
	8.794	P174	(30-0)			879	18235.452	5.454	R 78	(25-0)			916	18230.490	0.490	P130	(30-1)			6.996	P 88	(28-1)			2.142	R168	(29-0)		
	8.770	R 7	(24-0)			881	18235.270	5.269	P 15	(24-0)			917	18230.404	0.404	P 80	(25-0)	935	18226.896	6.894	R 26	(24-0)			2.141	P165	(29-0)		
856	18238.609	8.650	P 4	(24-0)	882	18235.164	5.167	R113	(29-1)			918	18230.319	0.319	P 86	(28-1)	936	18226.799	6.798	P 111	(26-0)			2.052	P 34	(24-0)			
	8.617	P128	(30-1)			883	18235.096	5.090	R 19	(24-0)			919	18230.202	0.202	P130	(30-1)	937	18226.717	6.716	P 82	(25-0)	960	18222.053	2.071	R117	(29-1)		
	8.612	R 8	(24-0)			883	18235.096	5.090	R 88	(28-1)			920	18230.099	0.099	P130	(30-1)	938	18226.616	6.614	R 54	(27-1)			1.801	P 90	(28-1)		
	8.574	P147	(28-0)			884	18234.954	4.947	R151	(28-0)			921	18230.040	0.040	P 23	(24-0)	939	18226.436	6.437	R 29	(24-0)	961	18221.980	1.980	R116	(26-0)		
857	18238.434	8.472	P 5	(24-0)	885	18234.806	4.807	P 16	(24-0)			922	18230.040	0.040	P 801	(25-1)	940	18226.244	6.244	R 33	(24-0)	962	18221.825	1.842	R154	(28-0)			
	8.436	R 45	(27-1)			886	18234.696	4.774	P129	(30-1)			923	18230.040	0.040	P 27	(24-0)			6.241	R153	(28-0)			1.825	R 38	(24-0)		
	8.428	B 9	(24-0)			886	18234.696	4.742	R 48	(27-1)			924	18230.040	0.040	P126	(28-0)			6.241	R153	(28-0)			1.801	P 80	(28-1)		
	8.366	R112	(29-1)			887	18234.625	4.625	R 82	(25-0)			925	18230.040	0.040	P 178	(28-1)	943	18225.835	5.833	R 66	(25-0)			1.479	P 54	(27-1)		
858	18238.263	8.268	P 6	(24-0)		887	18234.625	4.625	P 110	(29-1)			926	18230.040	0.040	P 178	(28-1)	944	18225.611	5.612	P 30	(24-0)	963	18221.481	1.533	P114	(29-1)		
	8.218	R 10	(24-0)			888	18234.312	4.320	P 85	(28-1)			927	18230.040	0.040	P 81	(28-1)	945	18225.412	5.412	R 34	(24-0)			1.092	P134	(27-0)		
859	18237.984	7.982	R 11	(24-0)		888	18234.312	4.318	P 17	(24-0)			928	18230.040	0.040	P 918	(28-0)	946	18225.161	5.163	R 55	(27-1)			0.864	R 39	(24-0)		
	7.875	P 42	(27-1)			889	18234.193	4.298	R112	(26-0)			929	18230.040	0.040	P 919	(28-0)	947	18225.104	5.102	R115	(26-0)			0.864	R 48	(28-1)		
860	18237.877	7.819	P109	(29-1)		890	18234.153	4.145	P 45	(27-1)			930	18230.040	0.040	P 920	(28-0)	948	18224.890	4.891	P133	(27-1)	970	18220.116	0.116	P 36	(24-0)		
861	18237.784	7.784	P 8	(24-0)		891	18233.937	4.145	P 45	(27-1)			931	18230.040	0.040	P 921	(28-0)	949	18224.761	4.761	P 31	(24-0)	971	18220.016	0.012	R 94	(28-1)		
	7.783	P 8	(24-0)			892	18233.803	3.804	P 18	(24-0)			932	18230.040	0.040	P 922	(28-0)	950	18224.554	4.555	R 35	(24-0)			1.8219.934	9.935	P 55	(27-1)	
	7.721	R 12	(24-0)			893	18233.679	3.681	R 22	(24-0)			933	18230.040	0.040	P 923	(28-0)	951	18224.468	4.468	R 40	(24-0)			9.876	R 40	(24-0)		
862	18237.434	7.433	R 13	(24-0)		894	18233.537	3.536	R134	(27-0)			934	18230.040	0.040	P 924	(28-0)	952	18219.877	9.877	P 85	(25-0)							
863	18237.572	7.571	P 77	(25-0)		895	18233.493	3.493	P 108	(27-1)			935	18230.040	0.040	P 925	(28-0)	953	18219.877	9.877	P 85	(25-0)							
864	18237.503	7.503	P 87	(24-0)		896	18233.493	3.493	P 108	(27-1)			936	18230.040	0.040	P 926	(28-0)	954	18219.877	9.877	P 85	(25-0)							
865	18237.434	7.433	R 13	(24-0)		897	18233.493	3.493	P 108	(27-1)			937	18230.040	0.040	P 927	(28-0)	955	18219.877	9.877	P 85	(25-0)							
866	18237.307	7.307	R111	(26-0)		898	18233.493	3.493	P 108	(27-1)			938	18230.040	0.040	P 928	(28-0)	956	18219.877	9.877	P 85	(25-0)							

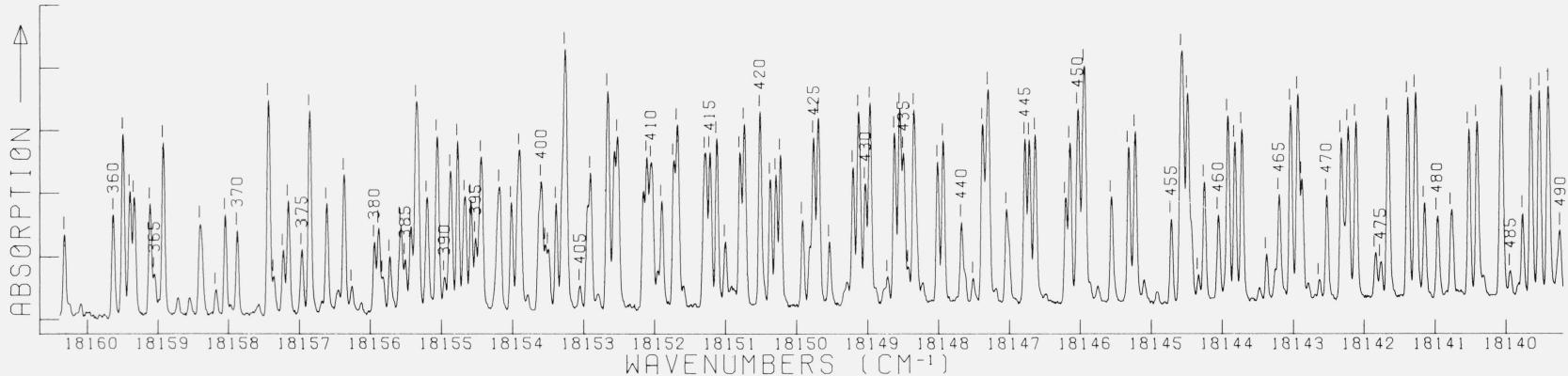




LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT					
1050	18200.531	0.529	R 56 (24-0)	1072	18195.332	5.330	P 95 (25-0)	1094	18190.374	0.450	P140	(30-1)	18186.537	6.600	P 3 (26-1)	1129	18183.493	3.440	P 14 (26-1)										
1051	18200.459	0.457	P 93 (25-0)		18195.225					0.376	P 59	(24-0)	6.540	R 7 (26-1)		1130	18183.347	3.346	R 67 (24-0)										
	18200.285	0.285	P 98 (28-1)	1073	18195.039	0.507	P 56 (24-0)			0.362	R 75	(27-1)	18186.443	6.446	P 4 (26-1)		1131	18183.266	3.272	P 75 (27-1)									
	18200.156				18194.887					0.336	P123	(29-1)	1107	18186.314	6.375	R 8 (26-1)								3.258	R 18 (26-1)				
1052	18200.101	0.099	R 70 (27-1)	1074	18194.798	4.796	R144	(27-0)		18190.182	0.176	R161	(28-0)	6.316	R102	(25-0)		18183.161											
1053	18199.464	9.464	P 53 (24-0)		18194.794	4.794	R160	(28-0)	1095	18190.096	0.094	P 97	(25-0)	6.274	R 77	(27-1)		18183.074	3.073	P125	(29-1)								
1054	18199.422	9.415	R 97 (25-0)	1075	18194.647	4.648	R 60 (24-0)		1096	18189.963	9.962	R 63 (24-0)		6.265	P 5 (26-1)		1132	18182.991	2.992	P 15 (26-1)									
1055	18199.336	9.380	R159 (28-0)		18194.636	4.636	P139	(30-1)	18189.640	9.678	R105	(28-1)	1108	18186.186	6.233	P141	(30-1)		18182.935	2.940	P10	(28-1)							
	9.332	R123 (26-0)			4.618	P100	(28-1)			9.634	P142	(27-0)		6.183	R 9	(26-1)		1133	18182.798	2.800	R 9	(26-1)							
1056	18199.262	9.260	P 67 (27-1)	1076	18194.528	4.525	P121	(26-0)		18189.607	9.591	P158	(28-0)	18186.052	6.058	P 6 (26-1)		1134	18182.595	2.592	R147	(27-0)							
1057	18199.100	9.098	R 57 (24-0)		18194.447	4.436	R125	(29-1)	1097	18189.477	9.475	P75	(27-1)	1109	18185.965	5.965	R 10 (26-1)		1135	18182.513	2.519	P 16 (26-1)							
1058	18198.802	8.804	R143 (27-0)	1077	18194.342	4.340	R 73 (27-1)		1098	18189.200	9.197	R126	(26-0)	1110	18185.905	5.903	P103 (28-1)		1136	18182.305	2.315	R 20 (26-1)							
	8.790	P138 (30-1)			18194.258	4.258	P99	(25-0)	1099	18188.992	8.991	R101	(25-0)	1111	18185.764	5.824	P 7 (26-1)							2.298	R128 (26-0)				
	8.775	P156 (28-0)			4.199	P157	(28-0)	1100	18188.770	8.837	P102	(28-1)		5.762	R127	(26-0)		1137	18182.081	2.083	P 68 (24-0)								
	18198.440				1079	18193.915	3.922	P122	(29-1)		8.770	P 60	(24-0)		5.720	R 11	(26-1)							2.074	R 79 (27-1)				
1059	18198.300	8.297	R102 (28-1)		18193.844				18188.684					5.569	P143	(27-0)								2.036	P100 (25-0)				
1060	18198.209	8.207	R 71 (27-1)	1080	18193.672	3.670	P141	(27-0)	1101	18186.347	8.347	R 64	(24-0)		5.563	P 8	(26-1)							2.018	P 17 (26-1)				
	18198.110				18193.509	3.509	P 57 (24-0)			8.332	R 76	(27-1)			5.527	R162	(28-0)								1.984	P142 (30-1)			
1061	18198.014	8.014	P 54 (24-0)			3.472	P 70 (27-1)		18187.838					1113	18185.480		5.479	P 62	(24-0)		1138	18181.803	1.804	R 21 (26-1)					
	7.996	R124 (29-1)		1082	18193.113	3.112	R 61 (24-0)		1102	18187.733	7.730	P123	(26-0)		5.448	R 12	(26-1)		1139	18181.627	1.627	R 68 (24-0)							
1062	18197.903	7.907	P 94 (25-0)	1083	18192.728	2.726	P96	(25-0)		18187.574					1114	18185.370		5.367	P 74	(27-1)		1140	18181.483	1.491	P 18 (26-1)				
1063	18197.643	7.676	P140 (27-0)		1084	18192.602	2.604	R125	(26-0)	1103	18187.437	7.436	P98	(25-0)		1115	18185.278		5.276	P 9	(26-1)			1.473	P14 (27-0)				
	7.641	R 58 (24-0)			18192.509		7.255	P140	(28-1)	7.435	P 73	(27-1)			1116	18185.148		5.150	P 13	(26-1)			1.430	R170 (29-0)					
1064	18197.472	7.479	P121 (29-1)	1085	18192.368	2.365	R 74	(27-1)	1104	18187.139	7.137	P61	(24-0)		1117	18185.041		5.040	R 66	(24-0)			1141	18181.263	1.266	R 22 (26-1)			
	7.466	P 99 (28-1)			18192.222				1105	18186.956	6.952	R 1	(26-1)		1118	18184.959		4.962	P 10	(26-1)			1142	18181.151	1.148	P 17 (26-1)			
1065	18197.362	7.359	P 68 (27-1)		18192.105					6.957	R 2	(26-1)			1119	18184.825		4.825	R 18	(26-1)			1143	18180.886	0.938	P 19 (26-1)			
18197.167					1086	18191.956	1.956	P 58 (24-0)			6.951	R 6	(26-1)			1120	18184.751		4.750	P 98	(25-0)				0.885	R109 (25-0)			
18197.029	7.027	P170 (29-0)	1087	18191.749	1.805	P174	(29-0)			6.935	R 3	(26-1)			1121	18184.617		4.621	R 11	(26-1)			1144	18180.821	0.822	P125 (26-0)			
18196.965	6.963	R173 (29-0)			1.742	P101	(28-1)		18186.874		6.876	R 4	(26-1)			1122	18184.472		4.473	R 15	(26-1)				0.847	R163 (28-0)			
1066	18196.851	6.850	R 98 (25-0)		1088	18191.639	1.638	R100	(25-0)		6.869	P 1	(26-1)			1123	18184.290		4.290	P124	(26-0)				0.847	R122 (26-1)			
	18196.694				1089	18191.552	1.550	R 62 (24-0)			6.854	R 5	(26-1)			1124	18184.125		4.125	R 12	(26-1)				0.845	R167 (28-0)			
1067	18196.590	6.539	P 55 (24-0)	1090	18191.490	1.487	P111	(27-1)		6.747	R106	(28-1)			1125	18184.094		4.095	R 18	(26-1)				0.846	P120 (24-0)				
1068	18196.290	6.287	R 72 (27-1)	1091	18191.144	1.142	P122	(26-0)		6.726	P 2	(26-1)			1126	18183.954		3.954	R 20	(26-1)				0.842	P120 (24-0)				
1069	18196.159	6.158	R 59 (24-0)			18191.063				6.720	P124	(29-1)			1127	18183.858		3.860	P 13	(26-1)				0.798	R108 (28-1)				
1070	18196.987	5.982	R124 (26-0)	1092	18190.838	0.846	R126	(29-1)		6.707	R 65	(24-0)			1128	18183.794		3.794	P 13	(26-1)				0.794	R179 (28-1)				
	18195.635				1093	18190.760	0.758	R145	(27-0)		6.690	R146	(27-0)			1129	18183.689		3.690	R 17	(26-1)				0.932	R 80 (27-1)			
1071	18195.437	5.453	R103 (28-1)							6.679	R 6	(26-1)			1130	18183.682		3.682	R 123	(29-1)				0.893	R122 (29-1)				
	5.429	P 69 (27-1)								6.634	R175	(29-0)			1131	18183.615		3.614	R103	(25-0)				0.881	R 69 (24-0)				

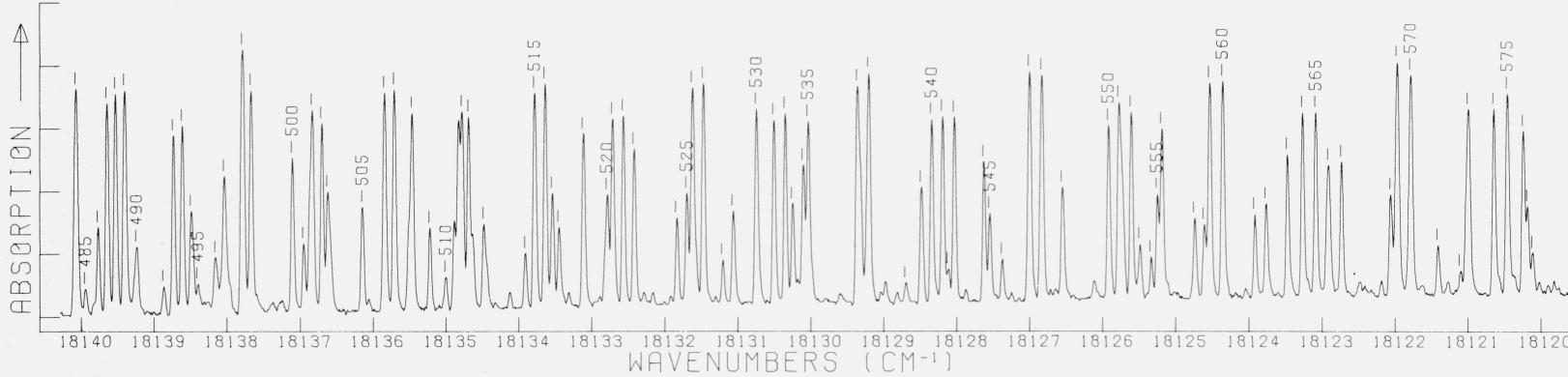


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254	18180.350	0.357	P 20	(26-1)	272	18176.635	2.725	R 34	(26-1)	293	18172.725	2.725	R 34	(26-1)	18168.675	8.666	R 132	(29-1)	339	18164.262	4.263	P 38	(26-1)		
	0.346	P 65	(24-0)		273	18176.530	6.528	P 102	(25-0)	294	18172.635	2.634	R 73	(24-0)	18168.552	8.549	R 112	(28-1)	340	18164.160	4.159	R 87	(27-1)		
	0.282	P 160	(28-0)		274	18176.312	6.316	P 26	(26-1)	295	18172.533	2.532	R 107	(25-0)	18168.451	8.452	P 35	(26-1)	341	18163.931	3.931	R 110	(25-0)		
255	18180.108	0.109	R 24	(26-1)			6.310	R 71	(24-0)	296	18172.441	2.439	R 131	(29-1)	18168.158	8.184	P 129	(29-1)	342	18163.792	3.793	R 43	(26-1)		
256	18179.883	9.948	P 105	(28-1)	18176.185	6.192	R 177	(29-0)	297	18172.379	2.378	P 81	(27-1)	18168.053	8.051	R 132	(26-0)	343	18163.530	3.531	P 78	(24-0)			
	9.933	R 80	(27-1)			6.181	R 130	(29-1)	298	18172.212	2.214	P 31	(26-1)	18168.053	8.050	P 105	(25-0)	344	18163.153	3.164	P 84	(27-1)			
	9.893	R 129	(29-1)		18176.151	6.135	R 160	(28-0)	299	18171.955	1.952	P 128	(29-1)		8.031	R 39	(26-1)		345	18163.054	3.051	P 130	(26-0)		
	9.881	R 69	(24-0)		275	18175.997	5.999	R 30	(26-1)	300	18171.859	1.840	R 35	(26-1)	18167.828	7.827	P 82	(27-1)	346	18162.983	2.982	R 78	(24-0)		
257	18179.749	9.750	P 21	(26-1)	18175.693	5.689	P 127	(29-1)	301	18171.733	1.734	R 131	(26-0)	18167.693	7.692	P 109	(28-1)	347	18162.666	2.667	R 44	(26-1)			
258	18179.490	9.491	R 25	(26-1)	276	18175.556	5.581	P 161	(28-0)	302	18171.660	1.655	R 111	(28-1)	18167.450	7.451	P 72	(24-0)		18162.449					
	18179.401	9.396	P 126	(29-1)		5.565	R 82	(27-1)	303	18171.538				7.445	P 36	(26-1)		348	18162.276	2.277	P 107	(25-0)			
259	18179.299	9.296	P 101	(25-0)		5.549	P 27	(26-1)	304	18171.396	1.392	R 165	(28-0)	321	18167.339				320	18162.007	2.007	P 41	(26-1)		
260	18179.116	9.117	P 22	(26-1)	18175.448				305	18171.268	1.314	P 32	(26-1)	322	18167.011	7.011	R 40	(26-1)	323	18166.922	6.922	R 76	(24-0)		
261	18179.000	8.998	P 77	(27-1)	277	18175.345	5.344	R 106	(25-0)	306	18171.187	1.267	P 70	(24-0)	324	18166.826	6.825	R 109	(25-0)	325	18166.660	6.662	P 129	(26-0)	
	18178.927				278	18175.287	5.284	R 130	(26-0)	307	18171.089	1.086	R 84	(27-1)	326	18166.498	6.496	R 86	(27-1)	326	18166.389	1.389	P 75	(24-0)	
262	18178.813	8.846	R 26	(26-1)	279	18175.221	5.221	R 31	(26-1)	308	18170.916	0.928	R 36	(26-1)	327	18166.410	6.411	P 37	(26-1)	327	18166.316	1.316	R 166	(28-0)	
	8.805	R 129	(26-0)		18175.099				309	18170.792	0.922	R 178	(29-0)	328	18166.089	6.085	P 163	(28-0)	329	18165.963	5.965	R 41	(26-1)		
263	18178.585	5.583	P 66	(24-0)	280	18174.979	4.977	P 68	(24-0)	310	18170.757	0.799	R 108	(28-1)	330	18165.908	5.909	R 151	(27-0)	330	18165.908	5.909	P 129	(28-0)	
264	18178.459	8.464	R 148	(27-0)	281	18174.750	4.755	P 28	(26-1)	311	18170.623	0.756	R 74	(24-0)	331	18165.614	5.619	R 179	(29-0)	331	18165.506	5.509	P 83	(27-1)	
	8.457	P 23	(26-1)		282	18174.614	4.613	P 79	(27-1)	312	18170.386	0.387	P 33	(26-1)	332	18165.419	5.414	R 113	(28-1)	332	18165.419	5.414	P 141	(28-1)	
	18178.316				283	18174.487	4.485	R 72	(24-0)	313	18170.246	0.245	P 128	(26-0)	333	18165.350	5.350	P 38	(26-1)	333	18165.350	5.350	P 146	(28-1)	
265	18178.118	8.174	R 27	(26-1)	284	18174.415	4.416	R 32	(26-1)	314	18170.118	0.118	R 150	(27-0)	334	18165.186	5.182	P 106	(25-0)	334	18165.186	5.182	P 106	(25-0)	
	8.128	R 105	(25-0)		285	18174.311	4.306	R 149	(27-0)	315	18170.077	0.077	R 179	(29-0)	335	18164.966	4.965	R 77	(24-0)	335	18164.332	0.333	R 46	(26-1)	
	8.109	R 70	(24-0)		18174.235				316	18170.026	0.026	R 179	(29-0)	336	18164.890	4.893	R 42	(26-1)	336	18164.890	4.893	R 111	(25-0)		
	18177.046				286	18173.934	3.935	P 29	(26-1)	317	18170.019	0.019	R 150	(27-0)	337	18164.799	4.794	P 148	(27-0)	337	18164.799	4.794	P 148	(27-0)	
266	18177.770	7.779	R 109	(28-1)	287	18173.883	3.878	P 107	(28-1)	318	18170.019	0.019	R 81	(27-1)	338	18164.674	4.673	P 146	(30-1)	338	18164.674	4.673	P 76	(24-0)	
	7.770	P 24	(26-1)		288	18173.801	3.799	P 127	(26-0)	319	18169.989	9.989	R 37	(26-1)	339	18164.541	4.541	R 133	(29-1)	339	18164.541	4.541	P 131	(29-1)	
	7.762	R 81	(27-1)		289	18173.735	3.732	P 103	(25-0)	320	18169.693	6.692	R 108	(25-0)	340	18164.410	4.410	P 108	(25-0)	340	18164.410	4.410	P 108	(25-0)	
	7.704	P 143	(30-1)		290	18173.584	3.584	R 33	(26-1)	321	18169.433	9.433	P 34	(26-1)	341	18164.287	4.287	P 107	(25-0)	341	18164.287	4.287	P 107	(25-0)	
267	18177.473	7.476	R 28	(26-1)	291	18173.341	3.392	P 144	(30-1)	322	18169.374	9.372	P 71	(24-0)	342	18164.160	4.160	R 972	(24-0)	342	18164.160	4.160	R 79	(24-0)	
	7.325	P 126	(26-0)		292	18173.136	3.193	P 146	(27-0)	323	18169.094	9.048	P 145	(30-1)	343	18164.037	4.037	R 133	(29-1)	343	18164.037	4.037	R 133	(29-1)	
268	18177.334	7.348	P 145	(27-0)		293	18173.341	3.392	P 144	(30-1)	324	18169.019	9.023	R 38	(26-1)	344	18163.897	3.897	R 114	(28-1)	344	18163.897	3.897	R 114	(28-1)
	6.793	P 67	(24-0)		294	18172.991				325	18169.019	9.008	P 147	(27-0)	345	18163.767	3.767	P 42	(26-1)	345	18163.767	3.767	P 42	(26-1)	
269	18177.054	7.056	P 25	(26-1)		295	18172.991	3.135	P 69	(24-0)	326	18169.019	9.008	P 147	(27-0)	346	18163.637	3.637	P 439	(26-1)	346	18163.637	3.637	P 439	(26-1)
270	18176.935	6.928	P 106	(28-1)		296	18172.991	3.088	P 30	(26-1)	327	18169.019	8.805	R 85	(27-1)	347	18163.505	3.505	P 76	(24-0)	347	18163.505	3.505	P 76	(24-0)
271	18176.796	6.819	P 78	(27-1)		297	18172.991	3.088	P 30	(26-1)	328	18169.053	8.805	R 85	(27-1)	348	18163.407	3.407	P 131	(26-0)	348	18163.407	3.407	P 131	(26-0)
	6.751	R 29	(26-1)		298	18172.991				329	18169.053	8.805	R 85	(27-1)	349	18163.347	3.347	P 108	(25-0)	349	18163.347	3.347	P 108	(25-0)	



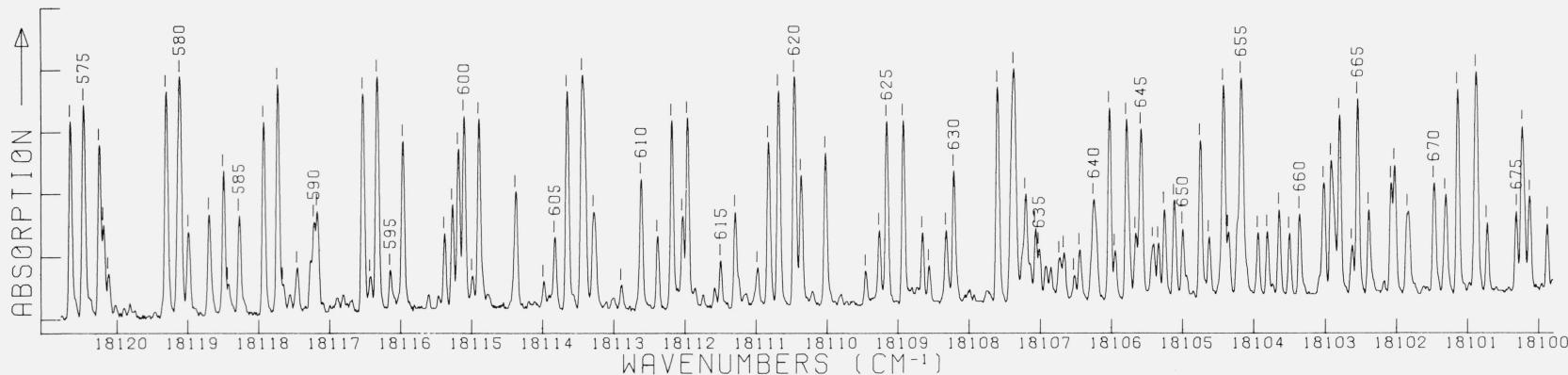
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LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT		
359	18160.332	0.333	R 46 (26-1)		387	18155.364	5.373	P 78 (24-0)		409	18152.175	2.176	P 14 (23-0)		437	18148.357	8.358	R 85 (24-0)		461	18143.941	3.941	R 87 (24-0)			
	18160.269					5.356	P 2 (23-0)			410	18152.126	2.124	R 18 (23-0)			8.318	P134 (26-0)			462	18143.843	3.842	P 28 (23-0)			
	18160.100					5.344	R 50 (26-1)				2.101	R 169 (28-0)				8.318	P134 (26-0)			463	18143.743	3.743	R 32 (23-0)			
360	18159.645	9.645	P 43 (26-1)		388	18155.217	5.231	P 3 (23-0)			2.076	R 114 (25-0)				8.024	P 22 (23-0)			464	18143.395	3.394	P 92 (27-1)			
361	18159.505	9.504	P 76 (24-0)		389	18155.074	5.081	R 113 (25-0)			2.053	R 92 (27-1)				7.946	R 26 (23-0)			465	18143.217	3.269	P153 (27-0)			
362	18159.407	9.411	P131 (26-0)			5.342	R 6 (23-0)			410	18152.062	2.076	R 114 (25-0)			7.687	P 52 (26-1)				3.217	P 55 (26-1)				
						5.214	R 7 (23-0)				2.044	P133 (26-0)				7.634	P152 (27-0)				3.217	P 55 (26-1)				
363	18159.347	9.345	P108 (25-0)			5.080	P 4 (23-0)			411	18151.975	1.969	P 151 (27-0)			441	18147.522			466	18143.055	3.056	P 29 (23-0)			
364	18159.125	9.126	R 47 (26-1)			5.060	R 8 (23-0)			412	18151.743	1.746	P 15 (23-0)			442	18147.390	7.390	P 23 (23-0)		467	18142.953	2.954	R 33 (23-0)		
365	18159.063	9.057	R115 (28-1)		390	18154.970	4.970	P113 (28-1)		413	18151.693	1.717	P114 (28-1)			443	18147.312	7.340	P112 (25-0)		468	18142.897	2.894	R117 (25-0)		
366	18158.937	8.936	R 80 (24-0)		391	18154.885	4.904	P 5 (23-0)			1.691	R 19 (23-0)				7.309	R 27 (23-0)				18142.804					
	18158.730					4.881	R 9 (23-0)				1.606	P166 (28-0)				18147.204	7.199	R170 (28-0)		469	18142.649	2.649	R120 (28-1)			
	18158.566					392	18154.784	4.784	R 82 (24-0)		414	18151.299	1.320	R 53 (26-1)			444	18147.050	7.054	R 56 (26-1)		470	18142.546	2.545	R 59 (26-1)	
367	18158.414	8.423	P 44 (26-1)		393	18154.682	4.702	P 6 (23-0)			4.676	R 10 (23-0)				445	18151.233	1.232	R 20 (23-0)		471	18142.343	2.344	P 84 (24-0)		
						4.676	R 10 (23-0)			415	18151.233	1.232	R 20 (23-0)			446	18146.793	6.793	P 82 (24-0)			2.293	R139 (26-0)			
368	18158.193	8.194	P112 (28-1)		394	18154.598	4.598	P 47 (26-1)		416	18151.136	1.136	P 80 (24-0)			446	18146.732	6.732	P 22 (23-0)		472	18142.245	2.265	R171 (28-0)		
369	18158.059	8.059	R112 (25-0)		395	18154.533	4.530	R 91 (27-1)		417	18151.017	1.018	P 89 (27-1)			447	18150.809	8.089	P 17 (23-0)		473	18142.138	2.139	R 34 (23-0)		
370	18157.891	7.892	R 48 (26-1)		396	18154.453	4.475	P 7 (23-0)		418	18150.809	8.089	P 17 (23-0)			448	18146.647	6.647	R 28 (23-0)		474	18141.862	1.862	R 98 (27-1)		
	18157.594					4.446	R 11 (23-0)			419	18150.748	0.748	R 21 (23-0)			449	18146.508	7.044	R 170 (28-0)		475	18141.786	1.796	P168 (28-0)		
371	18157.452	7.452	P 77 (24-0)		397	18154.197	4.223	P 8 (23-0)		420	18150.527	0.532	P 50 (26-1)			450	18146.223	6.224	P 53 (26-1)			1.782	P117 (28-1)			
372	18157.377	7.372	R153 (27-0)			4.191	R 12 (23-0)			421	18150.383	0.383	P111 (25-0)			451	18146.050	6.074	R138 (26-0)		476	18141.687	1.693	R 88 (24-0)		
373	18157.245	7.245	R135 (26-0)		398	18154.030	4.030	P 51 (26-1)			4.270	R 48 (26-1)				452	18145.578	5.578	R 57 (26-1)			1.674	P 56 (26-1)			
374	18157.174	7.175	P 45 (26-1)		399	18153.913	3.945	P 9 (23-0)		422	18150.303	0.303	P 18 (23-0)			453	18145.337	5.338	R137 (29-1)			1.398	R139 (29-1)			
	7.164	R135 (29-1)				3.910	R 13 (23-0)			423	18150.239	0.239	R 22 (23-0)			454	18145.963	5.989	R119 (28-1)		477	18141.408	1.408	P 31 (23-0)		
375	18156.981	6.979	R 90 (27-1)			3.270	P 48 (26-1)			424	18149.927	9.925	R 52 (26-1)			455	18145.772	5.578	R 57 (26-1)			1.398	R139 (29-1)			
	6.971	R168 (28-0)				4.692	P10 (23-0)			425	18149.771	9.827	R137 (26-0)			456	18145.578	5.578	R 57 (26-1)			1.298	R 35 (23-0)			
376	18156.873	6.873	R 81 (24-0)			3.603	R 14 (23-0)				9.771	R 19 (23-0)				457	18145.337	5.338	R138 (29-1)			1.298	R 35 (23-0)			
	6.699	P132 (29-1)				3.550	R136 (26-0)			426	18149.703	9.704	R 23 (23-0)			458	18144.507	4.507	R 31 (23-0)			0.959	R136 (29-1)			
377	18156.632	6.632	R 49 (26-1)		401	18153.550	3.550	P 88 (27-1)		427	18149.548	9.547	R 93 (27-1)			459	18144.370	4.370	R113 (25-0)			0.959	R136 (29-1)			
	6.464	P165 (28-0)				3.598	P110 (25-0)			428	18149.215	9.214	R 20 (23-0)			460	18144.083	4.083	P 114 (25-0)			0.959	R113 (25-0)			
378	18156.386	6.385	P109 (25-0)		404	18153.270	3.314	P 11 (23-0)			3.270	P 48 (26-1)				461	18143.941	3.941	R 87 (24-0)			0.959	R 87 (24-0)			
379	18156.278	6.274	P150 (27-0)			3.272	P 15 (23-0)			429	18149.136	9.143	R 20 (23-0)			462	18143.843	3.842	P 135 (29-1)			0.959	R 87 (24-0)			
	18156.149					3.267	P 79 (24-0)			430	18149.044	9.043	R115 (25-0)			463	18143.743	3.743	P 56 (26-1)			0.959	R 87 (24-0)			
380	18155.960	5.960	P 87 (27-1)			3.269	R136 (29-1)			431	18148.978	8.977	P 81 (24-0)			464	18140.987	0.987	R 60 (26-1)			0.959	R 87 (24-0)			
381	18155.899	5.900	P 46 (26-1)			2.960	P 12 (23-0)			432	18148.895	8.890	P130 (29-1)			465	18140.987	0.987	R 60 (26-1)			0.959	R 87 (24-0)			
382	18155.841	5.834	R116 (28-1)		405	18153.064	3.063	R154 (27-0)			1.915	P 16 (23-0)				466	18140.789	0.789	R 77 (24-0)			0.959	R 87 (24-0)			
383	18155.742	5.742	P132 (26-0)		406	18152.916	2.916	P 12 (23-0)			433	18148.632	8.632	P 21 (23-0)			467	18139.658	9.658	P 33 (23-0)			0.959	R 87 (24-0)		
384	18155.585	5.604	R 1 (23-0)							407	18152.810	2.810	P133 (29-1)			468	18139.541	9.541	R 89 (24-0)			0.959	R 89 (24-0)			
	5.602	R 2 (23-0)				2.915	P 16 (23-0)			434	18148.557	8.557	R 25 (23-0)			469	18139.444	9.444	R 61 (26-1)			0.959	R 89 (24-0)			
	5.580	R 0 (23-0)				2.689	P 52 (26-1)			435	18148.506	8.504	P 90 (27-1)			470	18139.248	9.248	R 97 (27-0)			0.959	R 97 (27-0)			
	5.575	R 3 (23-0)				2.669	P 83 (24-0)			436	18125.579	2.582	R117 (28-1)			471	18139.248	9.248	R 97 (27-0)			0.959	R 97 (27-0)			
385	18155.523	5.523	R 4 (23-0)			2.580	P 13 (23-0)			437	18148.437	8.435	P115 (28-1)			472	18139.248	9.248	R 97 (27-0)			0.959	R 97 (27-0)			
386	18155.445	5.445	P 1 (23-0)		408	18152.534	2.532	R 17 (23-0)			438	18148.437	8.435	P115 (28-1)			473	18139.248	9.248	R 97 (27-0)			0.959	R 97 (27-0)		



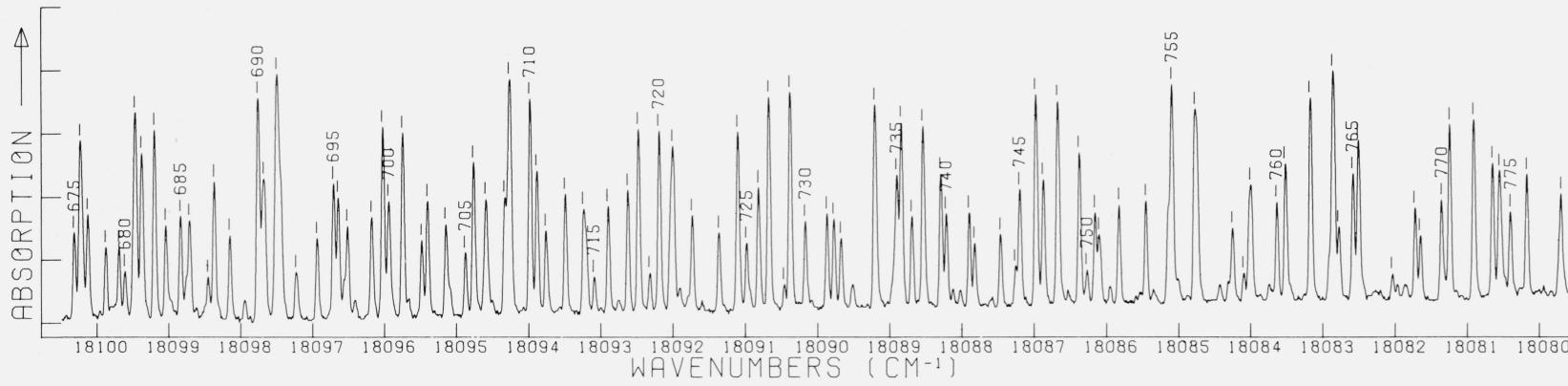
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LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT			
484	18140.083	0.413	P 57 (24-0)		506	18135.852	5.880	P 129 (24-1)		524	18131.844	1.859	P 170 (24-0)		544	18127.643	7.645	R 24 (24-0)		565	18123.100	5.112	R 52 (23-0)				
	0.080	P 85 (24-0)				507	18135.718	5.852	P 37 (23-0)	1.847	P 62 (26-1)	1.713	P 117 (25-0)	545	18127.561	7.590	R 68 (24-1)	2.948	R 144 (26-0)		566	18122.923	2.948	R 103 (27-1)			
485	18139.955	9.933	R 157 (27-0)		508	18135.473	5.119	R 41 (23-0)	1.713	P 117 (25-0)	525	18131.713	5.522	R 158 (27-0)	546	18127.390	7.390	P 99 (27-1)	2.943	R 103 (27-1)		567	18122.677	2.915	P 67 (26-1)		
486	18139.778	8.778	R 118 (25-0)			509	18135.231	5.522	R 98 (27-1)	1.658	P 41 (23-0)	526	18131.638	5.119	P 95 (27-1)	547	18127.270	7.272	P 174 (24-0)	2.747	R 96 (24-0)		568	18122.746	2.747	R 122 (25-0)	
487	18139.658	9.658	P 33 (23-0)			510	18135.012	5.012	P 119 (28-1)	1.584	P 120 (28-1)	527	18131.488	5.472	P 87 (24-0)	548	18126.851	6.875	R 143 (26-0)	18122.502			569	18122.077	2.078	R 71 (26-1)	
488	18139.541	9.541	R 37 (23-0)			511	18134.894	4.894	P 116 (25-0)	1.221	R 100 (27-1)	528	18131.221	4.837	P 38 (23-0)	549	18131.077	6.061	R 159 (27-0)	6.850	R 49 (23-0)		570	18121.987	2.005	P 120 (25-0)	
489	18139.414	9.418	R 89 (24-0)			512	18134.789	4.788	R 97 (27-1)	1.221	R 100 (27-1)	529	18131.077	4.788	R 91 (24-0)	550	18130.759	6.773	R 142 (26-0)	18126.664			571	18121.800	1.831	P 100 (27-1)	
490	18139.248	9.279	R 121 (28-1)			513	18134.699	4.700	R 32 (23-0)	1.061	R 159 (27-0)	530	18130.599	4.788	R 91 (24-0)	551	18126.569	6.569	R 160 (27-0)	1.986	R 126 (28-1)		572	18121.426	1.425	P 141 (26-0)	
491	18138.877	8.873	P 154 (27-0)			514	18134.645	4.645	R 42 (23-0)	0.758	P 89 (24-0)	531	18130.520	5.642	R 141 (26-0)	552	18126.569	6.569	R 65 (26-1)	1.986	P 43 (23-0)		573	18121.119	1.121	P 123 (28-1)	
492	18138.744	8.745	P 34 (23-0)			515	18134.645	4.642	R 141 (26-0)	0.521	P 42 (23-0)	532	18130.366	5.368	R 46 (23-0)	553	18126.132	5.938	P 91 (24-0)	574	18121.011	1.048	P 68 (26-1)				
493	18138.622	8.622	R 38 (23-0)			516	18134.490	4.491	R 64 (26-1)	0.263	R 21 (25-0)	533	18130.263	5.128	R 97 (27-1)	554	18125.937	5.797	P 46 (23-0)	1.012	P 93 (24-0)		575	18120.665	0.664	P 50 (23-0)	
494	18138.499	8.506	P 58 (26-1)			517	18134.333	4.448	P 155 (27-0)	0.115	P 63 (26-1)	534	18130.118	5.128	P 97 (27-1)	555	18125.795	5.760	R 69 (26-1)	1.795	P 172 (28-0)		576	18120.477	0.475	R 54 (23-0)	
495	18138.409	8.412	P 118 (28-1)			518	18134.299	4.299	R 172 (28-0)	0.052	R 93 (24-0)	535	18130.051	5.923	R 98 (27-1)	556	18125.626	5.730	R 102 (27-1)	577	18120.384	0.384	P 141 (29-1)				
496	18138.170	8.194	P 94 (27-1)			519	18133.924	3.923	R 98 (27-1)	0.052	R 93 (24-0)	536	18130.356	5.923	R 141 (29-1)	557	18124.755	4.756	P 66 (26-1)	0.594	P 141 (29-1)		578	18120.256	0.258	R 97 (24-0)	
497	18138.047	8.047	P 115 (25-0)			520	18133.796	3.796	P 39 (23-0)	0.992	P 156 (27-0)	537	18129.377	9.379	P 43 (23-0)	558	18124.625	4.626	P 125 (28-1)	0.496	R 124 (25-0)		579	18120.198	0.196	R 72 (26-1)	
498	18137.797	7.806	P 35 (23-0)			521	18133.654	3.655	R 43 (23-0)	0.992	P 156 (27-0)	538	18128.905	9.334	P 67 (26-1)	559	18124.535	4.535	P 140 (28-1)	1.012	P 93 (24-0)		580	18120.091	1.012	P 93 (24-0)	
499	18137.680	7.681	R 39 (23-0)			522	18132.583	2.585	R 44 (23-0)	0.992	P 156 (27-0)	539	18128.500	8.505	P 118 (25-0)	560	18124.436	4.436	P 122 (28-1)	0.996	P 158 (27-0)		581	18120.031	0.031	18119.911	
18137.385	7.380	R 140 (29-1)			523	18132.454	2.451	R 123 (28-1)	0.992	P 156 (27-0)	540	18128.358	8.362	P 90 (24-0)	561	18123.933	3.933	R 70 (26-1)	18119.828			582	18120.129	0.127	R 104 (27-1)		
18137.261	7.299	R 172 (28-0)			524	18132.299	2.301	R 173 (28-0)	0.992	P 156 (27-0)	541	18128.210	8.210	P 44 (23-0)	562	18123.779	3.779	R 123 (25-0)	18119.828			583	18120.766	1.766	18119.824		
500	18137.115	7.116	R 90 (24-0)			525	18132.099	2.095	P 138 (29-1)	0.992	P 156 (27-0)	542	18128.192	8.192	R 124 (28-1)	563	18123.488	3.488	P 92 (24-0)	18119.766			584	18120.384	0.384	18119.764	
501	18136.963	6.966	P 137 (26-0)			526	18132.801	2.838	P 96 (27-1)	0.992	P 156 (27-0)	543	18128.833	8.832	P 139 (29-1)	564	18123.281	3.281	P 48 (23-0)	18119.764			585	18120.031	0.031	18119.764	
502	18136.844	6.882	P 59 (26-1)			527	18132.729	2.799	R 65 (26-1)	2.730	P 4 (23-0)	544	18128.710	8.710	P 97 (27-1)	565	18123.210	3.210	P 48 (23-0)	18119.764			586	18119.824	1.824	18119.764	
503	18136.712	6.713	R 40 (23-0)			528	18132.454	2.451	R 123 (28-1)	2.433	R 92 (24-0)	545	18128.500	8.505	P 118 (25-0)	566	18123.198	0.198	R 72 (26-1)		587	18119.824	1.824	18119.764			
504	18136.631	6.634	R 119 (25-0)			529	18132.299	2.301	R 173 (28-0)	2.301	R 173 (28-0)	546	18128.047	8.048	R 48 (23-0)	567	18123.281	3.281	P 48 (23-0)	18119.764			588	18119.824	1.824	18119.764	
505	18136.156	6.156	R 63 (26-1)			530	18132.177	1.8131.934				547	18128.210	8.210	P 44 (23-0)	568	18123.281	3.281	P 48 (23-0)	18119.764			589	18119.824	1.824	18119.764	



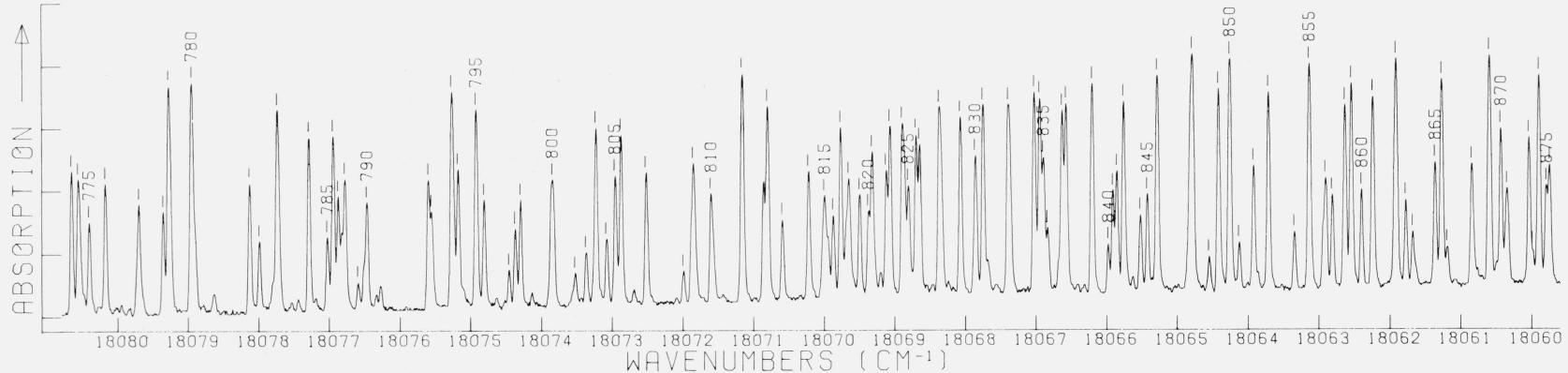
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LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT			
574	18120.665	0.664	P 50 (23-0)		594	18116.344	6.351	R 74 (26-1)		618	18110.837	0.839	P 97 (24-0)		635	18107.032	7.025	R 7 (25-1)				
	0.594	P 141 (29-1)				595	18116.157	6.158	P 102 (27-1)		619	18110.696	0.697	P 57 (23-0)		658	18103.656	3.659	R 129 (25-0)			
575	18120.477	0.496	R 124 (25-0)			596	18115.977	5.979	P 95 (24-0)		620	18110.472	0.478	R 127 (25-0)			659	18103.511	3.511	P 15 (25-1)		
	0.475	R 54 (23-0)				597	18115.395	5.394	P 122 (25-0)			621	18110.379	0.392	P 120 (28-1)		636	18106.742	6.757	P 127 (28-1)		
576	18120.256	0.258	R 97 (24-0)			598	18115.285	5.284	P 71 (26-1)			622	18110.219	0.219	P 124 (25-0)		637	18106.680	6.677	R 9 (25-1)		
577	18120.198	0.196	R 72 (26-1)			599	18115.201	5.201	R 99 (24-0)		623	18110.036	0.036	R 101 (24-0)		638	18106.535	6.532	P 6 (25-1)			
578	18120.129	0.127	R 104 (27-1)			600	18115.121	5.121	P 56 (23-0)		624	18109.823	9.465	P 144 (26-0)		639	18106.460	6.464	R 10 (25-1)			
	18120.031					601	18115.003	5.006	R 146 (26-0)		625	18109.464	9.465	P 144 (26-0)		640	18106.261	6.501	P 20 (25-1)			
18119.911						602	18114.911	4.913	R 56 (23-0)		626	18108.940	8.940	R 62 (23-0)			641	18106.041	6.043	P 25 (25-1)		
18119.828						603	18114.392	4.409	R 106 (27-1)		627	18108.670	8.672	P 124 (25-0)			642	18105.962	5.960	R 12 (25-1)		
18119.766						604	18113.998	3.998	P 125 (28-1)		628	18108.576	8.578	R 108 (27-1)		643	18105.798	5.800	R 64 (23-0)			
18119.479						605	18113.843	3.845	R 126 (25-0)		629	18108.355	8.334	R 78 (26-1)			644	18105.669	5.669	R 13 (25-1)		
579	18119.317	9.317	P 51 (23-0)			606	18113.671	3.673	P 55 (23-0)		630	18108.227	8.229	P 98 (24-0)		645	18105.594	5.620	R 108 (27-1)			
580	18119.125	9.154	P 69 (26-1)			607	18113.454	3.481	P 143 (26-0)		631	18107.616	7.618	R 130 (28-1)			646	18105.425	5.451	P 10 (25-1)		
	9.123	R 55 (23-0)						18113.577	4.398	R 75 (26-1)		632	18107.386	7.440	R 1 (25-1)			647	18105.352	5.420	P 115 (26-0)	
581	18118.999	9.009	P 101 (27-1)			608	18113.296	3.508	P 72 (25-1)		633	18107.219	7.437	P 105 (27-1)		648	18105.269	5.269	P 125 (25-0)			
	8.991	R 145 (26-0)				609	18112.907	2.909	R 163 (27-0)		634	18107.081	7.295	P 1 (25-1)		649	18105.126	5.134	P 76 (26-1)			
582	18118.712	8.714	P 94 (25-0)			610	18112.629	2.632	R 110 (24-0)		635	18106.999	7.436	R 2 (25-1)		650	18105.009	5.008	P 16 (25-1)			
583	18118.508	8.509	P 94 (24-0)			611	18112.398	2.397	R 76 (26-1)		636	18106.758	7.418	R 0 (25-1)		651	18104.761	4.765	R 15 (25-1)			
584	18118.443	8.439	R 127 (28-1)			612	18112.198	2.232	P 143 (29-1)		637	18106.516	7.406	R 3 (25-1)		652	18104.753	4.753	P 12 (25-1)			
585	18118.268	8.287	R 73 (26-1)			613	18112.047	2.047	P 56 (23-0)		638	18106.386	7.383	R 63 (23-0)		653	18104.638	4.638	R 16 (25-1)			
586	18117.943	7.944	P 52 (23-0)			614	18111.977	1.978	R 60 (23-0)		639	18106.247	7.350	R 4 (25-1)		654	18104.436	4.474	P 108 (27-1)			
587	18117.743	7.745	R 56 (23-0)			615	18111.508	1.508	P 123 (25-0)		640	18106.120	7.329	P 103 (27-1)		655	18104.095	4.477	P 61 (23-0)			
	7.743	R 98 (24-0)				616	18111.304	1.305	P 73 (26-1)		641	18106.097	7.295	P 1 (25-1)		656	18103.952	3.952	R 131 (28-1)			
588	18117.667	7.657	P 124 (28-1)			617	18110.988	0.990	R 147 (26-0)		642	18105.099	7.268	R 5 (25-1)		657	18103.820	3.820	P 3 (25-1)			
18117.572								18111.756	1.885	P 160 (27-0)		643	18104.187	7.257	P 161 (27-0)		658	18100.738	0.738	R 24 (25-1)		
589	18117.470	7.493	R 162 (27-0)			618	18111.592	1.592	P 173 (28-0)		644	18104.076	7.218	P 75 (26-1)		659	18100.322	0.522	R 21 (25-1)			
	7.468	P 142 (26-0)				619	18111.508	1.508	R 107 (27-1)		645	18104.018	7.195	P 2 (25-1)		660	18100.236	0.256	R 132 (28-1)			
590	18117.232	7.282	R 105 (27-1)			620	18111.304	1.255	R 129 (28-1)		646	18103.952	7.159	R 6 (25-1)		661	18103.029	3.022	R 130 (25-0)			
	7.282	P 70 (26-1)				621	18111.152	1.255	R 129 (28-1)		647	18103.081	7.082	R 128 (25-0)		662	18102.925	2.929	P 100 (24-0)			
591	18117.188	7.185	R 125 (25-0)			622	18110.988	0.990	R 147 (26-0)		648	18103.081	7.068	P 3 (25-1)		663	18102.808	2.808	R 149 (26-0)			
18116.907										649	18103.820	7.068	R 18 (25-1)		664	18102.632	2.633	R 110 (27-1)				
18116.821										650	18103.656	6.501	R 20 (25-1)		665	18102.554	2.556	R 66 (23-0)				
18116.711										651	18103.511	6.577	R 20 (25-1)		666	18102.397	2.397	R 21 (25-1)				
18116.546										652	18103.477	6.569	R 13 (25-1)		667	18102.086	2.088	R 104 (24-0)				
592	18116.533	6.533	(23-0)							653	18103.436	6.592	R 108 (27-1)		668	18102.036	2.036	R 81 (26-0)				
593	18116.440	6.442	P 159 (27-0)							654	18103.395	6.592	R 108 (27-1)		669	18101.850	1.870	R 22 (25-1)				
	6.428	P 142 (29-1)								655	18103.346	6.592	R 14 (25-1)			670	18101.485	1.489	P 19 (25-1)			
										656	18103.295	6.592	R 16 (25-1)			671	18101.320	1.345	P 146 (26-0)			
										657	18103.247	6.592	R 10 (25-1)			672	18101.152	1.153	P 63 (23-0)			
										658	18103.195	6.592	R 16 (25-1)			673	18100.895	0.919	P 20 (25-1)			
										659	18103.143	6.592	R 16 (25-1)			674	18100.738	0.738	R 24 (25-1)			
										660	18103.095	6.592	R 15 (25-1)			675	18100.322	0.522	R 21 (25-1)			
										661	18103.047	6.592	R 17 (25-1)			676	18100.236	0.256	R 132 (28-1)			
										662	18103.009	6.592	R 15 (25-1)			677	18100.132	0.133	R 25 (25-1)			
										663	18102.952	3.952	R 131 (28-1)			678	18099.881	9.881	R 82 (26-1)			



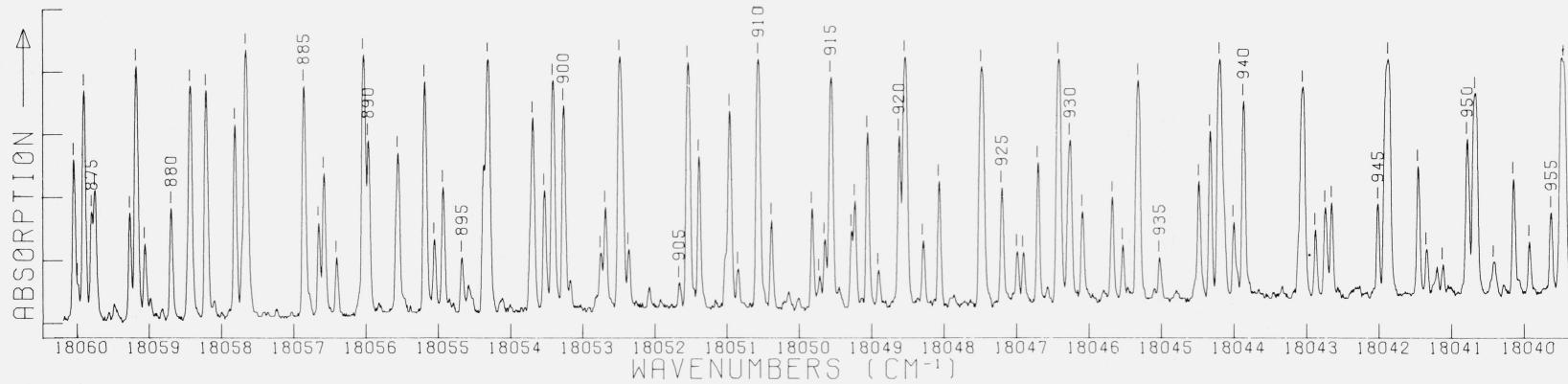
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LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	
675	18100.322	0.322	P 21	(25-1)	697	18096.525	6.574	R112	(27-1)	719	18092.334	2.335	P110	(27-1)	18086.034	18086.013	4.035	R 89	(26-1)	759	18084.013	4.005	P 40	(25-1)	
676	18100.236	0.256	R132	(28-1)		6.529	R133	(28-1)		720	18092.204	2.206	P 82	(26-1)	18087.909	7.908	R 40	(25-1)		18083.884	3.758	P166	(27-0)		
		0.239	P101	(24-0)		6.524	P 80	(26-1)		721	18092.015	2.056	P 82	(26-1)	18087.832	7.834	P130	(25-0)		18083.757	3.651	R 44	(25-1)		
		0.207	R130	(25-0)	698	18096.190	6.190	P 27	(25-1)			2.028	P 32	(25-1)	18087.606		18083.652	3.654	P107	(24-0)					
677	18100.132	0.133	R 25	(25-1)		6.034	P 66	(23-0)			722	18091.917	1.919	P131	(28-1)	18087.478	7.479	P 84	(26-1)	760	18083.652	3.654	P167	(27-0)	
678	18099.881	9.881	R 82	(26-1)	700	18095.953	9.561	R 31	(25-1)		723	18091.747	1.746	R 33	(25-1)	18087.269	7.271	R115	(27-1)	761	18083.533	3.534	P107	(24-0)	
679	18099.699	9.698	P 22	(25-1)	701	18095.759	5.759	R 70	(23-0)		724	18091.613	1.613	18086.987	6.988	P 71	(23-0)	762	18083.187	3.189	P 73	(23-0)			
680	18099.617	9.618	R111	(27-1)		18095.673	5.673	P130	(28-1)		725	18091.376	1.377	P129	(25-0)	18086.884	6.884	R 41	(25-1)	763	18082.873	2.926	P113	(27-1)	
681	18099.474	9.501	R 24	(25-1)	702	18095.491	5.491	R 84	(26-1)		726	18091.114	1.114	P 33	(25-1)	18086.682	6.682	R 75	(23-0)		2.884	P 41	(25-1)		
		9.472	P 64	(23-0)	703	18095.410	5.410	P109	(27-1)		727	18091.091	1.091	1.114	R108	(24-0)	18086.541		2.870	R 77	(23-0)				
		9.458	P144	(29-1)		5.410	P 28	(25-1)			728	18090.991	0.991	R 86	(26-1)	18086.385	6.403	P149	(29-1)	764	18082.793	2.793	P 88	(26-1)	
682	18099.384	9.398	P129	(28-1)	704	18095.162	5.162	R 32	(25-1)		729	18090.826	0.826	R 37	(25-1)	18086.259	6.259	P160	(24-0)	765	18082.599	2.600	R111	(24-0)	
		9.365	R105	(24-0)		5.137	P147	(29-1)			730	18090.786	0.786	P 148	(29-1)	18086.204	6.204	P153	(26-0)	766	18082.523	2.526	R152	(25-0)	
683	18099.208	9.209	R 68	(23-0)	705	18094.891	4.892	P128	(25-0)		731	18089.783	0.783	P 69	(23-0)	18086.280	6.280	R153	(26-0)	767	18082.054	2.058	R154	(26-0)	
684	18099.049	9.049	P 23	(25-1)	706	18094.778	4.778	P103	(24-0)		732	18089.683	0.683	R 152	(26-0)	18086.167	6.167	P 38	(25-1)	768	18081.986	1.986	P150	(29-1)	
		8.973	R163	(27-0)	707	18094.605	4.635	R151	(26-0)		733	18089.600	0.600	R 114	(27-1)	18086.110	6.118	R134	(25-0)	769	18081.664	1.662	R 90	(26-1)	
685	18098.844	8.844	R 27	(25-1)		4.604	P 29	(25-1)			734	18089.530	0.401	R 73	(23-0)	18085.957		1.364	P 40	(25-1)					
686	18098.720	8.768	R150	(26-0)		18094.517					735	18089.488	0.390	R 73	(23-0)	18085.354	1.325	R137	(28-1)						
		8.717	P 79	(26-1)	708	18094.346	4.348	R 33	(25-1)		736	18089.180	0.179	P 34	(25-1)	18085.333	5.832	R 42	(25-1)	770	18081.365	1.364	P 78	(23-0)	
			709	18094.277	4.304	P 81	(26-1)			737	18089.880	0.880	P 25	(25-1)	18085.250	1.250	P 78	(23-0)		771	18081.250	1.250	P 78	(23-0)	
687	18098.461	8.461	P108	(27-1)		4.276	P 67	(23-0)			738	18089.783	0.781	P 83	(26-1)	18085.464	5.464	R110	(24-0)	772	18080.924	0.925	R117	(27-1)	
688	18098.375	8.375	P127	(25-0)		4.265	R167	(27-0)			739	18089.682	0.683	R133	(25-0)	18085.101	5.171	R136	(28-1)		773	18080.658	0.664	P132	(25-0)
		8.374	P 24	(25-1)	710	18093.994	3.995	R 71	(23-0)		740	18089.523	0.523	R168	(27-0)	18085.426	5.426	P 85	(26-1)		774	18080.562	0.563	P133	(25-1)
689	18098.160	8.160	R 28	(25-1)	711	18093.897	3.898	R107	(24-0)		741	18089.212	0.229	P111	(27-1)	18085.019	5.019	P 39	(25-1)		775	18080.434	0.434	P 479	(P134)
690	18097.950	7.949	P163	(27-0)	712	18093.771	3.771	P 30	(25-1)		742	18089.167	0.167	P105	(24-0)	18084.899	4.899	P 87	(26-1)		776	18080.409	0.408	R 87	(26-1)
691	18097.766	7.766	P 65	(23-0)	713	18093.505	3.506	R 34	(25-1)		743	18089.097	0.097	R 39	(25-1)	18084.779	4.779	R 76	(23-0)		777	18080.182	0.182	R 47	(25-1)
692	18097.501	7.522	P102	(24-0)	714	18093.252	3.255	R 85	(26-1)		744	18088.910	0.897	R135	(28-1)	18084.019	4.019	R 169	(27-0)		778	18080.276	0.276	R116	(24-0)
		7.497	R 69	(23-0)		3.219	R132	(25-0)			745	18088.848	0.848	P 70	(23-0)	18084.755	4.755	P150	(26-0)		779	18080.182	0.182	R 47	(25-1)
		7.450	R 29	(25-1)	715	18093.106	3.109	P148	(26-0)		746	18088.701	0.700	R 87	(26-1)	18084.024	4.024	R 74	(23-0)		780	18080.951	0.951	R170	(27-0)
693	18097.237	7.242	P147	(26-0)	716	18092.914	2.913	P 31	(25-1)		747	18088.548	0.549	R 74	(23-0)	18084.319	4.319	P133	(28-1)		781	18087.844	0.844	R 741	(P114)
694	18096.945	6.944	P 26	(25-1)		18092.771	2.773	R134	(28-1)		748	18088.451	0.451	P165	(27-0)	18084.261	4.261	P131	(25-0)		782	18087.708	0.708	R 741	(P114)
695	18096.719	6.727	R131	(25-0)	717	18092.640	2.639	R 35	(25-1)		749	18088.302	0.303	R109	(24-0)	18084.226	4.226	P 36	(25-1)		783	18087.654	0.654	R 112	(24-0)
		6.714	R 30	(25-1)	718	18092.492	2.493	P 68	(23-0)		750	18088.135	0.136	P132	(28-1)	18084.108	4.112	R116	(27-1)		784	9.707	9.707	R 112	(24-0)

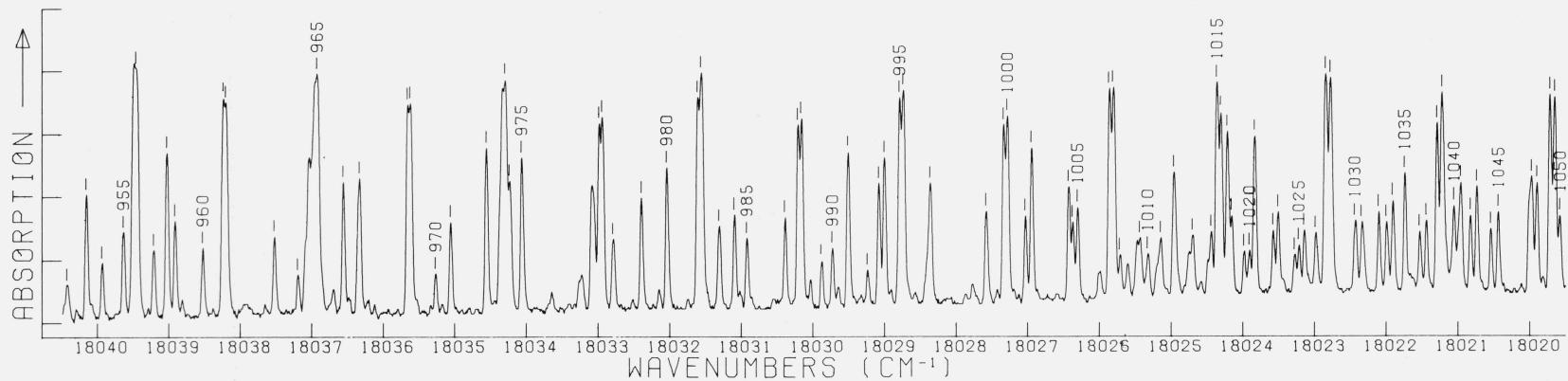


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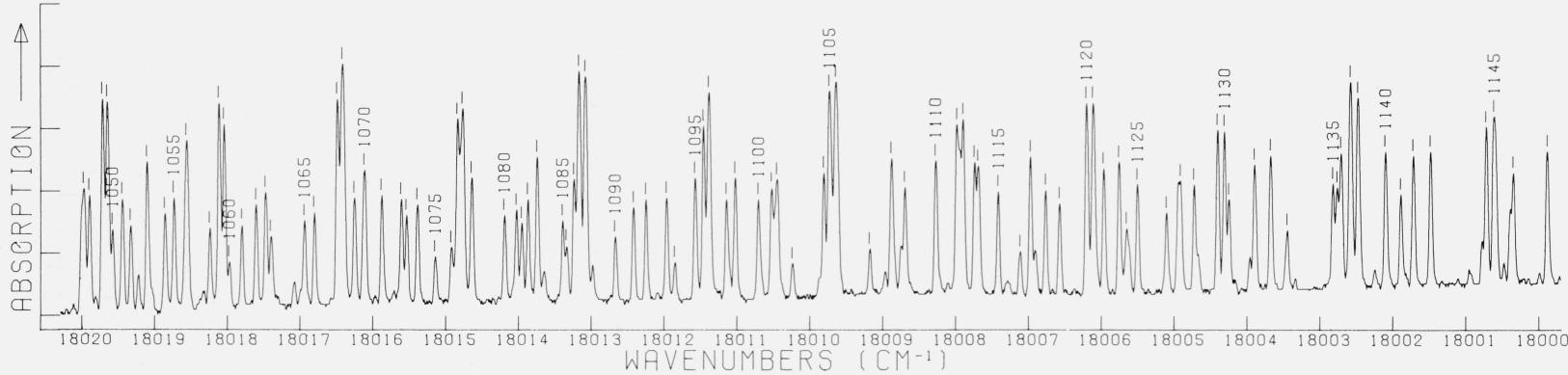
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773	18080.658	0.664	P132 (25-0)		791	18075.606	5.606	P 47 (25-1)		815	18070.006	0.030	R 1 (22-0)		830	18067.870	7.889	R121 (27-1)		850	18064.271	4.277	R 97 (26-1)					
	0.656	P108 (24-0)			792	18075.563	5.558	P 89 (26-1)			0.030	R 2 (22-0)		7.871	R139 (25-0)			4.276	R 23 (22-0)									
774	18080.562	0.563	P 43 (25-1)		793	18075.278	5.281	P 77 (23-0)			0.006	R 0 (22-0)		7.868	R116 (24-0)			4.269	R 23 (22-0)									
	0.534	P151 (26-0)				5.255	R137 (25-0)			0.005	R 3 (22-0)		7.764	P 11 (22-0)		831	18067.761	7.764	P 11 (22-0)		851	18064.135	4.136	R144 (25-0)				
	0.479	P134 (28-1)			794	18075.187	5.187	R 51 (25-1)			9.996	P117 (27-1)		7.760	R 15 (22-0)			18064.020	4.021	P150 (29-1)								
775	18080.409	0.408	P 87 (26-1)		795	18074.934	4.935	R 81 (23-0)			9.955	R 4 (22-0)		7.694	P154 (26-0)		832	18067.404	7.415	P 12 (22-0)		852	18063.932	3.930	R 59 (25-1)			
18080.276					796	18074.818	4.819	P110 (24-0)		816	18069.880	9.881	P 1 (22-0)			9.880	R 5 (22-0)			18063.723	3.727	P 29 (22-0)						
18080.024						18074.645				817	18069.774	9.742	P 2 (22-0)			9.880	R 6 (22-0)			18063.354	3.355	P155 (26-0)						
18079.951	9.957	R170 (27-0)			797	18074.465	4.465	R119 (27-1)			9.781	R 6 (22-0)		7.381	P 53 (25-1)			18063.149	3.154	P 21 (22-0)								
18079.844					799	18074.301	4.301	P 48 (25-1)			9.770	R 55 (25-1)		7.041	P 13 (22-0)			18063.149	3.146	R 25 (22-0)								
18079.708	9.741	P114 (27-1)			18074.144	4.143	P168 (27-0)		818	18069.659	9.697	P135 (25-0)			9.037	R 17 (22-0)			18062.916	2.951	P 94 (26-1)							
9.707	R112 (24-0)				800	18073.856	3.872	R 52 (25-1)			9.657	P 3 (22-0)		7.037	R 17 (22-0)			18062.916	2.951	P 94 (26-1)								
777	18079.364	9.363	P 44 (25-1)			3.842	R114 (24-0)			833	18067.037	7.041	P 13 (22-0)			9.037	R 17 (22-0)			18062.812	2.821	P114 (24-0)						
778	18079.282	9.286	P 75 (23-0)		801	18073.532	3.542	R139 (28-1)			9.656	R 7 (22-0)		834	18066.958	6.959	P 81 (23-0)			9.037	R 17 (22-0)			18062.643	2.642	P 83 (23-0)		
9.261	R 91 (26-1)					3.542	R139 (28-1)			835	18066.906	6.903	R 57 (25-1)			9.605	R140 (28-1)			18066.639	6.690	P118 (27-1)						
780	18078.958	8.972	R 48 (25-1)			18073.458				819	18069.506	9.508	P 4 (22-0)			9.506	R 8 (22-0)			18066.551	2.556	P 22 (22-0)						
8.966	P167 (27-0)				802	18073.379	3.381	P134 (25-0)			9.506	R 8 (22-0)		9.506	R 8 (22-0)			18066.551	2.556	R 25 (22-0)								
8.954	R 79 (23-0)				803	18073.240	3.273	P116 (27-1)			9.506	R 9 (22-0)		9.506	R 9 (22-0)			18066.406	2.404	R 60 (25-1)								
8.904	R136 (25-0)					3.233	P 78 (23-0)			820	18069.383	9.382	R 9 (26-1)			9.506	R 9 (22-0)			18066.251	2.253	R 87 (23-0)						
18078.803					804	18073.091	3.091	P 90 (26-1)			9.289	P169 (27-0)		9.506	R 9 (22-0)			18066.331	2.325	P137 (25-0)								
18078.639						3.068	P152 (29-1)			821	18069.331	9.333	P 5 (22-0)			9.506	R 9 (22-0)			18066.251	2.253	R 87 (23-0)						
781	18078.137	8.137	P 45 (25-1)		805	18072.970	2.969	P 49 (25-1)			9.289	P169 (27-0)		9.506	R 9 (22-0)			18066.215	6.219	P 15 (22-0)								
18077.998	7.997	P 88 (26-1)			806	18072.886	2.886	R 2 (23-0)			9.215	R157 (26-0)		9.506	R 9 (22-0)			18066.215	6.219	R 19 (22-0)								
782	18077.743	7.807	R155 (26-0)			18072.700	2.702	P136 (28-1)			9.134	P 6 (22-0)		9.506	R 9 (22-0)			18065.986	5.986	P136 (25-0)								
7.751	P109 (24-0)				807	18072.531	2.531	R 53 (25-1)			9.078	P 80 (23-0)		9.506	R 9 (22-0)			18065.918	5.917	P 56 (25-1)								
7.737	R 49 (25-1)					18072.101				823	18069.079	9.078	P 80 (23-0)			9.506	R 9 (22-0)			18065.861	5.861	P113 (24-0)						
7.709	R118 (27-1)				808	18071.999	2.004	P153 (26-0)			9.098	R 11 (22-0)		9.506	R 9 (22-0)			18065.767	5.771	P 16 (22-0)								
18077.543	7.545	P151 (29-1)			809	18071.861	1.893	R 94 (26-1)			9.084	P162 (27-0)		9.506	R 9 (22-0)			18065.637	5.638	R141 (28-1)								
18077.443	7.448	R138 (28-1)				1.860	P111 (24-0)			825	18068.819	8.817	P 52 (25-1)			9.506	R 9 (22-0)			18065.530	5.527	P 93 (26-1)						
784	18077.296	7.296	P 76 (23-0)		810	18071.610	1.612	P 50 (25-1)			8.711	R 44 (23-0)		9.506	R 9 (22-0)			18065.432	5.430	R 58 (25-1)								
18077.198						1.577	R138 (25-0)			826	18068.711	8.711	R 44 (23-0)			9.506	R 9 (22-0)			18065.292	5.297	P 17 (22-0)						
785	18077.037	7.036	P133 (25-0)		811	18071.170	1.191	R120 (27-1)			8.658	R 12 (22-0)		9.506	R 9 (22-0)			18065.291	5.291	R 21 (22-0)								
786	18076.957	6.958	R 80 (23-0)			1.171	P 79 (23-0)			827	18068.660	9.100	P 7 (22-0)			9.506	R 9 (22-0)			18065.176	5.176	R 20 (22-0)						
787	18076.885	6.884	P 46 (25-1)			1.164	R 54 (25-1)				828	18068.380	8.367	P 9 (22-0)			9.506	R 9 (22-0)			18065.176	5.176	R 20 (22-0)					
6.788	R113 (24-0)				812	18070.811	0.812	R 83 (23-0)			8.368	P 13 (22-0)		9.506	R 9 (22-0)			18065.086	8.086	P138 (28-1)								
788	18076.789	6.833	R 92 (26-1)			18070.866	0.868	R115 (24-0)			8.350	P 56 (25-1)		9.506	R 9 (22-0)			18065.086	8.086	P138 (28-1)								
789	18076.603	6.605	P135 (28-1)		813	18070.599	0.598	P 91 (26-1)			8.350	P 56 (25-1)		9.506	R 9 (22-0)			18064.559	8.048	P 104 (23-0)								
790	18076.477	6.521	P115 (27-1)		814	18070.230	0.228	P 51 (25-1)			8.076	P 92 (26-1)		9.506	R 9 (22-0)			18064.430	8.045	P170 (27-0)								
6.475	R 50 (25-1)									829	18068.083	8.088	P 10 (22-0)			9.506	R 9 (22-0)			18064.290	8.076	P170 (27-0)						
18076.347											8.085	P 14 (22-0)		9.506	R 9 (22-0)			18064.290	8.076	P170 (27-0)								
18076.282	6.284	P152 (26-0)									8.076	P 92 (26-1)		9.506	R 9 (22-0)			18064.290	8.076	P170 (27-0)								



LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT		
872	18060.048	0.048	R 88	(23-0)	887	18056.586	6.600	P121	(27-1)	902	18052.694	2.691	P 66	(25-1)	921	18048.551	8.566	P 39	(22-0)		
873	18059.997	9.992	P120	(27-1)			6.585	P 60	(25-1)	903	18052.495	2.507	P 35	(22-0)			8.542	R 43	(22-0)		
874	18059.907	9.914	P 26	(22-0)			6.581	R142	(25-0)			2.489	R 39	(22-0)	922	18048.300	8.298	R103	(26-1)		
		9.903	R 30	(22-0)	888	18056.413	6.412	R100	(26-1)			2.456	R121	(24-0)	923	18048.082	8.080	P 65	(25-1)		
875	18059.802	9.801	P 58	(25-1)	889	18056.040	6.103	R160	(26-0)	904	18052.373	2.371	P 98	(26-1)	924	18047.496	7.518	P 40	(22-0)		
876	18059.755	9.754	P115	(24-0)			6.049	P 31	(22-0)			18052.085			7.493	R 44	(22-0)				
875	18059.568						6.035	R 54	(25-1)			18051.926			7.476	R 69	(25-1)				
18059.488	9.489	P171	(27-0)			6.034	R 35	(22-0)	905	18051.674	1.672	R161	(26-0)			7.467	R127	(27-1)			
877	18059.274	9.273	R 62	(25-1)	890	18055.974	5.973	P 86	(23-0)	906	18051.551	1.561	P 63	(25-1)	925	18047.214	7.214	P119	(24-0)		
878	18059.183	9.191	P 27	(22-0)		18055.831					1.560	P 36	(22-0)			7.212	R162	(26-0)			
		9.179	R 31	(22-0)	891	18055.563	5.593	R120	(24-0)	907	18051.397	1.397	P 88	(23-0)	926	18047.003	7.002	P141	(25-0)		
879	18059.063	9.062	R 99	(26-1)			5.560	R 90	(23-0)	908	18050.973	1.031	R102	(26-1)	927	18046.917	6.915	P100	(26-1)		
18058.986	8.987	P156	(26-0)	892	18055.193	5.201	P 32	(22-0)			0.980	R 67	(25-1)	928	18046.717	6.716	P 90	(23-0)			
18058.910						5.185	R 36	(22-0)			18046.584			929	18046.429	6.445	P 41	(22-0)			
18058.827				893	18055.060	5.057	P 97	(26-1)			0.943	R126	(27-1)	930	18046.274	6.419	R 45	(22-0)			
880	18058.702	8.702	R119	(24-0)	894	18054.939	4.937	P 61	(25-1)	909	18050.856	0.856	P140	(25-0)			6.270	R 94	(23-0)		
881	18058.435	8.477	P138	(25-0)	895	18054.681	4.681	P139	(25-0)	910	18050.574	0.587	P 37	(22-0)	931	18046.100	6.100	R123	(24-0)		
		8.443	P 28	(22-0)		18054.588	4.589	P157	(26-0)			0.566	R 41	(22-0)	932	18045.689	5.703	P159	(26-0)		
882	18058.217	8.222	P 85	(23-0)			4.542	P172	(27-0)	911	18050.390	0.390	P118	(24-0)			6.252	P124	(27-1)		
		8.206	P 59	(25-1)	18054.375	4.390	R125	(27-1)			0.161	P158	(26-0)	933	18046.120	6.129	R146	(25-0)			
18058.104					4.376	R 65	(25-1)	18050.159			18050.024			934	18045.332	5.349	R14	(28-1)			
18057.995				896	18054.318	4.328	P 33	(22-0)	912	18049.836	9.834	P 64	(25-1)			5.347	P 42	(22-0)			
883	18057.816	7.817	R 89	(23-0)		4.311	R 37	(22-0)	913	18049.732	9.730	P123	(27-1)	935	18045.105	9.567	R 42	(22-0)			
		7.808	R124	(27-1)	897	18053.700	3.735	R101	(26-1)	914	18049.659	9.657	P 99	(26-1)			9.565	P173	(27-0)		
884	18057.663	7.716	P 96	(26-1)		3.698	P 87	(23-0)	915	18049.576	9.589	P 38	(22-0)	936	18044.796	9.467	R145	(25-0)			
		7.670	P 29	(22-0)	898	18053.539	3.556	R144	(28-1)			18049.462	9.467	R145	(28-1)			9.556	P173	(27-0)	
		7.667	R 63	(25-1)		3.538	P117	(24-0)			9.292	R122	(24-0)	937	18044.338	4.337	P 91	(23-0)			
		7.656	R 33	(22-0)	899	18053.420	3.430	P 34	(22-0)	916	18049.291	9.241	R 68	(25-1)	938	18044.205	4.224	P 43	(22-0)		
		7.613	R143	(28-1)		3.413	R 38	(22-0)			9.065	P 89	(23-0)			4.195	R 47	(22-0)			
18057.249				900	18053.272	3.277	R 91	(23-0)	917	18049.245	9.241	18049.070		952	18040.425	0.428	R129	(27-1)			
18057.040					3.262	P 62	(25-1)			9.069	P 89	(23-0)			0.394	P144	(28-1)				
885	18056.864	6.872	P 30	(22-0)	18053.179	3.180	P122	(27-1)	919	18048.917	8.912	R144	(25-0)			9.53	18040.292				
		6.858	R 34	(22-0)	901	18052.758	2.761	R143	(25-0)	920	18048.633	8.652	P142	(28-1)			9.53	18040.155	0.151	R 73	(25-1)
		6.789	P140	(28-1)		2.736	P141	(28-1)			8.632	R 93	(23-0)			9.54	18039.935	9.934	R106	(26-1)	
886	18056.660	6.660	P116	(24-0)											9.55	18039.637	9.635	R125	(24-0)		
															9.56	18039.462	9.515	P175	(27-0)		
															9.57	18040.794	0.799	P 69	(25-1)		
															9.58	18040.794	0.781	P121	(24-0)		
															9.59	18040.571	0.671	R 50	(22-0)		
															9.60	18040.571	0.671	R129	(27-1)		
															9.61	18040.425	0.428	P144	(28-1)		



LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	
952	18040.425	0.428	R 129	(27-1)	968	18035.661	5.670	P 104	(26-1)	986	18030.554	5.660	P 50	(22-0)	986	18030.397	0.394	R 78	(25-1)	1007	18025.814	5.812	R 61	(22-0)	
	0.394	P 144	(28-1)			969	18035.625	5.620	R 54	(22-0)	987	18030.216	0.215	P 54	(22-0)	987	18030.216	0.215	P 54	(22-0)	1008	18025.719	5.732	P 1	(24-1)
	18040.292	0.151	R 73	(25-1)	970	18035.273	5.271	P 144	(25-0)	988	18030.168	0.166	R 50	(22-0)	988	18029.886	9.884	P 106	(26-1)	1008	18025.611	5.632	P 2	(24-1)	
953	18040.155	0.151	R 73	(25-1)		18035.185				989	18029.734	9.731	R 120	(24-0)	990	18029.734	9.731	R 132	(27-1)	1009	18025.482	5.507	P 3	(24-1)	
954	18039.935	9.934	R 106	(26-1)	971	18035.062	5.060	P 72	(25-1)	991	18029.514	9.513	R 97	(23-0)	991	18029.514	9.513	R 77	(27-0)	1010	18025.442	5.436	R 111	(26-1)	
955	18039.637	9.635	R 125	(24-0)	972	18034.560	4.559	P 95	(23-0)	992	18029.347	9.344	P 177	(27-0)	992	18029.240	9.238	R 149	(25-0)	1010	18025.329	5.355	P 4	(24-1)	
956	18039.462	9.515	P 175	(27-0)		973	18034.299	4.337	P 51	(22-0)	993	18029.080	9.081	P 75	(25-1)	993	18029.080	9.081	R 125	(26-0)	1011	18025.147	5.217	R 150	(25-0)
	9.500	P 93	(23-0)			974	18034.239	4.240	P 123	(24-0)	994	18029.006	9.005	R 101	(23-0)	994	18029.006	9.005	R 166	(26-0)	1011	18025.147	5.179	P 5	(24-1)
	9.481	P 47	(22-0)			975	18034.070	4.069	R 99	(23-0)	995	18028.915	8.790	P 55	(22-0)	995	18028.794	8.790	R 55	(22-0)	1012	18024.964	4.976	P 6	(24-1)
957	18039.212	9.210	P 143	(25-0)		976	18033.650	3.650	R 165	(26-0)	996	18028.742	8.740	R 59	(22-0)	996	18028.573	8.569	R 129	(28-1)	1012	18024.752	4.774	P 130	(27-1)
958	18039.030	9.028	R 97	(23-0)	977	18033.231	3.272	R 131	(27-1)	997	18028.368	8.426	P 129	(27-1)	997	18028.368	8.426	P 129	(27-1)	1013	18024.703	4.700	R 11	(24-1)	
959	18038.916	8.913	P 70	(25-1)		978	18033.080	3.094	P 73	(25-1)	998	18027.866	7.866	R 79	(25-1)	998	18027.774	7.780	P 147	(28-1)	1014	18024.591	4.494	P 8	(24-1)
960	18038.812	8.823	R 74	(25-1)		979	18032.989	2.988	P 52	(22-0)	1000	18027.774	7.780	P 147	(28-1)	998	18027.588	7.589	P 125	(24-0)	1015	18024.366	4.367	P 58	(22-0)
961	18038.236	8.253	P 48	(22-0)		980	18032.795	2.810	R 149	(28-1)	1001	18027.037	7.035	P 76	(25-1)	1001	18027.037	7.035	R 61	(23-0)	1015	18024.162	4.157	R 13	(24-1)
962	18038.203	8.201	R 164	(26-0)		981	18031.758	1.614	P 53	(22-0)	1002	18026.952	6.951	P 98	(23-0)	999	18027.343	7.341	P 56	(22-0)	1016	18024.131	4.310	R 62	(22-0)
	8.196	R 52	(22-0)			982	18031.615	1.614	P 53	(22-0)	1003	18026.434	6.433	R 102	(23-0)	1000	18027.290	7.308	P 146	(25-0)	1017	18024.221	4.222	P 126	(24-0)
	18037.655	7.524	P 103	(26-1)		983	18031.566	1.568	R 57	(22-0)	1004	18026.310	6.304	R 80	(25-1)	999	18027.343	7.341	P 56	(22-0)	1018	18024.162	4.157	R 13	(24-1)
963	18037.527	7.524	P 122	(24-0)		984	18031.514	2.151	P 162	(26-0)	1005	18026.290	6.290	R 80	(25-1)	1005	18026.003	6.000	R 133	(27-1)	1019	18023.987	3.985	P 108	(26-1)
964	18037.197	7.194	R 147	(25-0)		985	18032.050	2.049	P 128	(27-1)	1006	18025.869	5.879	R 1	(24-1)	1006	18025.869	5.879	R 14	(24-1)	1020	18023.839	3.846	R 14	(24-1)
965	18036.927	7.090	R 107	(26-1)		986	18031.315	1.319	R 109	(26-1)	1007	18025.442	5.867	R 2	(24-1)	1007	18025.442	5.867	R 57	(22-0)	1021	18023.839	3.835	R 103	(23-0)
	7.042	P 96	(23-0)			987	18031.104	1.101	P 74	(25-1)	1008	18025.282	5.856	R 0	(24-1)	1008	18025.282	5.856	R 3	(24-1)	1022	18023.581	3.579	P 11	(24-1)
	7.020	R 148	(28-1)			988	18031.023	0.928	P 124	(24-0)	1009	18025.104	5.867	R 2	(24-1)	1009	18025.104	5.867	R 17	(24-1)	1023	18023.513	3.514	P 148	(28-1)
	7.000	P 71	(25-1)			989	18030.928	0.928	P 124	(24-0)	1010	18025.025	5.856	R 0	(24-1)	1010	18025.025	5.856	R 147	(24-1)	1024	18023.282	3.284	P 147	(25-0)
	6.959	P 49	(22-0)			990	18030.823	0.823	P 124	(24-0)	1011	18024.972	4.972	R 2	(24-1)	1011	18024.972	4.972	R 147	(24-1)	1025	18023.225	3.222	P 12	(24-1)
	6.920	R 53	(22-0)			991	18030.723	0.723	P 124	(24-0)	1012	18023.150	3.149	R 16	(24-1)	1012	18023.150	3.149	R 147	(24-1)	1026	18022.991	2.991	P 130	(24-0)
	6.865	R 130	(27-1)			992	18030.625	0.625	P 124	(24-0)	1013	18022.847	2.843	R 164	(26-0)	1013	18022.847	2.843	R 147	(24-1)	1027	18022.847	2.843	P 59	(22-0)
	6.699	P 161	(26-0)			993	18030.524	0.524	P 124	(24-0)	1014	18022.441	2.453	R 117	(24-1)	1014	18022.441	2.453	R 147	(24-1)	1028	18022.441	2.446	P 13	(24-1)
966	18036.563	6.562	R 98	(23-0)		994	18030.424	0.424	P 124	(24-0)	1015	18022.225	2.222	R 17	(24-1)	1015	18022.225	2.222	R 147	(24-1)	1029	18022.780	2.782	R 63	(22-0)
18036.480						995	18030.323	0.323	P 124	(24-0)	1016	18022.111	2.108	R 82	(25-1)	1016	18022.111	2.108	R 147	(24-1)	1030	18022.441	2.446	P 14	(24-1)
967	18036.335	6.361	R 126	(24-0)		996	18030.223	0.223	P 124	(24-0)	1017	18022.003	1.999	R 15	(24-1)	1017	18022.003	1.999	R 147	(24-1)	1031	18022.349	2.349	P 18	(24-1)
18036.220	6.328	R 75	(25-1)			997	18030.123	0.123	P 124	(24-0)	1018	18021.911	1.911	R 19	(24-1)	1018	18021.911	1.911	R 147	(24-1)	1032	18022.111	2.108	P 82	(25-1)
18036.126						998	18030.023	0.023	P 124	(24-0)	1019	18021.911	1.911	R 19	(24-1)	1019	18021.911	1.911	R 147	(24-1)	1033	18022.111	2.108	P 82	(25-1)



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LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT	LINE	OBS	CM-1	CALC	ASSIGNMENT				
1046	18019.979	9.010	P 19	(24-1)	1067	18016.493	6.491	P 63	(22-0)	1089	18013.085	3.088	R 69	(22-0)	1109	18008.700	8.750	P113	(26-1)				
	9.969	83	(25-1)		1068	18016.422	6.440	P102	(23-0)		3.074	R 33	(24-1)		1109	18008.700	8.697	R 38	(24-1)				
1047	18019.902	9.900	R 23	(24-1)		6.420	R 67	(22-0)		1090	18012.980	2.980	R153	(25-0)	1110	18008.281	8.281	P105	(23-0)				
1048	18019.822	9.817	R168	(26-0)		6.404	P 81	(25-1)		1090	18012.479	2.675	R133	(24-0)	1111	18007.986	7.986	P 68	(22-0)				
1049	18019.719	9.717	P 61	(22-0)	1069	18016.258	6.255	P 25	(24-1)	1091	18012.423	2.420	P 30	(24-1)	1111	18007.986	7.943	P 35	(24-1)				
1050	18019.653	9.652	R 65	(22-0)	1070	18016.119	6.141	R132	(24-0)	1092	18012.253	2.250	R 34	(24-1)	1112	18007.903	7.899	R 72	(22-0)				
1051	18019.583	9.580	R151	(24-0)		6.113	R 29	(24-1)		1093	18011.969	1.965	P 83	(25-1)	1113	18007.746	7.744	R 39	(24-1)				
1052	18019.448	9.448	P 10	(24-1)	1071	18015.883	5.883	R106	(23-0)	1094	18011.456	1.453	P112	(26-1)	1114	18007.697	7.693	R109	(23-0)				
1053	18019.336	9.335	R 11	(24-1)	1072	18015.615	5.611	R 85	(25-1)	1095	18011.579	1.576	P 51	(24-1)	1115	18007.420	7.451	P 85	(25-1)				
1054	18019.229	9.221	P148	(25-0)	1073	18015.542	5.539	P 26	(24-1)	1096	18011.465	1.463	P 66	(22-0)	1116	18007.119	7.116	R111	(24-1)				
1055	18019.109	9.107	P101	(23-0)	1074	18015.394	5.392	R 30	(24-1)	1097	18011.390	1.401	P 35	(24-1)	1117	18006.976	6.976	P 31	(24-1)				
1056	18018.864	8.861	P 21	(24-1)	1075	18015.151	5.149	P149	(25-0)		1.384	R 70	(22-0)		1118	18006.976	6.970	P 36	(24-1)				
1057	18018.743	8.740	P 25	(24-1)		5.145	R169	(26-0)		1098	18011.149	1.146	R 87	(25-1)	1119	18006.976	6.970	P151	(25-0)				
1058	18018.610	8.610	R135	(27-1)	1076	18014.930	4.928	P111	(26-1)	1100	18011.029	1.039	P150	(25-0)	1120	18006.209	6.207	R 40	(24-1)				
1059	18018.568	8.560	R105	(23-0)	1077	18014.842	4.892	P150	(25-1)	1099	18011.029	1.039	P150	(25-0)	1121	18006.120	6.147	P152	(28-1)				
1060	18018.448	8.448	P 80	(25-1)		4.871	R136	(27-1)		1100	18010.711	0.706	P 32	(24-1)		6.119	R 73	(22-0)	1141	18001.896	1.894	R 91	(25-1)
1061	18018.330	8.330	P165	(26-0)	1078	18014.772	4.779	P 27	(24-1)	1101	18010.528	0.525	P151	(28-1)		6.077	P135	(27-1)	1142	18001.724	1.729	P153	(28-1)
1062	18018.224	8.248	P 22	(24-1)	1079	18014.648	4.645	R 31	(24-1)	1102	18010.455	0.482	P130	(24-0)	1122	18005.975	5.972	P 37	(24-1)				
1063	18018.121	8.122	R 62	(24-1)	1080	18014.201	4.198	P 82	(25-1)		0.450	R108	(23-0)		1123	18005.764	5.761	R 41	(24-1)				
1064	18017.407	7.407	P128	(24-0)	1081	18014.034	4.031	P 28	(24-1)		0.443	R170	(26-0)		5.710	R171	(26-0)	1143	18001.489	1.485	R 45	(24-1)	
1065	18017.089	7.088	R152	(25-0)	1082	18013.960	3.959	P129	(24-0)	1103	18010.243	0.240	R116	(26-1)	1124	18005.657	5.659	R135	(24-0)				
1066	18016.948	6.945	P 24	(24-1)	1083	18013.875	3.873	R 32	(24-1)	1104	18009.814	0.875	P134	(27-1)		5.620	P114	(26-1)	1144	18000.726	0.724	P 72	(22-0)
	6.809	R 84	(25-1)	1084	18013.747	3.746	P103	(23-0)		9.811	P 33	(24-1)		1125	18005.509	5.508	P106	(23-0)					
	7.478	R 27	(24-1)		18013.650	3.663	P166	(26-0)	1105	18009.736	0.736	P 67	(22-0)	1126	18005.108	5.105	P 86	(25-1)					
	7.383	P132	(27-1)		3.663	P133	(27-1)		1106	18009.648	0.654	R 71	(22-0)	1127	18004.916	4.947	P 38	(24-1)					
	7.088	R152	(25-0)	1085	18013.396	3.392	R 86	(25-1)	1107	18009.184	0.184	R 37	(24-1)	1128	18004.732	4.731	R 42	(24-1)					
	6.945	P 24	(24-1)	1086	18013.344	3.335	R115	(26-1)		9.624	R 37	(24-1)		1128	18004.681	4.678	R155	(25-0)					
	6.809	R 28	(24-1)	1087	18013.239	3.238	P 29	(24-1)	1087	18009.184	0.181	R134	(24-0)	1129	18004.407	4.405	P 70	(22-0)					
	6.180	R107	(23-0)	1088	18013.171	3.164	P 65	(22-0)	1108	18008.885	0.866	P167	(26-0)	1130	18004.313	4.313	R 74	(22-0)					
	6.180	P 65	(22-0)								8.844	R154	(25-0)		1147	17999.888	9.889	P133	(24-0)				
											8.874	R 83	(25-1)			9.884	P108	(23-0)					

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

v' - v''	P Branch				R Branch				$v_0 \times 10^{-5}$ (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 $^{-1}$)
	J_{\min}	J_{\max}	No. Lines Fit		J_{\min}	J_{\max}	No. Lines Fit									
45-0	11	167	73	13	163	77	0.0024	0.195163613	0.18018728	0.37299442	0.277981	0.33354	-1.34323	-3.1957	-1.8958	
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	0.222560	-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	0.201116427	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	0.224938	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	3.1710		
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, $\Delta_2 F''(J)$, 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	20.867	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	11.996	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	20.867	20.869	20.867	20.866
150	22.335	22.335	22.338	22.337	22.336	22.336	22.335	22.337	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	25.266	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 $\Delta_2 F'(J)$ 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.

The authors are indebted to H. Stasko and M. Sciré for their assistance with the data handling and preparation of this atlas and to H. Stasko for valuable assistance with the photography of the spectrum. We also wish to thank Dr. J. Reader for the use of his spectrograph.

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(Paper 81A1-922)