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SCIENTIFIC REPORT

ABSORPTION BY CO_2 BETWEEN 5400 AND 6600 cm^{-1}

(1.6 Micron Region)

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ABSTRACT

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The absorption by 28 different samples of CO_2 and $CO_2 + N_2$ in the 5400-6600 cm^{-1} (1.6 μ) region has been studied by the use of a spectrometer having a spectral resolution between approximately 0.5 and 1.3 cm^{-1}. Samples were contained in two different absorption cells; one having a maximum path of 933 meters and used at a maximum pressure of 2.5 atm. The other was used at paths as long as 32.9 meters and at pressures as high as 14.6 atm. Photographs of the spectra of all the samples as well as a table of transmittance versus wavenumber are included. Also presented is a table of integrated absorptance $\int_{\nu'}^{\nu} A(\nu)d\nu$ versus ν, where approximately 380 values are tabulated for the largest samples.

Author

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The authors would like to acknowledge the assistance of Mr. Francis Gates who performed much of the work in getting the instruments assembled and in reducing the data. Dr. William S. Benedict of Johns Hopkins University made many worthwhile suggestions and is responsible for the identification of new absorption bands. Several helpful discussions with Drs. Louise Gray and Lewis Kaplan of Jet Propulsion Laboratory are also greatly appreciated.

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SECTION 1

INTRODUCTION AND SUMMARY

Most of the absorption by CO_2 in the 5400-6600 cm^{-1} region is due to four summation bands (06^01, 14^01, 22^01, and 30^01) and their associated difference bands. Besides these bands, there are a few others which are extremely weak and are not observable except for very large samples. But, although they are very weak, they may produce most of the absorption over a few small intervals.

At present there is particular interest in these CO_2 bands because a detailed knowledge of them is important in the investigation of the atmospheres of Mars and Venus. This wavenumber region is useful since it is relatively free of absorption by other gases which occur in the earth's atmosphere; therefore, spectra of the planets can be obtained from ground level. Furthermore, the CO_2 bands are sufficiently weak that the absorption of the radiation as it passes through the earth's atmosphere is small and can be accounted for.

Howard, Burch and Williams[1] have made some quantitative measurements on the absorption in this region, but the use of their data is limited by the relatively low spectral resolution. Courtoy[2] has measured the positions of several hundred absorption lines with very good accuracy and has identified many bands which had not been observed previously; but only limited information about the amount of absorption by a given sample can be obtained from these results. Kuiper[3] has also investigated the absorption by large samples; but his measurements were made with only moderate resolution and with samples at pressures of several atmospheres.

Because of the limitations of the previous work, there was still need for data on samples covering wide ranges of pressure and absorber thickness and with resolution sufficiently good that at least some lines from most of the bands could be resolved. The present investigation was undertaken for the purpose of obtaining these data. A long absorption cell with possible paths as great as 933 meters enabled us to study samples having very large absorber thickness at pressures which are not so great as to smooth out the structure in the band. Because of the long paths, we were able to observe and identify five new CO_2 bands in this region which have not been reported previously.

A shorter cell was also used to investigate samples at higher pressures in order that band strengths could be measured easily. The strengths of the more important bands were determined and the results are tabulated in Section 3. The widths of many of the lines can also be determined from "curves of growth" of the average absorptance over relatively narrow intervals. Once the strengths and widths of the lines have been found, the absorptance at any wavenumber can be calculated for a great variety of samples, even though they may be non-uniform in temperature and pressure.

Spectra of 28 samples with pressures ranging from 0.02 to 14.6 atmospheres and with path lengths from 4 to 933 meters have been reproduced and digitized. The reproduced spectra are shown in Section 3, and a table of transmittance $T(\nu)$ versus wavenumber ν is presented in Section 4. Section 5 contains a table of $\int_{\nu'}^{\nu} A(\nu)d\nu$, the integrated absorptance, versus ν. ν' is on the low wavenumber side of the region considered for a given sample, and the tabulations are made for approximately 380 different values of ν for the largest samples.

SECTION 2

EXPERIMENTAL METHODS

2.1 GAS SAMPLING

Samples of CO_2 and $CO_2 + N_2$ were contained in two different absorption cells which have been described previously.[4] The longer cell has a base length of approximately 30 meters and was used at as many as 32 passes, giving a total path length of 933 meters. It is approximately 0.9 meters in diameter and can be evacuated to less than 1 micron of Hg or pressurized to as much as 2.5 atmospheres. The shorter cell has a base length of approximately 1 meter and was used at as many as 32 passes. It can be evacuated or pressurized to as much as 15 atmospheres.

The CO_2 was drawn from the vapor in a dewar which contained both liquid and vapor maintained at a temperature less than about $-20^{\circ}C$ by a relief valve which kept the pressure from exceeding 300 psig. We found that there was considerably less H_2O in samples drawn from the vapor over the liquid rather than from the liquid. The H_2O content was also much lower than in samples obtained from commercial cylinders at room temperature. The amount of H_2O in the N_2 was much less than that in the CO_2, and it was not necessary to take extreme care to reduce the amount of H_2O put into the sample with the N_2. It was drawn off as a liquid into a heat exchanger where it evaporated and entered the cell.

$CO_2 + N_2$ mixtures were mixed in the cell. CO_2 was introduced to the desired pressure; N_2 was then added and mixed by fans inside the absorption cells. No attempt was made to change the relative abundances of the different isotopes of C or O in the samples studied. It is probably safe to assume that the natural abundances of these isotopes were present (C^{12}, 98.9%; C^{13}, 1.1%; O^{16}, 99.76%; O^{17}, 0.04%; O^{18}, 0.20%). Some results discussed in a previous report[5] indicate that the abundance of C^{13} was, in fact, about 1.1%. No check was made on the isotopes of O.

Sample pressures less than approximately 0.06 atm were measured with a U-tube oil manometer, and those in the range $0.06 < P < 2$ atm with a U-tube Hg manometer. All pressures > 2 atm were measured with a bourbon-type gauge. For all except the lowest pressures used, the errors arising from the uncertainty in the pressure measurements are probably negligible.

Since CO_2 varies significantly from a perfect gas at some of the higher pressures used in this investigation, it was necessary to account for the Van der Waals' forces giving rise to the deviation from a perfect gas. In calculating the absorber thickness u, the following equation was used:

$$u = W\ p\ L\ \frac{273}{296}\ (\text{atm cm})_{STP}. \tag{2-1}$$

L is the geometrical path length in centimeters,
p is the partial pressure of CO_2 in atmospheres,
273/296 accounts for the difference in density between standard temperature and room temperature at which the measurements were made.
W is a correction term which accounts for the Van der Waals' forces in CO_2 and is given adequately for the pressures used in this investigation by

$$W = 1.00 + 0.0047\ p. \tag{2-2}$$

In order to relate the pressure of a sample to the half-width of the absorption lines, it is necessary to account for the different broadening abilities of CO_2 and N_2 when dealing with mixtures of these two gases. Burch, Gryvnak and Williams[6] have used an equivalent pressure P_e given by

$$P_e = 1.3\ p + (P - p), \tag{2-3}$$

where P is the total pressure. It is noted that the equivalent pressure approaches the total pressure for a very dilute mixture of CO_2 in N_2, which is a good approximation to the earth's atmosphere.

Since the simple classical theory predicts that the half-width of a line is proportional to the density of molecules, Equation (2-3) should probably be modified to account for the non-linearity between the density of CO_2 and its partial pressure. No correction is necessary for N_2 since it behaves much more like a perfect gas. The adjustment was made in the following way:

$$P_e = 1.3\ W\ p + (P-p). \tag{2-3'}$$

The self-broadening factor 1.3 is not valid in all portions of the spectrum. But in a detailed study of the shapes of collision-broadened lines which will be described in a separate report,[7] we found that it is satisfactory in regions where most of the absorption is due to lines whose centers are a few tenths of a cm^{-1} away. Therefore, it probably can be used throughout most of the region covered by this report. However, it should be considerably greater in a region such as that between 7100 cm^{-1} and the head of the $00^{0}3$ band at approximately 6990 cm^{-1} where the absorption is due to the wings of lines whose centers are several cm^{-1} away.[5] The difference in the self-broadening factor arises from the fact that the shape of the extreme wings of a self-broadened line is quite different from that of a nitrogen-broadened line.

2.2 RECORDING AND CALIBRATION OF SPECTRA

The spectra were obtained with an Ebert-type spectrometer whose main mirror has a 75 cm focal length. It utilized a small grating having a ruled area 64 x 64 mm with 600 lines/mm and blazed at 1.6 microns. The grating was used in the first order and a Si filter eliminated overlapping orders of shorter wavelength. A PbS cell cooled with liquid nitrogen was used as the detector. It was not necessary to cool the detector below dry ice temperature for operation in this wavelength region, but the dewar was designed to hold the liquid nitrogen for use at longer wavelengths. Cooling by liquid nitrogen was, therefore, more convenient and was used since the signal-to-noise ratio was approximately the same at both temperatures.

The spectrometer is "home made" and was contained in a tank which could be evacuated to essentially eliminate absorption due to atmospheric gases outside of the absorption cell. The spectrometer tank, as well as another tank containing the radiation source and chopper, were connected to the absorption cell by means of flexible bellows so that all of the optical path external to the absorption cell could be evacuated.

Three different resolution schedules were used in recording the spectra: the approximate spectral slitwidths for each schedule at three different wavenumbers are given in Table 2-1.

TABLE 2-1

RESOLUTION SCHEDULES

ν (cm^{-1})	Spectral Slitwidth (cm^{-1})		
	Schedule A	Schedule B	Schedule C
5900	0.49	0.78	1.07
6200	0.55	0.88	1.22
6500	0.61	0.97	1.35

Resolution Schedule A was used in a few regions of the spectrum to resolve closely spaced lines; but because of the small signal available while using this schedule, considerable time was required to scan even a short spectrum. Therefore, B, which represents a compromise between resolution and scanning time, was used for the majority of the data. Schedule C was used for some spectra of samples at several (32) passes of the absorption cell for which the signal was low. The schedule used for each spectrum is listed in Table 3-2.

CO_2 and CH_4 lines whose positions are well known, or could be calculated, were used for the wavenumber calibration of the spectra. The calibration lines are separated by an average of about 10 cm^{-1}, which is sufficiently close that the spectrum could be assumed to be linear between them. All the lines used for calibration between 5800 and 6600 cm^{-1} are listed in Table 3-3 , and their positions are shown on the spectra in Section 3. The calibration lines used between 5500 and 5700 cm^{-1} are shown in Fig. 3-1.

Background curves were obtained with the absorption cell evacuated for each number of passes for which sample spectra were obtained. The background curves were different for different numbers of passes since the reflectivity of the mirrors in the multiple-pass optics varies with wavenumber. The appropriate background curve, which represents 100 percent transmittance, was then fitted to each spectrum and traced on it. All the sample spectra extended beyond the region of absorption on both ends of the band so that dependable "tie-points" between a spectrum and its background could be established. The transmittance was determined from the ratio of the deflection of the sample spectrum to that of the background curve at the same wavenumber.

Each spectrum was examined and compared with others as a check for consistency. Small changes were made to account for H_2O absorption. The corrections could be made reasonably accurately by comparing the

spectra with those of H_2O + N_2 samples at the proper path lengths and pressures. The corrected spectra were then replotted and are shown in Section 3. As each spectrum was being replotted, pairs of values related to transmittance and wavenumber were punched on IBM cards which served as input for a computer program used to calculate transmittance and integrated absorptance as a function of wavenumber.

SECTION 3

DISCUSSION OF ABSORPTION BANDS

3.1 IDENTIFICATION AND FEATURES OF THE ABSORPTION BANDS

All of the CO_2 bands which one might expect to produce appreciable absorption in the region from 5400 to 6600 cm^{-1} are listed in Table 3-1. The positions of the band centers of most of the bands are taken from Courtoy,[2] while centers of the others were calculated from energy levels tabulated by Stull, Wyatt and Plass.[8] In the notation for the transitions the lower level is omitted when it is $00^{o}0$. There are probably other very weak bands in this region, particularly some from transitions from higher energy levels, which could be observed with better resolution and long paths. However, their contribution is certainly small at room temperature or below. The bands listed are limited to those observed by Courtoy[2] plus those we observed and were able to identify with reasonable certainty.

With the exception of five of the weaker bands listed, all those in this region arise from transitions in which there is a change of one in v_3, the quantum number associated with ν_3 ($\Delta v_3 = 1$). Since for CO_2, $\nu_1 \tilde{=} 2\nu_2$, all bands for which $2\Delta v_1 + \Delta v_2$ is constant occur close to each other if Δv_3 is the same. $2\Delta v_1 + \Delta v_2 = 6$ for all the bands listed in Table 3-1 having $\Delta v_3 = 1$. Since ν_1 is not exactly equal to $2\nu_2$, but slightly larger, the bands having the largest change in v_1 occur at slightly higher frequencies. $\nu_1 = 1388.2$ and $\nu_2 = 667.4$ for $C^{12}O_2^{16}$.

TABLE 3-1

CO_2 BANDS BETWEEN 5500 and 6600 cm^{-1}

Band Center cm^{-1}	Transition	Species
5584.28[a]	$00^03 \leftarrow 10^00$	12, 16, 16[b]
5687.05[a]	$00^03 \leftarrow 02^00$	12, 16, 16
5857.59[a]	02^02	12, 16, 18
5951.53	06^01	13, 16, 16
5959.57[a]	10^02	12, 16, 18
6020.75	$07^11 \leftarrow 01^10$	12, 16, 16
6075.93	06^01	12, 16, 16
6088.16	$15^11 \leftarrow 01^10$	13, 16, 16
6119.56	14^01	13, 16, 16
6196.12	$15^11 \leftarrow 01^10$	12, 16, 16
6227.88	14^01	12, 16, 16
6241.93	22^01	13, 16, 16
6243.54	$23^11 \leftarrow 01^10$	13, 16, 16
6308.15	$24^01 \leftarrow 02^00$	12, 16, 16
6347.81	22^01	12, 16, 16
6356.25	$23^11 \leftarrow 01^10$	12, 16, 16
6363.58	30^01	13, 16, 16
6397.51	$31^11 \leftarrow 01^10$	13, 16, 16
6503.05	30^01	12, 16, 16
6536.43	$31^11 \leftarrow 01^10$	12, 16, 16
6538.03[a]	03^12	12, 16, 16

[a] To the knowledge of the authors, these bands have not been observed previously; band centers were calculated from energy levels tabulated by Stull, Wyatt and Plass.[8] Centers for all other bands are taken from Courtoy.[2]

[b] Numbers represent isotopes of C, O, and O, respectively.

Because of anharmonicity, a combination or fundamental band usually occurs at a slightly higher wavenumber than its associated difference band which arises from a transition from an excited state with the changes in all three quantum numbers the same. However, the displacement of the bands varies from one band to another, depending on Fermi resonance. It can be seen that the $30^{o}1$ and $22^{o}1$ bands occur at lower wavenumbers than their associated difference bands arising from transitions from the $01^{1}0$ state. However, as more frequently occurs, the opposite is true for the $14^{o}1$ and $06^{o}1$ bands.

The $02^{o}2$ and $10^{o}2$ bands of $C^{12}O^{16}O^{18}$ are forbidden for $C^{12}O_{2}^{16}$; but they appear because of the asymmetry of the $C^{12}O^{16}O^{18}$ molecule. The $00^{o}3 \leftarrow 10^{o}0$ and the $00^{o}3 \leftarrow 02^{o}0$ bands occur near each other since the upper level is common and $2\Delta v_1 + \Delta v_2$ is the same for both bands. A replotted spectrum of these bands is shown in Figure 3-1; it was recorded for the largest sample studied.

A replotted spectrum of the region from approximately 5800 to 6600 cm^{-1} is shown in Figure 3-2 for the same sample. The positions of the centers of many of the bands are indicated. Spectra of the remainder of the samples are shown in Figures 3-3 through 3-6 and 3-7 through 3-10 for the spectral regions 5900 to 6275 cm^{-1} and 6275 to 6600 cm^{-1}, respectively. The numbers appearing in rectangles are the numbers assigned to the samples which are described in Table 3-2, the table of sample parameters.

The other numbers appearing in some of the spectra refer to the lines used in the wavenumber calibration. The positions of these lines are given in Table 3-3.

Portions of the spectra of some of the samples for which the absorption $A(\nu)$ was very small have been omitted. The spectra were "nested" in order to conserve space, and no attempt was made to put them in any particular order.

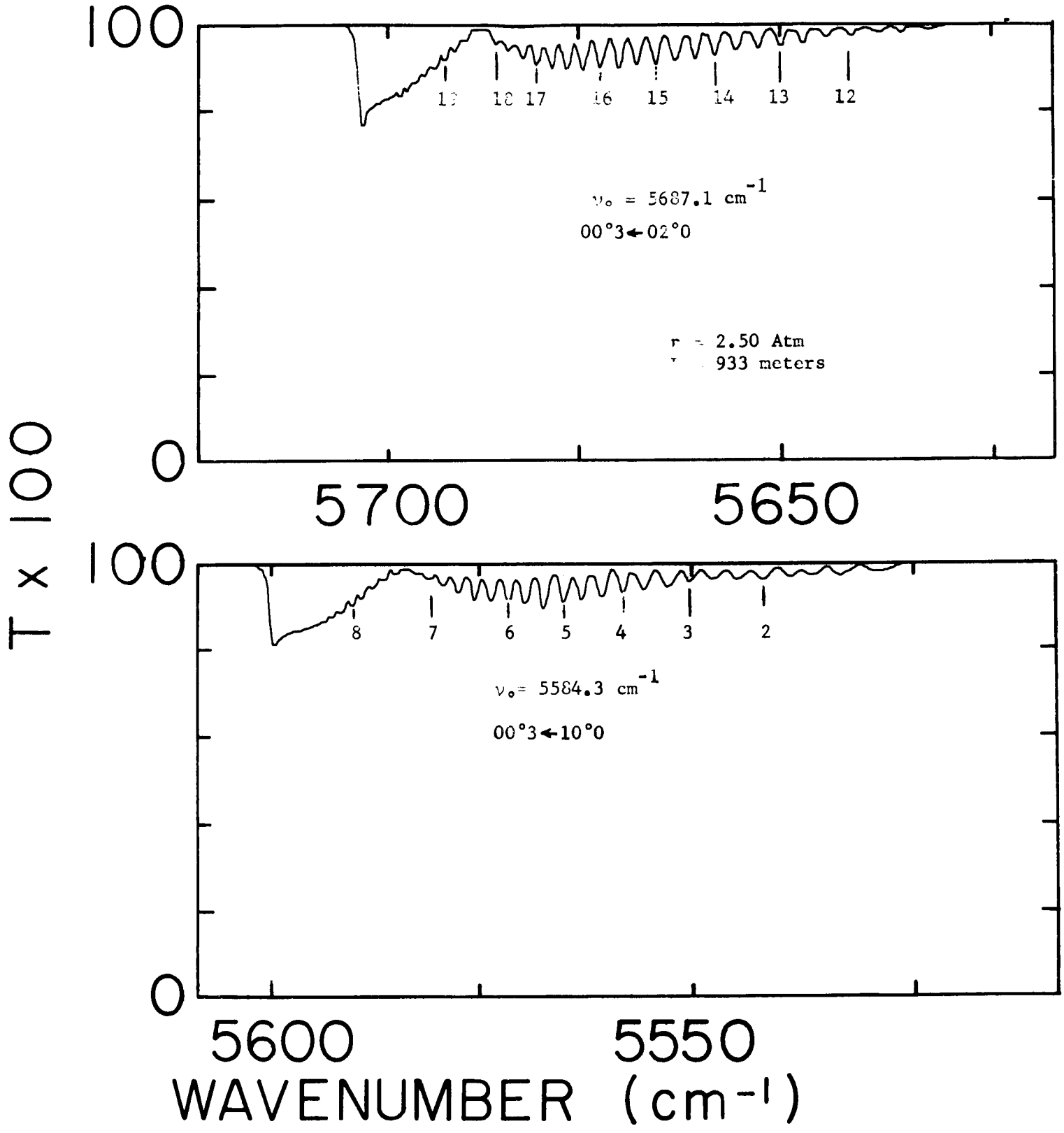

FIGURE 3-1 SPECTRUM OF THE 00°3←02°0 AND 00°3←10°0 BANDS FOR SAMPLE 1 IN THE REGION BETWEEN 5450 AND 5710 cm^{-1}.

The lines that are numbered were used in calibration and their wavenumber positions (cm^{-1}) are;

1 5507.8 (H_2O)	6 5571.7	11 5621.6 (H_2O)	16 5672.3
2 5541.8	7 5581.1	12 5641.1	17 5680.3
3 5550.2	8 5590.5	13 5649.8	18 5685.5
4 5558.1	9 5602.8 (H_2O)	14 5658.1	19 5692.0
5 5565.2	10 5614.0 (H_2O)	15 5665.5	

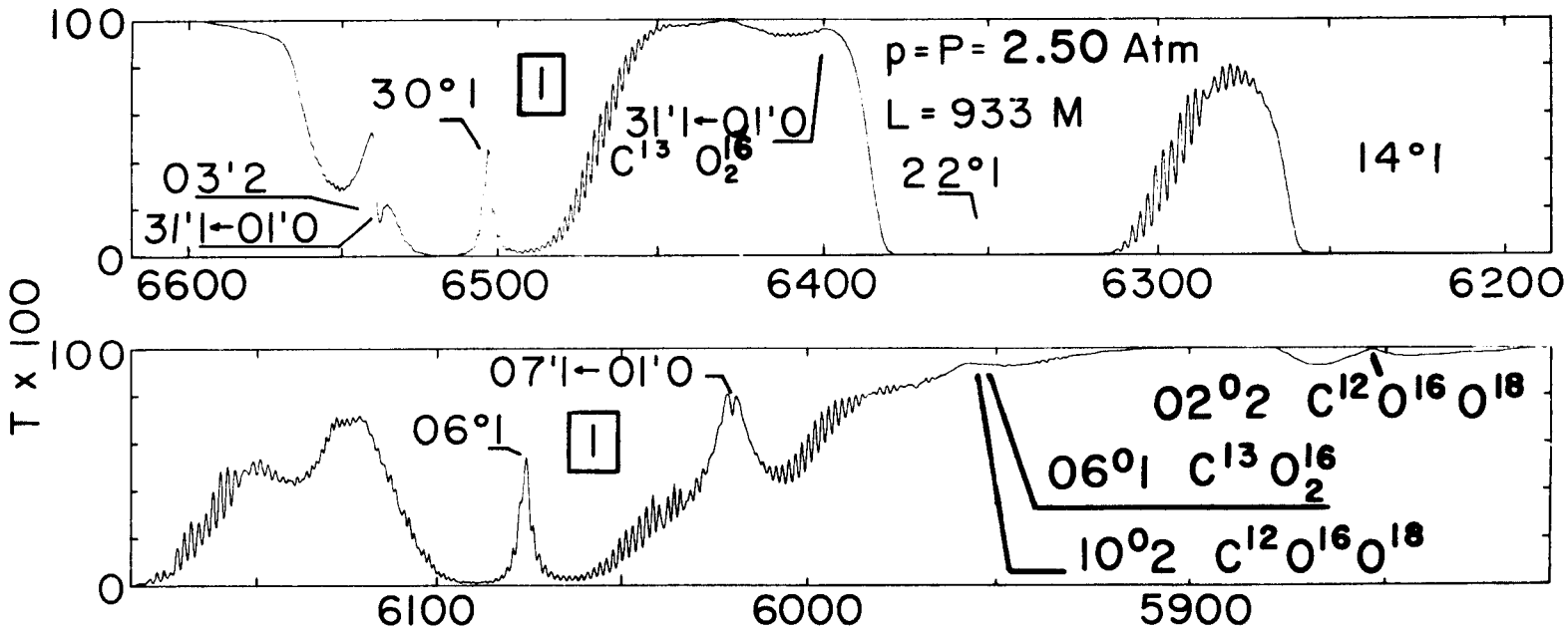

Fig. 3-2

FIGURE 3-2 SPECTRUM OF THE 5800 - 6600 cm^{-1} REGION

The centers of several of the bands are indicated. The species is $C^{12}O_2^{16}$ when it is not indicated.

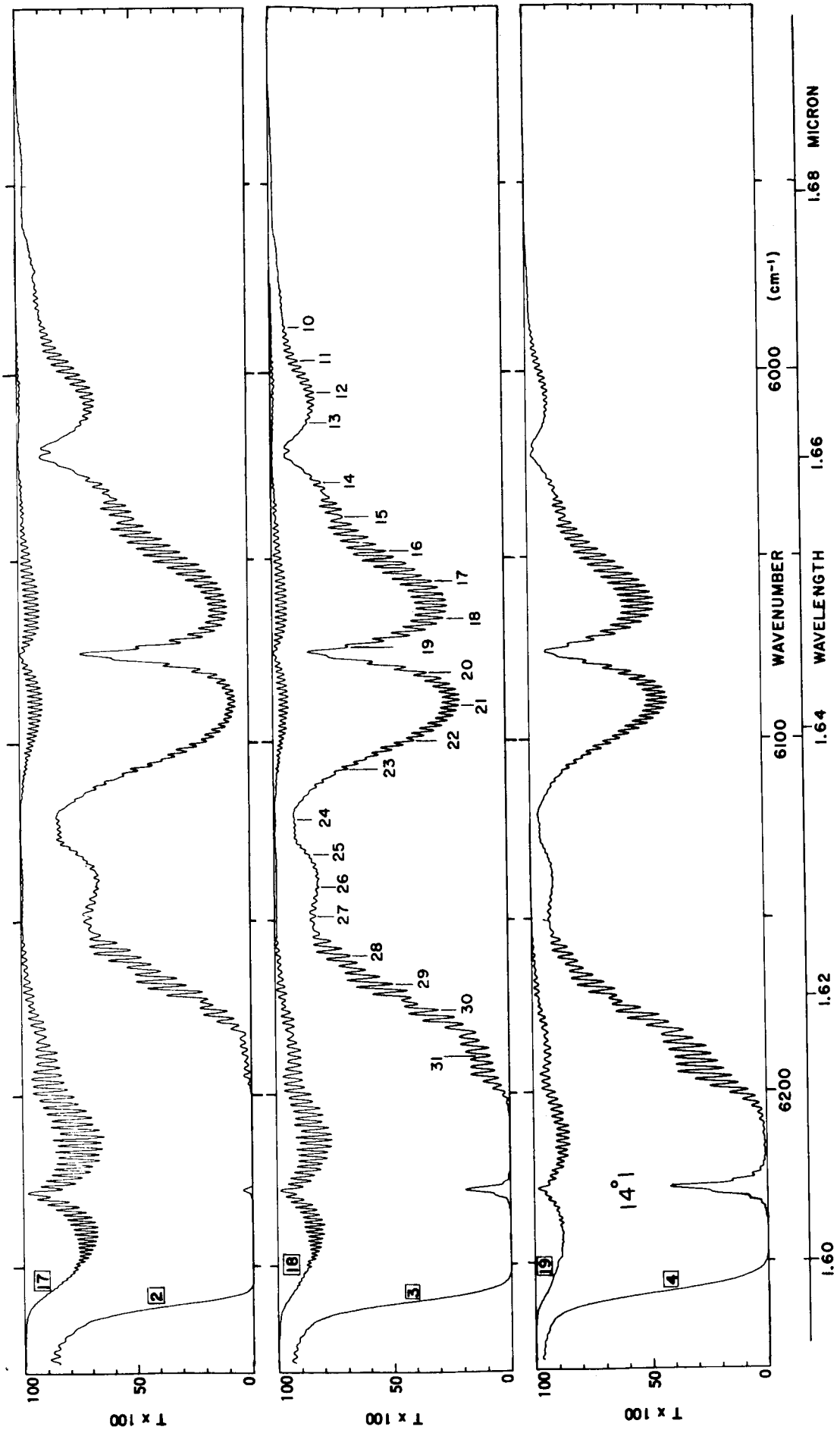
T x 100
100
50
0
17
2
18
3
19
4
14°1
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
6200
6100
6000
(cm⁻¹)
WAVENUMBER
1.60
1.62
1.64
1.66
1.68
MICRON
WAVELENGTH

Fig. 3-3

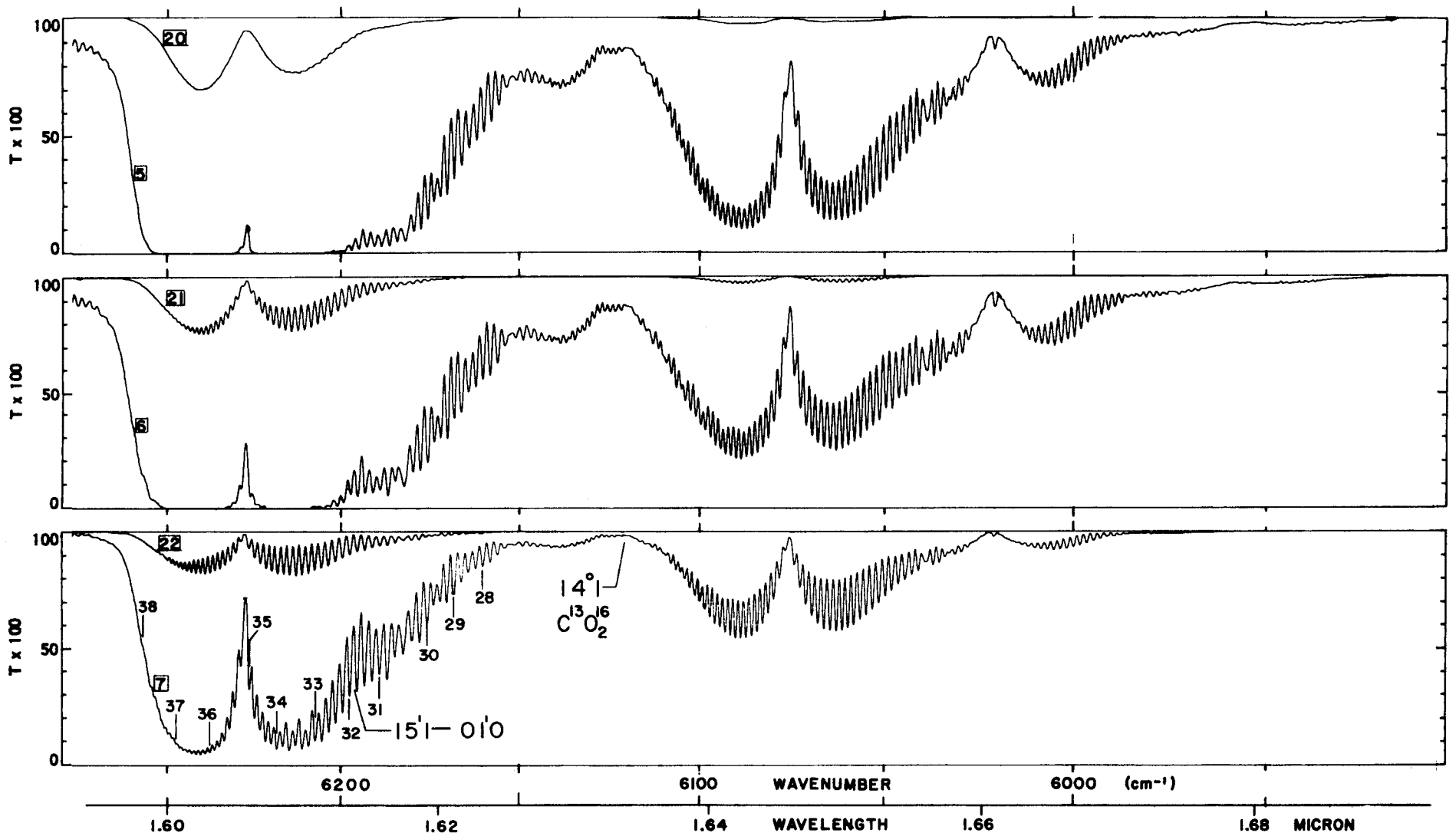
100
50
0
T x 100
20
5
21
6
22
7
38
37
36
35
34
33
32
31
30
29
28
14°1
C13O16 2
15'1 — 01'0
6200
6100
WAVENUMBER
6000
(cm-1)
1.60
1.62
1.64
WAVELENGTH
1.66
1.68
MICRON

Fig. 3-4

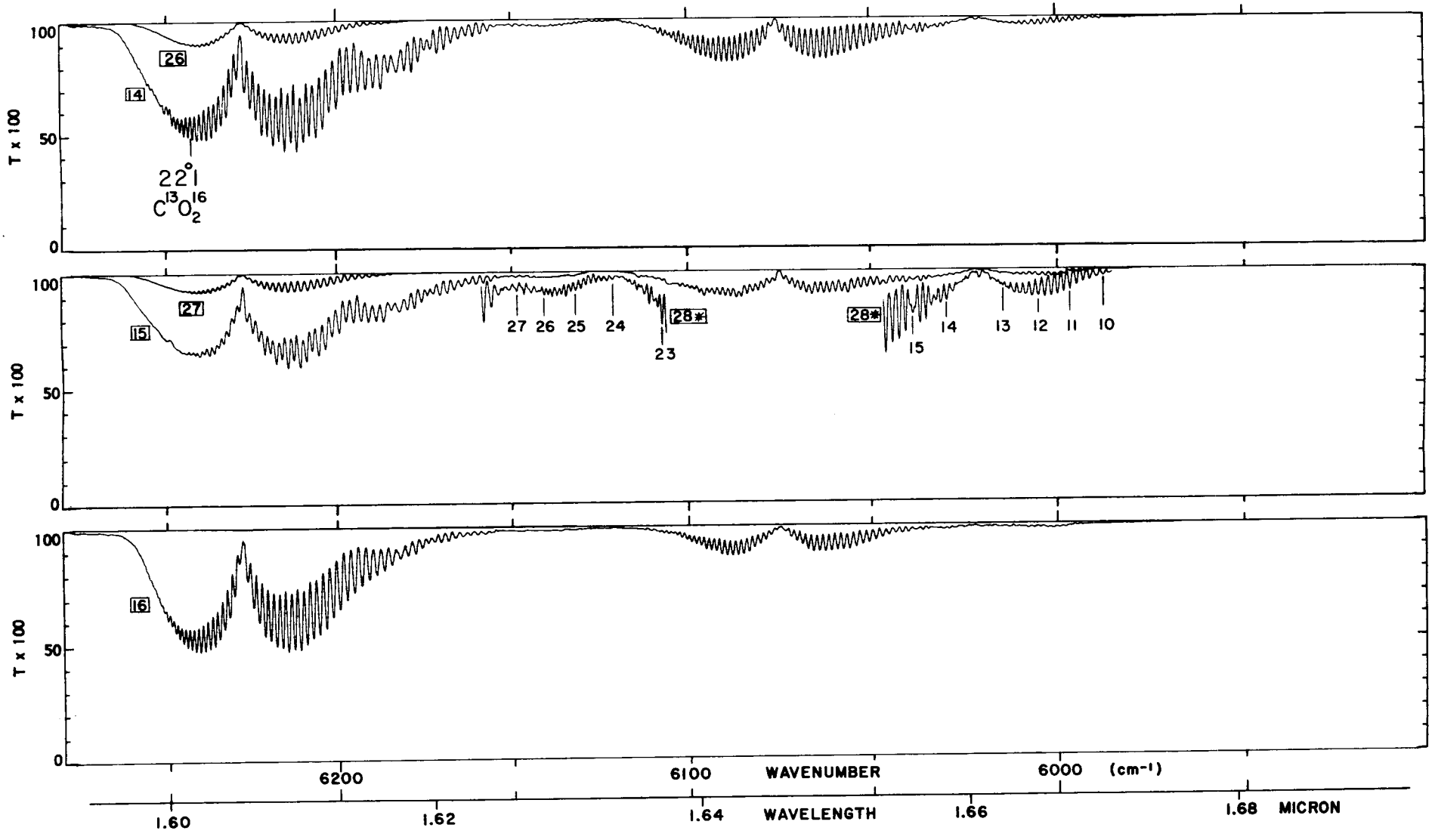
100
50
0
T x 100
26
14
22°
C13O2 16
27
15
27 26 25 24
28*
23
28*
15
14
13
12
11
10
16
6200
6100
WAVENUMBER
6000
(cm-1)
1.60
1.62
1.64
WAVELENGTH
1.66
1.68
MICRON

Fig. 3-5

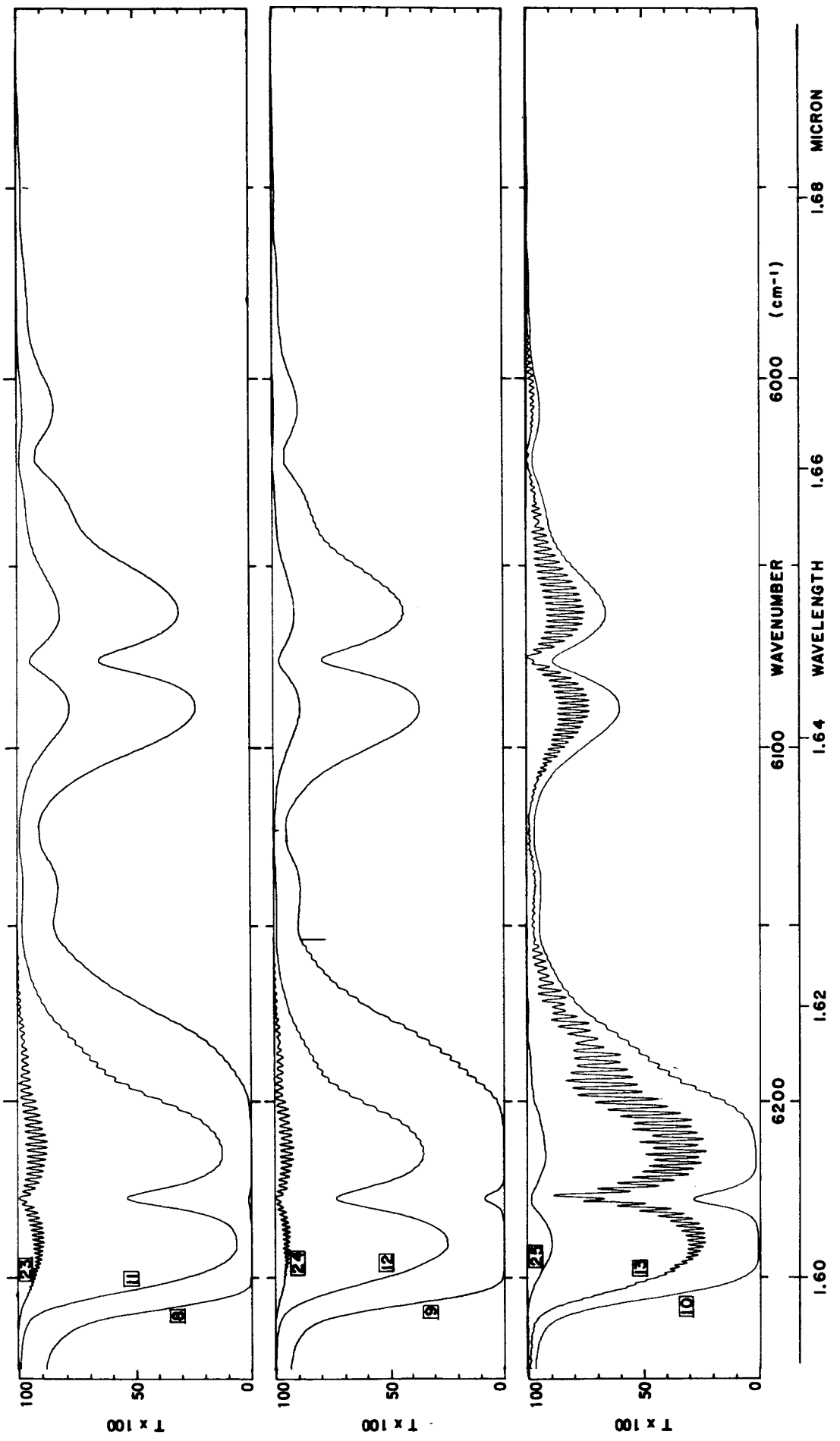
T x 100
100
50
0
23
11
6
24
12
9
23
13
10
6200
6100
6000 (cm-1)
WAVENUMBER
1.60
1.62
1.64
1.66
1.68 MICRON
WAVELENGTH

Fig. 3-6

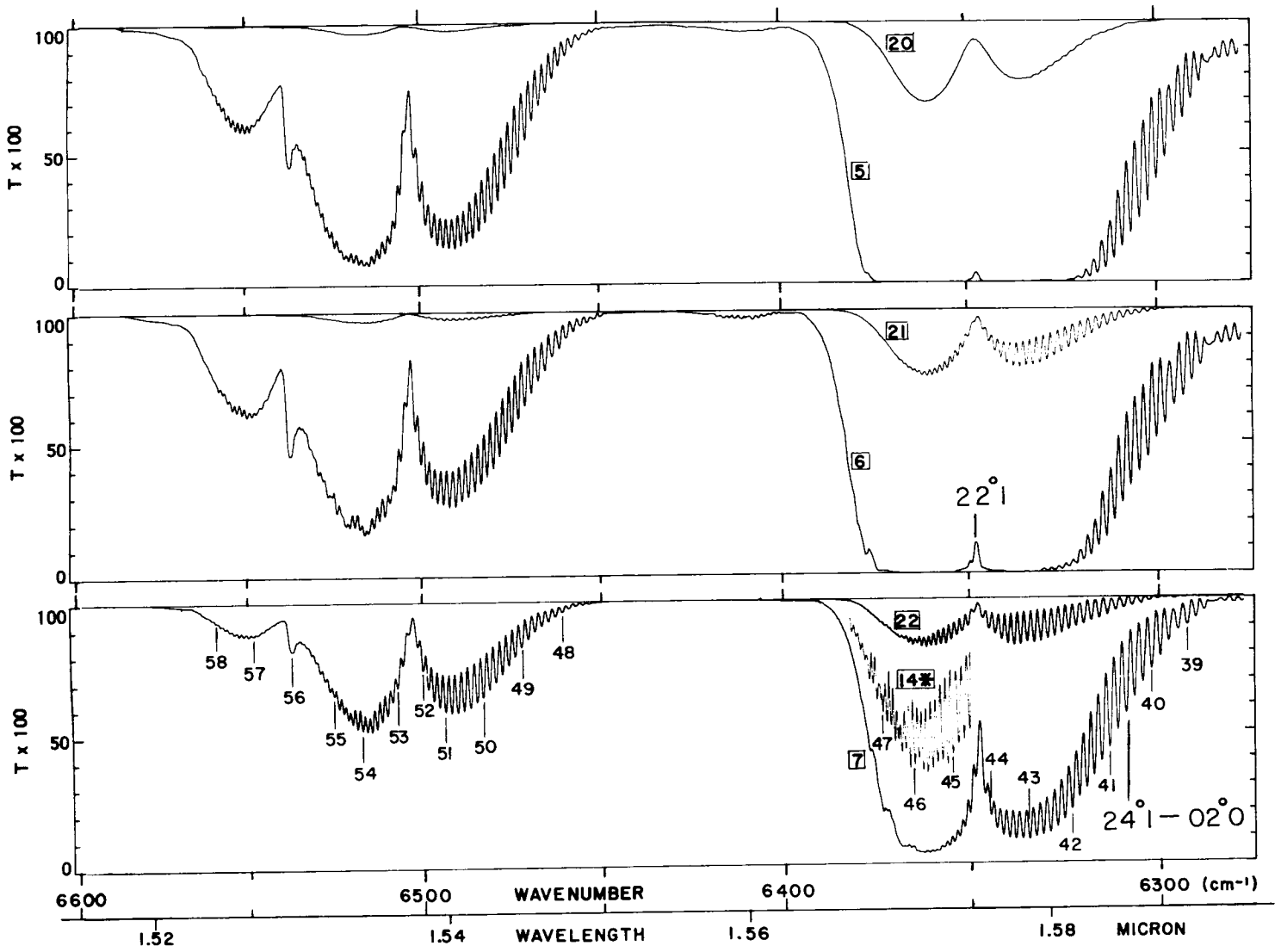
T x 100
100
50
0
20
5
21
6
22°1
22
14*
7
58
57
56
55
54
53
52
51
50
49
48
47
46
45
44
43
42
41
40
39
24°1 − 02°0
6600
6500
WAVENUMBER
6400
6300 (cm⁻¹)
1.52
1.54
WAVELENGTH
1.56
1.58
MICRON

Fig.3-7

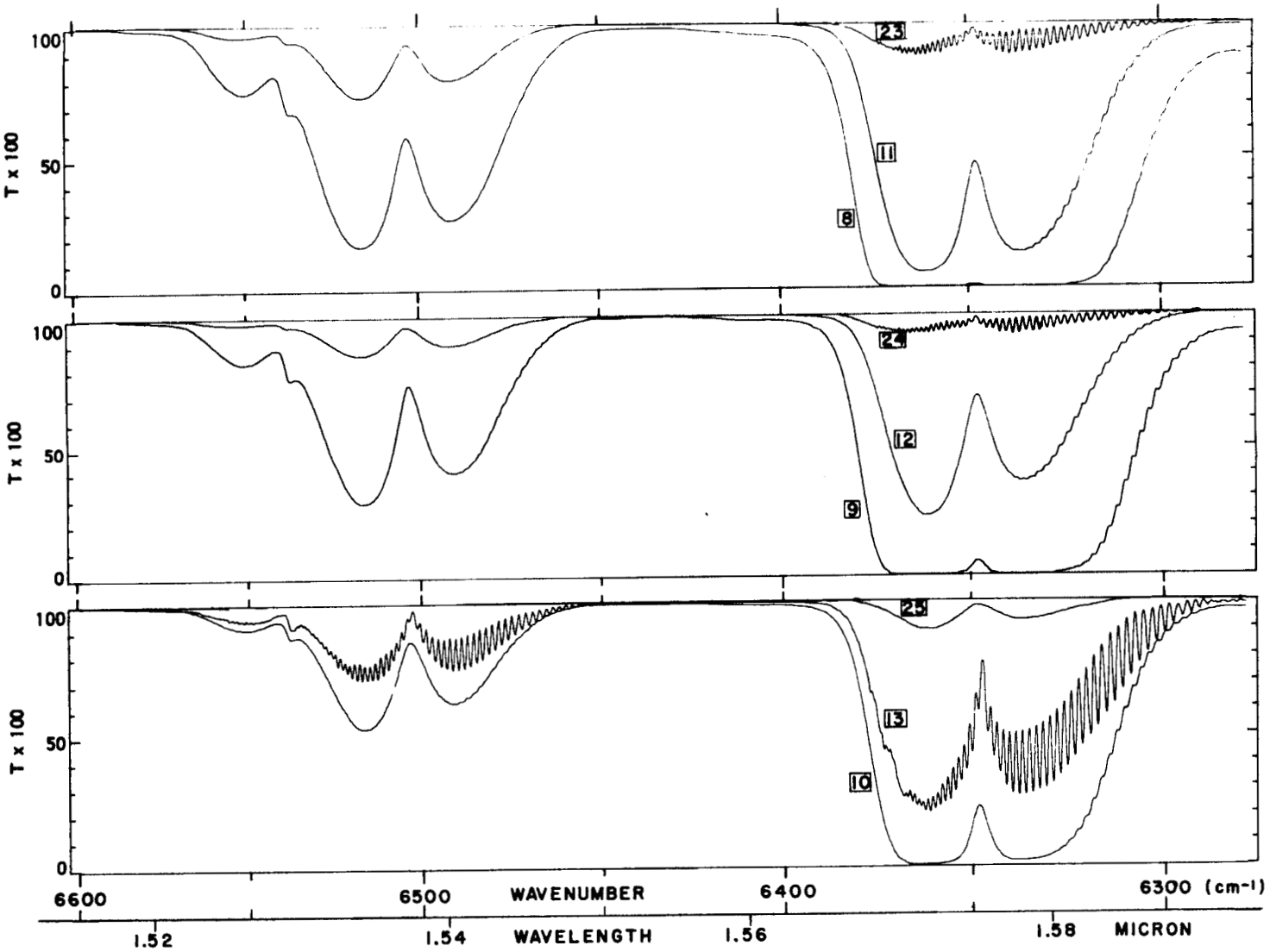
T x 100
100
50
0
23
11
8
24
12
9
25
13
10
6600
6500
WAVENUMBER
6400
6300 (cm-1)
1.52
1.54
WAVELENGTH
1.56
1.58
MICRON

Fig.3-8

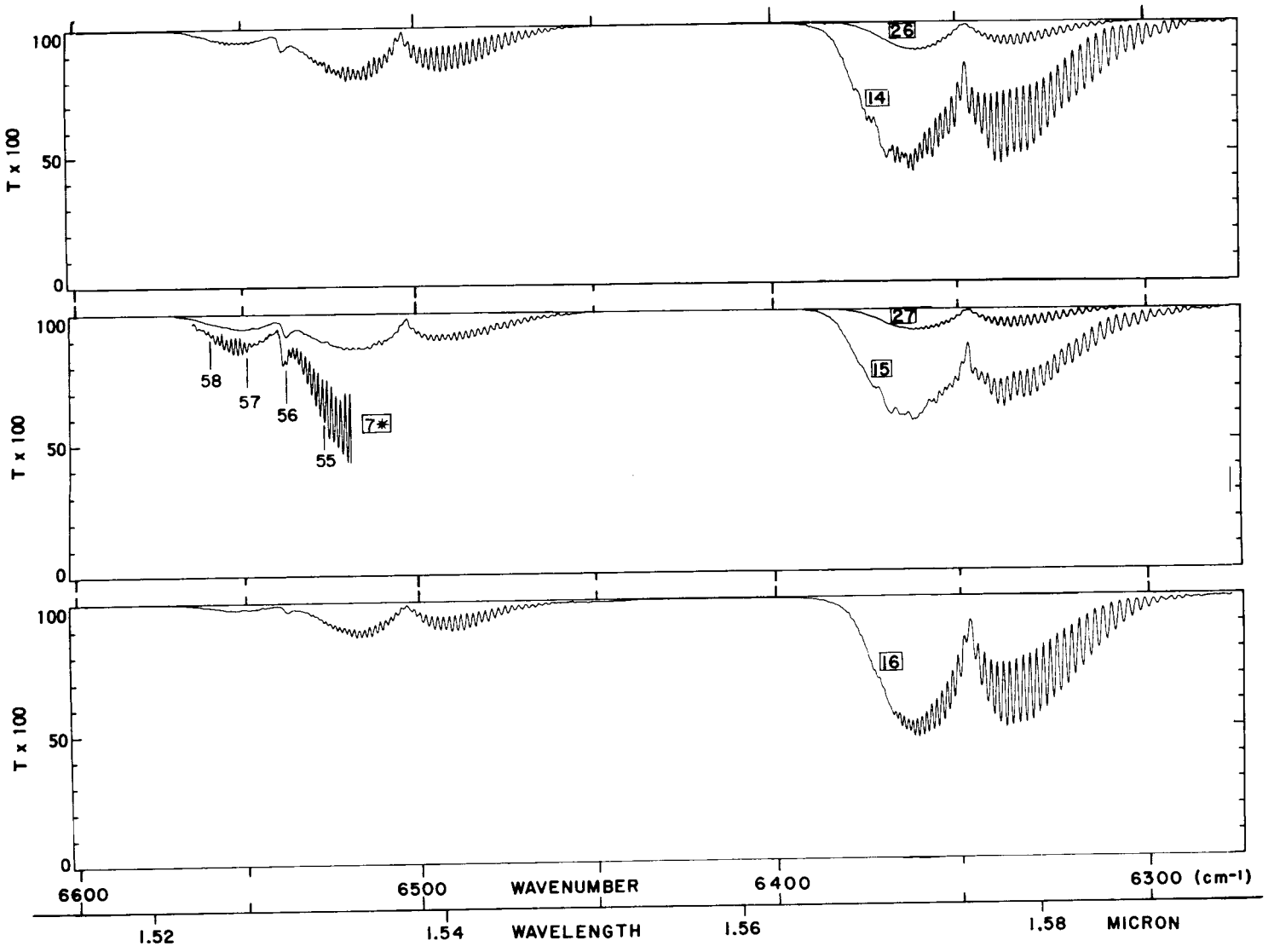
100
50
0
T x 100
26
14
27
15
58
57
56
55
7*
16
6600
6500
WAVENUMBER
6400
6300 (cm-1)
1.52
1.54
WAVELENGTH
1.56
1.58
MICRON

Fig. 3-9

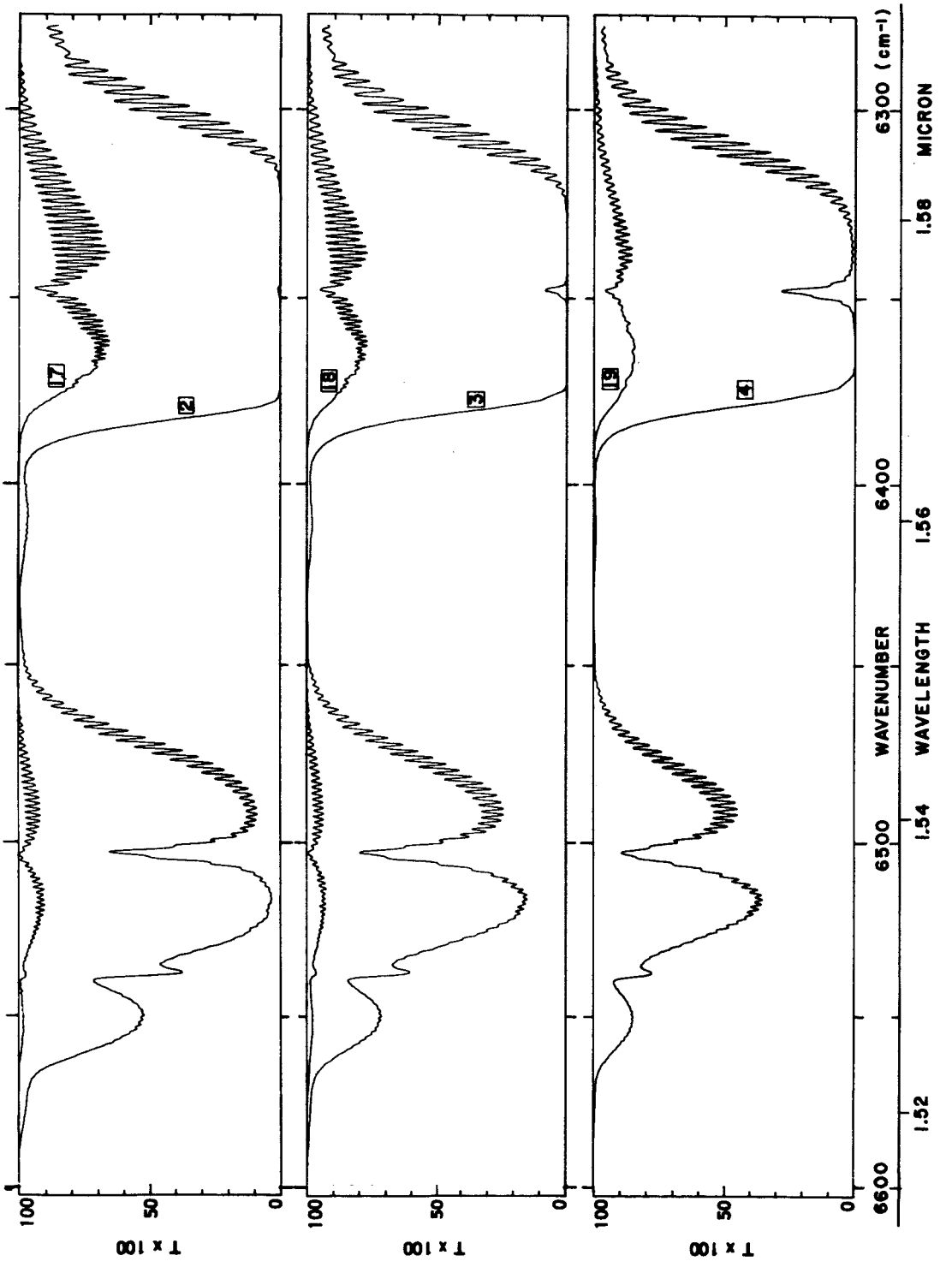
T x 100
100
50
0
17
2
18
3
19
4
6600
6500
6400
6300 (cm-1)
WAVENUMBER
1.52
1.54
1.56
1.58
WAVELENGTH
MICRON

Fig. 3-10

Table 3-2

SAMPLE PARAMETERS

Sam. No.	p	P	P_e	p	P	P_e
	torr	torr	torr	atm	atm	atm
1	1,900	1,900	2,500	2.50	2.50	3.29
2	1,920	1,920	2,520	2.53	2.53	3.32
3	1,920	1,920	2,520	2.53	2.53	3.32
4	1,900	1,900	2,500	2.50	2.50	3.29
5	1,522	1,522	1,995	2.00	2.00	2.62
6	760	760	992	1.000	1.000	1.31
7	760	760	992	1.000	1.000	1.31
7*	760	760	992	1.000	1.000	1.31
8	11,100	11,100	15,500	14.6	14.6	20.3
9	7,600	7,600	10,300	10.00	10.00	13.6
10	7,600	7,600	10,300	10.00	10.00	13.6
11	7,600	7,600	10,300	10.00	10.00	13.6
12	7,600	7,600	10,300	10.00	10.00	13.6
13	175	707	759	0.230	0.930	0.999
14	175	175	228	0.230	0.230	0.300
14*	175	175	228	0.230	0.230	0.300
15	88	88	114	0.116	0.116	0.150
16	58.5	743	761	0.0770	0.977	1.001
17	58.5	212	230	0.0770	0.279	0.303
18	58.5	58.5	76.1	0.0770	0.0770	0.1001
19	29.4	29.4	38.2	0.0387	0.0387	0.0503
20	506	9,800	9,960	0.665	12.9	13.1
21	506	506	659	0.665	0.665	0.865
22	17.8	223	228	0.0234	0.293	0.300
23	17.8	72	77.3	0.0234	0.0946	0.102
24	17.8	17.8	23.1	0.0234	0.0234	0.0304
25	165	9,800	9,850	0.217	12.9	13.0
26	165	710	760	0.217	0.934	1.000
27	165	165	214	0.217	0.217	0.283
28*	1,083	1,083	1,410	1.43	1.43	1.86

*These spectra were obtained with higher resolution for calibration purposes. No calculations were made for the transmittance and integral tables.

Table 3-2 (Cont'd)

Sam. No.	L Path m	u atm cm STP	Res. Sch.	Pages on which spectra appear 6600-6275 cm^{-1}	6275-5900 cm^{-1}
1	933	217,000	B	3-5	3-5
2	469	110,000	B	3-13	3-6
3	237	55,700	B	3-13	3-6
4	121	28,000	B	3-13	3-6
5	469	87,100	B	3-10	3-7
6	933	86,200	B	3-10	3-7
7	237	21,900	B	3-10	3-7
7*	237	21,900	A	3-12	
8	32.9	47,300	B	3-11	3-9
9	32.9	31,600	B	3-11	3-9
10	16.5	15,900	B	3-11	3-9
11	8.26	7,930	B	3-11	3-9
12	4.16	3,990	B	3-11	3-9
13	469	9,940	B	3-11	3-9
14	469	9,940	B	3-12	3-8
14*	469	9,940	A	3-10	
15	933	9,940	C	3-12	3-8
16	469	3,320	B	3-12	3-8
17	469	3,320	B	3-13	3-6
18	469	3,320	B	3-13	3-6
19	933	3,320	C	3-13	3-6
20	16.5	1,010	B	3-10	3-7
21	16.5	1,010	B	3-10	3-7
22	469	1,010	B	3-10	3-7
23	469	1,010	B	3-11	3-9
24	469	1,010	B	3-11	3-9
25	16.5	330	B	3-11	3-9
26	16.5	330	B	3-12	3-8
27	16.5	330	B	3-12	3-8
28*	237	31,300	A		3-8

Table 3-3

CALIBRATION LINES BETWEEN 5800 AND 6600 cm^{-1}.

Line No.	ν cm^{-1}	Line No.	ν cm^{-1}	Line No.	ν cm^{-1}
1	5891.3 M	21	6090.2	41	6313.0
2	5903.3 M	22	6100.1	42	6323.1
3	5915.1 M	23	6107.9	43	6334.4
4	5926.5 M	24	6121.9	44	6344.6
5	5938.1 M	25	6132.0	45	6354.5
6	5949.5 M	26	6141.1	46	6364.9
7	5960.8 M	27	6149.1	47	6373.4
8	5972.1 M	28	6160.2	48	6460.9
9	5983.1 M	29	6168.3	49	6472.3
10	5987.5	30	6175.8	50	6483.1
11	5996.4	31	6189.0	51	6493.4
12	6004.7	32	6197.4	52	6499.9
13	6014.4	33	6207.2	53	6506.9
14	6029.5	34	6218.1	54	6517.0
15	6038.9	35	6226.3	55	6525.1
16	6047.8	36	6237.4	56	6537.0
17	6056.5	37	6247.4	57	6547.9
18	6066.4	38	6256.4	58	6558.6
19	6074.4	39	6293.0		
20	6081.3	40	6302.1		

[M]The calibration lines designated with an M are CH_4 lines whose wavenumbers are taken from Mohler.[9] The remaining lines are CO_2 with wavenumbers taken from Courtoy.[2]

3.2 BAND STRENGTHS

The strength, or intensity, of an absorption band is given by

$$S_\nu = \int K(\nu)d\nu, \qquad (3\text{-}1)$$

where the integration is performed over all ν for which there is appreciable absorption. $K(\nu)$, the absorption coefficient, is defined in terms of $T'(\nu)$, the true transmittance which would be observed with infinite resolving power, by

$$T'(\nu) = \exp\left[- u\, K(\nu) \right], \text{ or } -\ell n T'(\nu) = u\, K(\nu). \qquad (3\text{-}2)$$

Of course, if more than one band contributes to the absorption at a given wavenumber, $K(\nu)$ used in Equation (3-1) must include only the portion due to the band whose strength is being determined. The method used to estimate the contributions of each band in overlapping regions is described below.

The strengths of the bands included in this report are essentially independent of pressure over the range of pressures used. However, as the pressure is increased the lines are broadened until at 14.6 atm., the maximum pressure used, the half-widths are of the order of 1 to 1.5 cm^{-1}, which is less than the spectral slitwidth used in obtaining most of the spectra. Consequently, the observed transmittance $T(\nu)$ is very nearly the true transmittance $T'(\nu)$. By equating these two quantities and combining Equations (3-1) and (3-2), we obtain

$$S_\nu = - \frac{1}{u} \int \ell n T(\nu)d\nu. \qquad (3\text{-}3)$$

Equation (3-3) was used to determine the strengths of the stronger bands listed in Table 3-1 from spectra of samples at pressures greater than about 10 atmospheres. At these pressures, $T(\nu) \cong T'(\nu)$ and Equation (3-3) can be used, provided $T(\nu)$ is not too small, in which case the integral gets very large. Of course, the measurements cannot be made very accurately from spectra in which $A(\nu) \equiv 1 - T(\nu)$ is too small because of the large uncertainty arising from noise or misplacement of the background curve. For small $A(\nu)$, $-\ell n T(\nu) \cong A(\nu)$. When possible, spectra were chosen so that $0.3 \leq T(\nu) \leq 0.9$ over most of the band. It was not possible to use samples with sufficiently large absorber thickness in the shorter absorption cell to produce more than a few percent absorptance by the very weak bands. Therefore, the strengths of these bands were necessarily determined from spectra of samples contained in the longer absorption cell, although its maximum pressure is 2.5 atmospheres.

At this pressure $T'(\nu)$ may be quite different from $T(\nu)$; but Equation (3-3) can still be used, provided $A(\nu)$ is small. A discussion of the limitations of Equation (3-3) when dealing with samples at relatively low pressures is given in Reference 5.

For $\Sigma \leftarrow \Sigma$ bands (quantum number $\ell = 0$) of CO_2, the strength S_m of a given line within a band is related to the band strength S_v by

$$S_m = S_v \, |m| \, \exp -\left[\frac{B'' \, m(m-1)}{k\theta}\right] \Big/ Q_r \qquad (3\text{-}4)$$

$m = J + 1$ for the R-branch and $-J$ for the P-branch. B'' is the rotational constant of the lower state, k is Boltzmann's constant, θ is the temperature, and Q_r is the rotational partition function. The Q-branch is missing in $\Sigma \leftarrow \Sigma$ bands, and contains only about one percent of the strength of $\Pi \leftarrow \Pi$ bands ($\ell = 1$ as in $15^11 \leftarrow 01^10$). Equation (3-4) also gives the strengths[10] of lines in the P- and R-branches of $\Pi \leftarrow \Pi$ bands. Gray and Selvidge[10] have tabulated values of partition functions and relative line strengths for different types of CO_2 bands at several temperatures.

According to quantum theory[11], the relative strength of a difference band $v_1, v_2+1^1, v_3 \leftarrow 0, 1^10$ to its associated summation band v_1, v_2^o, v_3 is given by

$$\frac{S_v \, (v_1, v_2+1^1, v_3 \leftarrow 01^10)}{S_v \, (v_1, v_2^o, v_3)} = 2 \exp(-hc \, 667.4/k\theta) \qquad (3\text{-}5)$$

$$= 0.078 \text{ for } \theta = 296^oK.$$

h is Planck's constant, c is the speed of light, and the factor 2 arises from the double degeneracy of the 01^10 state. 667.4 cm^{-1} is the difference between energy levels 01^10 and 00^00.

Equation (3-5) also relates the strength of any difference band to its associated summation or fundamental band if the proper degeneracy factor is used and 667.4 is replaced by the difference between the energy level 00^00 and the lower level for the difference band.

The strengths of several of the bands in this region are given in Table 3-4. From Equations (2-1) and (3-3), we see that the units of band strength are $atm^{-1} \, cm^{-1}{}_{STP} \, cm^{-1}$, with the STP referring to the absorber thickness and not to the temperature at which the measurement was made. All measurements were at room temperature near 296^oK.

TABLE 3-4

BAND STRENGTHS

Band Center cm^{-1}	Transition	Species[a]	STRENGTH (atm^{-1} cm^{-1} $_{STP}$ cm^{-1}) P-Branch	R-Branch	Entire Band
			(Multiply all numbers below by 10^{-4})		
5584.28	$00^{0}3 \leftarrow 10^{0}0$	12,16,16	0.10 ± 0.02	0.09 ± 0.01	0.19 ± 0.03
5687.05	$00^{0}3 \leftarrow 02^{0}0$	12,16,16	0.10 ± 0.02	0.10 ± 0.01	0.20 ± 0.03
5857.59	$02^{0}2$	12,16,18	0.046 ± 0.006	0.056 ± 0.006	0.102 ± 0.011
6075.93	$06^{0}1$	12,16,16	6.3 ± 0.5	7.0 ± 0.5	13.3 ± 1.0
6227.88	$14^{0}1$	12,16,16	56 ± 6	63 ± 3	119 ± 9
6347.81	$22^{0}1$	12,16,16	55 ± 4	63 ± 4	118 ± 8
6503.05	$30^{0}1$	12,16,16	6.5 ± 0.4	7.0 ± 0.4[b]	13.5 ± 0.8[b]

[a] Numbers denote isotopes of C, O, and O, respectively. The strengths are based on samples containing a mixture of all isotopic species, not just the one indicated.

[b] Strengths of R-branch and of entire band were calculated from measured strength of P-branch by assuming 48% of strength is in P-branch.

The strengths of the $00^{o}3 \leftarrow 10^{o}0$ and $00^{o}3 \leftarrow 02^{o}0$ bands were determined from the spectrum shown in Figure 3-1. There were a few H_2O lines in the region of the $00^{o}3 \leftarrow 10^{o}0$ band in the original spectrum because of the trace of H_2O impurity in the sample. The spectrum was modified to account for the H_2O before it was replotted and digitized. Possible errors in accounting for the H_2O absorption increase the uncertainty in the measurement of the strengths by a few percent. Since the average absorptance in the P-branch of these bands is smaller than in the R-branch, and since it is more difficult to determine the wavenumber beyond which there is significant absorption, the uncertainty in the measurements of the P-branch is greater than in the R-branch.

The $02^{o}2$ band of $C^{12}O^{16}O^{18}$ appears in a region which is free of absorption by other bands and its strength could be determined although it is much weaker than some of the other bands. The value given is based on the absorber thickness of the sample containing all the isotopes of C and O. If we assume that the sample contained the natural abundance (0.20%) of O^{18}, the strength should be multiplied by 500 to apply to a sample composed of $C^{12}O^{16}O^{18}$ molecules only. As was the case for the two bands mentioned in the previous paragraph, the uncertainty in the measurement of the P-branch was greater than that in the R-branch. The uncertainty is also relatively high because of the small absorptance by even the largest samples.

By summing the strengths given by Equation (3-4) for all the lines in the P- and R-branches, we see that approximately 48% of the strength is in the P-branch and 52% in the R-branch. We see that this agrees, within experimental error, with the results listed in Table 3-4. Results of measurements given in previous reports[4,5] by us tend to confirm the validity of this ratio of strength between the two branches $\Sigma \leftarrow \Sigma$ bands.

Portions of the $06^{o}1$ band of $C^{12}O_2^{16}$ are overlapped by lines of its associated difference band $07^{1}1 \leftarrow 01^{1}0$ as well as $14^{o}1$ and $15^{1}1 \leftarrow 01^{1}0$ bands of $C^{13}O_2^{16}$; therefore, it was not possible to determine the strength by merely integrating $-\ell n(T\nu)$ over the region covered by the band. In order to account for the $07^{1}1 \leftarrow 01^{1}0$ band, we assumed that its strength was related to that of its associated summation band by Equation (3-5). We further assumed that the strength of each of the lines within this band was given by Equation (3-4) and calculated the contribution of those within the region of integration. The contribution of the two bands of $C^{13}O_2^{16}$ was small and was calculated by assuming that their strengths were related to the strengths of the same bands of $C^{12}O_2^{16}$ band by the ratio of the relative abundances of C^{13} and C^{12} (1.1:100).

The R-branch of the $14^{o}1$ band is essentially isolated from other bands, thus its strength could be determined with relatively good accuracy. In order to calculate the strength of the P-branch, the same technique was used to account for the contribution of the $15^{1}1 \leftarrow 01^{1}0$ band as was used

for the $06^{0}1$ band. The same technique was also used to account for the small amount of absorption by the weaker bands which overlap the $22^{0}1$ band.

Only a small correction was required to account for the absorption by weak bands overlapping the P-branch of the $30^{0}1$ band. However, the R-branch of this band is overlapped by the $03^{1}2$ and the $31^{1}1 \leftarrow 01^{1}0$ bands. The contribution of the $31^{1}1 \leftarrow 01^{1}0$ band could be calculated by the use of Equation (3-5); but without spectra in which the resolution was sufficiently good to resolve the lines of the $03^{1}2$ band, its contribution would be difficult to determine. Therefore, the strength of the R-branch of the $30^{0}1$ band which is given in Table 3-4 was not determined directly from the spectra. It was obtained by assuming that the ratio of the strength of the R-branch to the P-branch (52/48) mentioned above is valid.

By using more sophisticated techniques and by making use of spectra having considerably better resolution, it would be possible to determine the strengths of more of the bands in this region. However, we have determined the strengths of the more important ones which produce a very large percentage of the absorption in this region.

SECTION 4

TABLE OF TRANSMITTANCES

Table 4-1 consists of values of transmittance, in percent, recorded at intervals of 0.2 cm^{-1} in the region from 5814 to 6604 cm^{-1}. The interval is sufficiently small that an original spectrum could be approximated very closely by plotting the tabulated values and joining the points with straight lines. The first column gives the wavenumber in cm^{-1}, and the second gives the corresponding wavelength in microns. The tables were made by photographing a portion of the computer output which was obtained from the spectra by the technique described in Appendix C of reference 4.

The CO_2 partial pressure p, the equivalent pressure P_e and the absorber thickness u are shown at the top of the column corresponding to each sample. The samples are designated by the same numbers as Table 3-2 and in the spectra in Section 3.

Values are not tabulated over regions of small, but observable, absorptance ($T \cong 1$) for some of the samples. The transmittance is probably greater than 0.98 or 0.99 for even the largest sample (No. 1) at all wavenumbers between 5400 and 6600 cm^{-1} not showing absorption in either Figure 3-1 or 3-2.

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Table 4-1

Sam. No.	1
p(atm)	2.50×10^{0}
P_e(atm)	3.29×10^{0}
u (atm cm) STP	2.17×10^{5}

ν (cm^{-1})	λ (micron)	T × 100
5824.0	1.71762	99.1
5823.2	1.71756	99.0
5822.4	1.71750	99.0
5821.6	1.71745	99.0
5820.8	1.71739	99.0
5820.0	1.71733	98.9
5819.2	1.71727	98.9
5818.4	1.71721	98.9
5817.6	1.71715	98.8
5816.8	1.71709	98.8
5816.0	1.71703	98.8
5815.2	1.71697	98.7
5814.4	1.71692	98.7
5813.6	1.71686	98.7
5812.8	1.71680	98.6
5812.0	1.71674	98.6
5811.2	1.71668	98.6
5810.4	1.71662	98.6
5809.6	1.71656	98.5
5808.8	1.71650	98.5
5808.0	1.71644	98.5
5807.2	1.71638	98.4
5806.4	1.71633	98.4
5805.6	1.71627	98.4
5804.8	1.71621	98.3
5804.0	1.71615	98.3
5803.2	1.71609	98.3
5802.4	1.71603	98.2
5801.6	1.71597	98.2
5800.8	1.71591	98.2
5800.0	1.71585	98.2
5799.2	1.71580	98.1
5798.4	1.71574	98.1
5797.6	1.71568	98.1
5796.8	1.71562	98.0
5796.0	1.71556	98.0
5795.2	1.71550	98.0
5794.4	1.71544	97.9
5793.6	1.71539	97.9
5792.8	1.71532	97.9
5792.0	1.71527	97.9
5791.2	1.71521	97.9
5790.4	1.71515	97.9
5789.6	1.71509	97.8
5788.8	1.71503	97.8
5788.0	1.71497	97.8
5787.2	1.71491	97.8
5786.4	1.71485	97.7
5785.6	1.71480	97.7
5784.8	1.71474	97.7
5784.0	1.71468	97.7
5783.2	1.71462	97.7
5782.4	1.71456	97.7
5781.6	1.71450	97.7
5780.8	1.71444	97.7
5780.0	1.71438	97.7
5779.2	1.71432	97.7
5778.4	1.71427	97.7
5777.6	1.71421	97.8
5776.8	1.71415	97.8
5776.	1.71409	97.8
5775.2	1.71403	97.8
5774.4	1.71397	97.8
5773.6	1.71391	97.7
5772.8	1.71385	97.7

Sam. No.	1
p(atm)	2.50×10^{0}
P_e(atm)	3.29×10^{0}
u (atm cm) STP	2.17×10^{5}

ν (cm^{-1})	λ (micron)	T × 100
5838.4	1.71380	97.7
5837.6	1.71374	97.6
5836.8	1.71368	97.6
5836.0	1.71362	97.5
5835.2	1.71356	97.5
5834.4	1.71350	97.5
5833.6	1.71344	97.4
5832.8	1.71338	97.4
5832.0	1.71333	97.4
5831.2	1.71327	97.3
5830.4	1.71321	97.3
5829.6	1.71315	97.2
5828.8	1.71309	97.2
5828.0	1.71303	97.2
5827.2	1.71297	97.1
5826.4	1.71292	97.1
5825.6	1.71286	97.1
5824.8	1.71280	97.0
5824.0	1.71274	97.0
5823.2	1.71268	96.9
5822.4	1.71262	96.9
5821.6	1.71256	96.9
5820.8	1.71250	96.8
5820.0	1.71244	96.8
5819.2	1.71239	96.8
5818.4	1.71233	96.7
5817.6	1.71227	96.7
5816.8	1.71221	96.7
5816.0	1.71215	96.7
5815.2	1.71209	96.7
5814.4	1.71203	96.6
5813.6	1.71198	96.6
5812.8	1.71192	96.6
5812.0	1.71186	96.5
5811.2	1.71180	96.5
5810.4	1.71174	96.5
5809.6	1.71168	96.5
5808.8	1.71162	96.4
5808.0	1.71157	96.4
5807.2	1.71151	96.4
5806.4	1.71145	96.4
5805.6	1.71139	96.4
5804.8	1.71133	96.4
5804.0	1.71127	96.4
5803.2	1.71122	96.4
5802.4	1.71116	96.4
5801.6	1.71110	96.4
5800.8	1.71104	96.4
5800.0	1.71098	96.4
5799.2	1.71092	96.4
5798.4	1.71086	96.4
5797.6	1.71081	96.4
5796.8	1.71075	96.4
5796.0	1.71069	96.4
5795.2	1.71063	96.4
5794.4	1.71057	96.4
5793.6	1.71051	96.3
5792.8	1.71045	96.2
5792.0	1.71040	96.1
5791.2	1.71034	96.1
5790.4	1.71028	95.9
5789.6	1.71022	95.9
5788.8	1.71016	95.8

Sam. No.	1
p(atm)	2.50×10^{0}
P_e(atm)	3.29×10^{0}
u (atm cm) STP	2.17×10^{5}

ν (cm^{-1})	λ (micron)	T × 100
5848.8	1.70999	96.1
5848.0	1.70993	96.1
5847.2	1.70987	96.1
5846.4	1.70981	96.1
5845.6	1.70975	96.1
5844.8	1.70969	96.1
5844.0	1.70964	96.1
5843.2	1.70958	96.1
5842.4	1.70952	96.1
5841.6	1.70946	96.1
5840.8	1.70940	96.1
5840.0	1.70934	96.0
5839.2	1.70928	96.0
5838.4	1.70923	96.0
5837.6	1.70917	96.0
5836.8	1.70911	96.0
5836.0	1.70905	96.0
5835.2	1.70899	96.0
5834.4	1.70893	96.0
5833.6	1.70888	96.0
5832.8	1.70882	96.0
5832.0	1.70876	96.0
5831.2	1.70870	96.0
5830.4	1.70864	96.0
5829.6	1.70859	96.0
5828.8	1.70853	96.0
5828.0	1.70847	96.0
5827.2	1.70841	96.0
5826.4	1.70835	96.0
5825.6	1.70829	96.0
5824.8	1.70823	96.0
5824.0	1.70817	96.0
5823.2	1.70812	96.0
5822.4	1.70806	96.0
5821.6	1.70800	96.0
5820.8	1.70794	96.0
5820.0	1.70788	96.0
5819.2	1.70783	96.0
5818.4	1.70777	96.0
5817.6	1.70771	96.0
5816.8	1.70765	96.0
5816.0	1.70759	96.0
5815.2	1.70753	96.0
5814.4	1.70748	96.0
5813.6	1.70742	96.0
5812.8	1.70736	96.0
5812.0	1.70730	96.0
5811.2	1.70724	96.0
5810.4	1.70718	96.0
5809.6	1.70713	96.0
5808.8	1.70707	96.0
5808.0	1.70701	96.0
5807.2	1.70695	96.0
5806.4	1.70689	96.0
5805.6	1.70683	96.0
5804.8	1.70678	96.0
5804.0	1.70672	96.0
5803.2	1.70666	96.0
5802.4	1.70660	96.0
5801.6	1.70654	96.0
5800.8	1.70648	96.0
5800.0	1.70643	96.0
5799.2	1.70637	96.0
5798.4	1.70631	96.0
5797.6	1.70625	96.0

Sam. No.	1
p(atm)	2.50×10^{0}
P_e(atm)	3.29×10^{0}
u (atm cm) STP	2.17×10^{5}

ν (cm^{-1})	λ (micron)	T × 100
5861.6	1.70619	97.0
5860.8	1.70614	96.9
5860.0	1.70608	96.7
5859.2	1.70602	96.6
5858.4	1.70596	96.4
5857.6	1.70590	96.3
5856.8	1.70584	96.2
5856.0	1.70579	96.1
5855.2	1.70573	96.1
5854.4	1.70567	96.0
5853.6	1.70561	95.9
5852.8	1.70555	95.8
5852.0	1.70550	95.7
5851.2	1.70544	95.6
5850.4	1.70538	95.5
5849.6	1.70532	95.4
5848.8	1.70526	95.3
5848.0	1.70520	95.2
5847.2	1.70515	95.0
5846.4	1.70509	94.7
5845.6	1.70503	94.5
5844.8	1.70497	94.5
5844.0	1.70491	94.4
5843.2	1.70485	94.3
5842.4	1.70480	94.2
5841.6	1.70474	94.0
5840.8	1.70468	93.9
5840.0	1.70462	93.7
5839.2	1.70456	93.6
5838.4	1.70451	93.5
5837.6	1.70445	93.3
5836.8	1.70439	93.2
5836.0	1.70433	93.1
5835.2	1.70427	93.0
5834.4	1.70422	92.9
5833.6	1.70416	92.8
5832.8	1.70410	92.8
5832.0	1.70404	92.7
5831.2	1.70398	92.7
5830.4	1.70393	92.6
5829.6	1.70387	92.6
5828.8	1.70381	92.5
5828.0	1.70375	92.5
5827.2	1.70369	92.4
5826.4	1.70364	92.4
5825.6	1.70358	92.4
5824.8	1.70352	92.4
5824.0	1.70346	92.4
5823.2	1.70340	92.4
5822.4	1.70335	92.4
5821.6	1.70329	92.4
5820.8	1.70323	92.4
5820.0	1.70317	92.4
5819.2	1.70311	92.4
5818.4	1.70306	92.4
5817.6	1.70300	92.4
5816.8	1.70294	92.5
5816.0	1.70288	92.5
5815.2	1.70282	92.5
5814.4	1.70277	92.5
5813.6	1.70271	92.5
5812.8	1.70265	92.5
5812.0	1.70259	92.5
5811.2	1.70253	92.5
5810.4	1.70248	92.7

Sam. No.	1
p(atm)	2.50×10^{0}
P_e(atm)	3.29×10^{0}
u (atm cm) STP	2.17×10^{5}

ν (cm^{-1})	λ (micron)	T × 100
5874.0	1.70242	92.8
5874.2	1.70234	92.9
5874.4	1.70230	93.0
5874.6	1.70224	93.1
5874.8	1.70219	93.2
5875.0	1.70213	93.4
5875.2	1.70207	93.5
5875.4	1.70201	93.7
5875.6	1.70195	93.9
5875.8	1.70190	94.0
5876.	1.70184	94.2
5876.2	1.70178	94.3
5876.4	1.70172	94.5
5876.6	1.70166	94.7
5876.8	1.70161	94.9
5877.0	1.70155	95.0
5877.2	1.70149	95.2
5877.4	1.70143	95.3
5877.6	1.70137	95.5
5877.8	1.70132	95.4
5878.	1.70126	96.0
5878.2	1.70120	96.3
5878.4	1.70114	96.5
5878.6	1.70109	96.7
5878.8	1.70103	97.0
5879.0	1.70097	97.2
5879.2	1.70091	97.3
5879.4	1.70085	97.3
5879.6	1.70080	97.4
5879.8	1.70074	97.5
5880.0	1.70068	97.4
5880.2	1.70062	98.0
5880.4	1.70056	98.2
5880.6	1.70051	98.4
5880.8	1.70045	98.5
5881.0	1.70039	98.3
5881.2	1.70033	99.1
5881.4	1.70028	99.3
5881.6	1.70022	99.5
5881.8	1.70016	99.5
5882.0	1.70010	99.7
5882.2	1.70004	99.8
5882.4	1.69999	99.9
5882.6	1.69993	100.0
5882.8	1.69987	100.0
5883.0	1.69981	100.0
5883.2	1.69975	100.0
5883.4	1.69970	100.0
5883.6	1.69964	100.0
5883.8	1.69958	100.0
5884.	1.69952	100.0
5884.2	1.69947	100.0
5884.4	1.69941	100.0
5884.6	1.69935	100.0
5884.8	1.69929	100.0
5885.	1.69924	100.0
5885.2	1.69918	100.0
5885.4	1.69912	100.0
5885.6	1.69906	100.0
5885.8	1.69901	100.0
5886.0	1.69895	100.0
5886.2	1.69889	100.0
5886.4	1.69883	100.0
5886.6	1.69877	100.0
5886.8	1.69872	100.0

Sam. No.	1
p(atm)	2.50×10^{0}
P_e(atm)	3.29×10^{0}
u (atm cm) STP	2.17×10^{5}

ν (cm^{-1})	λ (micron)	T × 100
5887.0	1.69866	100.0
5887.2	1.69860	100.0
5887.4	1.69854	100.0
5887.6	1.69848	100.0
5887.8	1.69843	100.0
5888.0	1.69837	100.0
5888.2	1.69831	100.0
5888.4	1.69825	100.0
5888.6	1.69820	100.0
5888.8	1.69814	100.0
5889.0	1.69808	100.0
5889.2	1.69802	100.0
5889.4	1.69797	100.0
5889.6	1.69791	100.0
5889.8	1.69785	100.0
5890.0	1.69779	100.0
5890.2	1.69774	100.0
5890.4	1.69768	100.0
5890.6	1.69762	100.0
5890.8	1.69756	100.0
5891.0	1.69750	100.0
5891.2	1.69745	100.0
5891.4	1.69739	100.0
5891.6	1.69733	100.0
5891.8	1.69727	100.0
5892.0	1.69722	100.0
5892.2	1.69716	100.0
5892.4	1.69710	100.0
5892.6	1.69704	100.0
5892.8	1.69699	100.0
5893.0	1.69693	100.0
5893.2	1.69687	100.0
5893.4	1.69681	100.0
5893.6	1.69676	100.0
5893.8	1.69670	100.0
5894.0	1.69664	100.0
5894.2	1.69658	100.0
5894.4	1.69653	100.0
5894.6	1.69647	100.0
5894.8	1.69641	100.0
5895.0	1.69635	100.0
5895.2	1.69630	100.0
5895.4	1.69624	100.0
5895.6	1.69618	100.0
5895.8	1.69612	100.0
5896.0	1.69607	100.0
5896.2	1.69601	100.0
5896.4	1.69595	100.0
5896.6	1.69589	100.0
5896.8	1.69584	100.0
5897.0	1.69578	100.0
5897.2	1.69572	100.0
5897.4	1.69566	100.0
5897.6	1.69561	100.0
5897.8	1.69555	100.0
5898.0	1.69549	100.0
5898.2	1.69543	100.0
5898.4	1.69538	100.0
5898.6	1.69532	100.0
5898.8	1.69526	100.0
5899.0	1.69520	100.0
5899.2	1.69515	100.0
5899.4	1.69509	100.0
5899.6	1.69503	100.0
5899.8	1.69497	100.0

Table 4-1 (cont'd)

Sam. No.	1	2	3	4	5	6	7	8	9	10	11	12
p(atm)	2.50×10^{0}	2.53×10^{0}	2.53×10^{0}	2.50×10^{0}	2.00×10^{0}	1.00×10^{0}	1.00×10^{0}	1.46×10^{1}	1.00×10^{1}	1.00×10^{1}	1.00×10^{1}	1.00×10^{0}
P_e(atm)	3.29×10^{0}	3.32×10^{0}	3.32×10^{0}	3.29×10^{0}	2.62×10^{0}	1.31×10^{0}	1.31×10^{0}	2.03×10^{1}	1.36×10^{1}	1.36×10^{1}	1.36×10^{1}	1.36×10^{1}
u (atm cm) STP	2.17×10^{5}	1.10×10^{5}	5.57×10^{4}	2.80×10^{4}	8.71×10^{4}	8.62×10^{4}	2.19×10^{4}	4.73×10^{4}	3.16×10^{4}	1.59×10^{4}	7.93×10^{3}	3.99×10^{3}

ν (cm^{-1})	λ (micron)	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100
5900.0	1.69492	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5900.2	1.69486	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5900.4	1.69480	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5900.6	1.69474	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5900.8	1.69469	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5901.0	1.69463	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5901.2	1.69457	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5901.4	1.69451	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5901.6	1.69446	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5901.8	1.69440	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5902.0	1.69434	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5902.2	1.69428	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5902.4	1.69423	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5902.6	1.69417	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5902.8	1.69411	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5903.0	1.69405	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5903.2	1.69400	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5903.4	1.69394	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5903.6	1.69388	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5903.8	1.69382	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5904.0	1.69377	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5904.2	1.69371	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5904.4	1.69365	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5904.6	1.69359	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5904.8	1.69354	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5905.0	1.69348	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5905.2	1.69342	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5905.4	1.69337	99.9	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5905.6	1.69331	99.9	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5905.8	1.69325	99.9	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5906.0	1.69319	99.9	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5906.2	1.69314	99.9	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5906.4	1.69308	99.9	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5906.6	1.69302	99.9	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5906.8	1.69296	99.9	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5907.0	1.69291	99.9	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0
5907.2	1.69285	99.8	100.0	100.0	100.0				99.9	100.0	100.0	100.0	100.0	100.0
5907.4	1.69279	99.8	100.0	100.0	100.0				99.9	100.0	100.0	100.0	100.0	100.0
5907.6	1.69273	99.8	100.0	100.0	100.0				99.9	100.0	100.0	100.0	100.0	100.0
5907.8	1.69268	99.8	100.0	100.0	100.0				99.9	100.0	100.0	100.0	100.0	100.0
5908.0	1.69262	99.8	100.0	100.0	100.0				99.9	100.0	100.0	100.0	100.0	100.0
5908.2	1.69256	99.8	100.0	100.0	100.0				99.9	100.0	100.0	100.0	100.0	100.0
5908.4	1.69251	99.8	100.0	100.0	100.0				99.9	100.0	100.0	100.0	100.0	100.0
5908.6	1.69245	99.8	100.0	100.0	100.0				99.9	100.0	100.0	100.0	100.0	100.0
5908.8	1.69239	99.7	100.0	100.0	100.0				99.9	100.0	100.0	100.0	100.0	100.0
5909.0	1.69233	99.7	100.0	100.0	100.0	100.0	100.0	100.0	99.9	100.0	100.0	100.0	100.0	100.0
5909.2	1.69228	99.7	99.9	100.0	100.0	100.0	100.0	100.0	99.9	100.0	100.0	100.0	100.0	100.0
5909.4	1.69222	99.7	99.9	100.0	100.0	100.0	100.0	100.0	99.9	100.0	100.0	100.0	100.0	100.0
5909.6	1.69216	99.7	99.9	100.0	100.0	100.0	100.0	100.0	99.9	100.0	100.0	100.0	100.0	100.0
5909.8	1.69210	99.7	99.9	100.0	100.0	100.0	100.0	100.0	99.9	100.0	100.0	100.0	100.0	100.0
5910.0	1.69205	99.7	99.9	100.0	100.0	100.0	100.0	100.0	99.9	100.0	100.0	100.0	100.0	100.0
5910.2	1.69199	99.7	99.9	100.0	100.0	100.0	100.0	100.0	99.9	100.0	100.0	100.0	100.0	100.0
5910.4	1.69193	99.7	99.9	100.0	100.0	100.0	100.0	100.0	99.9	100.0	100.0	100.0	100.0	100.0
5910.6	1.69188	99.6	99.9	100.0	100.0	100.0	100.0	100.0	99.9	100.0	100.0	100.0	100.0	100.0
5910.8	1.69182	99.6	99.9	100.0	100.0	100.0	100.0	100.0	99.9	100.0	100.0	100.0	100.0	100.0
5911.0	1.69176	99.6	99.9	100.0	100.0	100.0	100.0	100.0	99.8	100.0	100.0	100.0	100.0	100.0
5911.2	1.69170	99.6	99.9	100.0	100.0	100.0	100.0	100.0	99.8	100.0	100.0	100.0	100.0	100.0
5911.4	1.69165	99.6	99.9	100.0	100.0	100.0	100.0	100.0	99.8	100.0	100.0	100.0	100.0	100.0
5911.6	1.69159	99.6	99.9	100.0	100.0	100.0	100.0	100.0	99.8	100.0	100.0	100.0	100.0	100.0
5911.8	1.69153	99.6	99.9	100.0	100.0	100.0	100.0	100.0	99.8	100.0	100.0	100.0	100.0	100.0
5912.0	1.69147	99.6	99.9	100.0	100.0	100.0	100.0	100.0	99.8	100.0	100.0	100.0	100.0	100.0
5912.2	1.69142	99.6	99.9	100.0	100.0	100.0	100.0	100.0	99.8	100.0	100.0	100.0	100.0	100.0
5912.4	1.69136	99.6	99.9	100.0	100.0	100.0	100.0	100.0	99.8	100.0	100.0	100.0	100.0	100.0
5912.6	1.69130	99.6	99.9	100.0	100.0	100.0	100.0	100.0	99.8	100.0	100.0	100.0	100.0	100.0
5912.8	1.69125	99.6	99.7	100.0	100.0	100.0	100.0	100.0	99.8	100.0	100.0	100.0	100.0	100.0

Sam. No.	1	2	3	4	5	6	7	8	9	10	11	12
p(atm)	2.50×10^{0}	2.53×10^{0}	2.53×10^{0}	2.50×10^{0}	2.00×10^{0}	1.00×10^{0}	1.00×10^{0}	1.46×10^{1}	1.00×10^{1}	1.00×10^{1}	1.00×10^{1}	1.00×10^{0}
P_e(atm)	3.29×10^{0}	3.32×10^{0}	3.32×10^{0}	3.29×10^{0}	2.62×10^{0}	1.31×10^{0}	1.31×10^{0}	2.03×10^{1}	1.36×10^{1}	1.36×10^{1}	1.36×10^{1}	1.36×10^{1}
u (atm cm) STP	2.17×10^{5}	1.10×10^{5}	5.57×10^{4}	2.80×10^{4}	8.71×10^{4}	8.62×10^{4}	2.19×10^{4}	4.73×10^{4}	3.16×10^{4}	1.59×10^{4}	7.93×10^{3}	3.99×10^{3}

ν (cm^{-1})	λ (micron)	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100
5929.0	1.68663	96.3	98.8	99.5	100.0	98.7	99.7	100.0	98.9	99.6	99.9	100.0	100.0	100.0
5929.2	1.68657	96.4	98.8	99.5	100.0	98.5	99.6	100.0	98.9	99.6	99.9	100.0	100.0	100.0
5929.4	1.68651	96.3	98.8	99.5	100.0	98.5	99.6	100.0	98.9	99.6	99.9	100.0	100.0	100.0
5929.6	1.68645	96.4	98.8	99.5	100.0	98.5	99.6	100.0	98.9	99.6	99.9	100.0	100.0	100.0
5929.8	1.68640	96.3	98.8	99.5	100.0	98.5	99.6	100.0	98.9	99.6	99.9	100.0	100.0	100.0
5930.0	1.68634	96.3	98.8	99.4	100.0	98.5	99.6	100.0	98.9	99.5	99.8	100.0	100.0	100.0
5930.2	1.68628	96.4	98.8	99.4	100.0	98.5	99.6	100.0	98.9	99.5	99.8	100.0	100.0	100.0
5930.4	1.68623	96.3	98.7	99.4	100.0	98.3	99.5	100.0	98.7	99.5	99.8	100.0	100.0	100.0
5930.6	1.68617	96.7	98.7	99.4	100.0	98.3	99.5	100.0	98.7	99.5	99.7	100.0	100.0	100.0
5930.8	1.68611	96.7	98.7	99.4	100.0	98.5	99.5	100.0	98.7	99.5	99.7	100.0	100.0	100.0
5931.0	1.68606	96.5	98.7	99.4	100.0	98.2	99.5	100.0	98.7	99.5	99.7	100.0	100.0	100.0
5931.2	1.68600	96.5	98.7	99.4	100.0	98.3	99.5	100.0	98.7	99.5	99.7	100.0	100.0	100.0
5931.4	1.68594	96.5	98.6	99.3	100.0	98.1	99.5	100.0	98.7	99.5	99.7	100.0	100.0	100.0
5931.6	1.68589	96.5	98.6	99.3	100.0	98.5	99.4	100.0	98.7	99.5	99.5	100.0	100.0	100.0
5931.8	1.68583	96.5	98.5	99.3	100.0	98.5	99.4	100.0	98.7	99.5	99.5	100.0	100.0	100.0
5932.0	1.68577	96.5	98.5	99.3	100.0	98.5	99.4	100.0	98.7	99.5	99.5	100.0	100.0	100.0
5932.2	1.68572	96.5	98.5	99.3	100.0	98.5	99.4	100.0	98.7	99.5	99.5	100.0	100.0	100.0
5932.4	1.68566	96.4	98.4	99.3	100.0	98.5	99.4	100.0	98.7	99.5	99.5	100.0	100.0	100.0
5932.6	1.68560	96.4	98.4	99.3	100.0	98.3	99.4	100.0	98.7	99.4	99.5	100.0	100.0	100.0
5932.8	1.68554	96.3	98.4	99.3	100.0	98.2	99.3	100.0	98.7	99.4	99.5	100.0	100.0	100.0
5933.0	1.68549	96.3	98.4	99.2	100.0	98.2	99.3	100.0	98.7	99.4	99.5	100.0	100.0	100.0
5933.2	1.68543	96.3	98.4	99.2	100.0	98.3	99.3	100.0	98.6	99.4	99.5	100.0	100.0	100.0
5933.4	1.68537	96.2	98.3	99.2	100.0	98.3	99.3	100.0	98.6	99.4	99.5	100.0	100.0	100.0
5933.6	1.68532	96.2	98.3	99.2	100.0	98.3	99.3	100.0	98.6	99.4	99.5	100.0	100.0	100.0
5933.8	1.68526	96.3	98.3	99.2	100.0	98.4	99.3	100.0	98.6	99.4	99.5	100.0	100.0	100.0
5934.0	1.68520	95.3	98.0	99.2	100.0	98.5	99.2	100.0	98.6	99.4	99.5	100.0	100.0	100.0
5934.2	1.68515	95.6	97.9	99.2	100.0	98.5	99.2	100.0	98.6	99.4	99.5	100.0	100.0	100.0
5934.4	1.68509	95.6	98.0	99.2	100.0	98.5	99.2	100.0	98.6	99.4	99.5	100.0	100.0	100.0
5934.6	1.68503	95.5	98.0	99.1	100.0	98.6	99.2	100.0	98.6	99.4	99.5	100.0	100.0	100.0
5934.8	1.68498	95.5	98.1	99.1	100.0	98.6	99.2	100.0	98.6	99.4	99.5	100.0	100.0	100.0
5935.0	1.68492	95.7	98.2	99.1	100.0	98.7	99.2	100.0	98.6	99.4	99.5	100.0	100.0	100.0
5935.2	1.68486	95.8	98.3	99.1	100.0	98.8	99.1	100.0	98.6	99.4	99.5	100.0	100.0	100.0
5935.4	1.68481	95.7	98.3	99.1	100.0	98.6	99.1	100.0	98.6	99.4	99.5	100.0	100.0	100.0
5935.6	1.68475	95.4	98.2	99.1	100.0	98.3	99.1	100.0	98.6	99.4	99.5	100.0	100.0	100.0
5935.8	1.68469	95.1	98.2	99.1	100.0	98.1	99.1	100.0	98.6	99.3	99.5	100.0	100.0	100.0
5936.0	1.68464	95.0	98.1	99.1	100.0	98.0	99.0	100.0	98.6	99.3	99.5	100.0	100.0	100.0
5936.2	1.68458	95.1	98.1	99.1	100.0	97.9	97.9	100.0	98.6	99.3	99.5	100.0	100.0	100.0
5936.4	1.68452	95.1	98.0	99.1	100.0	97.9	97.9	100.0	98.6	99.3	99.5	100.0	100.0	100.0
5936.6	1.68447	95.3	97.9	99.1	100.0	98.1	97.9	100.0	98.7	99.3	99.5	100.0	100.0	100.0
5936.8	1.68441	95.5	97.9	99.1	100.0	98.2	97.9	100.0	98.7	99.3	99.5	100.0	100.0	100.0
5937.0	1.68435	95.7	97.8	99.1	99.9	98.2	97.9	100.0	98.7	99.3	99.5	100.0	100.0	100.0
5937.2	1.68430	95.3	97.7	99.0	99.9	98.2	97.8	100.0	98.7	99.3	99.5	100.0	100.0	100.0
5937.4	1.68424	95.0	97.6	99.0	99.9	98.0	97.6	100.0	98.7	99.3	99.5	100.0	100.0	100.0
5937.6	1.68418	94.8	97.6	98.9	99.9	98.0	97.6	100.0	98.7	99.3	99.5	100.0	100.0	100.0
5937.8	1.68413	94.9	97.6	98.9	99.9	98.1	97.7	100.0	98.8	99.3	99.7	100.0	100.0	100.0
5938.0	1.68407	95.0	97.6	98.8	99.9	98.2	97.9	100.0	98.8	99.3	99.7	100.0	100.0	100.0
5938.2	1.68401	95.0	97.6	98.8	99.9	98.2	97.9	100.0	98.8	99.3	99.7	100.0	100.0	100.0
5938.4	1.68396	95.0	97.6	98.9	99.9	98.2	97.8	100.0	98.8	99.3	99.7	100.0	100.0	100.0
5938.6	1.68390	95.0	97.6	98.9	99.8	98.2	97.6	100.0	98.7	99.3	99.7	100.0	100.0	100.0
5938.8	1.68384	94.9	97.5	98.9	99.8	98.1	97.5	100.0	98.7	99.3	99.7	100.0	100.0	100.0
5939.0	1.68379	94.2	97.3	98.9	99.8	97.9	97.4	100.0	98.7	99.3	99.7	100.0	100.0	100.0
5939.2	1.68373	93.7	97.1	98.9	99.8	97.8	97.3	100.0	98.6	99.3	99.7	100.0	100.0	100.0
5939.4	1.68367	93.9	97.2	98.9	99.8	97.9	97.3	100.0	98.6	99.3	99.7	100.0	100.0	100.0
5939.6	1.68362	93.9	97.2	98.9	99.8	97.9	97.5	100.0	98.6	99.3	99.7	100.0	100.0	100.0
5939.8	1.68356	94.0	97.3	98.9	99.8	98.0	97.8	100.0	98.6	99.3	99.7	100.0	100.0	100.0
5940.0	1.68350	94.2	97.3	98.9	99.8	98.0	98.0	100.0	98.5	99.3	99.7	100.0	100.0	100.0
5940.2	1.68345	94.3	97.4	98.9	99.8	97.9	97.8	100.0	98.5	99.3	99.7	100.0	100.0	100.0
5940.4	1.68339	94.3	97.4	98.9	99.7	97.5	97.4	100.0	98.5	99.3	99.7	100.0	100.0	100.0
5940.6	1.68333	94.3	97.2	98.8	99.7	97.4	97.2	100.0	98.5	99.3	99.7	100.0	100.0	100.0
5940.8	1.68327	94.1	97.1	98.8	99.7	97.4	97.2	100.0	98.4	99.3	99.7	100.0	100.0	100.0
5941.0	1.68322	93.8	97.1	98.8	99.7	97.3	97.2	100.0	98.4	99.2	99.7	100.0	100.0	100.0
5941.2	1.68316	93.5	97.2	98.8	99.7	97.4	97.2	100.0	98.4	99.2	99.7	100.0	100.0	100.0
5941.4	1.68310	93.1	97.3	98.8	99.7	97.5	97.4	100.0	98.3	99.2	99.7	100.0	100.0	100.0
5941.6	1.68305	93.4	97.1	98.8	99.7	97.7	97.7	100.0	98.3	99.2	99.7	100.0	100.0	100.0
5941.8	1.68299	93.7	97.1	98.8	99.7	97.9	97.6	100.0	98.3	99.2	99.7	100.0	100.0	100.0

5911.	1.49113	99.5	99.7	100.0	100.0	100.0	100.0	100.0	99.9	100.	100.0	10 .0	100.0	5942.	1.48294	94.0	97.0	98.8	99.7	97.9	97.3	100.0	98.5	99.	99.7	10 .0	100.0
5911.2	1.49111	99.5	99.7	100.0	100.0	100.0	100.0	100.0	99.9	100.	100.0	10 .0	100.0	5942.2	1.48288	93.9	96.9	98.7	99.5	97.8	97.2	100.0	98.5	99.1	99.7	10 .0	100.0
5911.4	1.49107	99.5	99.7	100.0	100.0	100.0	100.0	100.0	99.9	100.0	100.0	10 .0	100.0	5942.4	1.48282	93.6	96.8	98.7	99.5	97.5	97.2	99.9	98.5	99.1	99.7	10 .0	100.0
5911.6	1.49102	99.5	99.7	100.0	100.0	100.0	99.9	100.0	99.9	100.0	100.0	10 .0	100.0	5942.6	1.48277	93.4	96.8	98.7	99.5	97.5	97.2	99.9	98.5	99.1	99.7	10 .0	100.0
5911.8	1.49096	99.5	99.7	100.0	100.0	100.0	99.9	100.0	99.9	100.0	100.0	10 .0	100.0	5942.8	1.48271	93.4	96.8	98.7	99.5	97.5	97.2	99.9	98.5	99.1	99.7	10 .0	100.0
5912.	1.49090	99.4	99.7	100.0	100.0	100.0	99.9	100.0	99.9	100.0	100.0	10 .0	100.0	5943.	1.48265	93.3	96.8	98.7	99.5	97.1	97.2	99.9	98.5	99.1	99.7	10 .0	100.0
5912.2	1.49085	99.4	99.7	100.0	100.0	100.0	99.9	100.0	99.9	100.0	100.0	10 .0	100.0	5943.2	1.48260	93.3	96.9	98.7	99.5	97.3	97.2	99.9	98.5	99.1	99.7	10 .0	100.0
5912.4	1.49079	99.4	99.7	100.0	100.0	100.0	99.9	100.0	99.9	100.0	100.0	10 .0	100.0	5943.4	1.48254	93.2	96.8	98.6	99.5	97.5	97.0	99.9	98.5	99.1	99.6	10 .0	100.0
5912.6	1.49073	99.4	99.5	100.0	100.0	100.0	99.9	100.0	99.7	100.0	100.0	10 .0	100.0	5943.6	1.48248	93.1	96.7	98.6	99.5	97.5	96.9	99.9	98.3	99.1	99.5	10 .0	100.0
5912.8	1.49067	99.4	99.5	100.0	100.0	100.0	99.9	100.0	99.7	100.0	100.0	10 .0	100.0	5943.8	1.48243	93.0	96.7	98.6	99.5	97.5	96.8	99.9	98.3	99.1	99.5	10 .0	100.0
5913.	1.49062	99.4	99.5	100.0	100.0	100.0	99.8	100.0	99.7	100.0	100.0	10 .0	100.0	5944.	1.48237	92.9	96.5	98.6	99.5	97.4	96.7	99.9	98.3	99.1	99.5	10 .0	100.0
5913.2	1.49056	99.4	99.5	100.0	100.0	100.0	99.8	100.0	99.7	100.0	100.0	10 .0	100.0	5944.2	1.48231	92.8	96.5	98.6	99.5	97.2	96.9	99.9	98.3	99.1	99.5	10 .0	100.0
5913.4	1.49050	99.4	99.5	100.0	100.0	100.0	99.8	100.0	99.7	100.0	100.0	10 .0	100.0	5944.4	1.48226	92.8	96.5	98.6	99.5	97.1	96.9	99.9	98.2	99.1	99.5	10 .0	100.0
5913.6	1.49045	99.3	99.5	100.0	100.0	100.0	99.8	100.0	99.7	100.0	100.0	10 .0	100.0	5944.6	1.48220	92.7	96.7	98.6	99.5	97.2	97.1	99.9	98.2	99.1	99.5	10 .0	100.0
5913.8	1.49039	99.3	99.5	100.0	100.0	100.0	99.8	100.0	99.7	100.0	100.0	10 .0	100.0	5944.8	1.48214	92.7	96.7	98.6	99.5	97.3	97.3	99.9	98.2	99.1	99.5	10 .0	100.0
5914.0	1.49033	99.3	99.5	100.0	100.0	100.0	99.7	100.0	99.7	100.0	100.0	10 .0	100.0	5945.0	1.48209	92.8	96.8	98.6	99.5	97.4	97.2	99.9	98.2	99.1	99.5	10 .0	100.0
5914.2	1.49027	99.3	99.5	100.0	100.0	100.0	99.7	100.0	99.7	100.0	100.0	10 .0	100.0	5945.2	1.48203	92.9	96.9	98.6	99.5	97.4	97.1	99.9	98.2	99.1	99.5	10 .0	100.0
5914.4	1.49022	99.3	99.5	100.0	100.0	100.0	99.7	100.0	99.7	100.0	100.0	10 .0	100.0	5945.4	1.48197	92.8	96.9	98.6	99.5	97.4	97.0	99.9	98.2	99.1	99.5	10 .0	100.0
5914.6	1.49016	99.2	99.5	100.0	100.0	100.0	99.7	100.0	99.7	100.0	100.0	10 .0	100.0	5945.6	1.48192	92.7	96.8	98.6	99.5	97.4	97.0	99.9	98.2	99.0	99.5	10 .0	100.0
5914.8	1.49010	99.1	99.5	100.0	100.0	100.0	99.7	100.0	99.7	100.0	100.0	10 .0	100.0	5945.8	1.48184	92.6	96.8	98.6	99.5	97.4	96.9	99.9	98.2	99.0	99.4	10 .0	100.0
5915.	1.49005	99.1	99.5	100.0	100.0	100.0	99.7	100.0	99.7	100.0	100.0	10 .0	100.0	5946.0	1.48180	92.6	96.8	98.6	99.5	97.4	97.0	99.9	98.2	99.0	99.4	10 .0	100.0
5915.2	1.48999	99.1	99.5	100.0	100.0	100.0	99.6	100.0	99.7	99.9	100.0	10 .0	100.0	5946.2	1.48175	92.6	96.8	98.5	99.5	97.4	97.3	99.9	98.2	99.0	99.4	10 .0	100.0
5915.4	1.48993	99.1	99.5	100.0	100.0	100.0	99.6	100.0	99.7	99.9	100.0	10 .0	100.0	5946.4	1.48169	92.5	96.8	98.5	99.5	97.5	97.6	99.9	98.2	99.0	99.4	10 .0	100.0
5915.6	1.48987	99.1	99.5	100.0	100.0	100.0	99.6	100.0	99.7	99.9	100.0	10 .0	100.0	5946.6	1.48163	92.5	96.8	98.5	99.5	97.5	97.4	99.9	98.1	99.0	99.3	10 .0	100.0
5915.8	1.48982	98.9	99.5	100.0	100.0	100.0	99.6	100.0	99.7	99.9	100.0	10 .0	100.0	5946.8	1.48158	92.5	96.8	98.5	99.5	97.5	97.0	99.9	98.1	99.0	99.3	10 .0	100.0
5916.0	1.48974	98.9	99.4	100.0	100.0	99.9	99.6	100.0	99.6	99.9	100.0	10 .0	100.0	5947.0	1.48152	92.5	96.8	98.5	99.5	97.7	97.0	99.9	98.1	99.0	99.3	10 .0	100.0
5916.2	1.48970	98.9	99.4	100.0	100.0	99.9	99.6	100.0	99.6	99.9	100.0	10 .0	100.0	5947.2	1.48146	92.5	96.8	98.5	99.5	97.7	96.9	99.9	98.1	99.0	99.3	10 .0	100.0
5916.4	1.48965	98.9	99.4	100.0	100.0	99.7	99.5	100.0	99.6	99.9	100.0	10 .0	100.0	5947.4	1.48141	92.4	96.7	98.5	99.5	97.7	97.0	99.9	98.1	99.0	99.3	10 .0	100.0
5916.6	1.48959	98.9	99.4	100.0	100.0	99.6	99.5	100.0	99.6	99.9	100.0	10 .0	100.0	5947.6	1.48135	92.4	96.7	98.5	99.5	97.8	97.0	99.9	98.1	99.0	99.3	10 .0	100.0
5916.8	1.48953	98.7	99.4	100.0	100.0	99.6	99.5	100.0	99.6	99.9	100.0	10 .0	100.0	5947.8	1.48129	92.4	96.7	98.5	99.5	97.9	97.0	99.9	98.0	98.9	99.2	10 .0	100.0
5917.0	1.48947	98.7	99.4	100.0	100.0	99.6	99.5	100.0	99.5	99.9	100.0	10 .0	100.0	5948.0	1.48124	92.4	96.7	98.5	99.5	97.9	96.9	99.9	98.0	98.9	99.2	10 .0	100.0
5917.2	1.48942	98.5	99.4	100.0	100.0	99.5	99.5	100.0	99.5	99.9	100.0	10 .0	100.0	5948.2	1.48118	92.4	96.7	98.5	99.5	97.9	96.8	99.9	98.0	98.8	99.2	10 .0	100.0
5917.4	1.48936	98.5	99.4	100.0	100.0	99.5	99.5	100.0	99.5	99.9	100.0	10 .0	100.0	5948.4	1.48112	92.5	96.7	98.5	99.5	97.9	96.8	99.9	98.0	98.8	99.2	10 .0	100.0
5917.6	1.48930	98.4	99.4	100.0	100.0	99.5	99.4	100.0	99.5	99.9	100.0	10 .0	100.0	5948.6	1.48107	92.5	96.7	98.5	99.5	97.9	96.8	99.9	98.0	98.8	99.2	10 .0	100.0
5917.8	1.48925	98.3	99.3	100.0	100.0	99.5	99.4	100.0	99.5	99.9	100.0	10 .0	100.0	5948.8	1.48101	92.5	96.7	98.5	99.5	97.9	96.9	99.9	98.0	98.8	99.2	10 .0	100.0
5918.0	1.48919	98.3	99.3	100.0	100.0	99.5	99.4	100.0	99.5	99.9	100.0	10 .0	100.0	5949.0	1.48095	92.6	96.7	98.5	99.5	97.9	96.9	99.9	98.0	98.8	99.2	10 .0	100.0
5918.2	1.48913	98.3	99.3	100.0	100.0	99.5	99.4	100.0	99.5	99.8	100.0	10 .0	100.0	5949.2	1.48090	92.7	96.7	98.5	99.5	97.9	97.0	99.9	98.0	98.8	99.2	10 .0	100.0
5918.4	1.48909	98.4	99.3	100.0	100.0	99.5	99.4	100.0	99.5	99.8	100.0	10 .0	100.0	5949.4	1.48084	92.5	96.7	98.6	99.5	97.9	97.0	99.9	98.0	98.8	99.2	10 .0	100.0
5918.6	1.48903	98.4	99.3	100.0	100.0	99.5	99.4	100.0	99.5	99.8	100.0	10 .0	100.0	5949.6	1.48079	92.3	96.7	98.6	99.5	97.9	97.0	99.9	98.0	98.8	99.2	10 .0	100.0
5918.8	1.48896	98.4	99.3	100.0	100.0	99.5	99.3	100.0	99.5	99.8	100.0	10 .0	100.0	5949.8	1.48073	92.2	96.7	98.6	99.5	97.9	96.9	99.9	98.0	98.8	99.2	10 .0	100.0
5919.0	1.48890	98.4	99.3	100.0	100.0	99.5	99.3	100.0	99.5	99.8	100.0	10 .0	100.0	5950.0	1.48067	92.1	96.8	98.6	99.5	97.9	96.9	99.9	97.9	98.8	99.3	10 .0	100.0
5919.2	1.48885	98.4	99.3	100.0	100.0	99.5	99.3	100.0	99.5	99.8	100.0	10 .0	100.0	5950.2	1.48062	92.0	96.9	98.6	99.5	98.0	96.8	99.9	97.9	98.8	99.3	10 .0	100.0
5919.4	1.48879	98.3	99.3	100.0	100.0	99.5	99.3	100.0	99.5	99.8	100.0	10 .0	100.0	5950.4	1.48056	92.1	96.9	98.6	99.5	98.0	96.8	99.9	97.9	98.8	99.3	10 .0	100.0
5919.6	1.48873	98.3	99.2	100.0	100.0	99.4	99.3	100.0	99.5	99.8	100.0	10 .0	100.0	5950.6	1.48050	92.3	96.9	98.6	99.5	98.1	96.8	99.9	97.9	98.8	99.3	10 .0	100.0
5919.8	1.48868	98.3	99.2	100.0	100.0	99.4	99.3	100.0	99.5	99.8	100.0	10 .0	100.0	5950.8	1.48045	92.5	96.9	98.6	99.5	98.1	96.9	99.9	97.9	98.8	99.3	10 .0	100.0
5920.	1.48862	98.3	99.2	100.0	100.0	99.4	99.2	100.0	99.5	99.8	100.0	10 .0	100.0	5951.0	1.48039	92.5	96.9	98.6	99.5	98.2	96.9	99.9	97.9	98.8	99.3	10 .0	100.0
5920.2	1.48856	98.3	99.2	100.0	100.0	99.3	99.2	100.0	99.5	99.8	100.0	10 .0	100.0	5951.2	1.48033	92.5	96.9	98.6	99.5	98.2	96.9	99.9	98.0	98.7	99.3	10 .0	100.0
5920.4	1.48850	98.3	99.2	100.0	100.0	99.3	99.2	100.0	99.5	99.8	100.0	10 .0	100.0	5951.4	1.48028	92.5	96.9	98.6	99.5	98.3	96.9	99.9	98.0	98.7	99.3	10 .0	100.0
5920.6	1.48845	98.3	99.2	99.9	100.0	99.3	99.2	100.0	99.5	99.8	100.0	10 .0	100.0	5951.6	1.48022	92.5	96.9	98.5	99.5	98.3	96.9	99.9	98.0	98.7	99.3	10 .0	100.0
5920.8	1.48839	98.3	99.2	99.9	100.0	99.3	99.2	100.0	99.5	99.8	100.0	10 .0	100.0	5951.8	1.48016	92.7	96.9	98.5	99.5	98.3	96.9	99.9	98.0	98.7	99.3	10 .0	100.0
5921.0	1.48833	98.3	99.2	99.9	100.0	99.3	99.2	100.0	99.5	99.8	100.0	10 .0	100.0	5952.0	1.48011	92.8	96.9	98.5	99.5	98.4	96.9	99.7	98.0	98.7	99.3	10 .0	100.0
5921.2	1.48828	98.3	99.1	99.9	100.0	99.3	99.1	100.0	99.5	99.8	100.0	10 .0	100.0	5952.2	1.48005	92.5	96.9	98.5	99.5	98.4	96.9	99.7	98.0	98.7	99.4	10 .0	100.0
5921.4	1.48822	98.3	99.1	99.9	100.0	99.3	99.1	100.0	99.5	99.7	100.0	10 .0	100.0	5952.4	1.47999	92.5	96.9	98.5	99.5	98.5	96.9	99.7	98.0	98.7	99.4	10 .0	100.0
5921.6	1.48815	98.2	99.1	99.9	100.0	99.2	99.1	100.0	99.5	99.7	100.0	10 .0	100.0	5952.6	1.47994	92.5	96.9	98.5	99.5	98.5	96.9	99.7	98.0	98.7	99.4	10 .0	100.0
5921.8	1.48811	98.2	99.1	99.9	100.0	99.2	99.1	100.0	99.5	99.7	100.0	10 .0	100.0	5952.8	1.47988	92.5	96.9	98.5	99.5	98.5	96.9	99.7	98.0	98.7	99.4	10 .0	100.0
5922.0	1.48805	98.2	99.1	99.8	100.0	99.1	99.1	100.0	99.5	99.7	100.0	10 .0	100.0	5953.0	1.47983	92.5	96.7	98.5	99.5	98.5	96.8	99.7	98.0	98.7	99.4	10 .0	100.0
5922.2	1.48799	98.1	99.1	99.8	100.0	99.1	99.1	100.0	99.4	99.7	100.0	10 .0	100.0	5953.2	1.47977	92.5	96.7	98.5	99.5	98.5	96.8	99.7	98.0	98.7	99.4	10 .0	100.0
5922.4	1.48793	98.1	99.1	99.8	100.0	99.1	99.0	100.0	99.4	99.7	100.0	10 .0	100.0	5953.4	1.47971	92.9	96.7	98.5	99.5	98.5	96.8	99.7	98.0	98.8	99.5	10 .0	100.0
5922.6	1.48788	98.1	99.1	99.8	100.0	99.1	99.0	100.0	99.4	99.7	100.0	10 .0	100.0	5953.6	1.47966	92.9	96.7	98.5	99.5	98.4	96.8	99.7	98.0	98.8	99.5	10 .0	100.0
5922.8	1.48782	98.1	99.1	99.8	100.0	99.1	99.0	100.0	99.3	99.7	100.0	10 .0	100.0	5953.8	1.47960	92.9	96.7	98.5	99.5	98.4	96.8	99.7	98.0	98.8	99.5	10 .0	100.0
5923.0	1.48776	98.1	99.0	99.8	100.0	99.1	99.0	100.0	99.3	99.7	100.0	10 .0	100.0	5954.0	1.47954	92.5	96.7	98.5	99.5	98.4	97.0	99.7	98.0	98.8	99.5	10 .0	100.0
5923.2	1.48771	98.0	99.0	99.8	100.0	99.1	99.0	100.0	99.3	99.7	100.0	10 .0	100.0	5954.2	1.47949	92.5	96.7	98.5	99.5	98.3	97.2	99.7	98.0	98.8	99.5	10 .0	100.0
5923.4	1.48765	98.0	99.0	99.8	100.0	99.1	99.0	100.0	99.3	99.7	100.0	10 .0	100.0	5954.4	1.47943	92.9	96.7	98.5	99.5	98.3	97.4	99.7	98.0	98.9	99.5	10 .0	100.0
5923.6	1.48759	97.9	99.0	99.7	100.0	99.1	99.0	100.0	99.2	99.7	100.0	10 .0	100.0	5954.6	1.47937	93.0	96.7	98.5	99.5	98.3	97.4	99.7	98.0	98.9	99.5	10 .0	100.0
5923.8	1.48754	97.9	99.0	99.7	100.0	99.1	99.0	100.0	99.2	99.7	100.0	10 .0	100.0	5954.8	1.47932	93.0	96.7	98.5	99.5	98.2	97.4	99.7	98.0	98.9	99.5	10 .0	100.0
5924.0	1.48748	97.8	99.0	99.7	100.0	99.2	99.0	100.0	99.2	99.7	100.0	10 .0	100.0	5955.0	1.47926	93.1	96.9	98.5	99.5	98.2	97.3	99.7	98.0	98.9	99.5	10 .0	100.0
5924.2	1.48742	97.8	99.0	99.7	100.0	99.2	99.0	100.0	99.2	99.7	100.0	10 .0	100.0	5955.2	1.47920	93.1	96.9	98.5	99.5	98.1	97.2	99.7	98.0	98.9	99.5	10 .0	100.0
5924.4	1.48737	97.7	99.0	99.7	100.0	99.2	99.0	100.0	99.2	99.6	100.0	10 .0	100.0	5955.4	1.47915	93.1	96.9	98.5	99.5	98.1	97.0	99.7	98.0	98.9	99.5	10 .0	100.0
5924.6	1.48731	97.6	99.0	99.7	100.0	99.2	99.0	100.0	99.2	99.6	100.0	10 .0	100.0	5955.6	1.47909	93.1	96.9	98.5	99.5	98.1	97.0	99.7	98.0	98.9	99.5	10 .0	100.0
5924.8	1.48725	97.5	98.9	99.7	100.0	99.2	99.0	100.0	99.1	99.6	100.0	10 .0	100.0	5955.8	1.47904	93.1	97.0	98.5	99.5	98.1	97.1	99.7	98.0	98.9	99.5	10 .0	100.0
5925.0	1.48719	97.3	98.9	99.6	100.0	99.1	99.0	100.0	99.1	99.6	100.0	10 .0	100.0	5956.0	1.47898	93.1	97.0	98.4	99.5	98.1	97.1	99.7	98.0	98.9	99.5	10 .0	100.0
5925.2	1.48714	97.3	98.9	99.6	100.0	99.0	99.0	100.0	99.1	99.6	100.0	10 .0	100.0	5956.2	1.47892	93.0	97.0	98.4	99.5	98.1	97.0	99.7	98.0	98.9	99.5	10 .0	100.0
5925.4	1.48708	97.2	98.9	99.6	100.0	98.9	99.0	100.0	99.1	99.6	100.0	10 .0	100.0	5956.4	1.47887	93.0	97.0	98.4	99.5	98.1	97.0	99.7	98.0	98.9	99.5	10 .0	100.0
5925.6	1.48702	97.2	98.9	99.6	100.0	98.7	99.0	100.0	99.1	99.6	99.9	10 .0	100.0	5956.6	1.47881	93.0	96.9	98.4	99.5	98.1	96.9	99.7	98.0	98.9	99.7	10 .0	100.0
5925.8	1.48697	97.2	98.9	99.6	100.0	98.5	99.0	100.0	99.0	99.6	99.9	10 .0	100.0	5956.8	1.47875	93.0	96.9	98.4	99.5	98.1	96.9	99.5	98.0	98.9	99.7	10 .0	100.0
5926.0	1.48691	97.2	98.9	99.6	100.0	98.7	99.7	100.0	99.0	99.6	99.9	10 .0	100.0	5957.0	1.47870	93.0	96.8	98.4	99.5	98.0	96.8	99.5	98.0	98.9	99.7	10 .0	100.0
5926.2	1.48685	97.2	98.9	99.6	100.0	98.7	99.7	100.0	99.0	99.6	99.9	10 .0	100.0	5957.2	1.47864	93.2	96.9	98.4	99.5	98.0	96.9	99.5	98.0	98.9	99.7	10 .0	100.0
5926.4	1.48680	97.1	98.9	99.6	100.0	98.9	99.7	100.0	99.0	99.6	99.9	10 .0	100.0	5957.4	1.47858	93.3	97.0	98.4	99.5	97.9	97.0	99.5	98.0	98.9	99.7	10 .0	100.0
5926.6	1.48674	96.9	98.9	99.5	100.0	99.1	99.7	100.0	99.0	99.6	99.9	10 .0	100.0	5957.6	1.47853	93.3	97.0	98.4	99.5	97.9	97.2	99.5	98.0	98.9	99.7	10 .0	100.0
5926.8	1.48668	96.9	98.9	99.5	100.0	99.0	99.7	100.0	98.9	99.6	99.9	10 .0	100.0	5957.8	1.47847	93.4	96.9	98.4	99.5	97.9	97.3	99.5	98.0	98.9	99.7	10 .0	100.0

Table 4-1 (cont'd)

Sam. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
p(atm)	2.50 $\times 10^0$	2.53 $\times 10^0$	2.53 $\times 10^0$	2.50 $\times 10^0$	2.00 $\times 10^0$	1.00 $\times 10^0$	1.00 $\times 10^0$	1.46 $\times 10^1$	1.00 $\times 10^1$	1.00 $\times 10^1$	1.00 $\times 10^1$	1.00 $\times 10^0$	2.30 $\times 10^{-1}$	2.30 $\times 10^{-1}$	1.16 $\times 10^{-1}$	2.20 $\times 10^{-2}$	2.20 $\times 10^{-2}$	2.20 $\times 10^{-2}$
P_e(atm)	3.29 $\times 10^0$	3.32 $\times 10^0$	3.32 $\times 10^0$	3.29 $\times 10^0$	2.62 $\times 10^0$	1.31 $\times 10^0$	1.31 $\times 10^0$	2.03 $\times 10^1$	1.36 $\times 10^1$	1.36 $\times 10^1$	1.36 $\times 10^1$	1.36 $\times 10^1$	9.99 $\times 10^{-1}$	3.00 $\times 10^{-1}$	1.50 $\times 10^{-1}$	1.001 $\times 10^0$	3.03 $\times 10^{-1}$	1.001 $\times 10^{-1}$
u (atm cm) STP	2.17 $\times 10^5$	1.10 $\times 10^5$	5.57 $\times 10^4$	2.80 $\times 10^4$	8.71 $\times 10^4$	8.62 $\times 10^4$	2.19 $\times 10^4$	4.73 $\times 10^4$	3.16 $\times 10^4$	1.59 $\times 10^4$	7.93 $\times 10^3$	3.99 $\times 10^3$	9.94 $\times 10^3$	9.94 $\times 10^3$	9.94 $\times 10^3$	3.32 $\times 10^3$	3.32 $\times 10^3$	3.32 $\times 10^3$

ν (cm^{-1})	λ (micron)	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100
5988.1	1.67842	93.5	96.9	98.4	99.5	97.9	97.3	99.5	98.0	98.4	99.7	100.0	100.0	100.0	100.0				
5988.2	1.67836	93.5	96.8	98.4	99.5	98.0	97.3	99.5	98.0	98.4	99.7	100.0	100.0	100.0	100.0				
5988.4	1.67830	93.4	96.7	98.4	99.5	98.0	97.3	99.5	98.0	98.4	99.7	100.0	100.0	100.0	100.0				
5988.6	1.67825	93.4	96.6	98.4	99.5	97.9	97.2	99.5	98.0	98.4	99.7	100.0	100.0	100.0	100.0				
5988.8	1.67819	93.4	96.6	98.4	99.5	97.9	97.2	99.5	98.0	98.4	99.7	100.0	100.0	100.0	100.0				
5989.	1.67813	93.4	96.6	98.4	99.5	97.8	97.2	99.5	98.0	98.4	99.8	100.0	100.0	100.0	100.0				
5989.2	1.67808	93.4	96.6	98.4	99.5	97.8	97.2	99.5	98.0	98.4	99.8	100.0	100.0	100.0	100.0				
5989.4	1.67802	93.4	96.6	98.3	99.7	97.7	97.2	99.5	98.0	98.4	99.8	100.0	100.0	100.0	100.0				
5989.6	1.67796	93.5	96.7	98.3	99.7	97.7	97.1	99.5	98.1	98.4	99.8	100.0	100.0	100.0	100.0				
5989.8	1.67791	93.5	96.7	98.3	99.7	97.6	97.0	99.5	98.0	98.4	99.8	100.0	100.0	100.0	100.0				
5990.0	1.67785	93.3	96.7	98.3	99.7	97.6	96.9	99.5	98.0	98.4	99.8	100.0	100.0	100.0	100.0				
5990.2	1.67780	93.2	96.7	98.3	99.7	97.5	96.8	99.5	98.0	98.4	99.8	100.0	100.0	100.0	100.0				
5990.4	1.67774	93.1	96.7	98.3	99.7	97.5	96.7	99.5	98.0	98.4	99.8	100.0	100.0	100.0	100.0				
5990.6	1.67768	93.0	96.7	98.3	99.6	97.4	96.6	99.5	98.0	98.4	99.8	100.0	100.0	100.0	100.0				
5990.8	1.67763	92.8	96.7	98.3	99.6	97.4	96.6	99.5	98.0	98.4	99.8	100.0	100.0	100.0	100.0				
5991.	1.67757	92.7	96.6	98.3	99.6	97.3	96.5	99.5	98.0	98.4	99.8	100.0	100.0	100.0	100.0				
5991.2	1.67751	92.7	96.6	98.3	99.6	97.2	96.4	99.5	97.9	98.4	99.8	100.0	100.0	100.0	100.0				
5991.4	1.67746	92.6	96.4	98.2	99.6	97.1	96.3	99.5	97.9	98.4	99.8	100.0	100.0	100.0	100.0				
5991.6	1.67740	92.4	96.2	98.2	99.6	97.0	96.3	99.5	97.9	98.4	99.8	100.0	100.0	100.0	100.0				
5991.8	1.67735	92.2	96.0	98.1	99.6	96.9	96.2	99.5	97.8	98.4	99.8	100.0	99.8	100.0	100.0				
5992.0	1.67729	92.0	95.9	98.1	99.6	96.7	96.0	99.5	97.8	98.4	99.8	100.0	99.7	100.0	100.0				
5992.2	1.67723	91.8	95.9	98.1	99.6	96.7	95.9	99.5	97.7	98.4	99.8	100.0	99.7	100.0	100.0				
5992.4	1.67718	91.6	95.9	98.1	99.6	96.6	95.9	99.5	97.7	98.4	99.8	100.0	99.8	100.0	100.0				
5992.6	1.67712	91.4	95.9	98.0	99.6	96.5	95.8	99.5	97.6	98.4	99.8	100.0	99.8	100.0	100.0				
5992.8	1.67706	91.1	95.8	97.9	99.5	96.3	95.8	99.5	97.5	98.4	99.8	100.0	99.9	100.0	100.0				
5993.0	1.67701	90.8	95.7	97.9	99.5	96.2	95.8	99.5	97.5	98.4	99.8	100.0	99.8	100.0	100.0				
5993.2	1.67695	90.5	95.5	97.8	99.5	96.0	95.8	99.5	97.5	98.4	99.8	100.0	99.7	100.0	100.0				
5993.4	1.67690	90.3	95.4	97.7	99.5	95.9	95.7	99.5	97.5	98.3	99.8	100.0	99.6	100.0	100.0				
5993.6	1.67684	90.3	95.2	97.7	99.5	95.8	95.6	99.5	97.5	98.4	99.7	100.0	99.7	100.0	100.0				
5993.8	1.67678	90.1	95.1	97.6	99.5	95.7	95.5	99.5	97.5	98.4	99.7	100.0	99.8	100.0	100.0				
5994.0	1.67673	89.9	94.9	97.5	99.5	95.6	95.4	99.5	97.5	98.4	99.7	100.0	99.9	100.0	100.0				
5994.2	1.67667	89.7	94.7	97.4	99.4	95.5	95.3	99.5	97.4	98.4	99.7	100.0	99.8	100.0	100.0				
5994.4	1.67661	89.5	94.6	97.4	99.4	95.5	95.3	99.5	97.4	98.4	99.7	100.0	99.7	99.9	100.0				
5994.6	1.67656	89.4	94.5	97.3	99.4	95.4	95.3	99.5	97.4	98.4	99.7	100.0	99.7	99.9	100.0				
5994.8	1.67650	89.2	94.5	97.3	99.4	95.4	95.3	99.5	97.3	98.4	99.7	99.9	99.6	99.9	100.0				
5995.0	1.67645	89.0	94.5	97.2	99.4	95.4	95.2	99.5	97.3	98.4	99.7	99.9	99.6	99.9	100.0	100.0	100.0	100.0	
5995.2	1.67639	88.8	94.5	97.2	99.4	95.3	95.0	99.5	97.3	98.4	99.6	99.9	99.6	99.9	100.0	100.0	100.0	100.0	
5995.4	1.67633	88.7	94.5	97.2	99.4	95.3	94.9	99.5	97.3	98.4	99.6	99.9	99.6	99.9	100.0	100.0	100.0	100.0	
5995.6	1.67628	88.5	94.4	97.1	99.4	95.2	94.7	99.5	97.3	98.3	99.6	99.9	99.6	99.9	100.0	100.0	100.0	100.0	
5995.8	1.67622	88.5	94.3	97.0	99.4	95.1	94.6	99.5	97.3	98.3	99.6	99.9	99.6	99.9	100.0	100.0	100.0	100.0	
5996.0	1.67616	88.3	94.2	96.9	99.3	95.0	94.5	99.5	97.3	98.2	99.4	99.9	99.6	99.9	100.0	100.0	100.0	100.0	
5996.2	1.67611	88.1	94.1	96.8	99.3	95.0	94.5	99.5	97.3	98.2	99.4	99.9	99.6	99.9	100.0	100.0	100.0	100.0	
5996.4	1.67605	87.9	94.1	96.8	99.3	95.1	94.6	99.4	97.2	98.1	99.4	99.9	99.6	99.9	100.0	100.0	100.0	100.0	
5996.6	1.67600	87.8	94.1	96.8	99.3	95.1	94.6	99.4	97.2	98.0	99.3	99.9	99.6	99.9	100.0	100.0	100.0	100.0	
5996.8	1.67594	87.7	94.1	96.8	99.2	95.2	94.5	99.4	97.2	98.0	99.3	99.9	99.6	99.9	100.0	100.0	100.0	100.0	
5997.0	1.67588	87.5	94.1	96.8	99.2	95.3	94.5	99.4	97.1	97.9	99.3	99.8	100.0	99.6	99.9	100.0	100.0	100.0	
5997.2	1.67583	87.5	93.8	96.7	99.2	94.9	94.3	99.4	97.1	97.9	99.3	99.8	100.0	99.5	99.9	100.0	100.0	100.0	
5997.4	1.67577	87.4	93.5	96.7	99.1	94.7	94.1	99.4	97.0	97.9	99.3	99.8	100.0	99.5	99.9	100.0	100.0	100.0	
5997.6	1.67572	87.2	93.5	96.7	99.1	94.5	93.6	99.4	96.9	97.8	99.3	99.8	100.0	99.7	99.8	100.0	100.0	100.0	
5997.8	1.67566	87.0	93.5	96.7	99.1	94.6	93.7	99.4	96.9	97.8	99.2	99.8	100.0	99.7	99.8	100.0	100.0	100.0	
5998.0	1.67560	86.9	93.5	96.7	99.1	94.7	93.9	99.4	96.8	97.7	99.2	99.8	100.0	99.7	99.8	100.0	100.0	100.0	
5998.2	1.67555	86.8	93.5	96.7	99.1	94.9	94.2	99.4	96.7	97.7	99.2	99.8	100.0	99.8	99.8	100.0	100.0	100.0	
5998.4	1.67549	86.9	93.5	96.6	99.1	95.2	94.5	99.4	96.7	97.7	99.2	99.8	100.0	99.8	99.8	100.0	100.0	100.0	
5998.6	1.67543	87.1	93.7	96.6	99.1	95.2	94.5	99.4	96.5	97.7	99.2	99.8	100.0	99.8	99.8	100.0	100.0	100.0	
5998.8	1.67538	87.3	93.7	96.6	99.1	94.9	94.3	99.4	96.5	97.7	99.2	99.8	100.0	99.8	99.8	100.0	100.0	100.0	
5999.0	1.67532	86.9	93.2	96.6	99.1	94.4	93.9	99.4	96.5	97.6	99.1	99.8	100.0	99.8	99.8	100.0	100.0	100.0	
5999.2	1.67527	86.2	92.9	96.6	99.1	94.1	93.6	99.3	96.5	97.6	99.1	99.7	100.0	99.6	99.8	100.0	100.0	100.0	
5999.4	1.67521	85.6	92.9	96.5	99.1	94.0	93.3	99.3	96.5	97.6	99.1	99.7	100.0	99.5	99.8	100.0	100.0	100.0	
5999.6	1.67515	85.3	92.9	96.5	99.1	94.1	93.4	99.3	96.5	97.6	99.1	99.7	100.0	99.4	99.8	100.0	100.0	100.0	
5999.8	1.67510	85.3	93.0	96.5	99.1	94.4	93.6	99.3	96.5	97.6	99.1	99.7	100.0	99.5	99.8	100.0	100.0	100.0	
6000.0	1.67504	86.1	93.1	96.6	99.1	94.8	93.9	99.3	96.4	97.6	99.0	99.7	100.0	99.5	99.8	100.0	100.0	100.0	
6000.2	1.67499	86.8	93.2	96.6	99.1	94.9	94.0	99.3	96.4	97.6	99.0	99.7	100.0	99.5	99.8	100.0	99.9	100.0	
6000.4	1.67493	86.9	93.2	96.6	99.1	94.7	94.0	99.3	96.4	97.6	99.0	99.7	100.0	99.6	99.8	100.0	99.9	100.0	
6000.6	1.67487	86.2	93.1	96.6	99.0	94.5	93.8	99.3	96.4	97.6	99.0	99.7	100.0	99.5	99.8	100.0	99.9	100.0	
6000.8	1.67482	85.7	92.9	96.6	99.0	94.2	93.5	99.2	96.3	97.6	99.0	99.7	100.0	99.5	99.8	100.0	99.9	100.0	

[illegible]	1.47474	A5.[illegible]	92.4	95.[illegible]	98.[illegible]	94.1	93.0	99.[illegible]	96.3	97.[illegible]	98.[illegible]	94.[illegible]	[illegible]	99.5	99.[illegible]	[illegible]	99.3	[illegible]	[illegible]
[illegible]	1.47471	A5.4	92.4	95.[illegible]	98.[illegible]	94.[illegible]	93.[illegible]	99.[illegible]	[illegible]	97.[illegible]	98.[illegible]	94.[illegible]	[illegible]	99.5	99.[illegible]	[illegible]	99.3	[illegible]	[illegible]
[illegible]	1.47465	A5.3	92.4	95.4	98.9	94.3	93.0	99.[illegible]	96.3	97.[illegible]	98.9	94.[illegible]	[illegible]	99.5	99.[illegible]	[illegible]	99.3	[illegible]	[illegible]
[illegible]	1.47459	A5.1	92.2	95.4	98.[illegible]	93.4	93.1	99.[illegible]	96.2	97.4	98.9	94.[illegible]	[illegible]	99.5	99.7	[illegible]	99.3	[illegible]	[illegible]
[illegible]	1.47454	A4.9	92.1	95.4	98.4	93.3	93.2	99.1	96.3	97.4	98.9	94.[illegible]	[illegible]	99.7	99.7	[illegible]	99.3	99.4	[illegible]
[illegible]	1.47448	A4.5	91.9	95.3	98.7	93.7	93.4	99.1	96.1	97.5	98.9	94.6	[illegible]	99.5	99.7	[illegible]	99.3	99.4	[illegible]
[illegible]	1.47442	A4.1	91.7	95.2	98.7	93.5	93.2	99.3	96.1	97.5	98.9	94.6	[illegible]	99.5	99.7	[illegible]	99.3	99.4	[illegible]
[illegible]	1.47437	A3.8	91.5	95.1	98.7	93.7	93.6	99.3	96.1	97.[illegible]	98.9	94.6	[illegible]	99.5	99.7	[illegible]	99.3	99.4	[illegible]
[illegible]	1.47431	A3.2	91.4	95.0	98.7	92.5	93.3	99.3	96.3	97.5	98.9	94.6	[illegible]	99.5	99.7	[illegible]	99.3	99.4	[illegible]
[illegible]	1.47426	A3.1	91.5	95.1	98.5	92.5	93.2	99.[illegible]	96.3	97.5	98.9	94.6	[illegible]	99.5	99.7	[illegible]	99.3	99.4	[illegible]
[illegible]	1.47420	A3.1	91.7	95.[illegible]	98.5	92.3	93.5	99.[illegible]	96.3	97.5	98.9	94.[illegible]	[illegible]	99.[illegible]	99.[illegible]	[illegible]	99.3	99.[illegible]	[illegible]
[illegible]	1.47414	A3.4	92.0	95.[illegible]	98.5	93.3	93.9	99.3	96.3	97.5	98.9	94.[illegible]	[illegible]	99.4	99.[illegible]	[illegible]	99.3	99.[illegible]	[illegible]
[illegible]	1.47409	A3.[illegible]	92.3	95.[illegible]	98.[illegible]	93.7	93.1	99.3	95.9	97.4	98.9	94.[illegible]	[illegible]	99.4	99.[illegible]	[illegible]	99.4	99.4	[illegible]
[illegible]	1.47403	A4.1	92.4	95.[illegible]	98.[illegible]	93.9	93.2	99.[illegible]	95.9	97.4	98.9	94.7	[illegible]	99.5	99.7	[illegible]	99.3	99.[illegible]	[illegible]
[illegible]	1.47398	A4.4	92.5	95.[illegible]	98.[illegible]	94.1	93.3	99.[illegible]	95.9	97.4	98.9	94.7	[illegible]	99.5	99.7	[illegible]	99.3	99.4	[illegible]
[illegible]	1.47392	A4.5	92.5	95.1	98.5	94.1	93.3	99.3	95.9	97.4	98.9	94.[illegible]	[illegible]	99.2	99.7	[illegible]	99.3	99.4	[illegible]
[illegible]	1.47386	A4.4	92.4	95.1	98.5	94.3	93.5	99.3	95.9	97.4	98.9	94.7	[illegible]	99.2	99.7	[illegible]	99.3	99.4	[illegible]
[illegible]	1.47381	A4.4	92.4	95.1	98.5	94.3	93.3	99.3	95.9	97.3	98.9	94.7	[illegible]	99.3	99.8	[illegible]	99.3	99.4	[illegible]
[illegible]	1.47375	A4.4	92.4	95.1	98.5	94.3	93.3	99.3	95.9	97.3	98.9	94.7	[illegible]	99.3	99.8	[illegible]	99.3	99.4	[illegible]
[illegible]	1.47370	A4.3	92.4	95.1	98.5	94.3	93.3	99.1	95.9	97.3	98.9	94.8	[illegible]	99.3	99.8	[illegible]	99.4	99.4	[illegible]
[illegible]	1.47364	A4.2	92.3	95.1	98.5	93.9	93.4	99.1	95.9	97.3	98.9	94.8	[illegible]	99.3	99.8	[illegible]	99.3	99.8	[illegible]
[illegible]	1.47359	A4.0	92.1	95.1	98.5	93.8	93.4	99.1	95.9	97.3	98.9	94.8	[illegible]	99.3	99.8	[illegible]	99.4	99.4	[illegible]
[illegible]	1.47353	A3.8	91.9	95.[illegible]	98.5	93.7	93.3	99.1	95.9	97.3	98.9	94.7	[illegible]	99.3	99.8	[illegible]	99.4	99.4	[illegible]
[illegible]	1.47347	A3.5	91.5	95.[illegible]	98.5	93.5	93.9	99.1	95.7	97.2	98.9	94.7	[illegible]	99.3	99.8	[illegible]	99.3	99.8	[illegible]
[illegible]	1.47342	A3.4	91.5	95.7	98.5	93.5	93.3	99.1	95.7	97.2	98.9	94.7	[illegible]	99.3	99.8	[illegible]	99.3	99.8	[illegible]
[illegible]	1.47336	A3.2	91.5	95.7	98.5	93.3	93.3	99.1	95.7	97.2	98.9	94.7	[illegible]	99.3	99.8	[illegible]	99.7	99.[illegible]	[illegible]
[illegible]	1.47330	A3.[illegible]	91.5	95.7	98.5	93.2	93.3	99.1	95.7	97.2	98.9	94.7	[illegible]	99.3	99.8	[illegible]	99.7	99.8	[illegible]
[illegible]	1.47325	A3.7	91.8	95.7	98.5	93.4	93.5	99.1	95.7	97.2	98.9	94.7	[illegible]	99.3	99.8	[illegible]	99.7	99.8	[illegible]
[illegible]	1.47319	A3.8	91.9	95.7	98.5	93.5	93.8	99.1	95.7	97.1	98.9	94.7	[illegible]	99.3	99.8	[illegible]	99.7	99.8	[illegible]
[illegible]	1.47314	A3.9	91.8	95.7	98.5	93.9	93.9	99.1	95.7	97.1	98.9	94.7	[illegible]	99.3	99.8	[illegible]	99.7	99.8	[illegible]
[illegible]	1.47308	A3.7	91.7	95.7	98.5	93.8	93.9	99.1	95.7	97.1	98.9	94.7	[illegible]	99.4	99.8	[illegible]	99.7	99.8	[illegible]
[illegible]	1.47302	A3.5	91.4	95.5	98.4	93.5	93.8	99.1	95.7	97.1	98.9	94.7	[illegible]	99.5	99.8	[illegible]	99.7	99.8	[illegible]
[illegible]	1.47297	A2.7	90.9	95.4	98.4	93.4	93.3	99.1	95.7	97.1	98.9	94.7	[illegible]	99.4	99.8	[illegible]	99.7	99.8	[illegible]
[illegible]	1.47291	A2.1	90.9	95.3	98.4	93.0	93.9	99.1	95.5	97.1	98.9	94.7	[illegible]	99.4	99.8	[illegible]	99.7	99.8	[illegible]
[illegible]	1.47286	A1.9	90.9	95.2	98.4	92.7	93.7	99.1	95.5	97.1	98.9	94.7	[illegible]	99.3	99.8	[illegible]	99.7	99.8	[illegible]
[illegible]	1.47280	A2.3	91.1	95.6	98.4	92.9	93.0	99.3	95.3	97.1	98.9	94.7	[illegible]	99.2	99.8	[illegible]	99.7	99.8	[illegible]
[illegible]	1.47274	A3.0	91.5	95.1	98.4	93.3	93.4	99.3	95.3	97.1	98.9	94.7	[illegible]	99.2	99.8	[illegible]	99.7	99.7	[illegible]
[illegible]	1.47269	A3.2	91.9	95.3	98.4	93.5	93.8	99.1	95.3	97.1	98.9	94.7	[illegible]	99.3	99.8	[illegible]	99.7	99.7	[illegible]
[illegible]	1.47263	A4.0	92.0	95.5	98.4	93.5	93.3	99.1	95.4	97.1	98.9	94.7	[illegible]	99.2	99.8	[illegible]	99.8	99.7	[illegible]
[illegible]	1.47258	A3.9	91.7	95.5	98.4	93.5	93.8	99.1	95.4	97.1	98.9	94.7	[illegible]	99.1	99.8	[illegible]	99.8	99.7	[illegible]
[illegible]	1.47252	A2.6	91.3	95.4	98.4	93.2	93.3	99.3	95.3	97.1	98.9	94.7	[illegible]	99.0	99.8	[illegible]	99.8	99.7	[illegible]
[illegible]	1.47246	A1.9	90.7	95.3	98.3	92.8	93.5	99.3	95.3	97.1	98.9	94.6	[illegible]	99.0	99.8	[illegible]	99.8	99.7	[illegible]
[illegible]	1.47241	A1.1	90.2	95.1	98.1	92.0	93.3	98.8	95.2	97.1	98.9	94.6	[illegible]	99.0	99.4	[illegible]	99.8	99.7	[illegible]
[illegible]	1.47235	A0.9	90.3	94.9	98.1	92.0	93.4	98.7	95.2	97.1	98.9	94.6	[illegible]	99.0	99.3	[illegible]	99.8	99.7	[illegible]
[illegible]	1.47230	A1.7	90.9	94.8	98.2	92.3	93.0	98.9	95.1	97.1	98.9	94.6	[illegible]	99.0	99.3	[illegible]	99.8	99.7	[illegible]
[illegible]	1.47224	A2.3	91.5	94.9	98.2	93.2	93.7	99.1	95.1	97.1	98.9	94.6	[illegible]	99.1	99.3	[illegible]	99.8	99.7	[illegible]
[illegible]	1.47218	A3.6	91.9	95.1	98.3	93.9	93.1	99.2	95.1	97.1	98.9	94.6	[illegible]	99.1	99.3	[illegible]	99.8	99.7	[illegible]
[illegible]	1.47213	A3.9	91.9	95.1	98.3	94.0	93.3	99.2	95.0	97.1	98.9	94.5	[illegible]	99.3	99.3	[illegible]	99.8	99.7	[illegible]
[illegible]	1.47207	A3.3	91.4	95.2	98.4	93.7	93.2	99.2	95.0	97.1	98.9	94.5	[illegible]	99.4	99.4	[illegible]	99.8	99.7	[illegible]
[illegible]	1.47202	A2.0	90.5	95.3	98.3	93.0	93.7	99.2	95.0	97.1	98.9	94.5	[illegible]	99.4	99.6	[illegible]	99.8	99.7	[illegible]
[illegible]	1.47196	A1.7	90.4	95.1	98.3	92.4	91.8	99.1	95.0	97.1	98.9	94.5	[illegible]	99.3	99.4	[illegible]	99.8	99.7	[illegible]
[illegible]	1.47191	A0.[illegible]	90.3	94.8	98.2	92.1	91.2	99.3	95.0	97.1	98.8	94.5	[illegible]	99.2	99.2	[illegible]	99.8	99.7	[illegible]
[illegible]	1.47185	A0.7	90.3	94.6	98.2	92.1	91.2	99.3	95.0	97.1	98.8	94.5	[illegible]	99.2	99.1	[illegible]	99.8	99.7	[illegible]
[illegible]	1 67179	A1.2	90.5	94.7	98.2	92.3	92.0	98.9	95.0	97.1	98.8	94.5	[illegible]	99.1	99.2	[illegible]	99.8	99.6	[illegible]
[illegible]	1.47174	A1.9	90.8	94.8	98.2	92.8	92.7	99.3	95.0	97.1	98.8	94.5	[illegible]	99.1	99.3	[illegible]	99.8	99.6	[illegible]
[illegible]	1.47168	A2.8	91.1	94.8	98.2	93.2	93.0	99.1	95.0	97.1	98.7	94.5	[illegible]	99.2	99.4	[illegible]	99.7	99.6	[illegible]
[illegible]	1.47163	A3.3	91.4	94.9	98.2	93.4	92.7	99.1	95.0	97.1	98.7	94.5	[illegible]	99.2	99.5	[illegible]	99.8	99.6	[illegible]
[illegible]	1.47157	A3.2	91.2	95.0	98.2	93.1	92.1	99.1	95.0	97.0	98.7	94.5	[illegible]	99.3	99.7	[illegible]	99.8	99.6	[illegible]
[illegible]	1.47151	A2.2	90.1	94.9	98.2	92.7	91.7	99.1	95.0	97.0	98.6	94.5	[illegible]	99.3	99.7	[illegible]	99.8	99.6	[illegible]
[illegible]	1.47146	A1.1	89.9	94.8	98.2	92.4	91.5	99.3	95.0	97.0	98.6	94.5	[illegible]	99.2	99.5	[illegible]	99.8	99.6	[illegible]
[illegible]	1.47140	A0.6	90.1	94.6	98.2	92.2	91.4	99.3	95.0	97.0	98.6	94.5	[illegible]	99.2	99.3	[illegible]	99.8	99.6	[illegible]
[illegible]	1.47135	A0.4	90.1	94.6	98.2	92.2	91.6	99.3	95.0	97.0	98.6	94.5	[illegible]	99.2	99.3	[illegible]	99.8	99.6	[illegible]
[illegible]	1.47129	A0.6	90.1	94.6	98.2	92.2	92.0	99.3	94.9	97.0	98.6	94.5	[illegible]	99.2	99.4	[illegible]	99.8	99.6	[illegible]
[illegible]	1.47123	A1.[illegible]	90.3	94.6	98.2	92.4	92.1	99.3	94.9	97.0	98.6	94.5	[illegible]	99.2	99.4	[illegible]	99.8	99.6	[illegible]
[illegible]	1.47118	A1.4	90.3	94.6	98.2	92.6	92.3	99.3	94.9	97.0	98.6	94.5	[illegible]	99.3	99.4	[illegible]	99.8	99.6	[illegible]
[illegible]	1.47112	A1.3	90.2	94.6	98.2	92.7	92.3	99.3	94.9	97.0	98.6	94.5	[illegible]	99.4	99.4	[illegible]	99.8	99.6	[illegible]
[illegible]	1.47107	A1.0	90.0	94.6	98.2	92.5	91.7	99.3	94.9	97.0	98.6	94.5	[illegible]	99.4	99.3	[illegible]	99.8	99.6	[illegible]
[illegible]	1.47101	A0.7	89.9	94.5	98.1	92.3	91.5	99.3	94.9	97.0	98.5	94.5	[illegible]	99.5	99.3	[illegible]	99.8	99.6	[illegible]
[illegible]	1.47096	A0.5	89.9	94.4	98.1	92.2	91.6	99.3	94.9	96.9	98.4	94.5	[illegible]	99.5	99.2	[illegible]	99.8	99.6	[illegible]
[illegible]	1.47090	A0.5	90.0	94.4	98.1	92.2	91.8	99.3	94.9	96.9	98.4	94.5	[illegible]	99.4	99.3	[illegible]	99.8	99.6	[illegible]
[illegible]	1.47084	A0.6	90.2	94.4	98.1	92.4	91.9	99.3	94.9	96.9	98.4	94.5	[illegible]	99.3	99.3	[illegible]	99.8	99.5	[illegible]
[illegible]	1.47079	A0.8	90.2	94.4	98.1	92.5	91.9	99.3	94.9	96.9	98.4	94.5	[illegible]	99.2	99.4	[illegible]	99.8	99.5	[illegible]
[illegible]	1.47073	A0.2	89.9	94.3	98.0	92.7	91.7	99.3	94.9	96.8	98.4	94.5	[illegible]	99.2	99.4	[illegible]	99.8	99.5	[illegible]
[illegible]	1.47068	79.9	89.9	94.1	98.0	92.1	91.4	98.9	94.7	96.8	98.3	94.5	[illegible]	99.2	99.4	[illegible]	99.8	99.5	[illegible]
[illegible]	1.47062	79.2	89.1	94.1	97.9	91.9	91.1	98.9	94.7	96.8	98.3	94.5	[illegible]	99.2	99.4	[illegible]	99.8	99.5	[illegible]
[illegible]	1.47056	79.0	88.8	94.1	97.9	91.5	91.0	98.8	94.7	96.7	98.3	94.5	[illegible]	99.2	99.3	[illegible]	99.8	99.5	[illegible]
[illegible]	1.47051	79.0	89.0	94.0	97.8	91.3	91.1	98.8	94.7	96.7	98.3	94.5	[illegible]	99.2	99.3	[illegible]	99.8	99.5	[illegible]
[illegible]	1.47045	79.7	89.4	94.1	97.9	91.3	91.5	98.9	94.5	96.7	98.3	94.5	[illegible]	99.2	99.3	[illegible]	99.8	99.5	[illegible]
[illegible]	1.47040	80.4	89.7	94.2	97.9	91.8	91.8	98.9	94.5	96.6	98.3	94.5	[illegible]	99.2	99.2	[illegible]	99.8	99.5	[illegible]
[illegible]	1.47034	80.4	89.9	94.3	97.9	92.2	91.9	99.3	94.5	96.6	98.2	94.5	[illegible]	99.2	99.2	[illegible]	99.8	99.5	[illegible]

Table 4-1 (cont'd)

Sam. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
p(atm)	2.50×10^{0}	2.53×10^{0}	2.53×10^{0}	2.50×10^{0}	2.00×10^{0}	1.00×10^{0}	1.00×10^{0}	1.46×10^{1}	1.00×10^{1}	1.00×10^{1}	1.00×10^{1}	1.00×10^{0}	2.30×10^{-1}	2.30×10^{-1}	1.16×10^{-1}	7.70×10^{-2}	7.70×10^{-2}	7.70×10^{-2}
P_e(atm)	3.29×10^{0}	3.32×10^{0}	3.32×10^{0}	3.29×10^{0}	2.62×10^{0}	1.31×10^{0}	1.31×10^{0}	2.03×10^{1}	1.36×10^{1}	1.36×10^{1}	1.36×10^{1}	1.36×10^{1}	9.99×10^{-1}	3.00×10^{-1}	1.50×10^{-1}	1.001×10^{0}	3.03×10^{-1}	1.001×10^{-1}
u (atm cm) STP	2.17×10^{5}	1.10×10^{5}	5.57×10^{4}	2.80×10^{4}	8.71×10^{4}	8.62×10^{4}	2.19×10^{4}	4.73×10^{4}	3.16×10^{4}	1.59×10^{4}	7.93×10^{3}	3.99×10^{3}	9.94×10^{3}	9.94×10^{3}	9.94×10^{3}	3.32×10^{3}	3.32×10^{3}	3.32×10^{3}

ν (cm^{-1})	λ (micron)	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100
5987.0	1.67029	79.3	89.4	94.2	97.7	92.2	91.4	98.[illegible]	94.5	95.5	98.2	99.5	99.2	99.4	99.4	99.3	99.5	99.5
5987.2	1.67023	78.4	88.5	93.9	97.5	91.9	90.1	98.7	94.4	95.5	98.2	99.5	99.3	99.5	99.4	99.3	99.5	99.4
5987.4	1.67017	76.5	87.3	93.6	97.5	91.1	88.8	98.4	94.4	95.5	98.2	99.5	99.3	99.4	99.4	99.3	99.5	99.4
5987.6	1.67012	75.7	87.3	93.5	97.4	90.3	88.9	98.3	94.3	95.4	98.2	99.5	99.2	99.3	99.4	99.3	99.5	99.4
5987.8	1.67006	75.5	87.5	93.6	97.5	90.0	90.0	98.5	94.3	95.4	98.2	99.5	99.8	99.2	99.0	99.4	99.3	99.5	99.4
5988.0	1.67001	76.9	88.5	93.7	97.7	90.0	91.1	98.4	94.5	95.5	98.2	99.5	99.8	99.1	99.8	99.4	99.3	99.4	99.4
5988.2	1.66995	78.5	89.4	94.0	97.5	90.5	92.2	98.7	94.2	95.5	98.2	99.4	99.8	99.1	99.9	99.4	99.3	99.4	99.4
5988.4	1.66990	79.7	89.5	94.2	97.8	91.5	92.3	98.8	94.2	95.2	98.2	99.4	99.8	99.1	99.1	99.4	99.3	99.4	99.4
5988.6	1.66984	79.7	89.2	94.2	97.8	92.5	91.5	98.5	94.1	95.1	98.2	99.4	99.8	99.1	99.2	99.4	99.3	99.4	99.4
5988.8	1.66978	78.2	88.1	93.8	97.4	92.5	90.1	98.5	94.1	95.1	98.2	99.4	99.8	99.2	99.4	99.4	99.3	99.4	99.5
5989.0	1.66973	75.5	86.9	93.1	97.0	91.5	89.4	98.3	94.0	95.0	98.2	99.4	99.8	99.2	99.5	99.4	99.3	99.4	99.5
5989.2	1.66967	73.5	86.3	92.8	96.9	89.5	87.3	97.9	93.9	95.0	98.2	99.4	99.8	99.0	99.2	99.3	99.3	99.4	99.3
5989.4	1.66962	72.7	86.2	92.7	96.9	88.8	87.2	97.9	93.8	95.0	98.2	99.4	99.8	98.8	99.0	99.3	99.3	99.4	99.5
5989.6	1.66956	73.2	87.0	93.0	97.1	88.5	85.6	98.1	93.8	95.9	98.2	99.4	99.8	98.5	99.0	99.5	99.3	99.4	99.4
5989.8	1.66950	76.2	88.1	93.6	97.3	89.2	90.6	98.7	93.7	95.9	98.2	99.4	99.8	98.5	99.1	99.3	99.2	99.4	99.3
5990.0	1.66945	78.4	89.0	94.1	97.4	90.5	91.7	99.0	93.7	95.9	98.2	99.4	99.8	98.5	99.2	99.5	99.2	99.4	99.5
5990.2	1.66939	79.2	88.9	94.1	97.3	91.5	91.9	99.0	93.5	95.8	98.2	99.4	99.8	98.8	99.4	99.3	99.2	99.4	99.5
5990.4	1.66934	78.8	87.7	93.7	97.1	92.1	90.8	98.7	93.5	95.8	98.2	99.3	99.8	98.9	99.8	99.3	99.2	99.5	99.5
5990.6	1.66929	75.5	86.4	93.1	96.7	91.8	89.4	98.9	93.5	95.8	98.2	99.3	99.8	98.9	99.7	99.3	99.2	99.5	99.5
5990.8	1.66923	72.3	85.2	92.5	96.5	90.3	85.5	97.2	93.4	95.8	98.2	99.3	99.8	99.1	99.5	99.2	99.2	99.4	99.5
5991.0	1.66917	70.7	84.5	91.8	96.4	88.2	85.6	97.7	93.3	95.7	98.2	99.2	99.8	98.9	99.1	99.3	99.2	99.2	99.5
5991.2	1.66911	70.7	84.5	91.9	96.4	88.9	85.2	97.7	93.3	95.7	98.2	99.2	99.8	98.7	99.8	99.2	99.2	99.0	99.5
5991.4	1.66906	72.3	85.7	92.5	96.8	86.7	88.2	98.0	93.2	95.7	98.1	99.2	99.8	98.5	99.8	99.1	99.2	99.9	99.4
5991.6	1.66900	75.0	87.5	93.2	97.1	87.7	90.0	98.4	93.1	95.6	98.1	99.1	99.8	98.5	99.7	99.0	99.2	99.2	99.4
5991.8	1.66895	77.7	88.7	93.8	97.3	89.7	91.3	98.8	93.0	95.6	98.1	99.1	99.8	98.8	99.9	99.1	99.2	99.4	99.4
5992.0	1.66889	78.7	88.5	93.8	97.1	91.4	91.8	99.0	92.9	95.6	98.1	99.1	99.8	99.1	99.3	99.2	99.2	99.4	99.5
5992.2	1.66884	77.0	87.0	93.3	96.7	92.1	90.5	98.5	92.7	95.5	98.0	99.1	99.8	99.3	99.6	99.3	99.2	99.5	99.3
5992.4	1.66878	73.7	85.1	92.4	96.2	91.8	87.8	97.8	92.6	95.5	98.0	99.0	99.8	99.3	99.4	99.4	99.3	99.4	99.3
5992.6	1.66872	70.0	83.5	91.5	95.8	90.3	85.4	97.2	92.5	95.5	98.0	99.0	99.8	98.9	99.2	99.3	99.1	99.4	99.3
5992.8	1.66867	67.5	82.7	90.9	95.3	87.4	83.7	96.9	92.4	95.4	97.9	99.0	99.8	98.7	98.9	99.0	99.1	99.3	99.7
5993.0	1.66861	67.9	83.3	91.1	96.1	85.4	84.5	96.9	92.3	95.4	97.9	99.0	99.6	98.4	98.4	98.7	99.1	99.1	99.5
5993.2	1.66856	70.5	84.7	91.7	96.3	85.0	87.4	97.7	92.2	95.5	97.8	99.0	99.8	98.3	98.1	98.7	99.1	99.0	99.5
5993.4	1.66850	74.5	87.3	92.8	97.1	86.9	89.7	98.3	92.1	95.2	97.8	99.0	99.8	98.5	98.3	98.8	99.1	99.1	99.4
5993.6	1.66845	77.4	88.3	93.5	97.5	89.5	91.4	98.5	92.0	95.1	97.8	99.0	99.8	98.8	98.7	99.0	99.1	99.2	99.5
5993.8	1.66839	77.9	87.5	93.6	97.3	91.4	91.9	98.5	91.9	95.0	97.7	99.0	99.8	99.0	99.1	99.2	99.1	99.4	99.5
5994.0	1.66834	75.5	85.8	93.0	96.3	91.7	90.2	98.2	91.8	94.9	97.7	99.0	99.8	99.2	99.4	99.4	99.2	99.5	99.5
5994.2	1.66828	70.2	83.3	91.9	95.5	90.2	85.8	97.2	91.7	94.8	97.7	99.0	99.8	99.0	99.2	99.4	99.2	99.4	99.5
5994.4	1.66822	66.3	81.5	90.5	95.2	87.5	83.8	96.4	91.5	94.7	97.6	99.0	99.8	98.7	99.1	98.5	99.3	99.0	99.5
5994.6	1.66817	64.1	80.5	89.6	95.1	84.7	82.3	96.0	91.3	94.6	97.6	99.0	99.8	98.3	98.6	98.3	99.1	99.4	99.5
5994.8	1.66811	65.0	80.9	89.9	95.5	82.9	83.1	96.2	91.2	94.6	97.6	99.0	99.7	98.3	97.9	98.3	99.0	99.2	99.6
5995.0	1.66806	67.7	82.9	90.6	96.3	82.9	85.3	96.9	91.3	94.5	97.6	99.0	99.7	98.3	97.7	98.5	98.8	99.3	99.4
5995.2	1.66800	71.3	85.7	91.8	96.7	85.4	88.6	98.1	90.9	94.4	97.6	99.0	99.7	98.3	98.4	98.6	99.0	99.3	99.2
5995.4	1.66795	75.4	86.5	92.5	96.8	88.5	91.0	98.5	90.8	94.3	97.4	99.0	99.7	98.9	99.1	99.3	99.2	99.7	99.5
5995.6	1.66789	75.0	86.3	92.6	96.4	90.3	91.4	98.5	90.7	94.1	97.4	99.0	99.7	99.3	99.4	99.2	99.3	99.7	99.7
5995.8	1.66783	71.3	83.5	91.7	95.9	90.3	89.5	97.7	90.5	94.0	97.3	99.0	99.7	99.4	99.5	99.1	99.3	99.6	99.4
5996.0	1.66778	66.3	80.9	89.5	94.7	88.0	85.6	96.5	90.5	93.9	97.3	99.0	99.7	98.8	99.1	99.3	99.3	99.2	99.7
5996.2	1.66772	62.5	78.5	88.9	94.3	84.2	81.8	95.4	90.4	93.8	97.2	99.0	99.7	98.2	98.5	98.9	98.9	99.0	99.7
5996.4	1.66767	60.5	77.4	88.0	94.2	80.7	80.2	94.9	90.3	93.7	97.2	99.0	99.7	97.9	97.9	98.5	98.8	99.0	99.5
5996.6	1.66761	61.1	78.4	88.2	94.9	80.2	81.0	95.3	90.2	93.6	97.1	99.0	99.7	97.3	97.6	98.5	98.7	99.0	99.3
5996.8	1.66756	65.3	81.0	89.6	95.3	82.3	84.8	96.7	90.1	93.5	97.1	99.0	99.7	98.2	98.0	98.7	98.7	99.2	99.4
5997.0	1.66750	70.9	83.5	91.0	96.2	86.5	88.7	97.7	89.9	93.4	97.0	99.0	99.7	98.9	98.6	98.9	98.8	99.5	99.1
5997.2	1.66744	72.5	84.7	91.8	96.1	89.1	90.9	98.3	89.8	93.4	97.0	99.0	99.7	99.3	99.2	99.1	98.8	99.4	99.4
5997.4	1.66739	71.2	83.3	91.2	95.4	89.1	89.7	97.9	89.7	93.3	96.9	99.0	99.7	99.4	99.2	99.1	98.8	99.4	99.7
5997.6	1.66733	65.3	80.1	89.4	94.4	87.4	85.7	96.7	89.6	93.2	96.8	99.0	99.7	99.0	99.0	97.7	98.7	99.4	99.7
5997.8	1.66728	59.2	76.3	86.1	93.4	83.8	81.3	95.2	89.4	93.0	96.8	99.0	99.7	97.7	98.1	97.5	98.2	99.0	99.5
5998.0	1.66722	56.3	74.9	85.0	93.0	79.3	78.5	94.2	89.3	92.9	96.7	99.0	99.7	97.2	97.3	97.4	98.1	98.6	99.3
5998.2	1.66717	56.2	74.9	85.5	93.3	78.2	77.8	94.1	89.2	92.8	96.7	99.0	99.7	97.1	97.1	97.5	98.2	98.9	98.9
5998.4	1.66711	59.4	77.9	87.0	94.7	79.9	79.9	95.2	89.0	92.8	96.6	99.0	99.7	97.7	97.6	97.7	98.4	99.0	98.7
5998.6	1.66706	65.7	80.9	89.2	95.3	84.1	84.4	96.3	88.9	92.5	96.5	99.0	99.7	98.4	98.5	98.1	98.5	99.1	98.9
5998.8	1.66700	68.8	82.4	91.4	95.7	87.4	88.7	97.5	88.7	92.3	96.5	99.0	99.7	99.1	99.4	98.9	98.5	99.2	98.9
5999.0	1.66694	68.4	81.1	90.2	95.1	87.4	88.6	97.5	88.5	92.2	96.4	99.0	99.7	99.1	99.3	98.1	98.5	99.0	98.8
5999.2	1.66689	64.1	78.2	88.7	94.1	84.4	85.7	96.4	88.3	92.6	96.3	99.0	99.7	98.5	98.4	97.5	98.3	98.7	98.6
5999.4	1.66683	59.0	74.5	87.1	93.1	80.2	81.3	94.9	88.2	91.8	96.2	99.0	99.6	97.5	97.8	97.2	98.1	98.6	98.2
5999.6	1.66678	54.2	72.4	85.4	92.2	76.7	77.0	93.3	88.0	91.7	96.1	99.0	99.6	96.9	97.2	96.9	98.1	98.2	98.0
5999.8	1.66672	52.4	72.2	84.5	92.5	75.2	74.9	93.4	87.8	91.6	96.1	99.0	99.6	96.5	96.8	96.9	98.1	98.5	98.4

6000.0	1.66667	54.3	74.1	85.[illegible]	93.[illegible]	76.[illegible]	75.[illegible]	93.[illegible]	87.5	91.[illegible]	95.[illegible]	98.[illegible]	99.5	97.1	97.[illegible]	97.[illegible]	98.2	99.[illegible]	98.[illegible]
6000.2	1.66661	59.2	74.9	85.[illegible]	94.2	81.[illegible]	81.[illegible]	93.[illegible]	87.4	91.4	95.[illegible]	98.[illegible]	99.5	97.1	97.[illegible]	97.[illegible]	98.4	99.1	98.3
6000.4	1.66656	62.7	78.4	87.7	94.1	84.4	84.[illegible]	95.4	87.3	91.4	95.4	98.[illegible]	99.6	98.5	98.[illegible]	97.[illegible]	98.5	99.1	98.1
6000.6	1.66650	62.9	78.5	88.[illegible]	94.[illegible]	84.4	85.[illegible]	95.5	87.1	91.[illegible]	95.[illegible]	98.[illegible]	99.5	98.5	98.[illegible]	97.[illegible]	98.5	99.1	98.2
6000.8	1.66644	59.5	76.1	87.[illegible]	93.5	81.8	84.[illegible]	95.3	86.9	91.3	95.[illegible]	98.[illegible]	99.4	97.8	98.[illegible]	97.[illegible]	98.1	99.9	98.1
6001.0	1.66639	55.0	72.9	85.4	92.5	77.1	81.5	94.3	86.7	91.[illegible]	95.4	98.[illegible]	99.4	97.1	97.7	97.[illegible]	97.2	98.4	98.2
6001.2	1.66633	50.2	70.1	84.3	91.5	74.5	79.9	93.1	86.5	91.4	95.4	98.[illegible]	99.4	96.7	97.[illegible]	96.4	97.3	98.[illegible]	98.[illegible]
6001.4	1.66628	47.8	69.0	83.1	91.0	73.4	78.9	92.7	86.3	90.7	95.4	98.[illegible]	99.4	96.4	96.[illegible]	96.[illegible]	97.4	98.0	98.4
6001.6	1.66622	48.8	71.1	84.2	92.1	73.9	78.6	92.9	86.1	90.5	95.4	97.[illegible]	99.4	96.5	97.1	97.[illegible]	97.9	98.2	98.5
6001.8	1.66617	53.4	74.4	86.9	93.1	78.1	83.3	94.[illegible]	86.0	90.4	95.3	97.9	99.4	97.4	97.[illegible]	97.7	98.1	98.6	98.4
6002.0	1.66611	58.1	76.9	88.[illegible]	93.7	81.4	81.3	95.4	85.9	90.3	95.2	97.[illegible]	99.4	98.1	98.[illegible]	98.[illegible]	98.3	98.[illegible]	98.7
6002.2	1.66606	59.5	75.9	88.9	94.1	82.0	84.2	96.2	85.8	90.2	95.1	97.9	99.4	98.3	98.9	98.1	98.2	99.0	99.1
6002.4	1.66600	56.1	73.9	88.[illegible]	93.1	79.8	83.5	96.1	85.6	90.1	95.1	97.[illegible]	99.4	97.8	98.[illegible]	97.5	98.1	99.2	99.2
6002.6	1.66594	50.2	70.9	85.[illegible]	92.1	76.4	80.1	94.9	85.5	90.0	95.1	97.[illegible]	99.4	97.3	97.[illegible]	96.2	97.3	98.2	99.1
6002.8	1.66589	46.4	68.5	83.[illegible]	91.3	73.5	78.7	93.3	85.4	89.9	94.9	97.[illegible]	99.4	96.4	96.[illegible]	96.5	97.3	98.2	98.7
6003.0	1.66583	45.7	67.5	82.[illegible]	91.1	71.9	77.7	92.5	85.3	89.[illegible]	94.9	97.[illegible]	99.4	96.3	96.[illegible]	96.4	98.0	98.1	98.4
6003.2	1.66579	47.5	68.5	83.[illegible]	91.[illegible]	71.9	77.[illegible]	92.5	85.1	89.[illegible]	94.[illegible]	97.[illegible]	99.4	96.7	96.[illegible]	97.2	98.1	98.2	98.3
6003.4	1.66572	51.3	71.1	83.4	92.1	75.2	79.2	93.5	85.0	89.7	94.[illegible]	97.7	99.4	97.4	97.[illegible]	97.5	98.3	98.4	98.5
6003.6	1.66567	54.4	73.5	83.9	92.3	78.5	82.3	94.7	84.9	89.[illegible]	94.8	97.[illegible]	99.4	97.3	97.[illegible]	97.9	98.4	98.6	98.8
6003.8	1.66561	55.1	73.8	83.1	92.2	80.3	83.9	95.5	84.8	89.5	94.8	97.7	99.4	98.2	98.4	97.4	98.5	98.[illegible]	98.9
6004.0	1.66556	53.3	72.3	83.1	92.4	79.8	81.6	95.[illegible]	84.8	89.[illegible]	94.8	97.7	99.4	98.1	98.2	97.5	98.5	98.6	99.1
6004.2	1.66550	48.7	69.7	84.2	91.5	77.3	79.2	93.9	84.7	89.4	94.7	97.7	99.4	97.2	97.5	97.1	98.5	98.4	99.2
6004.4	1.66545	45.4	66.3	82.6	90.8	73.7	75.4	93.0	84.5	89.3	94.7	97.7	99.3	96.5	96.7	96.3	98.4	98.2	99.1
6004.6	1.66539	43.7	66.3	81.4	90.5	71.2	72.3	92.3	84.5	89.1	94.5	97.[illegible]	99.3	96.1	96.4	96.7	98.2	98.2	98.3
6004.8	1.66533	44.5	66.3	81.1	90.5	70.3	71.7	92.3	84.4	89.2	94.5	97.[illegible]	99.2	96.2	96.4	96.9	98.3	98.4	98.7
6005.0	1.66526	48.0	68.9	81.7	91.1	71.9	71.2	93.0	84.4	89.1	94.5	97.5	99.2	96.5	96.[illegible]	97.1	98.3	98.6	98.7
6005.2	1.66522	50.8	70.9	82.9	92.0	75.7	74.2	94.1	84.3	89.1	94.5	97.[illegible]	99.2	97.3	97.[illegible]	97.3	98.7	98.9	99.1
6005.4	1.66517	52.1	71.9	83.[illegible]	92.3	78.0	78.2	95.0	84.2	89.0	94.5	97.[illegible]	99.2	97.5	98.3	98.3	98.5	98.9	99.4
6005.6	1.66511	51.5	71.5	84.5	92.3	78.4	80.1	95.3	84.1	89.0	94.5	97.6	99.2	97.9	98.3	98.2	98.5	98.[illegible]	99.4
6005.8	1.66506	49.0	69.9	83.9	92.0	76.3	77.6	94.3	84.0	89.0	94.4	97.6	99.2	97.5	98.0	97.7	98.4	98.6	99.5
6006.0	1.66500	45.9	67.5	82.9	91.1	74.2	75.9	93.5	84.0	88.9	94.4	97.6	99.2	97.2	97.[illegible]	97.5	98.2	98.[illegible]	99.3
6006.2	1.66495	43.1	65.9	81.[illegible]	90.5	71.7	73.[illegible]	92.5	83.9	88.9	94.4	97.5	99.2	96.5	96.[illegible]	97.1	97.9	98.4	98.8
6006.4	1.66489	42.7	65.7	81.[illegible]	90.5	70.8	71.6	92.2	83.9	88.9	94.4	97.6	99.2	96.4	96.3	97.0	98.1	98.4	98.5
6006.6	1.66484	44.1	66.9	81.[illegible]	90.5	71.7	71.0	92.5	83.9	88.9	94.4	97.5	99.3	96.5	96.4	97.2	98.3	98.[illegible]	98.5
6006.8	1.66478	46.7	68.5	82.0	91.3	73.7	72.3	93.3	83.9	88.9	94.4	97.5	99.3	96.9	96.[illegible]	97.5	98.4	98.[illegible]	98.7
6007.0	1.66472	49.2	69.9	83.[illegible]	91.8	75.3	75.2	94.5	83.9	88.9	94.4	97.5	99.3	97.4	97.2	98.1	98.5	98.[illegible]	98.9
6007.2	1.66467	50.1	70.5	83.[illegible]	92.1	77.3	78.1	94.[illegible]	83.9	88.9	94.4	97.4	99.3	97.8	98.1	98.[illegible]	98.5	98.[illegible]	99.1
6007.4	1.66461	49.4	70.4	83.[illegible]	91.5	76.9	78.9	94.4	83.9	88.9	94.4	97.4	99.3	97.5	98.[illegible]	97.9	98.3	98.5	99.0
6007.6	1.66456	46.7	68.5	82.[illegible]	91.0	73.7	75.7	93.5	83.9	88.9	94.4	97.4	99.3	97.5	97.7	97.4	98.2	98.3	98.1
6007.8	1.66450	44.5	66.7	82.[illegible]	90.5	71.5	73.6	92.3	83.9	88.9	94.4	97.4	99.2	96.5	97.3	97.2	98.3	98.2	99.1
6008.0	1.66445	43.5	66.1	81.[illegible]	90.4	71.0	71.7	92.5	83.9	88.9	94.4	97.4	99.2	96.2	96.[illegible]	97.0	98.0	98.[illegible]	98.5
6008.2	1.66439	44.0	66.3	81.[illegible]	90.5	71.5	71.2	92.7	84.0	88.9	94.4	97.4	99.2	96.5	96.4	97.1	98.1	98.4	98.7
6008.4	1.66434	45.7	67.5	81.[illegible]	91.1	73.1	72.5	93.5	84.0	88.9	94.4	97.4	99.2	96.7	96.7	97.3	98.3	98.5	98.7
6008.6	1.66428	47.8	69.2	82.[illegible]	91.5	74.3	73.1	94.1	84.0	88.9	94.4	97.4	99.2	97.1	97.5	97.8	98.5	98.6	98.8
6008.8	1.66423	49.9	70.2	83.[illegible]	91.7	76.3	77.5	94.5	84.0	88.9	94.4	97.4	99.2	97.5	97.7	97.8	98.6	98.6	99.1
6009.0	1.66417	50.0	70.5	83.5	91.7	76.4	78.3	94.5	84.0	88.9	94.4	97.4	99.2	97.5	97.9	97.5	98.5	98.6	99.2
6009.2	1.66412	48.0	69.3	82.8	91.5	74.2	77.2	93.9	84.0	88.8	94.4	97.4	99.2	97.4	97.3	97.5	98.5	98.5	99.2
6009.4	1.66406	46.8	68.0	82.2	91.3	72.5	74.6	93.1	84.1	88.9	94.4	97.4	99.2	97.0	97.0	97.1	98.5	98.7	99.0
6009.6	1.66400	44.5	67.1	81.7	90.9	71.7	72.6	93.1	84.1	88.9	94.4	97.4	99.2	96.7	96.8	97.1	98.5	98.4	98.8
6009.8	1.66395	44.2	67.0	81.7	90.9	72.7	71.8	93.1	84.2	88.9	94.4	97.4	99.2	96.5	96.6	97.3	98.5	98.5	98.7
6010.0	1.66389	45.1	67.5	82.0	91.2	74.1	73.7	93.5	84.3	88.9	94.4	97.4	99.3	96.7	96.9	97.5	98.5	98.6	98.8
6010.2	1.66384	46.9	68.9	82.8	91.7	75.2	74.9	94.1	84.4	88.9	94.4	97.4	99.3	97.0	97.0	97.3	98.5	98.5	99.1
6010.4	1.66378	49.0	70.1	83.2	91.9	76.3	75.8	94.5	84.5	89.0	94.4	97.4	99.3	97.2	97.2	97.9	98.7	98.6	99.2
6010.6	1.66373	49.3	70.7	83.6	91.9	76.5	77.5	94.5	84.5	89.3	94.4	97.4	99.3	97.3	97.5	97.9	98.7	98.7	99.2
6010.8	1.66367	49.7	70.5	83.8	91.7	75.7	77.0	94.1	84.7	89.4	94.4	97.4	99.3	97.4	97.6	97.5	98.5	98.6	99.2
6011.0	1.66362	48.5	69.9	83.2	91.5	74.1	73.5	93.7	84.3	89.6	94.5	97.4	99.3	97.1	97.4	97.4	98.4	98.5	99.1
6011.2	1.66356	47.5	68.9	82.9	91.5	73.5	73.4	93.5	84.3	89.7	94.5	97.4	99.3	96.9	96.9	97.2	98.3	98.4	99.1
6011.4	1.66351	47.2	68.4	82.7	91.3	74.1	73.0	93.5	85.0	89.8	94.5	97.4	99.3	96.7	96.9	97.1	98.3	98.4	98.9
6011.6	1.66345	47.4	68.7	82.9	91.5	75.0	74.4	93.7	85.1	89.9	94.7	97.4	99.3	96.7	97.0	97.2	98.5	98.5	98.8
6011.8	1.66340	48.5	69.9	83.4	91.9	76.2	75.8	94.3	85.3	90.0	94.8	97.4	99.3	97.1	97.1	97.7	98.8	98.7	99.3
6012.0	1.66334	50.1	71.2	84.1	91.9	77.4	77.4	94.8	85.4	90.2	94.8	97.4	99.3	97.3	97.3	97.5	99.0	98.[illegible]	99.1
6012.2	1.66328	51.2	71.9	84.5	92.0	77.9	79.3	94.9	85.5	90.3	94.9	97.4	99.3	97.7	97.5	97.8	98.9	98.[illegible]	99.2
6012.4	1.66323	51.9	72.1	84.6	92.0	77.1	79.1	94.8	85.5	90.5	94.9	97.4	99.3	97.3	97.[illegible]	97.9	98.5	98.[illegible]	99.2
6012.6	1.66317	51.9	72.0	84.5	92.0	76.2	77.1	94.5	85.8	90.6	95.0	97.5	99.3	97.4	97.6	97.9	98.5	98.5	99.2
6012.8	1.66312	51.2	71.5	84.2	92.0	76.2	75.2	94.2	86.0	90.[illegible]	95.0	97.5	99.3	97.0	97.5	97.9	98.4	98.[illegible]	99.0
6013.0	1.66306	50.9	71.4	84.3	92.1	76.9	75.2	94.3	86.3	90.9	95.1	97.5	99.3	97.0	97.2	98.0	98.2	98.8	98.9
6013.2	1.66301	51.5	71.6	84.5	92.2	77.7	77.0	94.5	86.4	91.0	95.2	97.5	99.3	97.1	97.3	98.0	98.2	98.8	99.1
6013.4	1.66295	52.4	72.4	84.9	92.5	78.1	77.7	94.9	86.5	91.1	95.2	97.5	99.4	97.5	97.5	98.1	98.4	98.5	99.2
6013.6	1.66290	53.4	73.3	85.2	92.7	79.2	78.8	95.2	86.9	91.1	95.3	97.5	99.4	97.7	97.7	98.1	98.5	98.[illegible]	99.4
6013.8	1.66284	54.4	74.0	85.[illegible]	92.7	79.3	79.7	95.3	87.0	91.2	95.4	97.6	99.4	97.7	97.8	98.1	98.9	98.[illegible]	99.5
6014.0	1.66279	55.2	74.3	85.9	92.7	78.9	80.2	95.2	87.1	91.3	95.4	97.6	99.4	97.5	97.7	98.1	98.8	98.8	99.4
6014.2	1.66273	55.5	74.4	85.[illegible]	92.8	78.5	80.1	95.1	87.3	91.4	95.5	97.6	99.4	97.5	97.8	98.1	98.8	98.[illegible]	99.5
6014.4	1.66268	55.1	74.4	85.[illegible]	93.0	79.0	79.9	95.1	87.5	91.6	95.5	97.7	99.4	97.3	97.5	98.2	98.8	98.[illegible]	99.2
6014.6	1.66262	55.4	74.5	85.[illegible]	93.2	79.7	79.8	95.2	87.3	91.7	95.7	97.7	99.4	97.4	97.5	98.2	98.7	98.[illegible]	99.1
6014.8	1.66257	56.5	74.9	85.[illegible]	93.3	80.5	80.3	95.4	88.1	91.8	95.8	97.8	99.4	97.6	97.6	98.1	98.4	98.8	99.2
6015.0	1.66251	57.4	75.5	87.[illegible]	93.5	81.0	81.1	95.5	88.3	92.0	95.9	97.8	99.4	97.5	97.8	97.9	98.5	98.7	99.4
6015.2	1.66246	58.1	76.3	87.5	93.8	81.5	81.8	95.5	88.5	92.1	95.9	97.9	99.4	97.9	98.1	97.9	98.6	98.7	99.4
6015.4	1.66240	58.9	77.0	87.9	94.0	81.9	82.3	95.7	88.7	92.2	96.0	97.9	99.4	97.9	98.2	98.1	98.6	98.7	99.2
6015.6	1.66234	59.7	77.4	87.7	94.1	82.0	82.4	95.8	88.9	92.4	96.1	98.0	99.4	97.7	98.2	98.2	98.5	98.7	99.2
6015.8	1.66229	60.4	78.0	88.0	94.2	82.2	82.6	96.0	89.1	92.6	96.2	98.0	99.4	98.1	97.9	98.5	98.5	98.[illegible]	99.[illegible]

Table 4-1 (cont'd)

Scan No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
p(atm)	2.50 x 10^{0}	2.53 x 10^{0}	2.53 x 10^{0}	2.50 x 10^{0}	2.00 x 10^{0}	1.00 x 10^{0}	1.00 x 10^{0}	1.48 x 10^{-1}	1.00 x 10^{-1}	1.00 x 10^{-1}	1.00 x 10^{-1}	1.00 x 10^{0}	2.30 x 10^{-1}	2.30 x 10^{-1}	1.16 x 10^{-1}	7.70 x 10^{-2}	7.70 x 10^{-2}	7.70 x 10^{-2}	3.87 x 10^{-2}	6.65 x 10^{-1}	6.65 x 10^{-1}
P_e(atm)	3.29 x 10^{0}	3.32 x 10^{0}	3.32 x 10^{0}	3.29 x 10^{0}	2.62 x 10^{0}	1.31 x 10^{0}	1.31 x 10^{0}	2.03 x 10^{-1}	1.36 x 10^{-1}	1.36 x 10^{-1}	1.36 x 10^{-1}	1.36 x 10^{-1}	9.99 x 10^{-1}	3.00 x 10^{-1}	1.50 x 10^{-1}	1.001 x 10^{0}	3.03 x 10^{-1}	1.001 x 10^{-1}	5.03 x 10^{-2}	1.31 x 10^{1}	8.65 x 10^{-1}
u (atm cm) STP	2.17 x 10^{5}	1.10 x 10^{5}	5.52 x 10^{4}	2.80 x 10^{4}	5.71 x 10^{4}	5.62 x 10^{4}	2.19 x 10^{4}	4.73 x 10^{4}	3.16 x 10^{4}	1.59 x 10^{4}	7.93 x 10^{3}	3.99 x 10^{3}	9.94 x 10^{3}	9.94 x 10^{3}	9.94 x 10^{3}	3.32 x 10^{3}	3.32 x 10^{3}	3.32 x 10^{3}	3.32 x 10^{3}	1.01 x 10^{3}	1.01 x 10^{3}

ν (cm^{-1})	λ (micron)	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100
6016.0	1.66223	61.0	78.4	88.5	94.4	82.9	83.0	96.1	89.3	92.8	96.5	99.1	99.4	98.1	98.1	98.5	98.6	98.6	99.3			
6016.2	1.66218	61.9	79.3	88.8	94.5	83.7	83.9	96.2	89.5	92.9	96.6	99.1	99.4	98.0	98.2	98.5	98.7	98.8	99.4			
6016.4	1.66212	63.0	79.9	89.2	94.3	84.5	84.9	96.4	89.8	93.1	96.5	99.2	99.4	98.0	98.3	98.5	98.7	98.9	99.4			
6016.6	1.66207	64.2	80.5	89.6	95.1	84.9	85.4	96.5	90.0	93.3	96.5	99.2	99.4	98.2	98.4	98.5	98.9	98.9	99.4			
6016.8	1.66201	65.4	81.0	89.9	95.2	85.3	85.6	96.7	90.1	93.4	96.7	99.3	99.4	98.3	98.4	98.5	99.0	98.9	99.4			
6017.0	1.66196	66.5	81.5	90.1	95.3	85.7	85.7	96.9	90.2	93.5	96.8	99.3	99.5	98.3	98.4	98.7	99.1	98.9	99.4			
6017.2	1.66190	67.5	81.9	90.3	95.4	86.0	85.9	97.0	90.4	93.7	96.8	99.4	99.5	98.4	98.6	98.7	99.1	99.1	99.4			
6017.4	1.66185	68.3	82.3	90.5	95.5	86.4	86.4	97.0	90.5	93.8	96.9	99.4	99.6	98.4	98.6	98.7	99.1	99.2	99.4			
6017.6	1.66179	69.1	83.1	90.9	96.1	87.1	87.0	97.2	90.8	93.9	97.0	99.5	99.7	98.4	98.7	98.8	98.9	99.4	99.4			
6017.8	1.66174	70.1	84.1	91.5	96.4	88.2	87.8	97.5	91.0	94.1	97.1	99.5	99.7	98.4	98.8	98.9	98.9	99.4	99.4			
6018.0	1.66168	71.4	85.1	92.1	96.6	89.2	88.9	97.6	91.2	94.2	97.1	99.5	99.7	98.7	99.0	99.1	98.6	99.3	99.6			
6018.2	1.66163	73.3	85.9	92.5	96.7	89.9	89.8	98.0	91.3	94.3	97.2	99.5	99.7	98.8	99.1	99.4	98.6	99.3	99.6			
6018.4	1.66157	75.1	86.8	92.9	96.8	90.1	90.0	98.2	91.4	94.5	97.2	99.5	99.7	98.8	99.2	99.4	98.8	99.3	99.7			
6018.6	1.66152	76.4	87.4	93.1	97.0	90.3	90.1	98.4	91.5	94.6	97.3	99.5	99.6	98.9	99.0	99.4	98.9	99.2	99.7			
6018.8	1.66146	77.2	87.7	93.2	97.1	90.7	90.5	98.5	91.6	94.6	97.4	99.5	99.6	98.9	99.0	99.4	98.9	99.2	99.7			
6019.0	1.66141	78.1	88.3	93.5	97.3	91.1	91.1	98.7	91.6	94.6	97.4	99.5	99.6	99.0	99.0	99.4	98.9	99.2	99.7			
6019.2	1.66135	78.9	88.9	93.9	97.4	91.4	91.5	98.8	91.7	94.6	97.4	99.5	99.7	99.2	99.0	99.5	98.9	99.2	99.7			
6019.4	1.66130	79.5	89.4	94.1	97.6	91.7	92.1	99.1	91.7	94.6	97.4	99.5	99.7	99.4	99.1	99.5	98.9	99.2	99.7			
6019.6	1.66124	79.9	89.5	94.2	97.6	91.7	91.8	99.2	91.7	94.6	97.5	99.6	99.7	99.5	99.2	99.5	98.8	99.2	99.7			
6019.8	1.66118	79.4	89.5	94.0	97.5	91.3	90.2	98.8	91.8	94.6	97.5	99.6	99.7	99.7	99.5	99.5	98.8	99.3	99.7			
6020.0	1.66113	77.8	88.5	93.4	96.7	90.2	88.6	98.4	91.8	94.6	97.5	99.6	99.7	99.5	99.4	99.5	98.7	99.3	99.7			
6020.2	1.66107	75.6	87.2	92.7	96.5	88.7	87.6	98.0	91.8	94.6	97.5	99.6	99.7	99.3	99.4	99.4	98.5	99.3	99.7			
6020.4	1.66102	73.2	86.0	92.2	96.5	87.5	87.2	97.5	91.9	94.6	97.5	99.6	99.8	99.1	99.1	99.2	98.4	99.2	99.7			
6020.6	1.66096	72.1	85.5	92.1	96.7	87.2	87.5	97.4	91.9	94.6	97.5	99.6	99.8	98.8	99.0	99.1	98.4	99.2	99.6			
6020.8	1.66091	72.7	85.6	92.4	97.0	88.0	88.0	98.1	91.9	94.6	97.5	99.7	99.8	98.6	99.0	99.2	98.5	99.2	99.6			
6021.0	1.66085	74.7	86.6	93.1	97.4	89.5	91.1	98.9	92.0	94.6	97.5	99.7	99.8	98.7	99.0	99.3	98.6	99.1	99.3		100.0	100.0
6021.2	1.66080	77.0	88.1	93.9	97.6	90.9	92.3	99.1	92.0	94.6	97.5	99.7	99.8	99.0	99.0	99.4	98.6	99.1	99.3		100.0	100.0
6021.4	1.66074	79.1	89.3	94.6	97.8	91.8	93.5	99.2	92.0	94.6	97.5	99.7	99.8	99.2	99.0	99.4	98.7	99.1	99.5		100.0	100.0
6021.6	1.66069	80.2	89.8	94.7	97.7	92.1	93.4	99.2	92.0	94.6	97.5	99.7	99.8	99.2	99.3	99.5	98.8	99.1	99.8		100.0	100.0
6021.8	1.66063	80.5	90.0	94.7	97.8	92.0	93.2	99.3	92.0	94.6	97.6	99.7	99.8	99.4	99.4	99.5	98.9	99.1	99.8		100.0	100.0
6022.0	1.66058	80.7	90.1	94.7	97.8	91.9	91.8	99.2	91.9	94.6	97.5	99.6	99.8	99.5	99.4	99.7	98.9	99.2	99.9		100.0	100.0
6022.2	1.66052	80.4	90.0	94.5	97.7	92.0	91.5	99.2	91.8	94.6	97.5	99.6	99.8	99.5	99.5	99.7	99.2	99.3	99.9		100.0	100.0
6022.4	1.66047	79.3	89.7	94.4	97.8	91.5	90.9	99.2	91.7	94.6	97.5	99.5	99.8	99.7	99.5	99.5	99.3	99.3	99.8		100.0	100.0
6022.6	1.66041	77.5	89.1	93.9	97.7	90.3	90.3	99.0	91.6	94.5	97.5	99.6	99.8	99.7	99.5	99.5	99.2	99.2	99.5		100.0	100.0
6022.8	1.66036	76.2	88.2	93.5	97.6	89.9	89.7	98.5	91.8	94.5	97.4	99.6	99.8	99.6	99.4	99.5	99.1	99.2	99.7		100.0	100.0
6023.0	1.66030	74.4	86.8	93.3	97.6	88.6	88.6	98.2	91.9	94.4	97.5	99.4	99.8	99.4	99.2	99.4	99.1	99.2	99.8		100.0	100.0
6023.2	1.66025	72.2	85.5	91.6	96.9	87.4	87.1	98.1	90.7	94.2	97.4	99.7	99.8	99.1	99.1	99.3	99.1	99.1	99.8		100.0	100.0
6023.4	1.66019	69.9	84.3	91.0	95.9	86.5	86.1	98.0	90.3	93.9	97.4	99.7	99.8	98.9	99.0	99.2	98.9	99.0	99.8		100.0	100.0
6023.6	1.66014	68.2	83.4	90.8	95.7	85.7	85.9	97.8	90.0	93.7	97.3	99.7	99.8	98.9	98.8	99.0	98.8	99.0	99.6		100.0	100.0
6023.8	1.66008	67.7	82.8	90.6	95.5	85.5	85.7	97.7	89.8	93.6	97.2	99.6	99.8	98.9	98.6	98.8	98.9	98.9	99.6		100.0	100.0
6024.0	1.66003	67.5	82.7	90.5	95.4	85.7	85.6	97.6	89.7	93.3	97.1	99.6	99.7	98.9	98.6	98.8	98.9	98.9	99.6		100.0	100.0
6024.2	1.65997	66.9	82.4	90.2	95.3	85.4	84.9	97.3	89.5	93.1	97.1	99.5	99.7	98.9	98.5	98.8	99.2	98.9	99.5		100.0	100.0
6024.4	1.65992	66.2	81.8	89.8	94.8	84.3	84.1	97.2	89.2	92.9	96.9	99.5	99.7	98.9	98.4	98.7	99.2	99.0	99.5		100.0	100.0
6024.6	1.65986	65.0	80.9	89.3	94.6	83.9	83.2	96.9	88.9	92.6	96.6	99.4	99.7	98.8	98.4	98.8	98.9	99.0	99.6		100.0	100.0
6024.8	1.65981	63.5	79.6	88.7	94.0	82.8	82.3	96.4	88.5	92.4	96.7	99.4	99.7	98.8	98.5	98.7	98.7	98.9	99.5		100.0	100.0
6025.0	1.65975	61.9	78.4	88.1	93.6	81.7	81.5	95.9	88.3	92.1	96.5	99.3	99.7	98.6	98.6	98.6	98.5	98.8	99.5		100.0	100.0
6025.2	1.65970	60.0	77.4	87.5	93.4	81.0	80.5	95.8	88.0	91.8	96.5	99.3	99.6	98.4	98.6	98.4	98.4	98.6	99.5		100.0	100.0
6025.4	1.65964	58.4	76.4	86.9	93.4	80.4	80.0	95.7	87.7	91.6	96.4	99.2	99.6	98.3	98.4	98.5	98.4	98.6	99.5		100.0	100.0
6025.6	1.65959	56.9	75.2	86.3	93.5	79.8	79.7	95.5	87.4	91.5	96.3	99.2	99.6	98.2	98.2	98.3	98.4	98.4	99.5		100.0	100.0
6025.8	1.65953	56.0	75.3	85.8	93.2	79.4	79.5	95.5	87.3	91.2	96.3	99.1	99.5	98.1	98.0	98.3	98.4	98.2	99.5		100.0	100.0
6026.0	1.65948	55.5	74.9	85.7	93.1	79.1	79.5	95.4	86.5	90.9	96.1	99.1	99.4	98.0	97.9	97.9	98.4	98.2	99.5		100.0	100.0
6026.2	1.65942	55.2	74.7	85.7	92.9	78.8	79.3	95.1	86.3	90.7	96.1	99.1	99.4	97.9	97.8	97.8	98.3	98.2	99.4		100.0	100.0
6026.4	1.65937	54.5	74.4	85.5	92.7	78.3	79.0	95.0	86.0	90.5	96.0	99.0	99.4	97.6	97.7	97.8	98.2	98.2	99.4		100.0	100.0
6026.6	1.65931	54.1	73.9	85.4	92.5	78.2	78.8	94.9	85.6	90.4	95.7	98.9	99.4	97.5	97.5	97.6	98.1	98.2	99.4		100.0	100.0
6026.8	1.65926	53.4	73.4	85.1	92.3	77.7	78.1	94.7	85.3	90.1	95.5	98.7	99.4	97.3	97.2	98.0	98.7	98.4	99.4		100.0	100.0
6027.0	1.65920	52.3	72.5	84.5	91.9	77.2	75.2	94.3	85.0	89.6	95.4	98.7	99.3	98.1	97.1	95.9	98.7	98.6	99.4		100.0	100.0
6027.2	1.65915	50.8	71.3	83.7	91.4	76.5	74.7	93.5	84.7	89.2	95.0	98.5	99.2	98.0	97.0	97.8	98.7	98.0	99.3		100.0	100.0
6027.4	1.65909	49.0	70.1	83.0	91.0	75.9	74.4	93.0	84.4	88.9	94.8	98.3	99.1	97.8	97.0	97.7	98.7	98.1	99.4		100.0	100.0
6027.6	1.65904	47.5	68.9	82.6	91.0	73.7	72.9	93.2	84.2	88.6	94.5	98.1	99.0	97.7	97.0	97.5	98.3	98.6	99.4		100.0	100.0
6027.8	1.65898	46.8	67.9	82.2	91.2	73.0	73.2	93.3	83.9	88.2	94.3	98.0	99.2	97.5	97.1	97.4	98.2	98.5	99.5		100.0	100.0
6028.0	1.65893	46.7	67.8	82.1	91.3	73.1	74.1	93.4	83.5	88.1	94.2	98.0	99.1	97.4	97.0	97.2	98.1	98.2	99.3		100.0	100.0
6028.2	1.65887	47.4	68.4	82.6	91.4	73.8	75.4	94.1	83.8	88.3	94.3	98.0	99.1	97.5	97.2	97.2	98.1	98.1	99.3		100.0	100.0
6028.4	1.65881	48.5	69.3	83.4	91.8	74.9	75.5	94.1	83.9	88.5	94.4	98.1	99.1	97.1	97.1	97.4	98.1	98.1	99.3		100.0	100.0
6028.6	1.65876	48.7	69.4	83.5	92.0	75.1	75.6	94.1	82.9	88.4	94.5	98.1	99.1	97.1	97.1	97.5	98.1	98.4	99.3		100.0	100.0
6028.8	1.65870	48.0	68.9	83.4	91.9	74.6	75.4	94.1	82.6	88.1	94.3	98.0	99.1	97.4	97.1	97.5	98.1	98.4	99.4		100.0	100.0

6029.0	1.65865	46.3	82.1	89.[illegible]	94.[illegible]	93.[illegible]	94.[illegible]	95.[illegible]	92.[illegible]	87.[illegible]	94.8	97.[illegible]	99.[illegible]	97.8	97.[illegible]	97.[illegible]	98.7	99.6	99.4	100.0	100.[illegible]		
6029.2	1.65859	42.9	86.4	94.[illegible]	96.[illegible]	95.[illegible]	96.[illegible]	97.[illegible]	94.[illegible]	89.[illegible]	94.3	97.[illegible]	99.[illegible]	97.4	97.[illegible]	97.[illegible]	98.4	99.[illegible]	99.4	100.0	100.[illegible]		
6029.4	1.65854	39.4	83.4	92.[illegible]	94.[illegible]	93.[illegible]	94.[illegible]	95.[illegible]	92.[illegible]	87.[illegible]	94.2	97.[illegible]	99.[illegible]	97.5	97.[illegible]	97.[illegible]	98.1	99.2	99.5	100.0	100.[illegible]		
6029.6	1.65848	38.3	82.5	92.[illegible]	94.[illegible]	93.[illegible]	94.[illegible]	95.[illegible]	92.[illegible]	87.[illegible]	94.1	97.[illegible]	99.[illegible]	96.7	96.[illegible]	97.[illegible]	97.8	99.[illegible]	99.4	100.0	100.[illegible]		
6029.8	1.65843	40.2	82.5	92.[illegible]	94.[illegible]	93.[illegible]	94.[illegible]	95.[illegible]	92.[illegible]	87.[illegible]	94.1	97.[illegible]	99.[illegible]	96.[illegible]	96.[illegible]	96.[illegible]	97.6	97.9	98.7	100.0	100.[illegible]		
6030.0	1.65837	42.2	84.1	92.[illegible]	94.2	93.[illegible]	94.[illegible]	95.[illegible]	92.[illegible]	87.[illegible]	93.9	97.[illegible]	99.[illegible]	96.1	96.[illegible]	97.[illegible]	97.5	98.1	99.0	100.0	100.[illegible]		
6030.2	1.65832	44.5	85.7	94.[illegible]	96.5	95.[illegible]	96.[illegible]	97.[illegible]	94.[illegible]	89.[illegible]	93.8	97.[illegible]	99.[illegible]	96.4	96.[illegible]	97.[illegible]	97.8	98.5	99.2	99.9	100.[illegible]		
6030.4	1.65826	46.5	86.6	96.[illegible]	98.2	97.[illegible]	98.[illegible]	99.[illegible]	96.[illegible]	91.[illegible]	93.7	97.[illegible]	99.[illegible]	96.3	96.[illegible]	97.[illegible]	98.2	98.[illegible]	99.3	99.9	100.[illegible]		
6030.6	1.65821	43.1	85.8	95.[illegible]	98.1	97.[illegible]	98.[illegible]	99.[illegible]	96.[illegible]	91.[illegible]	93.5	97.[illegible]	99.[illegible]	97.1	97.[illegible]	97.[illegible]	98.2	98.4	99.3	99.9	100.[illegible]		
6030.8	1.65815	40.2	83.7	93.[illegible]	95.[illegible]	94.[illegible]	95.[illegible]	96.[illegible]	93.[illegible]	88.[illegible]	93.5	97.[illegible]	99.[illegible]	97.4	97.[illegible]	97.[illegible]	98.1	98.3	98.8	99.9	100.[illegible]		
6031.0	1.65810	37.4	81.4	91.[illegible]	93.[illegible]	92.[illegible]	93.[illegible]	94.[illegible]	91.[illegible]	86.[illegible]	93.4	96.[illegible]	98.[illegible]	96.9	97.[illegible]	98.[illegible]	98.8	99.1	98.6	99.9	100.[illegible]		
6031.2	1.65804	35.5	79.3	89.[illegible]	91.[illegible]	90.[illegible]	91.[illegible]	92.[illegible]	89.[illegible]	84.[illegible]	93.4	96.[illegible]	98.[illegible]	96.5	96.[illegible]	96.[illegible]	97.7	97.9	98.5	99.9	100.[illegible]		
6031.4	1.65799	36.4	79.4	89.[illegible]	91.[illegible]	90.[illegible]	91.[illegible]	92.[illegible]	89.[illegible]	84.[illegible]	93.3	96.[illegible]	98.[illegible]	95.3	95.[illegible]	96.[illegible]	97.6	97.9	98.5	99.9	100.[illegible]		
6031.6	1.65793	37.5	80.1	89.[illegible]	91.[illegible]	90.[illegible]	91.[illegible]	92.[illegible]	89.[illegible]	84.[illegible]	93.2	96.[illegible]	98.[illegible]	95.5	95.[illegible]	96.[illegible]	97.4	98.1	98.8	99.9	100.[illegible]		
6031.8	1.65788	39.1	81.4	90.[illegible]	92.[illegible]	91.[illegible]	92.[illegible]	93.[illegible]	90.[illegible]	85.[illegible]	93.1	96.[illegible]	98.[illegible]	95.3	95.[illegible]	96.[illegible]	97.3	98.2	98.9	99.9	100.[illegible]		
6032.0	1.65782	39.5	82.3	91.[illegible]	93.[illegible]	92.[illegible]	93.[illegible]	94.[illegible]	91.[illegible]	86.[illegible]	93.1	96.[illegible]	98.[illegible]	96.1	96.[illegible]	96.[illegible]	98.0	98.5	98.9	99.9	100.[illegible]		
6032.2	1.65777	38.1	81.4	90.[illegible]	92.[illegible]	91.[illegible]	92.[illegible]	93.[illegible]	90.[illegible]	85.[illegible]	93.0	96.[illegible]	98.[illegible]	96.2	96.[illegible]	96.[illegible]	98.0	98.1	98.8	99.9	100.[illegible]		
6032.4	1.65772	36.4	80.7	90.[illegible]	92.[illegible]	91.[illegible]	92.[illegible]	93.[illegible]	90.[illegible]	85.[illegible]	92.9	96.[illegible]	98.[illegible]	96.1	96.[illegible]	96.[illegible]	98.1	97.9	98.7	99.9	100.[illegible]		
6032.6	1.65766	35.5	79.7	89.[illegible]	91.[illegible]	90.[illegible]	91.[illegible]	92.[illegible]	89.[illegible]	84.[illegible]	92.8	96.[illegible]	98.[illegible]	96.2	96.[illegible]	96.[illegible]	97.9	97.9	98.7	99.9	100.[illegible]		
6032.8	1.65761	35.9	79.4	89.[illegible]	91.[illegible]	90.[illegible]	91.[illegible]	92.[illegible]	89.[illegible]	84.[illegible]	92.7	96.[illegible]	98.[illegible]	95.9	96.[illegible]	96.[illegible]	97.9	98.0	98.8	99.9	100.[illegible]		
6033.0	1.65755	34.9	79.2	89.[illegible]	91.[illegible]	90.[illegible]	91.[illegible]	92.[illegible]	89.[illegible]	84.[illegible]	92.7	96.[illegible]	98.[illegible]	95.8	96.[illegible]	96.[illegible]	98.0	97.9	98.8	99.9	100.[illegible]		
6033.2	1.65750	34.3	78.8	88.[illegible]	90.[illegible]	89.[illegible]	90.[illegible]	91.[illegible]	88.[illegible]	83.[illegible]	92.5	96.[illegible]	98.[illegible]	96.4	96.[illegible]	96.[illegible]	98.1	98.5	98.8	99.9	100.[illegible]		
6033.4	1.65744	32.8	77.4	88.[illegible]	90.[illegible]	89.[illegible]	90.[illegible]	91.[illegible]	88.[illegible]	83.[illegible]	92.5	96.[illegible]	98.[illegible]	96.1	96.[illegible]	96.[illegible]	98.2	98.[illegible]	98.7	99.9	100.[illegible]		
6033.6	1.65739	31.9	76.7	88.[illegible]	90.[illegible]	89.[illegible]	90.[illegible]	91.[illegible]	88.[illegible]	83.[illegible]	92.4	96.[illegible]	98.[illegible]	96.2	96.[illegible]	96.[illegible]	98.2	97.7	98.5	99.9	100.[illegible]		
6033.8	1.65733	31.9	76.3	87.[illegible]	89.[illegible]	88.[illegible]	89.[illegible]	90.[illegible]	87.[illegible]	82.[illegible]	92.2	96.[illegible]	98.[illegible]	96.0	96.[illegible]	96.[illegible]	98.1	97.6	98.4	99.9	100.[illegible]		
6034.0	1.65728	33.2	77.1	87.[illegible]	89.[illegible]	88.[illegible]	89.[illegible]	90.[illegible]	87.[illegible]	82.[illegible]	92.1	96.[illegible]	98.[illegible]	95.6	96.[illegible]	96.[illegible]	98.1	97.6	98.4	99.9	99.9		
6034.2	1.65722	36.4	79.3	89.[illegible]	91.[illegible]	90.[illegible]	91.[illegible]	92.[illegible]	89.[illegible]	84.[illegible]	92.1	96.[illegible]	98.[illegible]	95.1	96.[illegible]	96.[illegible]	98.1	97.6	98.5	99.9	99.9		
6034.4	1.65717	39.4	80.9	89.[illegible]	91.[illegible]	90.[illegible]	91.[illegible]	92.[illegible]	89.[illegible]	84.[illegible]	92.0	96.[illegible]	98.[illegible]	95.3	95.[illegible]	96.[illegible]	98.3	98.[illegible]	99.0	99.9	99.9		
6034.6	1.65711	39.5	81.5	89.[illegible]	91.[illegible]	90.[illegible]	91.[illegible]	92.[illegible]	89.[illegible]	84.[illegible]	91.9	96.[illegible]	98.[illegible]	95.7	96.[illegible]	96.[illegible]	98.3	98.4	99.0	99.9	99.9		
6034.8	1.65706	36.7	80.5	89.[illegible]	91.[illegible]	90.[illegible]	91.[illegible]	92.[illegible]	89.[illegible]	84.[illegible]	91.9	95.[illegible]	98.[illegible]	96.7	97.[illegible]	96.[illegible]	98.4	98.4	98.7	99.9	99.9		
6035.0	1.65700	31.3	76.5	87.[illegible]	89.[illegible]	88.[illegible]	89.[illegible]	90.[illegible]	87.[illegible]	82.[illegible]	91.8	95.[illegible]	98.[illegible]	96.6	96.[illegible]	96.[illegible]	98.4	98.[illegible]	98.3	99.9	99.9		
6035.2	1.65695	28.4	73.5	86.[illegible]	88.[illegible]	87.[illegible]	88.[illegible]	89.[illegible]	86.[illegible]	81.[illegible]	91.7	95.[illegible]	98.[illegible]	95.7	96.[illegible]	96.[illegible]	98.3	97.[illegible]	97.8	99.9	99.9		
6035.4	1.65689	29.8	72.4	85.[illegible]	87.[illegible]	86.[illegible]	87.[illegible]	88.[illegible]	85.[illegible]	80.[illegible]	91.7	95.[illegible]	98.[illegible]	94.6	94.[illegible]	95.[illegible]	97.7	97.[illegible]	97.7	99.9	99.9		
6035.6	1.65684	33.6	74.6	86.[illegible]	88.[illegible]	87.[illegible]	88.[illegible]	89.[illegible]	86.[illegible]	81.[illegible]	91.6	95.[illegible]	98.[illegible]	93.8	94.[illegible]	95.[illegible]	97.7	97.2	98.2	99.9	99.9		
6035.8	1.65678	38.6	78.2	88.[illegible]	90.[illegible]	89.[illegible]	90.[illegible]	91.[illegible]	88.[illegible]	83.[illegible]	91.5	95.[illegible]	98.[illegible]	93.9	94.[illegible]	95.[illegible]	97.9	97.6	98.9	99.9	99.9		
6036.0	1.65673	41.8	82.3	90.[illegible]	92.[illegible]	91.[illegible]	92.[illegible]	93.[illegible]	90.[illegible]	85.[illegible]	91.5	95.[illegible]	98.[illegible]	95.4	95.[illegible]	96.[illegible]	98.1	98.2	99.2	99.9	99.9		
6036.2	1.65667	40.9	82.7	90.[illegible]	92.[illegible]	91.[illegible]	92.[illegible]	93.[illegible]	90.[illegible]	85.[illegible]	91.5	95.[illegible]	98.[illegible]	97.3	95.[illegible]	96.[illegible]	98.4	98.4	99.1	99.9	99.9		
6036.4	1.65662	38.3	80.4	89.[illegible]	91.[illegible]	90.[illegible]	91.[illegible]	92.[illegible]	89.[illegible]	84.[illegible]	91.5	95.[illegible]	98.[illegible]	97.5	97.[illegible]	96.[illegible]	98.5	98.0	98.5	99.9	99.9		
6036.6	1.65656	38.7	84.1	92.[illegible]	94.[illegible]	93.[illegible]	94.[illegible]	95.[illegible]	92.[illegible]	87.[illegible]	91.4	95.[illegible]	98.[illegible]	96.5	96.[illegible]	96.[illegible]	97.7	97.8	98.1	99.9	99.9		
6036.8	1.65651	37.1	81.9	89.[illegible]	91.[illegible]	90.[illegible]	91.[illegible]	92.[illegible]	89.[illegible]	84.[illegible]	91.3	95.[illegible]	98.[illegible]	95.5	95.[illegible]	96.[illegible]	97.9	97.8	97.9	99.9	99.9		
6037.0	1.65645	27.1	69.8	81.[illegible]	85.[illegible]	83.[illegible]	85.[illegible]	87.[illegible]	84.[illegible]	78.[illegible]	91.2	95.[illegible]	98.[illegible]	94.3	93.[illegible]	94.[illegible]	97.1	95.[illegible]	98.0	99.4	99.4		
6037.2	1.65640	31.2	71.6	84.[illegible]	86.[illegible]	85.[illegible]	86.[illegible]	87.[illegible]	84.[illegible]	79.[illegible]	91.1	95.[illegible]	98.[illegible]	93.1	93.[illegible]	94.[illegible]	97.1	95.[illegible]	96.8	99.3	99.4		
6037.4	1.65634	35.3	74.2	86.[illegible]	88.[illegible]	87.[illegible]	88.[illegible]	89.[illegible]	86.[illegible]	81.[illegible]	91.1	95.[illegible]	98.[illegible]	93.4	93.[illegible]	94.[illegible]	97.5	97.[illegible]	98.3	99.3	99.4		
6037.6	1.65629	36.2	68.7	79.[illegible]	82.[illegible]	81.[illegible]	82.[illegible]	83.[illegible]	80.[illegible]	75.[illegible]	91.1	95.[illegible]	98.[illegible]	94.5	95.[illegible]	96.[illegible]	98.1	98.1	98.1	99.4	99.4		
6037.8	1.65623	36.9	69.3	79.[illegible]	82.[illegible]	81.[illegible]	82.[illegible]	83.[illegible]	80.[illegible]	75.[illegible]	91.0	95.[illegible]	98.[illegible]	95.2	95.[illegible]	96.[illegible]	98.4	98.2	98.3	99.4	99.4		
6038.0	1.65618	33.2	67.8	78.[illegible]	81.[illegible]	80.[illegible]	81.[illegible]	82.[illegible]	79.[illegible]	74.[illegible]	90.9	95.[illegible]	98.[illegible]	96.4	96.[illegible]	96.[illegible]	98.3	98.1	98.7	99.3	99.4		
6038.2	1.65612	29.1	64.3	74.[illegible]	77.[illegible]	76.[illegible]	77.[illegible]	78.[illegible]	75.[illegible]	70.[illegible]	90.9	95.[illegible]	98.[illegible]	96.2	96.[illegible]	96.[illegible]	97.9	97.6	98.5	99.3	99.4		
6038.4	1.65607	26.1	61.9	71.[illegible]	73.[illegible]	72.[illegible]	73.[illegible]	74.[illegible]	71.[illegible]	66.[illegible]	90.8	95.[illegible]	98.[illegible]	95.5	95.[illegible]	95.[illegible]	97.6	97.[illegible]	98.2	99.3	99.4		
6038.6	1.65601	24.2	59.3	69.[illegible]	72.[illegible]	71.[illegible]	72.[illegible]	73.[illegible]	70.[illegible]	65.[illegible]	90.8	95.[illegible]	98.[illegible]	94.8	94.[illegible]	95.[illegible]	97.5	97.2	98.1	99.4	99.4		
6038.8	1.65596	24.2	58.9	69.[illegible]	72.[illegible]	71.[illegible]	72.[illegible]	73.[illegible]	70.[illegible]	65.[illegible]	90.8	95.[illegible]	98.[illegible]	94.2	94.[illegible]	95.[illegible]	97.4	97.2	98.1	99.4	99.4		
6039.0	1.65590	24.7	58.5	69.[illegible]	72.[illegible]	71.[illegible]	72.[illegible]	73.[illegible]	70.[illegible]	65.[illegible]	90.7	95.[illegible]	98.[illegible]	94.1	94.[illegible]	95.[illegible]	97.4	97.[illegible]	98.2	99.4	99.4		
6039.2	1.65585	26.0	59.5	70.[illegible]	72.[illegible]	71.[illegible]	72.[illegible]	73.[illegible]	70.[illegible]	65.[illegible]	90.5	95.[illegible]	98.[illegible]	94.2	94.[illegible]	95.[illegible]	97.5	97.[illegible]	98.3	99.4	99.4		
6039.4	1.65579	27.5	61.5	71.[illegible]	73.[illegible]	72.[illegible]	73.[illegible]	74.[illegible]	71.[illegible]	66.[illegible]	90.5	95.[illegible]	98.[illegible]	94.3	94.[illegible]	95.[illegible]	97.6	97.[illegible]	98.2	99.7	99.4		
6039.6	1.65574	29.6	63.4	73.[illegible]	76.[illegible]	75.[illegible]	76.[illegible]	77.[illegible]	74.[illegible]	69.[illegible]	90.5	95.[illegible]	98.[illegible]	94.5	94.[illegible]	95.[illegible]	97.6	97.4	98.3	99.7	99.4		
6039.8	1.65568	32.1	65.6	74.[illegible]	77.[illegible]	76.[illegible]	77.[illegible]	78.[illegible]	75.[illegible]	70.[illegible]	90.4	95.[illegible]	98.[illegible]	94.8	95.[illegible]	96.[illegible]	98.0	97.4	98.5	99.7	99.4		
6040.0	1.65563	33.2	66.2	75.[illegible]	78.[illegible]	77.[illegible]	78.[illegible]	79.[illegible]	76.[illegible]	71.[illegible]	90.4	95.[illegible]	98.[illegible]	95.5	95.[illegible]	96.[illegible]	98.1	97.[illegible]	98.2	99.7	99.4		
6040.2	1.65557	31.4	65.2	74.[illegible]	77.[illegible]	76.[illegible]	77.[illegible]	78.[illegible]	75.[illegible]	70.[illegible]	90.3	95.[illegible]	98.[illegible]	95.7	95.[illegible]	96.[illegible]	98.1	97.[illegible]	98.2	99.7	99.4		
6040.4	1.65552	27.7	63.8	73.[illegible]	76.[illegible]	75.[illegible]	76.[illegible]	77.[illegible]	74.[illegible]	69.[illegible]	90.3	95.[illegible]	98.[illegible]	95.8	95.[illegible]	96.[illegible]	98.1	97.[illegible]	98.2	99.7	99.4		
6040.6	1.65546	24.1	61.6	71.[illegible]	74.[illegible]	73.[illegible]	74.[illegible]	75.[illegible]	72.[illegible]	67.[illegible]	90.2	95.[illegible]	98.[illegible]	95.5	95.[illegible]	96.[illegible]	98.0	97.[illegible]	98.2	99.7	99.4		
6040.8	1.65541	22.9	60.0	70.[illegible]	73.[illegible]	72.[illegible]	73.[illegible]	74.[illegible]	71.[illegible]	66.[illegible]	90.2	95.[illegible]	98.[illegible]	95.3	95.[illegible]	96.[illegible]	98.0	97.[illegible]	98.2	99.7	99.4		
6041.0	1.65534	24.3	61.7	72.[illegible]	75.[illegible]	74.[illegible]	75.[illegible]	76.[illegible]	73.[illegible]	68.[illegible]	90.1	95.[illegible]	98.[illegible]	95.6	95.[illegible]	96.[illegible]	98.0	97.[illegible]	98.2	99.7	99.4		
6041.2	1.65530	30.1	64.7	74.[illegible]	77.[illegible]	76.[illegible]	77.[illegible]	78.[illegible]	75.[illegible]	70.[illegible]	90.1	95.[illegible]	98.[illegible]	95.8	95.[illegible]	96.[illegible]	98.1	97.[illegible]	98.2	99.7	99.4		
6041.4	1.65525	35.5	65.1	74.[illegible]	77.[illegible]	76.[illegible]	77.[illegible]	78.[illegible]	75.[illegible]	70.[illegible]	90.0	95.[illegible]	98.[illegible]	95.9	95.[illegible]	96.[illegible]	98.1	97.[illegible]	98.2	99.7	99.4		
6041.6	1.65519	37.2	66.3	75.[illegible]	78.[illegible]	77.[illegible]	78.[illegible]	79.[illegible]	76.[illegible]	71.[illegible]	90.0	95.[illegible]	98.[illegible]	95.9	95.[illegible]	96.[illegible]	98.1	97.[illegible]	98.2	99.7	99.4		
6041.8	1.65514	34.5	67.1	77.[illegible]	80.[illegible]	79.[illegible]	80.[illegible]	81.[illegible]	78.[illegible]	73.[illegible]	89.9	95.[illegible]	98.[illegible]	96.2	96.[illegible]	96.[illegible]	98.2	98.[illegible]	98.3	99.7	99.4		
6042.0	1.65508	28.7	63.2	74.[illegible]	77.[illegible]	76.[illegible]	77.[illegible]	78.[illegible]	75.[illegible]	70.[illegible]	89.9	95.[illegible]	98.[illegible]	96.3	96.[illegible]	96.[illegible]	98.3	98.[illegible]	98.4	99.7	99.4		
6042.2	1.65503	22.4	48.3	59.[illegible]	62.[illegible]	61.[illegible]	62.[illegible]	63.[illegible]	60.[illegible]	55.[illegible]	89.8	95.[illegible]	98.[illegible]	95.4	95.[illegible]	95.[illegible]	96.9	97.[illegible]	97.5	99.7	99.4		
6042.4	1.65497	20.2	43.1	52.[illegible]	55.[illegible]	54.[illegible]	55.[illegible]	56.[illegible]	53.[illegible]	48.[illegible]	89.8	95.[illegible]	98.[illegible]	93.2	93.[illegible]	94.[illegible]	96.5	96.[illegible]	97.1	99.7	99.4		
6042.6	1.65492	20.7	41.5	51.[illegible]	54.[illegible]	53.[illegible]	54.[illegible]	55.[illegible]	52.[illegible]	47.[illegible]	89.7	95.[illegible]	98.[illegible]	91.3	92.[illegible]	93.[illegible]	96.1	95.[illegible]	97.0	99.7	99.4		
6042.8	1.65486	25.0	45.1	57.[illegible]	60.[illegible]	59.[illegible]	60.[illegible]	61.[illegible]	58.[illegible]	53.[illegible]	89.7	95.[illegible]	98.[illegible]	90.4	91.[illegible]	92.[illegible]	96.4	95.[illegible]	97.4	99.7	99.4		
6043.0	1.65481	30.[illegible]	50.[illegible]	72.[illegible]	75.[illegible]	74.[illegible]	75.[illegible]	76.[illegible]	73.[illegible]	68.[illegible]	89.6	95.[illegible]	98.[illegible]	91.5	92.[illegible]	93.[illegible]	97.0	97.[illegible]	98.2	99.7	99.4		
6043.2	1.65475	32.[illegible]	53.[illegible]	72.[illegible]	75.[illegible]	74.[illegible]	75.[illegible]	76.[illegible]	73.[illegible]	68.[illegible]	89.5	95.[illegible]	98.[illegible]	94.3	95.[illegible]	95.[illegible]	97.4	97.[illegible]	98.2	99.7	99.4		
6043.4	1.65470	31.[illegible]	54.3	72.[illegible]	75.[illegible]	74.[illegible]	75.[illegible]	76.[illegible]	73.[illegible]	68.[illegible]	89.5	95.[illegible]	98.[illegible]	95.7	96.[illegible]	96.[illegible]	98.3	98.[illegible]	98.3	99.7	99.4		
6043.6	1.65464	28.[illegible]	52.3	69.[illegible]	72.[illegible]	71.[illegible]	72.[illegible]	73.[illegible]	70.[illegible]	65.[illegible]	89.4	95.[illegible]	98.[illegible]	94.4	94.[illegible]	95.[illegible]	98.[illegible]	97.[illegible]	98.2	99.7	99.4		
6043.8	1.65459	22.[illegible]	47.9	63.[illegible]	66.[illegible]	65.[illegible]	66.[illegible]	67.[illegible]	64.[illegible]	59.[illegible]	89.4	95.[illegible]	98.[illegible]	95.3	95.[illegible]	96.[illegible]	97.8	97.[illegible]	98.5	99.7	99.4		
6044.0	1.65453	18.[illegible]	42.[illegible]	57.[illegible]	60.[illegible]	59.[illegible]	60.[illegible]	61.[illegible]	58.[illegible]	53.[illegible]	89.3	95.[illegible]	98.[illegible]	93.2	93.[illegible]	93.[illegible]	96.7	95.[illegible]	97.5	99.7	99.4		
6044.2	1.65448	15.[illegible]	39.[illegible]	54.[illegible]	57.[illegible]	56.[illegible]	57.[illegible]	58.[illegible]	55.[illegible]	50.[illegible]	89.3	95.[illegible]	98.[illegible]	91.7	92.[illegible]	93.[illegible]	96.5	95.[illegible]	97.3	99.7	99.4		
6044.4	1.65442	14.[illegible]	38.9	54.[illegible]	57.[illegible]	56.[illegible]	57.[illegible]	58.[illegible]	55.[illegible]	50.[illegible]	89.2	95.[illegible]	98.[illegible]	91.5	92.[illegible]	93.[illegible]	96.4	95.[illegible]	97.3	99.7	99.4		
6044.6	1.65437	20.[illegible]	39.6	54.[illegible]	57.[illegible]	56.[illegible]	57.[illegible]	58.[illegible]	55.[illegible]	50.[illegible]	89.2	95.[illegible]	98.[illegible]	90.1	91.[illegible]	92.[illegible]	96.4	95.[illegible]	97.3	99.7	99.4		
6044.8	1.65431	25.[illegible]	45.8	57.[illegible]	60.[illegible]	59.[illegible]	60.[illegible]	61.[illegible]	58.[illegible]	53.[illegible]	89.1	95.[illegible]	98.[illegible]	91.3	92.[illegible]	93.[illegible]	97.4	97.[illegible]	98.3	99.7	99.4		

Table 4-1 (cont'd)

Sam. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
p(atm)	2.50×10^{0}	2.53×10^{0}	2.53×10^{0}	2.50×10^{0}	2.00×10^{0}	1.00×10^{0}	1.00×10^{0}	1.46×10^{1}	1.00×10^{1}	1.00×10^{1}	1.00×10^{1}	1.00×10^{0}	2.30×10^{-1}	2.30×10^{-1}	1.16×10^{-1}	7.70×10^{-2}	7.70×10^{-2}	7.70×10^{-2}	3.87×10^{-2}	6.65×10^{-1}	6.65×10^{-1}
P_e(atm)	3.29×10^{0}	3.32×10^{0}	3.32×10^{0}	3.29×10^{0}	2.62×10^{0}	1.31×10^{0}	1.31×10^{0}	2.03×10^{1}	1.36×10^{1}	1.36×10^{1}	1.36×10^{1}	1.36×10^{1}	9.99×10^{-1}	3.00×10^{-1}	1.50×10^{-1}	$1.001_0 \times 10^{0}$	3.03×10^{-1}	$1.001_1 \times 10^{0}$	5.03×10^{-2}	1.31×10^{1}	8.65×10^{-1}
u (atm cm) STP	2.17×10^{5}	1.10×10^{5}	5.57×10^{4}	2.80×10^{4}	8.71×10^{4}	8.62×10^{4}	2.19×10^{4}	4.73×10^{4}	3.16×10^{4}	1.59×10^{4}	7.93×10^{3}	3.99×10^{3}	9.94×10^{3}	9.94×10^{3}	9.94×10^{3}	3.32×10^{3}	3.32×10^{3}	3.32×10^{3}	$3.32_3 \times 10^{3}$	$1.01_3 \times 10^{3}$	$1.01_3 \times 10^{3}$

ν (cm^{-1})	λ (micron)	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100
A045.0	1.45426	28.3	49.9	69.	82.5	62.3	64.9	84.7	64.6	74.7	86.9	94.2	97.1	93.9	94.1	95.5	97.9	97.9	98.5		99.7	99.1
A045.2	1.45420	28.7	51.4	69.1	82.3	61.4	64.6	84.8	64.2	74.5	86.7	94.3	97.0	95.5	94.1	96.4	97.9	98.6	99.1		99.7	99.5
A045.4	1.45415	25.7	49.6	69.1	82.3	64.3	65.4	87.0	63.9	73.7	86.9	94.2	97.0	95.9	93.9	96.5	97.9	97.9	98.4		99.7	99.1
A045.6	1.45410	21.5	45.0	67.1	80.4	59.1	61.9	83.2	63.3	73.0	86.1	93.8	96.9	95.7	93.6	95.9	96.9	96.9	98.2		99.7	99.5
A045.8	1.45404	15.2	39.6	64.0	78.4	44.0	55.0	79.5	62.7	72.5	85.7	93.7	96.8	95.3	94.5	96.0	96.1	97.5			99.7	99.5
A046.0	1.45399	14.0	34.5	54.0	73.1	39.5	51.0	77.7	62.2	72.2	85.5	93.7	96.8	90.4	92.	95.6	95.5	95.4	95.9		99.6	99.1
A046.2	1.45393	14.0	33.3	55.4	74.4	40.1	47.9	78.5	61.6	72.0	85.5	93.6	96.6	89.3	91.4	93.5	95.3	95.2	96.5		99.5	99.4
A046.4	1.45388	17.5	36.3	57.4	78.2	46.5	49.4	83.5	61.1	71.9	85.2	93.5	96.5	88.9	91.7	93.9	96.3	95.7	96.3		99.4	99.4
A046.6	1.45383	22.7	41.7	64.0	81.3	54.7	55.7	87.4	60.6	71.7	85.1	93.4	96.5	90.8	91.9	94.5	96.7	95.6	97.3		99.4	99.5
A046.8	1.45377	24.9	46.1	66.9	81.8	58.9	58.6	88.1	60.2	71.4	84.9	93.3	96.4	93.7	93.3	94.9	97.4	97.6	98.0		99.3	99.4
A047.0	1.45371	24.0	47.1	65.	78.6	57.9	56.9	87.6	59.8	71.6	84.7	93.1	96.3	96.1	95.7	95.0	97.3	97.6	98.3		99.3	99.5
A047.2	1.45366	21.8	44.8	61.6	6.2	53.1	55.5	84.9	59.4	69.9	84.4	93.0	95.8	95.5	97.1	94.9	96.7	97.5	98.4		99.3	99.5
A047.4	1.45360	17.7	40.6	57.0	82.7	46.4	53.9	81.0	58.3	69.2	84.0	93.8	95.2	93.3	95.4	94.1	95.4	95.5	96.2		99.3	99.4
A047.6	1.45355	14.1	34.2	52.7	80.2	39.1	53.1	76.5	58.3	69.4	83.7	93.4	95.1	91.2	93.2	93.5	94.9	95.1	97.4		99.3	99.5
A047.8	1.45349	11.4	29.8	50.1	79.5	34.1	45.3	74.5	57.7	68.6	83.5	93.0	95.1	88.5	91.7	93.3	94.5	94.5	96.5		99.3	99.5
A048.0	1.45344	11.9	29.1	51.4	72.5	35.9	47.6	76.6	57.1	68.6	83.4	93.0	95.0	87.2	90.7	93.2	94.9	94.8	96.3		99.2	99.5
A048.2	1.45338	15.8	32.9	55.1	77.4	43.9	45.4	81.0	56.6	68.4	83.2	93.0	95.0	87.9	89.9	93.2	95.3	95.6	96.4		99.2	99.4
A048.4	1.45333	20.7	38.5	59.5	79.5	53.1	54.4	86.2	56.2	67.9	83.1	93.2	95.4	90.4	91.6	93.2	97.0	97.5	97.3		99.2	99.4
A048.6	1.45328	22.5	43.2	64.4	79.3	57.6	55.3	88.5	55.8	67.2	82.7	93.1	95.8	92.9	93.5	96.7	97.8	98.4	98.4		99.2	99.5
A048.8	1.45322	22.1	44.5	63.6	80.5	56.4	57.1	87.3	55.3	66.5	82.4	93.0	95.6	95.9	97.2	96.1	97.6	98.1	99.1		99.1	99.5
A049.0	1.45317	18.5	41.5	57.4	72.3	51.1	53.3	82.3	54.6	65.9	82.1	92.7	95.5	95.7	97.1	95.2	96.4	97.4	99.1		99.1	99.6
A049.2	1.45311	14.5	36.1	51.5	67.5	43.1	55.0	76.7	53.9	65.4	81.5	92.5	95.3	93.1	95.5	94.3	95.1	95.6	96.5		99.1	99.5
A049.4	1.45306	11.9	29.9	43.2	55.4	33.9	48.5	72.7	53.3	65.1	81.3	92.3	95.2	89.7	92.7	93.5	94.1	94.5	97.1		98.9	99.5
A049.6	1.45300	10.7	26.4	44.5	59.7	30.8	43.7	73.3	52.9	64.9	81.1	92.1	95.1	86.9	91.2	93.1	93.4	94.2	96.7		98.9	99.5
A049.8	1.45295	11.5	27.3	43.7	61.5	35.2	44.9	77.5	52.4	64.6	81.0	91.9	95.0	85.4	89.5	94.2	93.3	94.5	95.3		98.9	99.2
A050.0	1.45289	14.7	31.1	53.7	75.3	43.9	53.1	83.5	51.9	64.4	80.8	92.6	95.0	86.0	88.7	93.5	95.5	95.8	96.5		98.9	99.5
A050.2	1.45284	18.2	36.2	58.0	77.2	51.5	51.7	87.1	51.5	64.0	80.5	92.7	94.9	89.2	91.7	96.2	96.4	97.3	97.5		98.9	99.5
A050.4	1.45278	19.7	40.0	61.7	75.5	52.9	55.4	87.0	51.1	63.3	80.2	92.6	94.8	93.3	94.9	96.5	97.2	98.2	98.7		98.9	99.5
A050.6	1.45273	17.5	40.2	59.4	78.2	48.9	52.4	82.9	50.5	62.5	79.8	92.4	94.6	95.4	95.8	96.3	97.1	98.0	99.1		98.8	99.5
A050.8	1.45267	13.2	35.7	54.0	75.5	42.8	54.1	78.6	49.9	61.8	79.5	92.3	94.6	94.7	95.8	95.3	96.3	95.9	98.7		98.8	99.4
A051.0	1.45262	10.6	30.3	47.5	62.5	35.5	44.6	71.5	49.4	61.3	78.8	89.9	94.5	91.9	94.8	93.8	94.4	95.2	97.5		98.9	99.4
A051.2	1.45256	8.1	25.0	43.5	62.2	27.5	39.9	69.5	48.8	60.9	78.5	88.7	94.4	88.1	91.8	92.7	92.7	93.6	96.5		98.8	99.5
A051.4	1.45251	7.5	21.5	42.2	64.5	26.7	37.9	72.1	48.2	60.6	78.3	94.6	94.3	84.5	89.2	92.5	92.1	93.5	95.5		98.8	99.5
A051.6	1.45244	7.5	22.1	44.8	65.5	33.0	42.2	78.2	47.5	60.5	78.2	88.5	94.2	83.7	87.6	93.2	92.9	94.0	95.7		98.8	99.1
A051.8	1.45240	10.2	27.5	49.5	66.9	41.3	52.5	83.5	47.1	58.3	77.9	94.3	94.1	85.1	88.9	94.1	94.8	95.6	96.3		98.7	99.5
A052.0	1.45235	13.5	32.2	55.1	69.3	47.1	59.5	85.7	46.5	58.8	77.7	93.2	94.0	88.9	90.8	95.3	96.2	97.1	97.4		98.7	99.4
A052.2	1.45229	14.5	34.4	55.9	69.5	47.5	59.2	83.4	46.2	59.0	77.4	89.0	94.0	92.7	93.6	96.2	96.8	98.1	98.3		98.7	99.3
A052.4	1.45224	12.9	33.5	54.0	69.9	43.1	55.1	77.5	45.7	58.2	77.1	87.8	93.9	94.6	95.5	95.7	96.2	98.0	98.4		98.7	99.0
A052.6	1.45218	9.9	30.1	49.4	68.1	36.6	45.5	71.2	45.2	57.6	76.7	87.6	93.8	93.5	95.7	94.6	94.4	95.5	97.5		98.7	99.4
A052.8	1.45213	6.9	24.9	41.6	58.3	29.0	39.0	67.5	44.5	57.2	76.3	87.4	93.7	89.5	94.2	92.5	92.7	94.7	96.7		98.7	99.4
A053.0	1.45207	5.8	20.0	37.6	60.5	23.4	35.6	67.1	44.2	56.8	76.1	87.2	93.7	86.1	91.1	92.1	91.7	93.9	95.7		98.5	99.4
A053.2	1.45202	5.3	18.2	37.4	65.0	25.3	39.2	72.5	43.7	56.6	75.8	87.1	93.6	83.2	89.0	92.3	91.5	93.0	94.7		98.5	99.5
A053.4	1.45196	7.1	18.8	41.5	70.1	32.1	47.5	79.9	43.3	56.6	75.5	86.9	93.5	82.1	85.8	93.2	92.2	93.6	95.5		98.5	99.4
A053.6	1.45191	8.9	24.0	45.4	71.0	40.2	55.1	84.1	42.8	56.3	75.4	86.8	93.4	83.9	87.9	94.2	94.5	95.3	96.7		98.5	99.0
A053.8	1.45186	10.5	28.7	51.7	68.5	44.4	57.8	83.9	42.4	55.8	75.1	86.7	93.3	87.9	89.6	96.0	96.2	97.2	97.9		98.5	99.2
A054.0	1.45180	11.8	30.4	51.1	63.9	43.4	55.2	79.7	41.9	55.3	74.7	86.6	93.2	92.1	93.8	95.8	96.7	98.1	98.6		98.5	99.1
A054.2	1.45175	9.7	29.0	47.6	58.5	38.3	48.1	73.2	41.4	54.6	74.3	86.4	93.1	94.5	95.4	94.5	96.4	97.4	98.3		98.4	99.4
A054.4	1.45169	7.8	25.3	42.6	55.1	30.8	39.1	67.2	41.0	53.9	73.9	86.1	93.0	92.9	95.7	93.4	94.2	94.9	97.0		98.4	99.4
A054.6	1.45164	5.4	20.8	35.6	55.2	22.9	33.9	64.7	40.5	53.4	73.4	85.8	92.9	88.5	93.5	91.9	91.9	93.3	95.4		98.4	99.2
A054.8	1.45158	4.3	16.9	34.0	59.9	20.3	34.5	68.4	40.1	53.3	73.3	85.7	92.9	84.0	89.1	91.7	90.7	92.4	94.4		98.4	99.3
A055.0	1.45153	4.7	16.2	33.4	65.3	24.3	42.2	75.3	39.7	52.9	73.1	85.7	92.8	81.8	85.5	92.1	90.7	92.6	94.5		98.4	99.2
A055.2	1.45147	6.0	18.2	43.8	68.2	31.9	51.5	82.0	39.3	52.6	73.0	85.6	92.8	80.4	85.6	92.3	91.9	93.8	95.5		98.4	99.4
A055.4	1.45142	7.5	22.1	45.5	66.8	38.5	55.4	82.7	38.9	52.4	72.7	85.4	92.7	82.7	87.0	95.3	93.9	95.6	97.3		98.4	99.1
A055.6	1.45136	8.7	26.2	48.5	62.2	40.5	59.6	78.1	38.5	52.1	72.4	85.2	92.5	87.5	90.5	95.3	95.7	97.6	98.1		98.4	99.4
A055.8	1.45131	9.3	26.9	45.5	56.1	37.5	55.7	71.3	38.1	51.7	72.1	85.0	92.4	92.9	95.7	95.4	96.5	98.0	98.5		98.3	99.7
A056.0	1.45125	7.4	24.0	39.2	52.3	31.5	37.8	65.4	37.7	50.9	71.5	84.8	92.5	93.3	95.6	94.0	94.7	95.5	97.9		98.3	99.4
A056.2	1.45120	5.0	19.4	34.5	51.9	24.5	31.8	63.0	37.3	50.4	71.2	84.6	92.2	91.0	95.6	91.9	92.6	94.4	96.2		98.3	99.4
A056.4	1.45115	3.9	15.7	31.2	55.7	18.4	31.5	66.7	37.0	50.0	70.8	84.4	92.1	86.0	91.2	90.4	91.1	92.7	95.0		98.3	99.7
A056.6	1.45109	3.8	13.5	31.5	61.4	18.0	40.5	74.7	36.6	49.6	70.7	84.3	92.1	81.1	87.2	90.0	90.1	91.7	94.4		98.3	99.8
A056.8	1.45104	4.4	14.0	34.4	64.9	25.8	47.5	80.5	36.3	49.5	70.7	84.3	92.0	78.5	84.8	90.2	90.1	91.9	95.0		98.3	99.3
A057.0	1.45098	5.5	17.1	41.2	64.7	32.5	51.5	81.5	35.9	49.5	70.5	84.2	92.0	78.7	84.8	92.0	91.8	93.5	96.3		98.3	99.6
A057.2	1.45093	6.8	20.1	44.9	60.9	36.4	50.1	78.9	35.5	49.3	70.3	84.0	91.9	81.5	87.8	93.5	94.8	95.9	97.5		98.3	99.8
A057.4	1.45087	6.7	22.7	43.4	55.2	36.4	44.2	73.0	35.1	48.8	70.0	83.8	91.8	88.4	92.0	94.0	95.5	97.5	98.3		98.3	99.8
A057.6	1.45082	6.0	22.2	40.1	50.3	32.7	35.8	65.0	34.7	48.4	69.7	83.6	91.7	91.9	95.2	93.5	95.2	97.5	98.2		98.2	99.4
A057.8	1.45076	4.5	19.2	34.6	49.1	26.4	30.5	60.2	34.5	48.0	69.4	83.4	91.6	91.2	95.9	92.3	93.5	95.3	96.5		98.2	99.1

Table 4-1 (cont'd)

Sam. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
p(atm)	2.50 x 10^{0}	2.53 x 10^{0}	2.53 x 10^{0}	2.50 x 10^{0}	2.00 x 10^{0}	1.00 x 10^{0}	1.00 x 10^{0}	1.46 x 10^{-1}	1.00 x 10^{1}	1.00 x 10^{1}	1.00 x 10^{1}	1.60 x 10^{0}	2.30 x 10^{-1}	2.30 x 10^{-1}	1.15 x 10^{-1}	7.20 x 10^{-2}	7.20 x 10^{-2}	7.20 x 10^{-2}	3.87 x 10^{-2}	6.65 x 10^{-1}	6.65 x 10^{-1}
P_e(atm)	3.29 x 10^{0}	3.32 x 10^{0}	3.32 x 10^{0}	3.29 x 10^{0}	2.62 x 10^{0}	1.31 x 10^{0}	1.31 x 10^{0}	2.03 x 10^{1}	1.36 x 10^{1}	1.36 x 10^{1}	1.36 x 10^{1}	1.36 x 10^{1}	9.99 x 10^{-1}	3.00 x 10^{-1}	1.50 x 10^{-1}	1.001 x 10^{0}	3.03 x 10^{-1}	1.001 x 10^{-1}	5.03 x 10^{-2}	1.31 x 10^{1}	8.65 x 10^{-1}
u (atm cm) STP	2.17 x 10^{5}	1.10 x 10^{5}	5.57 x 10^{4}	2.60 x 10^{4}	4.71 x 10^{4}	5.62 x 10^{4}	2.19 x 10^{4}	4.73 x 10^{4}	3.16 x 10^{4}	1.59 x 10^{4}	7.93 x 10^{3}	3.99 x 10^{3}	9.94 x 10^{3}	9.94 x 10^{3}	9.94 x 10^{3}	3.32 x 10^{3}	3.32 x 10^{3}	3.32 x 10^{3}	3.32 x 10^{3}	1.01 x 10^{3}	1.01 x 10^{3}

ν (cm^{-1})	λ (micron)	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100
[illegible]	1.44436	25.0	46.8	53.0	[illegible]	57.5	65.[illegible]	[illegible]	58.1	71.5	82.1	[illegible]	95.0	96.2	95.[illegible]	96.4	97.7	97.3	99.2		99.1	[illegible]
[illegible]	1.44431	24.2	48.4	53.8	[illegible]	55.1	63.4	[illegible]	58.3	72.5	85.5	[illegible]	95.1	95.4	96.0	97.4	97.1	98.7			99.2	99.7
[illegible]	1.44425	23.4	48.1	53.[illegible]	[illegible]	54.1	59.9	86.2	59.5	73.3	86.1	[illegible]	93.9	[illegible]	96.2	97.3	97.6	98.3			99.2	99.7
[illegible]	1.44420	23.5	47.4	53.1	[illegible]	56.3	63.[illegible]	[illegible]	60.4	74.2	86.7	[illegible]	93.4	[illegible]	96.2	97.4	97.1	98.0			99.3	99.7
[illegible]	1.44414	27.2	48.3	70.4	[illegible]	62.3	67.6	90.2	61.1	75.0	87.2	[illegible]	94.1	[illegible]	97.3	97.8	97.7	98.3			99.3	99.8
[illegible]	1.44409	34.5	52.1	75.[illegible]	[illegible]	70.3	68.8	93.5	61.3	75.[illegible]	87.5	[illegible]	95.5	[illegible]	98.3	98.2	98.5	98.3			99.3	99.4
[illegible]	1.44404	42.1	58.7	79.[illegible]	[illegible]	78.4	77.9	[illegible]	62.7	75.[illegible]	[illegible]	[illegible]	97.3	[illegible]	[illegible]	98.5	98.5	99.0			99.3	100.0
[illegible]	1.44398	49.5	66.3	83.1	[illegible]	80.3	83.4	96.2	63.4	77.3	[illegible]	[illegible]	98.0	[illegible]	[illegible]	98.5	99.1	99.1			99.3	100.0
[illegible]	1.44393	52.6	71.3	84.6	[illegible]	81.9	86.2	[illegible]	63.9	78.0	[illegible]	[illegible]	99.0	[illegible]	[illegible]	99.2	99.2	99.2			99.3	100.0
[illegible]	1.44387	53.8	73.0	84.6	[illegible]	80.7	87.0	[illegible]	64.2	78.4	[illegible]	[illegible]	99.4	[illegible]	[illegible]	99.2	99.1	99.5			99.4	100.0
[illegible]	1.44382	51.5	72.8	[illegible]	[illegible]	78.4	[illegible]	[illegible]	64.5	78.6	[illegible]	[illegible]	99.4	[illegible]	[illegible]	99.1	[illegible]	[illegible]			99.4	100.0
[illegible]	1.44377	48.1	70.5	[illegible]	[illegible]	74.7	[illegible]	[illegible]	64.7	[illegible]	[illegible]	[illegible]	98.8	[illegible]	[illegible]	98.4	[illegible]	[illegible]			99.4	100.0
[illegible]	1.44371	43.1	67.2	[illegible]	[illegible]	70.8	77.4	[illegible]	64.7	[illegible]	[illegible]	[illegible]	97.9	[illegible]	[illegible]	98.3	[illegible]	[illegible]			99.4	100.0
[illegible]	1.44366	38.6	64.1	[illegible]	[illegible]	68.1	[illegible]	[illegible]	64.8	[illegible]	[illegible]	[illegible]	97.2	[illegible]	[illegible]	97.2	[illegible]	[illegible]			99.4	100.0
[illegible]	1.44360	36.1	[illegible]	[illegible]	[illegible]	66.3	[illegible]	[illegible]	64.6	[illegible]	[illegible]	[illegible]	96.7	[illegible]	[illegible]	97.9	[illegible]	[illegible]			99.4	100.0
[illegible]	1.44355	35.0	[illegible]	[illegible]	[illegible]	67.1	[illegible]	[illegible]	64.1	[illegible]	[illegible]	[illegible]	96.5	[illegible]	[illegible]	98.1	[illegible]	[illegible]			99.4	100.0
[illegible]	1.44349	35.[illegible]	[illegible]	[illegible]	[illegible]	68.4	[illegible]	[illegible]	63.5	[illegible]	[illegible]	[illegible]	96.7	[illegible]	[illegible]	98.4	[illegible]	[illegible]			99.4	100.0
[illegible]	1.44344	33.5	57.4	[illegible]	[illegible]	67.3	[illegible]	[illegible]	62.9	[illegible]	[illegible]	[illegible]	97.3	[illegible]	[illegible]	98.3	[illegible]	[illegible]			99.4	99.9
[illegible]	1.44339	29.4	54.0	[illegible]	[illegible]	63.5	[illegible]	[illegible]	62.0	[illegible]	[illegible]	[illegible]	96.9	[illegible]	[illegible]	97.6	[illegible]	[illegible]			99.4	99.8
[illegible]	1.44333	24.4	49.3	[illegible]	[illegible]	58.8	[illegible]	[illegible]	60.9	[illegible]	[illegible]	[illegible]	95.0	[illegible]	[illegible]	96.3	[illegible]	[illegible]			99.4	99.7
[illegible]	1.44328	19.4	44.1	[illegible]	[illegible]	49.2	[illegible]	[illegible]	59.4	[illegible]	[illegible]	[illegible]	92.3	[illegible]	[illegible]	96.2	[illegible]	[illegible]			99.4	99.7
[illegible]	1.44322	15.3	38.7	[illegible]	[illegible]	43.1	[illegible]	[illegible]	58.7	[illegible]	[illegible]	[illegible]	90.6	[illegible]	[illegible]	95.8	[illegible]	[illegible]			99.4	99.6
[illegible]	1.44317	13.2	35.0	[illegible]	[illegible]	41.4	[illegible]	[illegible]	57.4	[illegible]	[illegible]	[illegible]	90.2	[illegible]	[illegible]	96.1	[illegible]	[illegible]			99.4	99.7
[illegible]	1.44312	13.4	34.3	[illegible]	[illegible]	44.3	[illegible]	[illegible]	56.1	[illegible]	[illegible]	[illegible]	91.1	[illegible]	[illegible]	96.3	[illegible]	[illegible]			99.3	99.7
[illegible]	1.44306	14.5	35.9	[illegible]	[illegible]	48.4	[illegible]	[illegible]	54.8	[illegible]	[illegible]	[illegible]	92.4	[illegible]	[illegible]	96.3	[illegible]	[illegible]			99.3	99.7
[illegible]	1.44301	15.3	36.6	[illegible]	[illegible]	49.6	[illegible]	[illegible]	53.5	[illegible]	[illegible]	[illegible]	94.5	[illegible]	[illegible]	96.9	[illegible]	[illegible]			99.3	99.7
[illegible]	1.44295	13.3	34.5	[illegible]	[illegible]	45.9	[illegible]	[illegible]	52.2	[illegible]	[illegible]	[illegible]	93.3	[illegible]	[illegible]	95.6	[illegible]	[illegible]			99.2	99.6
[illegible]	1.44290	9.5	29.1	[illegible]	[illegible]	37.8	[illegible]	[illegible]	50.9	[illegible]	[illegible]	[illegible]	90.3	[illegible]	[illegible]	94.6	[illegible]	[illegible]			99.2	99.5
[illegible]	1.44285	6.9	23.9	[illegible]	[illegible]	31.1	[illegible]	[illegible]	49.7	[illegible]	[illegible]	[illegible]	87.2	[illegible]	[illegible]	93.7	[illegible]	[illegible]			99.1	99.3
[illegible]	1.44279	5.9	20.9	[illegible]	[illegible]	27.4	[illegible]	[illegible]	48.4	[illegible]	[illegible]	[illegible]	85.3	[illegible]	[illegible]	93.4	[illegible]	[illegible]			99.0	99.0
[illegible]	1.44274	5.8	20.9	[illegible]	[illegible]	28.9	[illegible]	[illegible]	47.2	[illegible]	[illegible]	[illegible]	85.7	[illegible]	[illegible]	95.2	[illegible]	[illegible]			99.0	99.6
[illegible]	1.44269	6.5	22.4	[illegible]	[illegible]	34.0	[illegible]	[illegible]	46.1	[illegible]	[illegible]	[illegible]	88.7	[illegible]	[illegible]	96.1	[illegible]	[illegible]			99.0	99.1
[illegible]	1.44263	7.2	24.0	[illegible]	[illegible]	37.5	[illegible]	[illegible]	45.0	[illegible]	[illegible]	[illegible]	91.7	[illegible]	[illegible]	96.9	[illegible]	[illegible]			99.1	99.2
[illegible]	1.44257	6.4	23.9	[illegible]	[illegible]	36.4	[illegible]	[illegible]	43.8	[illegible]	[illegible]	[illegible]	92.1	[illegible]	[illegible]	96.8	[illegible]	[illegible]			98.9	99.1
[illegible]	1.44252	5.9	21.0	[illegible]	[illegible]	31.7	[illegible]	[illegible]	42.5	[illegible]	[illegible]	[illegible]	89.3	[illegible]	[illegible]	93.8	[illegible]	[illegible]			98.8	99.3
[illegible]	1.44447	4.0	16.8	[illegible]	[illegible]	25.5	[illegible]	[illegible]	41.5	[illegible]	[illegible]	[illegible]	85.0	[illegible]	[illegible]	91.9	[illegible]	[illegible]			98.7	99.6
[illegible]	1.44441	3.5	14.0	[illegible]	[illegible]	20.1	[illegible]	[illegible]	40.4	[illegible]	[illegible]	[illegible]	81.3	[illegible]	[illegible]	92.3	[illegible]	[illegible]			98.6	99.6
[illegible]	1.44435	3.1	13.8	[illegible]	[illegible]	19.5	[illegible]	[illegible]	39.3	[illegible]	[illegible]	[illegible]	80.7	[illegible]	[illegible]	93.4	[illegible]	[illegible]			98.5	99.5
[illegible]	1.44430	3.3	15.1	[illegible]	[illegible]	24.3	[illegible]	[illegible]	38.3	[illegible]	[illegible]	[illegible]	83.4	[illegible]	[illegible]	94.4	[illegible]	[illegible]			98.5	99.6
[illegible]	1.44425	3.4	17.0	[illegible]	[illegible]	28.7	[illegible]	[illegible]	37.4	[illegible]	[illegible]	[illegible]	86.9	[illegible]	[illegible]	95.3	[illegible]	[illegible]			98.4	99.4
[illegible]	1.44420	4.0	17.5	[illegible]	[illegible]	29.2	[illegible]	[illegible]	36.5	[illegible]	[illegible]	[illegible]	89.1	[illegible]	[illegible]	94.5	[illegible]	[illegible]			98.3	99.8
[illegible]	1.44414	3.4	16.2	[illegible]	[illegible]	26.3	[illegible]	[illegible]	35.6	[illegible]	[illegible]	[illegible]	88.4	[illegible]	[illegible]	93.1	[illegible]	[illegible]			98.1	99.5
[illegible]	1.44409	2.6	13.7	[illegible]	[illegible]	21.2	[illegible]	[illegible]	34.7	[illegible]	[illegible]	[illegible]	84.3	[illegible]	[illegible]	91.5	[illegible]	[illegible]			98.1	99.3
[illegible]	1.44403	2.3	11.3	[illegible]	[illegible]	16.1	[illegible]	[illegible]	33.9	[illegible]	[illegible]	[illegible]	80.5	[illegible]	[illegible]	90.4	[illegible]	[illegible]			97.9	99.0
[illegible]	1.44398	1.8	10.0	[illegible]	[illegible]	14.2	[illegible]	[illegible]	33.1	[illegible]	[illegible]	[illegible]	77.7	[illegible]	[illegible]	90.2	[illegible]	[illegible]			97.7	99.1
[illegible]	1.44393	1.9	10.8	[illegible]	[illegible]	17.5	[illegible]	[illegible]	32.3	[illegible]	[illegible]	[illegible]	78.1	[illegible]	[illegible]	92.5	[illegible]	[illegible]			97.7	99.2
[illegible]	1.44387	2.4	12.1	[illegible]	[illegible]	23.4	[illegible]	[illegible]	31.6	[illegible]	[illegible]	[illegible]	81.4	[illegible]	[illegible]	93.9	[illegible]	[illegible]			97.6	99.2
[illegible]	1.44382	2.7	13.7	[illegible]	[illegible]	25.7	[illegible]	[illegible]	31.0	[illegible]	[illegible]	[illegible]	85.5	[illegible]	[illegible]	95.1	[illegible]	[illegible]			97.6	99.5
[illegible]	1.44376	2.4	13.2	[illegible]	[illegible]	24.8	[illegible]	[illegible]	30.4	[illegible]	[illegible]	[illegible]	87.2	[illegible]	[illegible]	93.4	[illegible]	[illegible]			97.6	99.6
[illegible]	1.44371	2.1	12.6	[illegible]	[illegible]	23.3	[illegible]	[illegible]	29.9	[illegible]	[illegible]	[illegible]	86.3	[illegible]	[illegible]	91.1	[illegible]	[illegible]			97.5	99.3
[illegible]	1.44366	1.6	10.4	[illegible]	[illegible]	15.4	[illegible]	[illegible]	29.3	[illegible]	[illegible]	[illegible]	81.7	[illegible]	[illegible]	88.3	[illegible]	[illegible]			97.5	99.6
[illegible]	1.44360	1.2	8.5	[illegible]	[illegible]	13.0	[illegible]	[illegible]	28.8	[illegible]	[illegible]	[illegible]	77.5	[illegible]	[illegible]	88.4	[illegible]	[illegible]			97.5	99.5
[illegible]	1.44355	1.1	7.8	[illegible]	[illegible]	13.3	[illegible]	[illegible]	28.4	[illegible]	[illegible]	[illegible]	75.5	[illegible]	[illegible]	90.3	[illegible]	[illegible]			97.4	99.3
[illegible]	1.44349	1.1	8.9	[illegible]	[illegible]	16.1	[illegible]	[illegible]	27.8	[illegible]	[illegible]	[illegible]	76.4	[illegible]	[illegible]	92.4	[illegible]	[illegible]			97.4	99.4
[illegible]	1.44344	1.9	10.1	[illegible]	[illegible]	21.1	[illegible]	[illegible]	27.4	[illegible]	[illegible]	[illegible]	81.0	[illegible]	[illegible]	93.7	[illegible]	[illegible]			97.6	99.6
[illegible]	1.44339	1.7	11.0	[illegible]	[illegible]	21.9	[illegible]	[illegible]	27.0	[illegible]	[illegible]	[illegible]	85.5	[illegible]	[illegible]	93.8	[illegible]	[illegible]			97.3	99.4
[illegible]	1.44333	1.7	11.2	[illegible]	[illegible]	19.3	[illegible]	[illegible]	26.6	[illegible]	[illegible]	[illegible]	86.9	[illegible]	[illegible]	91.9	[illegible]	[illegible]			97.3	99.4
[illegible]	1.44328	1.4	9.8	[illegible]	[illegible]	15.8	[illegible]	[illegible]	26.2	[illegible]	[illegible]	[illegible]	83.2	[illegible]	[illegible]	89.7	[illegible]	[illegible]			97.3	99.3
[illegible]	1.44322	1.3	7.9	[illegible]	[illegible]	11.9	[illegible]	[illegible]	25.4	[illegible]	[illegible]	[illegible]	78.6	[illegible]	[illegible]	87.4	[illegible]	[illegible]			97.3	99.4
[illegible]	1.44317	1.4	6.6	[illegible]	[illegible]	11.6	[illegible]	[illegible]	25.4	[illegible]	[illegible]	[illegible]	75.2	[illegible]	[illegible]	88.1	[illegible]	[illegible]			97.3	99.4
[illegible]	1.44312	1.3	6.5	[illegible]	[illegible]	14.3	[illegible]	[illegible]	25.1	[illegible]	[illegible]	[illegible]	74.4	[illegible]	[illegible]	89.4	[illegible]	[illegible]			97.2	99.5
[illegible]	1.44306	1.4	7.[illegible]	[illegible]	[illegible]	18.1	[illegible]	[illegible]	24.3	[illegible]	[illegible]	[illegible]	77.3	[illegible]	[illegible]	92.1	[illegible]	[illegible]			97.2	99.4
[illegible]	1.44301	1.4	9.1	[illegible]	[illegible]	20.5	[illegible]	[illegible]	24.6	[illegible]	[illegible]	[illegible]	81.3	[illegible]	[illegible]	93.4	[illegible]	[illegible]			97.2	99.5
[illegible]	1.44295	1.3	9.9	[illegible]	[illegible]	19.5	[illegible]	[illegible]	24.6	[illegible]	[illegible]	[illegible]	86.[illegible]	[illegible]	[illegible]	93.1	[illegible]	[illegible]			97.2	99.4
[illegible]	1.44290	1.4	9.5	[illegible]	[illegible]	14.9	[illegible]	[illegible]	24.3	[illegible]	[illegible]	[illegible]	86.5	[illegible]	[illegible]	90.4	[illegible]	[illegible]			97.2	99.4

Table 4-1 (cont'd)

Sam. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
p(atm)	$2.50_{\times 10^{0}}$	$2.53_{\times 10^{0}}$	$2.53_{\times 10^{0}}$	$2.50_{\times 10^{0}}$	$2.00_{\times 10^{0}}$	$1.00_{\times 10^{0}}$	$1.00_{\times 10^{0}}$	$1.46_{\times 10^{-1}}$	$1.00_{\times 10^{1}}$	$1.00_{\times 10^{1}}$	$1.00_{\times 10^{1}}$	$1.00_{\times 10^{0}}$	$2.30_{\times 10^{-1}}$	$2.30_{\times 10^{-1}}$	$1.16_{\times 10^{-1}}$	$7.70_{\times 10^{-2}}$	$7.70_{\times 10^{-2}}$	$7.70_{\times 10^{-2}}$	$3.87_{\times 10^{-2}}$	$6.65_{\times 10^{-1}}$	$6.65_{\times 10^{-1}}$
P_e(atm)	$3.29_{\times 10^{0}}$	$3.32_{\times 10^{0}}$	$3.32_{\times 10^{0}}$	$3.29_{\times 10^{0}}$	$2.62_{\times 10^{0}}$	$1.31_{\times 10^{0}}$	$1.31_{\times 10^{0}}$	$2.03_{\times 10^{1}}$	$1.36_{\times 10^{1}}$	$1.36_{\times 10^{1}}$	$1.36_{\times 10^{1}}$	$1.36_{\times 10^{1}}$	$9.99_{\times 10^{-1}}$	$3.00_{\times 10^{-1}}$	$1.50_{\times 10^{-1}}$	$1.001_{\times 10^{0}}$	$3.03_{\times 10^{-1}}$	$1.001_{\times 10^{-1}}$	$5.03_{\times 10^{-2}}$	$1.31_{\times 10^{1}}$	$8.65_{\times 10^{-1}}$
u (atm cm) STP	$2.17_{\times 10^{5}}$	$1.10_{\times 10^{5}}$	$5.57_{\times 10^{4}}$	$2.80_{\times 10^{4}}$	$8.71_{\times 10^{4}}$	$8.62_{\times 10^{4}}$	$2.19_{\times 10^{4}}$	$4.73_{\times 10^{4}}$	$3.16_{\times 10^{4}}$	$1.59_{\times 10^{4}}$	$7.93_{\times 10^{3}}$	$3.99_{\times 10^{3}}$	$9.94_{\times 10^{3}}$	$9.94_{\times 10^{3}}$	$9.94_{\times 10^{3}}$	$3.32_{\times 10^{3}}$	$3.32_{\times 10^{3}}$	$3.32_{\times 10^{3}}$	$3.32_{\times 10^{3}}$	$1.01_{\times 10^{3}}$	$1.01_{\times 10^{3}}$

ν (cm^{-1})	λ (micron)	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100
A103.0	1.63854	10.6	27.1	50.4	73.7	34.2	45.8	80.1	55.1	55.4	51.7	90.2	94.9	86.9	90.7	93.2	95.0	95.0	97.0		99.3	99.3
A103.2	1.63844	12.9	28.5	53.5	75.2	38.0	51.8	83.1	55.9	57.0	52.1	90.4	94.9	86.5	89.8	93.8	95.3	94.9	96.9		99.3	99.3
A103.4	1.63843	14.4	31.5	55.4	75.4	44.0	54.3	83.9	56.6	57.5	52.5	90.6	95.0	88.5	91.0	94.1	96.0	95.6	97.1		99.3	99.3
A103.6	1.63838	14.7	34.4	57.3	74.5	47.5	54.8	81.9	57.4	58.2	52.9	90.6	95.1	91.0	92.9	94.5	97.1	95.3	97.7		99.3	99.3
A103.8	1.63832	13.6	35.1	55.9	73.6	45.0	55.7	79.9	58.1	59.0	53.3	91.1	95.2	92.4	93.9	94.4	96.9	95.7	98.3		99.3	99.3
A104.0	1.63827	12.6	33.5	54.9	73.6	41.1	47.9	79.3	58.9	59.7	53.7	91.3	95.3	91.3	94.2	94.3	96.6	95.9	98.3		99.3	99.3
A104.2	1.63822	12.9	32.3	55.0	75.1	39.5	45.9	80.4	59.5	59.2	54.3	91.5	95.4	90.2	93.1	94.2	96.1	95.5	97.7		99.4	99.3
A104.4	1.63816	14.1	32.2	55.6	76.9	41.8	49.4	82.5	60.4	60.7	54.8	91.7	95.6	89.2	91.8	94.3	96.3	95.6	97.3		99.4	99.4
A104.6	1.63811	15.2	33.7	59.7	7.5	44.5	51.3	84.1	61.1	71.3	54.8	91.9	95.7	89.5	91.7	94.3	96.2	95.8	97.3		99.4	99.4
A104.8	1.63806	15.3	36.0	59.9	77.4	47.9	53.3	84.2	61.9	71.9	85.2	92.2	95.9	91.2	92.7	94.3	97.1	95.5	97.5		99.4	99.4
A105.0	1.63800	15.9	37.5	59.0	77.1	47.6	53.2	83.1	62.6	72.5	85.5	92.4	96.0	92.3	93.6	94.2	97.1	95.9	98.2		99.4	99.4
A105.2	1.63795	15.9	38.0	59.5	77.0	45.4	51.9	82.5	63.5	73.0	86.1	92.6	96.1	92.2	93.7	94.1	97.1	97.0	98.1		99.4	99.4
A105.4	1.63789	16.9	37.5	60.0	78.7	45.9	52.6	83.7	63.9	73.5	86.3	92.8	95.2	91.5	93.2	94.3	96.2	95.4	97.7		99.4	99.4
A105.6	1.63784	19.0	38.2	61.7	80.2	47.3	53.4	85.9	64.5	74.0	86.7	93.0	95.3	91.0	92.9	94.0	97.1	95.4	97.8		99.4	99.5
A105.8	1.63779	21.1	40.3	63.6	80.9	51.4	54.2	86.5	65.2	74.5	87.1	93.1	96.3	91.4	93.5	94.0	97.1	95.4	97.5		99.5	99.5
A106.0	1.63773	21.9	42.9	65.0	80.6	50.4	59.7	86.5	65.9	75.1	87.4	93.2	96.4	92.4	94.0	94.0	97.5	97.0	97.9		99.5	99.5
A106.2	1.63768	21.3	43.7	64.7	80.0	53.3	55.6	85.2	66.4	75.6	87.9	93.3	96.6	93.4	95.0	94.1	97.5	97.3	98.2		99.5	99.5
A106.4	1.63763	20.2	43.1	63.6	79.5	49.3	53.5	83.9	67.0	75.2	88.1	93.4	96.7	93.1	94.9	94.2	97.1	97.2	98.2		99.5	99.5
A106.6	1.63757	20.4	42.1	63.0	80.5	48.0	52.4	84.7	67.5	76.8	88.4	93.6	96.4	92.2	93.6	94.5	96.7	95.9	98.1		99.5	99.5
A106.8	1.63752	22.9	42.4	64.9	82.5	51.1	53.2	87.2	68.2	77.4	88.6	93.7	97.0	91.7	93.5	95.2	96.9	95.4	97.9		99.5	99.5
A107.0	1.63747	26.4	44.5	67.1	84.3	56.6	50.3	89.3	68.9	77.9	88.9	93.9	97.0	92.0	93.4	95.9	97.5	95.4	97.9		99.5	99.6
A107.2	1.63741	28.5	48.7	69.3	84.9	60.2	54.0	90.3	69.5	78.4	89.1	94.0	97.1	93.4	94.1	96.2	98.0	97.1	98.3		99.5	99.6
A107.4	1.63736	28.9	50.9	70.1	83.3	59.9	54.3	88.9	70.2	79.8	89.3	94.1	97.1	94.5	95.5	96.3	97.9	97.2	98.7		99.5	99.6
A107.6	1.63730	26.9	50.5	69.2	82.9	56.5	51.8	87.1	70.7	79.2	89.5	94.2	97.1	94.7	95.4	95.9	97.5	97.2	98.3		99.5	99.6
A107.8	1.63725	25.7	49.3	68.5	82.9	53.9	54.7	86.5	71.2	79.5	89.8	94.2	97.2	93.9	95.2	95.8	97.2	97.5	98.4		99.5	99.6
A108.0	1.63720	26.0	48.3	68.0	84.3	54.2	53.3	87.1	71.7	79.9	90.0	94.3	97.2	93.5	94.2	96.1	97.2	97.2	97.9		99.5	99.6
A108.2	1.63714	28.3	48.7	69.4	85.3	59.7	49.5	89.2	72.3	80.3	90.2	94.4	97.3	93.5	93.7	96.3	97.5	97.1	97.8		99.5	99.6
A108.4	1.63709	31.2	50.9	71.8	86.2	63.1	51.8	90.4	72.9	80.8	90.4	94.6	97.4	93.5	94.3	96.7	97.9	97.2	98.0		99.6	99.7
A108.6	1.63704	31.8	53.5	73.2	86.1	63.3	55.9	90.8	73.4	81.2	90.7	94.8	97.5	94.5	95.4	96.7	98.0	97.6	98.4		99.6	99.7
A108.8	1.63698	31.3	54.9	73.6	86.1	62.8	55.9	90.5	73.9	81.7	90.8	94.9	97.5	95.2	95.7	96.8	98.1	98.1	98.7		99.6	99.7
A109.0	1.63693	30.4	55.0	73.3	86.7	60.5	58.0	90.1	74.4	82.1	91.0	95.1	97.6	95.2	95.4	96.8	98.1	97.9	98.7		99.7	99.7
A109.2	1.63688	30.1	54.5	73.1	86.1	60.1	53.0	89.9	74.9	82.5	91.2	95.4	97.6	95.0	95.4	96.7	97.7	97.4	98.7		99.7	99.7
A109.4	1.63682	30.1	54.4	73.3	86.4	61.5	53.2	90.2	75.3	82.9	91.4	95.4	97.7	94.7	95.5	96.5	97.9	97.7	98.7		99.7	99.7
A109.6	1.63677	31.1	54.7	73.4	86.3	62.3	54.1	90.5	75.7	83.3	91.7	95.5	97.7	94.7	95.7	96.5	97.9	97.8	98.6		99.7	99.8
A109.8	1.63671	31.9	55.3	74.0	87.0	63.5	55.0	90.9	76.0	83.6	92.0	95.6	97.8	95.1	95.7	96.8	98.0	98.1	98.8		99.7	99.8
A110.0	1.63666	32.9	56.6	75.1	87.2	63.7	55.7	91.3	76.5	83.9	92.1	95.7	97.9	95.2	95.8	96.9	98.1	98.2	98.5		99.7	99.8
A110.2	1.63661	33.8	57.2	75.7	87.7	64.8	55.0	91.2	77.0	84.2	92.2	95.7	97.9	95.3	95.9	97.2	98.2	98.2	98.7		99.7	99.8
A110.4	1.63655	35.3	58.0	75.4	88.3	66.0	55.5	91.3	77.5	84.5	92.4	95.8	98.0	95.4	96.0	97.4	98.3	98.1	98.7		99.7	99.8
A110.6	1.63650	37.3	59.3	77.3	88.4	68.1	55.4	92.7	78.0	84.7	92.5	95.9	98.1	95.6	96.2	97.4	98.5	98.2	98.8		99.8	99.8
A110.8	1.63645	39.7	61.3	78.3	89.2	69.7	56.7	93.1	78.4	85.0	92.8	96.0	98.1	95.9	96.7	97.8	98.5	98.4	98.9		99.8	99.9
A111.0	1.63639	40.7	62.4	79.0	89.4	69.9	72.0	93.3	78.9	85.3	93.0	96.1	98.2	96.1	97.0	97.1	98.5	98.6	98.9		99.8	99.9
A111.2	1.63634	40.2	62.7	79.4	89.2	68.5	71.4	92.5	79.3	85.6	93.1	96.2	98.2	96.4	97.0	97.2	98.2	98.2	98.9		99.8	99.9
A111.4	1.63629	39.3	62.4	79.5	88.9	67.2	71.0	92.2	79.5	85.8	93.3	96.2	98.3	96.0	96.9	97.2	98.2	98.2	98.8		99.8	99.9
A111.6	1.63623	40.0	61.9	78.4	89.1	67.0	69.3	92.1	79.9	85.1	93.5	96.3	98.3	95.7	96.5	97.2	98.2	97.9	98.7		99.8	99.9
A111.8	1.63618	41.4	62.1	79.0	89.3	69.5	70.4	93.2	80.2	85.3	93.5	96.4	98.3	95.7	96.2	97.4	98.3	97.9	98.7		99.8	99.9
A112.0	1.63613	44.3	63.8	80.0	90.5	72.5	73.1	93.9	80.5	85.6	93.8	96.4	98.4	95.8	96.5	97.7	98.6	98.1	98.7		99.8	99.9
A112.2	1.63607	46.7	66.3	81.6	91.3	74.4	75.5	94.5	80.8	85.8	94.0	96.5	98.4	96.2	97.1	97.8	99.0	98.5	98.9		99.9	99.9
A112.4	1.63602	47.1	67.1	82.0	91.6	74.1	75.1	94.5	81.2	87.1	94.1	96.6	98.4	96.3	97.2	97.7	99.2	98.7	99.3		99.9	100.0
A112.6	1.63597	46.0	67.4	81.9	91.0	72.2	75.4	94.0	81.5	87.4	94.3	96.6	98.5	97.1	97.6	97.5	99.2	98.6	99.2		99.9	100.0
A112.8	1.63591	44.6	66.8	81.6	90.8	71.3	73.1	93.6	81.9	87.6	94.5	96.7	98.5	96.9	97.4	97.5	99.1	98.2	99.2		99.9	100.0
A113.0	1.63586	44.0	66.2	81.3	90.5	71.4	71.7	93.4	82.3	87.9	94.5	96.8	98.5	96.7	97.3	97.5	98.8	98.1	99.1		99.9	100.0
A113.2	1.63580	44.9	66.3	81.9	91.3	72.5	71.5	93.6	82.6	88.0	94.7	96.9	98.6	96.5	96.9	97.5	98.5	98.2	99.1		99.9	100.0
A113.4	1.63575	46.5	67.2	82.3	91.8	74.3	72.5	94.1	82.9	88.2	94.8	97.0	98.6	96.6	97.1	97.7	98.7	98.3	99.3		99.9	100.0
A113.6	1.63570	48.6	68.4	83.2	91.6	75.5	74.2	94.5	83.2	88.5	94.9	97.1	98.6	96.7	97.4	97.9	98.7	98.5	98.9		100.0	100.0
A113.8	1.63564	50.1	69.6	83.9	91.9	76.0	75.8	94.9	83.6	88.8	95.0	97.1	98.6	97.0	97.6	97.7	98.8	98.6	98.9		100.0	100.0
A114.0	1.63559	51.1	70.5	84.6	92.1	76.2	75.8	95.0	83.9	89.1	95.1	97.1	98.6	97.2	97.6	97.9	98.9	98.4	98.9		100.0	100.0
A114.2	1.63554	51.5	71.2	84.9	92.3	76.4	77.3	95.2	84.2	89.4	95.1	97.1	98.5	97.4	98.0	97.8	98.8	98.4	98.9		100.0	100.0
A114.4	1.63549	51.5	71.5	84.9	92.5	76.6	77.4	95.3	84.5	89.7	95.2	97.2	98.6	97.4	98.1	97.8	98.8	98.5	98.9		100.0	100.0
A114.6	1.63543	51.5	71.8	84.9	92.4	76.7	77.3	95.3	84.7	89.9	95.3	97.2	98.6	97.3	98.1	97.9	98.9	98.7	98.9		100.0	100.0
A114.8	1.63538	51.5	71.9	84.9	92.5	76.9	75.9	94.9	85.0	90.1	95.4	97.3	98.6	97.5	98.1	97.9	98.9	98.6	99.0		100.0	100.0
A115.0	1.63532	52.5	72.1	85.1	92.6	77.0	76.7	94.8	85.3	90.2	95.5	97.3	98.6	97.3	97.9	98.0	98.9	98.5	99.0		100.0	100.0
A115.2	1.63527	53.1	72.7	85.5	92.8	77.9	77.4	94.9	85.5	90.4	95.5	97.4	98.6	97.3	98.1	98.0	99.0	98.6	99.1		100.0	100.0
A115.4	1.63522	55.5	73.5	86.1	93.0	79.5	78.4	95.2	85.7	90.5	95.6	97.4	98.7	97.5	98.1	98.3	99.1	98.7	99.3		100.0	100.0
A115.6	1.63516	57.2	74.6	86.6	93.2	80.9	79.7	95.5	85.9	90.7	95.7	97.5	98.8	97.5	98.2	98.3	99.1	98.9	99.3		100.0	100.0
A115.8	1.63511	58.3	75.4	87.1	93.5	81.3	81.0	96.0	86.1	90.8	95.8	97.6	98.8	97.7	98.3	98.4	99.2	99.1	99.5		100.0	100.0

A 15.0	1.43504	57.7	76.2	87.1	93.3	80.7	91.7	96.1	86.4	91.0	95.9	97.6	98.9	98.1	99.4	99.6	99.7	99.1	99.6	100.0	100.0
A 15.2	1.43500	57.4	76.1	87.1	93.2	80.1	91.1	95.9	86.5	91.2	96.0	97.6	98.9	98.0	99.4	99.7	99.7	99.1	99.5	100.0	100.0
A 15.4	1.43495	57.7	75.9	87.2	94.1	80.1	79.9	95.8	86.9	91.4	96.2	97.8	98.9	97.9	99.3	99.7	99.7	99.3	99.5	100.0	100.0
A 15.6	1.43491	58.7	76.2	87.4	94.1	80.9	79.6	95.9	87.1	91.6	96.2	97.8	98.9	97.9	99.3	99.7	99.7	99.3	99.5	100.0	100.0
A 15.8	1.43484	60.1	77.8	87.9	94.2	82.0	80.2	96.1	87.3	91.8	96.3	97.9	98.9	98.0	99.7	99.1	99.2	99.3	99.5	100.0	100.0
A116.0	1.43479	61.3	77.9	88.4	94.4	83.5	81.2	96.4	87.4	91.9	96.3	97.9	98.9	98.0	99.5	99.1	99.2	99.5	99.5	100.0	100.0
A116.2	1.43473	62.7	78.1	88.6	94.5	83.9	82.2	96.5	87.5	92.1	96.4	98.0	98.9	98.1	99.6	99.4	99.2	99.3	99.7	100.0	100.0
A116.4	1.43468	63.2	78.3	88.7	94.7	83.9	83.1	96.7	87.9	92.3	96.5	98.1	99.0	98.2	99.8	99.4	99.2	99.3	99.7	100.0	100.0
A116.6	1.43463	63.7	79.3	89.2	94.9	84.0	83.3	97.1	88.1	92.5	96.5	98.1	99.0	98.2	99.6	99.4	99.1	99.3	99.7	100.0	100.0
A116.8	1.43457	64.7	79.7	89.5	95.1	84.1	83.4	97.2	88.3	92.7	96.5	98.1	99.0	98.3	99.8	99.4	99.5	99.3	99.7	100.0	100.0
A118.0	1.43452	66.3	79.9	89.5	95.1	84.2	83.5	97.2	88.5	92.9	96.7	98.2	99.1	98.4	99.6	99.5	99.3	99.3	99.7	100.0	100.0
A118.2	1.43447	66.7	80.4	89.8	95.3	84.5	83.7	97.4	88.7	93.1	96.7	98.2	99.2	98.4	99.7	99.5	99.3	99.2	99.7	100.0	100.0
A118.4	1.43441	66.1	80.9	90.0	95.5	85.1	84.3	97.5	88.9	93.2	96.7	98.2	99.2	98.4	99.8	99.5	99.3	99.2	99.7	100.0	100.0
A118.6	1.43435	67.4	81.4	90.3	95.7	85.4	84.8	97.8	89.0	93.3	96.8	98.3	99.3	98.5	99.2	99.5	99.3	99.2	99.7	100.0	100.0
A118.8	1.43431	68.5	82.0	90.7	95.8	86.0	85.7	97.9	89.1	93.4	96.8	98.3	99.3	98.7	99.8	99.5	99.2	99.3	99.7	100.0	100.0
A119.0	1.43425	69.4	82.5	91.0	95.9	86.5	85.5	98.0	89.3	93.5	96.9	98.4	99.3	98.7	99.3	99.5	99.2	99.3	99.7	100.0	100.0
A119.2	1.43420	69.8	83.2	91.1	96.0	86.9	87.0	98.2	89.4	93.6	97.0	98.4	99.4	98.7	99.4	99.5	99.3	99.3	99.7	100.0	100.0
A119.4	1.43415	69.5	83.3	91.1	96.2	86.9	87.2	98.3	89.5	93.7	97.1	98.5	99.5	98.9	99.4	99.5	99.4	99.3	99.7	100.0	100.0
A119.6	1.43409	69.5	83.5	91.2	96.2	87.1	87.2	98.3	89.5	93.9	97.1	98.5	99.5	98.9	99.4	99.7	99.4	99.3	99.7	100.0	100.0
A119.8	1.43404	69.5	83.9	91.3	96.4	87.2	87.3	98.3	89.7	94.0	97.1	98.6	99.5	98.9	99.5	99.8	99.4	99.3	99.5	100.0	100.0
A120.0	1.43399	69.8	84.0	91.4	96.4	87.3	87.4	98.3	89.8	94.1	97.1	98.6	99.5	98.9	99.6	99.7	99.4	99.3	99.5	100.0	100.0
A120.2	1.43393	70.2	84.1	91.5	96.4	87.3	87.4	98.3	90.0	94.1	97.1	98.7	99.5	98.9	99.5	99.9	99.4	99.3	99.5	100.0	100.0
A120.4	1.43388	70.5	84.1	91.6	96.5	87.3	87.4	98.3	90.1	94.2	97.1	98.7	99.5	98.9	99.5	100.1	99.4	99.3	99.5	100.0	100.0
A120.6	1.43383	71.4	84.1	91.7	96.5	87.4	87.4	98.3	90.2	94.2	97.1	98.8	99.5	98.9	99.5	100.1	99.5	99.3	99.5	100.0	100.0
A120.8	1.43377	71.9	84.3	91.8	96.4	87.5	87.8	98.3	90.3	94.2	97.1	98.8	99.5	98.9	99.5	100.1	99.6	99.3	99.5	100.0	100.0
A121.0	1.43372	71.5	84.4	91.8	96.4	87.3	88.0	98.3	90.4	94.3	97.1	98.8	99.5	98.9	99.5	100.1	99.6	99.3	99.5	100.0	100.0
A121.2	1.43367	71.2	84.5	91.8	96.7	87.3	88.0	98.3	90.5	94.3	97.1	98.8	99.5	98.9	99.5	100.1	99.7	99.3	99.5	100.0	100.0
A121.4	1.43361	70.5	84.3	91.8	96.6	87.1	87.7	98.4	90.5	94.3	97.1	98.8	99.5	98.9	99.5	100.1	99.7	99.3	99.5	100.0	100.0
A121.6	1.43356	69.8	83.9	91.8	96.4	86.9	87.1	98.3	90.5	94.4	97.1	98.8	99.5	98.9	99.4	100.1	99.7	99.3	99.7	100.0	100.0
A121.8	1.43351	69.4	83.3	91.2	96.4	86.3	86.2	98.3	90.6	94.4	97.1	98.8	99.5	98.7	99.5	100.1	99.8	99.4	99.7	100.0	100.0
A122.0	1.43345	69.2	83.1	91.1	96.3	85.9	85.7	98.3	90.5	94.4	97.1	98.8	99.5	98.5	99.3	100.1	99.8	99.4	99.5	100.0	100.0
A122.2	1.43340	69.4	83.2	91.2	96.3	86.1	85.8	98.3	90.7	94.4	97.2	98.8	99.5	98.5	99.2	100.1	99.7	99.4	99.4	100.0	100.0
A122.4	1.43335	70.4	83.7	91.4	96.5	86.8	85.7	98.4	90.7	94.4	97.2	98.8	99.5	98.5	99.2	100.1	99.7	99.4	99.5	100.0	100.0
A122.6	1.43329	71.2	84.1	91.5	96.3	87.3	87.6	98.4	90.7	94.4	97.2	98.9	99.5	98.5	99.2	100.1	99.5	99.4	99.4	100.0	100.0
A122.8	1.43324	70.9	84.1	91.3	96.5	87.5	87.9	98.5	90.5	94.4	97.2	98.9	99.5	98.7	99.6	100.1	99.5	99.4	99.7	100.0	100.0
A123.0	1.43319	69.7	83.8	91.2	96.5	87.2	87.4	98.5	90.5	94.4	97.2	98.9	99.5	98.7	99.5	100.1	99.5	99.4	99.7	100.0	100.0
A123.2	1.43313	68.5	83.3	90.9	96.1	86.2	86.3	98.3	90.5	94.4	97.2	98.9	99.5	98.8	99.3	100.1	99.6	99.4	99.5	100.0	100.0
A123.4	1.43308	68.3	82.9	90.7	95.7	85.4	85.7	98.1	90.4	94.3	97.2	98.9	99.5	98.5	99.2	100.1	99.7	99.4	99.5	100.0	100.0
A123.6	1.43303	68.9	82.7	90.6	95.5	85.0	85.2	97.9	90.4	94.3	97.2	98.9	99.5	98.5	99.0	100.1	99.1	99.4	99.5	100.0	100.0
A123.8	1.43297	68.7	82.8	90.8	95.7	85.4	85.3	98.1	90.4	94.3	97.2	98.9	99.5	98.5	99.4	100.1	99.2	99.4	99.4	100.0	100.0
A124.0	1.43292	69.4	83.2	91.1	95.8	86.2	85.4	98.3	90.4	94.2	97.2	98.9	99.5	98.7	99.1	100.1	99.5	99.4	99.4	100.0	100.0
A124.2	1.43287	70.4	83.9	91.4	95.9	86.9	87.6	98.4	90.4	94.2	97.2	98.9	99.5	99.2	99.3	100.1	99.4	99.4	99.5	100.0	100.0
A124.4	1.43281	70.3	84.1	91.3	95.9	87.1	87.6	98.5	90.4	94.2	97.2	98.9	99.5	99.0	99.5	100.1	99.4	99.4	99.5	100.0	100.0
A124.6	1.43276	69.9	83.7	91.0	95.8	86.5	87.2	98.5	90.4	94.2	97.2	98.9	99.5	98.9	99.5	100.1	99.4	99.4	99.5	100.0	100.0
A124.8	1.43271	68.1	82.9	90.8	95.7	85.5	85.9	98.1	90.4	94.2	97.2	98.9	99.5	98.7	99.4	100.1	99.4	99.4	99.5	100.0	100.0
A125.0	1.43265	67.8	82.4	90.6	95.7	85.1	85.2	97.9	90.4	94.2	97.2	98.9	99.5	98.5	99.2	100.1	99.4	99.4	99.5	100.0	100.0
A125.2	1.43260	68.4	82.4	90.9	95.7	85.2	85.3	97.9	90.4	94.2	97.3	98.9	99.5	98.4	99.1	100.1	99.5	99.4	99.5	100.0	100.0
A125.4	1.43255	69.5	82.9	91.1	95.9	86.0	85.1	98.1	90.4	94.2	97.3	98.9	99.5	98.5	99.9	100.1	99.5	99.4	99.7	100.0	100.0
A125.6	1.43249	70.4	83.4	91.2	95.9	86.9	87.2	98.3	90.3	94.2	97.3	98.9	99.5	98.7	99.2	100.1	99.3	99.4	99.7	100.0	100.0
A125.8	1.43244	70.1	83.7	91.2	95.9	87.1	87.9	98.5	90.3	94.2	97.3	98.9	99.5	98.9	99.3	100.1	99.4	99.4	99.7	100.0	100.0
A126.0	1.43239	68.7	83.3	91.0	95.9	87.1	87.5	98.4	90.2	94.2	97.3	98.9	99.5	98.7	99.4	100.1	99.4	99.4	99.7	100.0	100.0
A126.2	1.43233	67.5	82.7	90.7	95.7	86.0	85.3	98.2	90.2	94.2	97.3	98.9	99.5	98.4	99.3	100.1	99.4	99.4	99.7	100.0	100.0
A126.4	1.43228	67.3	82.2	90.6	95.7	85.3	85.5	98.1	90.1	94.2	97.3	98.9	99.5	98.2	99.1	100.1	99.5	99.4	99.7	100.0	100.0
A126.6	1.43223	68.1	82.3	90.7	95.9	85.4	85.4	98.3	90.1	94.2	97.3	98.9	99.5	98.2	99.0	100.1	99.5	99.4	99.7	100.0	100.0
A126.8	1.43217	69.3	82.9	91.0	95.7	86.0	85.1	98.3	90.0	94.2	97.3	98.9	99.5	98.5	99.9	100.1	99.5	99.4	99.7	100.0	100.0
A127.0	1.43212	70.9	83.9	91.3	95.9	87.1	87.6	98.7	89.9	94.1	97.3	98.9	99.5	98.8	99.2	100.1	99.4	99.4	99.7	100.0	100.0
A127.2	1.43207	71.1	84.3	91.3	96.0	88.2	88.8	98.9	89.9	94.1	97.3	98.9	99.5	99.0	99.5	100.1	99.4	99.4	99.7	100.0	100.0
A127.4	1.43201	69.0	83.7	90.9	95.9	88.0	88.2	98.5	89.7	94.0	97.2	98.9	99.5	98.9	99.5	100.1	99.4	99.4	99.7	100.0	100.0
A127.6	1.43196	67.2	82.7	90.4	95.6	87.1	88.5	98.0	89.6	93.9	97.1	98.9	99.5	98.6	99.3	100.1	99.3	99.4	99.7	100.0	100.0
A127.8	1.43191	66.1	81.6	90.2	95.4	85.7	85.1	97.8	89.6	93.8	97.1	98.9	99.5	98.4	99.2	100.1	99.3	99.4	99.7	100.0	100.0
A128.0	1.43185	66.6	81.1	90.1	95.4	85.0	84.8	97.7	89.5	93.7	96.9	98.9	99.5	98.3	99.1	100.1	99.3	99.4	99.7	100.0	100.0
A128.2	1.43180	68.0	81.5	90.2	95.4	85.2	85.6	97.9	89.5	93.6	96.9	98.9	99.5	98.3	99.0	100.1	99.3	99.4	99.5	100.0	100.0
A128.4	1.43175	68.7	82.3	90.4	95.5	86.1	87.0	98.2	89.4	93.5	96.9	98.8	99.5	98.4	99.0	100.1	99.3	99.4	99.5	100.0	100.0
A128.6	1.43169	67.7	82.7	90.4	95.5	87.2	88.0	98.3	89.2	93.4	96.8	98.8	99.5	98.6	99.0	100.1	99.3	99.4	99.5	100.0	100.0
A128.8	1.43164	65.1	81.9	90.1	95.1	87.3	86.7	98.1	89.0	93.3	96.8	98.8	99.5	98.7	99.2	99.5	99.3	99.4	99.5	100.0	100.0
A129.0	1.43159	63.0	80.1	89.4	94.8	86.1	84.8	97.4	88.9	93.2	96.4	98.8	99.5	98.6	99.2	99.4	99.3	99.4	99.5	100.0	100.0
A129.2	1.43153	61.7	78.9	88.6	94.5	84.0	83.0	97.0	88.7	93.1	96.7	98.7	99.5	98.2	99.0	99.4	99.3	99.4	99.5	100.0	100.0
A129.4	1.43148	61.2	78.3	88.2	94.4	82.3	82.2	96.8	88.5	92.9	96.5	98.7	99.5	97.9	98.8	99.2	99.3	99.4	99.5	100.0	100.0
A129.6	1.43143	61.5	78.2	88.4	94.4	81.8	82.8	96.9	88.4	92.8	96.5	98.7	99.5	97.9	98.6	99.1	99.2	99.4	99.5	100.0	100.0
A129.8	1.43137	62.5	78.5	88.5	94.4	82.8	84.0	97.3	88.2	92.6	96.5	98.6	99.5	98.2	98.8	99.0	99.2	99.4	99.5	100.0	100.0
A130.0	1.43132	62.5	78.7	88.3	94.4	83.8	84.9	97.5	88.0	92.4	96.4	98.6	99.5	98.2	99.0	99.0	99.1	99.4	99.5	100.0	100.0
A130.2	1.43127	60.0	77.4	87.6	94.3	84.2	83.6	96.8	87.9	92.3	96.3	98.5	99.5	98.1	99.1	98.9	99.1	99.4	99.4	100.0	100.0
A130.4	1.43121	57.5	76.0	86.9	93.5	82.9	81.1	96.1	87.7	92.2	96.3	98.5	99.4	97.9	98.9	99.1	99.4	99.4	99.4	100.0	100.0
A130.6	1.43116	56.4	75.1	86.2	93.4	81.0	79.4	95.7	87.5	92.1	96.2	98.4	99.4	97.4	98.5	98.8	99.1	99.4	99.4	100.0	100.0
A130.8	1.43111	56.7	74.9	85.3	93.4	79.5	77.2	95.9	87.4	91.9	96.1	98.3	99.4	97.1	98.3	98.7	99.1	99.4	99.4	100.0	100.0
A131.0	1.43106	57.5	75.2	85.5	93.4	79.1	80.3	96.3	87.2	91.8	96.1	98.3	99.3	97.2	98.3	98.7	99.1	99.4	99.3	100.0	100.0
A131.2	1.43100	57.8	75.9	85.7	93.5	80.0	82.0	96.9	87.1	91.6	96.0	98.2	99.3	97.4	98.7	98.7	99.1	99.4	99.3	100.0	100.0
A131.4	1.43095	56.9	75.9	85.6	93.3	81.9	82.0	96.8	86.9	91.5	95.9	98.2	99.3	97.9	98.7	98.5	99.1	99.4	99.2	100.0	100.0
A131.6	1.43090	54.9	74.9	85.0	93.1	81.7	80.6	96.3	86.6	91.5	95.9	98.1	99.3	97.5	98.9	98.4	99.1	99.3	99.2	100.0	100.0
A131.8	1.43084	53.2	73.5	85.1	92.7	80.4	78.4	95.5	86.4	91.4	95.3	98.1	99.3	97.5	98.7	98.3	99.1	99.0	99.2	100.0	100.0

Table 4-1 (cont'd)

Sam. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
p(atm)	2.50 x 10^{0}	2.53 x 10^{0}	2.53 x 10^{0}	2.50 x 10^{0}	2.00 x 10^{0}	1.00 x 10^{0}	1.00 x 10^{0}	1.46 x 10^{1}	1.00 x 10^{1}	1.00 x 10^{1}	1.00 x 10^{1}	1.00 x 10^{0}	2.30 x 10^{-1}	2.30 x 10^{-1}	1.16 x 10^{-1}	7.70 x 10^{-2}	7.70 x 10^{-2}	7.70 x 10^{-2}	3.87 x 10^{-2}	6.65 x 10^{-1}	6.65 x 10^{-1}	2.34 x 10^{-2}	2.34 x 10^{-2}	2.34 x 10^{-2}	2.17 x 10^{-1}	2.17 x 10^{-1}	2.17 x 10^{-1}
P_e (atm)	3.29 x 10^{0}	3.32 x 10^{0}	3.32 x 10^{0}	3.29 x 10^{0}	2.62 x 10^{0}	1.31 x 10^{0}	1.31 x 10^{0}	2.03 x 10^{1}	1.36 x 10^{1}	1.36 x 10^{1}	1.36 x 10^{1}	1.36 x 10^{1}	9.99 x 10^{-1}	3.00 x 10^{-1}	1.50 x 10^{-1}	1.001 x 10^{0}	3.03 x 10^{-1}	1.001 x 10^{-1}	5.03 x 10^{-2}	1.31 x 10^{1}	8.65 x 10^{-1}	3.00 x 10^{-1}	1.02 x 10^{-1}	3.04 x 10^{-2}	1.30 x 10^{1}	1.00 x 10^{0}	2.83 x 10^{-1}
u (atm cm) STP	2.17 x 10^{5}	1.10 x 10^{5}	5.57 x 10^{4}	2.80 x 10^{4}	8.71 x 10^{4}	8.62 x 10^{4}	2.19 x 10^{4}	4.73 x 10^{4}	3.16 x 10^{4}	1.59 x 10^{4}	7.93 x 10^{3}	3.99 x 10^{3}	9.94 x 10^{3}	9.94 x 10^{3}	9.94 x 10^{3}	3.32 x 10^{3}	3.32 x 10^{3}	3.32 x 10^{3}	3.32 x 10^{3}	1.01 x 10^{3}	1.01 x 10^{3}	1.01 x 10^{3}	1.01 x 10^{3}	1.01 x 10^{3}	3.30 x 10^{2}	3.30 x 10^{2}	3.30 x 10^{2}

ν (cm^{-1})	λ (micron)	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100
[illegible]	1.43079	52.3	72.5	84.[illegible]	92.5	78.5	77.2	95.1	86.1	91.1	95.7	95.1	99.3	97.2	99.4	98.2	98.3	98.9	99.2	100.0	100.0						
[illegible]	1.43074	52.1	72.7	84.4	92.5	77.1	77.2	95.1	85.9	90.8	95.7	94.9	99.3	96.9	99.1	98.0	98.4	99.0	99.2	100.0	100.0						
[illegible]	1.43069	52.5	72.1	84.0	92.5	76.5	77.9	95.2	86.7	90.6	95.5	95.0	99.3	96.8	97.8	98.0	98.7	99.1	99.2	100.0	100.0						
[illegible]	1.43063	53.1	72.4	84.7	92.5	76.7	79.0	95.2	85.5	90.5	95.5	97.9	99.3	97.1	97.9	98.0	98.4	99.3	99.2	100.0	100.0						
[illegible]	1.43058	52.2	72.1	84.4	92.5	78.0	78.7	95.7	85.3	90.4	95.5	97.9	99.2	97.2	98.2	98.0	98.3	99.3	99.1	100.0	100.0						
[illegible]	1.43052	50.5	71.5	84.1	92.2	78.3	77.5	95.4	85.2	90.3	95.4	97.8	99.2	97.1	98.4	98.0	98.3	99.2	99.1	100.0	100.0						
[illegible]	1.43047	49.7	70.9	83.6	92.0	77.7	75.4	95.1	85.1	90.1	95.3	97.8	99.2	97.3	98.5	98.0	98.9	99.0	99.1	100.0	100.0						
[illegible]	1.43042	49.5	70.5	83.5	91.9	76.5	75.1	95.0	85.0	90.0	95.3	97.7	99.1	96.8	98.3	98.1	98.3	98.9	99.0	100.0	100.0						
[illegible]	1.43036	50.5	70.4	83.6	91.9	75.4	75.5	95.3	84.9	89.9	95.2	97.7	99.1	96.7	97.9	98.4	98.3	98.9	99.0	100.0	100.0						
[illegible]	1.43031	51.0	70.8	83.8	92.0	75.1	77.2	95.3	84.7	89.8	95.1	97.7	99.1	96.9	98.0	98.4	98.9	99.2	99.0	100.0	100.0						
[illegible]	1.43026	50.3	70.6	83.8	91.7	75.9	77.9	95.5	84.5	89.8	95.0	97.7	99.0	97.0	98.1	98.5	99.0	99.2	99.0	100.0	100.0						
[illegible]	1.43020	48.5	69.9	83.4	91.5	77.0	75.5	94.7	84.5	89.7	94.9	97.7	99.0	97.2	98.2	98.5	99.1	99.2	99.1	100.0	100.0						
[illegible]	1.43015	46.9	68.7	82.4	91.2	77.0	74.8	94.2	84.3	89.5	94.8	97.7	99.0	97.1	98.2	98.4	99.0	99.2	99.1	100.0	100.0						
[illegible]	1.43010	45.9	67.4	81.9	91.0	75.9	73.5	94.1	84.1	89.4	94.7	97.7	99.0	96.9	98.1	98.2	99.1	99.2	99.1	100.0	100.0						
[illegible]	1.43004	46.1	67.4	81.4	90.9	74.2	73.1	94.1	84.0	89.3	94.6	97.7	99.0	96.4	97.9	98.2	99.1	99.1	99.1	100.0	100.0						
[illegible]	1.42999	47.4	67.6	82.1	91.1	72.7	73.8	94.2	83.8	89.3	94.6	97.7	99.0	96.1	97.5	98.2	99.0	98.8	99.1	100.0	100.0						
[illegible]	1.42994	48.5	68.5	82.5	91.4	72.8	75.0	94.9	83.7	89.2	94.5	97.6	99.0	96.2	97.4	98.2	99.1	98.8	99.1	100.0	100.0						
[illegible]	1.42989	48.4	69.1	83.0	91.4	73.5	75.5	95.1	83.5	89.2	94.5	97.6	99.0	96.5	97.7	98.2	99.1	99.0	99.1	100.0	100.0						
[illegible]	1.42983	47.4	68.4	82.7	91.2	74.7	75.1	94.9	83.5	89.1	94.5	97.6	99.0	96.7	98.0	98.5	99.1	99.2	99.1	100.0	100.0						
[illegible]	1.42978	46.2	68.0	82.3	91.0	75.2	74.8	94.5	83.5	89.1	94.5	97.5	99.0	97.0	98.1	98.3	99.3	99.1	99.1	100.0	100.0						
[illegible]	1.42973	45.5	67.2	81.7	90.9	74.4	73.5	94.1	83.4	89.0	94.5	97.5	99.0	96.7	97.9	98.1	98.8	99.1	99.1	100.0	100.0						
[illegible]	1.42967	45.0	66.7	81.4	90.8	72.9	73.8	94.3	83.3	88.9	94.5	97.5	99.0	96.5	97.8	98.2	98.7	98.9	99.1	100.0	100.0						
[illegible]	1.42962	45.2	66.7	81.5	90.8	71.9	73.9	94.3	83.2	88.8	94.5	97.5	99.0	96.5	97.7	97.9	98.7	98.7	99.1	100.0	100.0						
[illegible]	1.42957	45.1	66.7	81.6	90.7	72.1	73.9	94.1	83.1	88.7	94.5	97.4	99.0	96.4	97.6	97.8	98.6	98.7	99.1	100.0	100.0						
[illegible]	1.42951	44.6	66.4	81.3	90.6	72.5	73.1	94.0	83.1	88.7	94.5	97.4	99.0	96.3	97.6	97.8	98.6	98.8	99.1	100.0	100.0						
[illegible]	1.42946	44.3	66.2	81.3	90.6	72.6	72.2	93.7	83.0	88.7	94.5	97.4	99.0	96.3	97.7	97.9	98.6	98.6	99.1	100.0	100.0						
[illegible]	1.42941	43.7	65.8	81.0	90.5	72.3	71.7	93.5	83.0	88.7	94.5	97.4	99.0	96.3	97.6	97.8	98.6	98.9	99.1	100.0	100.0						
[illegible]	1.42935	43.9	65.3	81.1	90.5	71.7	72.2	93.5	82.9	88.7	94.5	97.4	99.0	96.2	97.4	97.6	98.6	98.7	99.1	100.0	100.0						
[illegible]	1.42930	45.5	66.6	81.9	90.9	71.0	73.2	93.7	82.8	88.7	94.5	97.4	99.0	96.2	97.5	97.7	98.7	98.6	99.1	100.0	100.0						
[illegible]	1.42925	46.1	67.3	81.7	90.9	71.5	74.1	94.2	82.8	88.7	94.5	97.4	98.8	96.3	97.3	97.8	98.7	98.5	99.1	100.0	100.0						
[illegible]	1.42920	46.0	67.6	81.8	90.9	72.5	74.5	94.4	82.8	88.6	94.5	97.4	98.8	96.4	97.6	97.9	98.8	98.6	99.1	100.0	100.0						
[illegible]	1.42914	44.3	67.2	81.7	90.8	73.3	74.2	94.2	82.7	88.5	94.5	97.4	98.9	96.5	97.4	97.6	98.8	98.8	99.1	100.0	100.0						
[illegible]	1.42909	43.2	66.3	81.4	90.6	73.4	73.1	93.8	82.7	88.5	94.5	97.4	98.9	96.3	97.4	97.8	98.9	99.1	99.1	100.0	100.0						
[illegible]	1.42904	42.3	65.5	81.0	90.4	72.5	71.6	93.4	82.7	88.5	94.5	97.4	98.9	96.2	97.4	97.8	98.9	99.0	99.1	100.0	100.0						
[illegible]	1.42898	42.7	65.1	80.9	90.3	71.2	71.4	93.4	82.6	88.4	94.5	97.4	98.9	96.1	97.3	97.7	98.8	98.8	99.1	100.0	100.0						
[illegible]	1.42893	43.7	65.5	80.8	90.4	70.3	71.9	93.5	82.5	88.4	94.4	97.4	98.9	96.0	97.2	97.5	98.8	98.6	99.1	100.0	100.0						
[illegible]	1.42888	44.4	65.8	81.1	90.5	70.5	72.9	93.7	82.5	88.4	94.4	97.4	98.8	95.9	97.3	97.5	98.8	98.5	99.1	100.0	100.0						
[illegible]	1.42882	44.7	66.2	81.3	90.5	71.5	73.5	93.8	82.4	88.3	94.4	97.4	98.7	96.0	97.4	97.7	98.7	98.5	99.1	100.0	100.0						
[illegible]	1.42877	44.5	66.4	81.2	90.5	72.5	73.3	93.8	82.4	88.3	94.4	97.4	98.7	96.4	97.4	97.7	98.7	98.7	99.1	100.0	100.0						
[illegible]	1.42872	44.4	66.5	81.4	90.5	72.6	72.7	93.8	82.5	88.3	94.4	97.4	98.7	96.4	97.3	97.7	98.7	98.9	99.1	100.0	100.0						
[illegible]	1.42866	44.4	66.3	81.3	90.5	72.0	73.0	93.8	82.5	88.3	94.4	97.4	98.7	96.3	97.2	97.7	98.7	98.9	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	1.42861	44.9	66.4	81.5	90.7	71.8	73.5	93.7	82.5	88.3	94.4	97.4	98.7	96.2	97.2	97.6	98.7	98.8	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	1.42856	45.7	66.8	81.8	90.9	72.3	73.9	93.9	82.5	88.3	94.4	97.4	98.7	96.3	97.2	97.7	98.7	98.6	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	1.42851	44.5	66.9	81.8	90.8	72.9	73.8	93.9	82.5	88.4	94.4	97.4	98.7	96.5	97.4	97.7	98.5	98.8	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	1.42845	43.8	66.5	81.5	90.6	72.8	73.6	93.7	82.5	88.4	94.4	97.4	98.7	96.5	97.4	97.7	98.5	98.9	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	1.42840	43.4	65.9	81.4	90.4	72.2	72.5	93.4	82.7	88.4	94.4	97.4	98.7	96.4	97.4	97.8	98.5	99.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	1.42835	44.3	65.8	81.6	90.4	71.1	72.1	93.3	82.8	88.4	94.4	97.4	98.7	96.3	97.3	97.6	98.7	98.9	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	1.42829	44.9	66.5	81.7	90.7	71.3	72.8	93.5	82.8	88.4	94.4	97.4	98.7	96.4	97.1	97.7	98.7	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	1.42824	45.8	67.2	81.6	90.9	72.3	73.9	94.0	82.3	88.4	94.4	97.4	98.7	96.7	97.1	97.7	98.7	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	1.42819	46.1	67.7	81.9	91.0	73.5	74.6	94.3	82.3	88.4	94.4	97.4	98.6	96.7	97.5	97.8	98.8	98.9	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	1.42813	45.3	67.3	81.9	91.0	74.3	74.0	94.4	82.3	88.4	94.4	97.4	98.6	96.9	97.7	97.9	98.8	99.1	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	1.42809	45.5	67.6	81.8	91.0	73.5	73.9	94.3	82.3	88.4	94.4	97.4	98.6	96.8	97.7	97.9	98.8	99.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	1.42803	44.7	66.9	81.6	91.0	72.7	73.5	94.1	82.9	88.5	94.4	97.4	98.6	96.2	97.4	97.6	98.8	98.8	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	1.42798	44.4	66.6	81.5	91.0	72.6	73.4	94.1	82.9	88.5	94.5	97.5	98.5	96.3	97.4	97.7	98.8	98.8	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	1.42792	44.4	66.5	81.5	90.9	72.5	73.6	94.1	83.0	88.5	94.5	97.5	98.6	96.3	97.4	97.8	98.8	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	1.42787	44.7	66.9	81.5	90.9	72.5	72.6	94.1	83.1	88.5	94.5	97.5	98.6	96.5	97.4	97.8	98.8	98.8	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	1.42782	45.1	66.8	81.5	91.1	72.5	72.8	94.1	83.1	88.6	94.5	97.5	98.6	96.5	97.5	97.9	98.8	98.8	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	1.42776	45.9	67.5	81.8	91.1	72.5	73.1	94.1	83.0	88.6	94.5	97.5	98.5	96.3	97.4	97.8	98.8	98.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	1.42771	47.5	68.2	82.1	91.1	73.5	74.0	94.2	83.0	88.6	94.5	97.5	98.5	96.5	97.3	97.7	98.8	98.6	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	1.42764	48.9	69.1	82.7	91.3	74.7	74.7	94.3	83.1	88.6	94.5	97.5	98.6	96.9	97.5	97.9	98.8	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	1.42760	48.8	69.3	83.[illegible]	91.4	75.5	75.5	94.8	83.2	88.7	94.7	97.5	98.6	97.1	97.7	98.2	98.8	98.9	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	1.42755	48.3	69.2	83.2	91.5	75.7	75.6	94.9	83.3	88.7	94.7	97.5	98.6	97.3	97.9	98.2	99.1	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	1.42750	46.4	68.6	82.4	91.2	74.9	74.4	94.5	83.4	88.7	94.7	97.5	98.6	97.0	97.6	98.0	98.8	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	1.42745	45.6	67.7	81.[illegible]	91.[illegible]	73.4	73.4	94.3	83.5	88.8	94.7	97.5	98.6	96.8	97.4	97.8	98.8	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	1.42739	46.[illegible]	67.1	81.[illegible]	91.[illegible]	72.7	72.9	93.9	83.5	88.9	94.7	97.5	98.6	96.7	97.4	97.8	98.8	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Table 4-1 (contd)

Sam. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
p(atm)	$\times 10^{0}$	$\times 10^{0}$	$\times 10^{0}$	$\times 10^{0}$	2.00×10^{0}	1.00×10^{0}	1.00×10^{0}	1.46×10^{1}	1.00×10^{1}	1.00×10^{1}	1.00×10^{1}	1.00×10^{0}	2.30×10^{-1}	2.30×10^{-1}	1.16×10^{-1}	7.70×10^{-2}	$\times 10^{-2}$	$\times 10^{-2}$	3.85×10^{-2}	6.65×10^{-1}	6.65×10^{-1}	$\times 10^{-2}$	2.34×10^{-2}	2.34×10^{-2}	2.17×10^{-1}	2.17×10^{-1}	2.17×10^{-1}
P_e(atm)	3.29×10^{0}	$\times 10^{0}$	$\times 10^{0}$	3.29×10^{0}	2.62×10^{0}	1.31×10^{0}	1.31×10^{0}	2.03×10^{1}	1.36×10^{1}	1.36×10^{1}	1.36×10^{1}	1.36×10^{1}	9.99×10^{-1}	3.00×10^{-1}	1.50×10^{-1}	1.001×10^{0}	3.03×10^{-1}	1.001×10^{-1}	5.03×10^{-2}	1.31×10^{0}	8.65×10^{-1}	3.00×10^{-1}	1.02×10^{-1}	3.04×10^{-2}	1.30×10^{0}	1.00×10^{0}	2.83×10^{-1}
u (atm cm) STP	2.17×10^{5}	$\times 10^{5}$	$\times 10^{4}$	$\times 10^{4}$	$\times 10^{4}$	8.62×10^{4}	2.19×10^{4}	$\times 10^{4}$	3.16×10^{4}	1.59×10^{4}	7.93×10^{3}	3.99×10^{3}	9.94×10^{3}	9.94×10^{3}	9.94×10^{3}	3.32×10^{3}	3.32×10^{3}	3.32×10^{3}	3.32×10^{3}	1.01×10^{3}	1.01×10^{3}	1.01×10^{3}	1.01×10^{3}	1.01×10^{3}	3.30×10^{2}	3.30×10^{2}	3.30×10^{2}

ν (cm^{-1})	λ (micron)	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100
[illegible]	1.42311	[illegible]	60.3	[illegible]	[illegible]	70.0	[illegible]	[illegible]	72.0	81.1	90.1	[illegible]	97.7	96.3	97.4	[illegible]	98.4	98.9	98.3	[illegible]	100.0	[illegible]	99.3	100.0	99.4	99.9	100.0	100.0
[illegible]	1.42306	39.5	61.1	[illegible]	[illegible]	70.3	[illegible]	[illegible]	73.7	[illegible]	90.3	[illegible]	97.5	96.5	97.9	[illegible]	98.7	99.1	98.3	[illegible]	100.0	[illegible]	99.5	100.0	99.2	99.9	100.0	100.0
[illegible]	1.42301	38.4	58.5	[illegible]	[illegible]	65.3	[illegible]	[illegible]	71.4	[illegible]	89.9	[illegible]	97.6	96.5	98.1	[illegible]	98.4	99.1	99.0	[illegible]	100.0	[illegible]	99.7	100.0	100.0	99.8	100.0	100.0
[illegible]	1.42296	[illegible]	54.9	[illegible]	[illegible]	60.4	[illegible]	[illegible]	71.1	[illegible]	89.5	[illegible]	97.5	95.1	97.5	[illegible]	98.1	98.7	99.0	[illegible]	100.0	[illegible]	99.7	100.0	99.2	99.8	100.0	100.0
[illegible]	1.42290	28.3	49.4	[illegible]	[illegible]	55.2	[illegible]	[illegible]	70.7	[illegible]	89.4	[illegible]	97.6	93.4	96.2	[illegible]	97.6	98.0	98.9	[illegible]	100.0	[illegible]	99.5	[illegible]	99.2	99.9	100.0	100.0
[illegible]	1.42285	[illegible]	45.4	[illegible]	[illegible]	50.8	[illegible]	[illegible]	70.3	[illegible]	89.1	[illegible]	97.5	92.2	94.5	[illegible]	97.1	97.4	98.4	[illegible]	100.0	[illegible]	99.5	[illegible]	99.2	99.9	100.0	100.0
[illegible]	1.42280	[illegible]	43.4	[illegible]	[illegible]	48.7	[illegible]	[illegible]	70.0	[illegible]	88.9	[illegible]	97.5	91.4	93.4	[illegible]	97.1	97.0	97.9	[illegible]	100.0	[illegible]	99.5	[illegible]	99.6	99.9	100.0	100.0
[illegible]	1.42274	[illegible]	43.4	[illegible]	[illegible]	49.7	[illegible]	[illegible]	69.7	[illegible]	88.3	[illegible]	97.5	91.5	93.3	[illegible]	97.5	96.9	97.5	[illegible]	100.0	[illegible]	99.4	[illegible]	99.5	99.9	99.9	100.0
[illegible]	1.42269	[illegible]	46.8	[illegible]	[illegible]	54.1	[illegible]	[illegible]	69.0	[illegible]	88.5	[illegible]	97.4	92.5	94.1	[illegible]	97.3	97.0	97.5	[illegible]	100.0	[illegible]	99.4	[illegible]	99.5	99.9	99.9	100.0
[illegible]	1.42264	[illegible]	51.0	[illegible]	[illegible]	59.8	[illegible]	[illegible]	69.0	[illegible]	88.5	[illegible]	97.4	93.7	95.2	[illegible]	98.2	97.9	98.3	[illegible]	100.0	[illegible]	99.4	[illegible]	99.6	99.9	99.9	100.0
[illegible]	1.42259	[illegible]	53.1	[illegible]	[illegible]	62.8	[illegible]	[illegible]	68.7	[illegible]	88.4	[illegible]	97.3	94.8	95.3	[illegible]	98.1	98.2	98.3	[illegible]	100.0	[illegible]	99.5	[illegible]	99.5	99.9	99.9	100.0
[illegible]	1.42253	[illegible]	53.1	[illegible]	[illegible]	62.7	[illegible]	[illegible]	68.3	[illegible]	88.3	[illegible]	97.3	95.3	97.1	[illegible]	98.2	98.4	98.5	[illegible]	100.0	[illegible]	99.5	[illegible]	99.4	99.9	99.9	100.0
[illegible]	1.42248	[illegible]	51.3	[illegible]	[illegible]	60.1	[illegible]	[illegible]	67.9	[illegible]	88.2	[illegible]	97.3	94.9	97.1	[illegible]	97.7	98.5	98.3	[illegible]	99.9	[illegible]	99.5	[illegible]	99.4	100.0	100.0	100.0
[illegible]	1.42243	[illegible]	48.3	[illegible]	[illegible]	56.4	[illegible]	[illegible]	67.6	[illegible]	88.3	[illegible]	97.3	94.1	96.2	[illegible]	97.6	98.2	[illegible]	[illegible]	99.9	[illegible]	99.5	[illegible]	99.5	99.9	100.0	100.0
[illegible]	1.42239	[illegible]	44.9	[illegible]	[illegible]	53.4	[illegible]	[illegible]	67.2	[illegible]	88.3	[illegible]	97.3	93.1	95.2	[illegible]	97.1	97.8	98.5	[illegible]	99.9	[illegible]	99.4	[illegible]	99.3	99.9	99.9	100.0
[illegible]	1.42233	[illegible]	41.4	[illegible]	[illegible]	49.5	[illegible]	[illegible]	66.7	[illegible]	87.7	[illegible]	97.2	92.0	94.1	[illegible]	96.8	97.2	98.1	[illegible]	99.9	[illegible]	99.3	[illegible]	99.6	99.5	99.9	100.0
[illegible]	1.42227	[illegible]	39.4	[illegible]	[illegible]	46.4	[illegible]	[illegible]	66.2	[illegible]	87.5	[illegible]	97.1	90.9	93.9	[illegible]	96.7	96.6	97.5	[illegible]	99.9	[illegible]	99.1	[illegible]	99.5	99.5	99.9	100.0
[illegible]	1.42222	[illegible]	39.5	[illegible]	[illegible]	45.3	[illegible]	[illegible]	65.7	[illegible]	87.5	[illegible]	97.0	90.4	93.0	[illegible]	96.4	96.8	97.3	[illegible]	99.9	[illegible]	99.0	[illegible]	99.5	99.1	99.9	100.0
[illegible]	1.42217	[illegible]	41.6	[illegible]	[illegible]	47.0	[illegible]	[illegible]	65.3	[illegible]	87.5	[illegible]	97.0	90.9	93.1	[illegible]	97.2	96.9	97.3	[illegible]	99.9	[illegible]	99.0	[illegible]	99.5	99.2	99.9	100.0
[illegible]	1.42211	[illegible]	45.6	[illegible]	[illegible]	51.1	[illegible]	[illegible]	64.9	[illegible]	87.1	[illegible]	96.9	91.9	93.0	[illegible]	97.3	97.3	97.5	[illegible]	99.9	[illegible]	99.0	[illegible]	99.3	99.5	100.0	100.0
[illegible]	1.42206	[illegible]	48.3	[illegible]	[illegible]	56.6	[illegible]	[illegible]	64.3	[illegible]	87.0	[illegible]	96.9	93.4	94.9	[illegible]	98.3	97.9	97.5	[illegible]	99.9	[illegible]	99.3	[illegible]	99.5	99.6	100.0	100.0
[illegible]	1.42201	[illegible]	49.6	[illegible]	[illegible]	59.7	[illegible]	[illegible]	64.3	[illegible]	86.8	[illegible]	96.8	94.4	95.3	[illegible]	98.5	98.1	98.3	[illegible]	99.9	[illegible]	99.5	[illegible]	99.3	99.5	100.0	100.0
[illegible]	1.42195	[illegible]	48.3	[illegible]	[illegible]	59.3	[illegible]	[illegible]	63.9	[illegible]	86.5	[illegible]	96.8	94.4	95.4	[illegible]	98.3	98.4	98.4	[illegible]	99.9	[illegible]	99.5	[illegible]	99.4	99.5	100.0	100.0
[illegible]	1.42190	[illegible]	45.3	[illegible]	[illegible]	56.1	[illegible]	[illegible]	63.4	[illegible]	86.3	[illegible]	96.7	93.9	95.3	[illegible]	97.6	98.4	98.5	[illegible]	99.9	[illegible]	99.4	[illegible]	99.7	99.5	100.0	100.0
[illegible]	1.42185	[illegible]	40.7	[illegible]	[illegible]	51.3	[illegible]	[illegible]	62.9	[illegible]	86.1	[illegible]	96.6	92.4	93.9	[illegible]	97.3	97.7	98.5	[illegible]	99.9	[illegible]	99.5	[illegible]	99.3	99.5	100.0	100.0
[illegible]	1.42180	[illegible]	35.6	[illegible]	[illegible]	46.8	[illegible]	[illegible]	62.5	[illegible]	85.7	[illegible]	96.5	90.7	93.1	[illegible]	96.4	97.2	98.3	[illegible]	99.9	[illegible]	99.4	[illegible]	99.4	99.4	100.0	100.0
[illegible]	1.42174	[illegible]	32.4	[illegible]	[illegible]	40.7	[illegible]	[illegible]	62.0	[illegible]	85.5	[illegible]	96.3	89.1	92.0	[illegible]	96.3	96.6	97.5	[illegible]	99.9	[illegible]	99.1	[illegible]	99.3	99.4	100.0	100.0
[illegible]	1.42169	[illegible]	32.3	[illegible]	[illegible]	38.2	[illegible]	[illegible]	61.6	[illegible]	85.3	[illegible]	96.4	88.4	91.7	[illegible]	96.5	96.6	97.7	[illegible]	99.9	[illegible]	98.9	[illegible]	99.4	99.3	100.0	100.0
[illegible]	1.42164	[illegible]	35.2	[illegible]	[illegible]	38.3	[illegible]	[illegible]	61.3	[illegible]	85.2	[illegible]	96.4	88.8	91.4	[illegible]	96.5	96.6	96.5	[illegible]	99.9	[illegible]	98.8	[illegible]	99.4	99.1	100.0	100.0
[illegible]	1.42159	[illegible]	40.1	[illegible]	[illegible]	42.7	[illegible]	[illegible]	60.9	[illegible]	84.9	[illegible]	96.3	90.4	91.4	[illegible]	97.3	97.7	98.5	[illegible]	99.9	[illegible]	98.9	[illegible]	99.5	99.4	100.0	100.0
[illegible]	1.42153	[illegible]	45.4	[illegible]	[illegible]	49.3	[illegible]	[illegible]	60.5	[illegible]	85.0	[illegible]	96.2	92.8	93.3	[illegible]	98.1	98.9	98.8	[illegible]	99.9	[illegible]	99.1	[illegible]	99.8	99.5	99.4	100.0
[illegible]	1.42148	[illegible]	49.1	[illegible]	[illegible]	58.9	[illegible]	[illegible]	60.2	[illegible]	84.7	[illegible]	96.1	94.5	95.4	[illegible]	98.5	98.5	98.7	[illegible]	99.9	[illegible]	99.3	[illegible]	99.4	99.5	99.4	100.0
[illegible]	1.42143	[illegible]	48.6	[illegible]	[illegible]	61.1	[illegible]	[illegible]	59.9	[illegible]	84.7	[illegible]	96.0	95.0	97.0	[illegible]	98.6	98.6	98.5	[illegible]	99.9	[illegible]	99.4	[illegible]	99.4	100.0	100.0	100.0
[illegible]	1.42138	[illegible]	45.9	[illegible]	[illegible]	60.0	[illegible]	[illegible]	59.3	[illegible]	84.4	[illegible]	95.9	94.4	97.4	[illegible]	97.8	98.3	98.9	[illegible]	99.9	[illegible]	99.5	[illegible]	99.5	100.0	100.0	100.0
[illegible]	1.42132	[illegible]	39.5	[illegible]	[illegible]	56.3	[illegible]	[illegible]	58.6	[illegible]	84.3	[illegible]	95.9	92.9	95.3	[illegible]	96.6	96.4	98.1	[illegible]	99.9	[illegible]	99.5	[illegible]	99.7	99.4	100.0	100.0
[illegible]	1.42127	[illegible]	33.2	[illegible]	[illegible]	50.5	[illegible]	[illegible]	57.9	[illegible]	83.5	[illegible]	95.7	90.4	93.7	[illegible]	95.8	95.8	98.7	[illegible]	99.8	[illegible]	99.2	[illegible]	99.4	99.4	99.9	100.0
[illegible]	1.42122	[illegible]	28.5	[illegible]	[illegible]	43.3	[illegible]	[illegible]	57.3	[illegible]	83.2	[illegible]	95.6	87.4	93.5	[illegible]	94.8	95.7	97.7	[illegible]	99.7	[illegible]	98.9	[illegible]	99.6	99.3	99.9	100.0
[illegible]	1.42117	[illegible]	27.8	[illegible]	[illegible]	36.2	[illegible]	[illegible]	56.8	[illegible]	83.0	[illegible]	95.5	85.3	91.9	[illegible]	94.3	95.1	96.5	[illegible]	99.7	[illegible]	98.8	[illegible]	99.4	99.3	99.9	100.0
[illegible]	1.42111	[illegible]	31.1	[illegible]	[illegible]	32.8	[illegible]	[illegible]	56.3	[illegible]	82.8	[illegible]	95.5	85.7	91.7	[illegible]	96.1	95.4	96.7	[illegible]	99.6	[illegible]	98.5	[illegible]	98.9	99.3	99.9	100.0
[illegible]	1.42106	[illegible]	36.5	[illegible]	[illegible]	36.5	[illegible]	[illegible]	55.9	[illegible]	82.7	[illegible]	95.5	87.7	93.3	[illegible]	97.3	96.8	96.9	[illegible]	99.5	[illegible]	98.5	[illegible]	99.2	99.1	99.9	100.0
[illegible]	1.42101	[illegible]	41.7	[illegible]	[illegible]	45.0	[illegible]	[illegible]	55.5	[illegible]	82.5	[illegible]	95.4	90.8	93.2	[illegible]	97.7	97.0	96.4	[illegible]	99.6	[illegible]	98.6	[illegible]	99.8	99.4	99.9	100.0
[illegible]	1.42095	[illegible]	44.3	[illegible]	[illegible]	53.3	[illegible]	[illegible]	55.1	[illegible]	82.5	[illegible]	95.2	93.7	95.2	[illegible]	98.3	98.1	97.4	[illegible]	99.6	[illegible]	99.2	[illegible]	99.4	99.5	99.9	100.0
[illegible]	1.42089	[illegible]	42.6	[illegible]	[illegible]	57.5	[illegible]	[illegible]	54.6	[illegible]	82.3	[illegible]	95.2	95.0	97.3	[illegible]	98.1	98.6	99.1	[illegible]	99.5	[illegible]	99.3	[illegible]	99.6	99.3	99.9	100.0
[illegible]	1.42083	[illegible]	37.3	[illegible]	[illegible]	55.4	[illegible]	[illegible]	53.9	[illegible]	81.9	[illegible]	95.1	94.0	97.1	[illegible]	97.1	98.4	99.3	[illegible]	99.5	[illegible]	99.4	[illegible]	99.4	99.3	99.9	100.0
[illegible]	1.42078	[illegible]	30.4	[illegible]	[illegible]	51.4	[illegible]	[illegible]	53.3	[illegible]	81.5	[illegible]	95.1	92.9	95.4	[illegible]	96.1	97.6	99.3	[illegible]	99.4	[illegible]	98.9	[illegible]	99.5	99.7	99.9	100.0
[illegible]	1.42072	[illegible]	24.7	[illegible]	[illegible]	44.7	[illegible]	[illegible]	52.7	[illegible]	81.1	[illegible]	94.9	89.1	92.2	[illegible]	95.1	96.4	98.6	[illegible]	99.3	[illegible]	98.6	[illegible]	99.3	99.2	99.9	100.0
[illegible]	1.42067	[illegible]	21.4	[illegible]	[illegible]	36.3	[illegible]	[illegible]	52.1	[illegible]	80.7	[illegible]	94.8	86.0	88.7	[illegible]	94.5	95.2	97.5	[illegible]	99.3	[illegible]	98.3	[illegible]	98.8	99.2	99.9	100.0
[illegible]	1.42061	[illegible]	21.5	[illegible]	[illegible]	28.4	[illegible]	[illegible]	51.5	[illegible]	80.3	[illegible]	94.6	83.5	86.2	[illegible]	94.4	94.8	96.8	[illegible]	99.3	[illegible]	98.2	[illegible]	98.7	99.2	99.9	100.0
[illegible]	1.42056	[illegible]	24.5	[illegible]	[illegible]	25.7	[illegible]	[illegible]	51.0	[illegible]	80.1	[illegible]	94.6	83.2	85.4	[illegible]	94.4	94.8	95.2	[illegible]	99.3	[illegible]	98.2	[illegible]	98.8	99.2	99.9	100.0
[illegible]	1.42050	[illegible]	[illegible]	[illegible]	[illegible]	28.2	[illegible]	[illegible]	50.6	[illegible]	80.1	[illegible]	94.5	85.4	87.8	[illegible]	95.9	95.6	95.1	[illegible]	99.3	[illegible]	98.3	[illegible]	98.9	99.2	99.9	100.0
[illegible]	1.42044	[illegible]	35.3	[illegible]	[illegible]	35.1	[illegible]	[illegible]	50.1	[illegible]	80.0	[illegible]	94.5	88.7	90.6	[illegible]	97.1	95.7	95.9	[illegible]	99.3	[illegible]	98.5	[illegible]	99.2	99.1	99.9	100.0
[illegible]	1.42039	[illegible]	36.4	[illegible]	[illegible]	43.1	[illegible]	[illegible]	49.6	[illegible]	79.8	[illegible]	94.5	91.5	93.7	[illegible]	97.5	96.4	97.1	[illegible]	99.3	[illegible]	99.0	[illegible]	99.6	99.1	99.9	100.0
[illegible]	1.42033	[illegible]	38.2	[illegible]	[illegible]	48.4	[illegible]	[illegible]	49.3	[illegible]	79.5	[illegible]	94.4	93.0	95.4	[illegible]	97.8	97.7	98.3	[illegible]	99.2	[illegible]	99.2	[illegible]	99.7	99.1	99.8	100.0
[illegible]	1.42028	[illegible]	39.7	[illegible]	[illegible]	48.4	[illegible]	[illegible]	48.8	[illegible]	79.4	[illegible]	94.4	92.8	95.2	[illegible]	98.3	98.1	98.4	[illegible]	99.1	[illegible]	99.1	[illegible]	99.5	99.1	99.8	100.0
[illegible]	1.42022	[illegible]	35.0	[illegible]	[illegible]	43.3	[illegible]	[illegible]	48.3	[illegible]	79.3	[illegible]	94.3	90.1	92.3	[illegible]	95.8	97.1	95.3	[illegible]	99.1	[illegible]	98.9	[illegible]	99.4	99.1	99.8	100.0
[illegible]	1.42017	[illegible]	30.7	[illegible]	[illegible]	38.4	[illegible]	[illegible]	47.9	[illegible]	78.8	[illegible]	94.2	87.2	91.4	[illegible]	94.7	95.4	94.9	[illegible]	99.0	[illegible]	98.6	[illegible]	98.8	99.0	99.8	100.0
[illegible]	1.42011	[illegible]	29.1	[illegible]	[illegible]	35.6	[illegible]	[illegible]	47.5	[illegible]	78.6	[illegible]	94.1	84.8	88.1	[illegible]	94.5	94.4	95.9	[illegible]	99.0	[illegible]	98.5	[illegible]	98.7	99.1	99.8	100.0
[illegible]	1.42006	[illegible]	29.3	[illegible]	[illegible]	34.5	[illegible]	[illegible]	46.8	[illegible]	78.3	[illegible]	94.0	83.9	87.6	[illegible]	94.6	94.4	95.7	[illegible]	98.9	[illegible]	98.4	[illegible]	98.6	99.1	99.8	100.0
[illegible]	1.42000	[illegible]	31.1	[illegible]	[illegible]	33.8	[illegible]	[illegible]	45.6	[illegible]	78.0	[illegible]	94.0	84.5	87.8	[illegible]	94.4	94.9	95.7	[illegible]	98.8	[illegible]	98.4	[illegible]	98.4	99.1	99.8	100.0
[illegible]	1.41994	[illegible]	31.4	[illegible]	[illegible]	33.4	[illegible]	[illegible]	44.9	[illegible]	77.8	[illegible]	93.9	88.1	90.7	[illegible]	94.3	95.9	95.2	[illegible]	98.7	[illegible]	98.3	[illegible]	98.7	99.0	99.8	100.0
[illegible]	1.41989	[illegible]	31.4	[illegible]	[illegible]	33.4	[illegible]	[illegible]	44.3	[illegible]	77.4	[illegible]	93.8	88.5	91.8	[illegible]	94.5	95.6	95.2	[illegible]	98.7	[illegible]	98.3	[illegible]	98.7	99.0	99.8	100.0
[illegible]	1.41983	[illegible]	30.3	[illegible]	[illegible]	33.2	[illegible]	[illegible]	43.8	[illegible]	77.2	[illegible]	93.8	88.6	91.8	[illegible]	94.5	95.4	95.2	[illegible]	98.6	[illegible]	98.2	[illegible]	98.7	99.0	99.8	100.0
[illegible]	1.41978	[illegible]	29.4	[illegible]	[illegible]	32.5	[illegible]	[illegible]	43.2	[illegible]	77.1	[illegible]	93.8	86.8	90.5	[illegible]	94.3	95.3	94.9	[illegible]	98.6	[illegible]	98.2	[illegible]	98.6	99.0	99.8	100.0
[illegible]	1.41972	[illegible]	27.9	[illegible]	[illegible]	31.5	[illegible]	[illegible]	42.7	[illegible]	76.9	[illegible]	93.7	86.5	89.6	[illegible]	94.4	95.1	94.7	[illegible]	98.6	[illegible]	98.4	[illegible]	98.6	99.0	99.8	100.0

A17[illegible]	1.41970	3.3	16.5	[illegible]	[illegible]	25.4	[illegible]	[illegible]	42.2	[illegible]	[illegible]	[illegible]	[illegible]	84.2	[illegible]	[illegible]	94.3	[illegible]	[illegible]	[illegible]	98.5	[illegible]	[illegible]	[illegible]	[illegible]	99.0	99.8	100.0
A17[illegible]	1.41964	3.3	17.2	[illegible]	[illegible]	22.5	[illegible]	[illegible]	41.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	83.3	[illegible]	[illegible]	94.4	[illegible]	[illegible]	[illegible]	98.5	[illegible]	[illegible]	[illegible]	[illegible]	99.0	99.8	100.0
A174.4	1.41959	4.4	19.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	43.2	[illegible]	[illegible]	[illegible]	[illegible]	83.6	[illegible]	[illegible]	95.1	[illegible]	[illegible]	[illegible]	98.5	[illegible]	[illegible]	[illegible]	[illegible]	99.0	99.8	100.0
A174.5	1.41954	5.0	21.5	[illegible]	[illegible]	25.5	[illegible]	[illegible]	40.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	85.3	[illegible]	[illegible]	95.7	[illegible]	[illegible]	[illegible]	98.5	[illegible]	[illegible]	[illegible]	[illegible]	99.0	99.8	99.9
A174.6	1.41949	6.3	22.1	[illegible]	[illegible]	29.4	[illegible]	[illegible]	40.3	[illegible]	[illegible]	[illegible]	[illegible]	87.5	[illegible]	[illegible]	95.8	[illegible]	[illegible]	[illegible]	98.5	[illegible]	[illegible]	[illegible]	[illegible]	99.0	99.8	100.0
A175.	1.41943	6.3	21.9	[illegible]	[illegible]	33.1	[illegible]	[illegible]	39.3	[illegible]	[illegible]	[illegible]	[illegible]	88.5	[illegible]	[illegible]	95.3	[illegible]	[illegible]	[illegible]	98.5	[illegible]	[illegible]	[illegible]	[illegible]	99.0	99.8	99.9
A175.2	1.41938	4.4	17.7	[illegible]	[illegible]	13.3	[illegible]	[illegible]	38.5	[illegible]	[illegible]	[illegible]	[illegible]	87.4	[illegible]	[illegible]	93.9	[illegible]	[illegible]	[illegible]	98.5	[illegible]	[illegible]	[illegible]	[illegible]	99.0	99.8	99.9
A175.4	1.41933	2.9	13.3	[illegible]	[illegible]	29.4	[illegible]	[illegible]	37.9	[illegible]	[illegible]	[illegible]	[illegible]	84.5	[illegible]	[illegible]	92.5	[illegible]	[illegible]	[illegible]	98.5	[illegible]	[illegible]	[illegible]	[illegible]	99.0	99.8	99.9
A175.6	1.41928	2.1	11.3	[illegible]	[illegible]	23.5	[illegible]	[illegible]	37.3	[illegible]	[illegible]	[illegible]	[illegible]	81.3	[illegible]	[illegible]	92.1	[illegible]	[illegible]	[illegible]	98.5	[illegible]	[illegible]	[illegible]	[illegible]	99.0	99.8	100.0
A175.8	1.41923	2.1	10.2	[illegible]	[illegible]	18.0	[illegible]	[illegible]	36.5	[illegible]	[illegible]	[illegible]	[illegible]	79.2	[illegible]	[illegible]	91.9	[illegible]	[illegible]	[illegible]	98.5	[illegible]	[illegible]	[illegible]	[illegible]	99.0	99.7	99.9
A176.0	1.41917	2.3	11.2	[illegible]	[illegible]	15.1	[illegible]	[illegible]	36.1	[illegible]	[illegible]	[illegible]	[illegible]	78.4	[illegible]	[illegible]	92.7	[illegible]	[illegible]	[illegible]	98.5	[illegible]	[illegible]	[illegible]	[illegible]	99.0	99.7	99.9
A176.2	1.41912	3.1	13.5	[illegible]	[illegible]	16.3	[illegible]	[illegible]	35.7	[illegible]	[illegible]	[illegible]	[illegible]	80.3	[illegible]	[illegible]	94.0	[illegible]	[illegible]	[illegible]	98.5	[illegible]	[illegible]	[illegible]	[illegible]	99.1	99.7	99.9
A176.4	1.41907	4.3	16.2	[illegible]	[illegible]	21.4	[illegible]	[illegible]	35.2	[illegible]	[illegible]	[illegible]	[illegible]	83.9	[illegible]	[illegible]	95.5	[illegible]	[illegible]	[illegible]	98.5	[illegible]	[illegible]	[illegible]	[illegible]	99.1	99.7	99.9
A176.6	1.41901	5.4	19.7	[illegible]	[illegible]	27.0	[illegible]	[illegible]	34.9	[illegible]	[illegible]	[illegible]	[illegible]	87.0	[illegible]	[illegible]	95.5	[illegible]	[illegible]	[illegible]	98.5	[illegible]	[illegible]	[illegible]	[illegible]	99.2	99.7	99.9
A176.8	1.41896	5.7	20.5	[illegible]	[illegible]	31.1	[illegible]	[illegible]	34.3	[illegible]	[illegible]	[illegible]	[illegible]	88.9	[illegible]	[illegible]	95.4	[illegible]	[illegible]	[illegible]	98.5	[illegible]	[illegible]	[illegible]	[illegible]	99.2	99.7	99.9
A177.0	1.41891	4.3	19.2	[illegible]	[illegible]	32.5	[illegible]	[illegible]	33.9	[illegible]	[illegible]	[illegible]	[illegible]	88.7	[illegible]	[illegible]	94.4	[illegible]	[illegible]	[illegible]	98.4	[illegible]	[illegible]	[illegible]	[illegible]	99.2	99.7	99.9
A177.2	1.41886	3.4	16.1	[illegible]	[illegible]	30.5	[illegible]	[illegible]	33.9	[illegible]	[illegible]	[illegible]	[illegible]	86.4	[illegible]	[illegible]	92.5	[illegible]	[illegible]	[illegible]	98.4	[illegible]	[illegible]	[illegible]	[illegible]	99.2	99.7	99.9
A177.4	1.41880	2.5	12.2	[illegible]	[illegible]	25.3	[illegible]	[illegible]	32.4	[illegible]	[illegible]	[illegible]	[illegible]	83.9	[illegible]	[illegible]	93.8	[illegible]	[illegible]	[illegible]	98.4	[illegible]	[illegible]	[illegible]	[illegible]	99.3	99.7	99.9
A177.6	1.41875	1.9	9.0	[illegible]	[illegible]	18.1	[illegible]	[illegible]	31.7	[illegible]	[illegible]	[illegible]	[illegible]	76.7	[illegible]	[illegible]	89.7	[illegible]	[illegible]	[illegible]	98.3	[illegible]	[illegible]	[illegible]	[illegible]	99.3	99.7	99.9
A177.8	1.41870	1.3	7.5	[illegible]	[illegible]	12.4	[illegible]	[illegible]	31.1	[illegible]	[illegible]	[illegible]	[illegible]	73.5	[illegible]	[illegible]	90.1	[illegible]	[illegible]	[illegible]	98.3	[illegible]	[illegible]	[illegible]	[illegible]	99.3	99.7	99.9
A178.0	1.41865	1.3	7.8	[illegible]	[illegible]	10.9	[illegible]	[illegible]	30.5	[illegible]	[illegible]	[illegible]	[illegible]	73.5	[illegible]	[illegible]	91.4	[illegible]	[illegible]	[illegible]	98.3	[illegible]	[illegible]	[illegible]	[illegible]	99.3	99.7	99.9
A178.2	1.41859	1.3	10.2	[illegible]	[illegible]	13.1	[illegible]	[illegible]	29.9	[illegible]	[illegible]	[illegible]	[illegible]	75.7	[illegible]	[illegible]	92.3	[illegible]	[illegible]	[illegible]	98.2	[illegible]	[illegible]	[illegible]	[illegible]	99.3	99.7	99.9
A178.4	1.41854	2.4	12.9	[illegible]	[illegible]	17.6	[illegible]	[illegible]	29.5	[illegible]	[illegible]	[illegible]	[illegible]	79.5	[illegible]	[illegible]	93.3	[illegible]	[illegible]	[illegible]	98.1	[illegible]	[illegible]	[illegible]	[illegible]	99.3	99.7	99.9
A178.6	1.41849	3.0	14.4	[illegible]	[illegible]	22.3	[illegible]	[illegible]	29.1	[illegible]	[illegible]	[illegible]	[illegible]	84.2	[illegible]	[illegible]	94.7	[illegible]	[illegible]	[illegible]	98.1	[illegible]	[illegible]	[illegible]	[illegible]	99.3	99.7	99.9
A178.8	1.41844	2.9	14.9	[illegible]	[illegible]	25.4	[illegible]	[illegible]	28.7	[illegible]	[illegible]	[illegible]	[illegible]	86.2	[illegible]	[illegible]	94.3	[illegible]	[illegible]	[illegible]	98.1	[illegible]	[illegible]	[illegible]	[illegible]	99.3	99.7	99.9
A179.0	1.41838	2.3	13.9	[illegible]	[illegible]	24.1	[illegible]	[illegible]	28.2	[illegible]	[illegible]	[illegible]	[illegible]	85.3	[illegible]	[illegible]	93.3	[illegible]	[illegible]	[illegible]	98.0	[illegible]	[illegible]	[illegible]	[illegible]	99.3	99.7	99.9
A179.2	1.41833	2.3	11.7	[illegible]	[illegible]	21.0	[illegible]	[illegible]	27.8	[illegible]	[illegible]	[illegible]	[illegible]	83.0	[illegible]	[illegible]	91.7	[illegible]	[illegible]	[illegible]	98.0	[illegible]	[illegible]	[illegible]	[illegible]	99.3	99.7	99.9
A179.4	1.41828	1.8	8.5	[illegible]	[illegible]	16.9	[illegible]	[illegible]	27.3	[illegible]	[illegible]	[illegible]	[illegible]	79.9	[illegible]	[illegible]	89.9	[illegible]	[illegible]	[illegible]	98.0	[illegible]	[illegible]	[illegible]	[illegible]	99.3	99.7	99.9
A179.6	1.41823	1.4	6.2	[illegible]	[illegible]	12.3	[illegible]	[illegible]	26.5	[illegible]	[illegible]	[illegible]	[illegible]	76.1	[illegible]	[illegible]	89.1	[illegible]	[illegible]	[illegible]	98.0	[illegible]	[illegible]	[illegible]	[illegible]	99.3	99.6	99.9
A179.8	1.41818	1.2	5.3	[illegible]	[illegible]	9.5	[illegible]	[illegible]	25.9	[illegible]	[illegible]	[illegible]	[illegible]	73.4	[illegible]	[illegible]	88.4	[illegible]	[illegible]	[illegible]	98.0	[illegible]	[illegible]	[illegible]	[illegible]	99.3	99.5	99.9
A180.0	1.41812	1.5	5.4	[illegible]	[illegible]	14.4	[illegible]	[illegible]	25.2	[illegible]	[illegible]	[illegible]	[illegible]	72.5	[illegible]	[illegible]	88.3	[illegible]	[illegible]	[illegible]	98.0	[illegible]	[illegible]	[illegible]	[illegible]	99.3	99.5	99.9
A180.2	1.41807	0.9	5.3	[illegible]	[illegible]	11.1	[illegible]	[illegible]	24.5	[illegible]	[illegible]	[illegible]	[illegible]	74.1	[illegible]	[illegible]	90.4	[illegible]	[illegible]	[illegible]	98.0	[illegible]	[illegible]	[illegible]	[illegible]	99.3	99.5	99.9
A180.4	1.41802	0.9	7.4	[illegible]	[illegible]	13.3	[illegible]	[illegible]	24.2	[illegible]	[illegible]	[illegible]	[illegible]	76.5	[illegible]	[illegible]	91.9	[illegible]	[illegible]	[illegible]	98.0	[illegible]	[illegible]	[illegible]	[illegible]	99.3	99.5	99.9
A180.6	1.41797	1.1	8.1	[illegible]	[illegible]	15.3	[illegible]	[illegible]	23.7	[illegible]	[illegible]	[illegible]	[illegible]	79.4	[illegible]	[illegible]	93.0	[illegible]	[illegible]	[illegible]	98.0	[illegible]	[illegible]	[illegible]	[illegible]	99.3	99.5	99.7
A180.8	1.41791	1.1	8.4	[illegible]	[illegible]	16.3	[illegible]	[illegible]	23.4	[illegible]	[illegible]	[illegible]	[illegible]	82.0	[illegible]	[illegible]	92.7	[illegible]	[illegible]	[illegible]	97.9	[illegible]	[illegible]	[illegible]	[illegible]	99.3	99.5	99.7
A181.0	1.41786	1.1	8.3	[illegible]	[illegible]	15.9	[illegible]	[illegible]	23.1	[illegible]	[illegible]	[illegible]	[illegible]	81.5	[illegible]	[illegible]	92.0	[illegible]	[illegible]	[illegible]	97.9	[illegible]	[illegible]	[illegible]	[illegible]	99.3	99.5	99.7
A181.2	1.41781	1.0	7.1	[illegible]	[illegible]	13.3	[illegible]	[illegible]	22.9	[illegible]	[illegible]	[illegible]	[illegible]	79.9	[illegible]	[illegible]	91.0	[illegible]	[illegible]	[illegible]	97.9	[illegible]	[illegible]	[illegible]	[illegible]	99.3	99.5	99.7
A181.4	1.41776	0.9	5.7	[illegible]	[illegible]	11.2	[illegible]	[illegible]	22.5	[illegible]	[illegible]	[illegible]	[illegible]	78.9	[illegible]	[illegible]	90.1	[illegible]	[illegible]	[illegible]	97.9	[illegible]	[illegible]	[illegible]	[illegible]	99.3	99.5	99.7
A181.6	1.41770	0.9	4.7	[illegible]	[illegible]	9.4	[illegible]	[illegible]	22.1	[illegible]	[illegible]	[illegible]	[illegible]	76.1	[illegible]	[illegible]	89.0	[illegible]	[illegible]	[illegible]	97.9	[illegible]	[illegible]	[illegible]	[illegible]	99.3	99.5	99.7
A181.8	1.41765	0.7	3.7	[illegible]	[illegible]	7.9	[illegible]	[illegible]	21.6	[illegible]	[illegible]	[illegible]	[illegible]	73.9	[illegible]	[illegible]	88.0	[illegible]	[illegible]	[illegible]	97.9	[illegible]	[illegible]	[illegible]	[illegible]	99.3	99.5	99.7
A182.0	1.41760	0.6	2.9	[illegible]	[illegible]	6.2	[illegible]	[illegible]	21.2	[illegible]	[illegible]	[illegible]	[illegible]	71.7	[illegible]	[illegible]	87.2	[illegible]	[illegible]	[illegible]	97.9	[illegible]	[illegible]	[illegible]	[illegible]	99.3	99.5	99.7
A182.2	1.41755	0.5	2.5	[illegible]	[illegible]	5.1	[illegible]	[illegible]	20.5	[illegible]	[illegible]	[illegible]	[illegible]	69.9	[illegible]	[illegible]	87.7	[illegible]	[illegible]	[illegible]	97.9	[illegible]	[illegible]	[illegible]	[illegible]	99.3	99.4	99.7
A182.4	1.41749	0.4	2.5	[illegible]	[illegible]	5.1	[illegible]	[illegible]	20.0	[illegible]	[illegible]	[illegible]	[illegible]	69.5	[illegible]	[illegible]	88.4	[illegible]	[illegible]	[illegible]	97.9	[illegible]	[illegible]	[illegible]	[illegible]	99.3	99.3	99.7
A182.6	1.41744	0.3	2.5	[illegible]	[illegible]	6.0	[illegible]	[illegible]	19.6	[illegible]	[illegible]	[illegible]	[illegible]	70.4	[illegible]	[illegible]	89.3	[illegible]	[illegible]	[illegible]	97.9	[illegible]	[illegible]	[illegible]	[illegible]	99.2	99.1	99.7
A182.8	1.41739	0.2	3.0	[illegible]	[illegible]	7.3	[illegible]	[illegible]	19.2	[illegible]	[illegible]	[illegible]	[illegible]	72.4	[illegible]	[illegible]	90.3	[illegible]	[illegible]	[illegible]	97.9	[illegible]	[illegible]	[illegible]	[illegible]			
A183.0	1.41734	0.1	3.5	[illegible]	[illegible]	8.3	[illegible]	[illegible]	18.9	[illegible]	[illegible]	[illegible]	[illegible]	75.0	[illegible]	[illegible]	90.5	[illegible]	[illegible]	[illegible]	97.9	[illegible]	[illegible]	[illegible]	[illegible]	99.1	99.2	99.7
A183.2	1.41729	0.0	4.1	[illegible]	[illegible]	9.3	[illegible]	[illegible]	18.5	[illegible]	[illegible]	[illegible]	[illegible]	76.3	[illegible]	[illegible]	91.1	[illegible]	[illegible]	[illegible]	97.9	[illegible]	[illegible]	[illegible]	[illegible]	99.0	99.3	99.7
A183.4	1.41723	0.	4.5	[illegible]	[illegible]	10.1	[illegible]	[illegible]	18.4	[illegible]	[illegible]	[illegible]	[illegible]	77.5	[illegible]	[illegible]	91.4	[illegible]	[illegible]	[illegible]	97.9	[illegible]	[illegible]	[illegible]	[illegible]	99.0	99.3	99.7
A183.6	1.41718	0.	4.7	[illegible]	[illegible]	10.3	[illegible]	[illegible]	18.2	[illegible]	[illegible]	[illegible]	[illegible]	78.5	[illegible]	[illegible]	90.7	[illegible]	[illegible]	[illegible]	97.9	[illegible]	[illegible]	[illegible]	[illegible]	98.9	99.3	99.7
A183.8	1.41713	0.	4.8	[illegible]	[illegible]	10.2	[illegible]	[illegible]	17.9	[illegible]	[illegible]	[illegible]	[illegible]	78.4	[illegible]	[illegible]	89.1	[illegible]	[illegible]	[illegible]	97.9	[illegible]	[illegible]	[illegible]	[illegible]	98.8	99.3	99.7
A184.0	1.41708	0.	4.4	[illegible]	[illegible]	9.3	[illegible]	[illegible]	17.5	[illegible]	[illegible]	[illegible]	[illegible]	76.0	[illegible]	[illegible]	87.4	[illegible]	[illegible]	[illegible]	97.9	[illegible]	[illegible]	[illegible]	[illegible]	98.8	99.3	99.8
A184.2	1.41702	0.	3.9	[illegible]	[illegible]	8.2	[illegible]	[illegible]	17.0	[illegible]	[illegible]	[illegible]	[illegible]	73.2	[illegible]	[illegible]	85.9	[illegible]	[illegible]	[illegible]	97.9	[illegible]	[illegible]	[illegible]	[illegible]	98.7	99.3	99.8
A184.4	1.41697	0.	3.1	[illegible]	[illegible]	6.4	[illegible]	[illegible]	16.5	[illegible]	[illegible]	[illegible]	[illegible]	70.1	[illegible]	[illegible]	84.1	[illegible]	[illegible]	[illegible]	97.9	[illegible]	[illegible]	[illegible]	[illegible]	98.5	99.3	99.7
A184.6	1.41692	0.	2.7	[illegible]	[illegible]	5.0	[illegible]	[illegible]	16.1	[illegible]	[illegible]	[illegible]	[illegible]	67.5	[illegible]	[illegible]	82.4	[illegible]	[illegible]	[illegible]	97.9	[illegible]	[illegible]	[illegible]	[illegible]	98.5	99.2	99.7
A184.8	1.41687	0.	2.4	[illegible]	[illegible]	5.3	[illegible]	[illegible]	15.7	[illegible]	[illegible]	[illegible]	[illegible]	67.2	[illegible]	[illegible]	80.5	[illegible]	[illegible]	[illegible]	97.9	[illegible]	[illegible]	[illegible]	[illegible]	98.5	99.1	99.6
A185.0	1.41681	0.	2.4	[illegible]	[illegible]	6.6	[illegible]	[illegible]	15.3	[illegible]	[illegible]	[illegible]	[illegible]	69.3	[illegible]	[illegible]	86.4	[illegible]	[illegible]	[illegible]	96.6	[illegible]	[illegible]	[illegible]	[illegible]	98.5	98.8	99.4
A185.2	1.41676	0.	3.2	[illegible]	[illegible]	8.1	[illegible]	[illegible]	15.1	[illegible]	[illegible]	[illegible]	[illegible]	73.2	[illegible]	[illegible]	87.2	[illegible]	[illegible]	[illegible]	96.6	[illegible]	[illegible]	[illegible]	[illegible]	98.5	98.9	99.3
A185.4	1.41671	0.	4.0	[illegible]	[illegible]	9.5	[illegible]	[illegible]	14.9	[illegible]	[illegible]	[illegible]	[illegible]	77.3	[illegible]	[illegible]	87.2	[illegible]	[illegible]	[illegible]	96.6	[illegible]	[illegible]	[illegible]	[illegible]	98.5	99.0	99.3
A185.6	1.41666	0.	4.5	[illegible]	[illegible]	10.7	[illegible]	[illegible]	14.7	[illegible]	[illegible]	[illegible]	[illegible]	79.3	[illegible]	[illegible]	86.5	[illegible]	[illegible]	[illegible]	96.5	[illegible]	[illegible]	[illegible]	[illegible]	98.4	99.0	99.3
A185.8	1.41661	0.	4.7	[illegible]	[illegible]	10.9	[illegible]	[illegible]	14.4	[illegible]	[illegible]	[illegible]	[illegible]	79.4	[illegible]	[illegible]	84.8	[illegible]	[illegible]	[illegible]	96.5	[illegible]	[illegible]	[illegible]	[illegible]	98.3	99.1	99.5
A186.0	1.41655	0.	4.5	[illegible]	[illegible]	10.3	[illegible]	[illegible]	14.2	[illegible]	[illegible]	[illegible]	[illegible]	77.5	[illegible]	[illegible]	82.5	[illegible]	[illegible]	[illegible]	96.5	[illegible]	[illegible]	[illegible]	[illegible]	98.3	99.2	99.5
A186.2	1.41650	0.	3.9	[illegible]	[illegible]	8.4	[illegible]	[illegible]	14.0	[illegible]	[illegible]	[illegible]	[illegible]	73.4	[illegible]	[illegible]	80.5	[illegible]	[illegible]	[illegible]	96.5	[illegible]	[illegible]	[illegible]	[illegible]	98.3	99.3	99.7
A186.4	1.41645	0.	2.7	[illegible]	[illegible]	5.7	[illegible]	[illegible]	13.6	[illegible]	[illegible]	[illegible]	[illegible]	67.3	[illegible]	[illegible]	79.2	[illegible]	[illegible]	[illegible]	96.5	[illegible]	[illegible]	[illegible]	[illegible]	98.3	99.2	99.7
A186.6	1.41640	0.	2.0	[illegible]	[illegible]	3.5	[illegible]	[illegible]	13.2	[illegible]	[illegible]	[illegible]	[illegible]	62.7	[illegible]	[illegible]	78.9	[illegible]	[illegible]	[illegible]	96.4	[illegible]	[illegible]	[illegible]	[illegible]	98.2	99.1	99.5
A186.8	1.41634	0.	1.7	[illegible]	[illegible]	3.0	[illegible]	[illegible]	12.8	[illegible]	[illegible]	[illegible]	[illegible]	60.4	[illegible]	[illegible]	78.9	[illegible]	[illegible]	[illegible]	96.4	[illegible]	[illegible]	[illegible]	[illegible]	98.2	99.1	99.5
A187.0	1.41629	0.	1.9	[illegible]	[illegible]	3.9	[illegible]	[illegible]	12.5	[illegible]	[illegible]	[illegible]	[illegible]	60.5	[illegible]	[illegible]	81.8	[illegible]	[illegible]	[illegible]	96.3	[illegible]	[illegible]	[illegible]	[illegible]	98.1	99.0	99.5
A187.2	1.41624	0.	2.4	[illegible]	[illegible]	5.5	[illegible]	[illegible]	12.2	[illegible]	[illegible]	[illegible]	[illegible]	63.2	[illegible]	[illegible]	83.9	[illegible]	[illegible]	[illegible]	96.2	[illegible]	[illegible]	[illegible]	[illegible]	98.1	99.0	99.5
A187.4	1.41619	0.	3.1	[illegible]	[illegible]	7.5	[illegible]	[illegible]	11.9	[illegible]	[illegible]	[illegible]	[illegible]	66.9	[illegible]	[illegible]	85.5	[illegible]	[illegible]	[illegible]	96.1	[illegible]	[illegible]	[illegible]	[illegible]	98.1	98.9	99.4
A187.6	1.41614	0.	3.9	[illegible]	[illegible]	9.2	[illegible]	[illegible]	11.5	[illegible]	[illegible]	[illegible]	[illegible]	69.5	[illegible]	[illegible]	86.2	[illegible]	[illegible]	[illegible]	96.0	[illegible]	[illegible]	[illegible]	[illegible]	98.1	98.9	99.4
A187.8	1.41608	0.	4.2	[illegible]	[illegible]	10.0	[illegible]	[illegible]	11.7	[illegible]	[illegible]	[illegible]	[illegible]	70.7	[illegible]	[illegible]	86.4	[illegible]	[illegible]	[illegible]	96.0	[illegible]	[illegible]	[illegible]	[illegible]	98.1	98.9	99.4
A188.0	1.41603	0.	4.0	[illegible]	[illegible]	8.9	[illegible]	[illegible]	11.5	[illegible]	[illegible]	[illegible]	[illegible]	78.9	[illegible]	[illegible]	84.0	[illegible]	[illegible]	[illegible]	96.0	[illegible]	[illegible]	[illegible]	[illegible]	98.1	99.1	99.5
A188.2	1.41598	0.	3.5	[illegible]	[illegible]	7.3	[illegible]	[illegible]	11.3	[illegible]	[illegible]	[illegible]	[illegible]	76.5	[illegible]	[illegible]	82.4	[illegible]	[illegible]	[illegible]	96.0	[illegible]	[illegible]	[illegible]	[illegible]	98.1	99.1	99.7
A188.4	1.41593	0.	2.9	[illegible]	[illegible]	6.0	[illegible]	[illegible]	10.9	[illegible]	[illegible]	[illegible]	[illegible]	72.5	[illegible]	[illegible]	80.4	[illegible]	[illegible]	[illegible]	96.0	[illegible]	[illegible]	[illegible]	[illegible]	98.1	99.2	99.6
A188.6	1.41587	0.	2.2	[illegible]	[illegible]	4.9	[illegible]	[illegible]	10.5	[illegible]	[illegible]	[illegible]	[illegible]	66.3	[illegible]	[illegible]	79.1	[illegible]	[illegible]	[illegible]	95.9	[illegible]	[illegible]	[illegible]	[illegible]	98.1	99.1	99.4
A188.8	1.41582	0.	1.9	[illegible]	[illegible]	3.9	[illegible]	[illegible]	10.2	[illegible]	[illegible]	[illegible]	[illegible]	62.0	[illegible]	[illegible]	79.4	[illegible]	[illegible]	[illegible]	95.9	[illegible]	[illegible]	[illegible]	[illegible]	98.1	98.8	99.1
A189.0	1.41577	0.	1.6	[illegible]	[illegible]	2.7	[illegible]	[illegible]	9.9	[illegible]	[illegible]	[illegible]	[illegible]	60.1	[illegible]	[illegible]	80.5	[illegible]	[illegible]	[illegible]	95.8	[illegible]	[illegible]	[illegible]	[illegible]	98.1	98.6	98.9
A189.2	1.41572	0.	1.7	[illegible]	[illegible]	3.4	[illegible]	[illegible]	9.6	[illegible]	[illegible]	[illegible]	[illegible]	60.9	[illegible]	[illegible]	82.1	[illegible]	[illegible]	[illegible]	95.7	[illegible]	[illegible]	[illegible]	[illegible]	98.1	98.4	98.7
A189.4	1.41567	0.	1.9	[illegible]	[illegible]	5.0	[illegible]	[illegible]	9.4	[illegible]	[illegible]	[illegible]	[illegible]	64.3	[illegible]	[illegible]	83.9	[illegible]	[illegible]	[illegible]	95.6	[illegible]	[illegible]	[illegible]	[illegible]	98.1	98.4	98.7
A189.6	1.41561	0.	2.3	[illegible]	[illegible]	6.2	[illegible]	[illegible]	9.3	[illegible]	[illegible]	[illegible]	[illegible]	70.7	[illegible]	[illegible]	85.6	[illegible]	[illegible]	[illegible]	95.4	[illegible]	[illegible]	[illegible]	[illegible]	98.1	98.4	98.9
A189.8	1.41556	0.	2.4	[illegible]	[illegible]	7.0	[illegible]	[illegible]	9.1	[illegible]	[illegible]	[illegible]	[illegible]	75.9	[illegible]	[illegible]	86.0	[illegible]	[illegible]	[illegible]	95.3	[illegible]	[illegible]	[illegible]	[illegible]	98.0	98.5	99.1

Table 4-1 (cont'd)

Sam. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
P(atm)	2.55 x 10^{0}	2.03 x 10^{0}	1.64 x 10^{0}	1.30 x 10^{0}	2.00 x 10^{0}	1.00 x 10^{0}	1.00 x 10^{0}	1.46 x 10^{1}	1.00 x 10^{1}	1.00 x 10^{1}	1.00 x 10^{1}	1.00 x 10^{0}	2.30 x 10^{-1}	2.30 x 10^{-1}	1.16 x 10^{-1}	7.70 x 10^{-2}	3.70 x 10^{-2}	7.70 x 10^{-2}	3.87 x 10^{-2}	6.65 x 10^{-1}	6.65 x 10^{-1}	2.34 x 10^{-2}	2.34 x 10^{-2}	2.34 x 10^{-2}	2.17 x 10^{-1}	2.17 x 10^{-1}	2.17 x 10^{-1}
P_e(atm)	3.27 x 10^{0}	3.32 x 10^{0}	3.32 x 10^{0}	3.29 x 10^{0}	2.62 x 10^{0}	1.31 x 10^{0}	1.31 x 10^{0}	2.03 x 10^{1}	1.36 x 10^{1}	1.36 x 10^{1}	1.36 x 10^{1}	1.36 x 10^{1}	9.99 x 10^{-1}	3.00 x 10^{-1}	1.50 x 10^{-1}	1.001 x 10^{0}	3.03 x 10^{-1}	1.001 x 10^{-1}	5.03 x 10^{-2}	1.31 x 10^{1}	8.65 x 10^{-1}	3.00 x 10^{-1}	1.02 x 10^{-1}	3.04 x 10^{-2}	1.30 x 10^{1}	1.00 x 10^{0}	2.83 x 10^{-1}
u (atm cm) STP	2.17 x 10^{5}	1.30 x 10^{5}	1.07 x 10^{5}	2.60 x 10^{4}	6.71 x 10^{4}	8.62 x 10^{4}	2.19 x 10^{4}	4.73 x 10^{4}	3.16 x 10^{4}	1.59 x 10^{4}	7.93 x 10^{3}	3.99 x 10^{3}	9.94 x 10^{3}	9.94 x 10^{3}	9.94 x 10^{3}	3.32 x 10^{3}	3.32 x 10^{3}	3.32 x 10^{3}	3.32 x 10^{3}	1.01 x 10^{3}	1.01 x 10^{3}	1.01 x 10^{3}	1.01 x 10^{3}	1.01 x 10^{1}	3.30 x 10^{2}	3.30 x 10^{2}	3.30 x 10^{2}

ν (cm^{-1})	λ (micron)	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100
4190.0	1.41551	0.	2.4	15.4	39.1	7.7	12.9	37.7	9.0	17.6	44.0	57.0	81.4	78.0	83.7	92.3	90.5	93.2	94.9	94.9	95.5	97.5	97.5	98.1	98.5	98.0	98.6	99.3
4190.2	1.41546	0.	3.5	15.9	37.5	7.7	13.2	35.3	8.4	17.4	43.8	55.7	81.2	77.7	83.4	93.8	88.7	93.1	95.1	95.1	95.5	97.5	97.7	98.1	98.5	98.0	98.9	99.5
4190.4	1.41540	0.	2.4	14.4	34.0	6.5	13.2	30.7	8.7	17.0	43.2	54.4	80.8	75.1	82.8	92.5	85.7	92.0	94.9	95.0	95.5	95.5	97.5	97.6	98.2	97.9	99.0	99.5
4190.6	1.41535	0.	2.3	13.6	28.7	4.8	11.6	25.7	8.4	14.1	42.5	53.6	80.6	70.9	77.4	90.1	81.7	89.7	93.9	94.2	95.5	95.5	96.4	95.6	97.5	97.8	99.0	99.4
4190.8	1.41530	0.	1.8	9.7	23.7	3.5	9.6	19.5	8.0	17.1	40.5	53.0	79.6	64.3	75.4	88.5	79.0	85.2	91.4	93.6	95.5	94.2	95.0	95.5	96.4	97.8	99.8	99.1
4191.0	1.41525	0.	1.5	7.5	21.2	3.0	7.9	16.3	7.7	15.1	39.8	52.8	79.2	58.9	71.9	86.7	78.9	84.0	90.0	92.6	95.4	93.5	93.7	94.8	96.4	97.8	98.5	98.7
4191.2	1.41520	0.	1.4	6.9	21.2	3.2	7.5	17.2	7.4	15.7	39.5	52.6	79.0	57.2	70.2	86.5	81.2	83.8	89.4	92.3	95.3	93.5	93.3	94.9	96.3	97.7	98.2	98.5
4191.4	1.41514	0.	1.5	7.1	24.8	4.5	7.0	18.4	7.1	15.6	39.2	52.6	79.0	59.7	71.2	82.8	85.5	85.1	90.1	92.5	95.2	94.2	93.5	95.8	96.5	97.7	98.1	98.6
4191.6	1.41509	0.	1.9	10.2	31.0	5.8	9.3	24.8	6.4	15.5	39.2	52.6	79.2	66.1	75.1	85.3	90.2	85.9	91.7	93.5	95.2	95.5	94.9	97.0	97.6	97.7	98.2	98.4
4191.8	1.41504	0.	2.7	13.4	36.3	7.4	12.0	29.3	6.7	15.5	39.5	53.0	79.4	75.7	82.2	87.0	92.4	91.1	93.5	94.4	95.1	95.	96.3	98.0	98.3	97.7	98.4	98.5
4192.0	1.41499	0.	3.0	15.6	38.7	8.5	15.0	30.8	6.5	15.7	39.7	53.6	79.4	80.0	85.6	87.2	92.2	93.7	95.1	95.0	95.1	97.5	97.7	98.4	98.7	97.7	98.7	98.9
4192.2	1.41493	0.	3.1	15.4	38.1	8.5	15.2	28.6	6.5	15.8	39.9	53.5	79.2	80.1	87.5	86.2	90.5	94.6	96.0	95.5	95.0	97.5	98.2	98.4	98.8	97.7	99.0	99.2
4192.4	1.41488	0.	3.1	15.6	35.1	7.4	15.1	26.4	6.4	15.7	38.8	53.1	78.8	77.3	85.1	84.2	86.8	94.1	96.0	95.6	94.9	95.5	97.8	97.9	98.7	97.7	99.2	99.4
4192.6	1.41482	0.	2.9	14.	29.5	5.5	14.1	22.4	6.2	15.6	37.8	52.6	78.4	72.2	83.6	81.7	82.5	92.0	94.3	95.1	94.9	94.6	96.7	97.0	98.2	97.7	99.1	99.5
4192.8	1.41478	0.	2.1	11.5	24.2	3.9	12.4	21.1	6.1	14.8	36.5	51.9	77.5	65.5	79.	79.9	79.9	89.6	92.7	94.0	94.7	93.1	95.3	95.8	97.4	97.7	98.8	99.1
4193.0	1.41473	0.	1.4	8.	19.9	3.0	9.9	16.0	5.8	13.3	35.5	51.1	76.8	59.7	74.3	79.1	76.4	84.6	90.7	93.3	94.6	92.	93.6	94.9	96.3	97.6	98.4	98.5
4193.2	1.41467	0.	1.5	6.6	18.2	2.8	7.9	14.2	5.6	12.5	34.8	50.5	76.5	55.5	70.1	76.5	76.7	83.5	89.3	93.0	94.5	92.0	92.3	94.6	96.5	97.6	98.0	98.4
4193.4	1.41463	0.	1.5	6.1	20.1	3.5	6.4	16.5	5.3	12.1	34.3	50.3	75.4	55.3	70.1	71.1	80.1	82.8	89.1	93.1	94.4	93.2	92.3	93.6	96.5	97.6	97.8	98.1
4193.6	1.41457	0.	1.9	7.6	26.2	4.9	7.5	17.4	5.1	11.9	34.1	50.2	75.4	59.7	72.0	74.4	85.4	85.2	90.5	93.7	94.3	94.0	93.9	95.4	97.1	97.5	97.6	98.0
4193.8	1.41452	0.	1.9	15.6	34.1	7.2	11.0	20.0	4.9	11.8	34.1	50.7	75.4	68.8	77.4	87.9	90.5	89.2	93.5	94.7	94.3	94.1	95.4	97.0	98.0	97.5	97.9	98.2
4194.0	1.41447	0.	3.0	14.1	37.3	9.1	17.0	34.6	4.7	11.8	34.3	50.6	76.0	78.4	84.2	89.9	92.5	93.4	95.2	95.9	94.5	97.1	97.4	98.1	98.7	97.6	98.3	98.7
4194.2	1.41441	0.	3.4	15.4	37.3	10.1	21.6	33.6	4.5	12.0	34.3	50.5	76.5	82.5	88.6	90.3	92.3	95.1	96.5	95.8	94.3	97.5	98.3	98.1	99.0	97.6	98.7	99.2
4194.4	1.41436	0.	3.6	15.4	35.3	9.1	21.4	29.3	4.4	11.9	33.8	50.1	76.5	82.2	90.3	88.2	89.3	95.6	97.1	95.9	94.3	97.	98.4	98.8	99.1	97.6	99.0	99.5
4194.6	1.41431	0.	3.6	14.6	29.5	7.1	20.6	25.2	4.2	11.6	32.2	49.8	75.2	79.1	88.6	85.5	84.3	94.3	96.5	95.1	94.2	95.4	97.5	97.7	98.5	97.6	99.1	99.5
4194.8	1.41426	0.	2.6	11.6	22.4	5.2	15.6	22.5	4.0	11.4	31.4	49.4	74.4	71.8	84.0	82.4	79.1	91.8	94.5	94.9	94.2	94.6	95.7	95.1	97.5	97.6	98.6	99.3
4195.0	1.41421	0.	1.4	5.4	18.6	3.1	11.2	14.3	3.9	9.6	30.2	48.6	73.6	61.4	74.6	78.9	74.5	89.1	91.3	93.6	94.0	93.4	93.5	94.9	97.1	97.5	98.2	98.5
4195.2	1.41415	0.	1.2	4.2	15.2	1.9	7.6	12.1	3.5	8.4	28.2	48.1	72.8	55.3	72.	78.4	73.1	83.8	89.7	92.6	93.3	91.	91.9	94.3	96.4	97.5	97.6	98.0
4195.4	1.41411	0.	1.3	4.	15.1	1.8	5.6	14.1	3.4	7.4	28.1	47.8	72.5	52.5	69.	74.1	74.1	82.0	88.9	92.6	93.5	91.	91.5	94.1	96.4	97.5	97.2	97.5
4195.6	1.41405	0.	0.7	4.0	18.9	2.4	5.6	12.3	3.2	8.2	27.7	47.6	72.3	53.9	69.0	71.6	78.5	82.4	89.4	92.9	93.2	92.	92.3	93.6	97.3	97.5	97.4	97.7
4195.8	1.41400	0.	0.8	5.4	25.2	3.5	7.1	15.1	3.1	8.2	27.6	47.6	72.3	59.5	72.	74.1	84.7	85.3	90.9	93.9	93.2	94.1	93.8	97.2	97.2	97.5	97.4	97.7
4196.0	1.41394	0.	0.8	3.4	29.5	5.3	10.4	18.3	3.0	8.1	27.7	47.5	72.4	68.4	77.4	76.9	89.3	89.6	93.0	95.4	93.2	96.1	96.2	98.2	98.5	97.4	97.7	98.4
4196.2	1.41389	0.	1.0	11.1	30.7	5.9	14.6	19.7	2.8	8.1	27.7	47.6	72.4	77.1	84.1	80.3	91.4	93.2	95.2	95.0	93.2	96.0	98.1	98.6	99.1	97.4	98.2	98.7
4196.4	1.41384	0.	1.3	10.4	29.2	6.1	15.	20.1	2.7	7.9	27.3	47.5	72.0	79.9	87.8	86.1	90.3	94.6	96.4	95.2	93.1	96.4	98.5	98.4	99.3	97.3	98.6	99.3
4196.6	1.41379	0.	1.5	10.6	28.6	5.2	15.	20.1	2.6	7.6	26.3	46.2	71.2	78.5	88.4	86.0	86.6	94.8	96.5	95.0	92.9	95.	97.5	97.4	98.5	97.3	98.6	99.3
4196.8	1.41374	0.	1.6	9.6	20.7	4.1	14.	21.3	2.4	7.1	25.1	45.9	70.6	73.0	85.6	83.5	81.0	94.5	94.9	94.8	92.7	92.	95.6	95.0	98.3	97.2	98.4	99.2
4197.	1.41368	0.	1.6	5.4	24.5	3.0	11.7	23.3	2.3	5.6	23.9	41.8	67.8	65.0	82.	80.3	75.4	88.7	92.2	93.9	92.3	90.	93.5	94.7	97.3	97.1	97.6	98.5
4197.2	1.41363	0.	0.9	4.	22.8	2.1	7.	20.4	2.2	5.9	22.7	41.4	66.6	56.9	77.3	79.2	71.4	83.8	89.7	94.1	92.	90.	91.2	93.6	96.7	97.0	97.1	97.8
4197.4	1.41358	0.	0.6	3.	12.2	1.3	5.0	20.4	2.1	5.5	21.7	40.5	66.1	51.0	70.9	78.3	70.1	80.6	88.0	92.7	91.5	89.	90.3	91.	96.	96.9	96.9	97.3
4197.6	1.41353	0.	0.7	3.	10.1	1.5	5.4	19.1	2.0	5.3	21.5	40.2	67.5	50.5	67.	78.2	74.2	80.4	88.0	92.6	91.4	91.	90.8	93.2	96.5	96.9	96.4	97.0
4197.8	1.41348	0.	0.6	4.	20.5	2.5	8.0	18.5	1.9	5.2	21.5	40.0	67.7	55.8	69.	82.3	79.8	82.9	89.5	94.0	91.5	89.	92.9	93.2	97.5	96.9	96.6	97.3
4198.0	1.41342	0.	0.6	5.	23.8	3.1	10.1	23.3	1.7	5.1	21.5	40.6	67.7	65.1	75.	86.3	85.9	87.4	92.3	93.1	91.4	89.	95.9	93.4	96.5	96.9	97.3	97.8
4198.2	1.41337	0.	0.7	5.	24.2	3.2	11.7	23.4	1.5	4.9	21.3	40.5	67.5	73.8	82.	87.4	89.9	91.7	94.9	95.1	91.4	89.	97.5	93.5	97.1	96.9	97.4	98.5
4198.4	1.41332	0.	0.7	7.	22.5	3.1	11.4	19.4	1.5	4.8	21.0	40.8	67.0	77.5	88.	87.2	89.4	93.8	96.5	95.2	91.3	89.	98.0	93.8	97.1	96.9	97.3	99.0
4198.6	1.41327	0.	0.7	5.	18.7	2.9	11.1	18.2	1.5	4.7	20.6	40.6	66.4	77.1	87.	84.	85.3	94.7	96.2	95.4	91.1	89.	97.4	97.0	98.7	96.9	98.0	99.2
4198.8	1.41322	0.	0.6	5.	14.5	2.3	7.	14.2	1.4	4.5	19.5	40.5	65.4	70.9	85.	80.	78.2	92.4	94.3	93.9	90.4	89.	94.5	95.2	97.7	96.8	98.0	99.1
4199.	1.41316	0.	0.5	3.	10.2	1.6	5.	17.7	1.4	4.6	17.3	40.1	64.4	62.9	79.	76.7	72.5	89.1	91.5	92.3	90.5	89.	92.1	93.2	96.6	96.8	97.6	98.5
4199.2	1.41311	0.	0.5	3.	9.0	1.1	5.	16.9	1.3	4.	16.9	40.	63.	54.2	72.	74.3	68.3	82.8	88.5	91.3	90.2	87.	89.9	92.0	95.7	96.7	96.4	97.2
4199.4	1.41306	0.	0.5	3.	7.9	0.9	3.	14.5	1.3	3.9	16.2	39.	62.	46.7	65.	74.4	66.1	73.6	85.9	90.6	89.9	87.	88.8	92.4	95.3	96.7	96.5	96.8
4199.6	1.41301	0.	0.5	3.	9.5	0.8	3.	15.3	1.3	3.8	15.7	39.	61.	43.3	61.	76.	67.3	77.2	85.0	90.9	89.7	88.	89.0	93.4	95.6	96.7	96.3	96.8
4199.8	1.41296	0.	0.5	3.	12.4	0.9	3.	17.6	1.3	3.8	15.2	39.	61.	45.9	62.	79.	73.2	78.3	86.9	92.4	89.5	89.	90.8	95.1	97.1	96.7	96.5	96.8
4200.	1.41290	0.	0.5	3.	15.	1.0	4.	21.	1.3	3.8	15.2	39.	61.	53.5	67.	82.	81.4	91.9	89.2	94.3	89.5	90.	94.0	97.3	98.	96.5	95.1	97.0
4200.2	1.41285	0.	0.1	3.	15.9	1.1	5.2	42.7	0.9	3.8	15.2	39.	61.	62.8	74.	83.	85.7	95.2	92.5	93.9	89.4	90.	96.2	97.4	98.	96.6	95.6	97.4
4200.4	1.41280	0.	0.1	3.	15.	1.1	5.4	40.3	0.9	3.7	14.7	38.	61.	69.1	80.	85.	86.5	91.5	94.3	94.2	89.4	90.	97.1	97.6	98.	96.4	97.5	98.4
4200.6	1.41275	0.	0.1	3.	12.1	1.1	4.	34.8	0.8	3.7	14.1	38.	60.	69.7	82.	87.	84.1	92.1	94.8	94.1	89.2	90.	96.8	97.6	98.	96.3	97.7	98.5
4200.8	1.41270	0.	0.0	3.	9.1	0.9	3.	26.8	0.8	3.6	13.4	38.	59.	65.8	80.	89.	77.5	90.9	93.7	93.2	88.8	90.	94.5	94.5	97.8	96.1	97.6	98.5
4201.	1.41264	0.	0.	3.	5.1	0.8	3.	21.	0.8	3.	12.5	36.	58.	58.2	77.	86.	72.5	86.7	91.2	91.6	88.4	89.	91.6	92.6	95.5	95.9	95.6	98.3
4201.2	1.41259	0.	0.	3.	5.	0.8	3.	19.	0.7	3.	11.8	35.	57.	49.5	70.	83.	66.0	81.5	88.2	91.2	88.1	89.	88.7	91.8	94.2	95.8	95.4	97.2
4201.4	1.41254	0.	0.	3.	5.	0.8	3.	19.	0.7	3.	11.	34.	56.	43.4	65.	81.	63.2	77.8	85.7	90.6	87.3	89.	87.2	91.4	94.4	96.7	94.8	96.1
4201.6	1.41249	0.	0.	3.	6.4	0.7	3.	20.	0.7	3.	10.9	34.	55.	40.3	63.	79.	64.2	75.1	84.4	90.0	87.5	89.	87.3	90.7	93.9	95.5	94.7	95.9
4201.8	1.41244	0.	0.	3.	8.2	0.8	3.	22.	0.6	3.	10.	33.	55.	40.4	63.	79.	68.7	75.6	84.4	90.5	87.4	89.	89.3	90.7	93.5	95.5	93.4	95.7
4202.	1.41238	0.	0.	3.	9.7	0.8	3.	25.	0.6	3.	10.	33.	55.	45.1	63.	78.	77.3	80.1	86.5	92.0	87.8	89.	91.9	93.6	97.1	96.4	95.8	97.2
4202.2	1.41233	0.	0.	3.	10.8	0.8	3.	25.	0.6	3.	10.	33.	55.	54.2	69.	80.	82.7	85.3	90.2	93.9	87.	89.	95.1	97.	98.	96.4	95.9	98.1
4202.4	1.41228	0.	0.	3.	9.4	0.9	3.	23.	0.6	3.	10.	33.	55.	61.4	74.	82.	83.5	89.3	93.1	94.5	87.	89.	96.2	97.	98.	96.1	97.2	98.5
4202.6	1.41223	0.	0.	3.	7.8	1.2	3.	20.	0.6	3.	9.	32.	54.	64.7	79.	84.	80.5	90.7	93.9	94.3	88.	89.	93.2	95.	97.	94.9	95.8	97.8
4202.8	1.41218	0.	0.	3.	9.5	1.1	3.	20.	0.5	3.	9.	32.	54.	61.7	77.	84.	74.8	88.8	92.7	94.	88.	89.	93.2	93.	96.	94.9	95.6	97.6

Table 4-1 (cont'd)

Sam. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
p(atm)	$\times 10^{0}$	$\times 10^{0}$	$\times 10^{0}$	2.50×10^{0}	2.00×10^{0}	1.00×10^{0}	1.00×10^{0}	3.46×10^{-1}	1.00×10^{-1}	1.00×10^{-1}	1.00×10^{-1}	1.00×10^{0}	2.30×10^{-1}	2.30×10^{-1}	1.16×10^{-1}	7.70×10^{-2}	7.70×10^{-2}	7.70×10^{-2}	3.87×10^{-2}	6.65×10^{-1}	6.65×10^{-1}	2.34×10^{-2}	2.34×10^{-2}	2.34×10^{-2}	2.17×10^{-1}	2.17×10^{-1}	2.17×10^{-1}
P_e(atm)	$\times 10^{0}$	$\times 10^{0}$	$\times 10^{0}$	3.29×10^{0}	2.62×10^{0}	1.31×10^{0}	1.31×10^{0}	2.03×10^{1}	1.36×10^{1}	1.36×10^{1}	1.36×10^{1}	1.36×10^{1}	9.99×10^{-1}	3.00×10^{-1}	1.50×10^{-1}	$1.001_0 \times 10^{0}$	3.03×10^{-1}	$1.001_1 \times 10^{-1}$	5.03×10^{-2}	1.31×10^{1}	8.65×10^{-1}	3.00×10^{-1}	1.02×10^{-1}	3.04×10^{-2}	1.30×10^{1}	1.00×10^{0}	2.83×10^{-1}
u (atm cm) STP	3.17×10^{5}	1.19×10^{5}	5.57×10^{4}	2.80×10^{4}	1.71×10^{4}	8.62×10^{4}	2.19×10^{4}	4.73×10^{4}	3.16×10^{4}	1.59×10^{4}	7.93×10^{3}	3.99×10^{3}	9.94×10^{3}	9.94×10^{3}	9.94×10^{3}	3.32×10^{3}	3.32×10^{3}	3.32×10^{3}	$3.32_3 \times 10^{3}$	$1.01_3 \times 10^{3}$	$1.01_3 \times 10^{3}$	$1.01_3 \times 10^{3}$	$1.01_3 \times 10^{3}$	$1.01_3 \times 10^{3}$	$3.30_2 \times 10^{2}$	$3.30_2 \times 10^{2}$	$3.30_2 \times 10^{2}$

ν (cm^{-1})	λ (micron)	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100
4217.5	1.60798	0.	0.	0.	1.3	0.	0.	15.1	0.	0.	2.1	19.0	39.8	45.3	55.1	68.7	66.0	82.1	88.3	89.8	79.2	87.4	93.5	95.4	97.2	92.7	94.6	96.3
4211.2	1.60792	0.	0.	0.	1.3	0.	0.	13.0	0.	0.	2.2	19.3	39.3	41.3	51.8	66.7	59.8	77.0	85.1	90.0	79.4	85.7	92.5	93.6	96.3	92.4	94.8	96.1
4204.4	1.60787	0.	0.	0.	1.2	0.	0.	10.5	0.	0.	2.2	19.6	39.5	35.0	45.3	65.8	54.5	72.1	81.9	89.2	79.5	83.6	88.9	91.1	95.0	92.9	93.3	94.7
4197.6	1.60782	0.	0.	0.	1.1	0.	0.	9.0	0.	0.	2.3	19.9	39.8	29.3	41.2	66.5	53.2	69.3	80.4	87.9	79.8	80.3	85.1	89.4	94.8	93.8	93.3	94.7
4191.0	1.60777	0.	0.	0.	1.1	0.	0.	10.2	0.	0.	2.4	19.6	40.2	28.5	38.8	69.5	57.0	69.9	82.1	87.1	80.1	80.0	83.1	87.3	93.2	93.0	92.4	93.7
4184.3	1.60772	0.	0.	0.	1.4	0.	0.	13.3	0.	0.	2.3	19.6	40.7	33.7	35.2	71.9	65.7	75.0	85.5	87.3	80.4	81.3	83.5	88.9	96.2	93.2	92.1	93.4
4178.0	1.60767	0.	0.	0.	1.5	0.	0.	16.7	0.	0.	2.5	19.1	41.2	41.5	43.5	72.7	72.4	81.3	89.2	88.6	80.7	83.9	86.3	90.0	95.4	93.3	92.6	93.7
4171.6	1.60761	0.	0.	0.	1.5	0.	0.	18.6	0.	0.	2.3	17.6	41.7	48.2	49.1	71.3	74.0	85.5	91.2	89.9	81.9	86.7	91.3	93.8	96.4	93.5	93.6	94.5
4165.3	1.60756	0.	0.	0.	1.3	0.	0.	18.2	0.	0.	3.0	15.1	42.3	49.3	52.6	69.4	69.6	84.2	89.9	90.2	81.4	88.3	93.9	95.7	97.5	93.7	94.5	95.7
4159.0	1.60751	0.	0.	0.	1.2	0.	0.	15.5	0.	0.	3.1	14.7	42.9	43.8	53.2	66.8	62.6	79.7	86.3	90.3	81.8	87.7	92.8	94.1	96.6	93.3	95.2	96.4
4152.	1.60744	0.	0.	0.	1.7	0.	0.	12.3	0.	0.	3.3	14.2	43.6	37.4	55.5	65.4	57.2	74.2	83.3	89.5	82.1	85.5	88.9	91.9	95.1	93.9	94.9	96.4
4145.7	1.60741	0.	0.	0.	1.7	0.	0.	10.4	0.	0.	3.5	13.6	44.1	32.7	52.1	66.5	55.5	70.9	81.5	84.0	82.5	83.2	85.3	88.2	94.5	94.0	94.3	95.5
4139.4	1.60734	0.	0.	0.	1.7	0.	0.	10.3	0.	0.	3.8	13.0	44.7	30.9	51.4	69.5	58.3	70.6	81.5	87.5	82.9	82.0	84.3	89.4	95.7	94.1	93.6	94.5
4133.1	1.60730	0.	0.	0.	1.9	0.	0.	14.7	0.	0.	4.2	12.5	45.3	33.0	55.5	72.9	65.7	73.7	84.1	87.8	83.1	82.5	84.7	91.2	94.4	94.2	93.1	93.9
4126.8	1.60725	0.	0.	0.	2.6	0.	0.3	19.0	0.	0.	4.5	21.3	45.2	39.3	57.4	74.9	73.2	80.1	87.7	89.1	83.4	84.8	88.0	94.2	96.3	94.3	93.2	94.1
4120.5	1.60720	0.	0.	0.	3.7	0.	0.7	21.9	0.	0.	4.5	22.4	47.1	49.1	73.5	75.3	76.4	85.7	90.9	90.3	83.7	87.6	91.5	95.5	97.6	94.4	94.0	94.5
4114.2	1.60715	0.	0.	0.	3.2	0.	1.1	22.5	0.	0.	4.9	23.5	48.0	53.3	72.8	74.5	74.8	85.3	92.4	91.1	84.1	87.1	94.5	95.7	98.2	94.5	94.9	95.7
4107.9	1.60710	0.	0.	0.	3.3	0.	1.2	20.4	0.	0.	5.3	24.7	49.6	51.6	73.0	73.3	69.9	83.3	90.3	92.1	84.5	87.1	94.0	95.1	97.8	94.5	95.7	96.6
4101.6	1.60705	0.	0.	0.	3.0	0.	0.9	17.3	0.	0.	5.7	24.5	49.3	46.0	68.6	71.3	64.2	79.2	87.5	91.8	84.9	87.6	91.1	93.3	96.3	94.7	95.4	96.2
4095.3	1.60699	0.	0.	0.1	2.4	0.	0.7	15.5	0.	0.	6.3	25.2	49.4	39.9	59.4	71.2	61.0	75.7	85.3	90.8	85.3	85.7	88.5	91.4	95.4	94.4	95.4	96.2
4089.	1.60694	0.	0.	0.	2.8	0.	0.8	15.8	0.	0.1	6.5	24.7	50.4	37.3	57.5	73.7	61.9	74.2	84.5	90.0	85.7	85.2	86.3	91.9	94.7	94.9	94.8	95.8
4082.8	1.60689	0.	0.	0.4	3.6	0.	0.7	18.0	0.	0.2	7.1	24.4	51.3	39.3	59.2	76.7	66.3	76.4	85.5	89.9	86.1	85.6	86.5	91.7	94.4	95.1	94.4	95.3
4076.5	1.60684	0.	0.	0.5	4.4	0.	0.9	22.2	0.	0.3	7.5	24.6	52.0	45.5	55.4	79.5	73.2	81.2	88.3	90.4	86.4	87.4	88.7	92.6	95.7	95.2	94.4	95.4
4070.2	1.60679	0.	0.	0.5	5.9	0.	1.2	27.9	0.	0.4	8.2	25.7	53.9	54.3	72.5	81.9	80.1	85.6	91.2	91.9	86.3	89.6	91.5	93.9	97.2	95.3	94.8	95.8
4063.9	1.60674	0.	0.	0.5	6.5	0.	1.4	29.7	0.	0.6	9.1	24.4	55.1	60.7	78.2	84.1	79.3	83.9	93.5	95.0	87.5	91.3	94.3	97.2	98.3	95.5	95.7	96.4
4057.6	1.60669	0.	0.	0.5	6.5	0.	1.5	29.1	0.	0.7	9.8	25.1	56.3	59.0	77.0	87.1	74.9	87.3	93.5	95.1	87.7	91.5	95.3	95.6	98.1	95.6	95.3	97.1
4051.3	1.60663	0.	0.	0.5	6.1	0.	1.5	24.4	0.	0.9	10.5	25.4	57.3	54.5	72.8	85.5	70.5	83.3	91.3	92.8	88.2	91.6	93.4	95.5	97.8	95.7	94.7	97.1
4045.0	1.60658	0.	0.	0.5	5.7	0.	1.8	20.6	0.0	1.1	11.1	25.7	58.2	49.2	66.5	84.7	67.9	79.7	88.5	92.1	88.7	92.4	91.1	93.8	95.9	95.4	94.7	97.1
4038.6	1.60653	0.	0.	0.5	5.8	0.	1.8	20.9	0.1	1.3	11.8	25.1	59.1	44.5	62.7	85.3	68.3	77.5	86.1	91.2	89.3	93.7	89.1	92.5	94.4	96.0	95.4	97.0
4032.3	1.60648	0.	0.	1.1	7.2	0.1	1.8	23.5	0.1	1.6	12.7	25.3	60.1	43.3	61.9	87.9	73.3	77.9	85.8	90.8	89.8	89.8	88.4	92.8	94.4	96.1	95.1	96.3
4026.0	1.60643	0.	0.	1.5	9.7	0.1	2.2	29.4	0.1	1.8	13.5	27.7	61.2	47.3	62.3	90.9	79.6	81.0	87.7	91.4	90.2	90.6	90.2	94.5	95.6	96.3	95.1	96.3
4019.7	1.60637	0.	0.	2.2	12.4	0.1	3.3	37.4	0.3	2.1	14.5	29.1	62.5	57.7	74.4	92.7	84.5	87.2	90.9	92.5	90.5	92.4	93.1	96.5	97.2	96.5	95.4	96.7
4013.4	1.60632	0.	0.	2.7	14.8	0.3	5.0	42.0	0.3	2.5	15.7	31.6	63.4	66.5	80.4	93.1	86.0	91.4	93.9	93.6	90.9	93.8	95.4	97.6	98.4	96.7	97.0	97.3
4007.1	1.60627	0.	0.0	3.0	15.6	0.4	5.9	39.5	0.3	2.6	17.1	32.0	64.6	68.8	82.6	94.2	84.0	91.2	95.1	94.0	91.3	94.4	96.5	97.6	98.7	96.9	97.7	97.7
4000.8	1.60622	0.	0.1	3.1	15.4	0.5	5.5	36.2	0.4	3.0	18.5	33.0	65.0	65.1	79.6	90.5	80.7	93.3	94.1	94.1	91.7	94.4	95.7	95.4	98.3	96.9	98.1	98.4
3994.5	1.60617	0.	0.2	3.6	15.1	0.8	5.2	33.4	0.5	3.6	19.3	33.9	65.9	60.4	74.6	89.0	78.9	85.3	92.1	93.8	92.1	93.8	94.4	95.2	97.2	97.1	98.2	98.4
3988.2	1.60612	0.	0.3	3.4	15.4	1.0	5.7	33.2	0.5	4.2	21.0	34.2	67.4	56.9	73.4	89.1	79.1	83.5	90.2	93.5	92.5	93.5	93.1	94.5	96.9	97.2	98.2	98.3
3981.9	1.60606	0.	0.5	3.	17.8	1.2	5.2	39.4	0.5	4.4	22.2	34.4	68.9	57.2	69.5	91.4	82.2	83.6	89.7	93.3	92.8	93.8	92.9	94.9	96.5	97.3	98.1	98.2
3975.6	1.60601	0.	1.1	3.6	21.9	1.5	5.6	53.3	0.6	5.5	23.4	34.7	69.9	62.0	71.3	94.5	87.2	85.9	89.8	93.4	93.2	94.6	93.5	95.6	96.1	97.5	98.0	98.1
3969.3	1.60596	0.	1.7	11.2	31.0	3.6	10.7	63.5	0.6	5.9	24.5	42.4	70.5	70.5	75.4	93.7	91.4	90.6	91.3	94.0	93.5	95.1	94.4	97.5	97.5	97.6	98.2	98.3
3963.0	1.60591	0.	2.4	14.5	36.9	6.5	15.1	69.3	0.7	5.8	25.5	51.1	71.3	81.2	87.8	92.4	94.2	94.9	94.5	95.4	93.8	97.4	96.8	98.4	98.2	97.7	98.5	98.5
3956.7	1.60585	0.	3.4	17.1	41.7	9.4	20.5	71.4	0.8	7.2	26.3	52.2	72.0	86.2	92.2	93.4	95.4	95.8	97.5	95.7	94.1	98.2	98.1	99.1	99.2	97.8	99.0	99.0
3950.4	1.60580	0.	3.3	19.0	41.7	11.4	23.5	70.5	0.8	7.6	27.4	52.6	72.4	88.1	93.4	94.5	95.5	97.5	98.3	97.8	94.2	98.4	98.3	99.2	99.5	97.9	99.1	99.2
3944.1	1.60575	0.	3.3	19.4	41.6	12.1	27.4	69.2	0.9	7.4	28.1	54.0	72.4	87.0	94.0	94.1	94.4	97.5	98.5	98.3	94.3	98.7	98.7	99.3	99.5	97.9	99.3	99.5
3937.8	1.60570	0.	3.5	17.5	39.6	11.2	27.4	59.7	1.0	8.1	28.4	54.4	73.3	82.6	93.5	95.5	92.1	95.3	97.9	97.8	94.3	98.5	98.7	99.1	99.5	97.9	99.3	99.7
3931.5	1.60565	0.	2.8	14.9	35.2	9.4	24.7	53.5	1.1	8.2	28.6	53.2	73.2	76.5	89.2	96.2	89.2	93.2	96.3	97.3	94.3	97.7	98.5	98.2	99.3	97.9	99.2	99.6
3925.2	1.60560	0.	2.1	12.5	31.3	7.3	20.6	47.2	1.2	8.2	28.6	53.7	73.1	70.7	83.5	94.5	87.3	90.6	94.3	95.4	94.3	97.0	97.2	97.8	98.8	97.9	99.2	99.6
3918.9	1.60555	0.	1.5	10.1	27.6	5.4	15.7	42.5	1.2	8.2	28.2	52.5	73.0	67.5	79.2	94.0	86.1	88.9	92.7	93.4	94.4	95.6	96.1	95.3	97.4	97.9	99.3	99.6
3912.6	1.60550	0.	1.1	8.	25.3	3.4	11.4	43.3	1.2	8.8	27.5	51.3	72.1	67.3	75.1	94.1	86.5	88.5	92.0	93.4	94.3	95.5	95.3	95.2	97.6	97.9	99.2	99.7
3906.3	1.60545	0.	0.9	6.4	24.3	2.7	9.5	46.3	1.2	7.6	26.4	50.3	71.3	70.3	74.5	96.1	88.6	89.6	92.5	94.6	94.2	95.4	95.4	95.4	97.5	97.9	99.2	99.7
3900.	1.60539	0.	0.8	5.	24.0	2.5	8.5	48.4	1.2	7.5	25.3	47.7	70.5	74.4	77.5	98.0	89.5	91.8	94.1	94.9	94.0	95.4	96.2	97.0	98.2	97.8	99.2	99.8
3893.7	1.60534	0.	0.7	4.5	22.9	2.5	8.7	48.5	1.2	5.5	23.9	47.1	69.3	79.4	82.6	98.6	87.7	93.5	95.7	95.3	93.7	95.9	97.2	97.3	98.7	97.8	99.2	99.8
3887.4	1.60529	0.	0.6	5.1	21.1	2.5	9.8	44.3	1.1	5.7	22.5	46.0	68.0	83.8	85.4	98.5	83.2	91.9	96.2	95.6	93.1	94.9	97.1	97.5	98.6	97.7	99.2	99.8
3881.1	1.60524	0.	0.5	5.	19.8	2.2	9.7	35.7	1.1	5.2	21.2	43.4	65.9	86.4	87.	98.1	77.5	89.1	93.4	94.7	92.5	93.6	95.5	95.9	98.0	97.6	99.2	99.8
3874.8	1.60519	0.	0.4	4.	18.5	1.7	9.3	29.7	1.0	4.8	19.7	40.8	63.4	86.7	87.3	98.0	73.0	88.4	91.2	94.1	92.0	92.6	93.5	94.4	97.8	97.6	99.2	99.8
3868.5	1.60514	0.	0.7	5.1	21.4	1.2	5.1	26.5	1.0	4.0	18.1	41.0	64.7	49.0	62.5	84.2	71.9	80.2	89.8	93.5	91.4	91.1	91.4	93.2	96.1	97.4	97.5	97.
3862.2	1.60509	0.	0.9	5.1	20.1	0.8	4.6	25.4	0.9	3.5	16.5	39.0	62.5	54.3	67.2	84.7	75.7	81.9	90.7	93.6	90.9	90.6	90.3	92.4	95.7	97.2	97.3	97.6
3855.9	1.60504	0.	0.9	5.1	20.1	0.7	3.3	27.2	0.8	3.2	15.2	37.5	61.2	59.1	69.6	80.4	79.1	84.3	89.4	92.7	90.3	91.3	91.7	93.2	96.0	97.0	97.1	97.6
3849.6	1.60499	0.	0.7	5.1	20.3	0.6	3.5	30.3	0.8	2.8	13.4	36.7	59.8	60.2	70.3	80.6	80.6	87.6	91.9	93.5	89.7	91.8	93.5	93.9	96.4	97.0	97.2	97.4
3843.3	1.60493	0.	0.8	5.1	20.4	0.4	3.4	30.4	0.7	2.4	12.5	34.0	58.4	56.5	70.4	79.4	79.1	83.7	89.3	93.9	89.1	91.8	95.0	95.6	98.4	96.6	97.1	97.4
3837.0	1.60488	0.	0.	0.	7.0	0.2	2.0	27.5	0.7	2.1	11.3	32.4	57.0	49.4	75.6	88.1	73.1	87.2	93.4	95.5	88.5	90.6	94.6	95.4	98.4	96.4	97.1	97.5
3830.7	1.60483	0.	0.	0.	6.8	0.2	2.0	22.1	0.7	1.8	10.5	31.4	55.7	42.7	73.7	85.5	66.4	81.9	92.6	94.8	88.0	88.6	92.3	94.1	97.1	96.1	96.1	97.2
3824.4	1.60478	0.	0.	0.	5.6	0.1	2.0	24.2	0.6	1.6	9.5	29.6	54.5	39.2	69.2	83.5	63.6	78.6	91.2	94.1	87.4	87.0	89.8	93.	96.1	95.4	95.6	96.6
3818.	1.60472	0.	0.	0.	5.0	0.1	2.1	25.5	0.5	1.3	8.7	29.2	52.9	40.3	69.3	83.4	64.5	76.6	90.4	93.	86.3	86.4	87.4	90.3	95.5	95.3	95.4	96.5
3811.7	1.60467	0.	0.	0.	4.7	0.	1.8	20.3	0.5	1.1	8.3	28.5	51.5	45.5	68.3	83.4	68.3	76.1	88.4	92.3	86.2	85.7	87.4	89.1	94.3	94.9	95.2	96.5

[illegible]	1.60466	0.	[illegible]	[illegible]	[illegible]	0.	1.7	16.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	50.4	[illegible]	[illegible]	73.0	[illegible]	[illegible]	[illegible]	85.5	87.7	89.6	[illegible]	[illegible]	94.2	95.1	95.7
[illegible]	1.60457	0.	[illegible]	[illegible]	[illegible]	0.	2.4	20.2	[illegible]	[illegible]	6.6	[illegible]	41.7	50.2	[illegible]	[illegible]	74.5	[illegible]	[illegible]	[illegible]	85.0	87.2	91.3	[illegible]	[illegible]	94.5	95.5	96.1
[illegible]	1.60452	0.	[illegible]	[illegible]	[illegible]	0.	2.9	21.9	0.4	3.9	6.3	[illegible]	47.3	44.5	[illegible]	6.5	71.0	44.5	91.2	[illegible]	84.4	87.3	93.1	[illegible]	[illegible]	94.5	95.5	96.2
[illegible]	1.60447	0.	[illegible]	[illegible]	[illegible]	0.	3.9	17.3	0.4	4.6	5.4	[illegible]	46.1	38.2	[illegible]	[illegible]	44.7	93.3	89.7	92.1	83.9	85.7	92.0	94.4	96.2	94.3	95.3	96.2
[illegible]	1.60442	0.	[illegible]	[illegible]	2.7	0.	3.9	13.3	0.4	5.1	[illegible]	[illegible]	44.8	33.4	44.4	[illegible]	59.6	79.7	86.2	91.9	83.3	83.9	89.5	93.4	96.3	94.1	94.6	95.8
[illegible]	1.60434	0.	[illegible]	[illegible]	1.9	0.	3.7	11.2	0.3	3.6	4.5	[illegible]	43.5	32.9	53.5	[illegible]	57.3	75.4	83.8	89.9	82.7	82.8	86.8	91.9	95.1	93.9	93.9	95.3
[illegible]	1.60431	0.	[illegible]	[illegible]	1.8	0.	3.5	10.7	0.3	3.6	4.1	[illegible]	42.9	36.3	54.6	[illegible]	60.0	72.0	83.3	[illegible]	82.1	83.5	86.5	91.9	94.5	93.7	93.4	94.6
[illegible]	1.60424	0.	[illegible]	[illegible]	1.2	0.	3.3	11.5	0.3	3.5	3.7	[illegible]	41.7	41.3	55.4	[illegible]	65.2	73.9	84.7	89.4	81.5	84.5	86.5	91.9	95.2	93.5	93.5	94.8
[illegible]	1.60421	0.	[illegible]	[illegible]	1.2	0.	3.2	13.2	0.2	3.5	3.5	[illegible]	40.7	42.5	51.4	[illegible]	68.5	77.2	87.7	[illegible]	80.9	85.2	88.5	92.4	96.4	93.2	93.7	94.9
[illegible]	1.60414	0.	[illegible]	[illegible]	1.2	0.	3.0	13.7	0.2	3.5	3.2	[illegible]	39.7	40.4	55.3	[illegible]	67.8	80.5	90.1	[illegible]	80.5	84.9	91.0	95.2	97.1	93.1	94.0	95.1
[illegible]	1.60411	0.	[illegible]	[illegible]	1.2	0.	3.	12.4	0.1	3.4	2.9	[illegible]	38.7	35.6	55.4	[illegible]	63.0	81.9	89.1	[illegible]	80.0	83.5	91.7	94.1	97.1	92.8	93.9	95.4
[illegible]	1.60404	0.	[illegible]	[illegible]	1.1	0.	3.	10.3	0.1	3.4	2.7	[illegible]	37.7	29.8	53.5	[illegible]	56.0	79.6	86.5	[illegible]	79.4	81.1	89.2	92.1	95.1	92.5	93.3	95.1
[illegible]	1.60400	0.	[illegible]	[illegible]	1.1	0.	3.	8.5	0.1	3.3	2.5	[illegible]	36.8	28.5	52.2	[illegible]	53.3	73.6	83.7	[illegible]	78.9	80.1	86.1	90.4	94.1	92.4	92.5	94.2
[illegible]	1.60395	0.	[illegible]	[illegible]	0.9	0.	3.	7.9	0.0	3.2	2.3	[illegible]	35.9	31.1	53.1	[illegible]	55.5	70.4	82.1	[illegible]	78.3	80.7	84.0	89.4	94.1	92.2	92.2	93.5
[illegible]	1.60390	0.	[illegible]	[illegible]	0.7	0.	3.	8.4	0.0	3.1	2.1	[illegible]	35.0	34.9	53.7	[illegible]	60.0	70.4	83.0	[illegible]	77.9	81.8	84.2	90.6	94.3	92.0	92.2	93.9
[illegible]	1.60385	0.	[illegible]	[illegible]	0.7	0.	3.	9.5	0.	3.	1.9	[illegible]	34.2	37.5	54.3	[illegible]	64.3	73.8	86.2	[illegible]	77.2	82.7	86.5	[illegible]	[illegible]	91.9	92.6	93.8
[illegible]	1.60380	0.	[illegible]	[illegible]	0.7	0.	3.	10.2	0.	3.	1.8	[illegible]	33.4	36.3	51.5	[illegible]	65.3	79.4	85.4	[illegible]	76.7	82.8	89.4	[illegible]	[illegible]	91.5	93.0	94.4
[illegible]	1.60375	0.	[illegible]	[illegible]	0.7	0.	3.	9.5	0.	3.	1.7	[illegible]	32.7	33.1	53.4	[illegible]	59.8	80.6	88.3	[illegible]	76.2	81.2	90.9	[illegible]	[illegible]	91.4	92.7	94.7
[illegible]	1.60369	0.	[illegible]	[illegible]	0.7	0.	3.	8.1	0.	3.	1.7	[illegible]	32.0	28.1	51.0	[illegible]	54.7	77.4	86.0	[illegible]	75.9	79.5	89.2	[illegible]	[illegible]	91.3	92.1	94.1
[illegible]	1.60364	0.	[illegible]	[illegible]	0.7	0.	3.	6.7	0.	3.	1.5	[illegible]	31.3	26.1	45.8	[illegible]	51.6	72.7	82.3	[illegible]	75.4	79.5	86.2	[illegible]	[illegible]	91.2	91.4	93.5
[illegible]	1.60359	0.	[illegible]	[illegible]	0.5	0.	3.	6.5	0.	3.	1.5	[illegible]	30.8	27.9	51.9	[illegible]	52.2	69.0	80.9	[illegible]	75.0	79.8	83.5	[illegible]	[illegible]	91.0	91.1	92.4
[illegible]	1.60354	0.	[illegible]	[illegible]	0.5	0.	3.	7.2	0.	3.	1.5	[illegible]	30.3	32.3	49.6	[illegible]	56.5	68.5	81.5	[illegible]	74.6	80.2	83.3	[illegible]	[illegible]	90.9	91.1	93.1
[illegible]	1.60349	0.	[illegible]	[illegible]	0.5	0.	3.	8.1	0.	3.	1.4	[illegible]	29.8	35.5	53.7	[illegible]	62.0	72.6	84.5	[illegible]	74.3	81.1	84.8	[illegible]	[illegible]	90.8	91.6	93.4
[illegible]	1.60344	0.	[illegible]	[illegible]	0.1	0.	3.	6.5	0.	3.	1.4	[illegible]	29.3	34.1	53.5	[illegible]	62.5	77.6	87.4	[illegible]	74.0	81.2	86.3	[illegible]	[illegible]	90.5	92.1	93.9
[illegible]	1.60339	0.	[illegible]	[illegible]	0.1	0.	3.	8.1	0.	3.	1.3	[illegible]	28.9	30.3	52.0	[illegible]	58.9	78.9	88.4	[illegible]	73.5	79.8	89.7	[illegible]	[illegible]	90.4	91.9	94.1
[illegible]	1.60333	0.	[illegible]	[illegible]	[illegible]	0.	3.	6.5	0.	3.	1.3	[illegible]	28.4	27.1	50.6	[illegible]	53.3	75.7	85.4	[illegible]	73.3	79.0	88.4	[illegible]	[illegible]	90.2	91.3	93.7
[illegible]	1.60328	0.	[illegible]	[illegible]	[illegible]	0.	3.	5.3	0.	3.	1.2	[illegible]	28.0	24.2	55.9	[illegible]	49.4	72.2	82.1	[illegible]	72.9	79.8	85.3	[illegible]	[illegible]	90.0	90.6	92.9
[illegible]	1.60323	0.	[illegible]	[illegible]	[illegible]	0.	3.	5.5	0.	3.	1.2	[illegible]	27.6	24.1	54.3	[illegible]	49.5	69.0	80.5	[illegible]	72.5	77.0	82.7	[illegible]	[illegible]	89.9	90.0	92.1
[illegible]	1.60319	0.	[illegible]	[illegible]	[illegible]	0.	3.	6.1	0.	3.	1.1	[illegible]	27.3	28.5	49.4	[illegible]	53.5	67.3	80.9	[illegible]	72.3	79.5	82.3	[illegible]	[illegible]	89.9	90.3	92.3
[illegible]	1.60313	0.	[illegible]	[illegible]	[illegible]	0.	3.	6.9	0.	3.	1.1	[illegible]	26.9	31.9	51.7	[illegible]	58.4	70.9	83.3	[illegible]	72.1	79.6	83.9	[illegible]	[illegible]	89.8	90.4	92.8
[illegible]	1.60308	0.	[illegible]	[illegible]	0.	0.	3.	7.4	0.	3.	1.1	[illegible]	26.5	32.5	55.5	[illegible]	60.2	75.3	87.5	[illegible]	71.9	79.8	87.4	[illegible]	[illegible]	89.7	91.1	93.4
[illegible]	1.60303	0.	[illegible]	[illegible]	0.	0.	3.	6.5	0.	3.	1.1	[illegible]	25.1	30.5	52.9	[illegible]	57.9	77.7	87.9	[illegible]	71.5	79.8	89.1	[illegible]	[illegible]	89.5	91.1	93.6
[illegible]	1.60298	0.	[illegible]	[illegible]	0.	0.	3.	5.3	0.	3.	1.1	[illegible]	25.0	28.3	51.5	[illegible]	53.3	75.2	85.8	[illegible]	71.3	77.1	87.3	[illegible]	[illegible]	89.3	90.6	93.3
[illegible]	1.60292	0.	[illegible]	[illegible]	0.	0.	3.	5.2	0.	3.	1.0	[illegible]	25.7	24.1	55.6	[illegible]	49.1	72.0	82.9	[illegible]	71.1	75.0	84.5	[illegible]	[illegible]	89.4	90.0	92.5
[illegible]	1.60287	0.	[illegible]	[illegible]	0.	0.	3.	5.1	0.	3.	1.0	[illegible]	25.6	25.0	50.8	[illegible]	49.5	69.4	81.0	[illegible]	70.9	79.5	82.5	[illegible]	[illegible]	89.4	89.8	92.2
[illegible]	1.60282	0.	[illegible]	[illegible]	0.	0.	3.	5.5	0.	3.	1.0	[illegible]	25.4	27.9	49.0	[illegible]	52.9	67.7	81.0	[illegible]	70.7	77.7	81.7	[illegible]	[illegible]	89.3	90.1	92.2
[illegible]	1.60277	0.	[illegible]	[illegible]	0.	0.	3.	6.2	0.	3.	1.0	[illegible]	25.2	30.5	50.9	[illegible]	57.1	73.2	84.1	[illegible]	70.6	79.8	83.5	[illegible]	[illegible]	89.2	90.5	92.5
[illegible]	1.60272	0.	[illegible]	[illegible]	0.	0.	3.	5.4	0.	3.	1.0	[illegible]	25.1	31.1	55.6	[illegible]	59.4	74.8	86.7	[illegible]	70.4	79.0	86.7	[illegible]	[illegible]	89.2	90.7	93.1
[illegible]	1.60267	0.	[illegible]	[illegible]	0.	0.	3.	6.1	0.	3.	0.9	[illegible]	25.0	28.3	53.2	[illegible]	56.4	77.6	87.3	[illegible]	70.3	77.7	86.4	[illegible]	[illegible]	89.1	90.5	93.3
[illegible]	1.60262	0.	[illegible]	[illegible]	0.	0.	3.	5.4	0.	3.	0.9	[illegible]	24.9	25.0	52.5	[illegible]	49.5	69.4	81.0	[illegible]	70.2	79.5	86.9	[illegible]	[illegible]	89.1	90.0	92.9
[illegible]	1.60256	0.	[illegible]	[illegible]	0.	0.	3.	4.7	0.	3.	0.9	[illegible]	24.8	23.5	53.2	[illegible]	48.4	70.9	81.7	[illegible]	70.2	79.1	83.3	[illegible]	[illegible]	89.1	89.6	92.2
[illegible]	1.60251	0.	[illegible]	[illegible]	0.	0.	3.	4.9	0.	3.	0.9	[illegible]	24.8	24.5	49.2	[illegible]	49.3	67.7	80.9	[illegible]	70.1	79.6	82.3	[illegible]	[illegible]	89.1	89.8	92.1
[illegible]	1.60244	0.	[illegible]	[illegible]	0.	0.	3.	5.5	0.	3.	0.9	[illegible]	24.7	27.7	48.1	[illegible]	53.5	67.2	81.0	[illegible]	70.1	77.7	82.3	[illegible]	[illegible]	89.1	90.0	92.0
[illegible]	1.60241	0.	[illegible]	[illegible]	0.	0.	3.	6.2	0.	3.	0.9	[illegible]	24.6	30.5	50.2	[illegible]	58.1	69.6	83.5	[illegible]	70.0	79.6	84.3	[illegible]	[illegible]	89.1	90.4	92.7
[illegible]	1.60234	0.	[illegible]	[illegible]	0.	0.	3.	6.2	0.	3.	0.9	[illegible]	24.6	29.9	55.8	[illegible]	57.0	74.5	86.2	[illegible]	70.0	79.1	87.0	[illegible]	[illegible]	89.1	90.5	92.9
[illegible]	1.60231	0.	[illegible]	[illegible]	0.	0.	3.	5.7	0.	3.	0.9	[illegible]	24.6	27.2	57.5	[illegible]	53.6	75.9	86.3	[illegible]	70.0	77.1	87.3	[illegible]	[illegible]	89.1	90.2	92.8
[illegible]	1.60226	0.	[illegible]	[illegible]	0.	0.	3.	5.3	0.	3.	0.9	[illegible]	24.6	24.3	55.7	[illegible]	50.1	73.8	83.5	[illegible]	69.9	75.3	86.0	[illegible]	[illegible]	89.0	89.8	92.4
[illegible]	1.60220	0.	[illegible]	[illegible]	0.	0.	3.	4.9	0.	3.	0.9	[illegible]	24.6	23.4	52.1	[illegible]	48.3	70.1	81.5	[illegible]	69.9	75.1	83.5	[illegible]	[illegible]	89.0	89.6	92.0
[illegible]	1.60215	0.	[illegible]	[illegible]	0.	0.	3.	5.3	0.	3.	0.9	[illegible]	24.6	25.5	49.4	[illegible]	50.5	67.7	80.9	[illegible]	69.9	75.9	81.9	[illegible]	[illegible]	89.0	89.8	91.9
[illegible]	1.60210	0.	[illegible]	[illegible]	0.	0.	3.	5.9	0.	3.	0.9	[illegible]	24.6	28.7	49.8	[illegible]	54.8	69.6	82.2	[illegible]	69.9	79.2	83.3	[illegible]	[illegible]	89.0	90.1	92.1
[illegible]	1.60205	0.	[illegible]	[illegible]	0.	0.	3.	6.2	0.	3.	0.9	[illegible]	24.6	29.5	54.4	[illegible]	57.0	73.2	85.2	[illegible]	69.9	79.4	86.1	[illegible]	[illegible]	89.0	90.5	92.6
[illegible]	1.60200	0.	[illegible]	[illegible]	0.	0.	3.	5.9	0.	3.	0.9	[illegible]	24.7	28.0	57.7	[illegible]	55.7	75.4	86.4	[illegible]	70.0	77.8	87.7	[illegible]	[illegible]	89.0	90.5	92.8
[illegible]	1.60195	0.	[illegible]	[illegible]	0.	0.	3.	5.4	0.	3.	0.9	[illegible]	24.8	25.5	57.5	[illegible]	52.2	74.7	85.3	[illegible]	70.0	77.0	87.0	[illegible]	[illegible]	89.1	90.3	92.5
[illegible]	1.60190	0.	[illegible]	[illegible]	0.	0.	3.	5.2	0.	3.	0.9	[illegible]	24.9	23.9	54.1	[illegible]	49.3	71.6	83.1	[illegible]	70.1	75.4	84.7	[illegible]	[illegible]	89.2	89.8	92.3
[illegible]	1.60185	0.	[illegible]	[illegible]	0.	0.	3.	5.4	0.	3.	0.9	[illegible]	25.2	26.0	50.1	[illegible]	50.1	69.5	81.4	[illegible]	70.3	75.9	82.7	[illegible]	[illegible]	89.2	90.0	92.0
[illegible]	1.60179	0.	[illegible]	[illegible]	0.	0.	3.	6.1	0.	3.	0.9	[illegible]	25.6	28.7	50.6	[illegible]	53.9	69.6	81.8	[illegible]	70.6	77.9	82.8	[illegible]	[illegible]	89.2	90.2	92.1
[illegible]	1.60174	0.	[illegible]	[illegible]	0.	0.	3.	6.4	0.	3.	0.9	[illegible]	25.9	30.0	53.3	[illegible]	56.8	71.9	84.1	[illegible]	70.8	79.5	84.7	[illegible]	[illegible]	89.3	90.4	92.3
[illegible]	1.60169	0.	[illegible]	[illegible]	0.	0.	3.	6.4	0.	3.	0.9	[illegible]	26.2	29.4	55.4	[illegible]	56.7	75.3	85.7	[illegible]	71.1	79.4	86.5	[illegible]	[illegible]	89.3	90.6	93.0
[illegible]	1.60164	0.	[illegible]	[illegible]	0.	0.	3.	6.1	0.	3.	0.9	[illegible]	26.4	27.1	55.1	[illegible]	53.3	73.5	85.5	[illegible]	71.2	77.5	86.9	[illegible]	[illegible]	89.4	90.5	92.6
[illegible]	1.60159	0.	[illegible]	[illegible]	0.	0.	3.	5.7	0.	3.	0.9	[illegible]	26.7	25.3	54.7	[illegible]	50.4	72.6	83.5	[illegible]	71.4	77.1	85.1	[illegible]	[illegible]	89.6	90.5	92.5
[illegible]	1.60154	0.	[illegible]	[illegible]	0.	0.	3.	5.8	0.	3.	0.9	[illegible]	27.0	26.1	51.2	[illegible]	51.0	69.9	81.8	[illegible]	71.5	77.6	83.4	[illegible]	[illegible]	89.7	90.4	92.5
[illegible]	1.60149	0.	[illegible]	[illegible]	0.	0.	3.	6.4	0.	3.	0.9	[illegible]	27.4	28.2	50.8	[illegible]	54.2	70.1	81.5	[illegible]	71.8	79.4	83.9	[illegible]	[illegible]	89.9	90.6	92.7
[illegible]	1.60143	0.	[illegible]	[illegible]	0.	0.	3.	6.7	0.	3.	0.9	[illegible]	27.8	29.9	53.1	[illegible]	57.1	72.2	83.4	[illegible]	72.1	79.1	84.1	[illegible]	[illegible]	89.9	90.8	92.7
[illegible]	1.60138	0.	[illegible]	[illegible]	0.	0.	3.	6.8	0.	3.	0.9	[illegible]	28.2	30.0	55.4	[illegible]	57.3	74.6	85.4	[illegible]	72.4	79.2	86.1	[illegible]	[illegible]	89.9	91.0	92.9
[illegible]	1.60133	0.	[illegible]	[illegible]	0.	0.	3.	6.7	0.	3.	0.9	[illegible]	28.7	27.9	57.5	[illegible]	54.3	75.7	85.8	[illegible]	72.7	79.6	86.9	[illegible]	[illegible]	90.0	91.1	93.0
[illegible]	1.60128	0.	[illegible]	[illegible]	0.	0.	3.	6.4	0.	3.	0.9	[illegible]	29.1	26.5	55.0	[illegible]	52.3	73.0	83.8	[illegible]	73.0	79.3	85.7	[illegible]	[illegible]	90.1	90.9	92.9
[illegible]	1.60123	0.	[illegible]	[illegible]	0.	0.	3.	6.4	0.	3.	0.9	[illegible]	29.6	27.5	52.7	[illegible]	53.0	70.8	82.5	[illegible]	73.3	79.6	84.1	[illegible]	[illegible]	90.2	90.9	92.9
[illegible]	1.60118	0.	[illegible]	[illegible]	0.	0.	3.	6.9	0.	3.	0.9	[illegible]	30.1	29.5	52.6	[illegible]	55.5	70.4	82.5	[illegible]	73.7	79.1	84.0	[illegible]	[illegible]	90.3	90.9	92.9
[illegible]	1.60113	0.	[illegible]	[illegible]	0.	0.	3.	7.5	0.	3.	0.9	[illegible]	30.6	30.9	54.7	[illegible]	56.0	72.1	83.5	[illegible]	74.0	79.7	84.8	[illegible]	[illegible]	90.3	91.1	92.9
[illegible]	1.60108	0.	[illegible]	[illegible]	0.	0.	3.	7.7	0.	3.	0.9	[illegible]	31.2	30.7	57.2	[illegible]	58.4	75.1	85.2	[illegible]	74.3	80.2	86.3	[illegible]	[illegible]	90.5	91.3	93.0
[illegible]	1.60102	0.	[illegible]	[illegible]	0.	0.	3.	7.5	0.	3.	1.0	[illegible]	31.8	29.0	57.3	[illegible]	55.9	75.2	85.5	[illegible]	74.6	79.8	86.5	[illegible]	[illegible]	90.9	91.5	93.2
[illegible]	1.60097	0.	[illegible]	[illegible]	0.	0.	3.	7.4	0.	3.	1.1	[illegible]	32.4	28.9	55.4	[illegible]	54.2	73.2	84.2	[illegible]	75.0	79.6	85.9	[illegible]	[illegible]	91.0	91.5	93.2
[illegible]	1.60092	0.	[illegible]	[illegible]	0.	0.	3.	7.3	0.	3.	1.1	[illegible]	33.0	30.1	54.1	[illegible]	55.1	71.6	83.3	[illegible]	75.3	79.8	84.5	[illegible]	[illegible]	91.2	91.5	93.2
[illegible]	1.60087	0.	[illegible]	[illegible]	0.	0.	3.	8.5	0.	3.	1.1	[illegible]	33.6	32.0	54.6	[illegible]	57.7	71.9	83.3	[illegible]	75.7	80.3	84.5	[illegible]	[illegible]	91.4	91.6	93.2
[illegible]	1.60082	0.	[illegible]	[illegible]	0.3	0.	3.	9.3	0.	3.	1.1	[illegible]	34.2	33.3	57.0	[illegible]	59.9	74.1	84.5	[illegible]	76.1	80.9	85.9	[illegible]	[illegible]	91.5	91.9	93.5
[illegible]	1.60077	0.	[illegible]	[illegible]	0.1	0.	3.	9.2	0.	3.	1.2	[illegible]	34.8	31.9	59.4	[illegible]	58.9	75.8	85.5	[illegible]	76.5	81.4	86.9	[illegible]	[illegible]	91.9	[illegible]	93.4
[illegible]	1.60072	0.	[illegible]	[illegible]	0.2	0.	3.	9.2	0.	3.	1.4	[illegible]	35.5	31.2	57.8	[illegible]	57.0	75.1	85.3	[illegible]	76.9	81.1	87.1	[illegible]	[illegible]	91.9	[illegible]	93.5
[illegible]	1.60067	0.	[illegible]	[illegible]	0.2	0.	3.	9.4	0.	3.	1.5	[illegible]	35.2	31.9	55.0	[illegible]	56.9	73.7	84.4	[illegible]	77.2	81.1	86.5	[illegible]	[illegible]	92.0	[illegible]	93.5
[illegible]	1.60061	0.	[illegible]	[illegible]	0.3	0.	3.	10.2	0.	3.	1.3	[illegible]	37.0	34.0	55.4	[illegible]	58.9	73.2	83.9	[illegible]	77.6	81.5	89.3	[illegible]	[illegible]	92.4	[illegible]	[illegible]
[illegible]	1.60056	0.	[illegible]	[illegible]	0.3	0.	3.	11.1	0.	3.	1.9	[illegible]	37.8	36.2	57.9	[illegible]	61.4	74.6	84.5	[illegible]	78.1	82.0	86.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table 4-1 (cont'd)

Sam. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
P(atm)	1.50 x 10^{0}	2.53 x 10^{0}	2.53 x 10^{0}	2.50 x 10^{0}	2.00 x 10^{0}	1.00 x 10^{0}	1.00 x 10^{0}	1.46 x 10^{1}	1.00 x 10^{1}	1.00 x 10^{1}	1.00 x 10^{1}	1.00 x 10^{0}	2.30 x 10^{-1}	2.30 x 10^{-1}	1.16 x 10^{-1}	7.70 x 10^{-2}	7.70 x 10^{-2}	7.70 x 10^{-2}	3.87 x 10^{-2}	6.65 x 10^{-1}	6.65 x 10^{-1}	2.34 x 10^{-2}	2.34 x 10^{-2}	2.34 x 10^{-2}	2.17 x 10^{-1}	2.17 x 10^{-1}	2.17 x 10^{-1}
P_e(atm)	3.29 x 10^{0}	3.32 x 10^{0}	3.32 x 10^{0}	3.29 x 10^{0}	2.62 x 10^{0}	1.31 x 10^{0}	1.31 x 10^{0}	2.03 x 10^{1}	1.36 x 10^{1}	1.36 x 10^{1}	1.36 x 10^{1}	1.36 x 10^{1}	9.99 x 10^{-1}	3.00 x 10^{-1}	1.50 x 10^{-1}	1.001 x 10^{0}	3.03 x 10^{-1}	1.001 x 10^{-1}	5.03 x 10^{-2}	1.31 x 10^{1}	8.65 x 10^{-1}	3.00 x 10^{-1}	1.02 x 10^{-1}	3.04 x 10^{-2}	1.30 x 10^{1}	1.00 x 10^{0}	2.83 x 10^{-1}
u (atm cm) STP	2.17 x 10^{5}	1.10 x 10^{5}	5.57 x 10^{4}	2.80 x 10^{4}	8.71 x 10^{4}	8.62 x 10^{4}	2.19 x 10^{4}	4.73 x 10^{4}	3.16 x 10^{4}	1.59 x 10^{4}	7.93 x 10^{3}	3.99 x 10^{3}	9.94 x 10^{3}	9.94 x 10^{3}	9.94 x 10^{3}	3.32 x 10^{3}	3.32 x 10^{3}	3.32 x 10^{3}	3.32 x 10^{3}	1.01 x 10^{3}	1.01 x 10^{3}	1.01 x 10^{3}	1.01 x 10^{3}	1.01 x 10^{3}	3.30 x 10^{2}	3.30 x 10^{2}	3.30 x 10^{2}

ν (cm^{-1})	λ (micron)	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100
6248.1	1.60051	0.	0.	0.	0.6	0.	0.	11.6	0.	0.	2.0	15.5	38.6	36.2	60.6	70.7	61.7	75.7	86.2	94.3	78.5	92.5	87.3	93.3	95.5	92.5	92.5	93.3
6245.2	1.60044	0.	0.	0.	0.6	0.	0.	11.5	0.	0.	2.3	15.8	39.5	34.5	62.3	71.1	60.6	77.3	87.2	94.6	79.1	92.8	88.2	93.8	95.5	92.8	92.7	94.1
6243.4	1.60041	0.	0.	0.	0.6	0.	0.	11.4	0.	0.	2.5	15.7	40.5	34.7	63.3	71.5	59.7	75.7	86.4	93.9	79.5	92.8	86.9	93.6	95.4	93.0	92.9	94.2
6240.6	1.60034	0.	0.	0.	0.7	0.	0.	12.2	0.	0.	2.9	17.6	41.4	36.2	64.7	71.7	61.5	75.1	85.9	94.1	80.0	92.9	86.5	93.0	95.3	93.2	93.1	94.3
6238.8	1.60031	0.	0.	0.	0.7	0.	0.	13.1	0.	0.	3.3	17.4	42.3	37.9	65.4	71.7	63.3	75.0	86.1	94.1	80.5	93.4	87.3	93.6	95.5	93.3	93.2	94.4
6249.3	1.60026	0.	0.	0.	0.8	0.	0.	13.7	0.	0.	3.6	19.2	43.3	37.9	65.8	71.5	63.6	77.4	86.9	95.3	80.9	93.9	88.5	93.2	95.2	93.5	93.4	94.4
6247.5	1.60020	0.	0.	0.	0.8	0.	0.	13.5	0.	0.	4.0	20.0	44.2	37.0	65.7	71.3	62.5	77.9	87.5	95.3	81.5	94.2	88.3	93.1	95.2	93.6	93.5	94.5
6244.6	1.60015	0.	0.	0.	1.0	0.	0.	13.4	0.	0.1	4.4	20.9	45.3	36.9	65.3	71.2	61.9	77.1	86.9	95.4	81.8	94.3	88.2	93.2	95.4	93.8	93.7	94.7
6242.5	1.60010	0.	0.	0.	1.3	0.	0.	13.4	0.	0.3	4.9	21.8	46.3	38.3	59.9	71.4	63.3	75.2	85.6	95.4	82.3	94.5	87.5	93.3	95.1	94.1	94.0	94.4
6240.8	1.60005	0.	0.	0.	1.6	0.	0.	15.1	0.	0.3	5.5	22.8	47.4	40.2	60.5	71.8	65.2	75.6	86.1	95.3	82.9	95.2	88.0	93.4	95.4	94.1	94.0	94.4
6255.3	1.60000	0.	0.	0.	1.6	0.	0.	15.9	0.	0.3	5.7	24.0	48.8	40.6	62.5	72.3	65.6	78.0	86.8	95.6	83.5	95.6	88.6	93.1	95.9	94.2	94.2	94.9
6253.2	1.59995	0.	0.	0.	1.7	0.	0.	16.1	0.	0.5	6.2	25.2	50.1	40.1	63.6	72.5	65.2	78.7	87.2	95.4	84.1	95.9	89.0	93.3	96.2	94.4	94.3	95.1
6251.4	1.59990	0.	0.	0.1	2.0	0.	0.	16.1	0.0	0.5	6.8	25.5	51.3	40.5	63.5	72.9	65.5	78.3	87.3	95.5	84.7	95.1	89.0	93.4	95.9	94.5	94.4	95.2
6248.6	1.59985	0.	0.	0.1	2.3	0.	0.	16.4	0.2	0.6	7.5	27.7	52.4	41.2	63.7	73.2	66.3	78.1	87.2	95.6	85.1	95.3	89.6	93.6	95.9	94.7	94.6	95.3
6245.8	1.59980	0.	0.	0.1	2.6	0.	0.2	17.5	0.3	0.7	8.3	29.9	53.4	43.1	63.7	73.3	67.9	78.6	87.4	95.4	85.5	95.7	90.1	93.1	95.9	94.9	94.7	95.4
6251.5	1.59974	0.	0.	0.2	2.4	0.	0.2	18.4	0.3	0.8	9.1	31.1	54.6	43.8	64.5	74.4	68.5	79.4	87.5	95.5	85.9	97.3	90.3	93.5	96.2	94.9	94.9	95.5
6249.2	1.59969	0.	0.	0.2	3.1	0.	0.3	19.1	0.4	0.9	9.9	32.4	56.0	44.5	65.2	74.9	68.8	79.9	88.3	95.8	86.4	97.8	90.2	93.6	96.1	95.3	95.1	95.9
6246.4	1.59964	0.	0.	0.2	3.4	0.	0.4	20.0	0.5	1.1	10.7	33.7	57.3	45.3	65.5	75.3	69.5	79.4	88.3	95.8	86.9	98.0	90.1	93.3	96.0	95.6	95.5	95.7
6243.6	1.59959	0.	0.	0.3	3.6	0.	0.6	21.5	0.5	1.2	11.6	34.9	58.4	47.6	65.8	75.7	70.3	80.0	88.5	95.8	87.4	99.3	90.5	93.4	96.0	95.8	95.7	95.9
6241.8	1.59954	0.	0.	0.4	4.3	0.9	0.9	23.2	0.5	1.6	12.5	36.2	59.5	48.6	67.6	76.1	71.5	80.8	89.1	96.3	87.8	99.6	91.2	93.6	96.0	96.0	95.8	96.1
6256.1	1.59949	0.	0.	0.5	5.1	0.1	1.3	24.4	0.5	1.7	13.3	38.4	61.5	48.7	68.4	76.5	72.0	81.4	89.0	96.5	88.3	99.0	91.4	94.0	96.2	96.0	96.0	96.2
6254.3	1.59944	0.	0.	0.6	5.5	0.1	1.6	24.5	0.5	2.1	14.5	39.4	61.6	49.7	68.8	77.0	72.7	81.3	88.9	96.7	88.7	99.3	91.5	93.8	96.1	96.4	96.1	96.3
6252.4	1.59939	0.	0.	0.6	6.2	0.1	1.9	25.2	0.5	2.6	15.3	39.8	62.7	51.6	69.2	77.3	73.9	81.4	88.9	96.8	89.2	99.8	91.4	93.5	96.1	96.6	96.1	96.4
6250.4	1.59933	0.	0.	1.0	6.7	0.2	1.9	27.4	0.5	3.1	17.1	40.9	63.9	53.1	72.3	77.5	75.2	82.0	89.3	96.9	89.7	99.2	91.7	94.3	96.5	96.8	96.2	96.5
6248.4	1.59928	0.	0.	1.	7.1	0.2	2.2	28.7	0.5	3.6	18.4	42.6	65.3	53.6	71.2	77.3	75.6	82.8	89.5	96.1	90.2	99.6	92.0	94.8	96.3	96.9	96.4	96.7
6253.2	1.59923	0.	0.	1.0	8.0	0.3	2.6	29.3	0.7	4.2	19.7	44.6	66.7	53.8	71.6	78.2	76.1	83.7	90.3	96.6	90.5	99.9	92.2	94.6	96.5	97.0	96.5	96.9
6251.3	1.59918	0.	0.	1.2	9.3	0.3	2.8	29.5	0.9	4.6	21.3	45.9	68.0	54.2	72.1	78.7	76.7	83.2	90.1	96.8	91.0	91.2	92.3	94.7	96.6	97.1	96.7	97.1
6249.5	1.59913	0.	0.	1.4	10.2	0.3	3.1	30.2	1.1	5.2	22.5	47.5	69.1	56.0	73.1	79.1	77.7	83.5	90.3	96.9	91.3	91.5	92.5	94.9	96.7	97.1	96.9	97.1
6246.6	1.59908	0.	0.	1.6	10.5	0.4	3.4	31.5	1.3	5.9	23.9	48.0	70.2	56.9	73.6	79.5	78.2	84.1	89.9	96.5	91.5	91.9	92.8	95.1	96.7	97.2	97.1	97.2
6243.8	1.59903	0.	0.	2.2	11.4	0.4	3.7	33.2	1.3	6.7	25.5	51.7	71.4	57.2	73.4	79.9	79.3	84.8	90.3	96.8	92.0	92.3	93.3	95.1	96.7	97.3	97.2	97.3
6258.1	1.59899	0.	0.	2.6	13.3	0.5	3.8	33.5	2.2	7.7	27.5	53.5	72.6	58.0	73.8	80.3	79.4	85.2	90.9	96.7	92.3	92.6	93.4	95.8	97.0	97.4	97.3	97.4
6256.2	1.59893	0.	0.0	2.9	13.9	0.7	3.9	33.8	2.7	8.8	29.7	54.3	73.8	59.5	73.6	80.7	80.3	85.4	91.3	96.9	92.5	92.9	93.7	95.1	97.1	97.5	97.4	97.5
6254.4	1.59887	0.	0.2	3.5	15.0	0.8	3.9	34.3	3.0	9.9	31.5	54.8	75.0	61.4	73.7	81.2	81.3	85.4	91.1	96.9	93.2	93.5	94.0	95.7	97.3	97.6	97.5	97.7
6252.6	1.59882	0.	0.3	4.1	16.3	1.0	4.1	36.1	3.5	11.1	33.2	55.7	76.1	62.4	75.1	81.5	82.3	85.8	90.8	96.8	93.5	93.9	94.3	95.7	97.1	97.6	97.5	97.8
6250.7	1.59877	0.	0.5	4.6	18.2	1.1	4.3	38.1	4.3	12.4	35.3	56.4	77.3	63.5	75.6	82.0	82.9	87.0	91.2	96.9	93.8	94.1	94.5	95.8	97.3	97.8	97.6	97.9
6259.3	1.59872	0.	0.8	5.7	19.6	1.3	4.9	39.5	5.1	13.9	36.9	57.8	78.3	65.3	75.4	82.4	83.3	87.3	91.9	96.9	93.8	94.4	94.5	95.9	97.4	98.1	98.0	98.1
6257.5	1.59867	0.	0.9	6.4	21.1	1.5	5.6	41.3	5.5	15.0	38.4	59.3	79.3	66.5	77.3	82.8	85.1	87.5	91.9	96.9	94.1	94.5	94.8	95.9	97.4	98.1	98.1	98.1
6255.6	1.59862	0.	1.0	7.6	22.9	2.1	7.4	44.0	6.5	15.9	40.8	60.4	80.4	67.4	78.2	83.2	85.6	88.1	92.0	96.9	94.4	94.8	95.0	95.1	97.5	98.3	98.2	98.3
6253.8	1.59857	0.	1.3	8.7	24.9	2.5	8.5	45.5	7.4	18.0	42.5	61.8	81.3	68.6	78.	83.5	86.1	88.6	92.3	96.9	94.7	95.1	95.4	95.1	97.5	98.3	98.3	98.3
6251.9	1.59852	0.	1.6	9.4	26.3	3.2	9.9	46.9	8.5	19.4	44.4	63.3	82.3	70.2	79.1	84.3	86.9	88.9	92.5	96.9	95.0	95.4	95.7	95.3	97.7	98.5	98.4	98.4
6260.7	1.59847	0.1	1.9	11.1	28.7	3.8	11.2	48.4	9.3	21.9	46.3	64.8	83.2	71.5	79.8	84.4	87.6	89.5	92.5	96.9	95.3	95.7	95.9	95.4	97.9	98.5	98.5	98.4
6258.9	1.59841	0.4	2.2	12.3	30.7	4.5	11.8	50.1	11.1	24.0	48.5	7 .3	84.1	72.3	80.7	84.9	88.1	90.1	92.9	96.9	95.5	95.9	96.1	95.6	98.1	98.6	98.6	98.5
6257.0	1.59836	0.4	2.6	13.3	33.0	5.0	13.1	51.2	12.3	25.1	50.8	7 .8	84.9	73.0	80.7	85.3	88.9	90.3	93.2	96.9	95.9	95.1	96.2	95.8	98.1	98.7	98.6	98.5
6255.1	1.59831	0.5	3.0	14.7	34.5	5.5	13.7	51.8	13.6	26.0	52.7	7 .1	85.6	74.8	80.7	85.7	89.7	90.5	93.4	96.9	96.0	95.3	96.4	97.0	98.2	98.7	98.7	98.7
6253.3	1.59826	0.5	3.6	16.4	36.0	6.3	14.1	53.2	15.1	30.0	54.5	7 .3	86.3	75.9	81.4	86.1	90.2	90.8	93.5	96.9	96.2	95.5	96.5	97.1	98.3			
6262.0	1.59821	0.7	4.4	17.4	37.4	6.7	14.4	54.3	16.4	32.1	56.4	7 .6	86.9	76.5	82.0	86.5	90.5	91.2	93.5	96.9	96.4	96.8	96.7	97.2	98.4	98.3	98.3	98.3
6260.2	1.59816	0.7	5.2	19.4	40.1	7.3	14.7	56.5	18.1	33.0	58.1	7 .7	87.6	77.2	83.0	86.9	90.9	91.7	93.7	96.9	96.5	97.1	96.9	97.4	98.1	98.9	98.9	98.9
6258.4	1.59811	0.7	6.2	21.3	42.2	8.3	15.3	57.8	19.3	33.6	59.7	7 .8	88.3	78.5	83.6	87.3	91.5	92.1	94.1	97.0	96.8	97.3	97.1	97.6	98.4	99.0	99.0	99.1
6256.6	1.59806	0.9	7.5	23.3	44.3	9.5	15.9	59.3	21.4	37.2	61.3	7 .9	88.9	79.8	83.7	87.7	92.0	92.6	94.3	97.0	96.9	97.5	97.2	97.8	98.4	99.1	99.0	99.1
6254.8	1.59801	1.0	8.8	25.5	46.3	10.7	16.1	61.0	23.0	38.8	62.9	8 .0	89.7	80.9	84.4	88.0	92.5	92.7	94.4	97.0	97.0	97.7	97.3	97.8	98.5	99.2	99.2	99.2
6263.2	1.59795	1.2	10.3	27.4	48.2	11.9	17.3	62.3	24.7	40.9	64.5	8 .2	90.1	82.0	85.2	88.4	93.0	93.1	94.4	97.0	97.3	98.0	97.5	98.1	98.5	99.3	99.2	99.2
6261.4	1.59790	1.5	11.8	29.1	49.9	13.3	21.5	64.3	26.3	43.1	66.1	8 .5	90.5	83.3	85.8	88.8	93.4	93.4	94.4	97.0	97.4	98.1	97.5	98.2	98.7	99.3	99.3	99.3
6259.6	1.59785	2.0	13.0	32.1	53.3	15.0	22.1	66.7	27.9	45.3	67.7	8 .9	91.0	84.3	86.4	89.1	93.8	93.8	94.9	97.0	97.5	98.2	98.0	98.3	98.7	99.4	99.4	99.4
6257.8	1.59780	2.4	14.5	34.5	55.3	17.3	24.7	68.5	29.7	47.4	69.2	9 .2	91.4	85.4	87.2	89.5	94.1	94.3	95.2	97.0	97.7	98.3	98.1	98.4	98.8	99.4	99.5	99.5
6255.9	1.59775	2.9	16.1	36.7	57.2	20.3	27.2	70.3	31.6	49.5	70.5	9 .5	91.9	86.4	87.9	89.9	94.4	94.3	95.4	97.0	97.9	98.5	98.2	98.5	98.9	99.4	99.5	99.5
6264.2	1.59770	3.5	17.9	38.4	59.1	21.9	29.8	71.9	33.4	51.6	72.0	9 .8	92.4	87.4	88.5	90.1	94.5	94.5	95.5	97.1	98.0	98.6	98.3	98.6	99.0	99.5	99.6	99.6
6262.2	1.59765	3.9	19.1	40.	61.0	22.9	31.4	72.7	35.3	53.6	73.3	9 .9	92.9	88.2	89.1	90.4	94.8	94.8	95.8	97.2	98.2	98.7	98.4	98.8	99.1	99.5	99.6	99.7
6260.4	1.59760	4.8	21.3	43.2	63.2	25.0	33.4	74.4	37.0	55.4	74.4	9 .9	93.3	88.9	89.9	90.9	95.1	95.1	96.1	97.3	98.3	98.8	98.5	98.9	99.1	99.5	99.6	99.7
6258.5	1.59755	5.1	23.3	45.4	64.9	27.4	35.5	75.5	38.7	57.2	75.5	9 .9	93.7	89.6	90.6	91.5	95.4	95.4	96.4	97.4	98.4	98.9	98.7	99.0	99.1	99.5	99.6	99.8
6256.7	1.59750	6.3	26.6	48.0	66.5	29.7	36.9	76.7	40.4	59.1	76.7	9 .9	94.0	89.9	90.9	91.7	95.7	95.7	96.4	97.5	98.5	99.0	98.7	99.1	99.1	99.7	99.6	99.8
6265.0	1.59744	7.5	28.7	50.	68.1	31.4	38.4	77.7	42.6	60.6	77.7	9 .9	94.3	90.9	91.8	92.2	95.9	95.9	96.5	97.6	98.5	99.0	98.8	99.2	99.2	99.7	99.6	99.8
6263.2	1.59739	8.6	31.1	52.4	69.8	33.1	39.8	78.6	44.3	62.1	78.4	9 .9	94.6	91.6	92.4	92.6	96.1	96.2	96.8	97.6	98.5	99.0	98.8	99.2	99.2	99.7	99.7	99.9
6261.4	1.59734	10.3	33.4	54.0	71.	35.6	41.5	79.5	46.5	63.7	79.4	9 .9	94.8	92.0	92.9	93.1	96.3	96.4	97.0	97.6	98.6	99.0	98.9	99.2	99.3	99.7	99.7	100.0
6259.6	1.59729	11.9	35.8	55.7	72.	38.4	43.2	80.5	48.3	65.1	80.2	9 .9	95.2	92.3	93.2	93.5	96.5	96.7	97.2	97.6	98.6	99.0	98.9	99.2	99.3	99.7	99.7	100.0
6257.8	1.59724	12.	37.5	57.	73.	41.0	45.1	81.2	50.0	66.5	80.9	9 .9	95.5	91.8	93.6	93.8	96.8	96.9	97.3	97.6	98.6	99.0	98.9	99.2	99.3	99.7	99.7	100.0

Table 4-1 (cont'd)

Sam. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
p(atm)	1.50 x 10^{0}	1.50 x 10^{0}	1.50 x 10^{0}	1.50 x 10^{0}	2.00 x 10^{0}	1.00 x 10^{0}	1.00 x 10^{0}	1.36 x 10^{1}	1.00 x 10^{1}	1.00 x 10^{1}	1.00 x 10^{1}	1.00 x 10^{0}	2.36 x 10^{-1}	2.30 x 10^{-1}	1.16 x 10^{-1}	3.70 x 10^{-2}	3.70 x 10^{-2}	7.70 x 10^{-2}	3.87 x 10^{-2}	6.65 x 10^{-1}	6.65 x 10^{-1}	2.34 x 10^{-2}	2.34 x 10^{-2}	2.34 x 10^{-2}	2.17 x 10^{-1}	2.17 x 10^{-1}	2.17 x 10^{-1}
P_e(atm)	3.29 x 10^{0}	3.32 x 10^{0}	3.32 x 10^{0}	3.29 x 10^{0}	2.62 x 10^{0}	1.31 x 10^{0}	1.31 x 10^{0}	2.03 x 10^{1}	1.36 x 10^{1}	1.36 x 10^{1}	1.36 x 10^{1}	1.36 x 10^{1}	9.99 x 10^{-1}	3.00 x 10^{-1}	1.50 x 10^{-1}	1.001 x 10^{0}	3.03 x 10^{-1}	1.001 x 10^{-1}	5.03 x 10^{-2}	1.31 x 10^{1}	8.65 x 10^{-1}	3.00 x 10^{-1}	1.02 x 10^{-1}	3.04 x 10^{-2}	1.30 x 10^{1}	1.00 x 10^{0}	2.83 x 10^{-1}
u (atm cm) STP	2.17 x 10^{5}	1.10 x 10^{5}	5.52 x 10^{4}	2.80 x 10^{4}	5.71 x 10^{4}	8.62 x 10^{4}	2.19 x 10^{4}	4.73 x 10^{4}	3.16 x 10^{4}	1.59 x 10^{4}	7.93 x 10^{3}	3.99 x 10^{3}	9.94 x 10^{3}	9.94 x 10^{3}	9.94 x 10^{3}	3.32 x 10^{3}	3.32 x 10^{3}	3.32 x 10^{3}	3.32 x 10^{3}	1.01 x 10^{3}	1.01 x 10^{3}	1.01 x 10^{3}	1.01 x 10^{3}	1.01 x 10^{3}	3.30 x 10^{2}	3.30 x 10^{2}	3.30 x 10^{2}

ν (cm^{-1})	λ (micron)	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100
6277.1	1.59312	78.3	88.6	94.0	97.2	90.0	91.4	99.3	88.1	93.2	97.3	99.4	99.7	98.9	99.4	99.7	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6277.2	1.59307	79.1	87.9	94.1	97.2	90.5	92.2	99.4	88.1	93.3	97.3	99.4	99.7	98.9	99.5	99.7	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6277.4	1.59302	79.1	86.7	94.0	97.2	91.3	93.3	98.6	88.1	93.3	97.3	99.4	99.7	99.0	99.6	99.8	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6277.6	1.59297	76.6	85.7	93.4	97.2	91.0	93.2	98.6	88.2	93.3	97.3	99.4	99.7	99.0	99.6	99.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6277.8	1.59291	74.7	85.1	92.8	96.7	90.4	92.9	98.1	88.2	93.3	97.3	99.4	99.7	99.1	99.6	99.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6278.0	1.59286	73.5	85.1	92.4	96.4	89.6	89.6	97.9	88.3	93.3	97.3	99.4	99.7	99.0	99.7	99.8	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6278.2	1.59281	71.8	85.3	92.2	96.3	88.5	88.4	97.3	88.3	93.3	97.3	99.4	99.7	98.9	99.4	99.8	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6278.4	1.59276	71.1	86.5	92.1	96.2	87.4	87.5	97.0	88.3	93.3	97.3	99.4	99.7	98.5	99.2	99.8	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6278.6	1.59271	72.7	88.1	92.4	96.3	86.3	87.7	96.8	88.3	93.3	97.3	99.4	99.7	98.4	99.0	99.8	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6278.8	1.59266	75.3	89.3	93.1	96.6	86.9	88.0	98.2	88.3	93.3	97.3	99.4	99.7	98.4	98.9	99.7	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6279.0	1.59261	77.9	89.9	93.8	97.3	87.8	90.0	99.0	88.3	93.2	97.3	99.4	99.7	98.5	99.2	99.8	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6279.2	1.59256	79.6	89.5	94.3	97.2	89.4	91.4	99.1	88.3	93.2	97.3	99.4	99.7	98.8	99.6	99.8	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6279.4	1.59251	80.1	88.7	94.5	97.2	90.9	92.3	99.0	88.3	93.2	97.3	99.4	99.7	98.9	99.7	99.8	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6279.6	1.59246	79.3	87.3	94.5	97.2	91.3	93.6	98.8	88.4	93.2	97.3	99.4	99.7	98.7	100.0	99.9	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6279.8	1.59241	77.3	85.7	94.1	97.0	92.0	93.8	98.3	88.5	93.2	97.3	99.4	99.6	98.9	100.0	99.9	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6280.0	1.59236	75.0	84.4	93.5	96.5	91.5	91.8	97.8	88.5	93.2	97.3	99.4	99.6	98.8	99.9	99.8	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6280.2	1.59231	72.3	84.1	92.3	96.2	90.5	92.	97.7	88.5	93.2	97.3	99.4	99.6	98.5	99.8	99.8	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6280.4	1.59225	70.6	84.3	91.8	96.0	88.5	89.2	97.7	88.5	93.1	97.3	99.4	99.7	98.5	99.6	99.7	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6280.6	1.59220	69.9	85.1	91.7	95.9	87.1	87.7	97.2	88.5	93.1	97.3	99.4	99.7	98.2	99.4	99.6	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6280.8	1.59215	69.7	86.6	91.7	96.2	86.3	87.1	98.4	88.4	93.0	97.1	99.4	99.7	98.1	99.2	99.4	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6281.0	1.59210	72.3	88.1	92.2	96.2	85.9	87.4	99.0	88.4	93.0	97.1	99.4	99.7	98.1	99.1	99.4	99.5	99.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6281.2	1.59205	75.0	88.3	93.2	96.5	86.5	88.0	99.3	88.3	92.9	97.1	99.4	99.7	98.2	99.1	99.3	99.5	99.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6281.4	1.59200	77.3	88.7	93.8	96.9	88.3	89.8	99.4	88.3	92.9	97.1	99.4	99.7	98.5	99.3	99.3	99.5	99.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6281.6	1.59195	79.0	87.9	94.2	97.0	89.8	91.4	99.4	88.3	92.9	97.1	99.4	99.7	98.7	99.6	99.4	99.5	99.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6281.8	1.59190	78.6	86.6	94.0	96.9	90.3	92.6	99.1	88.2	92.9	97.1	99.4	99.7	98.7	99.9	99.5	99.5	99.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6282.0	1.59185	76.3	85.2	93.4	96.7	91.4	92.5	98.5	88.2	92.9	97.1	99.4	99.7	98.7	100.0	99.8	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6282.2	1.59180	73.9	84.1	92.7	96.3	91.3	91.2	98.5	88.1	92.9	97.1	99.4	99.7	98.7	99.9	100.0	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6282.4	1.59175	71.9	83.5	92.0	96.0	90.4	90.9	98.0	88.1	92.9	97.1	99.4	99.7	98.4	99.9	100.0	99.5	99.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6282.6	1.59171	70.0	83.2	91.6	95.8	88.8	88.6	97.6	88.0	92.9	97.1	99.4	99.7	98.2	99.6	99.6	99.5	99.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6282.8	1.59165	68.9	83.4	91.3	95.5	86.9	87.1	97.4	87.9	92.9	97.1	99.4	99.7	98.1	99.3	99.2	99.5	99.7	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6283.0	1.59161	68.5	84.3	91.1	95.5	86.0	85.6	98.1	87.8	92.8	97.1	99.4	99.7	98.0	99.1	98.9	99.5	99.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6283.2	1.59155	69.3	85.4	91.5	95.7	85.7	85.7	98.4	87.7	92.7	97.1	99.4	99.7	98.0	99.1	98.9	99.5	99.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6283.4	1.59150	70.5	86.5	92.0	95.8	85.7	87.5	98.5	87.7	92.6	97.0	99.4	99.7	98.0	99.1	98.8	99.4	99.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6283.6	1.59144	72.7	86.7	92.4	96.0	86.1	88.6	98.5	87.7	92.5	97.0	99.4	99.7	98.1	99.1	98.9	99.4	99.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6283.8	1.59139	74.8	86.1	92.7	96.1	87.0	89.4	98.9	87.7	92.4	97.0	99.4	99.7	98.3	99.2	99.2	99.4	99.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6284.0	1.59134	74.6	85.1	92.6	96.2	88.1	90.4	98.5	87.7	92.4	97.0	99.4	99.7	98.4	99.4	99.5	99.5	99.7	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6284.2	1.59129	74.4	84.3	92.4	96.1	88.9	91.2	98.4	87.6	92.4	97.0	99.4	99.7	98.4	99.4	99.5	99.5	99.7	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6284.4	1.59124	72.4	83.3	92.1	95.9	89.1	89.6	98.2	87.5	92.3	96.9	99.4	99.7	98.4	99.4	99.5	99.3	99.7	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6284.6	1.59119	71.0	82.9	91.6	95.7	88.5	88.7	98.0	87.5	92.3	96.9	99.4	99.7	98.5	99.4	99.3	99.2	99.7	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6284.8	1.59114	69.9	82.6	91.4	95.5	87.0	87.7	97.9	87.5	92.3	96.9	99.4	99.7	98.5	99.5	99.2	99.2	99.7	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6285.0	1.59109	69.0	82.1	91.2	95.5	86.2	85.9	97.9	87.2	92.2	96.8	99.4	99.7	98.4	99.3	99.2	99.2	99.7	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6285.2	1.59104	68.3	81.7	91.0	95.5	85.9	85.6	97.8	87.1	92.2	96.8	99.4	99.7	98.1	99.1	99.1	99.1	99.7	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6285.4	1.59099	67.7	81.4	90.6	95.3	85.5	85.5	97.8	87.0	92.1	96.7	99.4	99.7	97.9	99.1	98.9	99.1	99.7	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6285.6	1.59094	66.8	81.2	91.2	95.3	85.4	85.3	97.7	86.8	92.0	96.7	99.4	99.6	98.1	99.4	98.8	99.3	99.7	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6285.8	1.59089	66.9	81.1	91.0	94.9	85.0	85.9	97.7	86.7	91.9	96.5	99.5	99.6	98.0	99.0	99.0	99.3	99.7	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6286.0	1.59084	65.6	81.2	90.8	94.8	84.3	85.7	97.7	86.5	91.8	96.5	99.5	99.6	97.9	98.9	99.0	98.9	99.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6286.2	1.59079	65.5	81.4	90.9	94.9	83.8	85.6	97.7	86.4	91.7	96.4	99.5	99.7	97.9	98.9	99.0	98.9	99.8	99.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6286.4	1.59074	65.7	82.1	90.1	95.0	83.7	85.5	97.7	86.3	91.6	96.3	99.5	99.7	98.1	99.0	99.0	99.0	99.8	99.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6286.6	1.59068	66.1	82.5	90.3	95.1	83.9	85.6	97.7	86.1	91.6	96.3	99.5	99.7	98.2	99.0	99.0	99.0	99.8	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6286.8	1.59063	67.1	82.9	90.4	95.1	84.2	85.9	97.6	86.0	91.6	96.3	99.5	99.7	98.1	98.9	99.1	99.1	99.8	99.5	99.6	100.0	100.0	99.9	100.0	100.0	100.0	100.0	100.0
6287.0	1.59058	67.5	82.7	90.5	95.1	84.3	85.3	98.0	85.8	91.5	96.3	99.4	99.6	98.1	98.9	99.1	99.1	99.8	99.5	99.6	100.0	100.0	99.9	100.0	100.0	100.0	100.0	100.0
6287.2	1.59053	68.7	81.5	90.7	95.2	84.5	85.6	98.0	85.7	91.4	96.3	99.4	99.6	98.1	99.0	99.1	99.1	99.8	99.5	99.6	100.0	100.0	99.9	100.0	100.0	100.0	100.0	100.0
6287.4	1.59049	68.6	79.7	90.8	95.0	85.2	87.6	97.5	85.6	91.3	96.2	99.4	99.6	98.4	99.0	99.2	99.1	99.8	99.4	99.6	100.0	100.0	99.9	100.0	100.0	100.0	100.0	100.0
6287.6	1.59043	67.8	77.5	90.1	94.3	86.7	88.2	96.8	85.5	91.1	96.1	99.3	99.6	98.5	99.5	99.2	99.1	99.8	99.4	99.7	100.0	100.0	99.9	100.0	100.0	100.0	100.0	100.0
6287.8	1.59038	64.4	75.4	88.8	93.8	86.4	85.6	95.7	85.5	90.9	96.0	99.3	99.6	98.4	99.6	99.2	99.2	99.7	99.4	99.8	100.0	100.0	99.9	100.0	100.0	100.0	100.0	100.0
6288.0	1.59033	60.4	74.0	87.2	93.1	85.1	84.2	95.2	85.2	90.9	95.9	99.3	99.6	98.1	99.5	99.1	99.1	99.7	99.3	99.9	100.0	100.0	99.9	100.0	100.0	100.0	100.0	100.0
6288.2	1.59028	57.0	73.7	85.9	92.9	83.3	81.6	95.1	85.0	90.8	95.8	99.2	99.6	97.9	99.2	99.0	98.9	99.6	99.7	99.9	100.0	100.0	99.9	100.0	100.0	100.0	100.0	100.0
6288.4	1.59023	54.7	74.8	85.5	92.8	78.8	79.5	95.3	84.8	90.6	95.7	99.2	99.6	97.5	98.9	98.7	98.6	99.4	99.5	99.8	100.0	100.0	99.9	100.0	100.0	100.0	100.0	100.0
6288.6	1.59018	54.0	77.5	86.0	91.2	77.1	79.6	96.1	84.5	90.4	95.7	99.2	99.6	97.3	98.4	98.5	98.6	99.3	99.4	99.7	100.0	100.0	99.8	100.0	100.0	100.0	100.0	100.0
6288.8	1.59013	56.7	79.7	87.1	93.9	77.7	79.0	96.8	84.2	90.2	95.6	99.1	99.6	97.4	98.0	98.3	98.7	99.1	99.3	99.4	100.0	100.0	99.8	100.0	100.0	100.0	100.0	100.0
6289.0	1.59008	60.1	81.5	89.6	94.5	79.4	81.0	97.7	83.9	90.1	95.5	99.0	99.6	97.7	97.8	98.2	98.8	99.0	99.3	99.1	100.0	100.0	99.8	100.0	100.0	100.0	100.0	100.0
6289.2	1.59003	63.8	82.4	89.6	95.1	81.5	84.1	98.5	83.8	90.1	95.5	99.0	99.6	98.1	98.1	98.2	98.3	99.0	99.2	99.2	100.0	100.0	99.8	100.0	100.0	100.0	100.0	100.0
6289.4	1.58998	67.3	82.0	90.6	95.5	84.3	87.4	98.5	83.7	90.0	95.4	99.0	99.6	98.5	98.4	98.7	98.9	99.3	99.2	99.4	100.0	100.0	99.8	100.0	100.0	100.0	100.0	100.0
6289.6	1.58993	69.5	79.3	90.6	95.4	86.4	89.5	97.3	83.5	90.0	95.3	97.9	99.6	98.9	98.8	99.2	98.9	99.6	99.4	99.6	100.0	100.0	99.8	100.0	100.0	100.0	100.0	100.0
6289.8	1.58988	68.5	75.9	89.8	94.5	87.3	90.0	95.5	83.4	89.9	95.3	97.9	99.6	99.1	99.2	99.4	99.0	99.8	99.5	99.7	100.0	100.0	99.8	100.0	100.0	100.0	100.0	100.0

Table 4-1 (cont'd)

Sam. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
p(atm)	5.50 x 10^{0}	4.00 x 10^{0}	2.53 x 10^{0}	1.00 x 10^{0}	2.00 x 10^{0}	1.00 x 10^{0}	1.00 x 10^{0}	1.46 x 10^{0}	1.00 x 10^{1}	1.00 x 10^{1}	1.00 x 10^{1}	1.00 x 10^{1}	2.40 x 10^{-1}	2.00 x 10^{-1}	1.16 x 10^{-1}	1.20 x 10^{-2}	5.80 x 10^{-2}	5.76 x 10^{-2}	3.87 x 10^{-2}	6.65 x 10^{-1}	6.65 x 10^{-1}	2.34 x 10^{-2}	2.34 x 10^{-2}	2.34 x 10^{-2}	2.17 x 10^{-1}	2.17 x 10^{-1}	2.17 x 10^{-1}
P_e(atm)	5.47 x 10^{0}	3.98 x 10^{0}	2.51 x 10^{0}	9.29 x 10^{0}	2.62 x 10^{0}	1.31 x 10^{0}	1.31 x 10^{0}	2.01 x 10^{0}	1.36 x 10^{1}	1.36 x 10^{1}	1.36 x 10^{1}	1.36 x 10^{1}	9.99 x 10^{-1}	3.00 x 10^{-1}	1.00 x 10^{-1}	1.001 x 10^{0}	3.03 x 10^{-1}	1.001 x 10^{-1}	5.03 x 10^{-2}	1.31 x 10^{1}	8.65 x 10^{-1}	3.00 x 10^{-1}	1.02 x 10^{-1}	3.04 x 10^{-2}	1.30 x 10^{1}	1.00 x 10^{0}	2.83 x 10^{-1}
u (atm cm) STP	2.17 x 10^{5}	1.16 x 10^{5}	5.57 x 10^{4}	2.80 x 10^{4}	8.71 x 10^{4}	8.62 x 10^{4}	2.19 x 10^{4}	4.73 x 10^{4}	3.16 x 10^{4}	1.59 x 10^{4}	7.91 x 10^{3}	3.99 x 10^{3}	9.94 x 10^{1}	9.94 x 10^{1}	9.94 x 10^{1}	3.32 x 10^{3}	3.32 x 10^{3}	3.32 x 10^{3}	3.32 x 10^{3}	1.01 x 10^{3}	1.01 x 10^{3}	1.01 x 10^{3}	1.01 x 10^{3}	1.01 x 10^{3}	3.30 x 10^{2}	3.30 x 10^{2}	3.30 x 10^{2}

ν (cm^{-1})	λ (micron)	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100
6306.0	1.58579	14.7	19.3	45.1	59.5	37.0	59.9	69.2	37.7	51.1	72.0	89.5	92.4	82.8	94.5	94.9	95.1	95.4	97.7	94.6	98.5	99.0	98.5	99.2	99.4	99.5	99.7	99.9
6306.2	1.58574	12.5	15.9	38.0	52.5	29.2	53.2	63.5	36.3	49.4	70.8	88.1	92.0	78.3	93.9	93.3	92.8	94.4	96.2	94.9	98.5	99.5	97.2	97.7	98.3	99.5	99.6	100.0
6306.4	1.58569	9.7	14.9	33.7	49.5	21.9	45.5	62.1	35.3	47.6	69.5	88.3	91.6	76.4	93.6	91.8	90.8	92.8	95.3	93.8	98.5	99.0	96.2	97.1	98.5	99.5	99.6	100.0
6306.6	1.58564	6.0	17.3	33.6	49.3	19.5	39.4	55.2	34.3	45.9	68.4	88.7	91.2	77.0	93.4	90.7	89.3	91.7	94.5	91.9	98.5	97.5	96.5	95.9	98.4	99.5	99.5	100.0
6306.8	1.58559	5.0	22.4	32.2	54.3	22.2	34.9	52.4	33.1	44.7	67.5	88.4	93.9	81.2	94.6	90.9	89.3	91.5	94.0	91.7	98.5	97.4	96.8	97.1	98.5	99.5	99.5	99.7
6307.0	1.58554	4.8	26.9	37.5	61.2	29.2	34.1	60.9	32.0	44.6	67.2	88.2	90.7	86.5	97.4	91.9	91.0	93.4	95.4	93.6	98.5	97.7	97.4	97.4	98.3	99.5	99.4	99.5
6307.2	1.58549	5.7	29.5	45.7	68.2	38.2	38.7	66.5	30.8	44.7	67.2	88.2	90.7	91.3	97.1	93.3	93.3	95.8	96.7	95.3	98.5	97.8	98.5	98.7	99.2	99.5	99.4	99.5
6307.4	1.58544	7.5	29.8	53.4	70.5	43.8	47.4	68.9	30.1	44.8	67.3	88.2	90.7	94.0	94.6	94.9	96.1	97.7	98.1	97.9	98.4	98.5	99.5	99.1	99.5	99.5	99.4	99.5
6307.6	1.58539	9.6	27.5	51.7	69.4	44.9	55.9	72.3	29.5	44.5	67.2	88.4	90.7	93.2	97.0	96.2	97.4	98.6	98.9	98.4	98.4	98.4	99.7	99.3	99.7	99.5	99.4	99.6
6307.8	1.58534	11.4	22.8	49.5	65.3	41.9	59.7	75.8	29.0	43.7	66.7	88.3	90.5	91.2	97.6	96.9	97.6	99.0	99.1	99.7	98.3	99.1	99.5	99.2	99.5	99.5	99.5	99.7
6308.0	1.58529	11.3	17.4	44.3	58.5	36.1	57.3	67.3	28.5	42.2	65.5	88.0	90.2	85.0	95.1	95.9	96.1	97.5	98.5	99.5	98.3	99.1	98.9	98.6	99.3	99.4	99.6	100.0
6308.2	1.58524	9.5	13.3	35.6	49.5	28.7	52.6	66.8	28.1	41.5	64.3	87.8	89.9	79.0	93.6	94.1	94.7	96.5	97.4	98.2	98.4	98.7	97.7	97.5	98.5	99.4	99.6	100.0
6308.4	1.58519	7.0	10.9	29.9	44.9	20.1	46.1	66.7	27.0	39.6	62.6	87.3	89.3	74.1	92.2	92.1	91.7	93.6	95.2	97.2	98.1	97.4	96.5	95.4	97.9	99.4	99.5	99.9
6308.6	1.58514	5.5	9.3	25.0	41.4	15.3	35.9	56.5	25.3	37.0	61.4	87.0	88.9	71.5	89.2	90.4	87.7	90.7	93.4	95.4	97.8	96.5	95.2	95.3	97.5	99.4	99.4	99.7
6308.8	1.58509	3.6	11.3	22.9	41.2	14.5	32.6	50.1	24.3	35.7	60.2	87.0	88.1	72.5	82.5	89.3	86.5	89.6	93.6	95.4	97.5	96.3	95.9	95.4	97.4	99.4	99.2	99.5
6309.0	1.58504	2.6	14.7	24.2	45.9	17.0	27.7	48.3	23.4	34.6	59.4	87.1	88.3	78.4	82.9	89.3	87.1	90.5	94.1	95.3	97.5	96.2	95.1	97.4	98.1	99.4	99.4	99.7
6309.2	1.58499	2.4	18.1	30.1	53.2	22.5	27.7	47.9	22.8	34.7	59.1	87.2	88.6	85.5	85.3	90.3	89.3	92.3	95.4	96.3	97.8	95.6	97.2	98.2	98.3	99.4	99.1	99.7
6309.4	1.58494	2.5	19.9	35.6	60.7	29.8	33.1	52.2	21.5	34.7	59.1	87.5	89.4	90.4	87.6	92.3	90.6	93.6	96.0	97.2	97.4	95.8	98.4	98.4	98.3	99.4	99.1	99.7
6309.6	1.58489	3.4	22.4	40.6	62.5	33.1	41.2	61.7	21.3	34.7	59.2	87.5	89.2	92.1	89.5	94.3	92.5	94.5	97.5	97.1	97.2	96.2	98.7	98.4	98.5	99.4	99.3	99.8
6309.8	1.58484	4.4	28.0	41.4	60.7	34.1	47.6	66.2	20.4	34.3	59.1	87.5	91.0	95.6	95.3	96.1	94.1	96.4	98.0	97.1	98.5	99.1	99.4	99.4	99.5	99.4	99.5	99.8
6310.0	1.58479	5.0	14.5	39.4	53.8	31.3	50.0	68.4	29.3	38.3	58.4	87.6	89.5	86.5	95.2	95.1	94.8	96.2	97.5	98.1	97.3	98.1	99.0	98.9	99.4	99.3	99.4	99.7
6310.2	1.58474	5.2	10.3	34.4	47.3	25.0	47.4	68.5	29.5	37.8	58.0	87.5	89.5	79.5	93.9	93.9	94.2	94.9	97.1	96.9	98.1	97.5	98.1	98.0	98.9	99.3	99.4	99.6
6310.4	1.58469	4.2	7.4	28.1	42.3	18.1	41.4	63.6	28.6	36.8	57.6	87.4	89.4	73.2	89.4	92.3	92.1	93.7	96.0	96.8	97.2	97.3	97.1	97.1	98.1	99.3	99.4	99.6
6310.6	1.58464	3.3	5.7	22.8	35.4	12.9	33.7	55.5	27.8	36.2	57.3	87.5	89.7	68.5	84.4	89.9	89.5	92.1	94.3	96.7	95.7	95.7	95.6	97.5	98.1	99.3	99.2	99.7
6310.8	1.58459	2.5	5.5	17.6	32.7	9.8	34.4	55.7	26.9	34.5	57.2	87.6	89.1	66.3	81.2	88.2	88.3	91.2	93.5	96.4	95.3	94.8	95.7	97.2	98.3	99.3	99.4	99.8
6311.0	1.58453	1.5	7.3	15.4	34.5	9.3	31.4	48.8	25.3	35.8	61.1	88.0	89.5	68.2	79.5	87.2	82.4	85.8	92.8	96.4	95.	95.1	95.2	97.5	98.2	99.2	98.5	98.7
6311.2	1.58448	1.1	9.3	19.0	39.9	12.2	30.1	46.2	25.3	35.1	60.4	87.9	89.6	74.3	81.8	87.5	84.6	89.3	93.5	96.3	96.7	95.7	97.2	97.9	98.2	99.2	98.4	98.9
6311.4	1.58443	1.1	11.3	23.3	47.4	17.4	32.1	45.4	24.3	35.2	60.3	87.9	89.6	81.5	84.6	88.7	88.2	92.1	95.0	96.1	95.1	97.1	94.6	98.4	98.2	99.2	98.5	98.7
6311.6	1.58438	1.4	11.6	27.4	52.4	21.1	29.1	46.4	24.0	35.2	60.3	87.9	89.6	87.1	89.2	90.5	92.0	93.0	96.1	96.0	96.1	98.1	94.1	99.3	98.1	99.1	98.6	99.1
6311.8	1.58433	1.5	11.0	31.1	52.7	22.5	35.3	52.3	23.6	35.1	60.1	87.9	89.4	88.9	92.9	92.5	94.7	97.2	97.1	96.1	97.1	98.5	97.2	97.3	98.1	99.1	98.4	99.2
6312.0	1.58428	1.8	9.5	30.6	48.0	22.1	38.	55.5	23.1	34.1	59.5	87.9	89.3	86.5	94.9	93.8	95.5	98.2	98.5	96.1	98.4	98.8	99.1	98.1	98.2	99.1	98.1	99.2
6312.2	1.58423	1.9	7.4	25.9	42.4	19.9	37.1	57.5	12.5	32.9	58.4	87.4	89.4	81.2	94.0	93.3	94.6	95.6	98.2	97.4	95.9	97.	98.3	98.2	99.	99.1	98.1	99.2
6312.4	1.58418	1.8	4.9	22.0	36.3	16.1	33.2	49.4	12.0	31.6	46.8	87.8	89.4	74.2	93.9	91.7	91.5	93.9	96.9	96.1	95.1	96.7	97.6	96.5	98.9	99.1	98.4	99.7
6312.6	1.58413	1.4	3.3	19.7	29.5	10.8	27.6	44.7	11.4	30.2	45.2	88.3	89.0	67.3	85.2	89.3	87.1	90.7	94.5	95.4	95.8	95.6	95.3	95.3	97.7	98.9	98.4	99.5
6312.8	1.58408	1.2	2.7	19.2	26.3	7.0	22.	43.7	10.8	29.0	43.4	88.2	89.2	62.4	81.2	86.7	82.7	87.9	93.1	95.6	94.7	94.2	95.5	97.1	98.4	98.4	99.2	99.2
6313.0	1.58403	1.1	2.9	17.5	25.5	5.4	15.7	48.8	10.1	28.1	42.2	88.6	89.7	61.8	79.9	85.2	80.3	85.8	92.2	94.7	95.3	93.5	93.2	95.8	96.8	98.7	98.1	98.7
6313.2	1.58398	1.0	3.8	13.5	31.2	5.8	13.9	37.7	9.3	17.6	41.5	84.2	89.3	66.0	75.7	84.7	85.1	86.0	91.9	95.2	95.1	93.8	93.8	95.4	97.1	98.5	97.4	98.3
6313.4	1.58393	0.9	5.4	14.7	38.4	8.3	14.4	46.9	8.9	17.5	41.4	84.1	89.1	73.5	79.2	85.5	81.7	83.3	92.5	94.6	95.1	94.4	95.7	95.9	97.4	98.5	98.0	98.3
6313.6	1.58388	0.4	5.9	19.1	42.3	11.5	18.5	70.2	8.4	17.3	41.4	84.0	89.1	81.3	83.8	87.0	83.2	81.6	94.3	95.3	95.3	95.0	97.2	97.4	98.2	98.5	98.2	98.4
6313.8	1.58383	0.4	6.1	20.5	44.1	13.9	23.6	68.5	8.1	17.1	41.1	83.7	89.1	86.2	89.2	88.3	91.7	94.7	96.1	95.9	96.3	97.6	98.5	94.9	99.6	98.5	98.6	98.7
6314.0	1.58378	0.3	5.7	21.9	42.4	15.1	27.9	63.3	7.7	15.8	40.5	83.1	89.4	86.4	92.3	90.9	93.9	95.8	97.5	95.8	95.1	97.5	99.0	99.1	99.2	98.5	99.1	99.2
6314.2	1.58373	0.2	4.9	20.4	37.9	14.3	22.7	55.5	7.4	15.2	39.5	82.2	89.3	81.4	93.9	91.8	94.2	95.6	98.2	97.1	95.1	97.5	98.7	98.7	98.2	98.5	99.1	99.5
6314.4	1.58368	0.3	3.1	17.2	31.3	12.8	19.4	46.4	7.3	15.1	38.5	81.1	89.5	74.4	90.7	90.9	91.9	94.9	97.7	97.1	95.3	97.5	97.2	98.2	98.2	98.4	99.1	99.5
6314.6	1.58363	0.	2.1	15.2	25.7	8.5	23.6	41.5	6.7	13.9	36.4	80.5	89.1	67.0	85.2	88.7	87.5	92.0	95.1	94.1	94.8	94.1	95.4	93.9	97.4	98.5	98.2	99.4
6314.8	1.58358	0.	1.6	9.7	21.1	5.7	18.4	38.4	6.8	12.4	35.1	80.5	77.2	61.3	80.7	85.9	81.9	88.2	92.7	94.5	93.1	93.3	95.2	96.2	94.1	98.2	98.4	98.7
6315.	1.58353	0.	1.5	7.8	19.4	3.9	13.7	30.3	5.9	11.4	34.1	80.6	76.3	57.5	75.6	84.1	77.7	83.0	91.5	94.5	92.5	92.3	94.7	96.5	98.3	97.4	98.3	98.7
6315.2	1.58348	0.	1.5	7.0	21.1	3.2	12.6	46.2	5.3	11.3	33.3	80.1	75.7	59.5	73.5	82.3	76.4	83.9	90.2	94.2	92.4	92.3	95.0	96.7	97.3	97.4	97.5	98.7
6315.4	1.58343	0.	1.9	7.7	26.2	3.5	10.2	46.1	4.8	10.9	32.9	80.2	75.9	64.3	74.9	82.7	77.2	85.3	90.6	94.1	93.	93.4	95.9	97.4	97.9	97.4	97.6	97.4
6315.6	1.58338	0.	2.3	9.8	31.1	4.9	12.1	51.9	4.6	10.4	32.8	80.7	75.4	72.0	79.1	83.9	81.2	88.4	92.1	94.3	93.9	94.1	95.3	97.4	98.3	97.9	98.1	98.2
6315.8	1.58333	0.	2.4	13.3	34.2	6.4	14.6	52.5	4.9	10.4	32.6	80.7	75.4	78.5	84.6	86.1	85.9	90.4	94.1	95.4	93.9	95.	97.5	98.0	98.4	98.2	98.4	98.7
6316.	1.58328	0.	2.4	13.5	34.2	7.5	17.6	59.1	3.8	10.6	32.1	80.4	75.2	81.2	88.3	88.4	90.9	94.7	96.3	95.7	93.8	95.6	98.3	98.5	99.2	97.8	98.6	99.1
6316.2	1.58323	0.	2.9	13.2	31.1	8.1	19.4	53.3	3.5	10.2	31.4	80.2	74.7	81.7	90.2	89.4	92.3	95.5	97.0	96.2	93.8	95.4	98.3	98.4	98.4	97.8	98.6	99.4
6316.4	1.58318	0.	1.6	11.9	27.1	7.9	13.6	44.6	3.4	9.5	30.1	80.1	74.8	78.4	89.8	89.3	91.4	94.7	97.1	95.1	93.5	95.2	97.9	97.4	98.4	97.7	98.5	99.5
6316.6	1.58313	0.	1.3	9.0	26.0	6.5	15.1	47.8	3.3	9.7	28.4	79.5	73.1	72.4	85.8	87.9	88.1	92.0	95.7	94.1	93.3	94.7	96.2	95.4	97.7	97.6	97.8	98.7
6316.8	1.58308	0.	1.3	5.4	16.6	4.7	12.6	33.7	3.1	9.7	27.6	79.1	72.2	65.7	81.2	85.1	82.6	87.4	93.7	93.9	93.1	93.6	95.1	97.	97.6	97.6	97.7	98.1
6317.	1.58303	0.	0.9	5.1	14.5	2.8	9.5	33.1	3.0	7.8	26.4	78.6	71.6	58.7	75.4	83.1	79.8	84.7	91.7	93.1	92.7	91.6	93.4	96.2	97.5	97.6	97.5	97.6
6317.2	1.58298	0.	0.9	4.2	14.5	1.8	5.4	37.5	2.9	6.4	25.8	78.1	71.7	54.2	72.1	81.4	78.2	82.6	89.4	92.5	92.2	91.5	93.4	95.7	97.4	97.5	97.4	97.7
6317.4	1.58293	0.	1.0	4.5	18.2	1.7	5.3	45.8	2.7	5.8	25.1	77.8	70.4	53.5	70.7	80.9	78.5	82.6	89.2	92.3	92.1	91.5	93.4	95.8	97.3	97.5	97.2	97.7
6317.6	1.58288	0.	1.0	5.1	22.4	2.3	7.4	52.5	2.6	5.6	24.3	77.3	69.2	57.1	72.1	81.5	78.5	82.6	89.4	92.4	92.3	91.5	93.5	95.1	97.1	97.5	97.4	97.7
6317.8	1.58283	0.	1.1	4.8	25.5	3.1	9.5	55.0	2.4	5.5	24.3	77.1	70.6	64.7	77.9	83.4	80.3	83.4	91.5	94.0	92.8	92.	95.7	97.5	98.1	97.5	97.7	98.1
6318.	1.58278	0.	1.2	7.4	26.6	3.5	13.1	53.2	2.3	5.3	24.5	77.1	73.5	73.5	83.6	85.5	86.6	93.	94.4	96.1	93.2	93.1	95.7	98.4	98.5	97.7	98.1	98.7
6318.2	1.58273	0.	1.1	8.2	24.9	4.3	13.6	46.6	2.2	5.4	24.2	77.2	77.2	79.2	87.2	87.3	90.1	94.4	95.9	97.0	92.2	93.1	95.7	98.4	98.5	97.8	98.1	98.7
6318.4	1.58268	0.	0.9	7.7	21.0	4.3	12.4	39.1	2.1	5.8	23.9	77.4	79.2	76.2	87.9	87.5	90.5	94.5	95.	96.1	91.4	93.1	95.7	97.9	98.	97.8	98.1	98.7
6318.6	1.58263	0.	0.8	5.5	16.8	3.7	11.4	32.5	2.0	5.2	24.0	77.6	78.2	70.9	85.6	86.4	88.5	93.2	94.5	95.8	91.6	92.8	95.1	97.5	97.8	97.8	98.1	98.7
6318.8	1.58258	0.	0.7	4.9	12.8	2.7	9.1	28.5	1.9	4.8	23.4	77.3	77.3	62.3	82.8	84.3	85.5	91.5	93.7	95.2	91.2	92.4	94.9	97.	97.6	97.8	98.1	98.7

A319.	1.58253	0.	0.5	[illegible]	10.7	1.7	4.1	27.3	1.5	4.4	19.3	44.0	65.4	52.5	73.5	81.3	79.1	93.8	90.4	93.6	91.1	[illegible]	90.3	[illegible]	96.0	96.9	95.7	97.7
A319.2	1.58248	0.	0.5	2.	10.4	1.5	[illegible]	32.3	1.5	4.1	[illegible]	43.3	65.6	49.1	57.6	79.5	71.3	91.2	89.1	93.7	90.3	[illegible]	89.7	93.1	95.9	96.9	95.2	97.2
A319.4	1.58243	0.	[illegible]	2.4	13.1	1.2	[illegible]	39.2	1.5	[illegible]	18.7	42.6	65.1	50.1	58.2	78.5	69.3	90.5	88.2	92.5	90.5	[illegible]	90.2	94.0	96.1	96.8	95.9	96.9
A319.6	1.58238	0.	[illegible]	2.4	16.1	1.1	[illegible]	45.5	1.4	3.5	18.5	42.4	64.9	53.9	59.5	79.3	71.3	92.1	88.5	92.4	90.4	[illegible]	91.9	95.7	97.1	96.9	95.0	96.3
A319.8	1.58233	0.	0.5	[illegible]	18.5	1.2	5.2	48.2	1.4	[illegible]	18.3	42.2	64.9	58.9	74.4	81.7	76.9	94.8	90.4	92.9	90.3	93.2	94.5	97.5	98.5	96.7	95.3	97.8
A320.	1.58228	0.	0.5	4.2	19.2	1.5	7.5	46.5	1.3	3.6	18.0	42.0	64.9	66.7	80.2	83.5	83.5	93.5	92.9	95.6	90.2	94.5	96.7	99.1	98.9	96.7	95.9	97.9
A320.2	1.58223	0.	0.4	4.4	18.3	1.7	7.5	42.4	1.2	3.6	17.3	41.7	64.9	71.7	84.0	85.1	87.5	92.6	94.9	94.3	90.1	94.5	97.1	98.3	98.3	96.7	97.6	98.5
A320.4	1.58218	0.	0.4	4.1	15.4	1.7	7.7	36.0	1.0	3.3	17.4	41.7	64.0	72.3	83.0	85.5	87.9	93.4	95.7	94.9	89.9	93.5	97.0	97.1	98.4	96.7	98.0	98.3
A320.6	1.58213	0.	0.4	3.5	11.7	1.7	7.1	29.2	1.0	3.1	16.5	39.4	63.1	68.5	82.9	85.0	84.2	91.9	95.0	92.1	89.3	91.5	95.5	95.7	97.7	96.7	97.8	98.7
A320.8	1.58208	0.	0.4	2.5	8.7	1.4	5.8	24.9	0.9	2.8	15.7	39.2	62.2	62.9	75.1	82.7	78.9	87.9	92.7	94.4	89.5	89.4	92.2	94.0	96.5	96.7	97.1	98.3
A321.	1.58203	0.	0.4	1.9	7.5	1.2	3.9	25.1	0.9	2.6	14.7	35.5	61.3	54.1	72.6	80.4	72.9	93.6	90.1	93.1	89.2	97.7	89.9	92.8	96.0	96.5	95.2	97.4
A321.2	1.58198	0.	0.3	1.5	7.4	1.1	3.2	29.3	0.9	2.4	14.5	35.6	60.6	48.0	59.1	78.5	68.5	91.2	88.1	91.6	88.9	97.1	88.7	92.6	95.7	96.5	95.5	96.7
A321.4	1.58193	0.	0.3	1.3	9.5	0.9	3.1	35.1	0.8	2.2	13.5	35.1	59.8	45.9	55.0	77.5	66.9	79.1	87.1	91.6	88.5	97.4	89.5	93.6	96.2	96.5	95.1	96.2
A321.6	1.58188	0.	0.3	1.5	11.5	0.7	3.5	40.2	0.7	2.2	13.3	35.9	59.5	47.9	57.4	77.9	69.4	91.4	87.5	91.6	88.4	[illegible]	91.5	95.7	97.3	96.5	95.1	96.0
A321.8	1.58183	0.	0.3	1.8	13.2	0.7	3.5	41.3	0.7	2.2	13.2	35.8	59.5	57.1	73.0	79.9	75.7	85.0	89.9	92.4	88.2	[illegible]	94.1	97.7	98.2	96.4	95.6	96.3
A322.0	1.58178	0.	0.2	2.0	13.5	0.7	4.1	38.5	0.7	2.1	13.1	35.7	59.5	64.5	78.9	81.9	82.4	90.2	92.2	95.4	88.1	[illegible]	96.2	98.2	98.9	96.4	95.4	97.0
A322.2	1.58173	0.	0.2	2.1	12.7	0.7	4.3	33.5	0.7	2.1	13.0	35.4	59.5	68.2	82.2	83.1	86.1	91.9	94.0	94.0	88.0	[illegible]	96.3	97.4	98.5	96.3	97.1	97.9
A322.4	1.58168	0.	0.2	1.8	10.5	0.7	4.1	27.9	0.7	2.0	12.5	34.6	59.8	67.9	82.2	83.3	85.5	90.9	94.7	94.3	87.3	[illegible]	95.5	95.1	97.9	96.3	97.5	98.4
A322.6	1.58163	0.	0.2	1.6	7.5	0.7	3.6	23.0	0.5	1.9	12.0	33.6	58.0	64.3	79.8	82.3	80.5	87.9	93.5	94.1	87.7	[illegible]	93.1	95.1	97.0	96.2	97.6	98.5
A322.8	1.58158	0.	0.1	1.1	5.9	0.5	3.0	20.5	0.4	1.8	11.4	32.5	57.1	55.4	72.1	79.2	74.5	93.2	91.1	95.3	87.3	[illegible]	90.4	93.2	96.1	96.1	95.8	97.7
A323.	1.58153	0.	0.0	[illegible]	5.2	0.5	2.4	21.5	0.5	1.7	10.5	31.4	55.3	47.9	55.8	76.9	68.5	79.5	88.3	92.1	87.0	[illegible]	88.2	92.4	95.5	96.0	95.8	96.7
A323.2	1.58148	0.	0.	0.7	5.2	0.5	2.0	25.3	0.5	1.5	10.2	30.7	53.5	43.0	53.3	75.3	64.5	77.2	86.4	90.9	86.7	[illegible]	87.7	92.6	95.5	95.9	94.9	95.9
A323.4	1.58143	0.	0.	0.7	6.0	0.4	1.8	31.5	0.4	1.5	9.3	30.1	54.8	41.7	52.2	74.5	63.9	77.0	85.7	90.4	86.5	[illegible]	89.0	93.9	96.4	95.8	94.4	95.2
A323.6	1.58138	0.	0.	0.7	8.0	0.2	1.9	34.5	0.4	1.5	9.7	29.9	54.4	44.3	54.9	75.1	67.3	80.5	86.4	90.7	86.4	[illegible]	91.2	95.7	97.5	95.8	94.4	95.2
A323.8	1.58133	0.	0.	0.8	9.0	0.1	[illegible]	35.5	0.3	1.5	9.5	29.8	54.3	52.2	70.5	77.3	[illegible]	85.1	88.9	91.5	86.2	[illegible]	94.0	97.1	98.1	95.7	95.1	95.7
A324.	1.58128	0.	0.	0.9	9.5	0.	2.8	33.4	0.2	1.4	9.4	29.8	54.2	59.8	75.3	79.7	81.3	89.1	91.7	92.9	86.1	[illegible]	96.2	97.4	98.4	95.7	95.9	96.5
A324.2	1.58123	0.	0.	0.9	9.1	0.	2.9	29.0	0.1	1.3	9.3	29.5	54.1	64.1	79.8	81.3	84.1	90.9	93.5	93.5	86.0	[illegible]	96.4	95.7	98.1	95.5	95.6	97.4
A324.4	1.58118	0.	0.	0.8	7.5	0.	2.6	23.2	0.	1.1	9.0	29.0	53.7	63.0	79.5	81.1	82.4	89.7	93.9	93.6	85.9	[illegible]	94.8	95.0	97.1	95.5	97.0	98.1
A324.6	1.58113	0.	0.	0.8	5.7	0.	2.2	19.4	0.	1.1	8.5	28.4	53.1	56.7	72.7	78.9	76.4	85.7	92.0	93.1	85.7	[illegible]	91.5	93.1	96.0	95.4	95.8	98.0
A324.8	1.58108	0.	0.	0.6	4.5	0.	1.7	16.9	0.	1.0	8.2	27.5	52.1	49.2	57.0	75.5	69.5	91.8	89.1	91.8	85.4	[illegible]	88.9	91.7	95.3	95.3	95.1	97.3
A325.	1.58103	0.	0.	0.4	3.3	0.	1.2	16.7	0.	0.9	7.3	25.4	51.2	42.4	52.1	73.3	63.3	75.9	86.5	[illegible]	85.1	[illegible]	87.0	91.6	95.5	95.1	95.2	96.3
A325.2	1.58098	0.	0.	0.4	3.5	0.	1.0	19.3	0.	0.9	7.4	25.6	50.4	38.1	55.8	71.9	60.5	75.1	85.0	[illegible]	84.9	93.4	86.3	91.6	95.5	95.0	94.3	95.4
A325.4	1.58093	0.	0.	0.4	4.3	0.	1.1	25.3	0.	0.9	7.0	25.2	49.9	37.9	59.2	71.9	61.3	75.9	84.3	[illegible]	84.7	[illegible]	88.3	93.7	96.5	95.0	93.7	94.5
A325.6	1.58088	0.	0.	0.4	5.4	0.	1.4	29.0	0.	0.8	6.3	24.9	49.6	44.1	54.2	74.3	65.7	80.4	86.2	[illegible]	84.5	[illegible]	90.3	95.9	97.4	94.9	93.6	94.7
A325.8	1.58083	0.	0.	0.4	6.3	0.	1.7	30.2	0.	0.7	6.7	24.7	49.4	52.5	70.6	77.2	73.5	85.6	88.7	[illegible]	84.4	[illegible]	93.5	97.4	98.1	94.9	94.2	95.4
A326.	1.58078	0.	0.	0.5	6.4	0.	1.9	28.9	0.	0.7	6.5	24.6	49.3	59.3	73.9	78.5	80.5	89.4	91.5	92.4	84.3	[illegible]	95.8	97.9	98.3	94.8	95.1	96.5
A326.2	1.58073	0.	0.	0.5	6.2	0.	2.0	25.1	0.	0.7	6.5	24.4	49.2	61.1	78.1	78.9	82.7	90.3	93.8	92.6	84.2	[illegible]	95.5	95.4	97.7	94.9	95.9	97.2
A326.4	1.58068	0.	0.	0.4	5.2	0.	1.7	19.5	0.	0.6	6.4	24.2	49.0	57.3	74.5	77.0	77.7	87.8	92.9	92.6	84.1	[illegible]	93.5	[illegible]	96.4	94.7	95.3	97.7
A326.6	1.58063	0.	0.	0.4	3.5	0.	1.2	15.5	0.	0.6	6.0	23.7	48.5	51.3	55.6	74.9	71.0	82.1	90.0	[illegible]	83.9	[illegible]	90.7	92.5	95.2	94.5	95.1	97.5
A326.8	1.58058	0.	0.	0.3	2.8	0.	0.9	13.5	0.	0.5	5.3	23.0	47.7	43.7	52.0	72.3	64.3	75.8	86.9	91.4	83.6	[illegible]	87.4	91.2	94.3	94.5	95.4	96.3
A327.	1.58053	0.	0.	0.1	2.4	0.	0.7	14.1	0.	0.5	5.5	[illegible]	45.8	36.7	55.6	70.1	59.1	73.5	84.2	[illegible]	83.3	[illegible]	85.5	[illegible]	94.2	94.4	94.4	95.7
A327.2	1.58048	0.	0.	0.1	2.4	0.	0.7	17.5	0.	0.5	5.3	[illegible]	45.0	34.1	53.3	69.5	57.5	72.8	[illegible]	[illegible]	83.0	[illegible]	85.5	[illegible]	95.2	94.4	93.5	94.5
A327.4	1.58043	0.	0.	0.0	3.0	0.	0.6	22.3	0.	0.5	5.1	[illegible]	45.5	37.0	59.6	71.5	61.3	[illegible]	83.9	[illegible]	82.3	[illegible]	88.0	93.5	96.9	94.3	92.9	94.0
A327.6	1.58038	0.	0.	0.	4.0	0.	1.9	25.3	0.	0.4	5.0	[illegible]	45.3	43.7	55.2	74.3	68.5	91.9	86.7	[illegible]	82.7	[illegible]	91.5	[illegible]	[illegible]	94.2	[illegible]	94.1
A327.8	1.58033	0.	0.	0.	4.4	0.	1.2	26.3	0.	0.3	4.9	21.6	43.2	51.5	72.2	76.7	76.2	[illegible]	90.1	91.2	82.5	[illegible]	94.5	[illegible]	98.3	94.2	93.6	94.3
A328.	1.58028	0.	0.	0.	4.5	0.	1.4	24.5	0.	0.2	4.9	25.6	43.0	57.9	75.7	77.7	81.2	99.9	92.3	[illegible]	82.4	[illegible]	95.2	95.0	97.2	94.0	94.6	95.7
A328.2	1.58023	0.	0.	0.	4.2	0.	1.3	20.5	0.	0.	4.7	21.4	44.9	55.7	74.0	76.3	78.1	97.5	93.2	[illegible]	82.4	[illegible]	93.7	95.1	96.7	93.9	95.6	97.0
A328.4	1.58018	0.	0.	0.	3.2	0.	1.0	15.3	0.	0.	4.5	21.0	44.7	49.3	59.5	74.1	71.5	92.7	90.5	[illegible]	82.3	[illegible]	91.0	93.2	95.1	93.8	95.9	97.3
A328.6	1.58013	0.	0.	0.	2.3	0.	0.7	12.4	0.	0.	4.4	19.6	44.0	42.0	51.4	71.0	64.1	77.1	86.3	[illegible]	82.0	[illegible]	87.5	91.2	94.2	93.7	95.6	[illegible]
A328.8	1.58008	0.	0.	0.	2.0	0.	0.5	11.2	0.	0.	4.2	19.1	43.3	35.3	54.8	68.5	57.7	72.3	83.1	[illegible]	81.7	[illegible]	84.9	90.2	94.0	93.7	93.6	96.1
A329.	1.58003	0.	0.	0.	1.7	0.	0.4	12.5	0.	0.	4.1	14.6	42.6	30.9	52.1	67.4	54.9	70.9	81.3	[illegible]	81.4	[illegible]	84.4	90.0	94.3	93.5	93.1	94.4
A329.2	1.57998	0.	0.	0.	1.9	0.	0.4	17.4	0.	0.	3.9	14.0	42.3	33.3	53.7	69.3	57.9	73.8	82.0	[illegible]	81.2	[illegible]	85.5	91.8	95.0	93.6	92.2	94.0
A329.4	1.57993	0.	0.	0.	2.4	0.	0.6	21.1	0.	0.	3.7	17.6	41.8	39.4	50.7	72.1	64.9	79.2	85.0	[illegible]	81.0	[illegible]	89.0	94.6	97.0	93.5	91.9	93.7
A329.6	1.57988	0.	0.	0.	2.9	0.	0.8	23.3	0.	0.	3.5	17.5	41.6	47.5	59.1	74.9	72.9	93.1	88.9	[illegible]	80.9	[illegible]	92.5	95.2	98.1	93.5	92.5	94.0
A329.8	1.57983	0.	0.	0.	3.0	0.	1.0	23.5	0.	0.	3.5	[illegible]	41.6	55.1	74.9	76.7	78.9	99.2	92.5	[illegible]	80.4	[illegible]	95.0	97.5	98.0	93.5	93.5	94.3
A330.	1.57978	0.	0.	0.	3.0	0.	1.1	21.0	0.	0.	3.4	17.5	41.5	54.5	72.8	75.7	77.7	95.1	93.1	[illegible]	80.7	[illegible]	94.1	95.6	96.9	93.4	94.5	95.9
A330.2	1.57973	0.	0.	0.	2.3	0.	1.0	16.3	0.	0.	3.3	17.5	41.3	50.0	57.4	72.5	71.9	93.8	90.9	[illegible]	80.5	[illegible]	91.5	93.0	95.5	93.3	95.2	96.7
A330.4	1.57968	0.	0.	0.	2.0	0.	0.9	13.0	0.	0.	3.2	17.2	41.0	42.3	59.8	69.4	64.1	75.4	85.2	[illegible]	80.5	[illegible]	88.3	91.4	94.4	93.2	95.2	96.9
A330.6	1.57963	0.	0.	0.	1.7	0.	0.7	10.3	0.	0.	3.1	16.8	40.5	34.5	52.5	67.0	56.5	71.1	82.4	[illegible]	80.2	[illegible]	85.4	90.0	93.5	93.1	94.7	96.3
A330.8	1.57958	0.	0.	0.	1.5	0.	0.5	10.5	0.	0.	3.0	15.3	39.8	29.5	49.4	65.7	52.7	69.3	80.5	[illegible]	79.9	[illegible]	83.3	89.7	93.4	93.0	[illegible]	95.3
A331.	1.57953	0.	0.	0.	1.5	0.	0.2	14.9	0.	0.	2.9	[illegible]	39.4	31.1	52.0	67.0	55.4	72.8	81.2	[illegible]	79.5	[illegible]	84.3	91.0	94.4	92.9	[illegible]	94.2
A331.2	1.57948	0.	0.	0.	1.5	0.	0.1	18.5	0.	0.	2.9	[illegible]	39.1	35.9	59.0	70.5	62.3	73.2	84.5	[illegible]	79.4	[illegible]	87.4	94.2	96.2	92.9	91.5	93.4
A331.4	1.57943	0.	0.	0.	2.0	0.	0.	[illegible]	0.	0.	2.5	[illegible]	39.0	43.0	57.4	74.2	71.2	84.0	88.7	[illegible]	79.4	[illegible]	90.4	95.7	97.5	92.9	[illegible]	93.4
A331.6	1.57938	0.	0.	0.	2.2	0.	0.	21.5	0.	0.	[illegible]	[illegible]	38.9	51.1	73.9	76.3	77.1	99.2	92.1	[illegible]	79.3	[illegible]	93.9	97.2	97.4	92.9	92.6	94.1
A331.8	1.57933	0.	0.	0.	2.2	0.	0.	19.4	0.	0.	[illegible]	[illegible]	38.7	52.9	73.5	74.9	75.5	95.2	92.4	[illegible]	79.1	[illegible]	94.9	95.1	97.2	92.8	[illegible]	95.5
A332.	1.57928	0.	0.	0.	2.1	0.	0.	15.1	0.	0.	2.5	[illegible]	38.7	48.5	57.3	71.5	69.5	[illegible]	[illegible]	[illegible]	79.2	[illegible]	92.8	93.6	95.5	92.7	[illegible]	96.3
A332.2	1.57923	0.	0.	0.	1.9	0.	0.	12.5	0.	0.	2.5	[illegible]	38.4	41.5	59.5	68.3	61.3	[illegible]	85.2	[illegible]	79.2	[illegible]	88.5	[illegible]	93.3	92.5	[illegible]	95.5
A332.4	1.57918	0.	0.	0.	1.5	0.	0.	10.1	0.	0.	2.5	[illegible]	38.4	34.2	52.5	65.9	54.3	59.9	51.2	[illegible]	79.1	[illegible]	84.9	89.0	93.1	92.5	94.9	96.4
A332.6	1.57913	0.	0.	0.	1.4	0.	0.	9.3	0.	0.	2.4	14.5	39.0	28.8	49.7	65.2	51.5	57.8	78.3	[illegible]	78.8	[illegible]	83.0	88.9	[illegible]	92.5	[illegible]	95.4
A332.8	1.57908	0.	0.	0.	1.2	0.	0.	11.4	0.	0.	2.4	14.5	37.6	29.3	51.9	66.7	53.5	72.6	[illegible]	[illegible]	78.5	[illegible]	83.1	90.1	95.9	92.5	92.5	94.0
A333.	1.57903	0.	0.	0.	1.4	0.	0.	15.4	0.	0.	2.4	[illegible]	37.1	35.4	[illegible]	70.2	59.9	[illegible]	83.5	[illegible]	78.5	[illegible]	85.7	[illegible]	95.4	92.5	91.5	93.3
A333.2	1.57898	0.	0.	0.	1.5	0.	0.	18.9	0.	0.	2.5	[illegible]	35.8	43.4	55.7	73.5	68.4	[illegible]	87.9	[illegible]	78.5	[illegible]	88.4	94.5	97.5	92.5	[illegible]	93.0
A333.4	1.57893	0.	0.	0.	1.5	0.	0.	[illegible]	0.	0.	2.4	[illegible]	35.7	51.2	73.1	75.3	75.2	[illegible]	[illegible]	[illegible]	78.2	[illegible]	92.7	95.5	98.2	92.5	91.5	93.2
A333.6	1.57888	0.	0.	0.	1.3	0.	0.	19.1	0.	0.	2.3	[illegible]	35.6	50.9	72.4	74.4	74.4	[illegible]	[illegible]	[illegible]	78.2	[illegible]	94.5	[illegible]	97.5	92.5	[illegible]	94.5
A333.8	1.57883	0.	0.	0.	[illegible]	0.	0.	15.3	0.	0.	2.3	[illegible]	[illegible]	46.2	55.5	71.9	68.5	[illegible]	[illegible]	[illegible]	78.1	[illegible]	93.1	[illegible]	97.0	92.5	93.5	95.3
A334.	1.57878	0.	0.	0.	1.5	0.	0.	12.4	0.	0.	2.2	[illegible]	34.5	39.8	53.8	69.1	61.8	74.5	86.2	[illegible]	[illegible]	[illegible]	90.3	[illegible]	[illegible]	92.4	[illegible]	96.5
A334.2	1.57873	0.	0.	0.	1.4	0.	0.	[illegible]	0.	0.	2.2	[illegible]	34.5	33.2	51.9	67.0	55.5	69.9	82.4	[illegible]	77.9	[illegible]	87.0	[illegible]	[illegible]	92.4	[illegible]	96.5
A334.4	1.57868	0.	0.	0.	[illegible]	0.	0.	5.3	0.	0.	2.2	[illegible]	34.4	27.7	48.7	65.3	51.2	65.1	80.1	[illegible]	77.9	[illegible]	83.7	[illegible]	[illegible]	92.3	93.8	95.5
A334.6	1.57863	0.	0.	0.	1.2	0.	0.	[illegible]	0.	0.	2.2	[illegible]	35.1	28.3	51.5	68.1	53.4	71.5	80.4	[illegible]	77.9	[illegible]	83.2	[illegible]	[illegible]	92.3	[illegible]	[illegible]
A334.8	1.57858	0.	0.	0.	1.1	0.	0.	[illegible]	0.	0.	2.2	[illegible]	35.8	34.3	53.1	70.9	59.7	75.5	83.2	[illegible]	77.9	[illegible]	84.5	[illegible]	[illegible]	92.2	[illegible]	[illegible]

Table 4-1 (cont'd)

[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	7	[illegible]	[illegible]	[illegible]	11	[illegible]	13	[illegible]	[illegible]	16	17	[illegible]	19	20	21	22	23	24	25	26	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	1.00×10^{0}	1.00×10^{0}	1.00×10^{0}	[illegible]	1.06×10^{1}	[illegible]	1.06×10^{1}	[illegible]	[illegible]	[illegible]	[illegible]	7.70×10^{-2}	7.70×10^{-2}	7.70×10^{-2}	3.87×10^{-2}	6.65×10^{-1}	6.65×10^{-1}	2.34×10^{-2}	2.34×10^{-2}	2.34×10^{-2}	2.17×10^{-1}	2.17×10^{-1}	2.17×10^{-1}
P_e (atm)		[illegible]	[illegible]	[illegible]	[illegible]	2.62×10^{0}	1.31×10^{0}	1.31×10^{0}	2.03×10^{1}	1.36×10^{1}	1.36×10^{1}	1.36×10^{1}	1.36×10^{1}	9.99×10^{-1}	3.30×10^{-1}	[illegible]	1.001×10^{0}	3.03×10^{-1}	1.001×10^{-1}	5.03×10^{-2}	1.31×10^{1}	8.65×10^{-1}	3.00×10^{-1}	1.02×10^{-1}	3.04×10^{-2}	1.30×10^{1}	1.00×10^{0}	[illegible]
u (atm cm) STP		[illegible]	1.10×1	[illegible]	[illegible]	4.71×10^{4}	[illegible]	2.19×10^{4}	4.73×10^{4}	3.16×10^{4}	1.59×10^{4}	[illegible]	3.99×10^{3}	9.94×10^{3}	9.94×10^{3}	9.94×10^{3}	3.32×10^{3}	3.32×10^{3}	3.32×10^{3}	3.32×10^{3}	1.01×10^{3}	1.01×10^{3}	1.01×10^{3}	1.01×10^{3}	1.01×10^{3}	3.30×10^{2}	3.30×10^{2}	3.30×10^{2}
(cm^{-1})	λ (micron)	T x 100	j x 100	F x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100
6335.	1.57853	0.	0.	0.	1.4	0.	0.	17.1	0.	0.	2.1	[illegible]	35.7	42.4	55.9	73.4	67.9	92.2	[illegible]	[illegible]	77.9	[illegible]	88.3	94.6	[illegible]	92.2	90.0	92.4
6335.2	1.57848	0.	0.	0.	1.5	0.	0.	16.9	0.	0.	2.0	[illegible]	35.7	49.5	72.2	75.1	75.0	95.9	91.1	[illegible]	77.9	[illegible]	92.5	95.6	[illegible]	92.2	91.0	93.5
6335.4	1.57843	0.	0.	0.	1.5	0.	0.	18.5	0.	0.	[illegible]	[illegible]	35.7	51.0	72.7	74.2	74.7	95.4	92.3	[illegible]	77.8	[illegible]	94.4	95.7	97.2	92.2	92.1	94.4
6335.6	1.57838	0.	0.	0.	1.5	0.	0.	15.4	0.	0.	[illegible]	[illegible]	[illegible]	47.3	53.1	71.4	69.0	79.5	90.5	[illegible]	77.4	[illegible]	93.0	93.9	[illegible]	92.2	[illegible]	[illegible]
6335.8	1.57833	0.	0.	0.	1.5	0.	0.	12.0	0.	0.	[illegible]	[illegible]	35.8	40.9	50.3	68.3	62.1	74.1	86.1	[illegible]	77.8	[illegible]	89.3	91.6	[illegible]	92.1	94.3	96.2
6336.	1.57828	0.	0.	0.	1.5	0.	0.	9.4	0.	0.	[illegible]	[illegible]	35.9	33.5	52.2	65.5	54.5	59.3	[illegible]	[illegible]	77.7	[illegible]	85.7	89.5	[illegible]	92.1	94.4	96.0
6336.2	1.57823	0.	0.	0.	1.0	0.	0.	8.5	0.	0.	2.0	[illegible]	35.9	27.2	47.0	64.0	50.4	55.6	77.9	[illegible]	77.7	[illegible]	82.8	88.4	[illegible]	92.1	93.7	95.0
6336.4	1.57818	0.	0.	0.	0.9	0.	0.	10.7	0.	0.	2.0	[illegible]	35.7	27.4	43.2	65.9	52.2	70.4	[illegible]	[illegible]	77.7	[illegible]	82.2	88.5	93.2	92.1	92.5	93.5
6336.6	1.57813	0.	0.	0.	1.0	0.	0.	13.3	0.	0.	2.0	[illegible]	35.7	31.7	55.1	69.2	58.4	77.1	[illegible]	[illegible]	77.7	[illegible]	85.2	91.7	[illegible]	92.1	91.4	92.7
6336.8	1.57808	0.	0.	0.	1.1	0.	0.	16.7	0.	0.	2.0	[illegible]	35.7	39.5	54.7	71.3	67.3	83.2	86.2	[illegible]	77.7	[illegible]	89.3	95.3	96.9	92.1	91.6	92.5
6337.	1.57803	0.	0.	0.	1.5	0.	0.	18.5	0.	0.	2.0	[illegible]	35.6	47.3	71.6	73.4	74.1	85.1	90.9	[illegible]	77.7	[illegible]	93.1	95.2	[illegible]	92.1	91.2	93.2
6337.2	1.57798	0.	0.	0.	1.5	0.	0.	19.5	0.	0.	2.0	[illegible]	[illegible]	49.9	71.4	72.4	73.9	83.0	91.7	[illegible]	77.7	[illegible]	93.3	95.1	95.9	92.1	92.5	94.4
6337.4	1.57793	0.	0.	0.	1.5	0.	0.	15.5	0.	0.	2.0	[illegible]	36.0	44.7	64.0	69.1	66.3	75.7	87.1	[illegible]	77.7	[illegible]	91.2	92.2	[illegible]	92.1	93.7	95.5
6337.6	1.57788	0.	0.	0.	1.3	0.	0.	12.0	0.	0.	1.9	13.1	34.2	37.4	55.4	65.4	59.0	70.3	82.5	[illegible]	77.8	[illegible]	86.7	[illegible]	[illegible]	92.1	94.2	96.0
6337.8	1.57783	0.	0.	0.	1.1	0.	0.	9.3	0.	0.	1.9	13.1	34.3	30.5	43.4	52.3	52.3	65.4	78.8	[illegible]	77.9	[illegible]	83.1	88.4	[illegible]	92.2	94.1	95.5
6338.	1.57779	0.	0.	0.	1.0	0.	0.	8.7	0.	0.	1.9	15.1	[illegible]	26.7	45.3	62.4	50.1	[illegible]	77.2	[illegible]	78.0	[illegible]	82.0	[illegible]	92.4	92.2	93.4	94.5
6338.2	1.57774	0.	0.	0.	1.0	0.	0.	[illegible]	0.	0.	2.0	15.2	35.4	28.5	43.8	65.5	52.9	[illegible]	79.1	[illegible]	78.0	[illegible]	83.1	89.6	[illegible]	92.2	92.1	93.5
6338.4	1.57769	0.	0.	0.	1.1	0.	0.	[illegible]	0.	0.	2.0	15.3	34.5	35.3	59.1	69.4	61.1	79.7	83.5	[illegible]	78.1	[illegible]	86.3	[illegible]	95.1	92.3	91.4	93.0
6338.6	1.57764	0.	0.	0.	1.3	0.	0.	[illegible]	0.	0.	2.0	15.5	34.6	43.2	55.9	71.7	69.3	84.8	[illegible]	[illegible]	78.2	[illegible]	90.3	[illegible]	97.2	92.3	91.2	93.1
6338.8	1.57759	0.	0.	0.	[illegible]	0.	0.	[illegible]	0.	0.	2.0	15.6	34.9	48.7	71.5	72.5	73.8	84.3	[illegible]	[illegible]	78.3	[illegible]	93.3	[illegible]	96.5	92.4	[illegible]	93.4
6339.	1.57754	0.	0.	0.	[illegible]	0.	0.	17.7	0.	0.	2.0	[illegible]	37.2	48.5	59.3	71.7	71.5	79.7	90.1	[illegible]	78.4	[illegible]	91.0	93.6	[illegible]	92.4	93.0	95.1
6339.2	1.57749	0.	0.	0.	1.5	0.	0.	14.4	0.	0.	[illegible]	[illegible]	37.7	42.5	51.2	67.5	62.9	72.9	65.2	[illegible]	78.5	[illegible]	88.3	91.3	[illegible]	92.5	[illegible]	96.0
6339.4	1.57744	0.	0.	0.	1.4	0.	0.	11.2	0.	0.	2.0	[illegible]	35.0	34.4	52.4	64.7	56.1	59.6	[illegible]	[illegible]	78.8	[illegible]	85.5	89.3	93.2	92.5	94.3	96.1
6339.6	1.57739	0.	0.	0.	1.2	0.	0.	9.4	0.	0.	2.1	14.7	38.3	28.3	45.9	63.4	52.5	57.2	78.4	[illegible]	79.0	[illegible]	82.7	89.5	92.3	92.5	94.0	95.5
6339.8	1.57734	0.	0.	0.	1.0	0.	0.	9.2	0.	0.	2.1	[illegible]	39.5	27.7	47.0	64.1	52.9	69.5	78.3	[illegible]	79.1	[illegible]	82.9	89.6	93.5	92.7	93.9	94.5
6340.	1.57729	0.	0.	0.	1.0	0.	0.	12.7	0.	0.	2.2	15.3	34.9	31.3	53.1	67.1	58.0	75.1	80.5	[illegible]	79.3	[illegible]	85.5	93.2	95.5	92.3	92.1	93.4
6340.2	1.57724	0.	0.	0.	1.5	0.	0.1	15.9	0.	0.	2.3	15.6	39.3	39.7	52.2	70.5	68.1	82.5	86.1	[illegible]	79.5	[illegible]	89.4	95.5	96.4	92.9	91.7	93.1
6340.4	1.57719	0.	0.	0.	1.5	0.	0.3	16.3	0.	0.	2.4	15.9	[illegible]	46.5	59.6	72.2	72.9	84.8	89.9	[illegible]	79.9	[illegible]	93.1	95.0	97.1	93.1	92.0	93.5
6340.6	1.57714	0.	0.	0.	1.5	0.	0.4	19.1	0.	0.	2.5	15.3	40.2	48.3	59.6	72.2	72.1	[illegible]	[illegible]	[illegible]	80.1	[illegible]	92.9	94.5	96.5	93.2	92.4	94.3
6340.8	1.57709	0.	0.	0.	1.5	0.	0.4	17.5	0.	0.	2.7	15.7	40.7	45.2	54.4	70.3	[illegible]	75.5	87.4	[illegible]	80.4	[illegible]	[illegible]	92.0	[illegible]	93.3	[illegible]	95.4
6341.0	1.57704	0.	0.	0.	1.5	0.	0.5	13.5	0.	0.	2.8	17.1	41.3	38.4	57.4	68.1	59.4	70.9	83.0	[illegible]	80.5	[illegible]	86.3	91.0	93.4	93.4	94.4	96.1
6341.2	1.57699	0.	0.	0.	1.5	0.	0.5	11.1	0.	0.	2.9	17.6	41.8	32.3	52.4	66.7	55.3	59.6	80.4	[illegible]	80.9	[illegible]	84.3	89.9	92.7	93.4	94.5	95.3
6341.4	1.57694	0.	0.	0.	1.5	0.	0.5	10.5	0.	0.	3.0	18.0	42.2	30.5	51.4	67.0	55.8	71.3	79.3	[illegible]	81.1	[illegible]	84.2	89.8	93.7	93.5	94.0	95.1
6341.6	1.57689	0.	0.	0.	1.5	0.	0.5	12.2	0.	0.	3.2	18.5	42.7	32.7	54.8	68.3	59.3	75.5	81.2	[illegible]	81.3	[illegible]	86.4	92.0	95.2	93.7	93.2	94.3
6341.8	1.57684	0.	0.	0.	1.5	0.	[illegible]	15.5	0.	0.	3.4	[illegible]	43.3	39.1	52.1	71.7	67.9	81.9	84.2	[illegible]	81.5	[illegible]	89.5	94.6	96.7	93.9	[illegible]	[illegible]
6342.0	1.57679	0.	0.	0.	1.8	0.	0.5	18.5	0.	0.	3.5	19.6	44.2	47.0	59.7	73.1	73.9	85.0	88.3	[illegible]	81.9	[illegible]	92.9	95.5	97.1	94.0	93.9	94.3
6342.2	1.57674	0.	0.	0.	2.1	0.	[illegible]	19.5	0.	0.	[illegible]	20.2	45.0	48.3	73.8	74.4	73.4	83.7	90.3	[illegible]	82.3	[illegible]	93.4	95.0	96.7	94.1	93.6	95.0
6342.4	1.57669	0.	0.	0.	2.3	0.	0.6	18.8	0.	0.	4.2	21.9	45.7	46.4	67.4	74.0	69.4	79.2	89.5	[illegible]	82.7	[illegible]	91.1	93.5	95.4	94.2	94.5	95.4
6342.6	1.57664	0.	0.	0.	2.4	0.	0.6	16.5	0.	0.0	4.5	21.6	45.3	41.5	51.6	72.0	64.4	75.2	87.3	91.6	83.1	87.0	88.5	91.7	94.5	94.3	94.9	96.3
6342.8	1.57659	0.	0.	0.	2.2	0.	0.6	13.7	0.	0.1	4.9	22.4	45.9	37.3	57.5	70.5	60.8	73.9	84.8	89.3	83.5	[illegible]	86.8	90.9	94.1	94.4	95.2	96.4
6343.0	1.57654	0.	0.	0.	2.1	0.	0.6	12.3	0.	0.2	5.3	23.1	47.6	35.8	55.4	70.5	59.9	74.8	83.4	84.9	83.8	84.6	86.4	91.1	94.2	94.5	94.8	95.7
6343.2	1.57649	0.	0.	0.	2.1	0.	0.6	14.0	0.	0.3	5.5	25.0	48.5	36.9	53.7	71.5	62.3	77.8	83.7	89.0	84.2	83.9	87.1	92.8	95.1	94.7	94.3	95.1
6343.4	1.57644	0.	0.	0.	2.5	0.	0.6	16.9	0.	0.3	6.0	24.8	49.4	41.5	53.3	73.1	68.8	81.8	85.9	89.4	84.5	85.0	90.2	94.8	96.4	94.9	94.1	94.3
6343.6	1.57639	0.	0.	0.	3.4	0.	0.6	20.3	0.	0.3	6.4	25.7	50.3	49.5	58.6	74.5	76.2	85.4	89.5	91.1	85.0	[illegible]	93.0	95.8	[illegible]	95.0	94.2	95.0
6343.8	1.57634	0.	0.	0.	3.3	0.	0.5	22.5	0.	0.4	6.9	25.7	51.2	53.1	71.7	75.3	77.3	85.3	91.2	91.9	85.4	[illegible]	93.9	95.0	96.5	95.2	94.7	95.3
6344.0	1.57629	0.	0.	0.	4.0	0.	0.7	21.7	0.	0.4	7.5	27.6	52.1	51.2	59.5	74.9	74.8	82.4	89.3	[illegible]	85.3	[illegible]	92.5	93.7	96.0	95.3	95.4	96.5
6344.2	1.57624	0.	0.	0.	4.2	0.	0.7	20.1	0.	0.4	8.0	25.6	53.0	47.5	55.9	73.3	70.5	79.0	87.5	[illegible]	86.2	[illegible]	90.7	92.3	95.0	95.5	95.9	97.0
6344.4	1.57619	0.	0.	0.0	4.2	0.	0.8	18.5	0.	0.5	8.9	29.7	54.0	44.0	52.4	72.5	67.0	75.5	85.5	[illegible]	86.7	[illegible]	89.1	91.5	94.5	95.5	95.1	97.1
6344.6	1.57614	0.	0.	0.1	4.0	0.	0.8	17.5	0.	0.6	9.5	30.8	55.0	41.2	59.8	72.1	65.7	75.0	83.5	[illegible]	87.1	[illegible]	88.2	91.5	94.3	95.8	95.0	96.7
6344.8	1.57609	0.	0.	0.1	4.1	0.	1.0	20.4	0.	0.8	10.2	31.9	55.9	42.9	51.3	72.5	68.0	78.4	83.5	[illegible]	87.5	[illegible]	88.7	92.7	95.0	96.0	95.7	96.4
6345.0	1.57604	0.	0.	0.2	5.4	0.	1.0	24.0	0.	1.0	11.0	33.2	56.9	48.2	55.4	74.0	73.0	93.0	85.1	89.0	88.0	89.2	90.7	95.1	96.1	96.1	95.5	96.2
6345.2	1.57599	0.	0.	0.4	7.2	0.	1.0	27.4	0.	1.2	11.9	34.7	58.0	54.3	70.3	75.7	78.3	95.5	87.5	89.7	88.4	[illegible]	93.5	95.3	97.1	96.3	95.7	96.5
6345.4	1.57594	0.	0.	0.6	8.5	0.	1.1	29.4	0.	1.4	12.8	36.2	59.0	58.9	74.0	76.8	81.7	97.2	90.4	[illegible]	88.3	91.5	94.3	95.3	97.1	96.4	95.1	96.7
6345.6	1.57590	0.	0.	0.9	9.2	0.	1.3	28.8	0.	1.8	13.7	37.5	60.1	58.5	73.0	77.0	80.4	95.2	91.4	91.2	89.2	[illegible]	94.7	95.5	96.5	96.5	95.7	97.4
6345.8	1.57585	0.	0.	0.9	9.7	0.1	1.4	27.0	0.	2.2	14.7	39.7	61.2	54.9	59.7	76.3	78.2	92.8	90.4	91.5	89.5	92.7	93.8	94.2	95.9	96.7	97.1	97.7
6346.0	1.57580	0.	0.	0.9	9.3	0.2	1.5	26.0	0.	2.4	15.5	39.9	62.4	51.8	55.2	75.3	76.3	81.2	88.7	91.2	90.0	92.4	92.7	93.4	95.5	96.3	97.2	97.9
6346.2	1.57575	0.	0.	1.1	10.1	0.4	1.6	26.5	0.	2.6	16.5	41.0	63.4	50.5	54.2	74.3	75.3	80.9	87.0	90.9	90.4	92.2	92.3	93.6	95.5	96.9	97.3	97.7
6346.4	1.57570	0.	0.1	1.5	11.3	0.5	1.8	28.9	0.2	2.8	17.5	42.0	64.2	51.7	54.9	75.3	77.4	82.3	86.1	90.9	90.8	92.2	92.5	94.6	95.9	97.0	97.4	97.9
6346.6	1.57565	0.	0.3	2.7	14.1	1.0	1.9	35.1	0.2	3.2	18.5	43.0	65.0	57.2	63.0	77.0	80.5	85.9	87.3	91.3	91.1	92.9	93.3	95.1	96.4	97.1	97.4	97.7
6346.8	1.57560	0.	0.4	[illegible]	17.5	1.5	2.2	[illegible]	0.2	3.7	19.7	[illegible]	65.9	64.7	73.7	79.7	85.0	89.0	89.3	92.3	91.4	94.2	94.5	95.9	97.5	97.2	97.5	97.8
6347.0	1.57555	0.	0.5	5.4	22.3	2.1	3.2	49.1	0.3	4.1	20.7	44.7	66.6	71.4	79.2	82.3	88.5	91.7	91.3	93.1	91.5	95.4	96.3	97.4	97.9	97.3	97.6	98.1
6347.2	1.57550	0.	0.8	7.1	25.3	2.7	5.1	52.7	0.4	4.2	21.5	45.5	67.4	75.9	83.3	85.5	90.5	93.5	93.7	94.2	91.9	95.2	97.0	97.8	98.2	97.3	97.9	98.4
6347.4	1.57545	0.	1.0	7.8	27.7	3.1	5.9	53.2	0.5	4.6	22.0	45.3	68.2	77.1	[illegible]	87.0	91.1	93.3	94.7	[illegible]	92.1	[illegible]	[illegible]	97.9	98.5	97.4	[illegible]	[illegible]
6347.6	1.57540	0.	1.0	9.3	28.3	3.4	9.3	50.9	0.5	4.7	22.3	45.6	68.5	76.5	84.5	86.1	90.9	92.6	95.1	[illegible]	92.4	[illegible]	97.3	[illegible]	98.4	97.5	[illegible]	99.1
634[illegible].8	1.57535	0.	[illegible]	8.3	27.3	3.5	10.6	46.4	0.5	4.9	22.5	45.9	68.7	73.3	82.8	84.5	88.9	91.4	95.1	[illegible]	[illegible]	[illegible]	97.4	97.5	[illegible]	97.5	[illegible]	99.3

Table 4-1 (cont'd)

Sum. No.		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
ω (atm cm)	2.40 $\times 10^0$	2.53 $\times 10^0$	2.53 $\times 10^0$	2.50 $\times 10^0$	2.00 $\times 10^0$	1.00 $\times 10^0$	1.00 $\times 10^0$	1.46 $\times 10^{-1}$	1.00 $\times 10^{-1}$	1.00 $\times 10^{-1}$	1.00 $\times 10^{-1}$	1.00 $\times 10^{-1}$	2.30 $\times 10^{-1}$	2.30 $\times 10^{-1}$	1.16 $\times 10^{-1}$	7.70 $\times 10^{-2}$	7.70 $\times 10^{-2}$	7.70 $\times 10^{-2}$	3.87 $\times 10^{-2}$	6.65 $\times 10^{-1}$	6.65 $\times 10^{-1}$	2.34 $\times 10^{-2}$	2.34 $\times 10^{-2}$	2.34 $\times 10^{-2}$	2.17 $\times 10^{-1}$	2.17 $\times 10^{-1}$	2.17 $\times 10^{-1}$
P_c (atm)	3.29 $\times 10^0$	3.32 $\times 10^0$	3.32 $\times 10^0$	3.29 $\times 10^0$	2.62 $\times 10^0$	1.31 $\times 10^0$	1.31 $\times 10^0$	2.03 $\times 10^1$	1.36 $\times 10^1$	1.36 $\times 10^1$	1.36 $\times 10^1$	1.36 $\times 10^1$	9.99 $\times 10^{-1}$	3.00 $\times 10^{-1}$	1.50 $\times 10^{-1}$	1.001 $\times 10^0$	3.03 $\times 10^{-1}$	1.001 $\times 10^{-1}$	5.03 $\times 10^{-2}$	1.31 $\times 10^1$	8.65 $\times 10^{-1}$	3.00 $\times 10^{-1}$	1.02 $\times 10^{-1}$	3.04 $\times 10^{-2}$	1.30 $\times 10^1$	1.00 $\times 10^0$	2.83 $\times 10^{-1}$
ω (atm cm) STP	2.17 $\times 10^3$	1.16 $\times 10^3$	2.57 $\times 10^4$	2.80 $\times 10^4$	4.71 $\times 10^4$	8.62 $\times 10^4$	2.19 $\times 10^4$	4.73 $\times 10^4$	3.16 $\times 10^4$	1.59 $\times 10^4$	7.93 $\times 10^3$	3.99 $\times 10^3$	9.94 $\times 10^3$	9.94 $\times 10^3$	9.94 $\times 10^3$	3.32 $\times 10^3$	3.32 $\times 10^3$	3.32 $\times 10^3$	3.32 $\times 10^3$	1.01 $\times 10^3$	1.01 $\times 10^3$	1.01 $\times 10^3$	1.01 $\times 10^3$	1.01 $\times 10^3$	3.30 $\times 10^2$	3.30 $\times 10^2$	3.30 $\times 10^2$

λ (cm^{-1})	λ (micron)	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100
6364.0	1.57134	0.	0.	0.	0.1	0.	0.	4.7	0.	0.	0.5	5.0	24.5	22.5	47.6	60.1	49.3	63.1	79.3	85.6	69.2	75.	83.3	84.2	88.1	89.1	89.7	92.1
6364.2	1.57129	0.	0.	0.	0.1	0.	0.	4.8	0.	0.	0.5	5.1	24.9	23.1	47.2	59.9	50.2	63.1	79.3	85.6	70.1	75.4	84.0	84.8	88.3	89.2	89.7	92.0
6364.4	1.57124	0.	0.	0.	0.1	0.	0.	4.3	0.	0.	0.5	5.3	25.2	24.0	48.0	59.5	52.7	63.5	80.2	86.0	70.5	75.7	84.5	85.2	88.5	89.3	89.7	92.1
6364.6	1.57119	0.	0.	0.	0.1	0.	0.	4.8	0.	0.	0.5	5.5	25.4	24.5	49.1	59.3	52.5	63.8	80.3	86.0	70.6	75.9	84.9	85.1	88.4	89.4	89.8	92.2
6364.8	1.57114	0.	0.	0.	0.1	0.	0.	4.4	0.	0.	0.5	5.7	25.7	23.8	48.6	59.1	50.5	63.1	80.4	86.0	70.4	75.9	85.1	84.6	88.5	89.5	89.9	92.3
6365.0	1.57109	0.	0.	0.	0.1	0.	0.	4.5	0.	0.	0.5	5.9	25.0	23.0	47.6	59.2	49.2	63.1	78.5	86.6	71.0	75.8	82.4	83.5	88.2	89.7	90.0	92.4
6365.2	1.57104	0.	0.	0.	0.1	0.	0.	5.4	0.	0.	0.5	7.2	25.4	23.5	45.0	59.4	49.3	63.2	77.8	86.6	71.3	75.8	82.9	83.4	88.1	89.9	90.0	92.4
6365.4	1.57099	0.	0.	0.	0.1	0.	0.	5.3	0.	0.	0.6	7.4	25.9	24.2	45.0	59.5	52.5	63.0	78.5	86.6	71.5	77.1	84.5	83.5	88.2	89.9	90.1	92.4
6365.6	1.57094	0.	0.	0.	0.1	0.	0.	6.0	0.	0.	0.6	7.7	27.3	26.3	45.4	59.4	53.9	63.5	79.9	86.6	71.3	77.6	84.9	83.8	88.3	90.3	90.1	92.5
6365.8	1.57089	0.	0.	0.	0.1	0.	0.	5.9	0.	0.	0.6	8.0	27.7	26.5	46.3	59.3	52.9	63.8	80.4	86.6	72.1	77.8	84.7	83.6	88.1	90.1	90.2	92.5
6366.0	1.57085	0.	0.	0.	0.1	0.	0.	5.5	0.	0.	0.5	8.2	28.1	25.5	43.4	59.3	51.3	63.3	79.7	86.6	72.5	77.8	83.4	84.0	88.4	90.3	90.3	92.7
6366.2	1.57080	0.	0.	0.	0.1	0.	0.	5.5	0.	0.	0.5	8.6	28.6	24.5	43.0	59.4	50.5	63.2	78.4	86.6	72.3	77.4	83.3	84.2	88.5	90.4	90.5	92.8
6366.4	1.57075	0.	0.	0.	0.1	0.	0.	5.9	0.	0.	0.7	9.0	29.1	24.8	45.4	59.7	51.5	63.3	78.3	86.6	73.3	77.8	84.3	84.0	88.1	90.5	90.5	92.9
6366.6	1.57070	0.	0.	0.	0.1	0.	0.	6.3	0.	0.	0.8	9.5	29.7	26.2	45.9	60.5	52.1	63.5	78.7	86.6	73.7	78.4	85.1	84.4	88.3	90.8	90.6	92.7
6366.8	1.57065	0.	0.	0.	0.1	0.	0.	6.5	0.	0.	0.8	9.9	30.3	27.5	48.	61.3	55.2	63.7	80.1	86.6	74.3	78.7	85.5	84.8	88.5	90.9	90.7	92.7
6367.0	1.57060	0.	0.	0.	0.1	0.	0.	6.4	0.	0.	1.0	10.3	31.0	27.7	51.2	61.8	54.7	63.7	81.7	86.6	74.4	79.0	85.2	85.7	89.1	91.1	90.8	92.9
6367.2	1.57055	0.	0.	0.	0.1	0.	0.	6.1	0.	0.	1.1	10.7	31.6	26.4	51.4	61.9	53.5	63.8	80.9	86.6	74.9	79.2	84.7	85.4	89.4	91.3	91.0	92.9
6367.4	1.57050	0.	0.	0.	0.1	0.	0.	6.0	0.	0.	1.2	11.1	32.3	25.5	50.5	62.0	53.8	63.8	80.4	86.6	75.4	79.1	84.7	85.6	89.5	91.5	91.2	93.0
6367.6	1.57045	0.	0.	0.	0.1	0.	0.	6.1	0.	0.	1.4	11.6	33.0	26.2	49.1	61.8	55.2	63.8	80.4	86.6	76.0	79.4	85.1	85.4	89.4	91.7	91.3	93.1
6367.8	1.57040	0.	0.	0.	0.1	0.	0.	6.2	0.	0.	1.5	12.1	33.8	26.8	49.4	61.9	55.8	63.8	81.0	86.6	76.4	80.	85.5	85.4	89.7	91.9	91.5	93.2
6368.0	1.57035	0.	0.	0.	0.1	0.	0.	6.2	0.	0.	1.8	12.6	34.5	27.5	50.2	62.3	55.6	63.8	81.4	86.6	76.8	80.4	85.8	85.8	89.8	92.0	91.6	93.2
6368.2	1.57030	0.	0.	0.	0.2	0.	0.	6.1	0.	0.	2.0	13.2	35.3	28.5	49.4	62.3	55.0	63.8	81.2	86.6	77.2	80.5	85.4	86.2	89.7	92.1	91.7	93.3
6368.4	1.57025	0.	0.	0.	0.3	0.	0.	6.0	0.	0.	2.1	13.8	36.2	28.0	48.5	62.7	55.1	63.9	80.7	86.6	77.7	80.8	85.9	86.2	89.7	92.3	91.9	93.4
6368.6	1.57020	0.	0.	0.	0.4	0.	0.0	6.2	0.	0.	2.3	14.4	37.0	28.2	47.8	62.7	56.3	63.9	80.8	86.6	78.1	80.9	85.9	86.0	89.6	92.5	92.1	93.5
6368.8	1.57015	0.	0.	0.	0.4	0.	0.1	6.4	0.	0.	2.5	15.3	37.9	28.9	47.9	62.8	57.0	63.9	80.8	86.6	78.6	81.1	85.9	86.4	89.8	92.6	92.4	93.7
6369.0	1.57011	0.	0.	0.	0.4	0.	0.3	6.9	0.	0.	2.7	16.1	38.7	27.6	47.6	62.5	57.7	63.9	80.7	86.6	79.0	81.2	86.2	86.8	89.8	92.8	92.5	93.8
6369.2	1.57006	0.	0.	0.	0.5	0.	0.4	7.3	0.	0.	2.9	16.9	39.5	28.2	47.7	62.5	58.3	63.9	81.0	86.6	79.5	81.4	86.0	87.0	89.7	92.9	92.6	93.8
6369.4	1.57001	0.	0.	0.	0.5	0.	0.4	7.9	0.	0.	3.2	17.8	40.7	28.9	48.	62.6	58.9	63.9	81.0	86.6	79.9	82.0	86.2	87.0	89.8	93.1	92.8	93.9
6369.6	1.56996	0.	0.	0.	0.5	0.	0.4	8.4	0.	0.	3.5	18.6	41.9	29.3	48.	62.7	59.5	63.9	80.9	86.6	80.4	82.5	86.7	87.2	89.8	93.3	92.9	94.1
6369.8	1.56991	0.	0.	0.	0.5	0.	0.4	9.3	0.	0.	3.8	19.5	43.0	30.0	48.	62.7	60.1	63.9	81.5	86.6	80.9	82.6	86.9	87.4	89.8	93.4	93.1	94.3
6370.0	1.56986	0.	0.	0.	0.9	0.	0.6	10.3	0.	0.	4.2	20.4	44.0	31.9	48.	63.0	62.5	63.9	81.5	86.6	81.5	83.0	87.1	87.9	90.0	93.6	93.2	94.4
6370.2	1.56981	0.	0.	0.	1.1	0.	0.6	11.3	0.	0.	4.5	21.4	45.0	33.1	48.	63.1	63.1	63.9	81.5	86.6	82.3	83.4	87.3	87.9	90.1	93.7	93.6	94.5
6370.4	1.56976	0.	0.	0.	1.3	0.	0.6	12.3	0.	0.	5.1	22.4	45.9	34.9	48.	63.2	63.5	63.9	81.5	86.6	82.5	84.	87.5	88.	90.1	93.8	93.8	94.6
6370.6	1.56971	0.	0.	0.0	1.6	0.	0.6	13.5	0.	0.2	5.7	23.5	46.9	36.7	48.	63.3	64.3	63.9	81.5	86.6	82.9	84.6	87.9	88.4	90.2	93.9	94.0	94.7
6370.8	1.56966	0.	0.	0.1	1.9	0.	0.6	15.4	0.	0.3	6.4	24.6	48.0	38.3	48.	63.4	65.1	63.9	81.5	86.6	83.4	84.9	88.2	88.7	90.3	94.0	93.9	94.8
6371.	1.56961	0.	0.	0.1	2.1	0.	0.6	16.2	0.	0.3	7.0	25.7	49.1	39.5	48.	63.4	65.6	63.9	81.5	86.6	83.8	85.2	88.3	89.1	90.4	94.3	94.0	95.1
6371.2	1.56956	0.	0.	0.1	2.4	0.	0.6	16.9	0.	0.3	7.7	25.9	50.2	40.3	48.	63.5	66.1	63.9	81.5	86.6	84.3	85.7	88.7	89.4	90.5	94.4	94.2	95.1
6371.4	1.56951	0.	0.	0.1	2.7	0.	0.7	18.1	0.	0.4	8.4	28.2	51.4	40.8	48.	63.6	66.7	63.9	81.5	86.6	84.7	86.	88.7	89.4	90.6	94.4	94.4	95.3
6371.6	1.56946	0.	0.	0.2	3.1	0.	0.9	19.2	0.1	0.7	9.0	27.5	52.6	42.2	48.	63.7	68.1	63.9	81.5	86.6	85.2	86.5	89.2	89.8	90.8	94.5	94.3	95.5
6371.8	1.56942	0.	0.	0.1	3.5	0.	1.0	19.9	0.2	0.9	9.8	30.7	53.9	43.3	48.	63.8	69.1	63.9	81.5	86.6	85.7	86.9	89.8	90.0	90.9	94.5	95.1	94.7	95.5
6372.	1.56937	0.	0.	0.1	3.9	0.	1.0	20.1	0.2	1.1	10.7	31.9	55.2	43.5	48.	63.9	69.3	77.6	85.4	86.6	86.2	87.	89.8	90.3	90.9	94.6	95.3	94.9	95.7
6372.2	1.56932	0.	0.	0.1	4.3	0.	1.1	19.4	0.3	1.4	11.5	33.1	55.5	43.8	48.	64.0	69.2	77.4	85.2	86.6	86.7	87.	89.8	90.0	90.9	94.6	95.4	95.0	95.8
6372.4	1.56927	0.	0.	0.1	4.6	0.	1.1	19.8	0.3	1.8	12.4	34.5	57.6	43.8	48.	64.0	69.1	77.6	84.6	86.6	87.1	87.	89.8	90.1	90.8	94.6	95.5	95.2	95.9
6372.6	1.56922	0.	0.	0.1	4.9	0.	1.1	20.0	0.4	2.0	13.4	35.0	58.6	43.7	48.	64.0	70.4	77.6	84.6	86.6	87.6	87.	89.8	90.2	90.8	94.6	95.7	95.4	96.1
6372.8	1.56917	0.	0.	0.1	5.3	0.	1.1	20.5	0.4	2.1	14.4	37.4	59.6	44.5	48.	64.0	71.4	77.1	85.0	86.6	88.0	88.	90.0	90.3	90.9	94.7	95.8	95.6	96.2
6373.0	1.56912	0.	0.	0.1	5.7	0.	1.1	20.5	0.4	2.4	15.5	38.8	60.7	45.	48.	64.	72.3	77.	85.3	86.6	88.4	89.	91.0	91.1	91.1	95.0	95.9	95.7	96.4
6373.2	1.56907	0.	0.	0.2	6.1	0.	1.1	19.8	0.5	2.8	16.3	40.1	62.0	45.	48.	64.	72.3	77.	85.3	86.6	88.8	89.	91.1	91.1	91.1	95.1	96.1	95.8	96.5
6373.4	1.56902	0.	0.	0.3	6.6	0.0	1.1	19.9	0.5	3.1	18.0	41.3	63.4	44.	48.	64.	72.1	77.	85.3	86.6	89.2	89.	91.1	91.2	91.1	95.2	96.3	95.9	96.7
6373.6	1.56897	0.	0.	0.4	7.3	0.1	1.1	21.0	0.6	3.7	19.3	42.7	64.6	44.5	48.	65.	73.4	77.	85.4	86.6	89.6	89.	91.2	91.2	91.2	95.3	96.4	96.1	96.8
6373.8	1.56892	0.	0.0	0.5	8.2	0.1	1.1	22.9	0.7	4.3	20.7	44.4	65.6	46.3	48.	65.	74.5	80.	85.5	86.	89.9	90.	91.3	91.4	91.3	95.4	96.4	96.3	96.9
6374.	1.56887	0.	0.2	0.7	9.2	0.1	1.1	24.4	0.9	4.8	22.2	46.1	66.7	48.	48.	65.	75.5	81.	86.4	86.	90.2	90.	91.4	91.5	91.4	95.5	96.5	96.4	97.0
6374.2	1.56882	0.	0.3	0.9	10.4	0.2	1.0	25.7	1.2	5.4	23.5	47.7	67.7	49.	48.	65.	75.9	81.	87.0	86.	90.5	91.	91.5	91.6	91.5	95.5	96.5	96.5	97.1
6374.4	1.56878	0.	0.3	1.1	11.5	0.2	1.0	27.2	1.3	6.1	25.1	49.3	68.8	50.	48.	65.	76.4	81.	87.3	86.	90.9	91.	91.5	91.7	91.6	95.6	96.4	96.5	97.1
6374.6	1.56873	0.	0.4	1.3	12.9	0.3	1.0	28.7	1.5	6.9	26.5	50.6	69.9	51.	48.	65.	76.9	82.	87.7	86.	91.2	91.	91.5	91.8	91.7	95.6	96.4	96.5	97.2
6374.8	1.56868	0.	0.4	1.5	14.4	0.5	1.0	30.5	2.0	7.7	27.9	52.4	71.0	52.	49.	65.	77.3	82.	88.1	86.	91.6	91.	91.4	92.0	91.8	95.7	96.5	96.6	97.2
6375.	1.56863	0.	0.5	2.2	15.9	0.7	1.0	33.2	2.2	8.7	29.5	53.8	72.0	54.	49.	66.	78.4	83.	88.7	87.	91.9	92.	91.5	92.1	92.0	95.8	96.6	96.7	97.3
6375.2	1.56858	0.	0.5	2.5	17.3	0.9	1.0	36.3	2.4	9.6	31.3	55.2	73.1	56.	49.	66.	80.1	84.2	89.2	87.	92.3	92.	91.5	92.2	92.1	95.8	96.7	96.8	97.4
6375.4	1.56853	0.	0.5	3.1	18.6	1.1	1.0	38.4	2.8	10.5	33.0	56.7	74.1	58.	49.	66.	81.2	84.9	89.6	88.	92.7	92.	91.5	92.3	92.2	95.9	96.7	96.9	97.5
6375.6	1.56848	0.	0.6	3.7	20.2	1.3	1.0	39.8	3.2	11.5	34.5	58.1	75.1	60.	49.	67.	81.7	85.1	89.7	89.	93.1	92.	91.5	92.4	92.3	95.9	96.7	97.0	97.6
6375.8	1.56843	0.	0.6	4.4	21.6	1.5	1.0	40.3	3.7	12.6	36.1	59.4	75.9	62.	49.	67.	82.5	85.6	89.7	89.	93.4	92.	91.5	92.5	92.3	96.0	96.8	97.1	97.7
6376.	1.56838	0.	0.6	5.0	23.0	1.9	1.1	41.7	4.4	13.6	37.5	60.4	76.8	63.	49.	67.	83.1	86.1	89.8	89.	93.6	92.	91.6	92.6	92.4	96.0	96.8	97.2	97.8
6376.2	1.56833	0.	0.7	5.7	24.4	2.4	1.1	42.7	5.3	14.8	39.1	62.1	77.7	64.	49.	67.	83.6	86.6	89.9	89.	93.8	92.	91.6	92.7	92.5	96.0	96.8	97.3	97.9
6376.4	1.56828	0.	0.8	6.4	25.8	2.9	1.2	43.3	6.1	15.4	40.9	63.6	78.6	64.	49.	67.	84.0	87.0	90.0	89.	93.9	92.	91.6	92.8	92.6	96.1	96.8	97.3	98.0
6376.6	1.56823	0.	0.8	7.1	27.1	3.2	1.2	43.8	6.8	16.0	42.7	65.0	79.5	65.	49.	67.	84.5	87.4	90.1	89.	94.0	92.	91.6	92.9	92.7	96.1	96.8	97.4	98.1
6376.8	1.56818	0.	0.9	7.8	28.4	3.4	1.3	44.2	7.7	17.6	44.6	66.4	80.4	65.	49.	67.	84.9	87.8	90.2	89.	94.1	92.	91.6	93.0	92.8	96.2	96.8	97.4	98.1

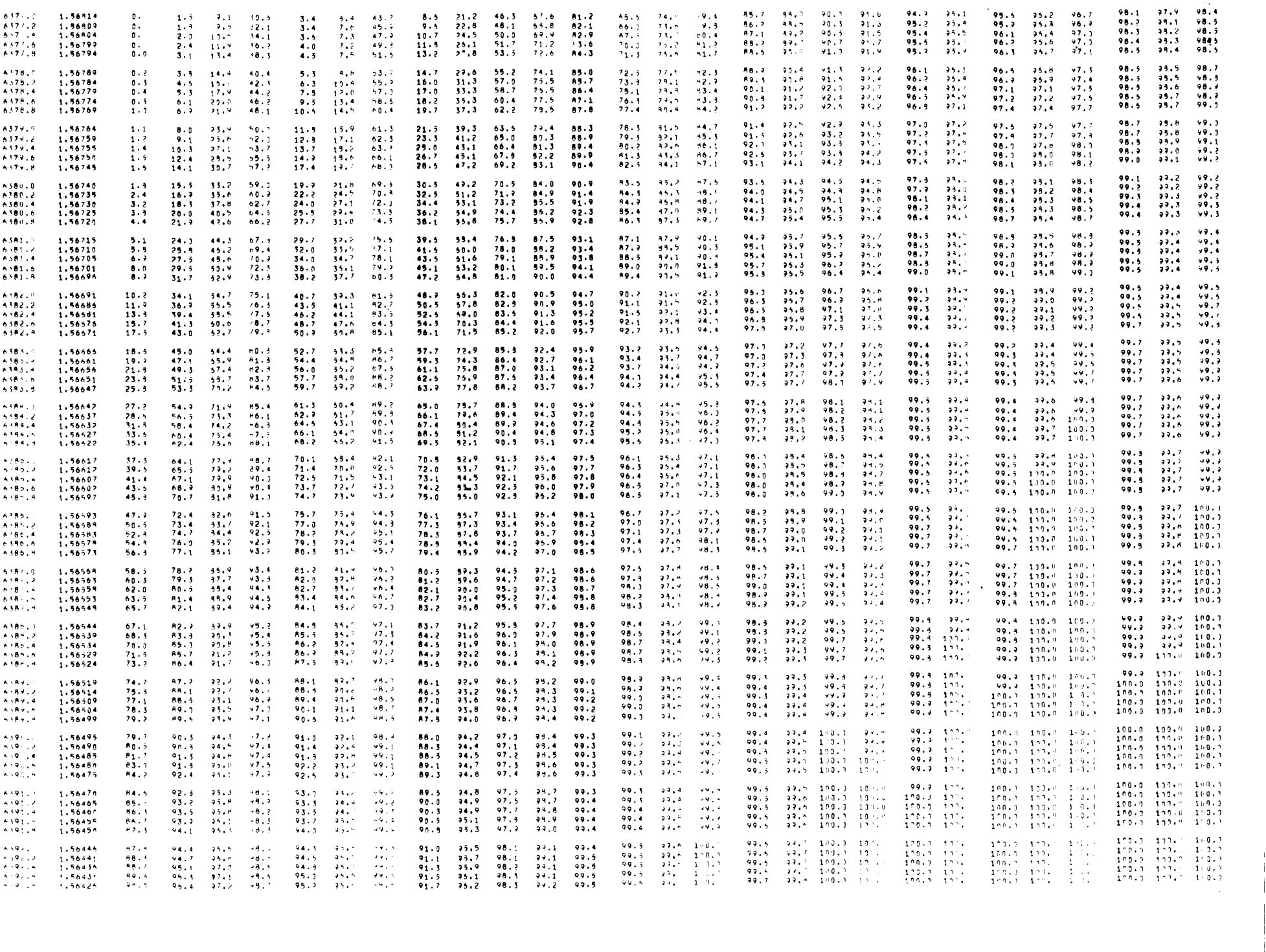

Table 4-1 (cont'd)

[illegible]	1.56104	93.1	96.5	98.[illegible]	[illegible]	96.9	97.[illegible]	[illegible]	95.9	97.9	99.3	10[illegible].0	[illegible]	[illegible]	[illegible]	1[illegible].0	100.0	[illegible]	100.0	[illegible]
[illegible]	1.56099	93.0	96.5	98.4	[illegible]	96.9	97.4	[illegible]	95.9	97.9	99.3	10[illegible].0	[illegible]	[illegible]	[illegible]	1[illegible].0	100.0	[illegible]	100.0	[illegible]
[illegible]	1.56094	93.2	96.7	98.4	[illegible]	96.9	97.2	[illegible]	96.0	98.0	99.3	10[illegible].0	[illegible]	[illegible]	[illegible]	1[illegible].0	100.0	[illegible]	100.0	[illegible]
[illegible]	1.56089	93.5	96.7	98.3	[illegible]	96.9	97.3	[illegible]	96.0	98.0	99.3	10[illegible].0	[illegible]	[illegible]	[illegible]	[illegible].0	100.0	[illegible]	100.0	[illegible]
[illegible]	1.56084	93.9	96.5	98.3	[illegible]	96.8	97.8	[illegible]	96.0	98.0	99.3	100.0	[illegible]	[illegible]	[illegible]	[illegible].0	100.0	[illegible]	100.0	[illegible]
[illegible]	1.56079	93.8	96.5	98.3	[illegible]	96.9	98.0	[illegible]	96.0	98.0	99.3	10[illegible].0	[illegible]	[illegible]	[illegible]	[illegible].0	100.0	[illegible]	100.0	[illegible]
4407.2	1.56074	93.3	96.4	98.3	[illegible]	96.9	98.1	[illegible]	96.0	98.0	99.3	10[illegible].0	[illegible]	[illegible]	[illegible]	[illegible].0	100.0	[illegible]	100.0	[illegible]
4407.4	1.56070	93.0	96.5	98.3	[illegible]	96.9	97.8	[illegible]	96.0	98.0	99.3	10[illegible].0	[illegible]	[illegible]	[illegible]	[illegible].0	100.0	[illegible]	100.0	[illegible]
4407.6	1.56065	92.8	96.3	98.3	[illegible]	96.3	97.5	[illegible]	96.0	98.0	99.3	10[illegible].0	[illegible]	[illegible]	[illegible]	[illegible].0	100.0	[illegible]	100.0	[illegible]
4407.8	1.56060	92.7	96.3	98.2	[illegible]	96.9	94.9	100.0	96.1	98.0	99.3	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4408.0	1.56055	92.7	96.5	98.2	[illegible]	96.8	95.2	100.0	96.0	98.0	99.3	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4408.2	1.56050	93.0	96.5	98.2	[illegible]	96.9	95.9	100.0	96.1	98.0	99.3	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4408.4	1.56045	93.3	96.5	98.2	[illegible]	96.9	97.2	100.0	96.1	98.0	99.3	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4408.6	1.56040	93.7	96.5	98.2	[illegible]	96.9	97.5	100.0	96.2	98.0	99.3	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4408.8	1.56035	93.5	96.5	98.2	[illegible]	96.9	97.8	100.0	96.2	98.0	99.3	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4409.0	1.56031	93.1	96.4	98.1	[illegible]	96.8	97.9	100.0	96.2	98.1	99.3	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4409.2	1.56026	92.7	96.3	98.1	[illegible]	96.9	97.8	100.0	96.2	98.1	99.3	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4409.4	1.56021	92.4	96.2	98.1	[illegible]	96.7	97.8	100.0	96.2	98.1	99.3	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4409.6	1.56016	92.7	96.4	98.1	[illegible]	96.7	97.7	100.0	96.2	98.1	99.3	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4409.8	1.56011	93.1	96.5	98.1	[illegible]	96.7	97.5	100.0	96.2	98.1	99.3	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4410.0	1.56006	93.5	96.5	98.1	[illegible]	96.7	97.4	100.0	96.2	98.1	99.3	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4410.2	1.56001	93.8	96.5	98.1	[illegible]	96.5	97.5	100.0	96.2	98.1	99.3	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4410.4	1.55997	93.7	96.5	98.1	[illegible]	96.5	97.6	100.0	96.3	98.1	99.3	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4410.6	1.55992	93.4	96.5	98.1	[illegible]	96.5	97.4	100.0	96.3	98.1	99.4	10[illegible].0	[illegible]	[illegible]	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4410.8	1.55987	93.0	96.5	98.1	[illegible]	96.5	97.5	100.0	96.3	98.1	99.4	10[illegible].0	[illegible]	[illegible]	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4411.0	1.55982	92.9	96.5	98.1	[illegible]	96.5	97.0	100.0	96.4	98.1	99.4	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4411.2	1.55977	92.5	96.8	98.1	[illegible]	96.5	97.1	100.0	96.4	98.1	99.4	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4411.4	1.55972	92.8	96.9	98.1	[illegible]	96.7	97.2	100.0	96.4	98.1	99.4	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4411.6	1.55967	93.1	97.0	98.1	[illegible]	96.8	97.4	100.0	96.5	98.1	99.4	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4411.8	1.55962	93.2	96.9	98.1	[illegible]	96.8	97.9	100.0	96.5	98.1	99.4	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4412.0	1.55958	93.5	96.5	98.1	[illegible]	96.8	98.1	100.0	96.5	98.1	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4412.2	1.55953	93.1	96.5	98.1	[illegible]	96.8	98.0	100.0	96.5	98.1	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4412.4	1.55948	92.7	96.5	98.1	[illegible]	96.8	97.8	100.0	96.5	98.1	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4412.6	1.55943	92.5	96.5	98.1	[illegible]	96.8	97.5	100.0	96.7	98.1	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4412.8	1.55938	92.9	96.8	98.1	[illegible]	96.8	97.2	100.0	96.7	98.1	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4413.0	1.55933	93.3	96.9	98.1	[illegible]	96.8	97.1	100.0	96.8	98.2	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4413.2	1.55928	93.7	97.0	98.1	[illegible]	96.9	97.5	100.0	96.8	98.2	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4413.4	1.55924	93.8	97.1	98.1	[illegible]	96.9	98.0	100.0	96.8	98.2	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4413.6	1.55919	93.5	96.9	98.2	[illegible]	97.0	98.2	100.0	96.9	98.2	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4413.8	1.55914	92.9	96.8	98.2	[illegible]	97.1	98.1	100.0	96.9	98.2	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4414.0	1.55909	92.6	96.7	98.2	[illegible]	97.0	97.7	100.0	96.9	98.2	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4414.2	1.55904	92.6	96.8	98.3	[illegible]	97.0	97.5	100.0	96.9	98.2	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4414.4	1.55899	92.9	97.0	98.3	[illegible]	97.0	97.5	100.0	96.9	98.3	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4414.6	1.55894	93.2	97.2	98.4	[illegible]	97.0	97.7	100.0	96.9	98.3	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4414.8	1.55889	93.5	97.3	98.4	[illegible]	97.1	98.0	100.0	96.9	98.3	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4415.0	1.55885	93.9	97.3	98.5	[illegible]	97.1	98.1	100.0	97.0	98.4	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4415.2	1.55880	94.1	97.0	98.5	[illegible]	97.1	97.9	100.0	97.0	98.4	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4415.4	1.55875	93.9	96.9	98.6	[illegible]	97.1	97.7	100.0	97.1	98.4	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4415.6	1.55870	93.5	97.0	98.6	[illegible]	97.1	97.4	100.0	97.0	98.5	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4415.8	1.55865	93.4	97.1	98.7	[illegible]	97.2	97.3	100.0	97.0	98.5	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4416.0	1.55860	93.8	97.3	98.7	[illegible]	97.3	97.4	100.0	97.0	98.5	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4416.2	1.55855	93.9	97.4	98.7	[illegible]	97.4	97.7	100.0	97.0	98.6	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4416.4	1.55851	94.0	97.4	98.7	[illegible]	97.4	98.0	100.0	97.0	98.7	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4416.6	1.55846	94.1	97.5	98.7	[illegible]	97.4	98.2	100.0	97.0	98.7	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4416.8	1.55841	94.3	97.5	98.7	[illegible]	97.4	98.3	100.0	97.0	98.7	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4417.0	1.55836	94.4	97.5	98.7	[illegible]	97.4	98.2	100.0	97.1	98.7	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4417.2	1.55831	94.5	97.5	98.7	[illegible]	97.5	97.9	100.0	97.1	98.7	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4417.4	1.55826	94.8	97.5	98.7	[illegible]	97.5	97.9	100.0	97.1	98.7	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4417.6	1.55821	95.1	97.8	98.7	[illegible]	97.5	97.9	100.0	97.1	98.8	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4417.8	1.55817	95.2	97.8	98.7	[illegible]	97.7	98.0	100.0	97.1	98.8	99.5	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4418.0	1.55812	95.2	97.7	98.7	[illegible]	97.7	98.2	100.0	97.1	98.8	99.7	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4418.2	1.55807	95.3	97.5	98.7	[illegible]	97.8	98.4	100.0	97.1	98.8	99.7	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4418.4	1.55802	95.1	97.5	98.7	[illegible]	97.8	98.5	100.0	97.2	98.9	99.7	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4418.6	1.55797	95.0	97.7	98.7	[illegible]	97.9	98.8	100.0	97.2	98.9	99.7	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4418.8	1.55792	95.1	97.7	98.7	[illegible]	98.0	98.8	100.0	97.2	98.9	99.8	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4419.0	1.55788	95.3	97.9	98.7	[illegible]	98.0	98.8	100.0	97.2	99.0	99.8	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4419.2	1.55783	95.5	97.8	98.7	[illegible]	98.0	98.9	100.0	97.2	99.0	99.8	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4419.4	1.55778	95.5	97.9	98.7	[illegible]	98.1	98.9	100.0	97.3	99.0	99.8	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4419.6	1.55773	95.8	97.9	98.7	[illegible]	98.1	98.9	100.0	97.3	99.0	99.9	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4419.8	1.55768	96.0	97.9	98.7	[illegible]	98.1	98.9	100.0	97.4	99.0	99.9	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4420.0	1.55763	96.0	97.9	98.7	[illegible]	98.2	99.0	100.0	97.4	99.0	99.9	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4420.2	1.55758	96.0	98.0	98.7	[illegible]	98.2	99.0	100.0	97.4	99.0	99.9	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4420.4	1.55754	96.0	98.0	98.7	[illegible]	98.2	99.0	100.0	97.4	99.0	100.0	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4420.6	1.55749	96.0	98.0	98.7	[illegible]	98.2	99.0	100.0	97.4	99.0	100.0	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4420.8	1.55744	96.1	98.0	98.8	[illegible]	98.2	99.0	100.0	97.4	99.0	100.0	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4421.0	1.55739	96.2	98.0	98.8	[illegible]	98.2	99.1	100.0	97.5	99.1	100.0	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4421.2	1.55734	96.2	98.1	98.9	[illegible]	98.2	99.1	100.0	97.5	99.1	100.0	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4421.4	1.55729	96.4	98.1	98.9	[illegible]	98.3	99.1	100.0	97.5	99.1	100.0	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4421.6	1.55724	96.5	98.2	98.9	[illegible]	98.3	99.1	100.0	97.5	99.2	100.0	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]
4421.8	1.55720	96.3	98.2	98.9	[illegible]	98.3	99.1	100.0	97.5	99.2	100.0	100.0	100.0	100.0	[illegible].0	100.0	100.0	[illegible]	100.0	[illegible]

Table 4-1 (cont'd)

Sam. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
p(atm)	2.50×10^{0}	2.53×10^{0}	2.53×10^{0}	2.50×10^{0}	2.00×10^{0}	1.00×10^{0}	1.00×10^{0}	$1.46_{1} \times 10^{1}$	1.00×10^{1}	1.00×10^{1}	1.00×10^{1}	1.00×10^{0}	2.30×10^{-1}	2.30×10^{-1}	1.16×10^{-1}	7.70×10^{-2}	7.70×10^{-2}	7.70×10^{-2}	$3.87_{-2} \times 10^{-2}$	$6.65_{-1} \times 10^{-1}$	$6.65_{-1} \times 10^{-1}$
P_e(atm)	3.29×10^{0}	3.32×10^{0}	3.32×10^{0}	3.29×10^{0}	2.62×10^{0}	1.31×10^{0}	1.31×10^{0}	$2.03_{1} \times 10^{1}$	1.36×10^{1}	1.36×10^{1}	1.36×10^{1}	1.36×10^{1}	9.99×10^{-1}	3.00×10^{-1}	1.50×10^{-1}	$1.001_{0} \times 10^{0}$	$3.03_{-1} \times 10^{-1}$	$1.001_{1} \times 10^{1}$	$5.03_{-2} \times 10^{-2}$	$1.31_{1} \times 10^{1}$	$8.65_{-1} \times 10^{-1}$
u (atm cm) STP	2.17×10^{3}	1.10×10^{5}	5.57×10^{4}	2.80×10^{4}	8.71×10^{3}	8.62×10^{4}	2.19×10^{4}	4.73×10^{4}	3.16×10^{4}	1.59×10^{4}	7.93×10^{3}	3.99×10^{3}	9.94×10^{3}	9.94×10^{3}	9.94×10^{3}	3.32×10^{3}	3.32×10^{3}	3.32×10^{3}	$3.32_{3} \times 10^{3}$	$1.01_{3} \times 10^{3}$	$1.01_{3} \times 10^{3}$

ν (cm^{-1})	λ (micron)	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100
4426.0	1.55715	96.5	98.3	99.4	99.7	98.3	99.2	100.1	97.5	99.2	100.3	100.0	100.6	100.0	101.0	100.3	100.0	100.0	100.0	100.0	100.0
4426.2	1.55710	96.5	98.3	99.0	99.7	98.3	99.2	100.1	97.7	99.2	100.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4426.4	1.55705	96.7	98.4	99.1	99.7	98.3	99.2	100.1	97.7	99.2	100.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4426.6	1.55700	96.7	98.4	99.1	99.7	98.4	99.2	100.0	97.7	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4426.8	1.55695	96.8	98.5	99.1	99.7	98.4	99.3	100.0	97.7	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4423.0	1.55690	96.9	98.5	99.2	99.7	98.4	99.3	100.0	97.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4423.2	1.55686	97.0	98.5	99.2	99.7	98.4	99.3	100.0	97.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4423.4	1.55681	97.1	98.6	99.2	99.7	98.4	99.3	100.0	97.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4423.6	1.55676	97.2	98.6	99.3	99.7	98.4	99.3	100.0	97.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4423.8	1.55671	97.3	98.6	99.3	99.7	98.4	99.4	100.0	97.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4424.0	1.55666	97.4	98.6	99.3	99.7	98.4	99.4	100.0	97.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4424.2	1.55661	97.5	98.7	99.3	99.7	98.4	99.4	100.0	97.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4424.4	1.55657	97.5	98.7	99.3	99.8	98.4	99.4	100.0	97.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4424.6	1.55652	97.6	98.7	99.3	99.8	98.4	99.5	100.0	97.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4424.8	1.55647	97.6	98.8	99.4	99.8	98.4	99.5	100.0	97.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4425.0	1.55642	97.8	98.8	99.5	99.8	98.4	99.5	100.0	98.0	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4425.2	1.55637	98.0	98.8	99.5	99.8	98.4	99.5	100.0	98.0	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4425.4	1.55632	98.2	98.9	99.5	99.9	98.4	99.5	100.0	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4425.6	1.55627	98.4	98.9	99.6	99.9	98.4	99.6	100.0	98.1	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4425.8	1.55623	98.5	98.9	99.6	99.9	98.4	99.6	100.0	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4426.0	1.55618	98.7	98.9	99.6	99.9	98.5	99.6	100.0	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4426.2	1.55613	98.7	99.0	99.6	99.9	98.5	99.6	100.0	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4426.4	1.55608	98.7	99.0	99.6	99.9	98.5	99.6	100.0	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4426.6	1.55603	98.7	99.0	99.6	99.9	98.7	99.7	100.0	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4426.8	1.55598	98.7	99.1	99.6	99.9	98.5	99.7	100.0	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4427.0	1.55594	98.7	99.1	99.7	99.9	98.4	99.7	100.0	98.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4427.2	1.55589	98.7	99.1	99.7	99.9	98.5	99.7	100.0	98.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4427.4	1.55584	98.9	99.2	99.7	99.9	98.9	99.7	100.0	98.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4427.6	1.55579	99.0	99.2	99.7	99.9	98.9	99.8	100.0	98.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4427.8	1.55574	99.0	99.2	99.7	99.9	99.0	99.8	100.0	98.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4428.0	1.55569	99.0	99.2	99.7	99.9	99.0	99.8	100.0	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4428.2	1.55565	99.0	99.3	99.7	99.9	99.0	99.8	100.0	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4428.4	1.55560	99.1	99.3	99.7	99.9	99.1	99.8	100.0	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4428.6	1.55555	99.2	99.3	99.7	99.9	99.1	99.9	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4428.8	1.55550	99.2	99.4	99.7	99.9	99.1	99.9	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4429.0	1.55545	99.3	99.4	99.7	99.9	99.1	99.9	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4429.2	1.55540	99.4	99.4	99.7	99.9	99.2	100.0	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4429.4	1.55536	99.4	99.5	99.7	99.9	99.2	100.0	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4429.6	1.55531	99.4	99.5	99.8	99.9	99.2	100.0	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4429.8	1.55526	99.5	99.5	99.8	99.9	99.2	100.0	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4430.0	1.55521	99.4	99.5	99.8	99.9	99.2	100.0	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4430.2	1.55516	99.3	99.5	99.8	99.9	99.2	100.0	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4430.4	1.55511	99.2	99.5	99.8	99.9	99.2	100.0	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4430.6	1.55506	99.2	99.5	99.8	100.0	99.2	100.0	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4430.8	1.55502	99.2	99.5	99.8	100.0	99.2	100.0	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4431.0	1.55497	99.2	99.5	99.8	100.0	99.2	100.0	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4431.2	1.55492	99.2	99.5	99.8	99.9	99.2	100.0	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4431.4	1.55487	98.9	99.5	99.8	99.9	99.2	100.0	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4431.6	1.55482	98.8	99.5	99.9	99.9	99.2	100.0	100.0	98.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4431.8	1.55477	98.8	99.5	99.9	99.9	99.2	100.0	100.0	98.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4432.0	1.55473	98.7	99.5	99.9	100.0	99.2	100.0	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4432.2	1.55468	98.5	99.5	99.9	100.0	99.2	100.0	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4432.4	1.55463	98.5	99.5	99.9	100.0	99.2	100.0	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4432.6	1.55458	98.5	99.5	99.9	100.0	99.2	100.0	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4432.8	1.55453	98.5	99.5	99.9	100.0	99.2	100.0	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4433.0	1.55448	98.5	99.5	99.9	100.0	99.2	100.0	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4433.2	1.55444	98.5	99.5	99.9	100.0	99.2	100.0	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4433.4	1.55439	98.5	99.4	99.9	100.0	99.2	100.0	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4433.6	1.55434	98.5	99.4	99.9	100.0	99.2	100.0	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4433.8	1.55429	98.5	99.4	99.9	100.0	99.2	100.0	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4434.0	1.55424	98.5	99.4	99.9	100.0	99.2	100.0	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4434.2	1.55419	98.5	99.5	99.9	100.0	99.2	100.0	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4434.4	1.55415	98.5	99.5	99.9	100.0	99.2	100.0	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4434.6	1.55410	98.5	99.5	99.9	100.0	99.2	100.0	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4434.8	1.55405	98.5	99.5	99.9	100.0	99.2	100.0	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

4432.[illegible]	1.55400	98.4	99.1	99.4	99.9	99.2	99.4	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4432.2	1.55395	98.5	99.1	99.8	99.9	99.2	99.4	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4432.4	1.55390	98.1	99.1	99.8	99.9	99.2	99.9	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4432.6	1.55386	98.0	99.1	99.8	99.9	99.2	99.9	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4432.8	1.55381	97.9	99.1	99.8	99.9	99.2	99.9	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4433.0	1.55376	97.9	99.1	99.8	99.9	99.1	99.9	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4433.2	1.55371	97.9	99.2	99.8	99.9	99.1	99.9	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4433.4	1.55366	98.0	99.2	99.8	99.9	99.1	99.9	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4433.6	1.55362	98.1	99.2	99.8	99.9	99.1	99.9	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4433.8	1.55357	98.0	99.1	99.8	99.9	99.1	99.8	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4434.0	1.55352	97.8	99.1	99.8	99.9	99.1	99.8	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4434.2	1.55347	97.4	99.1	99.8	99.9	99.1	99.8	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4434.4	1.55342	97.4	99.0	99.8	99.9	99.1	99.8	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4434.6	1.55337	97.5	99.0	99.8	99.9	99.0	99.8	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4434.8	1.55333	97.5	99.0	99.7	99.9	99.0	99.8	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4435.0	1.55328	97.5	99.1	99.7	99.8	98.9	99.8	100.0	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4435.2	1.55323	97.7	99.1	99.7	99.8	98.9	99.8	100.0	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4435.4	1.55318	97.7	99.1	99.7	99.8	98.9	99.8	100.0	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4435.6	1.55313	97.8	99.1	99.7	99.8	98.9	99.8	100.0	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4435.8	1.55308	97.9	99.0	99.7	99.8	98.9	99.8	100.0	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4436.0	1.55304	97.9	99.0	99.7	99.8	98.9	99.8	100.0	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4436.2	1.55299	97.9	99.0	99.6	99.8	98.9	99.8	100.0	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4436.4	1.55294	97.9	98.9	99.6	99.8	98.9	99.7	100.0	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4436.6	1.55289	97.9	98.9	99.6	99.8	98.8	99.7	100.0	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	100.0	100.0	100.0
4436.8	1.55284	97.9	98.9	99.6	99.8	98.9	99.7	100.0	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	100.0	100.0	100.0
4437.0	1.55280	97.9	99.0	99.6	99.8	98.9	99.7	100.0	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	100.0	100.0	100.0
4437.2	1.55275	98.0	99.0	99.6	99.8	98.9	99.7	100.0	98.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	100.0	100.0	100.0
4437.4	1.55270	98.0	99.0	99.6	99.8	98.9	99.7	100.0	98.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	100.0	100.0	100.0
4437.6	1.55265	97.9	98.9	99.6	99.8	98.9	99.7	100.0	98.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	100.0	100.0	100.0
4437.8	1.55260	97.2	98.9	99.6	99.8	98.8	99.7	100.0	98.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	100.0	100.0	100.0
4438.0	1.55255	97.0	98.7	99.6	99.8	98.8	99.7	100.0	98.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	100.0	100.0	100.0
4438.2	1.55251	96.8	98.7	99.6	99.7	98.7	99.7	100.0	98.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	100.0	100.0	100.0
4438.4	1.55246	96.9	98.8	99.6	99.7	98.7	99.7	100.0	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	100.0	100.0	100.0
4438.6	1.55241	97.1	98.8	99.6	99.7	98.7	99.7	100.0	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	100.0	100.0	100.0
4438.8	1.55236	97.2	98.9	99.6	99.7	98.8	99.7	100.0	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	100.0	100.0	100.0
4439.0	1.55231	97.4	98.7	99.6	99.7	98.8	99.6	100.0	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.8	100.0	100.0	100.0
4439.2	1.55226	97.5	98.7	99.6	99.7	98.8	99.6	100.0	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.8	100.0	100.0	100.0
4439.4	1.55222	97.4	98.7	99.6	99.7	98.8	99.6	100.0	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.8	100.0	100.0	100.0
4439.6	1.55217	97.3	98.5	99.6	99.7	98.8	99.6	100.0	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.8	100.0	100.0	100.0
4439.8	1.55212	97.3	98.5	99.6	99.7	98.8	99.6	100.0	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.8	100.0	100.0	100.0
4440.0	1.55207	97.2	98.5	99.6	99.7	98.8	99.6	100.0	98.4	99.4	100.0	100.0	100.0	99.9	100.0	100.0	99.8	100.0	100.0	100.0	100.0	100.0
4440.2	1.55202	97.0	98.5	99.6	99.7	98.8	99.6	100.0	98.4	99.4	100.0	100.0	100.0	99.9	100.	100.0	99.8	100.0	100.0	100.0	100.0	100.0
4440.4	1.55198	96.9	98.5	99.6	99.7	98.8	99.6	100.0	98.4	99.3	100.0	100.0	100.0	99.9	100.0	100.0	99.8	100.0	100.0	100.0	100.0	100.0
4440.6	1.55193	97.3	98.5	99.6	99.7	98.8	99.6	100.0	98.4	99.3	100.0	100.0	100.0	99.8	100.0	100.0	99.7	100.0	100.0	100.0	100.0	100.0
4440.8	1.55188	97.5	98.5	99.6	99.5	98.7	99.6	100.0	98.4	99.3	100.0	100.0	100.0	99.7	100.0	100.0	99.7	100.0	100.0	100.0	100.0	100.0
4441.0	1.55183	97.4	98.4	99.6	99.5	98.7	99.6	100.0	98.4	99.3	100.0	100.0	100.0	99.7	100.0	100.0	99.7	100.0	100.0	100.0	100.0	100.0
4441.2	1.55178	97.9	98.3	99.6	99.5	98.8	99.6	100.0	98.4	99.2	100.0	100.0	100.0	99.7	100.0	100.0	99.7	100.0	100.0	100.0	100.0	100.0
4441.4	1.55173	97.1	98.3	99.6	99.5	98.9	99.6	100.0	98.4	99.2	100.0	100.0	100.0	99.7	100.0	100.0	99.7	100.0	100.0	100.0	100.0	100.0
4441.6	1.55169	97.0	98.3	99.6	99.5	98.9	99.6	100.0	98.4	99.2	100.0	100.0	100.0	99.7	100.0	100.0	99.7	100.0	100.0	100.0	100.0	100.0
4441.8	1.55164	96.9	98.3	99.6	99.5	98.8	99.5	100.0	98.4	99.1	100.0	100.0	100.0	99.7	100.0	100.0	99.7	100.0	100.0	100.0	100.0	100.0
4442.0	1.55159	96.8	98.3	99.6	99.5	98.6	99.5	100.0	98.4	99.1	100.0	100.0	100.0	99.6	100.0	100.0	99.7	100.0	100.0	100.0	100.0	100.0
4442.2	1.55154	96.8	98.3	99.6	99.5	98.6	99.5	100.0	98.4	99.1	100.0	100.0	100.0	99.6	100.0	100.0	99.7	100.0	100.0	100.0	100.0	100.0
4442.4	1.55149	96.8	98.2	99.6	99.5	98.5	99.5	100.0	98.3	99.1	100.0	100.0	100.0	99.6	100.0	100.0	99.7	100.0	100.0	100.0	100.0	100.0
4442.6	1.55145	96.9	98.2	99.6	99.5	98.4	99.5	99.9	98.3	99.1	100.0	100.0	100.0	99.6	100.0	100.0	99.6	100.0	100.0	100.0	100.0	100.0
4442.8	1.55140	97.0	98.2	99.6	99.5	98.4	99.5	99.9	98.3	99.1	100.0	100.0	100.0	99.6	100.0	100.0	99.6	100.0	100.0	100.0	100.0	100.0
4443.0	1.55135	97.2	98.2	99.6	99.5	98.5	99.5	99.9	98.3	99.1	100.0	100.0	100.0	99.6	100.0	100.0	99.6	100.0	100.0	100.0	100.0	100.0
4443.2	1.55130	97.3	98.2	99.6	99.5	98.5	99.5	99.9	98.3	99.2	100.0	100.0	100.0	99.6	100.0	100.0	99.6	100.0	100.0	100.0	100.0	100.0
4443.4	1.55125	97.5	98.2	99.6	99.5	98.5	99.5	99.9	98.3	99.2	100.0	100.0	100.0	99.6	100.0	100.0	99.6	100.0	100.0	100.0	100.0	100.0
4443.6	1.55121	97.5	98.2	99.6	99.5	98.5	99.5	99.9	98.3	99.2	100.0	100.0	100.0	99.6	100.0	100.0	99.6	100.0	100.0	100.0	100.0	100.0
4443.8	1.55116	97.5	98.2	99.6	99.5	98.5	99.5	100.0	98.3	99.2	100.0	100.0	100.0	99.6	100.0	100.0	99.6	100.0	100.0	100.0	100.0	100.0
4444.0	1.55111	97.1	98.0	99.6	99.5	98.6	99.4	100.0	98.3	99.2	100.0	100.0	100.0	99.6	100.0	100.0	99.6	100.0	100.0	100.0	100.0	100.0
4444.2	1.55106	96.7	97.8	99.6	99.5	98.5	99.4	100.0	98.3	99.2	100.0	100.0	100.0	99.6	100.0	100.0	99.6	100.0	100.0	100.0	100.0	100.0
4444.4	1.55101	96.4	97.7	99.6	99.5	98.5	99.4	99.9	98.3	99.2	100.0	100.0	100.0	99.6	100.0	100.0	99.6	100.0	100.0	100.0	100.0	100.0
4444.6	1.55096	96.2	97.7	99.6	99.5	98.4	99.4	99.9	98.2	99.2	100.0	100.0	100.0	99.6	100.0	100.0	99.6	100.0	100.0	100.0	100.0	100.0
4444.8	1.55092	96.5	97.8	99.6	99.5	98.4	99.4	99.9	98.2	99.2	100.0	100.0	100.0	99.6	100.0	100.0	99.6	100.0	100.0	100.0	100.0	100.0
4445.0	1.55087	96.9	98.0	99.6	99.5	98.5	99.4	99.9	98.1	99.2	100.0	100.0	100.0	99.6	100.0	100.0	99.6	100.0	100.0	100.0	100.0	100.0
4445.2	1.55082	97.3	98.1	99.6	99.5	98.5	99.4	100.0	98.1	99.2	100.0	100.0	100.0	99.6	100.0	100.0	99.6	100.0	100.0	100.0	100.0	100.0
4445.4	1.55077	97.5	98.1	99.6	99.5	98.7	99.4	100.0	98.1	99.2	100.0	100.0	100.0	99.6	100.0	100.0	99.6	100.0	100.0	100.0	100.0	100.0
4445.6	1.55072	97.1	98.0	99.6	99.5	98.7	99.4	100.0	98.1	99.2	100.0	100.0	100.0	99.6	100.0	100.0	99.6	100.0	100.0	100.0	100.0	100.0
4445.8	1.55068	96.6	97.9	99.6	99.5	98.6	99.5	100.0	98.1	99.2	100.0	100.0	100.0	99.6	100.0	100.0	99.6	100.0	100.0	100.0	100.0	100.0
4446.0	1.55063	95.4	97.7	99.6	99.5	98.3	99.2	99.9	98.1	99.2	100.0	100.0	100.0	99.6	100.0	100.0	99.6	100.0	100.0	100.0	100.0	100.0
4446.2	1.55058	95.1	97.6	99.4	99.5	98.1	99.2	99.9	98.1	99.2	100.0	100.0	100.0	99.6	100.0	100.0	99.4	100.0	100.0	100.0	100.0	100.0
4446.4	1.55053	95.3	97.4	99.4	99.4	97.9	99.2	99.9	98.1	99.2	100.0	100.0	100.0	99.6	100.0	100.0	99.3	100.0	100.0	100.0	100.0	100.0
4446.6	1.55048	95.1	97.5	99.4	99.4	97.9	99.1	99.9	98.1	99.2	100.0	100.0	100.0	99.6	100.0	100.0	99.3	100.0	100.0	100.0	100.0	100.0
4446.8	1.55044	95.1	97.4	99.4	99.4	97.9	99.1	99.9	98.1	99.2	100.0	100.0	100.0	99.6	100.0	100.0	99.4	100.0	100.0	100.0	100.0	100.0
4447.0	1.55039	95.6	97.6	99.4	99.4	98.3	99.3	99.9	97.9	99.2	100.0	100.0	100.0	99.6	100.0	100.0	99.4	100.0	100.0	100.0	100.0	100.0
4447.2	1.55034	96.1	97.7	99.4	99.4	98.2	99.4	99.9	97.9	99.2	100.0	100.0	100.0	99.6	99.9	100.0	99.4	100.0	100.0	100.0	100.0	100.0
4447.4	1.55029	96.7	97.8	99.4	99.4	98.3	99.5	99.9	97.9	99.2	100.0	100.0	100.0	99.6	99.9	100.0	99.4	100.0	100.0	100.0	100.0	100.0
4447.6	1.55024	96.3	97.7	99.4	99.4	98.2	99.4	99.9	97.9	99.2	100.0	100.0	100.0	99.6	99.9	100.0	99.4	100.0	100.0	100.0	100.0	100.0
4447.8	1.55020	95.7	97.5	99.2	99.4	97.9	99.1	99.9	97.9	99.2	100.0	100.0	100.0	99.6	99.9	100.0	99.4	100.0	100.0	100.0	100.0	100.0

Table 4-1 (cont'd)

Slit No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
p(atm)	1.50 x 10^{0}	2.00 x 10^{0}	2.50 x 10^{0}	2.50 x 10^{0}	2.00 x 10^{0}	1.00 x 10^{0}	1.00 x 10^{0}	1.00 x 10^{-1}	1.00 x 10^{-1}	1.00 x 10^{-1}	1.00 x 10^{-1}	1.00 x 10^{-1}	2.30 x 10^{-1}	3.40 x 10^{-2}	1.16 x 10^{-1}	7.70 x 10^{-2}	7.70 x 10^{-2}	7.70 x 10^{-2}	3.87 x 10^{-2}	6.65 x 10^{-1}	6.65 x 10^{-1}
P_e(atm)	3.29 x 10^{0}	3.32 x 10^{0}	3.32 x 10^{0}	3.29 x 10^{0}	2.62 x 10^{0}	1.31 x 10^{0}	1.31 x 10^{0}	2.03 x 10^{1}	1.36 x 10^{1}	1.36 x 10^{1}	1.36 x 10^{1}	1.36 x 10^{1}	9.99 x 10^{-1}	8.00 x 10^{-1}	1.50 x 10^{-1}	1.001 x 10^{0}	3.03 x 10^{-1}	1.001 x 10^{1}	5.03 x 10^{-2}	1.31 x 10^{1}	8.65 x 10^{-1}
a (liter-atm) STP	2.17 x 10^{5}	1.15 x 10^{5}	5.57 x 10^{4}	2.80 x 10^{4}	1.71 x 10^{4}	8.62 x 10^{4}	2.19 x 10^{4}	4.23 x 10^{4}	3.16 x 10^{4}	1.59 x 10^{4}	7.99 x 10^{3}	3.99 x 10^{3}	9.94 x 10^{3}	9.94 x 10^{3}	9.94 x 10^{3}	3.32 x 10^{4}	3.32 x 10^{3}	3.32 x 10^{4}	3.32 x 10^{3}	1.01 x 10^{3}	1.01 x 10^{3}

ν (cm^{-1})	λ (micron)	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100
4461.	1.55015	94.7	96.3	97.6	99.2	97.5	98.2	99.[illegible]	97.3	99.2	100.0	100.0	99.5	100.0	100.0	99.5	100.0	100.0		100.0	100.0
4461.2	1.55011	94.1	96.5	97.8	99.3	97.2	97.8	99.7	97.8	99.2	100.0	100.0	100.0	99.5	99.8	100.0	99.7	100.0		100.0	100.0
4461.4	1.55015	93.5	96.3	97.6	99.3	96.9	97.5	99.5	97.7	99.2	100.0	100.0	100.0	99.5	99.7	100.0	99.5	100.0		100.0	100.0
4461.6	1.55008	93.3	96.3	97.5	99.4	96.8	97.4	99.5	97.7	99.2	99.9	100.0	100.0	99.5	99.7	100.0	99.3	100.0		100.0	100.0
4461.8	1.54994	94.1	96.7	98.0	99.4	97.0	97.4	99.5	97.5	99.1	99.9	100.0	100.0	99.5	99.7	100.0	99.2	100.0		100.0	100.0
4462.	1.54991	94.7	96.9	98.0	99.4	97.3	97.6	99.5	97.5	99.1	99.9	100.0	100.0	99.5	99.8	100.0	99.0	100.0	100.0	100.0	100.0
4462.2	1.54984	95.1	97.1	98.2	99.4	97.7	98.0	99.5	97.5	99.0	99.9	100.0	100.0	99.5	99.8	100.0	99.1	100.0	100.0	100.0	100.0
4462.4	1.54981	95.4	97.1	98.2	99.4	97.6	98.1	99.5	97.4	99.0	99.9	100.0	100.0	99.5	99.8	99.9	99.2	100.0	100.0	100.0	100.0
4462.6	1.54974	94.7	96.5	98.0	99.4	97.1	98.1	99.5	97.3	99.0	99.9	100.0	100.0	99.5	99.8	99.9	99.3	100.0	100.0	100.0	100.0
4462.8	1.54971	93.8	96.3	98.3	99.3	96.6	97.8	99.5	97.2	99.0	99.9	100.0	100.0	99.3	99.8	99.9	99.4	100.0	100.0	100.0	100.0
4463.1	1.54967	91.8	95.6	97.9	99.2	96.1	97.1	99.3	97.1	99.0	99.9	100.0	100.0	99.3	99.8	99.8	99.4	100.0	100.0	100.0	100.0
4463.3	1.54962	90.7	95.2	97.7	99.1	95.8	96.4	99.1	97.1	98.9	99.9	100.0	100.0	99.3	99.8	99.8	99.4	100.0	100.0	100.0	100.0
4463.4	1.54957	91.2	95.1	97.8	99.1	95.9	96.2	99.1	97.1	98.8	99.9	100.0	100.0	99.2	99.7	99.8	99.4	100.0	100.0	100.0	100.0
4463.6	1.54952	91.5	95.3	97.8	99.1	96.1	96.1	99.1	97.1	98.7	99.9	100.0	100.0	99.1	99.6	99.7	99.4	100.0	100.0	100.0	100.0
4463.8	1.54947	92.1	95.8	97.9	99.1	96.3	96.4	99.2	97.1	98.6	99.8	100.0	100.0	99.4	99.7	99.7	99.3	100.0	100.0	100.0	100.0
4464.	1.54943	93.4	96.3	98.0	99.1	96.5	97.0	99.3	97.0	98.6	99.8	100.0	100.0	99.5	99.8	99.7	99.3	100.0	100.0	100.0	100.0
4464.2	1.54938	93.2	96.3	98.1	99.0	96.4	96.2	99.4	97.0	98.5	99.7	100.0	100.0	99.5	99.8	99.7	99.4	100.0	100.0	100.0	100.0
4464.4	1.54933	91.8	95.5	97.8	98.9	96.0	96.0	99.4	96.9	98.5	99.7	100.0	100.0	99.7	99.8	99.5	99.4	99.9	100.0	100.0	100.0
4464.6	1.54928	90.1	94.3	97.4	98.7	95.4	95.8	99.2	96.8	98.4	99.7	100.0	100.0	99.5	99.6	99.5	99.4	99.9	100.0	100.0	100.0
4464.8	1.54923	88.5	92.8	97.0	98.5	94.6	95.6	98.9	96.7	98.3	99.6	100.0	100.0	99.3	99.6	99.5	99.4	99.9	100.0	100.0	100.0
4465.	1.54919	87.3	92.7	96.8	98.3	94.0	95.0	98.8	96.6	98.3	99.5	100.0	100.0	99.2	99.6	99.5	99.4	99.9	100.0	100.0	100.0
4465.2	1.54914	86.9	93.0	96.7	98.2	93.8	94.9	98.6	96.5	98.3	99.6	100.0	100.0	99.3	99.6	99.5	99.3	99.9	100.0	100.0	100.0
4465.4	1.54909	87.4	93.4	96.8	98.3	94.1	94.9	98.9	96.4	98.2	99.5	100.0	100.0	99.3	99.6	99.5	99.2	99.9	100.0	100.0	100.0
4465.6	1.54904	88.7	94.1	97.0	98.5	94.6	95.2	99.2	96.3	98.2	99.5	100.0	100.0	99.3	99.6	99.5	99.1	99.9	100.0	100.0	100.0
4465.8	1.54899	90.7	94.6	97.4	98.5	95.1	95.9	99.3	96.1	98.1	99.5	100.0	100.0	99.3	99.6	99.4	99.2	99.9	100.0	100.0	100.0
4466.	1.54895	91.4	94.6	97.5	98.5	95.5	97.5	99.4	95.9	98.0	99.4	100.0	100.0	99.4	99.6	99.4	99.4	99.9	100.0	100.0	100.0
4466.2	1.54890	90.9	94.1	97.4	98.4	95.6	97.1	99.4	95.8	97.9	99.4	99.9	100.0	99.5	99.6	99.3	99.5	99.9	100.0	100.0	100.0
4466.4	1.54885	89.2	93.2	96.4	98.0	94.9	96.0	99.1	95.7	97.6	99.3	99.9	100.0	99.7	99.7	99.2	99.5	99.9	100.0	100.0	100.0
4466.6	1.54880	85.7	91.3	95.2	97.4	93.8	94.[illegible]	98.5	95.5	97.7	99.2	99.9	100.0	99.7	99.7	99.1	99.5	99.9	100.0	100.0	100.0
4466.8	1.54875	83.5	90.3	95.8	97.5	92.6	94.[illegible]	98.5	95.5	97.6	99.2	99.8	100.0	99.6	99.6	99.0	99.5	99.9	99.9	100.0	100.0
4467.	1.54871	82.3	90.4	95.6	97.5	91.5	93.4	98.4	95.4	97.5	99.1	99.8	100.0	99.1	99.5	99.0	99.3	99.9	99.8	100.0	100.0
4467.2	1.54866	82.1	90.3	95.6	97.5	90.8	92.6	98.5	95.3	97.4	99.1	99.8	100.0	98.8	99.5	99.0	99.2	99.9	99.7	100.0	100.0
4467.4	1.54861	83.9	90.8	95.8	97.7	91.3	92.8	98.7	95.1	97.4	99.1	99.7	100.0	98.8	99.4	99.1	99.2	99.8	99.6	100.0	100.0
4467.6	1.54856	86.0	92.0	95.3	97.9	92.1	94.0	99.0	95.2	97.3	99.1	99.7	100.0	98.9	99.5	99.4	99.1	99.8	99.5	100.0	100.0
4467.8	1.54851	87.5	92.8	95.7	98.0	93.2	95.2	99.2	94.9	97.2	99.0	99.7	100.0	98.9	99.9	99.3	99.3	99.8	99.6	100.0	100.0
4468.	1.54847	88.2	92.8	95.9	98.1	94.4	95.9	99.5	94.7	97.1	98.9	99.6	100.0	99.0	99.1	99.2	99.3	99.8	99.7	100.0	100.0
4468.2	1.54842	86.7	91.8	95.5	97.8	94.4	95.0	98.9	94.5	96.9	98.8	99.6	100.0	99.2	99.4	99.1	99.3	99.8	99.8	100.0	100.0
4468.4	1.54837	84.1	90.2	95.8	97.4	93.2	93.6	98.4	94.4	96.7	98.8	99.6	100.0	99.3	99.6	99.0	99.3	99.8	99.9	100.0	100.0
4468.6	1.54832	81.4	88.7	95.1	97.1	91.4	94.0	97.9	94.3	96.6	98.7	99.5	100.0	99.4	99.6	98.6	99.4	99.8	99.9	100.0	100.0
4468.8	1.54828	78.9	87.5	94.3	96.8	89.5	92.0	97.5	94.2	96.3	98.5	99.5	100.0	99.1	99.5	98.7	99.3	99.8	100.0	100.0	100.0
4469.	1.54823	77.6	87.2	94.0	96.7	88.1	90.[illegible]	97.4	94.0	96.2	98.5	99.5	100.0	98.6	99.4	98.7	99.1	99.8	99.9	100.0	100.0
4469.2	1.54818	77.4	87.4	94.1	96.8	88.0	90.[illegible]	97.5	93.8	96.1	98.5	99.4	100.0	98.1	99.4	98.8	99.2	99.8	99.8	100.0	100.0
4469.4	1.54813	78.5	88.3	94.4	97.1	88.7	90.[illegible]	97.9	93.7	96.0	98.5	99.4	100.0	98.1	99.2	98.8	99.1	99.8	99.7	99.9	100.0
4469.6	1.54808	81.2	89.8	95.0	97.2	90.0	91.[illegible]	98.2	93.5	95.9	98.4	99.4	100.0	98.3	99.9	99.0	98.9	99.8	99.7	99.9	100.0
4469.8	1.54804	83.9	90.5	95.6	97.4	92.0	93.5	98.5	93.3	95.8	98.4	99.3	100.0	98.7	99.8	99.2	98.9	99.8	99.7	99.9	100.0
4470.	1.54799	84.2	90.7	95.8	97.1	92.8	94.[illegible]	98.[illegible]	93.9	95.7	98.3	99.3	100.0	99.2	99.5	99.4	99.2	99.8	99.8	99.9	100.0
4470.2	1.54794	83.0	89.3	94.9	96.6	92.3	94.[illegible]	97.9	93.9	95.6	98.3	99.3	100.0	99.4	99.9	99.4	99.2	99.8	99.8	99.9	100.0
4470.4	1.54789	80.4	86.8	93.5	95.9	90.4	93.[illegible]	97.3	92.8	95.5	98.2	99.2	100.0	99.3	99.1	99.3	99.1	99.8	99.7	99.9	100.0
4470.6	1.54784	75.9	84.3	92.5	95.5	87.8	91.[illegible]	96.4	92.5	95.3	98.1	99.2	100.0	99.0	99.2	99.0	99.1	99.7	99.7	99.9	100.0
4470.8	1.54780	72.2	83.3	91.9	95.3	85.7	88.[illegible]	96.2	92.2	95.2	98.0	99.2	100.0	98.5	99.2	98.6	99.1	99.7	99.5	99.9	100.0
4471.	1.54775	70.0	82.8	91.6	95.3	84.4	87.[illegible]	96.3	92.0	95.0	98.0	99.1	100.0	98.2	99.2	98.5	99.1	99.7	99.5	99.9	100.0
4471.2	1.54771	69.7	83.1	91.6	95.5	84.5	85.[illegible]	96.5	91.9	94.9	97.9	99.1	100.0	98.3	99.5	98.7	99.1	99.7	99.4	99.9	100.0
4471.4	1.54765	72.0	84.8	92.2	96.2	87.1	87.7	97.5	91.4	94.7	97.8	99.1	99.9	97.9	98.5	98.7	99.1	99.7	99.4	99.9	100.0
4471.6	1.54760	75.5	86.5	93.2	96.6	89.7	89.6	97.9	91.2	94.6	97.7	99.0	99.9	98.0	97.9	98.3	99.1	99.7	99.5	99.9	100.0
4471.8	1.54756	78.3	87.2	93.7	96.9	90.7	91.[illegible]	97.9	90.9	94.4	97.5	99.0	99.8	98.3	99.2	98.5	99.3	99.7	99.5	99.9	100.0
4472.	1.54751	78.9	86.3	93.5	96.1	89.9	92.[illegible]	97.5	90.5	94.2	97.5	99.0	99.8	98.3	98.5	98.5	99.3	99.7	99.5	99.9	100.0
4472.2	1.54746	76.0	84.6	92.5	95.1	87.3	92.[illegible]	96.4	90.3	94.0	97.5	99.0	99.7	98.3	98.9	98.5	99.2	99.7	99.5	99.9	100.0
4472.4	1.54741	71.9	81.9	91.7	94.3	83.7	90.[illegible]	95.4	90.1	93.8	97.4	98.9	99.7	98.5	99.1	98.5	99.0	99.7	99.5	99.9	100.0
4472.6	1.54736	67.9	79.5	89.5	93.7	81.3	87.[illegible]	94.8	89.8	93.5	97.3	98.9	99.7	98.2	99.[illegible]	98.3	98.6	99.5	99.4	99.9	100.0
4472.8	1.54732	64.3	78.0	88.4	93.3	79.6	84.[illegible]	94.5	89.6	93.2	97.2	98.9	99.6	97.6	98.8	97.9	98.6	99.4	99.3	99.9	100.0
4473.	1.54727	61.7	77.4	88.0	93.4	80.3	83.[illegible]	94.8	89.5	93.0	97.0	98.9	99.6	97.4	98.2	97.9	98.7	99.4	99.2	99.9	100.0
4473.2	1.54722	62.6	78.3	88.[illegible]	94.4	83.8	84.[illegible]	95.3	89.0	92.8	97.0	98.8	99.5	97.5	97.6	98.1	98.4	99.3	99.3	99.9	100.0
4473.4	1.54717	65.2	80.[illegible]	89.[illegible]	95.1	86.9	84.[illegible]	96.7	88.7	92.6	96.9	98.7	99.5	97.9	97.6	98.4	98.9	99.5	99.4	99.9	100.0
4473.6	1.54713	69.0	82.8	91.7	95.9	88.4	87.[illegible]	97.2	88.4	92.4	96.8	98.7	99.6	98.4	98.6	98.6	99.4	99.7	99.6	99.9	100.0
4473.8	1.54708	72.7	83.5	91.8	94.9	88.7	90.[illegible]	97.1	88.2	92.2	96.7	98.6	99.4	98.8	98.3	98.6	99.2	99.6	99.4	99.9	100.0

A464.0	1.54473	71.6	81.1	93.4	93.7	82.7	91.1	95.1	87.2	93.1	96.5	97.6	99.5	98.5	99.1	99.6	99.7	99.8	100.
A464.2	1.54499	68.3	78.1	93.2	92.7	78.5	89.4	94.4	87.5	93.1	96.5	97.6	99.5	97.9	98.9	99.6	99.6	99.8	99.9
A464.4	1.54493	63.1	75.3	87.2	91.7	75.0	85.9	93.5	87.3	93.0	96.4	97.6	99.4	97.3	98.1	99.5	99.6	99.8	99.9
A464.6	1.54489	57.7	72.3	85.9	91.5	73.4	84.1	92.3	86.9	93.2	96.2	97.5	99.4	96.8	97.6	99.4	99.6	99.8	99.9
A464.8	1.54484	54.1	71.1	84.3	91.5	75.1	84.2	93.2	86.9	93.2	96.2	97.6	99.5	98.2	98.4	99.6	99.7	99.8	99.9
A465.0	1.54479	53.3	71.7	84.4	92.1	78.1	84.6	93.9	86.2	93.8	96.3	97.6	99.1	96.5	97.	97.7	98.4	99.2	99.1
A465.2	1.54474	55.7	73.7	85.5	92.0	81.7	89.6	95.1	86.5	93.9	96.4	97.6	99.1	97.1	97.6	98.1	98.5	99.2	99.2
A465.4	1.54469	59.4	76.5	85.9	93.4	84.7	91.2	96.2	86.5	93.8	96.5	97.6	99.0	97.7	97.	98.1	98.3	99.2	99.4
A465.6	1.54465	63.7	78.7	88.1	93.5	83.6	90.4	96.4	86.2	93.7	96.5	97.7	99.0	98.1	97.4	98.4	99.1	99.3	99.5
A465.8	1.54460	64.9	78.0	89.9	93.0	80.2	87.6	95.6	86.1	93.1	96.4	97.5	99.0	98.1	98.1	98.4	99.2	99.5	99.7
A466.0	1.54455	63.4	75.4	85.9	91.5	75.8	83.2	94.2	84.7	93.1	95.2	97.1	98.9	97.1	98.1	98.4	98.6	99.4	99.5
A466.2	1.54450	59.6	71.7	83.4	90.1	71.7	83.4	92.4	84.6	93.2	95.2	96.9	98.9	96.9	98.1	98.4	98.2	99.3	99.5
A466.4	1.54444	53.9	68.5	82.6	89.4	69.1	81.	91.4	84.3	93.4	95.3	96.8	98.8	95.5	97.6	97.8	97.9	99.1	99.4
A466.6	1.54441	49.2	65.9	81.8	89.3	69.3	77.6	91.3	83.6	93.4	95.4	96.8	98.8	95.1	96.	97.1	97.7	98.9	99.4
A466.8	1.54436	46.5	65.8	79.9	89.5	71.9	79.6	92.3	83.2	93.4	95.4	96.7	98.7	95.3	96.1	97.1	98.0	98.8	99.4
A467.0	1.54431	46.5	67.4	80.3	90.7	76.8	74.0	93.9	82.6	93.2	94.3	96.5	98.7	96.0	95.4	97.2	98.5	99.4	98.6
A467.2	1.54426	49.8	70.3	82.6	92.1	81.1	75.4	95.1	82.2	93.0	94.2	96.4	98.6	96.9	96.1	98.0	98.5	99.2	98.8
A467.4	1.54422	54.9	73.9	84.6	92.5	81.8	80.5	95.8	81.9	93.1	94.1	96.4	98.5	97.5	96.	98.3	98.8	99.2	99.1
A467.6	1.54417	58.3	74.2	85.9	92.2	79.4	84.5	95.5	81.5	93.6	94.0	97.2	98.6	97.7	97.1	98.4	98.7	99.4	99.3
A467.8	1.54412	59.1	72.4	85.7	90.3	74.5	87.0	93.8	81.1	93.2	93.8	97.1	98.6	96.9	98.4	97.9	98.4	99.3	99.4
A468.0	1.54407	56.8	69.1	83.6	88.5	69.4	85.4	91.4	80.6	93.7	93.5	96.9	98.5	95.7	93.5	97.3	98.1	99.1	99.1
A468.2	1.54403	52.1	64.3	81.7	86.8	65.2	81.5	89.3	80.2	93.1	93.4	96.8	98.4	94.5	92.7	96.7	97.6	98.7	98.7
A468.4	1.54398	45.3	60.2	77.6	86.1	63.0	76.7	89.2	79.5	93.6	93.2	96.7	98.5	94.2	95.4	96.3	97.4	98.1	98.4
A468.6	1.54393	40.9	58.6	75.2	86.3	63.4	72.5	89.8	79.1	93.2	93.0	96.6	98.3	93.2	95.4	96.7	97.5	97.8	98.3
A468.8	1.54388	38.5	59.3	75.0	87.7	68.5	70.6	91.7	78.5	94.9	92.8	96.5	98.4	94.4	95.1	97.1	97.9	97.7	98.3
A469.0	1.54383	40.9	62.9	75.3	89.3	74.2	70.8	93.4	78.1	94.8	92.5	96.4	98.4	95.9	95.2	97.5	98.4	98.0	98.5
A469.2	1.54379	46.1	65.9	78.6	90.1	77.5	74.5	94.3	77.6	94.6	92.4	96.3	98.3	96.5	95.6	98.0	98.7	98.3	98.3
A469.4	1.54374	50.5	68.1	81.1	90.3	77.3	80.5	94.5	77.1	94.1	92.3	96.3	98.3	97.0	96.	97.9	98.2	98.1	99.1
A469.6	1.54369	52.7	68.4	81.7	88.1	72.3	83.5	92.5	76.6	93.5	92.3	96.1	98.3	96.6	97.	97.5	98.5	98.3	99.2
A469.8	1.54364	50.2	64.9	79.8	85.5	67.2	82.2	90.2	76.3	93.0	91.7	95.8	98.2	95.3	94.1	96.1	98.1	98.4	99.1
A470.0	1.54360	44.5	59.9	75.6	83.3	61.3	79.2	87.9	75.4	92.6	91.5	95.9	98.1	94.3	94.	96.	97.5	97.8	98.2
A470.2	1.54355	38.7	55.4	73.0	82.5	56.1	72.4	86.2	74.7	93.0	91.2	95.6	98.0	93.3	93.	95.6	97.2	97.4	98.4
A470.4	1.54350	33.8	52.3	73.3	82.7	55.5	67.7	86.4	74.1	91.5	90.8	95.6	97.9	92.4	93.	95.	97.1	97.1	97.8
A470.6	1.54345	30.5	51.5	69.5	84.1	58.9	65.6	88.3	73.5	91.4	90.7	95.5	97.9	92.4	94.	95.	97.2	97.9	97.5
A470.8	1.54340	31.8	54.4	70.6	86.1	64.4	66.0	90.3	72.8	91.2	90.5	96.3	97.8	93.7	94.	96.	97.5	98.0	97.7
A471.0	1.54336	36.1	58.9	73.3	87.4	70.5	68.8	93.0	72.4	90.8	90.3	96.2	97.8	95.3	94.1	97.	98.2	98.2	98.3
A471.2	1.54331	40.3	62.0	75.1	87.2	73.2	75.1	93.4	71.9	89.5	90.1	96.1	97.7	96.3	95.	97.	98.5	98.7	98.5
A471.4	1.54326	43.8	61.7	77.1	89.5	70.9	79.2	91.3	71.5	89.3	89.8	96.0	97.7	96.8	95.	97.	98.5	98.4	98.3
A471.6	1.54321	41.4	57.4	73.4	82.5	66.2	80.5	87.7	71.0	89.8	89.5	96.0	97.7	95.4	97.6	98.	98.3	98.4	98.1
A471.8	1.54317	38.0	52.5	72.4	80.3	60.1	78.4	84.5	70.3	78.9	89.2	96.2	97.6	93.9	96.	96.	97.6	98.1	98.1
A472.0	1.54312	32.6	47.3	63.7	78.3	53.5	71.9	83.2	69.7	78.1	88.8	96.6	97.6	92.2	96.4	95.6	97.1	97.6	98.2
A472.2	1.54307	26.5	44.4	55.5	78.5	50.3	65.6	83.5	69.3	77.6	88.5	97.4	97.5	90.9	94.9	94.1	96.7	97.4	97.8
A472.4	1.54302	24.7	44.6	63.8	80.1	50.2	61.6	85.3	68.4	77.4	88.3	96.3	97.4	90.6	93.4	95.4	96.6	97.4	97.3
A472.6	1.54297	25.1	47.2	64.8	82.6	54.1	63.9	88.2	67.9	77.2	88.1	96.1	97.4	91.3	93.9	96.1	96.8	97.4	97.4
A472.8	1.54293	27.4	51.0	67.3	84.3	61.6	62.8	90.3	67.3	75.8	87.9	96.0	97.3	93.0	93.9	96.3	97.4	97.4	97.4
A473.0	1.54288	32.4	54.9	70.5	84.4	66.2	63.1	91.1	66.8	75.4	87.7	96.9	97.3	95.1	93.6	97.1	98.2	97.9	98.1
A473.2	1.54283	35.9	55.2	71.9	82.5	67.3	73.0	89.5	66.3	75.1	87.5	96.7	97.2	96.1	95.1	96.9	98.3	98.0	98.4
A473.4	1.54278	34.5	52.0	71.2	78.9	64.4	75.1	86.3	65.8	75.4	87.3	96.8	97.2	95.3	95.6	96.5	98.1	98.2	98.3
A473.6	1.54274	30.9	47.3	69.7	79.9	57.5	73.3	81.9	65.2	74.8	87.3	96.4	97.2	93.7	97.6	96.3	98.1	98.1	98.1
A473.8	1.54269	26.1	42.0	54.7	74.3	51.4	67.5	80.1	64.5	74.3	86.5	96.1	97.1	91.8	97.3	95.2	96.5	98.6	98.3
A474.0	1.54264	21.3	38.3	50.7	74.1	46.4	61.2	80.3	63.9	73.4	86.2	95.9	97.0	89.9	95.8	94.3	96.1	97.7	97.5
A474.2	1.54259	18.9	37.9	57.6	75.9	42.5	55.1	81.4	63.2	73.0	85.9	95.7	96.9	89.0	94.0	94.2	95.7	97.0	96.5
A474.4	1.54254	19.1	39.5	53.5	78.7	44.2	55.2	85.2	62.5	72.6	85.5	95.8	96.8	89.1	93.1	94.7	95.5	96.5	96.9
A474.6	1.54250	22.1	43.5	51.4	80.5	49.5	57.6	88.2	61.9	72.2	85.5	95.4	96.6	90.2	91.6	95.4	96.1	96.3	97.3
A474.8	1.54245	25.3	47.1	54.9	80.9	56.1	62.8	89.2	61.2	71.9	85.1	95.3	96.5	92.5	93.0	96.1	96.9	97.1	97.3
A475.0	1.54241	27.5	47.5	67.7	79.2	61.9	70.5	87.3	60.7	71.5	84.8	95.2	96.4	94.4	93.7	96.5	98.0	97.1	98.0
A475.2	1.54235	27.9	45.2	65.2	75.7	60.4	71.5	83.2	60.1	71.0	84.5	95.0	95.3	95.2	95.4	95.9	98.1	97.7	98.2
A475.4	1.54231	25.1	40.1	63.1	72.5	56.4	68.8	79.3	59.6	70.5	84.2	94.9	95.2	94.5	95.8	95.2	97.3	97.0	99.0
A475.6	1.54226	20.4	35.7	59.5	70.4	50.4	63.4	76.5	59.0	70.0	83.8	94.7	95.2	91.7	97.5	94.4	96.3	96.7	98.3
A475.8	1.54221	16.7	32.7	53.5	69.7	42.9	55.9	76.2	58.3	69.1	83.4	94.4	95.1	89.5	95.0	94.1	95.5	97.7	98.3
A476.0	1.54216	14.4	31.5	51.9	71.4	38.5	52.0	78.5	57.5	69.3	83.0	94.1	96.0	87.8	94.1	94.5	95.0	95.6	97.1
A476.2	1.54212	14.0	33.3	53.5	74.4	37.8	50.9	82.4	56.9	67.8	82.5	93.9	95.9	86.9	92.0	94.3	95.0	95.6	96.5
A476.4	1.54207	16.0	37.5	55.5	76.3	40.9	52.6	86.3	56.3	67.4	82.4	93.7	95.7	87.9	93.1	94.5	95.3	95.7	96.3
A476.6	1.54202	18.5	40.5	59.9	77.5	48.1	57.3	87.7	55.7	67.1	82.3	93.6	95.6	90.2	93.1	95.3	96.4	96.0	96.5
A476.8	1.54197	21.0	41.6	62.0	75.7	53.4	53.8	84.7	55.1	65.8	82.1	93.4	95.4	92.7	93.5	95.8	97.1	95.9	97.2
A477.0	1.54192	21.4	39.5	60.3	71.5	55.4	55.6	80.7	54.4	65.3	81.7	93.2	95.3	94.5	93.1	95.9	97.7	98.2	98.3
A477.2	1.54188	18.9	34.9	55.6	67.9	53.9	54.8	76.5	53.7	65.7	81.3	93.0	95.2	93.5	95.1	94.5	96.3	98.8	98.5
A477.4	1.54183	15.9	30.5	51.6	65.3	48.7	53.3	73.5	53.0	65.1	80.8	92.8	95.1	90.9	95.3	94.5	95.2	98.7	98.7
A477.6	1.54178	13.1	27.2	47.7	65.3	42.4	52.0	73.8	52.3	64.2	80.4	92.6	95.0	88.3	95.3	93.7	94.8	97.8	97.9
A477.8	1.54173	11.1	25.9	46.5	67.1	36.5	47.5	76.2	51.7	63.2	80.0	92.4	94.9	86.3	93.5	93.5	94.3	95.4	96.9
A478.0	1.54169	10.9	28.4	48.0	70.4	32.2	45.9	80.5	51.0	62.6	79.5	92.3	94.7	85.0	91.3	93.8	93.9	95.3	96.0
A478.2	1.54164	12.0	31.4	51.7	72.3	33.8	50.1	84.2	50.4	62.3	79.2	92.1	94.6	85.9	93.7	94.2	95.4	95.2	96.1
A478.4	1.54159	14.2	33.8	55.5	73.5	39.7	55.3	84.5	49.7	62.0	78.9	92.0	94.5	88.0	93.2	94.5	95.5	95.9	96.5
A478.6	1.54154	16.1	35.3	55.7	71.3	45.9	59.8	82.1	48.9	61.6	78.5	91.7	94.3	90.8	93.1	94.9	96.7	97.1	97.3
A478.8	1.54150	15.5	33.4	54.0	68.4	50.2	62.3	77.5	48.2	60.9	78.3	91.5	94.4	93.7	93.5	95.1	97.5	97.9	98.1
A479.0	1.54145	13.9	29.7	49.3	64.3	48.1	58.4	72.8	47.5	60.3	77.8	91.3	94.3	92.8	94.9	96.5	96.5	98.4	98.5
A479.2	1.54140	11.3	25.2	44.6	61.5	43.1	51.5	70.5	47.0	59.6	77.3	91.1	94.2	90.5	95.0	93.5	95.1	93.2	98.2
A479.4	1.54135	8.7	22.5	42.1	60.9	36.9	45.2	70.5	46.4	58.8	76.8	91.0	94.1	88.1	95.3	92.5	94.5	97.3	97.5
A479.6	1.54131	7.2	21.7	41.2	62.4	30.3	41.6	72.5	45.7	58.2	76.5	91.0	94.1	84.7	93.9	92.1	93.4	96.7	
A479.8	1.54126	7.1	23.1	42.4	65.5	27.9	42.1	77.8	45.1	57.7	76.2	91.0	93.9	83.5	91.9	92.1	92.4	93.7	95.9

Table 4-1 (cont'd)

Sam. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
p(atm)	2.50 $\times 10^{0}$	2.53 $\times 10^{0}$	2.53 $\times 10^{0}$	2.50 $\times 10^{0}$	2.00 $\times 10^{0}$	1.00 $\times 10^{0}$	1.00 $\times 10^{0}$	1.46 $\times 10^{1}$	1.00 $\times 10^{1}$	1.00 $\times 10^{1}$	1.00 $\times 10^{1}$	1.00 $\times 10^{0}$	2.30 $\times 10^{-1}$	2.30 $\times 10^{-1}$	1.16 $\times 10^{-1}$	7.70 $\times 10^{-2}$	7.70 $\times 10^{-2}$	7.70 $\times 10^{-2}$	3.87 $\times 10^{-2}$	6.65 $\times 10^{-1}$	6.65 $\times 10^{-1}$
P_e(atm)	3.29 $\times 10^{0}$	3.32 $\times 10^{0}$	3.32 $\times 10^{0}$	3.29 $\times 10^{0}$	2.62 $\times 10^{0}$	1.31 $\times 10^{0}$	1.31 $\times 10^{0}$	2.03 $\times 10^{1}$	1.36 $\times 10^{1}$	1.36 $\times 10^{1}$	1.36 $\times 10^{1}$	1.36 $\times 10^{1}$	9.99 $\times 10^{-1}$	3.00 $\times 10^{-1}$	1.50 $\times 10^{-1}$	1.001 $\times 10^{0}$	3.03 $\times 10^{-1}$	1.001 $\times 10^{-1}$	5.03 $\times 10^{-2}$	1.31 $\times 10^{1}$	8.65 $\times 10^{-1}$
α (atm^{-1}cm^{-1}) STP	1.13 $\times 10^{4}$	1.16 $\times 10^{4}$	5.57 $\times 10^{4}$	3.80 $\times 10^{4}$	7.71 $\times 10^{4}$	8.62 $\times 10^{4}$	2.19 $\times 10^{4}$	4.73 $\times 10^{4}$	3.16 $\times 10^{4}$	1.59 $\times 10^{4}$	7.93 $\times 10^{3}$	3.99 $\times 10^{3}$	9.94 $\times 10^{3}$	9.94 $\times 10^{3}$	9.94 $\times 10^{3}$	3.32 $\times 10^{3}$	3.32 $\times 10^{3}$	3.32 $\times 10^{3}$	3.32 $\times 10^{3}$	1.01 $\times 10^{3}$	1.01 $\times 10^{3}$

(cm^{-1})	λ (micron)	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100	T × 100
4480.0	1.54321	8.5	26.7	47.6	68.3	29.4	45.5	81.4	44.3	57.2	75.9	89.2	93.3	83.8	89.4	93.1	93.4	94.6	95.5		98.8	98.5
4480.2	1.54316	10.8	28.9	50.2	69.5	33.9	52.8	82.5	43.5	54.8	75.6	89.5	93.7	86.2	87.9	93.8	94.5	94.8	95.4		98.8	98.6
4480.4	1.54311	11.8	29.7	50.7	67.7	40.3	57.1	80.3	43.2	56.5	75.3	89.7	93.5	89.5	89.4	94.5	96.2	95.9	95.7		98.7	98.4
4480.6	1.54307	11.5	28.5	48.4	65.9	43.6	57.2	74.8	42.4	55.4	74.9	89.4	93.4	91.7	92.0	94.5	96.4	97.2	97.4		98.7	98.7
4480.8	1.54302	10.7	24.9	43.9	59.7	43.4	53.4	70.4	41.8	55.2	74.5	89.1	93.2	91.6	94.4	94.9	95.8	96.0	98.1		98.7	98.6
4481.0	1.54297	8.5	21.1	39.7	57.3	40.3	47.8	67.7	41.2	54.5	74.1	89.4	93.1	89.3	95.5	93.2	94.7	95.1	98.0		98.7	98.5
4481.2	1.54292	6.8	18.7	37.0	56.7	33.8	42.6	67.9	40.7	53.9	73.7	89.2	93.0	85.4	94.0	92.3	93.3	95.5	97.5		98.7	98.2
4481.4	1.54288	5.5	17.3	35.5	55.5	27.7	38.9	72.0	40.1	53.3	73.2	89.0	92.9	82.3	91.3	91.9	92.4	95.1	96.2		98.7	98.1
4481.6	1.54283	5.7	19.1	33.0	52.5	24.5	37.3	76.5	39.5	52.8	72.8	88.8	92.8	81.7	88.9	91.9	92.2	94.1	95.5		98.7	98.2
4481.8	1.54278	6.8	22.0	43.1	55.2	24.7	43.1	80.2	39.1	52.4	72.5	88.6	92.7	82.4	87.3	92.4	93.1	93.6	95.3		98.7	98.3
4482.0	1.54273	7.9	24.1	45.8	65.7	29.3	49.0	80.7	38.8	52.1	72.1	88.1	92.7	85.7	87.7	93.4	94.6	94.6	95.5		98.7	98.5
4482.2	1.54269	8.6	24.9	45.2	63.7	35.3	52.5	77.3	38.4	51.6	71.7	88.0	92.6	89.1	89.2	93.8	95.3	95.6	96.2		98.7	98.5
4482.4	1.54264	8.2	23.5	42.4	59.9	38.9	52.5	72.7	37.8	51.3	71.4	88.1	92.5	90.5	92.0	93.8	96.1	97.0	97.1		98.7	98.4
4482.6	1.54259	6.4	20.5	38.9	55.9	39.2	49.1	67.9	37.2	50.4	71.0	88.4	92.4	89.9	94.6	93.4	95.2	94.2	97.4		98.7	98.2
4482.8	1.54254	5.5	17.3	35.2	53.5	34.9	42.6	64.7	36.7	50.1	70.5	88.1	92.3	86.4	94.9	92.2	93.1	93.6	97.9		98.7	98.1
4483.0	1.54250	4.5	15.0	32.4	53.6	28.4	37.7	65.3	36.3	49.8	70.3	88.1	92.4	83.1	92.6	91.5	91.6	93.0	97.0		98.6	97.9
4483.2	1.54245	4.0	14.5	32.1	50.6	23.3	35.4	69.4	35.9	49.4	70.1	88.0	92.5	80.5	89.4	91.2	90.9	94.1	95.2		98.6	97.9
4483.4	1.54241	4.3	14.5	33.3	50.5	20.7	35.1	75.7	35.4	49.0	69.8	88.0	92.4	79.1	87.3	91.3	91.1	93.5	94.6		98.6	98.0
4483.6	1.54235	4.5	18.7	39.0	52.2	22.1	40.6	78.7	34.9	48.1	69.5	88.0	92.5	80.4	85.1	92.4	92.8	93.5	94.4		98.6	98.0
4483.8	1.54231	5.5	20.5	41.8	51.8	27.6	45.1	77.1	34.3	47.7	69.3	88.1	92.6	84.5	84.3	93.2	94.6	94.3	95.1		98.6	98.4
4484.0	1.54226	5.9	20.4	40.4	58.0	32.6	49.3	72.5	34.0	47.6	69.1	88.2	92.5	88.4	88.5	93.5	95.5	95.	96.3		98.6	98.3
4484.2	1.54221	5.4	18.5	37.2	54.8	35.0	48.8	66.3	33.5	47.2	68.7	88.1	92.4	90.5	92.4	93.5	95.2	97.5	97.1		98.4	98.1
4484.4	1.54216	4.5	16.0	33.3	51.5	32.9	42.6	63.2	33.1	45.5	68.3	88.0	92.4	87.3	94.2	92.5	92.0	97.2	97.9		98.3	97.9
4484.6	1.54212	3.9	13.4	29.6	49.4	28.2	37.0	63.3	32.7	45.2	68.3	88.2	92.5	83.5	92.3	91.5	91.3	96.1	97.3		98.2	97.8
4484.8	1.54207	3.4	12.1	28.4	51.8	23.1	33.3	65.8	32.5	45.0	67.7	88.3	92.6	80.7	94.2	90.5	90.5	96.7	96.1		98.2	97.8
4485.0	1.54202	3.1	13.1	31.4	54.6	18.4	32.4	71.2	32.2	45.4	67.4	88.2	92.6	76.5	87.5	91.6	90.2	97.2	94.8		98.1	97.7
4485.2	1.54197	3.5	15.1	35.4	57.7	18.1	35.3	75.4	31.9	45.1	67.2	88.1	92.4	79.1	85.7	90.2	91.4	97.2	94.5		98.1	97.7
4485.4	1.54192	3.4	17.1	38.9	59.4	21.9	41.9	76.5	31.5	44.9	67.3	88.0	92.6	82.3	83.6	92.1	93.3	97.4	95.3		98.1	97.6
4485.6	1.54188	4.2	18.6	37.7	58.6	26.7	44.9	74.4	31.1	44.6	66.8	88.0	92.6	86.5	87.6	93.7	94.9	97.2	96.7		98.1	97.5
4485.8	1.54183	4.3	17.1	35.0	54.9	30.9	47.0	69.4	30.8	44.3	66.5	88.2	92.7	89.3	91.4	93.1	95.6	96.4	96.6		98.0	98.2
4486.0	1.54178	3.4	15.1	32.4	51.3	31.7	44.1	64.3	30.4	44.0	66.2	88.5	92.7	87.2	93.4	92.5	93.5	97.6	97.5		98.0	98.1
4486.2	1.54173	3.3	12.7	29.0	48.1	28.2	38.9	61.4	30.1	43.6	65.9	88.4	92.6	84.3	93.4	91.6	93.4	97.3	97.3		97.9	97.7
4486.4	1.54169	2.9	11.2	27.0	47.3	23.5	34.0	60.9	29.8	43.2	65.7	88.3	92.5	80.9	92.1	90.8	90.1	96.4	96.4		97.9	97.6
4486.6	1.54164	2.1	10.7	27.3	46.9	18.9	33.5	62.9	29.5	42.8	65.5	88.1	92.5	77.3	89.1	90.1	89.3	93.	95.5		97.9	97.4
4486.8	1.54159	2.9	11.5	29.4	51.7	16.5	32.3	68.0	29.2	42.5	65.4	88.0	92.6	76.3	85.9	90.3	90.3	92.7	94.4		97.9	97.4
4487.0	1.54154	2.6	13.0	32.6	54.7	18.5	33.2	72.6	29.0	42.3	65.4	88.0	92.7	78.3	84.6	91.2	91.3	92.1	94.2		97.7	97.4
4487.2	1.54150	3.0	15.1	34.9	56.5	21.5	37.4	74.3	28.8	42.2	65.3	88.0	92.6	82.5	85.	92.1	93.6	93.2	94.7		97.7	97.3
4487.4	1.54145	3.1	15.4	34.9	55.1	24.9	42.1	73.5	28.5	42.0	65.3	88.0	92.7	87.1	88.1	92.7	95.3	95.3	95.9		97.7	97.1
4487.6	1.54141	3.0	14.3	33.6	53.5	27.9	43.9	67.3	28.4	41.6	65.2	88.0	92.7	88.2	90.2	92.8	94.3	95.4	97.1		97.6	96.9
4487.8	1.54135	2.7	13.4	31.3	49.7	26.6	41.7	63.2	28.3	41.7	64.8	88.0	92.9	85.3	93.5	91.4	92.1	95.4	97.5		97.6	97.2
4488.0	1.54131	2.9	11.3	28.3	46.7	22.8	37.3	60.3	28.1	41.4	64.5	88.0	92.6	81.2	93.4	90.8	90.1	95.1	97.1		97.6	97.4
4488.2	1.54126	1.5	10.1	25.0	45.4	17.5	31.8	59.4	28.1	41.0	64.2	88.0	92.6	77.3	89.8	89.1	89.3	95.3	95.7		97.6	97.4
4488.4	1.54121	1.5	9.3	25.5	47.1	15.4	29.2	63.0	27.8	41.4	64.1	88.1	92.6	75.9	86.1	89.9	89.6	94.1	94.5		97.6	97.3
4488.6	1.54116	1.9	10.6	25.5	50.4	16.6	29.7	67.8	27.6	41.4	64.0	88.1	92.7	77.7	88.4	91.1	91.2	94.2	94.2		97.6	97.3
4488.8	1.54112	2.4	12.1	29.1	53.2	19.9	32.2	71.9	27.4	41.0	63.8	88.0	92.7	81.2	84.1	92.1	93.1	93.2	94.5		97.6	97.3
4489.0	1.54107	2.7	13.3	31.1	55.1	24.2	35.2	74.1	27.3	40.8	63.8	88.1	92.7	85.5	85.1	92.6	94.7	93.1	95.5		97.6	97.4
4489.2	1.54102	2.4	13.8	33.1	54.8	26.3	43.0	71.5	27.1	40.6	63.7	88.1	92.7	87.5	88.7	92.7	94.5	95.2	96.4		97.6	98.
4489.4	1.54097	2.7	13.3	32.1	51.8	25.1	41.0	66.2	27.0	40.4	63.7	88.1	92.8	85.5	90.1	91.8	92.4	96.	97.3		97.6	97.5
4489.6	1.54093	2.8	11.4	29.7	47.7	21.5	38.9	61.4	26.9	40.4	63.5	88.1	92.8	81.8	92.4	90.5	90.7	95.4	97.1		97.6	97.5
4489.8	1.54088	1.7	9.4	25.0	45.0	16.6	33.6	58.5	26.8	40.3	63.5	88.1	92.8	78.0	91.1	89.2	89.4	95.1	95.8		97.4	97.3
4490.0	1.54083	1.6	9.2	25.0	44.2	14.4	29.3	59.1	26.7	40.1	63.3	88.1	92.8	75.9	87.2	88.0	89.3	93.1	94.4		97.4	97.1
4490.2	1.54078	1.6	9.1	24.	45.1	14.8	27.3	62.0	26.6	39.9	63.1	88.1	92.8	76.3	84.0	88.6	90.6	93.1	93.9		97.4	97.2
4490.4	1.54074	1.8	9.7	25.0	49.2	17.2	28.2	66.3	26.5	39.7	63.1	88.1	92.8	79.5	87.1	91.8	92.5	93.1	94.2		97.4	97.2
4490.6	1.54069	1.7	11.2	28.0	52.7	21.1	32.3	71.3	26.5	39.6	63.1	88.1	92.8	83.3	84.7	91.8	94.5	93.1	95.2		97.4	97.
4490.8	1.54064	2.1	12.4	31.2	54.1	24.1	35.6	72.4	26.5	39.4	63.1	88.1	92.8	86.5	88.4	92.5	94.1	93.1	95.6		97.4	97.
4491.0	1.54059	2.3	12.9	32.6	52.4	24.4	39.0	69.7	26.3	39.	63.1	88.1	92.8	85.2	91.0	91.1	92.4	94.0	97.1		97.4	97.0
4491.2	1.54055	2.3	12.4	32.1	49.6	22.3	39.0	65.1	26.3	39.	63.1	88.1	92.8	82.2	92.8	92.8	90.6	94.1	96.6		97.4	97.
4491.4	1.54050	1.9	10.4	28.2	47.5	18.1	35.4	60.3	26.3	39.	63.1	88.1	92.8	78.4	92.0	92.0	89.5	93.9	95.4		97.4	97.
4491.6	1.54045	1.4	9.4	25.	46.0	15.3	32.8	58.6	26.2	39.	63.1	88.1	92.8	75.3	84.1	91.	89.4	92.0	94.2		97.3	97.
4491.8	1.54040	1.2	8.4	24.	45.0	14.7	29.0	59.9	26.1	39.	63.1	88.1	92.8	76.1	83.4	90.2	88.5	91.9	93.4		97.3	97.
4492.0	1.54036	1.	7.	24.0	44.0	16.3	27.1	63.9	26.0	39.	63.1	88.1	92.8	78.2	83.0	91.	88.2	91.7	93.2		97.3	97.
4492.2	1.54031	1.	10.	24.0	43.	20.	29.1	69.9	26.0	39.	63.1	88.1	92.8	81.3	84.1	91.0	90.2	91.	94.0		97.3	97.
4492.4	1.54026	1.	12.	24.	43.	23.9	34.3	72.2	26.0	39.	63.1	88.1	92.8	84.3	87.0	92.0	94.1	91.0	95.		97.3	97.
4492.6	1.54022	1.	12.8	32.1	49.4	24.9	38.2	71.0	26.0	39.	63.1	88.1	92.8	85.2	90.1	92.0	93.1	94.	97.		97.3	97.
4492.8	1.54017	1.	12.6	31.6	50.5	23.4	39.9	67.6	27.0	39.	63.1	88.1	92.8	82.9	88.1	92.1	93.1	94.	97.		97.3	97.

6493.0	1.54012	1.5	11.2	29.3	48.1	19.4	35.5	62.0	27.1	40.9	64.2	78.6	89.3	78.2	90.9	89.5	89.5	94.6	95.9	97.3	97.7
6493.2	1.54007	1.4	10.0	26.7	46.5	15.5	33.9	59.7	27.4	41.1	64.3	78.9	89.4	76.5	87.4	89.7	89.5	92.6	94.7	97.3	97.4
6493.4	1.54003	1.3	9.4	25.1	46.2	15.0	30.1	59.5	27.5	41.2	64.3	74.9	89.4	76.7	84.8	90.3	90.7	91.7	94.1	97.3	97.2
6493.6	1.53998	1.4	9.5	25.2	48.5	16.5	27.9	62.1	27.5	41.5	64.5	80.0	89.4	79.0	83.8	91.2	92.2	91.8	94.1	97.3	97.1
6493.8	1.53993	1.7	11.0	27.2	53.0	21.1	29.3	68.3	28.0	41.9	64.5	80.2	89.5	84.0	85.4	91.7	94.3	92.9	94.7	97.3	97.3
6494.0	1.53988	2.0	12.3	30.4	54.9	24.1	33.0	71.8	28.2	42.1	65.0	80.4	89.5	86.3	87.9	91.5	94.2	95.1	96.3	97.3	97.5
6494.2	1.53984	2.2	13.4	32.9	55.0	25.0	37.1	72.8	28.4	42.4	65.3	80.6	89.6	85.7	90.5	91.1	93.2	95.4	96.9	97.3	97.8
6494.4	1.53979	2.3	13.9	33.2	53.4	23.8	39.8	69.3	28.7	42.7	65.5	80.8	89.7	82.9	92.4	90.2	91.7	95.4	96.8	97.4	98.0
6494.6	1.53974	2.3	12.7	32.1	50.9	19.7	39.1	64.5	29.2	43.0	65.9	80.9	89.8	79.4	90.8	89.7	90.5	94.8	95.7	97.4	98.0
6494.8	1.53969	2.2	11.4	29.7	49.1	17.0	35.5	61.5	29.5	43.2	66.1	81.0	90.0	77.5	88.1	89.5	90.0	93.3	94.5	97.4	97.9
6495.0	1.53965	2.0	10.0	25.0	48.3	16.0	31.5	61.2	30.1	43.5	66.4	81.2	90.1	77.5	85.7	89.9	90.5	92.4	94.1	97.4	97.7
6495.2	1.53960	1.9	10.4	27.5	50.5	17.2	28.3	63.3	30.3	44.0	66.5	81.4	90.1	79.8	84.1	90.3	92.8	92.0	94.0	97.5	97.5
6495.4	1.53955	2.1	11.4	28.2	54.3	21.6	28.7	68.9	30.5	44.4	66.8	81.6	90.2	83.4	84.7	91.4	94.3	93.3	95.2	97.5	97.6
6495.6	1.53950	2.5	12.9	31.3	56.3	25.2	32.2	72.4	30.9	44.9	67.0	81.8	90.2	85.9	87.3	91.7	94.9	95.0	96.4	97.5	97.7
6495.8	1.53946	2.9	14.4	33.9	57.5	27.2	36.9	73.9	31.2	45.4	67.4	82.1	90.3	86.5	90.5	91.7	94.3	95.5	97.3	97.5	97.8
6496.0	1.53941	3.0	14.9	33.5	56.5	25.9	40.1	70.7	31.6	45.9	67.9	82.3	90.4	83.8	92.1	90.9	92.9	95.3	97.1	97.5	98.0
6496.2	1.53936	3.0	14.5	33.3	54.8	23.1	40.2	68.9	32.0	45.4	68.3	82.6	90.5	81.2	90.6	90.3	91.5	95.1	96.5	97.6	98.1
6496.4	1.53931	2.5	13.7	33.2	53.0	20.3	37.9	64.2	32.5	45.9	68.5	82.8	90.6	79.5	89.4	90.0	91.0	93.9	95.5	97.7	98.0
6496.6	1.53927	2.7	12.5	31.5	52.7	18.2	33.5	63.2	33.0	47.5	69.2	83.0	90.8	79.0	85.1	90.1	91.2	93.2	94.7	97.7	97.8
6496.8	1.53922	2.5	12.5	30.7	54.5	19.5	30.6	65.5	33.5	48.0	69.5	83.2	90.9	80.5	85.3	91.3	92.5	93.0	94.5	97.8	97.7
6497.0	1.53917	2.2	12.9	32.4	58.1	22.6	31.3	69.5	34.1	48.6	70.0	83.4	91.0	83.4	85.7	91.3	94.0	93.8	94.7	97.8	97.7
6497.2	1.53912	2.5	14.5	33.4	60.5	26.5	34.1	73.5	34.7	49.3	70.5	83.7	91.2	86.3	87.3	91.5	95.1	94.9	95.5	97.8	97.8
6497.4	1.53908	3.0	16.5	35.6	61.3	30.4	35.3	76.2	35.4	50.0	71.2	84.1	91.3	88.3	90.2	92.2	95.5	95.1	96.9	97.9	98.1
6497.6	1.53903	3.5	18.5	40.2	61.3	30.7	42.0	74.0	36.1	50.7	71.9	84.5	91.4	87.2	92.1	92.0	94.4	95.6	97.5	97.8	98.3
6497.8	1.53898	3.9	18.6	39.6	59.9	29.0	43.0	71.1	36.9	51.5	72.3	84.9	91.5	85.3	92.3	91.3	93.4	95.4	97.4	97.8	98.4
6498.0	1.53894	4.0	18.0	38.5	58.5	25.9	41.4	68.1	37.4	52.3	72.5	85.2	91.7	83.3	90.9	90.9	92.5	95.5	96.4	97.9	98.5
6498.2	1.53889	4.1	17.0	37.0	59.1	23.7	39.3	67.7	38.1	53.2	73.3	85.5	91.9	82.1	89.9	90.3	92.4	94.7	95.4	97.9	98.4
6498.4	1.53884	4.0	16.9	37.6	61.1	23.4	36.2	70.1	38.7	54.0	73.9	85.8	92.1	82.1	87.4	91.2	92.9	94.0	95.0	98.0	98.3
6498.6	1.53879	4.5	17.9	39.6	64.5	25.3	36.2	74.1	39.5	54.9	74.4	86.1	92.3	83.5	85.7	91.9	93.9	93.8	95.1	98.0	98.3
6498.8	1.53875	5.4	19.5	42.8	67.3	30.1	39.1	70.2	40.5	55.7	75.1	86.5	92.4	86.5	89.9	92.4	95.5	94.2	95.7	98.1	98.3
6499.0	1.53870	7.0	23.5	45.5	69.0	35.9	45.7	80.1	41.4	56.5	75.9	86.8	92.6	89.5	89.2	92.9	96.3	95.8	96.7	98.1	98.4
6499.2	1.53865	7.9	25.5	48.4	68.7	38.6	49.7	78.5	42.3	57.3	76.5	87.2	92.7	90.2	91.5	93.1	96.2	95.9	97.3	98.2	98.5
6499.4	1.53860	8.2	26.5	48.9	68.3	38.6	50.9	76.1	43.1	58.3	77.1	87.6	92.9	89.3	93.3	93.0	95.7	97.4	97.5	98.2	98.6
6499.6	1.53856	8.5	26.6	48.0	67.9	35.7	48.9	74.5	43.9	59.4	77.5	88.0	93.2	87.9	93.4	92.3	95.3	97.0	97.1	98.3	98.7
6499.8	1.53851	8.2	25.7	47.6	68.3	33.4	45.1	73.4	44.7	60.4	78.1	88.4	93.4	86.7	91.7	92.5	95.0	95.9	96.7	98.3	98.8
6500.0	1.53846	8.2	25.6	47.7	70.9	32.7	42.9	77.9	45.6	61.4	78.7	88.8	93.6	86.4	90.1	93.0	95.1	95.3	96.3	98.4	98.8
6500.2	1.53841	9.0	27.0	49.1	73.9	34.5	43.5	81.9	46.5	62.4	79.4	89.1	93.8	87.1	88.9	93.5	95.5	95.2	96.0	98.4	98.8
6500.4	1.53837	11.5	30.5	53.5	76.3	40.9	48.9	85.1	47.6	63.4	80.1	89.4	94.0	88.3	88.9	94.1	96.9	95.9	96.3	98.4	98.8
6500.6	1.53832	14.4	35.0	57.9	78.0	47.5	55.1	86.0	48.6	64.4	80.8	89.7	94.2	91.5	90.8	94.3	97.2	95.8	96.9	98.4	98.9
6500.8	1.53827	16.9	38.3	61.0	78.5	51.6	59.4	85.4	49.6	65.5	81.3	90.0	94.5	93.4	93.0	94.4	97.3	97.6	97.5	98.5	99.1
6501.0	1.53822	18.3	40.2	62.4	78.5	52.7	61.1	84.2	50.5	66.6	81.9	90.3	94.7	93.4	94.7	94.4	97.2	98.2	98.3	98.5	99.2
6501.2	1.53818	18.9	40.5	62.5	78.5	50.8	59.2	83.7	51.5	67.7	82.5	90.6	94.9	92.5	93.2	94.2	96.7	98.3	98.2	98.7	99.2
6501.4	1.53813	18.5	41.0	62.9	79.5	49.3	55.4	84.7	52.4	68.6	83.1	90.9	95.1	91.5	94.4	94.4	96.7	97.9	97.9	98.9	99.2
6501.6	1.53808	19.9	42.7	65.1	82.0	49.4	55.8	86.9	53.2	69.4	83.7	91.2	95.2	91.7	93.7	94.5	97.0	97.7	97.5	99.0	99.3
6501.8	1.53804	22.4	46.2	69.2	84.5	51.7	59.2	89.5	54.0	70.2	84.3	91.5	95.3	92.3	93.3	95.5	97.4	97.6	97.5	99.0	99.3
6502.0	1.53799	26.8	51.5	71.9	86.9	57.3	64.6	92.7	54.9	71.0	84.8	91.8	95.5	93.8	93.1	96.7	97.8	97.6	97.5	99.0	99.4
6502.2	1.53794	33.4	58.3	75.2	88.2	65.4	72.8	94.0	55.5	71.8	85.2	92.0	95.6	95.5	93.9	97.5	98.3	98.3	98.0	99.0	99.5
6502.4	1.53789	40.5	63.0	78.6	89.0	71.4	78.6	94.5	56.3	72.7	85.5	92.3	95.8	96.8	95.4	98.0	98.7	98.9	98.5	99.0	99.6
6502.6	1.53785	43.9	64.9	79.6	89.2	74.6	81.7	94.4	57.0	73.2	85.9	92.5	95.9	97.5	97.1	97.9	99.0	98.4	99.1	99.0	99.6
6502.8	1.53780	44.3	64.3	79.3	88.5	74.7	82.1	93.1	57.3	73.7	86.1	92.6	96.0	98.0	98.3	97.5	98.9	99.7	99.4	99.0	99.6
6503.0	1.53775	42.5	61.9	77.8	87.5	72.5	79.4	91.5	57.5	74.1	86.2	92.7	96.0	97.5	98.7	97.3	98.7	99.8	99.5	99.0	99.7
6503.2	1.53770	39.4	58.9	74.9	86.0	69.8	75.7	90.0	57.9	74.1	86.2	92.8	96.1	96.5	95.3	96.9	98.3	99.5	99.6	99.1	99.7
6503.4	1.53766	33.5	55.3	72.7	84.9	64.9	71.5	88.9	57.9	74.1	86.2	92.8	96.1	95.3	97.4	96.4	97.8	99.0	99.4	99.1	99.7
6503.6	1.53761	29.9	52.5	71.2	83.9	61.1	67.4	88.4	57.9	73.9	86.1	92.7	96.2	94.4	95.4	96.0	97.8	99.6	98.9	99.2	99.7
6503.8	1.53756	27.9	50.9	70.2	83.4	59.3	65.3	88.6	57.7	73.7	85.9	92.6	96.3	94.2	95.6	95.9	97.9	99.3	98.4	99.2	99.7
6504.0	1.53752	26.5	50.0	69.4	82.8	58.9	65.0	88.9	57.4	72.9	85.4	92.5	96.3	94.6	95.1	95.5	97.8	98.3	98.1	99.2	99.7
6504.2	1.53747	26.1	48.9	68.6	81.9	59.0	65.6	88.7	56.7	72.0	84.9	92.1	96.3	94.9	95.4	95.5	97.9	98.4	98.1	99.3	99.7
6504.4	1.53742	25.3	47.0	66.9	79.7	59.1	65.4	87.4	56.0	71.1	84.3	91.8	96.3	94.9	96.3	95.4	98.0	98.8	98.2	99.3	99.7
6504.6	1.53737	23.3	43.5	63.7	77.3	54.9	65.6	83.2	55.3	69.9	83.7	91.4	96.3	93.4	95.5	94.5	96.9	99.0	98.7	99.3	99.7
6504.8	1.53733	20.1	38.9	59.3	74.5	47.9	61.9	79.9	54.4	68.9	83.1	90.9	96.1	91.4	95.8	93.5	96.1	98.6	98.3	99.3	99.5
6505.0	1.53728	15.9	33.9	54.4	71.7	41.1	56.5	77.5	53.4	67.6	82.3	90.4	96.0	89.2	94.3	93.0	95.5	97.8	97.9	99.3	99.4
6505.2	1.53723	12.7	29.5	51.7	70.2	36.5	50.4	76.5	52.4	66.1	81.3	89.9	95.8	87.5	92.3	92.9	95.1	95.9	97.1	99.3	99.3
6505.4	1.53718	9.9	27.7	50.2	69.7	35.1	46.1	77.4	51.4	64.6	80.4	89.4	95.5	87.5	90.4	92.8	95.3	96.0	96.5	99.3	99.2
6505.6	1.53714	8.5	26.8	49.6	69.5	36.2	44.6	78.7	50.3	63.2	79.5	89.0	95.2	88.9	90.1	92.7	95.7	95.0	96.3	99.3	99.2
6505.8	1.53709	8.5	26.5	49.4	69.1	37.7	45.3	79.1	49.2	61.8	78.7	88.5	94.9	89.9	90.7	92.5	96.0	95.5	96.5	99.3	99.2
6506.0	1.53704	8.9	26.1	48.6	67.9	38.0	47.7	77.9	48.0	60.5	77.9	88.0	94.7	89.5	91.9	92.2	95.9	97.0	97.3	99.3	99.1
6506.2	1.53700	7.9	23.2	46.3	65.2	34.9	48.8	74.1	46.9	59.3	77.1	87.5	94.4	87.6	92.8	91.5	94.5	97.2	97.5	99.3	98.9
6506.4	1.53695	6.4	20.3	42.1	62.5	29.5	46.3	71.0	45.5	58.1	76.4	86.9	94.2	85.3	92.2	91.2	93.7	95.3	97.3	99.3	98.8
6506.6	1.53690	5.1	17.7	39.3	60.4	25.1	41.9	68.9	44.2	56.9	75.5	86.4	93.9	83.5	90.5	91.0	93.3	95.3	96.5	99.2	98.8
6506.8	1.53685	3.9	15.5	37.4	58.9	22.3	38.8	68.3	42.9	55.6	74.5	85.8	93.7	83.2	88.3	90.9	93.3	94.5	95.7	99.1	98.7
6507.0	1.53681	3.4	15.1	35.3	58.7	22.5	33.3	69.9	41.5	54.4	73.4	85.3	93.4	84.2	87.2	90.9	94.2	94.5	95.9	99.0	98.5
6507.2	1.53676	3.1	14.9	35.9	58.7	23.8	32.8	71.3	40.2	53.1	72.3	84.8	93.1	85.5	89.3	90.7	94.5	94.9	96.1	98.9	99.4
6507.4	1.53671	2.9	14.5	35.9	58.4	24.5	33.5	71.5	39.0	51.9	71.4	84.3	92.9	85.7	89.5	90.5	94.1	95.6	96.3	98.8	98.4
6507.6	1.53666	2.7	14.2	35.1	57.1	24.1	34.7	70.1	37.9	50.7	70.5	83.9	92.6	84.3	90.1	90.3	93.2	95.1	96.4	98.7	98.4
6507.8	1.53662	2.7	13.1	33.8	55.2	21.4	34.7	66.5	36.5	49.5	69.9	83.4	92.4	82.0	90.1	90.3	92.2	95.3	96.1	98.5	98.5
6508.0	1.53657	2.7	12.0	31.9	53.1	18.7	33.3	64.1	35.4	48.4	69.1	83.0	92.1	80.2	88.3	89.7	91.7	94.2	95.7	98.5	98.6
6508.2	1.53652	2.5	10.9	29.6	51.3	16.7	31.3	63.1	34.4	47.3	68.3	82.5	91.8	79.6	88.5	89.7	92.0	93.5	95.3	98.5	97.7
6508.4	1.53648	2.1	9.9	29.4	50.7	16.3	29.0	63.9	33.4	46.3	67.5	82.0	91.5	80.3	88.9	89.4	92.5	93.4	94.7	98.4	97.7
6508.6	1.53643	1.9	9.7	29.0	50.9	17.7	28.4	66.0	32.4	45.3	66.9	81.6	91.2	82.7	88.2	89.4	93.3	93.8	94.9	98.3	97.8
6508.8	1.53638	1.7	9.8	29.3	51.4	18.7	28.9	66.9	31.5	44.3	66.1	81.1	91.0	82.9	87.1	89.3	92.9	94.4	95.2	98.2	97.9

Table 4-1 (cont'd)

Sect. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
ℓ (atm)	2.50×10^{0}	2.53×10^{0}	2.53×10^{0}	2.50×10^{0}	2.00×10^{0}	1.00×10^{0}	1.00×10^{0}	1.46×10^{-1}	1.00×10^{-1}	1.00×10^{-1}	1.00×10^{-1}	1.00×10^{0}	2.30×10^{-1}	2.30×10^{-1}	1.16×10^{-1}	7.70×10^{-2}	7.70×10^{-2}	7.70×10^{-2}	3.87×10^{-2}	6.65×10^{-1}	6.65×10^{-1}
P_e (atm)	3.29×10^{0}	3.32×10^{0}	3.32×10^{0}	3.29×10^{0}	2.62×10^{0}	1.31×10^{0}	1.31×10^{0}	2.03×10^{1}	1.36×10^{1}	1.36×10^{1}	1.36×10^{1}	1.36×10^{1}	9.99×10^{-1}	3.00×10^{-1}	1.50×10^{-1}	1.001×10^{0}	3.03×10^{-2}	1.001×10^{-1}	5.03×10^{-2}	1.31×10^{1}	8.65×10^{-1}
u (atm cm) STP	2.17×10^{5}	3.10×10^{5}	5.57×10^{4}	7.60×10^{3}	8.71×10^{4}	8.62×10^{4}	2.19×10^{4}	4.73×10^{4}	3.16×10^{4}	1.59×10^{4}	7.93×10^{3}	3.99×10^{3}	9.94×10^{3}	9.94×10^{3}	9.94×10^{3}	3.32×10^{3}	3.32×10^{3}	3.32×10^{3}	3.32×10^{3}	1.01×10^{3}	1.01×10^{3}

ν (cm^{-1})	λ (micron)	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100
6509.0	1.53633	1.7	10.0	25.4	51.2	18.7	30.0	66.2	30.5	43.2	65.4	80.7	90.7	81.6	88.5	89.1	91.6	94.9	95.5		98.0	97.9
6509.2	1.53629	1.7	9.5	27.7	49.8	16.5	31.2	62.9	29.7	42.2	64.5	80.2	90.5	79.1	88.7	88.5	90.3	94.8	96.0		98.0	97.8
6509.4	1.53624	1.5	8.5	25.1	47.4	14.2	29.6	59.7	28.8	41.2	63.9	79.8	90.3	76.3	86.7	88.1	89.9	93.1	95.3		97.9	97.7
6509.6	1.53619	1.2	7.7	24.4	45.6	12.8	27.1	58.1	28.0	40.5	63.3	79.4	90.1	76.4	84.2	88.3	90.2	92.1	94.4		97.8	97.6
6509.8	1.53615	0.9	7.3	23.1	44.4	12.7	24.5	58.5	27.1	39.7	62.8	78.9	89.8	78.3	83.0	89.1	91.1	91.9	93.7		97.8	97.5
6510.0	1.53610	0.7	7.0	22.5	44.9	14.5	23.3	61.4	26.3	39.0	62.2	78.5	89.6	80.9	83.4	89.5	92.3	92.4	93.7		97.7	97.4
6510.2	1.53605	0.7	7.1	22.7	45.8	16.0	24.6	64.2	25.5	38.2	61.7	78.1	89.4	82.1	85.9	89.5	92.7	93.7	94.4		97.6	97.4
6510.4	1.53600	0.7	7.4	23.7	46.7	16.7	25.8	65.0	25.0	37.5	61.1	77.8	89.1	81.9	88.1	89.3	91.2	94.3	95.3		97.5	97.4
6510.6	1.53596	0.9	7.7	24.3	46.1	16.4	29.3	63.2	24.4	36.8	60.5	77.4	88.9	78.4	88.6	88.3	89.7	94.1	96.1		97.4	97.5
6510.8	1.53591	0.9	7.5	23.9	44.5	14.3	29.8	59.5	23.8	35.1	60.3	77.1	88.6	75.4	87.3	88.2	88.7	93.1	95.5		97.3	97.4
6511.0	1.53586	0.9	7.0	22.4	42.1	12.5	28.3	56.7	23.1	35.5	59.3	75.8	88.4	73.9	84.1	88.0	88.7	91.8	94.7		97.2	97.2
6511.2	1.53582	0.8	6.2	21.0	40.5	11.1	25.6	55.7	22.5	34.9	58.7	74.5	88.1	75.3	82.5	88.3	89.5	91.0	93.7		97.2	97.0
6511.4	1.53577	0.7	5.3	19.7	40.1	10.5	22.3	57.0	21.9	34.2	58.1	75.2	87.9	77.5	82.7	88.5	90.8	91.1	93.2		97.1	96.9
6511.6	1.53572	0.5	5.7	19.1	41.2	12.5	22.4	60.8	21.4	33.7	57.4	75.0	87.7	79.8	82.8	88.5	91.7	92.0	93.7		97.0	96.9
6511.8	1.53567	0.4	5.7	19.9	42.5	13.6	23.8	62.4	21.0	33.3	57.4	75.4	87.5	80.4	83.6	88.4	91.0	93.3	94.5		97.0	96.9
6512.0	1.53563	0.3	6.0	20.7	42.9	14.0	25.7	61.3	20.6	32.8	57.1	75.6	87.3	78.2	87.4	88.0	89.5	93.9	95.2		96.9	97.0
6512.2	1.53558	0.2	5.9	20.8	41.9	13.3	26.7	58.4	20.1	32.4	56.7	75.4	87.1	75.3	85.9	87.4	88.1	93.2	95.4		96.9	97.1
6512.4	1.53553	0.2	5.4	20.3	39.7	11.3	25.9	55.0	19.7	32.0	56.4	75.1	87.0	72.8	84.8	86.9	87.3	91.7	94.9		96.8	97.0
6512.6	1.53549	0.2	4.8	19.2	37.8	9.5	23.6	53.3	19.3	31.5	56.1	74.8	86.9	72.2	82.6	86.7	87.9	90.3	94.1		96.8	96.8
6512.8	1.53544	0.2	4.5	17.5	37.2	8.5	20.5	53.7	19.0	31.2	55.9	74.6	86.8	74.2	81.1	86.5	89.3	90.3	93.2		96.8	96.7
6513.0	1.53539	0.2	4.3	15.6	38.0	9.2	19.0	57.2	18.7	30.9	55.5	74.3	86.7	76.5	81.5	86.8	90.3	91.1	92.9		96.8	96.7
6513.2	1.53534	0.2	4.3	15.7	39.1	10.4	19.2	59.1	18.4	30.4	55.3	74.1	86.6	78.1	82.8	87.2	90.7	92.1	93.2		96.8	96.6
6513.4	1.53530	0.2	4.4	17.7	39.8	11.3	20.5	59.4	18.1	30.3	55.2	73.9	86.5	77.9	84.9	87.4	89.7	93.0	93.9		96.8	96.7
6513.6	1.53525	0.2	4.5	19.2	39.7	11.5	22.5	58.0	17.9	30.0	54.3	73.7	86.4	75.5	85.5	87.1	88.0	92.9	94.7		96.7	96.7
6513.8	1.53520	0.2	4.4	17.9	38.2	10.5	22.4	53.8	17.7	29.8	54.5	73.6	86.2	73.5	84.8	86.9	87.3	91.8	94.9		96.7	96.8
6514.0	1.53516	0.2	4.1	15.8	36.4	9.1	20.9	52.0	17.5	29.6	54.4	73.6	86.1	72.1	83.2	86.8	87.4	90.6	94.5		96.6	96.7
6514.2	1.53511	0.2	3.8	15.0	35.8	8.0	19.9	52.2	17.4	29.5	54.2	73.5	86.0	72.3	81.8	86.7	88.4	90.4	93.8		96.6	96.6
6514.4	1.53506	0.2	3.5	15.4	36.0	7.5	17.5	54.4	17.3	29.3	54.0	73.4	85.9	74.9	82.7	86.6	89.5	90.8	93.2		96.6	96.5
6514.6	1.53501	0.2	3.5	15.2	37.0	8.2	15.9	56.3	17.1	29.2	53.8	73.3	85.9	76.5	81.5	86.5	89.7	91.5	93.3		96.5	96.5
6514.8	1.53497	0.2	3.5	15.8	37.7	8.9	17.0	56.4	16.9	29.0	53.5	73.2	85.8	76.5	83.0	86.5	88.9	92.2	93.5		96.4	96.5
6515.0	1.53492	0.2	3.9	15.3	37.7	9.2	17.5	55.1	16.8	28.9	53.5	73.2	85.7	74.7	84.2	86.5	87.7	92.8	94.1		96.3	96.5
6515.2	1.53487	0.2	3.9	15.3	36.8	8.8	18.0	52.7	16.7	28.8	53.5	73.1	85.7	72.8	84.1	86.5	87.2	92.0	94.3		96.3	96.5
6515.4	1.53483	0.2	3.7	15.9	35.6	8.2	17.2	52.1	16.6	28.7	53.5	73.1	85.6	72.1	82.9	86.5	87.3	91.0	94.1		96.3	96.5
6515.6	1.53478	0.2	3.5	15.2	35.5	7.9	15.5	53.0	16.5	28.7	53.5	73.1	85.6	72.5	81.4	86.9	88.1	90.4	93.7		96.3	96.5
6515.8	1.53473	0.3	3.5	15.0	36.4	7.9	15.2	55.2	16.5	28.7	53.5	73.1	85.6	74.4	80.8	87.1	89.4	90.7	93.2		96.3	96.5
6516.0	1.53468	0.3	3.5	15.3	37.5	8.3	15.9	57.3	16.5	28.6	53.5	73.0	85.6	76.3	82.1	86.9	89.7	91.7	93.5		96.3	96.5
6516.2	1.53464	0.2	3.5	15.1	38.1	9.3	15.5	56.9	16.4	28.6	53.4	73.0	85.6	76.5	83.7	86.5	89.1	92.5	94.0		96.3	96.5
6516.4	1.53459	0.3	3.7	15.6	37.3	10.0	19.8	55.1	16.4	28.6	53.4	73.0	85.6	75.2	84.7	86.1	88.0	92.6	94.3		96.3	96.5
6516.6	1.53454	0.3	3.7	15.5	36.5	10.1	19.9	53.0	16.4	28.6	53.4	73.0	85.5	73.0	83.9	86.3	86.8	91.6	94.4		96.3	96.5
6516.8	1.53450	0.2	3.6	15.1	35.9	9.1	19.0	52.7	16.4	28.6	53.4	73.0	85.5	72.0	82.3	86.4	87.2	90.8	94.1		96.3	96.5
6517.0	1.53445	0.1	3.5	15.6	36.2	8.5	18.6	54.8	16.4	28.6	53.5	73.0	85.5	72.8	81.3	86.5	88.5	90.4	93.9		96.3	96.5
6517.2	1.53440	0.1	4.0	15.0	37.7	8.4	18.9	57.8	16.4	28.6	53.5	73.0	85.5	74.9	80.9	86.9	89.7	90.5	93.4		96.3	96.5
6517.4	1.53435	0.1	4.4	15.7	39.1	9.3	20.4	60.0	16.5	28.6	53.7	73.1	85.5	77.4	81.7	87.1	90.2	91.6	93.2		96.3	96.6
6517.6	1.53431	0.1	4.5	17.6	39.5	10.9	22.8	58.5	16.5	28.6	53.8	73.1	85.5	77.5	83.8	86.8	89.3	92.8	93.7		96.3	96.7
6517.8	1.53426	0.2	4.7	18.3	38.3	11.8	23.8	56.0	16.5	28.8	53.9	73.2	85.5	76.0	85.0	86.5	88.3	93.1	94.5		96.3	96.8
6518.0	1.53421	0.2	4.7	18.2	37.5	11.8	23.6	53.5	16.7	28.9	54.0	73.3	85.6	73.5	85.0	86.5	87.5	92.6	95.2		96.3	96.7
6518.2	1.53417	0.1	4.7	17.6	37.0	10.9	21.7	52.8	16.8	29.1	54.1	73.4	85.6	72.2	83.2	86.3	87.4	91.2	94.7		96.4	96.7
6518.4	1.53412	0.0	4.5	15.6	37.2	9.7	20.0	54.9	16.9	29.3	54.3	73.5	85.7	72.8	81.4	86.3	88.4	90.4	93.9		96.4	96.6
6518.6	1.53407	0.1	4.5	15.6	38.3	9.1	19.6	57.5	17.1	29.4	54.5	73.7	85.6	74.5	80.5	86.5	89.5	90.5	93.8		96.4	96.6
6518.8	1.53402	0.2	4.8	17.1	40.1	9.9	20.7	59.9	17.3	29.7	54.8	73.9	85.8	77.3	80.8	86.9	90.4	91.5	93.1		96.4	96.7
6519.0	1.53398	0.2	5.0	18.1	40.8	11.0	22.6	59.4	17.5	29.9	55.0	74.1	85.9	78.0	83.4	87.1	90.3	92.5	93.3		96.4	96.8
6519.2	1.53393	0.2	5.3	19.3	40.5	12.1	23.6	57.3	17.7	30.2	55.3	74.2	86.0	76.9	85.0	87.0	89.4	93.0	94.0		96.4	96.8
6519.4	1.53388	0.3	5.3	19.1	39.6	12.4	23.6	55.2	17.9	30.5	55.5	74.4	86.0	75.2	85.5	86.9	88.5	92.8	94.5		96.4	96.8
6519.6	1.53384	0.4	5.1	19.5	38.3	11.6	22.5	54.5	18.1	30.8	55.8	74.6	86.1	73.7	84.4	86.7	88.3	91.7	95.3		96.3	96.8
6519.8	1.53379	0.4	4.9	17.7	39.3	10.5	23.1	56.3	18.4	31.2	56.1	74.8	86.2	73.7	82.5	86.6	89.2	90.8	94.4		96.3	96.8
A-20.0	1.53374	0.3	4.7	17.8	40.3	9.4	19.3	57.9	18.5	31.5	56.6	75.0	86.3	75.1	81.5	86.4	90.8	90.8	93.9		96.3	96.7
A-20.2	1.53370	0.4	4.8	18.5	41.4	9.8	19.6	58.9	18.9	31.9	56.9	75.2	86.4	76.9	81.6	86.4	90.7	91.6	93.5		96.3	96.7
A-20.4	1.53365	0.4	5.0	19.4	41.3	10.9	20.3	58.2	19.2	32.3	57.2	75.5	86.5	77.5	83.2	86.7	90.7	92.5	93.4		96.3	96.8
A-20.6	1.53360	0.3	5.1	19.7	41.3	11.5	20.6	57.0	19.5	32.7	57.5	75.7	86.6	76.7	84.6	87.0	89.8	92.6	93.9		96.3	96.8
A-20.8	1.53355	0.3	5.2	19.7	41.5	11.5	20.3	56.7	20.0	33.1	58.0	75.8	86.8	75.5	84.2	87.2	89.2	92.7	94.3		96.3	96.8
A-21.0	1.53351	0.3	5.2	19.6	41.5	11.2	19.6	57.5	20.3	33.5	58.4	75.3	86.9	74.6	83.8	87.3	89.2	92.2	94.5		96.1	96.8
A-21.2	1.53346	0.3	5.3	19.4	42.5	10.6	19.8	59.5	20.6	34.0	58.9	75.6	87.0	75.6	82.7	87.4	89.9	91.7	94.2		96.3	96.9
A-21.4	1.53341	0.5	5.4	20.2	43.9	12.5	20.4	60.7	21.0	34.4	59.4	75.9	87.1	76.9	82.7	87.5	90.6	91.8	93.9		96.3	96.9
A-21.6	1.53337	0.5	6.0	21.0	44.5	11.0	21.4	61.0	21.3	34.9	59.9	77.2	87.3	78.1	83.3	87.4	91.1	92.6	93.9		96.4	96.9
A-21.8	1.53332	0.5	6.4	21.7	44.8	12.2	23.0	60.0	21.7	35.4	60.4	77.4	87.4	78.5	84.5	87.5	91.1	93.0	94.1		96.5	97.0

Table 4-1 (cont'd)

Sam. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
p(atm)	2.50×10^{0}	2.53×10^{0}	2.53×10^{0}	2.50×10^{0}	2.00×10^{0}	1.00×10^{0}	1.00×10^{0}	1.46×10^{1}	1.00×10^{1}	1.00×10^{1}	1.00×10^{1}	1.00×10^{0}	2.30×10^{-1}	2.30×10^{-1}	1.16×10^{-1}	7.70×10^{-2}	7.70×10^{-2}	7.70×10^{-2}	3.87×10^{-2}	6.65×10^{-1}	6.65×10^{-1}
P_e(atm)	3.29×10^{0}	3.32×10^{0}	3.32×10^{0}	3.29×10^{0}	2.62×10^{0}	1.31×10^{0}	1.31×10^{0}	2.03×10^{1}	1.36×10^{1}	1.36×10^{1}	1.36×10^{1}	1.36×10^{1}	9.99×10^{-1}	3.00×10^{-1}	1.50×10^{-1}	1.001×10^{0}	3.03×10^{-1}	1.00×10^{-2}	5.03×10^{-2}	1.31×10^{1}	8.65×10^{-1}
u (atm cm) STP	2.17×10^{5}	1.10×10^{5}	5.57×10^{4}	2.80×10^{4}	8.71×10^{4}	8.62×10^{4}	2.19×10^{4}	4.73×10^{4}	3.16×10^{4}	1.59×10^{4}	7.93×10^{3}	3.99×10^{3}	9.94×10^{3}	9.94×10^{3}	9.94×10^{3}	3.32×10^{3}	3.32×10^{3}	3.32×10^{3}	3.32×10^{3}	1.01×10^{3}	1.01×10^{3}

ν (cm^{-1})	λ (micron)	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100
6538.6	1.52958	26.3	52.7	64.1	86.2	62.4	55.8	89.6	70.1	78.7	89.1	94.2	96.6	95.2	93.3	99.2	98.2	97.5	97.1		99.4	99.5
6538.2	1.52947	32.8	59.1	78.6	88.2	67.6	61.9	91.5	70.9	79.9	90.0	94.4	95.7	96.0	94.2	95.9	98.4	97.7	97.4		99.4	99.5
6538.4	1.52943	38.7	63.5	75.0	90.0	71.8	65.3	93.2	72.1	81.1	90.7	94.7	96.7	96.3	95.5	96.4	98.7	98.3	97.8		99.4	99.5
6538.6	1.52938	44.3	67.1	78.5	90.8	74.7	73.6	93.8	73.4	82.4	91.3	95.0	96.9	97.3	95.5	96.7	98.9	98.8	98.2		99.4	99.5
6538.8	1.52933	48.5	69.7	81.3	91.4	76.5	75.6	94.1	74.6	83.5	92.0	95.3	97.0	97.4	97.1	96.9	99.1	99.0	98.4		99.4	99.5
6539.0	1.52929	51.2	71.1	82.8	91.8	77.5	78.3	94.2	75.8	84.5	92.5	95.7	97.2	97.3	97.2	97.0	99.1	99.2	98.5		99.4	99.5
6539.2	1.52924	51.9	71.5	83.8	92.0	78.0	79.1	94.1	76.9	85.4	93.0	95.9	97.4	97.3	97.3	97.0	99.0	99.3	98.6		99.4	99.6
6539.4	1.52919	52.0	71.5	84.2	92.0	77.7	79.4	94.1	78.0	85.3	93.4	96.2	97.5	97.3	97.4	97.1	99.0	99.2	98.5		99.4	99.6
6539.6	1.52915	51.9	71.5	84.3	91.9	77.4	79.2	94.1	79.1	87.0	93.7	96.5	97.7	97.3	97.4	97.1	99.0	99.1	98.9		99.4	99.6
6539.8	1.52910	51.3	71.2	84.2	91.9	77.0	78.7	94.1	79.9	87.4	93.9	96.6	97.8	97.1	97.5	97.2	98.9	99.0	98.9		99.4	99.6
6540.0	1.52905	50.7	70.7	84.1	91.9	76.6	79.2	94.0	80.4	87.7	94.0	96.7	97.9	97.1	97.5	97.2	98.9	99.0	98.9		99.4	99.6
6540.2	1.52901	50.1	70.3	83.9	91.7	76.3	77.8	93.9	80.9	87.9	94.1	96.8	98.0	97.1	97.5	97.2	98.9	99.1	98.9		99.4	99.6
6540.4	1.52896	49.5	70.0	83.5	91.5	75.9	77.2	93.7	81.1	88.1	94.2	96.8	98.0	97.0	97.5	97.2	98.9	99.2	98.9		99.4	99.6
6540.6	1.52891	48.7	69.4	83.1	91.3	75.5	76.6	93.5	81.2	88.1	94.2	96.8	98.1	97.0	97.4	97.1	98.9	99.2	98.9		99.4	99.6
6540.8	1.52886	47.8	68.9	83.0	91.1	74.9	76.0	93.5	81.4	88.1	94.2	96.9	98.1	97.0	97.4	97.1	98.9	99.3	98.7		99.4	99.7
6541.0	1.52882	47.0	68.2	82.7	91.0	74.5	75.3	93.4	81.5	88.1	94.2	96.9	98.2	97.0	97.3	96.8	98.8	99.2	98.7		99.4	99.7
6541.2	1.52877	46.3	67.5	82.2	90.7	74.2	74.7	93.1	81.6	88.1	94.2	96.9	98.2	96.9	97.0	96.6	98.7	99.1	98.7		99.5	99.7
6541.4	1.52872	45.5	66.8	81.8	90.5	73.7	74.2	92.9	81.6	88.1	94.2	96.9	98.2	96.7	95.9	96.5	98.7	99.2	98.7		99.5	99.7
6541.6	1.52868	44.7	66.1	81.3	90.3	72.9	73.8	92.5	81.5	88.1	94.1	96.9	98.2	96.6	95.8	96.4	98.7	99.2	98.7		99.5	99.7
6541.8	1.52863	43.8	65.5	80.9	90.1	72.1	73.1	92.3	81.4	88.1	94.1	96.9	98.2	96.5	95.8	96.3	98.6	99.3	98.7		99.5	99.8
6542.0	1.52858	43.0	65.0	80.6	89.9	71.5	72.5	92.5	81.3	88.1	94.0	96.9	98.2	96.4	95.8	96.3	98.6	99.4	98.7		99.5	99.9
6542.2	1.52854	42.2	64.5	80.2	89.7	71.4	72.1	92.4	81.2	87.8	93.9	96.8	98.2	96.3	95.8	96.2	98.6	99.7	98.7		99.5	99.9
6542.4	1.52849	41.5	63.9	79.9	89.5	71.1	71.6	92.2	81.0	87.5	93.9	96.8	98.2	96.1	95.8	96.1	98.6	99.9	98.7		99.5	99.9
6542.6	1.52844	40.9	63.3	79.5	89.3	70.7	71.0	92.0	80.7	87.3	93.9	96.8	98.2	95.9	95.6	96.1	98.5	99.8	98.7		99.6	99.9
6542.8	1.52840	40.2	62.6	79.2	88.9	70.0	70.2	91.7	80.5	87.1	93.7	95.7	98.2	95.7	95.6	96.0	98.5	99.7	98.7		99.6	99.9
6543.0	1.52835	39.2	61.5	78.8	88.7	69.1	69.5	91.5	80.3	86.9	93.5	95.7	98.2	95.5	95.4	95.9	98.5	99.7	98.6		99.6	99.9
6543.2	1.52830	38.3	60.9	78.3	88.5	68.5	68.7	91.2	80.0	86.7	93.5	95.7	98.2	95.4	95.2	95.8	98.4	99.6	98.6		99.7	99.9
6543.4	1.52826	37.4	60.5	77.8	88.3	68.1	68.2	91.1	79.8	86.5	93.4	95.6	98.2	95.4	95.1	95.5	98.4	99.5	98.5		99.7	99.9
6543.6	1.52821	36.7	60.4	77.4	88.1	67.5	67.8	91.1	79.5	86.4	93.3	95.6	98.2	95.3	95.1	95.5	98.4	99.5	98.5		99.7	99.9
6543.8	1.52816	36.2	60.1	77.3	88.0	67.1	67.7	91.0	79.4	86.2	93.2	96.6	98.2	95.2	95.0	95.4	98.5	99.5	98.5		99.7	99.9
6544.0	1.52812	35.8	59.5	77.0	87.8	66.9	67.6	90.9	79.0	85.9	93.0	96.6	98.2	95.1	95.0	95.4	98.5	98.6	98.5		99.7	99.9
6544.2	1.52807	35.3	58.9	76.7	87.5	66.5	67.2	90.5	78.7	85.9	92.9	96.5	98.1	95.0	95.0	95.3	98.6	99.6	98.5		99.7	99.9
6544.4	1.52802	34.5	58.2	75.2	87.4	66.0	66.8	90.1	78.5	85.5	92.8	96.5	98.1	94.9	95.0	95.2	98.5	99.4	98.5		99.7	99.9
6544.6	1.52798	34.1	57.6	75.7	87.1	65.7	66.1	89.9	78.5	85.3	92.7	96.5	98.1	94.9	95.0	95.1	98.5	99.5	98.5		99.7	99.9
6544.8	1.52793	33.6	57.1	75.4	86.9	65.0	65.3	89.9	78.3	85.1	92.5	95.4	98.0	94.5	95.9	95.0	98.4	99.5	98.5		99.7	99.9
6545.0	1.52788	33.0	56.7	75.2	86.8	64.4	64.6	89.5	77.9	85.0	92.5	95.4	98.0	94.7	95.7	95.0	98.3	99.5	98.5		99.7	99.9
6545.2	1.52784	32.5	56.5	75.0	86.7	63.9	64.2	89.8	77.7	84.9	92.4	95.3	98.0	94.7	95.4	95.0	98.2	99.5	98.5		99.7	99.9
6545.4	1.52779	32.5	56.2	74.8	86.7	64.0	64.4	89.8	77.5	84.7	92.4	96.3	98.0	94.8	95.6	95.0	98.1	99.5	98.5		99.7	99.9
6545.6	1.52774	32.5	55.8	74.7	86.5	64.2	64.6	89.5	77.3	84.5	92.3	95.2	98.0	94.7	95.7	95.0	98.1	99.5	98.5		99.7	99.9
6545.8	1.52770	32.2	55.3	74.4	86.2	64.0	64.5	89.1	77.1	84.2	92.2	95.2	98.0	94.5	95.7	95.0	98.1	99.5	98.4		99.7	99.9
6546.0	1.52765	31.1	54.7	74.0	86.1	63.2	63.9	88.7	76.8	84.0	92.1	95.2	98.0	94.4	95.5	95.1	98.1	99.4	98.4		99.7	99.9
6546.2	1.52760	30.5	54.5	73.6	85.9	62.4	63.1	88.5	76.7	83.9	92.1	96.1	97.9	94.5	95.3	95.1	98.1	99.2	98.4		99.7	99.9
6546.4	1.52756	30.0	54.3	73.3	85.9	61.9	62.7	88.5	76.5	83.8	92.0	96.1	97.9	94.5	95.0	95.1	98.1	99.1	98.3		99.7	99.9
6546.6	1.52751	29.9	54.1	73.1	85.7	61.7	62.4	88.5	76.2	83.7	91.9	96.1	97.9	94.5	94.9	95.0	98.1	99.0	98.3		99.7	99.9
6546.8	1.52746	30.0	54.0	73.1	85.5	61.6	62.1	88.7	76.0	83.5	91.9	95.0	97.8	94.5	95.2	95.0	98.1	99.1	98.3		99.7	99.9
6547.0	1.52742	30.1	53.9	73.1	85.5	61.9	62.5	88.7	75.9	83.4	91.7	96.0	97.8	94.5	95.3	94.9	98.0	99.3	98.3		99.7	99.9
6547.2	1.52737	29.9	53.5	73.0	85.5	62.1	62.7	88.5	75.9	83.2	91.5	96.0	97.8	94.3	95.5	94.9	97.9	99.4	98.2		99.7	99.9
6547.4	1.52732	29.4	53.3	72.6	85.4	62.0	62.5	88.2	75.8	83.1	91.5	96.0	97.8	94.1	95.6	94.7	97.8	99.4	98.2		99.7	99.9
6547.6	1.52728	28.8	52.9	72.3	85.1	60.9	61.6	88.0	75.5	82.9	91.5	95.9	97.8	94.1	95.4	94.5	97.8	99.1	98.1		99.7	99.9
6547.8	1.52723	28.5	52.5	72.2	84.9	60.1	61.3	88.1	75.5	82.9	91.5	95.9	97.8	94.2	95.0	94.5	97.8	99.0	98.1		99.7	99.9
6548.0	1.52718	28.4	52.7	72.1	84.9	59.7	61.3	88.2	75.4	82.9	91.4	95.9	97.8	94.3	94.9	94.5	97.9	99.0	98.0		99.7	99.9
6548.2	1.52714	28.4	53.0	72.2	85.0	59.9	61.7	88.5	75.3	82.8	91.4	95.8	97.7	94.5	95.0	94.5	97.9	99.1	98.0		99.7	99.9
6548.4	1.52709	29.2	53.0	72.4	85.1	61.0	62.5	88.7	75.1	82.8	91.3	95.8	97.7	94.5	95.4	94.5	97.9	99.0	98.0		99.7	99.8
6548.6	1.52704	29.4	52.9	72.5	85.1	61.4	62.	88.4	75.0	82.8	91.3	95.8	97.7	94.4	95.4	94.5	98.0	99.0	98.0		99.7	99.8
6548.8	1.52700	29.4	52.5	72.2	84.9	61.3	62.6	88.3	75.0	82.8	91.3	95.8	97.7	94.2	95.2	94.4	98.0	99.0	98.0		99.7	99.8
6549.0	1.52695	28.9	52.3	71.9	84.7	60.0	61.9	87.8	74.9	82.6	91.3	95.8	97.7	94.1	95.0	94.4	98.0	99.0	98.0		99.7	99.8
6549.2	1.52690	28.5	52.2	71.7	84.7	59.9	61.9	87.8	74.9	82.7	91.3	95.7	97.7	94.3	94.9	94.4	98.0	99.1	98.0		99.7	99.8
6549.4	1.52686	28.2	52.4	71.7	84.7	59.5	61.4	88.1	74.9	82.7	91.3	95.7	97.7	94.5	94.9	94.4	97.9	99.1	98.0		99.7	99.8
6549.6	1.52681	28.0	52.9	71.9	84.8	60.2	61.8	88.5	74.9	82.6	91.3	95.7	97.7	94.5	94.9	94.4	97.9	99.1	98.0		99.7	99.8
6549.8	1.52676	28.9	53.3	72.2	84.9	61.4	62.4	88.8	74.9	82.6	91.3	95.7	97.7	94.5	95.1	94.4	97.9	99.1	98.0		99.7	99.8
6550.0	1.52672	29.7	53.[illegible]	72.[illegible]	85.[illegible]	62.[illegible]	63.[illegible]	88.[illegible]	74.9	82.6	91.3	95.7	97.7	94.4	95.3	94.5	97.8	99.2	98.0		99.7	99.8
6550.2	1.52667	30.1	53.3	72.6	84.9	62.[illegible]	64.[illegible]	88.[illegible]	75.[illegible]	82.6	91.3	95.7	97.6	94.1	95.1	94.5	97.8	99.2	98.0		99.7	99.8
6550.4	1.52662	29.5	52.8	72.3	84.7	60.3	63.4	87.9	75.[illegible]	82.5	91.3	95.7	97.6	94.0	94.9	94.5	97.7	99.[illegible]	98.0		99.7	99.8
6550.6	1.52658	29.0	52.7	71.9	84.7	59.5	63.[illegible]	88.0	75.[illegible]	82.5	91.3	95.6	97.6	94.5	95.[illegible]	94.5	97.7	99.[illegible]	98.0		99.7	99.8
6550.8	1.52653	29.0	53.0	72.1	84.8	59.5	63.[illegible]	88.3	75.[illegible]	82.5	91.4	95.6	97.6	94.7	95.[illegible]	94.5	97.6	99.1	98.0		99.7	99.8

A551.0	1.52448	29.5	53.7	72.4	85.7	40.8	57.1	68.2	75.1	82.5	91.4	95.6	97.5	94.4	95.1	94.4	97.6	98.1	98.1	99.7	99.7
A551.2	1.52444	30.4	54.1	72.4	85.1	42.4	57.4	68.1	75.2	82.6	91.5	95.6	97.5	94.5	95.5	94.5	97.4	98.1	98.1	99.7	99.7
A551.4	1.52439	31.1	54.2	73.1	85.2	42.8	57.4	68.2	75.3	82.6	91.5	95.6	97.6	94.3	95.5	94.7	97.3	98.0	98.1	99.6	99.7
A 51.6	1.52434	31.4	54.2	73.1	85.2	42.8	57.5	68.4	75.5	82.7	91.5	95.7	97.6	94.3	95.4	94.7	97.2	98.0	98.1	99.6	99.7
A551.8	1.52430	30.7	53.3	73.0	85.1	40.5	56.5	68.1	75.5	82.9	91.5	95.7	97.5	94.3	95.6	94.7	97.3	98.0	98.1	99.6	99.7
A552.0	1.52425	30.4	53.5	72.9	85.1	40.1	56.5	68.2	75.3	82.9	91.5	95.7	97.6	94.5	94.6	94.3	97.5	98.0	98.1	99.6	99.7
A552.2	1.52420	30.4	53.3	72.9	85.2	40.7	57.4	68.5	75.3	83.0	91.5	95.7	97.6	94.3	94.7	94.3	97.7	98.0	98.1	99.5	99.7
A552.4	1.52416	30.7	54.5	73.1	85.3	42.2	57.7	69.1	76.0	83.1	91.5	95.8	97.7	95.3	95.5	94.3	97.8	98.0	98.1	99.5	99.7
A552.6	1.52411	31.5	55.3	73.4	85.7	43.4	58.1	69.2	76.2	83.2	91.5	95.8	97.7	94.4	95.3	95.2	97.7	98.0	98.1	99.5	99.7
A552.8	1.52407	32.2	55.5	73.8	85.8	43.5	58.1	69.1	76.4	83.3	91.5	95.8	97.7	94.7	95.5	95.1	97.7	98.1	98.1	99.5	99.7
A553.0	1.52402	32.5	55.5	73.9	85.8	42.8	58.4	68.9	76.5	83.4	91.7	95.8	97.7	94.7	95.5	95.3	97.5	98.1	98.1	99.5	99.7
A553.2	1.52397	31.7	55.1	73.8	85.7	41.9	58.4	68.7	76.8	83.6	91.8	95.8	97.7	94.3	95.1	95.3	97.5	98.1	98.1	99.5	99.7
A553.4	1.52393	31.7	55.3	73.7	85.7	42.0	58.1	68.8	76.9	83.8	91.9	95.8	97.7	95.0	94.9	95.4	97.7	98.1	98.0	99.5	99.7
A553.6	1.52388	31.8	55.8	73.8	85.9	42.2	58.2	69.1	77.1	83.9	92.7	95.8	97.7	95.2	94.8	95.4	97.8	98.1	98.1	99.5	99.7
A553.8	1.52383	32.2	56.5	74.2	86.2	44.3	58.4	69.2	77.2	84.1	92.1	95.8	97.7	95.3	95.5	95.4	97.8	98.1	98.0	99.5	99.7
A554.0	1.52379	33.4	57.4	74.8	86.5	45.4	59.2	69.2	77.5	84.2	92.2	95.8	97.7	95.1	95.4	95.5	97.8	98.2	98.0	99.5	99.7
A 54.2	1.52374	34.3	57.8	75.4	86.5	45.4	59.1	69.5	77.7	84.4	92.3	95.8	97.7	95.1	95.6	95.5	97.8	98.2	98.2	99.5	99.7
A554.4	1.52369	34.7	57.7	75.4	86.5	44.7	57.5	69.5	77.8	84.6	92.3	95.9	97.7	95.3	95.6	95.5	97.8	98.3	98.0	99.5	99.7
A554.6	1.52365	34.5	57.9	75.4	86.7	44.2	56.4	69.5	77.9	84.8	92.4	95.9	97.7	94.9	95.5	95.5	97.9	98.3	98.0	99.5	99.7
A554.8	1.52360	34.7	58.5	75.5	86.9	44.3	56.6	69.9	78.1	85.0	92.4	95.9	97.7	95.1	95.2	95.5	98.0	98.4	98.1	99.5	99.7
A555.0	1.52355	35.3	59.3	75.9	87.2	45.4	58.4	70.4	78.4	85.2	92.5	95.9	97.8	95.5	95.4	95.5	98.1	98.4	98.1	99.5	99.7
A555.2	1.52351	36.7	60.1	76.4	87.5	47.4	59.3	70.9	78.8	85.3	92.7	95.9	97.8	95.8	95.6	95.5	98.2	98.4	98.1	99.5	99.6
A555.4	1.52344	37.9	60.7	77.0	87.7	48.3	59.2	71.0	79.1	85.5	92.8	95.9	97.9	95.8	95.8	95.5	98.2	98.4	98.2	99.5	99.7
A555.6	1.52341	38.7	61.1	77.4	87.9	48.7	59.0	70.9	79.4	85.7	92.9	95.9	97.9	95.8	95.8	95.5	98.3	98.5	98.2	99.5	99.7
A555.8	1.52337	39.9	61.2	77.6	87.8	48.0	59.4	70.7	79.7	85.9	93.2	95.9	97.9	95.8	95.9	95.9	98.3	98.5	98.3	99.5	99.7
A556.0	1.52332	39.2	61.5	77.7	88.3	47.5	59.1	70.7	80.0	86.1	93.0	95.9	97.9	95.9	95.7	96.0	98.3	98.5	98.3	99.5	99.7
A556.2	1.52327	39.5	62.3	77.6	88.1	48.0	59.9	71.1	80.4	86.3	93.1	95.9	97.9	96.1	95.9	96.0	98.4	98.6	98.3	99.5	99.7
A556.4	1.52323	40.0	62.5	78.2	88.7	49.1	59.6	71.5	80.7	86.5	93.2	95.9	97.9	96.3	95.9	96.1	98.4	98.6	98.4	99.5	99.7
A556.6	1.52318	40.8	63.2	78.8	89.2	50.4	61.2	71.9	81.0	86.7	93.4	95.9	97.9	96.3	95.9	96.1	98.4	98.6	98.4	99.5	99.7
A556.8	1.52313	41.4	63.7	79.4	89.2	50.4	61.4	71.8	81.3	87.0	93.5	95.9	97.9	96.1	95.9	96.2	98.4	98.6	98.4	99.5	99.7
A557.0	1.52309	41.9	64.1	79.6	89.4	50.5	61.7	71.8	81.7	87.2	93.7	95.9	97.9	96.2	95.9	96.2	98.5	98.6	98.4	99.5	99.7
A 57.2	1.52304	42.0	64.4	79.9	89.5	50.0	61.3	71.7	82.0	87.5	93.8	95.9	98.0	96.3	95.9	96.3	98.5	98.6	98.4	99.5	99.7
A557.4	1.52299	42.1	64.9	80.1	89.5	50.7	61.5	71.9	82.3	87.8	93.9	95.9	98.0	96.3	95.9	96.3	98.5	98.6	98.5	99.5	99.7
A557.6	1.52295	43.3	65.9	80.6	90.0	51.6	62.5	72.3	82.7	88.1	94.1	95.9	98.0	96.3	95.9	96.4	98.5	98.7	98.5	99.5	99.7
A557.8	1.52290	44.8	67.1	81.1	90.3	52.7	63.5	72.7	82.9	88.3	94.1	95.9	98.0	96.3	95.9	96.4	98.5	98.7	98.5	99.5	99.7
A558.0	1.52286	46.3	67.4	81.7	90.5	54.1	64.1	73.0	83.2	88.6	94.2	95.9	98.0	96.3	95.9	96.4	98.5	98.7	98.5	99.5	99.7
A558.2	1.52281	46.9	67.9	82.1	90.7	54.3	64.0	73.1	83.5	88.8	94.3	95.9	98.0	96.4	95.9	96.5	98.4	98.7	98.5	99.5	99.7
A558.4	1.52276	47.2	68.3	82.5	90.9	54.2	64.0	73.1	83.9	89.1	94.4	95.9	98.0	96.3	95.9	96.5	98.5	98.8	98.5	99.5	99.7
A558.6	1.52272	47.5	69.4	82.8	91.1	54.3	64.1	73.2	84.2	89.2	94.5	95.9	98.1	96.5	95.9	96.5	98.6	98.8	98.5	99.5	99.7
A558.8	1.52267	48.5	70.4	82.9	91.2	54.4	64.5	73.2	84.5	89.3	94.7	97.0	98.1	96.5	95.9	96.7	98.7	98.8	98.5	99.5	99.7
A559.0	1.52262	50.0	71.2	83.4	91.5	75.1	75.8	83.2	84.9	89.5	94.8	97.0	98.1	96.7	97.1	96.8	98.7	98.9	98.5	99.6	99.7
A559.2	1.52258	51.5	72.3	84.0	92.3	76.1	76.8	84.0	85.3	89.8	94.9	97.1	98.1	96.3	97.2	96.9	98.4	98.9	98.5	99.6	99.7
A559.4	1.52253	52.2	72.7	84.6	92.8	77.1	77.4	84.2	85.6	90.1	95.1	97.2	98.2	96.9	97.4	96.9	98.4	98.9	98.7	99.6	99.7
A559.6	1.52248	53.1	73.3	85.0	92.4	77.5	77.9	84.2	86.0	90.4	95.2	97.3	98.2	97.0	97.6	97.0	98.8	99.0	98.7	99.6	99.7
A559.8	1.52244	54.2	74.1	85.4	92.7	77.8	78.4	84.2	86.4	90.7	95.4	97.3	98.3	97.1	97.4	97.1	98.9	99.0	98.7	99.6	99.7
A560.0	1.52239	55.3	74.8	85.8	93.0	78.0	78.8	84.5	86.8	90.9	95.5	97.4	98.3	97.2	97.5	97.3	98.9	99.1	98.7	99.6	99.7
A560.2	1.52234	56.4	75.5	86.2	93.2	78.7	79.4	84.5	87.2	91.2	95.7	97.5	98.4	97.3	97.7	97.4	98.9	99.1	98.7	99.6	99.7
A560.4	1.52230	57.4	76.4	86.7	93.4	79.5	80.3	84.6	87.5	91.4	95.8	97.6	98.4	97.3	97.7	97.2	98.9	99.2	98.8	99.7	99.7
A560.6	1.52225	58.4	77.1	87.2	93.6	80.5	81.2	85.1	87.8	91.6	95.9	97.7	98.4	97.4	97.8	97.3	98.9	99.2	98.8	99.7	99.7
A560.8	1.52220	59.7	77.9	87.7	93.8	81.4	81.1	85.5	88.1	91.9	96.0	97.8	98.5	97.4	97.8	97.4	98.9	99.2	98.8	99.7	99.7
A561.0	1.52215	60.5	78.3	88.1	93.9	81.8	81.6	85.4	88.4	92.2	96.1	97.9	98.5	97.4	97.9	97.5	99.0	99.3	98.8	99.7	99.7
A561.2	1.52211	61.5	78.7	88.4	94.1	82.1	82.1	85.4	88.8	92.4	96.2	97.9	98.5	97.5	97.9	97.5	99.0	99.3	98.8	99.7	99.7
A561.4	1.52206	62.5	79.3	88.7	94.2	82.2	82.5	85.4	89.1	92.6	96.3	98.0	98.6	97.5	97.8	97.7	99.1	99.4	98.9	99.7	99.7
A561.6	1.52202	63.3	80.1	89.1	94.5	82.4	83.0	85.4	89.5	92.8	96.4	98.1	98.6	97.5	97.8	97.8	99.2	99.4	98.9	99.7	99.7
A561.8	1.52197	64.3	80.9	89.4	94.8	82.8	83.7	85.5	89.8	93.0	96.5	98.2	98.6	97.7	98.0	97.9	99.2	99.5	98.9	99.7	99.7
A562.0	1.52193	65.2	81.5	89.8	94.9	83.4	84.4	85.9	90.1	93.2	96.5	98.2	98.7	97.8	98.1	98.0	99.3	99.5	98.9	99.7	99.7
A562.2	1.52188	65.9	82.3	90.2	95.1	84.1	85.0	86.1	90.4	93.3	96.8	98.3	98.8	97.8	98.1	98.0	99.3	99.5	99.0	99.7	99.7
A562.4	1.52183	67.7	83.1	90.5	95.2	84.5	85.8	86.2	90.7	93.5	96.9	98.4	98.8	97.9	98.1	98.1	99.3	99.5	99.1	99.7	99.7
A562.6	1.52179	69.0	83.7	90.9	95.5	84.9	86.5	86.4	91.0	93.7	97.0	98.4	98.9	98.0	98.1	98.2	99.3	99.5	99.1	99.8	99.7
A562.8	1.52174	70.0	84.4	91.3	95.8	85.5	87.0	86.7	91.3	93.9	97.1	98.5	98.9	98.1	98.2	98.3	99.3	99.5	99.1	99.8	99.7
A563.0	1.52169	71.2	85.2	91.7	96.1	86.5	87.7	87.0	91.6	94.1	97.1	98.6	99.0	98.3	98.5	98.4	99.3	99.5	99.1	99.8	100.0
A563.2	1.52165	73.2	85.9	92.2	96.4	87.5	88.2	87.2	91.9	94.3	97.2	98.7	99.0	98.3	98.4	98.5	99.3	99.6	99.1	99.8	100.0
A563.4	1.52160	75.4	86.5	92.6	96.5	88.4	88.8	87.5	92.2	94.5	97.4	98.7	99.0	98.5	98.5	98.5	99.3	99.6	99.1	99.8	100.0
A563.6	1.52155	76.4	87.3	93.1	96.8	89.1	89.5	87.6	92.5	94.7	97.5	98.8	99.0	98.5	98.6	98.5	99.3	99.6	99.1	99.8	100.0
A563.8	1.52151	77.5	88.0	93.4	96.9	89.5	91.0	87.8	92.8	94.9	97.7	98.9	99.0	98.5	98.8	98.6	99.3	99.6	99.1	99.8	100.0
A564.0	1.52146	78.7	88.6	93.6	97.0	89.8	91.4	87.7	93.1	95.2	97.9	98.9	99.1	98.7	98.9	98.7	99.3	99.6	99.1	99.8	100.0
A564.2	1.52141	79.9	89.1	93.9	97.1	90.2	91.9	87.9	93.3	95.4	97.9	98.9	99.2	98.8	98.9	98.7	99.4	99.6	99.2	99.8	100.0
A564.4	1.52137	81.0	89.8	94.1	97.3	90.6	91.6	88.1	93.6	95.7	98.1	99.0	99.3	98.9	99.0	98.8	99.4	99.6	99.2	99.9	100.0
A564.6	1.52132	81.5	90.2	94.3	97.4	91.2	92.0	88.1	93.8	95.9	98.1	99.0	99.4	98.9	99.1	98.9	99.4	99.6	99.2	99.9	100.0
A564.8	1.52128	82.2	90.5	94.6	97.5	91.7	92.4	88.2	94.0	96.1	98.2	99.0	99.4	98.9	99.1	98.9	99.4	99.6	99.2	99.9	100.0
A565.0	1.52123	82.8	91.0	94.8	97.5	92.2	92.9	88.3	94.2	96.2	98.2	99.1	99.4	98.9	99.2	98.9	99.4	99.6	99.2	99.9	100.0
A565.2	1.52118	83.7	91.5	95.0	97.8	92.6	93.2	88.4	94.4	96.3	98.3	99.1	99.4	98.9	99.1	98.9	99.4	99.7	99.3	99.9	100.0
A565.4	1.52114	84.3	92.0	95.2	97.9	92.5	93.0	88.5	94.7	96.5	98.5	99.1	99.5	99.0	99.2	99.0	99.4	99.7	99.3	99.9	100.0
A565.6	1.52109	84.9	92.3	95.4	98.1	92.9	94.0	88.5	94.9	96.6	98.4	99.1	99.5	99.0	99.4	99.1	99.5	99.7	99.3	99.9	100.0
A565.8	1.52104	85.4	92.4	95.6	98.2	93.1	94.2	88.7	95.0	96.8	98.5	99.1	99.5	99.0	99.3	99.1	99.5	99.7	99.3	99.9	100.0
A566.0	1.52100	85.9	92.9	95.9	98.2	93.2	94.4	88.7	95.4	96.9	98.5	99.2	99.5	99.0	99.3	99.2	99.5	99.7	99.3	99.9	100.0
A566.2	1.52095	86.5	93.3	96.1	98.2	93.4	94.7	88.7	95.5	97.1	98.5	99.2	99.5	99.0	99.3	99.2	99.5	99.7	99.4	99.9	100.0
A566.4	1.52090	87.2	93.5	96.3	98.3	93.5	94.9	88.8	95.7	97.2	98.7	99.2	99.5	99.0	99.3	99.2	99.5	99.7	99.4	99.9	100.0
A566.6	1.52086	87.5	93.7	96.4	98.5	93.8	95.1	88.9	95.8	97.3	98.7	99.2	99.5	99.0	99.3	99.2	99.5	99.7	99.4	99.9	100.0
A566.8	1.52081	88.0	93.9	96.5	98.5	94.1	95.2	88.9	95.9	97.4	98.8	99.2	99.5	99.0	99.3	99.2	99.5	99.7	99.4	100.0	100.

Table 4-1 (cont'd)

Table 4-1 (cont'd)

Sam. No.	1	2	3	4	5	6	7	8	9	10	11	12
p(atm)	2.50×10^{0}	2.53×10^{0}	2.53×10^{0}	2.50×10^{0}	2.00×10^{0}	1.00×10^{0}	1.00×10^{0}	1.46×10^{1}	1.00×10^{1}	1.00×10^{1}	1.00×10^{1}	1.00×10^{0}
P_e(atm)	3.29×10^{0}	3.32×10^{0}	3.32×10^{0}	3.29×10^{0}	2.62×10^{0}	1.31×10^{0}	1.31×10^{0}	2.61×10^{1}	1.36×10^{1}	1.36×10^{1}	1.36×10^{1}	1.36×10^{1}
u (atm cm) STP	2.17×10^{5}	1.10×10^{5}	5.57×10^{4}	2.80×10^{4}	8.71×10^{4}	8.62×10^{4}	2.19×10^{4}	4.73×10^{4}	3.16×10^{4}	1.59×10^{4}	7.93×10^{3}	3.99×10^{3}

ν (cm^{-1})	λ (micron)	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100	T x 100
4501.4	1.51807	99.3											
4500.2	1.51803	99.5											
4500.4	1.51798	99.5											
4500.6	1.51794	99.5											
4499.8	1.51789	99.5											
4499.0	1.51784	99.7											
4498.2	1.51779	99.7											
4497.4	1.51775	99.8											
4497.6	1.51770	99.8											
4497.8	1.51766	99.8											
4496.0	1.51761	99.9											
4495.2	1.51756	99.9											
4494.4	1.51752	99.9											
4493.6	1.51747	100.0											
4492.8	1.51743	100.0											
4492.0	1.51738	100.0											
4491.2	1.51734	100.0											
4490.4	1.51729												
4489.6	1.51724												
4488.8	1.51720												
4488.0	1.51715												
4487.2	1.51711												
4486.4	1.51706												
4485.6	1.51701												
4484.8	1.51697												
4484.0	1.51692												
4483.2	1.51688												
4482.4	1.51683												
4481.6	1.51678												
4480.8	1.51674												
4480.0	1.51669												
4479.2	1.51665												
4478.4	1.51660												
4477.6	1.51655												
4476.8	1.51651												
4476.0	1.51646												
4475.2	1.51642												
4474.4	1.51637												
4473.6	1.51633												
4472.8	1.51628												

SECTION 5

TABLE OF INTEGRATED ABSORPTANCE

Values of the integrated absorptance over the region from 5814 to 6582 cm^{-1} are presented in Table 5-1 for the samples listed in Table 3-2. The integrals were calculated from the transmittance tables in Section 4 by assuming a spectrum could be constructed by plotting the transmittance values and joining them with straight lines. The important sample parameters are listed at the top of each column corresponding to a given sample.

The lower limit of integration ν', which is shown at the top of each column, was chosen at a point where there was very little, if any, absorption. ν' is different for some samples than for others, since the integration was not performed over some of the regions of small absorption. The absorption by small samples is negligible in some regions where it is important for large samples.

In regions where the structure in the spectra is regular, the integrated absorptance was calculated at wavenumbers midway between the line centers. Thus, in the case of no overlapping, the difference between two successive tabulated values is the equivalent width of the absorption line in the interval. In some other regions where the structure was not particularly regular, the integrated absorptance was calculated at wavenumbers corresponding to absorptance minima. In still other regions where there was but little structure or where the absorptance minima would shift as the pressure or absorber thickness was changed, the values were calculated at integral wavenumbers, or possibly at integral half-wavenumbers, depending on the amount of information one might expect to obtain from closer readings.

Table 5-1 $\int_{\nu'} A(\nu)d\nu$

Sam. No.	1	2	3	4	5	6	7	8	9	10	11	12
p(atm)	$2.50_0 \times 10^0$	$2.53_0 \times 10^0$	$2.53_0 \times 10^0$	$2.50_0 \times 10^0$	$2.00_0 \times 10^0$	$1.00_0 \times 10^0$	$1.00_0 \times 10^0$	$1.46_1 \times 10^1$	$1.00_1 \times 10^1$	$1.00_1 \times 10^1$	$1.00_1 \times 10^1$	$1.00_0 \times 10^0$
P_e(atm)	$3.29_0 \times 10^0$	$3.32_0 \times 10^0$	$3.32_0 \times 10^0$	$3.29_0 \times 10^0$	$2.62_0 \times 10^0$	$1.31_0 \times 10^0$	$1.31_0 \times 10^0$	$2.03_1 \times 10^1$	$1.36_1 \times 10^1$	$1.36_1 \times 10^1$	$1.36_1 \times 10^1$	$1.36_1 \times 10^1$
u(atm cm) STP	$2.87_5 \times 10^5$	$1.10_5 \times 10^5$	$5.57_4 \times 10^4$	$2.80_4 \times 10^4$	$6.71_4 \times 10^4$	$8.62_4 \times 10^4$	$2.19_4 \times 10^4$	$4.73_4 \times 10^4$	$3.16_4 \times 10^4$	$1.59_4 \times 10^4$	$7.93_3 \times 10^3$	$3.99_3 \times 10^3$

ν (cm^{-1})	ν'=5814 cm^{-1}	ν'=5905 cm^{-1}	ν'=5905 cm^{-1}	ν'=5905 cm^{-1}	ν'=5909.5 cm^{-1}	ν'=5909.5 cm^{-1}	ν'=5909.5 cm^{-1}	ν'=5905 cm^{-1}	ν'=5905 cm^{-1}	ν'=5905 cm^{-1}	ν'=5905 cm^{-1}	ν'=5905 cm^{-1}
5814.2	0.											
5814.5	0.											
5815.0	0.											
5820.0	0.018											
5825.0	0.068											
5830.0	0.156											
5835.0	0.269											
5840.0	0.409											
5845.0	0.584											
5850.0	0.776											
5855.0	0.940											
5857.6	0.983											
5865.0	1.206											
5870.0	1.544											
5875.0	1.914											
5880.0	2.135											
5882.0	2.158											
5890.0	2.159											
5895.0	2.159											
5900.0	2.159											
5905.0	2.159	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5910.0	2.168	0.001	0.	0.	0.	0.	0.	0.003	0.	0.	0.	0.
5915.0	2.192	0.013	0.	0.	0.	0.002	0.	0.013	0.	0.	0.	0.
5920.0	2.242	0.039	0.	0.	0.007	0.021	0.	0.030	0.003	0.	0.	0.
5925.0	2.327	0.088	0.004	0.	0.041	0.061	0.	0.054	0.015	0.	0.	0.
5930.0	2.461	0.134	0.023	0.	0.096	0.122	0.	0.101	0.034	0.003	0.	0.
5935.0	2.647	0.214	0.059	0.	0.174	0.204	0.	0.168	0.062	0.021	0.	0.
5940.0	2.901	0.327	0.110	0.085	0.269	0.311	0.003	0.234	0.095	0.039	0.	0.
5945.0	3.230	0.481	0.174	0.022	0.395	0.453	0.001	0.318	0.138	0.056	0.	0.
5951.5	3.719	0.689	0.269	0.048	0.548	0.651	0.014	0.445	0.211	0.101	0.	0.
5955.0	3.969	0.802	0.321	0.062	0.597	0.725	0.026	0.519	0.253	0.120	0.	0.
5959.6	4.281	0.948	0.394	0.088	0.690	0.849	0.049	0.607	0.304	0.135	0.	0.
5965.0	4.739	1.174	0.505	0.104	0.876	1.103	0.065	0.731	0.369	0.146	0.011	0.
5970.0	5.373	1.487	0.667	0.144	1.134	1.391	0.095	0.884	0.474	0.162	0.019	0.
5975.0	6.141	1.872	0.855	0.286	1.442	1.732	0.141	1.080	0.599	0.235	0.026	0.007
5980.0	6.991	2.302	1.082	0.284	1.780	2.110	0.188	1.303	0.742	0.291	0.042	0.003
5985.0	7.909	2.774	1.344	0.374	2.146	2.504	0.236	1.555	0.893	0.358	0.067	0.009
5986.7	8.253	2.984	1.443	0.409	2.283	2.649	0.255	1.649	0.945	0.386	0.075	0.01
5988.4	8.629	3.147	1.547	0.448	2.435	2.803	0.279	1.741	1.005	0.416	0.084	0.014
5990.2	9.054	3.367	1.664	0.498	2.606	2.993	0.307	1.851	1.079	0.449	0.095	0.017
5992.1	9.533	3.622	1.793	0.558	2.804	3.204	0.340	1.979	1.163	0.484	0.110	0.023
5993.8	9.998	3.871	1.933	0.617	2.996	3.411	0.377	2.109	1.239	0.520	0.126	0.029
5995.5	10.507	4.150	2.075	0.684	3.217	3.635	0.424	2.257	1.331	0.561	0.144	0.035
5997.2	11.069	4.466	2.244	0.766	3.463	3.879	0.486	2.421	1.438	0.609	0.165	0.034
5998.9	11.692	4.820	2.434	0.857	3.734	4.155	0.546	2.604	1.559	0.665	0.189	0.039
6000.6	12.380	5.224	2.654	0.964	4.057	4.471	0.627	2.811	1.701	0.732	0.219	0.046
6002.2	13.112	5.652	2.890	1.079	4.411	4.847	0.717	3.029	1.850	0.805	0.251	0.055
6003.9	13.939	6.140	3.162	1.212	4.814	5.295	0.815	3.280	2.023	0.890	0.289	0.064
6005.5	14.766	6.633	3.435	1.349	5.218	5.583	0.917	3.528	2.195	0.978	0.327	0.076
6007.2	15.671	7.170	3.733	1.496	5.654	6.010	1.024	3.801	2.383	1.073	0.368	0.091
6008.8	16.528	7.686	4.015	1.639	6.075	6.415	1.128	4.058	2.561	1.163	0.410	0.105
6010.4	17.379	8.183	4.295	1.778	6.489	6.815	1.228	4.312	2.735	1.252	0.451	0.115
6012.0	18.202	8.668	4.564	1.912	6.885	7.209	1.324	4.553	2.901	1.339	0.493	0.127
6013.6	18.977	9.118	4.812	2.038	7.248	7.571	1.410	4.776	3.053	1.418	0.529	0.139
6019.6	21.056	10.271	5.435	2.339	8.150	8.461	1.605	5.394	3.462	1.627	0.644	0.157
6021.9	21.592	10.549	5.590	2.400	8.380	8.683	1.654	5.580	3.587	1.684	0.675	0.174
6026.1	22.943	11.278	6.001	2.599	8.992	9.312	1.799	6.019	3.875	1.809	0.777	0.189
6028.3	24.027	11.911	6.355	2.780	9.520	9.839	1.878	6.354	4.101	1.913	0.878	0.201
6030.5	25.257	12.683	6.785	3.008	10.137	10.451	2.041	6.755	4.375	2.040	0.892	0.224
6032.3	26.364	13.351	7.185	3.220	10.713	11.017	2.200	7.128	4.631	2.161	0.995	0.240
6034.1	27.552	14.099	7.615	3.450	11.348	11.632	2.375	7.516	4.905	2.295	0.994	0.271
6036.1	28.840	14.938	8.102	3.715	12.042	12.293	2.571	7.932	5.233	2.459	1.006	0.363
6038.0	30.104	15.771	8.605	3.991	12.749	12.911	2.778	8.355	5.564	2.626	1.038	0.334
6039.8	31.415	16.648	9.127	4.271	13.484	13.591	2.996	8.928	5.899	2.794	1.233	0.387
6041.6	32.687	17.513	9.664	4.563	14.198	14.291	3.216	9.434	6.257	2.978	1.317	0.407
6043.4	33.980	18.415	10.232	4.887	14.965	14.983	3.456	9.988	6.653	3.173	1.410	0.435
6045.2	35.380	19.406	10.868	5.249	15.812	15.651	3.731	10.680	7.091	3.403	1.526	0.499
6047.0	36.812	20.455	11.563	5.651	16.711	16.417	4.023	11.284	7.583	3.663	1.659	0.539
6048.7	38.219	21.520	12.286	6.076	17.628	17.177	4.336	12.008	8.121	3.943	1.823	0.628
6050.5	39.738	22.694	13.109	6.579	18.632	17.973	4.689	12.851	8.753	4.281	2.010	0.715
6052.2	41.248	23.891	13.961	7.157	19.677	18.827	5.057	13.728	9.417	4.647	2.192	0.809
6053.9	42.800	25.159	14.893	7.754	20.782	19.719	5.467	14.678	10.159	5.054	2.419	0.917
6055.6	44.379	26.476	15.879	8.404	21.940	20.643	5.902	15.694	10.949	5.504	2.649	1.038
6057.3	45.978	27.847	16.927	9.107	23.158	21.621	6.361	16.787	11.787	5.996	2.913	1.171
6059.0	47.603	29.266	18.022	9.854	24.409	22.655	6.870	17.868	12.679	6.523	3.198	1.318
6060.7	49.243	30.709	19.152	10.633	25.698	23.733	7.393	19.044	13.613	7.075	3.499	1.479
6062.3	50.797	32.098	20.247	11.381	26.945	24.745	7.896	20.152	14.507	7.610	3.792	1.629
6064.0	52.447	33.566	21.413	12.184	28.262	25.945	8.437	21.335	15.463	8.182	4.115	1.788
6065.6	54.083	34.962	22.515	12.940	29.512	26.885	8.943	22.439	16.357	8.714	4.410	1.924
6067.2	55.555	36.346	23.600	13.667	30.747	27.921	9.444	23.514	17.219	9.225	4.682	2.071
6068.8	57.197	37.707	24.647	14.355	31.951	28.922	9.930	24.542	18.035	9.698	4.943	2.204
6070.4	58.619	39.021	25.623	14.974	33.109	29.875	10.368	25.505	18.781	10.124	5.167	2.321
6072.0	60.104	40.258	26.503	15.503	34.173	30.771	10.753	26.377	19.437	10.490	5.346	2.424
6073.6	61.500	41.354	27.215	15.905	35.067	31.543	11.045	27.138	19.981	10.782	5.483	2.503
6075.9	63.022	42.416	27.813	16.207	35.831	32.222	11.234	28.039	20.563	11.084	5.617	2.561
6077.5	63.981	42.997	28.177	16.388	34.308	32.613	11.336	28.612	20.922	11.267	5.701	2.627
6079.0	65.204	43.877	28.773	16.728	37.364	33.251	11.575	29.238	21.359	11.498	5.793	2.695
6080.6	66.672	45.065	29.615	17.250	38.093	34.093	11.932	30.062	21.981	11.843	6.008	2.777
6082.1	68.113	46.311	30.557	17.866	39.198	35.006	12.347	30.967	22.692	12.248	6.218	2.891
6083.6	69.574	47.624	31.589	18.557	40.382	35.997	12.820	31.972	23.499	12.722	6.459	3.024
6085.1	71.053	48.972	32.669	19.312	41.615	37.021	13.334	33.045	24.374	13.251	6.808	3.174
6086.6	72.533	50.344	33.790	20.105	42.873	38.065	13.867	34.163	25.295	13.817	7.117	3.344
6088.0	73.914	51.636	34.853	20.874	44.066	39.094	14.419	35.229	26.179	14.365	7.443	3.507
6089.5	75.482	53.028	36.013	21.703	45.345	40.184	14.980	36.378	27.134	14.958	7.807	3.699
6091.0	76.988	54.413	37.157	22.517	46.615	41.263	15.541	37.526	28.083	15.556	8.181	3.864
6092.4	78.269	55.698	38.214	23.263	47.799	42.263	16.059	38.583	28.967	16.089	8.496	4.013
6093.8	79.652	56.975	39.255	23.987	48.974	43.265	16.547	39.613	29.823	16.607	8.798	4.156
6095.2	81.027	58.234	40.265	24.673	50.125	44.231	17.023	40.609	30.637	17.095	9.062	4.304
6096.6	82.394	59.467	41.235	25.322	51.239	45.164	17.476	41.564	31.413	17.551	9.288	4.440
6098.0	83.749	60.665	42.163	25.923	52.315	46.053	17.896	42.468	32.135	17.964	9.479	4.559

Table 5-1 $\int_{\nu'} A(\nu)d\nu$ (cont'd.)

Slit No.	13	14	15	16	17	18	19	20	21
[illegible]	$2.30_{-1} \times 10^{-1}$	$2.30_{-1} \times 10^{-1}$	$1.16_{-1} \times 10^{-1}$	$7.70_{-2} \times 10^{-2}$	$7.70_{-2} \times 10^{-2}$	$7.70_{-2} \times 10^{-2}$	$3.85_{-2} \times 10^{-2}$	$6.65_{-1} \times 10^{-1}$	$6.65_{-1} \times 10^{-1}$
P_{ν} (atm)	$9.99_{-1} \times 10^{-1}$	$3.00_{-1} \times 10^{-1}$	$1.50_{-1} \times 10^{-1}$	$1.001_{0} \times 10^{0}$	$3.03_{-1} \times 10^{-1}$	$1.001_{-1} \times 10^{-1}$	$5.03_{-2} \times 10^{-2}$	$1.31_{1} \times 10^{1}$	$8.65_{-1} \times 10^{-1}$
u(atm-cm) STP	$9.9_{3} \times 10^{3}$	$9.9_{3} \times 10^{3}$	$9.9_{3} \times 10^{3}$	$3.3_{3} \times 10^{3}$	$3.3_{3} \times 10^{3}$	$3.3_{3} \times 10^{3}$	$3.3_{3} \times 10^{3}$	$1.0_{3} \times 10^{3}$	$1.0_{3} \times 10^{3}$
ν (cm^{-1})	ν'=5955 cm^{-1}	ν'=5955 cm^{-1}	ν'=5955 cm^{-1}	ν'=5965 cm^{-1}	ν'=5965 cm^{-1}	ν'=5965 cm^{-1}	ν'=6141.7 cm^{-1}	ν'=6021.9 cm^{-1}	ν'=6021.9 cm^{-1}
5965.0	0.	0.	[illegible]	0.	0.	[illegible]			
5969.6	0.	0.	[illegible]	0.	0.	[illegible]			
5965.0	0.009	0.001	0.	0.000	0.	0.			
5970.0	0.027	0.003	[illegible]	0.000	0.000	0.			
5975.0	0.054	0.023	0.000	0.007	0.004	0.002			
5980.0	0.093	0.045	0.008	0.023	0.015	0.011			
5985.0	0.129	0.073	0.026	0.048	0.035	0.026			
5986.7	0.142	0.093	0.035	0.054	0.043	0.032			
5988.4	0.156	0.104	0.045	0.060	0.050	0.041			
5990.2	0.176	0.118	0.057	0.083	0.063	0.050			
5992.1	0.198	0.134	0.072	0.098	0.077	0.060			
5993.8	0.219	0.153	0.089	0.113	0.093	0.084			
5995.5	0.243	0.175	0.113	0.128	0.101	0.075			
5997.2	0.266	0.199	0.130	0.146	0.113	0.085			
5998.9	0.296	0.228	0.164	0.172	0.133	0.098			
6000.6	0.332	0.261	0.208	0.202	0.149	0.114			
6002.2	0.375	0.296	0.251	0.233	0.174	0.133			
6003.9	0.421	0.337	0.296	0.264	0.202	0.154			
6005.5	0.471	0.382	0.342	0.288	0.225	0.170			
6007.2	0.528	0.431	0.392	0.317	0.243	0.187			
6008.8	0.586	0.479	0.443	0.345	0.273	0.206			
6010.4	0.616	0.561	0.483	0.368	0.297	0.221			
6012.0	0.667	0.565	0.504	0.391	0.320	0.234			
6013.6	0.704	0.607	0.537	0.415	0.339	0.250			
6015.2	0.740	0.704	0.618	0.480	0.399	0.288			
6021.9	0.831	0.765	0.631	0.520	0.414	0.299	0.	0.	
6026.1	0.874	0.797	0.679	0.569	0.462	0.330	0.	0.	
6028.3	0.927	0.828	0.730	0.601	0.493	0.364	0.000	0.000	
6030.5	0.995	0.896	0.788	0.643	0.535	0.392	0.001	0.001	
6032.3	1.060	0.961	0.844	0.681	0.563	0.364	0.002	0.001	
6034.1	1.1132	1.033	0.912	0.716	0.602	0.388	0.004	0.002	
6036.1	1.226	1.127	0.998	0.753	0.645	0.418	0.007	0.003	
6038.2	1.319	1.215	1.068	0.791	0.689	0.445	0.010	0.004	
6039.8	1.404	1.304	1.147	0.833	0.735	0.476	0.014	0.006	
6041.6	1.517	1.397	1.232	0.880	0.779	0.511	0.019	0.008	
6043.4	1.621	1.487	1.308	0.930	0.825	0.545	0.026	0.012	
6045.2	1.743	1.592	1.386	0.982	0.877	0.583	0.034	0.018	
6047.0	1.879	1.712	1.475	1.044	0.934	0.626	0.039	0.027	
6048.7	2.027	1.814	1.566	1.112	1.001	0.669	0.052	0.037	
6050.5	2.197	1.946	1.659	1.193	1.073	0.713	0.071	0.051	
6052.2	2.380	2.082	1.757	1.284	1.144	0.761	0.091	0.065	
6053.9	2.584	2.224	1.867	1.386	1.221	0.814	0.115	0.087	
6055.6	2.805	2.381	1.986	1.498	1.307	0.876	0.142	0.113	
6057.3	3.049	2.543	2.098	1.618	1.403	0.934	0.171	0.138	
6059.0	3.314	2.715	2.224	1.745	1.498	1.000	0.201	0.168	
6060.7	3.591	2.911	2.337	1.879	1.600	1.064	0.232	0.199	
6062.3	3.864	3.099	2.476	2.001	1.703	1.131	0.261	0.231	
6064.0	4.163	3.270	2.639	2.138	1.806	1.194	0.291	0.263	
6065.6	4.438	3.444	2.731	2.270	1.909	1.269	0.320	0.294	
6067.2	4.706	3.615	2.864	2.402	2.009	1.323	0.352	0.324	
6068.8	4.961	3.810	2.994	2.524	2.115	1.387	0.384	0.351	
6070.4	5.192	3.973	3.107	2.622	2.193	1.439	0.414	0.373	
6072.0	5.388	4.110	3.204	2.701	2.253	1.484	0.441	0.393	
6073.6	5.523	4.214	3.285	2.758	2.325	1.522	0.459	0.411	
6075.9	5.618	4.295	3.339	2.801	2.369	1.549	0.474	0.424	
6077.5	5.649	4.333	3.392	2.828	2.399	1.569	0.486	0.435	
6079.0	5.757	4.424	3.464	2.877	2.447	1.601	0.496	0.442	
6080.6	5.925	4.565	3.567	2.955	2.520	1.648	0.511	0.453	
6082.1	6.141	4.748	3.679	3.051	2.605	1.697	0.532	0.467	
6083.6	6.405	4.878	3.807	3.163	2.704	1.754	0.556	0.483	
6085.1	6.683	5.047	3.926	3.282	2.809	1.814	0.604	0.498	
6086.6	6.983	5.263	4.083	3.433	2.921	1.884	0.645	0.513	
6088.0	7.278	5.453	4.227	3.572	3.028	1.953	0.684	0.534	
6089.5	7.591	5.654	4.376	3.718	3.140	2.029	0.727	0.605	
6091.0	7.907	5.853	4.518	3.864	3.255	2.097	0.769	0.643	
6092.4	8.200	6.049	4.661	3.998	3.364	2.159	0.808	0.674	
6093.8	8.480	6.233	4.785	4.117	3.463	2.220	0.847	0.710	
6095.2	8.745	6.414	4.893	4.234	3.564	2.285	0.882	0.747	
6096.6	8.996	6.582	5.027	4.344	3.654	2.340	0.918	0.767	
6098.0	9.229	6.744	5.148	4.444	3.741	2.394	0.939	0.791	

Table 5-1 $\int_{\nu'} A(\nu)d\nu$ (cont'd)

Sam. No.	1	2	3	4	5	6	7	8	9	10	11	12
p(atm)	$2.50_0 \times 10^0$	$2.53_0 \times 10^0$	$2.53_0 \times 10^0$	$2.50_0 \times 10^0$	$2.00_0 \times 10^0$	$1.00_0 \times 10^0$	$1.00_0 \times 10^0$	$1.46_1 \times 10^1$	$1.00_1 \times 10^1$	$1.00_1 \times 10^1$	$1.00_1 \times 10^1$	$1.00_0 \times 10^0$
P_e(atm)	$3.32_0 \times 10^0$	$3.32_0 \times 10^0$	$3.32_0 \times 10^0$	$3.29_0 \times 10^0$	$2.62_0 \times 10^0$	$1.31_0 \times 10^0$	$1.31_0 \times 10^0$	$2.01_1 \times 10^1$	$1.36_1 \times 10^1$	$1.36_1 \times 10^1$	$1.36_1 \times 10^1$	$1.36_1 \times 10^1$
u(atm cm) STP	$2.17_5 \times 10^5$	$1.10_5 \times 10^5$	$5.57_4 \times 10^4$	$2.80_4 \times 10^4$	$8.71_4 \times 10^4$	$8.62_4 \times 10^4$	$2.19_4 \times 10^4$	$4.73_4 \times 10^4$	$3.16_4 \times 10^4$	$1.59_4 \times 10^4$	$7.93_3 \times 10^3$	$3.99_3 \times 10^3$

ν (cm^{-1})	ν'=5914 cm^{-1}	ν'=5905 cm^{-1}	ν'=5905 cm^{-1}	ν'=5905 cm^{-1}	ν'=5909.5 cm^{-1}	ν'=5909.5 cm^{-1}	ν'=5909.5 cm^{-1}	ν'=5905 cm^{-1}	ν'=5905 cm^{-1}	ν'=5905 cm^{-1}	ν'=5905 cm^{-1}	ν'=5905 cm^{-1}
6099.4	85,089	61,824	43,033	26,475	53,343	46,[illegible]	[illegible]	43,313	32,803	[illegible]	[illegible]	4,67
6100.8	86,406	62,947	43,843	26,978	54,338	47,[illegible]	[illegible]	44,093	33,413	[illegible]	[illegible]	4,[illegible]
6102.1	87,589	63,927	44,532	27,388	55,196	48,463	[illegible]	44,753	33,915	[illegible]	[illegible]	4,[illegible]
6103.4	88,740	64,844	45,159	27,754	55,985	49,144	[illegible]	45,349	34,364	[illegible]	[illegible]	4,91[illegible]
6104.7	89,860	65,710	45,725	28,074	56,723	49,749	[illegible]	45,882	34,753	[illegible]	[illegible]	4,97[illegible]
6106.0	90,928	66,511	46,231	28,352	57,400	50,281	[illegible]	46,353	35,104	[illegible]	[illegible]	5,02[illegible]
6107.3	91,927	67,239	46,673	28,590	58,009	50,739	[illegible]	46,772	35,405	[illegible]	[illegible]	5,06[illegible]
6108.6	92,862	67,888	47,071	28,798	58,551	51,138	[illegible]	47,141	35,666	[illegible]	[illegible]	5,09[illegible]
6111.0	94,462	68,929	47,671	29,100	59,413	52,255	[illegible]	47,713	36,063	[illegible]	[illegible]	5,15[illegible]
6112.2	95,163	69,374	47,920	29,225	59,779	52,599	[illegible]	47,954	36,233	[illegible]	[illegible]	5,17[illegible]
6113.9	96,073	69,929	48,222	29,375	60,230	53,042	[illegible]	48,254	36,435	[illegible]	[illegible]	5,20[illegible]
6115.7	96,920	70,429	48,491	29,507	60,634	53,447	[illegible]	48,525	36,615	[illegible]	[illegible]	5,22[illegible]
6118.8	98,097	71,108	48,843	29,674	61,161	53,995	[illegible]	48,906	36,853	[illegible]	[illegible]	5,25[illegible]
6120.7	98,667	71,412	49,008	29,745	61,407	54,240	[illegible]	49,102	36,975	[illegible]	[illegible]	5,26[illegible]
6122.6	99,229	71,719	49,172	29,811	61,657	54,484	[illegible]	49,282	37,082	[illegible]	[illegible]	5,27[illegible]
6124.1	99,690	71,969	49,308	29,872	61,864	54,691	[illegible]	49,425	37,167	[illegible]	[illegible]	5,28[illegible]
6125.6	100,152	72,221	49,442	29,935	62,072	54,894	[illegible]	49,569	37,254	[illegible]	[illegible]	5,29[illegible]
6127.1	100,616	72,476	49,573	29,998	62,277	55,094	[illegible]	49,718	37,341	[illegible]	[illegible]	5,29[illegible]
6128.5	101,063	72,722	49,711	30,061	62,467	55,282	[illegible]	49,863	37,423	[illegible]	[illegible]	5,30[illegible]
6129.9	101,577	73,005	49,864	30,133	62,684	55,499	[illegible]	50,021	37,525	[illegible]	[illegible]	5,31[illegible]
6131.3	102,160	73,338	50,042	30,221	62,942	55,[illegible]	[illegible]	50,196	37,637	[illegible]	[illegible]	5,32[illegible]
6132.6	102,763	73,684	50,240	30,315	63,214	56,013	[illegible]	50,375	37,763	[illegible]	[illegible]	5,33[illegible]
6133.7	103,305	74,001	50,417	30,403	63,465	56,[illegible]	[illegible]	50,539	37,861	[illegible]	[illegible]	5,34[illegible]
6135.3	104,136	74,494	50,693	30,546	63,864	56,[illegible]	[illegible]	50,791	38,029	[illegible]	[illegible]	5,35[illegible]
6137.9	105,555	75,356	51,170	30,778	64,571	57,361	[illegible]	51,229	38,319	[illegible]	[illegible]	5,38[illegible]
6141.7	107,672	76,635	51,885	31,134	65,633	58,[illegible]	[illegible]	51,889	38,760	[illegible]	[illegible]	5,42[illegible]
6143.8	108,814	77,321	52,271	31,324	66,197	58,[illegible]	[illegible]	52,247	39,002	[illegible]	[illegible]	5,45[illegible]
6146.0	109,966	78,011	52,657	31,506	66,757	59,[illegible]	[illegible]	52,611	39,243	[illegible]	[illegible]	5,48[illegible]
6148.0	110,979	78,612	52,994	31,669	67,249	59,965	[illegible]	52,930	39,463	[illegible]	[illegible]	5,51[illegible]
6150.0	111,972	79,196	53,326	31,824	67,727	[illegible]	[illegible]	53,243	39,683	[illegible]	[illegible]	5,54[illegible]
6155.0	114,589	80,752	54,192	32,243	69,013	[illegible]	[illegible]	54,085	40,249	[illegible]	[illegible]	5,61[illegible]
6157.1	115,807	81,518	54,623	32,461	69,634	[illegible]	[illegible]	54,511	40,533	[illegible]	[illegible]	5,64[illegible]
6159.1	117,021	82,293	55,086	32,709	70,299	[illegible]	[illegible]	54,974	40,857	[illegible]	[illegible]	5,67[illegible]
6161.3	118,464	83,249	55,663	33,007	71,099	[illegible]	[illegible]	55,558	41,253	[illegible]	[illegible]	5,72[illegible]
6163.5	120,051	84,349	56,331	33,377	72,339	[illegible]	[illegible]	56,225	41,721	[illegible]	[illegible]	5,78[illegible]
6165.7	121,753	85,565	57,097	33,806	73,077	[illegible]	[illegible]	56,985	42,253	[illegible]	[illegible]	5,84[illegible]
6168.0	123,609	86,941	57,992	34,329	74,239	[illegible]	[illegible]	57,888	42,903	[illegible]	[illegible]	5,93[illegible]
6169.2	124,630	87,733	58,533	34,628	74,947	[illegible]	[illegible]	58,411	43,284	[illegible]	[illegible]	5,98[illegible]
6171.2	126,361	89,114	59,486	35,214	76,327	[illegible]	[illegible]	59,367	43,985	[illegible]	[illegible]	6,08[illegible]
6174.8	129,740	91,932	61,487	36,463	78,591	[illegible]	[illegible]	61,347	45,477	[illegible]	[illegible]	6,31[illegible]
6177.0	131,852	93,779	62,873	37,357	80,233	[illegible]	[illegible]	62,742	46,562	[illegible]	[illegible]	6,48[illegible]
6178.7	133,512	95,279	64,065	38,173	81,599	[illegible]	[illegible]	63,913	47,500	[illegible]	[illegible]	6,64[illegible]
6180.9	135,678	97,288	65,685	39,311	83,451	[illegible]	[illegible]	65,542	48,824	[illegible]	[illegible]	6,85[illegible]
6183.6	138,364	99,873	67,863	40,885	85,911	[illegible]	[illegible]	67,686	50,603	[illegible]	[illegible]	7,21[illegible]
6185.8	140,584	101,993	69,695	42,244	87,938	[illegible]	[illegible]	69,532	52,184	[illegible]	[illegible]	7,55[illegible]
6187.9	142,684	104,028	71,494	43,624	89,885	[illegible]	[illegible]	71,362	53,777	[illegible]	[illegible]	7,87[illegible]
6190.1	144,864	106,174	73,412	45,122	91,960	[illegible]	[illegible]	73,348	[illegible]	[illegible]	[illegible]	8,23[illegible]
6192.2	146,964	108,228	75,267	46,590	93,941	[illegible]	[illegible]	75,281	[illegible]	[illegible]	[illegible]	8,58[illegible]
6194.2	148,964	110,185	77,045	48,024	95,828	[illegible]	[illegible]	77,170	[illegible]	[illegible]	[illegible]	9,15[illegible]
6196.3	151,064	112,249	78,943	49,606	97,828	[illegible]	[illegible]	79,195	[illegible]	[illegible]	[illegible]	9,62[illegible]
6198.4	153,164	114,328	80,907	51,285	99,861	[illegible]	[illegible]	81,251	62,885	[illegible]	[illegible]	10,12[illegible]
6200.4	155,164	116,320	82,833	55,021	101,832	[illegible]	[illegible]	83,227	64,815	[illegible]	[illegible]	11,13[illegible]
6202.4	157,164	118,320	84,810	54,853	103,816	[illegible]	[illegible]	85,213	66,774	[illegible]	[illegible]	11,95[illegible]
6204.4	159,164	120,320	86,795	56,746	105,804	[illegible]	[illegible]	87,205	68,753	[illegible]	[illegible]	12,91[illegible]
6206.3	161,064	122,220	88,689	58,587	107,700	[illegible]	[illegible]	89,104	70,640	[illegible]	[illegible]	13,75[illegible]
6208.2	162,964	124,120	90,587	60,440	109,600	[illegible]	[illegible]	91,004	72,538	[illegible]	[illegible]	15,01[illegible]
6210.0	164,764	125,920	92,387	62,211	111,400	[illegible]	[illegible]	92,804	74,338	[illegible]	[illegible]	16,33[illegible]
6211.9	166,664	127,820	94,287	64,086	113,300	[illegible]	[illegible]	94,704	76,233	[illegible]	[illegible]	17,65[illegible]
6213.7	168,464	129,620	96,087	65,884	115,100	[illegible]	[illegible]	96,504	78,033	[illegible]	[illegible]	18,96[illegible]
6215.5	170,264	131,420	97,887	67,646	116,900	[illegible]	[illegible]	98,304	79,838	[illegible]	[illegible]	19,63[illegible]
6217.2	171,964	133,120	99,587	69,329	118,600	[illegible]	[illegible]	100,004	81,538	[illegible]	[illegible]	20,74[illegible]
6218.9	173,664	134,820	101,287	71,013	120,300	[illegible]	[illegible]	101,704	83,238	[illegible]	[illegible]	21,85[illegible]
6220.6	175,364	136,520	102,987	72,690	122,000	[illegible]	[illegible]	103,404	84,939	[illegible]	[illegible]	22,95[illegible]
6222.3	177,064	138,220	104,687	74,354	123,701	[illegible]	[illegible]	105,104	86,638	[illegible]	[illegible]	23,75[illegible]
6223.9	178,664	139,820	106,282	75,884	125,300	[illegible]	[illegible]	106,704	88,235	[illegible]	[illegible]	24,[illegible]
6225.5	180,264	141,420	107,862	77,351	126,899	[illegible]	[illegible]	108,303	89,811	[illegible]	[illegible]	25,17[illegible]
6227.9	182,664	143,768	110,014	79,083	129,178	119,123	59,414	110,687	92,076	64,261	42,734	25,903
6229.4	183,764	144,873	111,051	79,942	130,257	120,123	60,059	111,774	93,095	65,075	43,188	26,221
6230.9	185,664	146,754	112,833	81,508	132,093	121,853	61,252	113,656	94,905	66,605	44,342	26,835
6232.4	187,164	148,254	114,327	82,943	133,592	123,335	62,454	115,147	96,385	67,974	45,447	27,596
6233.9	188,664	149,754	115,822	84,417	135,092	124,796	63,759	116,643	97,875	69,410	46,595	28,352
6235.3	190,064	151,154	117,222	85,804	136,492	126,193	65,017	118,042	99,273	70,777	47,691	29,144
6236.7	191,464	152,554	118,622	87,196	137,892	127,595	66,308	119,442	100,673	72,156	49,163	30,314
6238.1	192,864	153,954	120,022	88,596	139,292	128,995	67,615	120,842	102,073	73,539	50,442	31,129
6239.4	194,164	155,254	121,322	89,896	140,592	130,295	68,839	122,142	103,373	74,826	51,683	32,236
6240.7	195,464	156,554	122,622	91,196	141,892	131,595	70,067	123,442	104,673	76,114	[illegible]	33,271
6242.0	196,764	157,854	123,922	92,496	143,192	132,895	71,295	124,742	105,973	77,402	[illegible]	34,233
6243.3	198,084	159,154	125,222	93,796	144,492	134,195	72,523	126,042	107,273	78,691	[illegible]	35,228
6244.5	199,264	160,354	126,422	94,996	145,692	135,395	73,644	127,242	108,473	79,880	[illegible]	36,135
6245.7	200,484	161,554	127,622	96,196	146,892	136,595	74,764	128,442	109,673	81,069	[illegible]	36,993
6246.9	201,664	162,754	128,822	97,396	148,092	137,796	75,886	129,642	110,873	82,256	[illegible]	37,799
6248.0	202,764	163,854	129,922	98,493	149,192	138,895	76,859	130,742	111,973	83,339	[illegible]	38,457
6249.1	203,884	164,954	131,022	99,594	150,292	139,995	77,827	131,842	113,073	84,407	[illegible]	39,113
6250.2	204,984	166,054	132,122	100,672	151,392	141,095	78,764	132,942	114,173	85,452	[illegible]	39,698
6251.3	206,064	167,154	133,221	101,746	152,492	142,194	79,679	134,040	115,263	86,483	[illegible]	40,214
6253.0	207,764	168,854	134,910	103,352	154,190	143,872	[illegible]	135,730	116,923	87,916	[illegible]	40,951
6254.0	208,764	169,854	135,893	104,240	155,188	144,841	[illegible]	136,717	117,869	88,662	[illegible]	41,353
6256.0	210,764	171,838	137,777	105,847	157,153	146,723	[illegible]	138,612	119,585	90,042	[illegible]	41,997
6258.0	212,751	173,739	139,485	107,080	159,011	148,425	[illegible]	140,274	120,951	90,821	[illegible]	41,651
6260.0	214,680	175,572	140,824	107,960	160,588	149,854	[illegible]	141,607	121,925	91,384	[illegible]	42,001
6262.0	216,390	176,577	141,425	108,342	161,729	150,954	[illegible]	142,574	122,569	91,738	[illegible]	42,193
6264.0	217,746	177,401	141,925	108,664	162,481	151,643	[illegible]	143,256	122,983	91,964	[illegible]	42,314
6266.0	218,801	177,994	142,272	108,866	163,000	152,123	[illegible]	143,776	123,293	92,114	[illegible]	42,131
6268.0	219,666	178,468	142,537	108,984	163,401	152,582	[illegible]	144,183	123,522	92,231	5,048	42,203
6270.0	220,397	178,858	142,755	109,100	163,731	152,911	[illegible]	144,520	123,727	92,328	5,010	42,21[illegible]
6273.0	221,299	179,331	143,013	[illegible]	164,133	153,275	[illegible]	144,967	123,977	92,441	[illegible]	42,23[illegible]
6275.3	221,904	179,644	143,181	[illegible]	164,404	153,513	[illegible]	145,261	124,149	92,514	[illegible]	42,24[illegible]
6277.4	222,428	179,912	143,324	[illegible]	164,644	153,727	[illegible]	145,514	124,294	[illegible]	[illegible]	42,24[illegible]
6279.7	222,985	180,205	143,441	[illegible]	164,894	153,949	[illegible]	145,783	124,449	[illegible]	[illegible]	42,25[illegible]
6281.8	223,529	180,491	143,631	[illegible]	165,131	154,159	[illegible]	146,026	124,595	[illegible]	[illegible]	42,26[illegible]

Table 5-1 $\int_{\nu'} A(\nu)\,d\nu$ (cont'd.)

Sam. No.	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
p(atm)	$2.30_{\times 10^{-1}}$	$2.30_{\times 10^{-1}}$	$1.16_{\times 10^{-1}}$	$7.70_{\times 10^{-2}}$	$7.70_{\times 10^{-2}}$	$7.70_{\times 10^{-2}}$	$3.87_{\times 10^{-2}}$	$6.65_{\times 10^{-1}}$	$6.65_{\times 10^{-1}}$	$2.34_{\times 10^{-2}}$	$2.34_{\times 10^{-2}}$	$2.34_{\times 10^{-2}}$	$2.17_{\times 10^{-1}}$	$2.17_{\times 10^{-1}}$	$2.17_{\times 10^{-1}}$
P_s(atm)	$9.99_{\times 10^{-1}}$	$3.00_{\times 10^{-1}}$	$1.50_{\times 10^{-1}}$	$1.00_{\times 10^{0}}$	$3.03_{\times 10^{-1}}$	$1.001_{\times 10^{-1}}$	$5.03_{\times 10^{-2}}$	$1.31_{\times 10^{1}}$	$8.65_{\times 10^{-1}}$	$3.00_{\times 10^{-1}}$	$1.02_{\times 10^{-1}}$	$3.04_{\times 10^{-2}}$	$1.30_{\times 10^{1}}$	$1.00_{\times 10^{0}}$	$2.33_{\times 10^{-1}}$
$\int A(\nu)d\nu$ (atm cm) STP	$9.94_{\times 10^{3}}$	$9.94_{\times 10^{3}}$	$9.94_{\times 10^{3}}$	$3.32_{\times 10^{3}}$	$3.32_{\times 10^{3}}$	$3.32_{\times 10^{3}}$	$3.32_{\times 10^{3}}$	$1.01_{\times 10^{3}}$	$1.01_{\times 10^{3}}$	$1.01_{\times 10^{3}}$	$1.01_{\times 10^{3}}$	$1.01_{\times 10^{3}}$	$3.30_{\times 10^{2}}$	$3.30_{\times 10^{2}}$	$3.30_{\times 10^{2}}$
ν (cm^{-1})	ν'=5955 cm^{-1}	ν'=5955 cm^{-1}	ν'=5955 cm^{-1}	ν'=5965 cm^{-1}	ν'=5965 cm^{-1}	ν'=5965 cm^{-1}	ν'=6141.7 cm^{-1}	ν'=6021.9 cm^{-1}	ν'=6021.9 cm^{-1}	ν'=6141.7 cm^{-1}	ν'=6141.7 cm^{-1}	ν'=6141.7 cm^{-1}	ν'=6155 cm^{-1}	ν'=6155 cm^{-1}	ν'=6155 cm^{-1}
4089.4	9.445	6.814	4.254	4.632	3.893	2.445		0.960	0.810						
4090.8	9.444	7.035	5.358	4.611	3.902	2.492		0.977	0.826						
4092.1	9.408	7.154	5.441	4.674	3.944	2.531		0.989	0.837						
4093.4	9.953	7.248	5.523	4.728	4.018	2.564		0.999	0.847						
4094.7	10.074	7.343	5.593	4.773	4.065	2.594		1.007	0.856						
4096.0	10.185	7.441	5.679	4.811	4.104	2.623		1.015	0.863						
4097.3	10.280	7.522	5.739	4.846	4.142	2.648		1.021	0.869						
4098.6	10.360	7.593	5.794	4.877	4.175	2.671		1.026	0.874						
4111.0	10.475	7.665	5.851	4.922	4.230	2.752		1.033	0.883						
4112.2	10.523	7.725	5.894	4.942	4.252	2.716		1.036	0.881						
4113.4	10.579	7.772	5.934	4.961	4.279	2.753		1.037	0.881						
4115.7	10.628	7.808	5.975	4.980	4.309	2.751		1.037	0.881						
4118.0	10.684	7.848	5.997	5.003	4.325	2.762		1.037	0.881						
4120.3	10.708	7.858	6.001	5.015	4.344	2.769		1.037	0.881						
4122.6	10.732	7.873	6.001	5.021	4.341	2.778		1.037	0.881						
4124.1	10.752	7.882	6.001	5.032	4.360	2.786		1.037	0.881						
4125.6	10.771	7.893	6.001	5.041	4.369	2.792		1.037	0.881						
4127.1	10.793	7.905	6.001	5.050	4.378	2.797		1.037	0.881						
4128.5	10.813	7.915	6.001	5.059	4.385	2.801		1.037	0.881						
4129.9	10.837	7.931	6.006	5.070	4.395	2.807		1.037	0.881						
4131.3	10.879	7.949	6.026	5.082	4.403	2.816		1.037	0.881						
4132.6	10.905	7.971	6.046	5.096	4.415	2.824		1.037	0.881						
4133.7	10.938	7.990	6.076	5.108	4.424	2.836		1.037	0.881						
4135.3	10.991	8.023	6.097	5.124	4.439	2.851		1.037	0.881						
4137.9	11.083	8.084	6.152	5.157	4.469	2.876		1.037	0.881						
4141.7	11.223	8.183	6.238	5.206	4.513	2.910	0.	1.037	0.881	0.	0.	0.			
4143.8	11.291	8.235	6.286	5.230	4.540	2.931	0.001	1.037	0.881	0.	0.	0.			
4146.0	11.360	8.287	6.335	5.256	4.563	2.949	0.015	1.037	0.881	0.	0.	0.			
4148.0	11.420	8.331	6.374	5.282	4.582	2.965	0.012	1.037	0.881	0.000	0.	0.			
4150.0	11.478	8.373	6.412	5.308	4.601	2.982	0.028	1.037	0.881	0.001	0.	0.			
4155.0	11.635	8.485	6.512	5.363	4.654	3.026	0.042	1.037	0.881	0.011	0.	0.	0.	0.	0.
4157.1	11.720	8.550	6.566	5.394	4.683	3.044	0.055	1.037	0.883	0.017	0.	0.	0.	0.	0.
4159.2	11.815	8.625	6.633	5.433	4.712	3.066	0.071	1.037	0.884	0.025	0.004	0.002	0.000	0.	0.
4161.4	11.927	8.699	6.704	5.474	4.749	3.097	0.092	1.037	0.887	0.038	0.008	0.009	0.002	0.	0.
4163.5	12.065	8.794	6.793	5.522	4.795	3.133	0.118	1.038	0.889	0.048	0.013	0.016	0.007	0.	0.
4165.7	12.227	8.914	6.898	5.577	4.847	3.179	0.152	1.040	0.891	0.064	0.019	0.025	0.016	0.003	0.
4168.0	12.417	9.054	7.035	5.645	4.911	3.230	0.193	1.042	0.897	0.081	0.027	0.036	0.029	0.001	0.000
4169.2	12.558	9.171	7.128	5.698	4.959	3.268	0.222	1.046	0.901	0.097	0.035	0.046	0.037	0.002	0.001
4171.6	12.779	9.341	7.284	5.789	5.034	3.321	0.267	1.059	0.913	0.123	0.051	0.062	0.053	0.005	0.003
4174.0	13.046	9.647	7.555	5.935	5.199	3.434	0.365	1.102	0.944	0.175	0.085	0.096	0.088	0.012	0.004
4177.0	13.490	9.949	7.771	6.068	5.313	3.532	0.442	1.139	0.971	0.216	0.117	0.123	0.108	0.017	0.008
4178.7	13.935	10.215	7.980	6.202	5.434	3.623	0.518	1.164	1.002	0.259	0.151	0.153	0.121	0.022	0.012
4180.9	14.394	10.553	8.267	6.393	5.597	3.745	0.624	1.209	1.047	0.315	0.197	0.193	0.136	0.031	0.015
4183.6	15.075	11.050	8.667	6.669	5.823	3.913	0.771	1.272	1.117	0.394	0.262	0.251	0.157	0.049	0.023
4185.8	15.454	11.444	8.998	6.918	6.029	4.058	0.869	1.342	1.184	0.466	0.323	0.297	0.188	0.067	0.033
4187.9	15.898	11.911	9.359	7.183	6.247	4.220	1.033	1.420	1.261	0.546	0.390	0.353	0.226	0.091	0.046
4190.1	16.965	12.341	9.734	7.479	6.484	4.384	1.173	1.512	1.349	0.639	0.459	0.407	0.268	0.119	0.064
4192.2	17.614	12.849	10.097	7.777	6.713	4.549	1.301	1.611	1.443	0.724	0.527	0.459	0.315	0.149	0.087
4194.2	18.269	13.267	10.442	8.092	6.942	4.685	1.412	1.719	1.545	0.819	0.593	0.505	0.362	0.185	0.113
4196.3	18.987	13.699	10.755	8.462	7.172	4.834	1.524	1.852	1.665	0.922	0.662	0.550	0.414	0.221	0.143
4198.4	19.686	14.132	11.111	8.862	7.421	4.993	1.646	2.019	1.805	1.036	0.737	0.594	0.476	0.272	0.181
4200.4	20.505	14.694	11.517	9.331	7.714	5.180	1.780	2.217	1.979	1.176	0.831	0.649	0.542	0.337	0.226
4202.4	21.441	15.265	11.965	9.846	8.039	5.394	1.965	2.457	2.183	1.338	0.939	0.719	0.627	0.417	0.284
4204.4	22.464	15.917	12.501	10.426	8.411	5.642	2.155	2.730	2.419	1.524	1.063	0.800	0.734	0.510	0.354
4206.3	23.553	16.693	13.072	11.045	8.824	5.907	2.332	3.048	2.677	1.721	1.194	0.985	0.848	0.615	0.430
4208.2	24.654	17.584	13.617	11.694	9.259	6.183	2.515	3.398	2.951	1.922	1.325	0.972	0.973	0.727	0.516
4210.0	25.761	18.115	14.238	12.354	9.667	6.446	2.740	3.762	3.243	2.141	1.471	1.068	1.105	0.850	0.611
4211.9	26.986	18.971	14.853	13.082	10.159	6.759	2.998	4.178	3.567	2.373	1.625	1.167	1.250	0.985	0.714
4213.7	28.119	19.791	15.433	13.768	10.593	7.045	3.211	4.588	3.882	2.599	1.774	1.264	1.392	1.113	0.819
4215.5	29.301	20.594	16.057	14.472	11.061	7.341	3.449	5.000	4.203	2.831	1.933	1.362	1.541	1.250	0.918
4217.2	30.386	21.245	16.617	15.133	11.483	7.605	3.643	5.383	4.505	3.048	2.069	1.453	1.681	1.374	1.014
4218.9	31.498	21.965	17.196	15.787	11.912	7.875	3.853	5.751	4.794	3.265	2.205	1.545	1.813	1.493	1.108
4220.6	32.540	22.645	17.719	16.411	12.303	8.119	4.043	6.089	5.069	3.462	2.331	1.624	1.931	1.603	1.197
4222.3	33.552	23.305	18.217	16.995	12.677	8.353	4.229	6.381	5.315	3.648	2.447	1.694	2.031	1.702	1.279
4223.9	34.403	23.861	18.653	17.482	12.984	8.539	4.366	6.607	5.514	3.804	2.547	1.755	2.111	1.779	1.343
4225.6	35.154	24.324	18.954	17.871	13.253	8.703	4.461	6.776	5.662	3.932	2.629	1.811	2.174	1.836	1.392
4227.4	35.827	24.754	19.279	18.161	13.469	8.845	4.607	6.941	5.757	4.028	2.697	1.855	2.235	1.873	1.425
4229.4	36.201	25.008	19.462	18.320	13.595	8.927	4.667	7.006	5.803	4.072	2.736	1.880	2.257	1.881	1.434
4231.3	36.932	25.412	19.794	18.691	13.823	9.061	4.771	7.164	5.927	4.177	2.814	1.919	2.308	1.921	1.468
4232.4	37.749	25.913	20.171	19.152	14.119	9.223	4.864	7.365	6.111	4.318	2.906	1.969	2.377	1.985	1.523
4233.9	38.674	26.483	20.596	19.695	14.453	9.427	5.040	7.631	6.344	4.489	3.011	2.028	2.471	2.073	1.595
4235.3	39.605	27.053	21.032	20.259	14.791	9.629	5.194	7.934	6.599	4.662	3.123	2.090	2.580	2.173	1.675
4236.7	40.571	27.665	21.486	20.860	15.154	9.847	5.341	8.284	6.878	4.850	3.241	2.160	2.706	2.289	1.765
4238.1	41.572	28.297	21.966	21.492	15.535	10.070	5.503	8.666	7.173	5.051	3.361	2.232	2.846	2.413	1.862
4239.4	42.510	28.882	22.395	22.093	15.897	10.279	5.652	9.044	7.469	5.247	3.475	2.299	2.984	2.543	1.956
4240.7	43.460	29.493	22.857	22.708	16.264	10.493	5.805	9.431	7.764	5.442	3.594	2.367	3.125	2.672	2.053
4242.0	44.412	30.104	23.298	23.314	16.622	10.708	5.945	9.822	8.060	5.637	3.713	2.432	3.264	2.801	2.152
4243.3	45.358	30.704	23.744	23.921	16.994	10.919	6.121	10.208	8.352	5.831	3.825	2.498	3.409	2.929	2.251
4244.5	46.226	31.255	24.154	24.475	17.323	11.115	6.263	10.550	8.615	6.013	3.934	2.559	3.533	3.041	2.338
4245.7	47.081	31.793	24.560	25.014	17.653	11.307	6.401	10.872	8.869	6.190	4.041	2.621	3.651	3.149	2.424
4246.9	47.913	32.327	24.955	25.532	17.963	11.496	6.539	11.178	9.107	6.361	4.143	2.684	3.758	3.251	2.505
4248.0	48.646	32.795	25.298	25.984	18.247	11.662	6.643	11.419	9.311	6.510	4.234	2.737	3.848	3.336	2.576
4249.1	49.347	33.223	25.606	26.406	18.507	11.811	6.774	11.640	9.497	6.648	4.315	2.786	3.921	3.413	2.639
4250.2	50.021	33.645	25.920	26.803	18.757	11.958	6.840	11.833	9.664	6.777	4.395	2.834	3.987	3.481	2.697
4251.3	50.653	34.042	26.217	27.163	18.993	12.095	6.941	11.993	9.809	6.890	4.472	2.876	4.044	3.539	2.748
4253.0	51.503	34.575	26.608	27.624	19.308	12.283	7.103	12.186	9.991	7.038	4.575	2.945	4.109	3.609	2.814
4254.0	51.943	34.853	26.812	27.844	19.467	12.381	7.198	12.272	10.073	7.110	4.629	2.978	4.138	3.642	2.843
4256.0	52.643	35.323	27.154	28.189	19.724	12.549	7.311	12.396	10.190	7.218	4.712	3.031	4.180	3.685	2.885
4258.0	53.112	35.680	27.434	28.360	19.899	12.676	7.445	12.469	10.253	7.284	4.767	3.066	4.204	3.709	2.910
4260.0	53.388	35.922	27.631	28.468	20.005	12.765	7.506	12.512	10.284	7.320	4.799	3.089	4.219	3.721	2.919
4262.0	53.545	36.067	27.751	28.530	20.065	12.818	7.548	12.533	10.293	7.340	4.817	3.100	4.220	3.725	2.920
4264.0	53.636	36.145	27.814	28.562	20.093	12.846	7.568	12.537	10.304	7.352	4.825	3.100	4.222	3.727	2.920
4266.0	53.693	36.191	27.856	28.583	20.119	12.864	7.579	12.539	10.305	7.357	4.825	3.100	4.223	3.727	2.920
4268.0	53.738	36.222	27.880	28.603	20.137	12.874	7.585	12.540	10.305	7.357	4.825	3.100	4.223	3.727	2.920
4270.0	53.775	36.245	27.900	28.619	20.143	12.884	7.585	12.541	10.305	7.359	4.825	3.100	4.223	3.727	2.920
4273.0	53.821	36.269	27.925	28.634	20.163	12.888	7.585	12.542	10.305	7.357	4.825	3.100	4.223	3.727	2.920
4275.3	53.850	36.283	27.931	28.649	20.173	12.888	7.585	12.542	10.305	7.357	4.825	3.100	4.223	3.727	2.920
4277.4	53.874	36.297	27.934	28.656	20.182	12.888	7.585	12.542	10.305	7.357	4.825	3.100	4.223	3.727	2.920
4279.7	53.907	36.313	27.947	28.667	20.193	12.888	7.585	12.542	10.305	7.357	4.825	3.100	4.223	3.727	2.920
4281.8	53.930	36.323	27.950	28.678	20.203	12.894	7.585	12.542	10.305	7.357	4.825	3.100	4.223	3.727	2.920

Table 5-1 $\int_{\nu'} A(\nu)d\nu$ (cont'd)

Sam. No.	1	2	3	4	5	6	7	8	9	10	11	12
p(atm)	$2.50_0 \times 10^0$	$2.53_0 \times 10^0$	$2.53_0 \times 10^0$	$2.50_0 \times 10^0$	$2.00_0 \times 10^0$	$1.00_0 \times 10^0$	$1.00_0 \times 10^0$	$1.46_1 \times 10^1$	$1.00_1 \times 10^1$	$1.00_1 \times 10^1$	$1.00_1 \times 10^1$	$1.00_0 \times 10^0$
P_e(atm)	$3.29_0 \times 10^0$	$3.32_0 \times 10^0$	$3.32_0 \times 10^0$	$3.29_0 \times 10^0$	$2.62_0 \times 10^0$	$1.31_0 \times 10^0$	$1.31_0 \times 10^0$	2.03×10^1	$1.36_1 \times 10^1$	$1.36_1 \times 10^1$	$1.36_1 \times 10^1$	$1.36_1 \times 10^1$
u(atm cm) STP	$2.17_5 \times 10^5$	$1.10_5 \times 10^5$	$5.52_4 \times 10^4$	$2.80_4 \times 10^4$	$1.71_4 \times 10^4$	5.62×10^3	$2.81_3 \times 10^3$	4.73×10^4	$3.16_4 \times 10^4$	$1.58_4 \times 10^4$	$7.93_3 \times 10^3$	$3.99_3 \times 10^3$

ν (cm^{-1})	ν'=5814 cm^{-1}	ν'=5905 cm^{-1}	ν'=5905 cm^{-1}	ν'=5905 cm^{-1}	ν'=5904.6 cm^{-1}	ν'=5904.8 cm^{-1}	ν'=5904.8 cm^{-1}	ν'=5905 cm^{-1}	ν'=5905 cm^{-1}	ν'=5905 cm^{-1}	ν'=5905 cm^{-1}	ν'=5905 cm^{-1}
6284.1	224.178	180.837	143.813	109.681	165.405	126.437	98.334	146.305	124.742	92.777	69.0 2	42.69
6287.5	225.249	181.449	144.124	109.742	165.894	126.854	98.384	146.758	125.039	92.894	69.07 9	42.674
6289.8	226.068	181.912	144.374	109.928	166.266	127.215	98.442	147.082	125.237	92.986	69.08 8	42.741
6291.8	227.007	182.486	144.692	110.062	166.732	127.525	98.562	147.476	125.487	93.101	69.09 1	42.531
6294.1	228.127	183.209	145.103	110.247	167.297	128.115	98.719	147.965	125.801	93.253	69.09 1	42.529
6296.4	229.460	184.106	145.621	110.579	168.040	128.735	98.915	148.545	126.190	93.447	69.13	42.541
6298.7	230.948	185.156	146.259	110.937	168.913	129.463	99.123	149.260	126.680	93.693	69.20	42.495
6301.0	232.558	186.353	147.031	111.396	169.907	130.229	99.442	150.137	127.304	94.013	69.44	42.485
6303.2	234.266	187.699	147.959	111.956	171.023	131.113	99.815	151.144	128.052	94.407	69.0 8	42.596
6305.4	236.134	189.227	149.043	112.661	172.335	132.104	100.277	152.357	128.987	94.919	69.9 3	42.729
6307.6	238.108	190.901	150.288	113.510	173.765	133.264	100.811	153.795	130.131	95.584	70.2 3	42.937
6309.8	240.178	192.741	151.715	114.533	175.368	134.578	101.478	155.444	131.494	96.423	70.788	43.153
6311.9	242.316	194.436	153.241	115.701	177.075	135.914	102.234	157.193	133.009	97.406	71.4 6	43.453
6314.0	244.493	196.426	154.972	117.031	178.918	137.493	103.161	159.076	134.701	98.564	72.0 6	43.584
6316.1	246.792	198.673	156.813	118.525	180.860	139.211	104.143	161.056	136.535	99.949	72.9 7	44.135
6317.1	247.992	199.859	157.719	119.304	181.801	140.051	104.734	162.024	137.443	100.660	73.5 6	44.613
6320.2	250.492	202.734	160.664	121.843	184.827	142.985	106.533	165.065	140.387	103.087	75.4 4	45.613
6322.2	252.492	204.728	162.613	123.615	186.805	144.857	107.846	167.046	142.335	104.793	76.8 5	46.439
6324.1	254.392	206.426	164.493	125.367	188.697	146.618	109.018	168.937	144.204	106.469	78.0 4	47.011
6326.1	256.392	208.626	166.447	127.264	190.697	148.524	110.243	170.937	146.145	108.335	79.0 3	48.185
6328.0	258.292	210.526	168.384	129.061	192.597	150.362	111.395	172.837	148.075	110.129	79.9 9	49.537
6329.9	260.192	212.426	170.248	130.940	194.497	152.188	112.548	174.737	149.975	111.951	80.1 2	50.277
6331.7	261.992	214.226	172.088	132.693	196.297	153.919	113.616	176.537	151.775	113.647	80.0 5	51.151
6333.5	263.792	216.026	173.843	134.464	198.097	155.677	114.756	178.337	153.575	115.452	80.1 2	52.470
6335.3	265.592	217.826	175.683	136.238	199.897	157.519	115.993	180.137	155.375	117.212	80.2 0	53.629
6337.1	267.392	219.626	177.483	138.016	201.697	159.329	117.251	181.937	157.175	118.976	80.2 6	54.781
6338.8	269.092	221.326	179.193	139.694	203.397	161.079	118.418	183.637	158.875	120.643	80.2 2	55.883
6340.5	270.792	223.026	180.883	141.375	205.097	162.973	119.680	185.337	160.575	122.307	80.1 9	56.94
6342.2	272.492	224.726	182.583	143.045	206.797	164.673	120.961	187.037	162.275	123.955	80.1 4	57.936
6343.8	274.092	226.326	184.183	144.615	208.397	166.269	122.054	188.637	163.873	125.478	80.0 2	58.824
6345.4	275.692	227.926	185.781	146.164	209.997	165.867	123.158	190.237	165.461	126.914	81.0 6	59.66
6347.8	278.092	230.317	188.091	148.417	212.363	168.169	125.355	192.631	167.782	128.875	83.6 5	60.833
6349.3	279.592	231.807	189.519	149.815	213.833	169.543	126.561	194.122	169.213	130.052	84.1 2	60.779
6350.9	281.192	233.405	191.095	151.294	215.425	171.061	127.868	195.714	170.764	131.420	85.1 6	61.430
6352.4	282.692	234.905	192.593	152.745	216.925	172.558	129.156	197.213	172.243	132.807	86.2 1	62.126
6353.8	284.092	236.305	193.993	154.128	218.428	173.958	130.470	198.613	173.643	134.155	87.2 3	62.923
6355.2	285.492	237.705	195.393	155.515	219.728	175.358	131.748	200.013	175.043	135.524	88.2 5	63.811
6356.6	286.892	239.105	196.791	156.918	221.128	176.758	133.048	201.413	176.443	136.905	89.2 2	64.747
6357.9	288.192	240.405	198.091	158.224	222.428	178.058	134.353	202.713	177.743	138.193	90.1 4	65.744
6359.3	289.592	241.805	199.493	159.633	223.828	179.459	135.660	204.113	179.143	139.581	90.1 5	66.747
6360.6	290.892	243.105	200.791	160.941	225.128	180.759	136.944	205.413	180.441	140.872	90.0 1	67.734
6361.9	292.192	244.405	202.093	162.248	226.428	182.059	138.242	206.713	181.743	142.164	90.0 9	68.738
6363.1	293.392	245.605	203.295	163.458	227.628	183.265	139.444	207.913	182.943	143.357	90.0 3	69.674
6364.3	294.592	246.805	204.493	164.682	228.828	184.465	140.663	209.113	184.143	144.556	90.0 3	70.623
6365.6	295.892	248.105	205.795	165.984	230.128	185.765	141.918	210.413	185.443	145.842	90.0 5	71.554
6366.7	296.992	249.205	206.895	166.985	231.228	186.865	142.973	211.513	186.543	146.935	90.0 9	72.374
6367.8	298.092	250.305	207.993	167.984	232.328	187.965	144.032	212.613	187.643	148.022	90.0 0	73.221
6369.2	299.492	251.705	209.395	169.260	233.728	189.365	145.311	214.013	189.043	149.391	90.0 0	74.415
6370.7	300.992	253.205	210.895	170.487	235.228	190.858	146.695	215.513	190.539	150.828	90.0 0	74.859
6371.5	301.792	254.005	211.669	171.248	236.024	191.654	147.434	216.313	191.337	151.569	90.0 0	75.259
6373.0	303.292	255.505	213.191	172.583	237.524	193.133	148.824	217.809	192.815	152.891	90.0 0	75.941
6374.2	304.492	256.705	214.393	173.793	238.727	194.329	149.963	219.001	193.970	153.858	90.0 0	76.334
6376.0	306.292	258.494	216.149	175.599	240.512	196.041	151.598	220.757	195.603	155.109	90.0 0	76.973
6378.0	308.292	260.461	217.949	176.677	242.443	197.901	153.338	222.579	197.173	156.182	90.0 0	77.415
6380.0	310.272	262.288	219.475	177.852	244.308	199.593	154.802	224.140	198.393	156.916	90.0 0	77.44
6382.0	312.163	263.807	220.544	178.521	245.604	200.957	155.788	225.344	199.229	157.383	90.0 0	77.541
6384.7	313.788	264.909	221.312	178.704	246.567	201.922	156.572	226.194	199.771	157.670	90.0 2	77.672
6386.0	315.039	265.629	221.734	178.734	247.181	202.534	156.734	226.780	200.115	157.844	90.0 6	77.731
6388.0	315.874	266.168	222.023	178.864	247.564	202.941	156.814	227.173	200.331	157.957	90.0 4	77.784
6390.0	316.391	266.328	222.182	179.140	247.801	203.152	156.858	227.453	200.474	158.028	90.0 1	77.750
6392.0	316.704	266.476	222.284	179.181	247.945	203.272	156.870	227.661	200.573	158.078	90.0 1	77.741
6394.0	316.898	266.564	222.327	179.255	248.140	203.328	156.880	227.822	200.652	158.111	90.0 4	77.730
6396.0	317.027	266.622	222.340	179.217	248.194	203.344	156.859	227.951	200.712	158.137	90.0 2	77.730
6398.0	317.121	266.669	222.345	179.264	248.154	203.341	156.844	228.063	200.763	158.159	90.0 2	77.738
6400.0	317.206	266.713	222.404	179.234	248.195	203.382	156.900	228.164	200.803	158.174	90.0 5	77.734
6402.0	317.309	266.766	222.434	179.239	248.241	203.417	156.933	228.259	200.843	158.188	90.0 9	77.729
6404.0	317.422	266.822	222.461	179.244	248.292	203.431	156.911	228.347	200.880	158.202	90.0 0	77.729
6406.0	317.550	266.885	222.490	179.255	248.353	203.463	156.914	228.429	200.913	158.216	90.0 0	77.729
6408.0	317.686	266.955	222.523	179.265	248.416	203.513	156.915	228.510	200.953	158.230	90.0 0	77.734
6410.0	317.825	267.024	222.563	179.278	248.481	203.563	156.915	228.586	200.997	158.244	90.0 0	77.734
6412.0	317.961	267.092	222.593	179.294	248.548	203.620	156.915	228.659	201.033	158.256	90.0 0	77.734
6414.0	318.098	267.154	222.635	179.310	248.611	203.666	156.915	228.724	201.072	158.269	90.0 0	77.734
6416.0	318.229	267.214	222.667	179.324	248.669	203.713	156.915	228.785	201.103	158.274	90.0 0	77.734
6418.0	318.340	267.263	222.693	179.338	248.720	203.753	156.915	228.844	201.131	158.285	90.0 0	77.734
6420.0	318.431	267.304	222.719	179.350	248.760	203.777	156.915	228.899	201.152	158.289	90.0 0	77.734
6422.0	318.507	267.347	222.742	179.358	248.795	203.796	156.915	228.950	201.173	158.290	90.0 0	77.734
6424.0	318.568	267.377	222.759	179.364	248.828	203.810	156.915	228.994	201.185	158.290	90.0 0	77.734
6426.0	318.610	267.401	222.771	179.368	248.860	203.820	156.915	229.034	201.201	158.290	90.0 0	77.734
6428.0	318.634	267.419	222.777	179.370	248.885	203.829	156.915	229.069	201.212	158.290	90.0 0	77.734
6430.0	318.648	267.431	222.782	179.372	248.903	203.829	156.915	229.100	201.223	158.290	90.0 0	77.734
6432.0	318.667	267.441	222.785	179.373	248.919	203.829	156.915	229.128	201.229	158.290	90.0 0	77.734
6434.0	318.694	267.452	222.788	179.373	248.935	203.829	156.915	229.156	201.235	158.290	90.0 0	77.734
6436.0	318.726	267.469	222.791	179.375	248.951	203.829	156.915	229.184	201.243	158.290	90.0 0	77.734
6438.0	318.774	267.487	222.795	179.377	248.970	203.833	156.915	229.213	201.251	158.290	90.0 0	77.734
6440.0	318.818	267.507	222.802	179.381	248.993	203.853	156.915	229.242	201.261	158.290	90.0 0	77.734
6442.0	318.871	267.536	222.813	179.386	249.018	203.844	156.915	229.272	201.273	158.290	90.0 0	77.734
6444.0	318.925	267.559	222.813	179.392	249.042	203.852	156.915	229.304	201.285	158.290	90.0 0	77.734
6446.2	318.991	267.597	222.827	179.401	249.072	203.862	156.916	229.340	201.305	158.290	90.0 0	77.734
6448.1	319.048	267.636	222.834	179.409	249.100	203.873	156.915	229.374	201.323	158.290	90.0 0	77.734
6450.2	319.132	267.684	222.845	179.420	249.137	203.895	156.916	229.415	201.337	158.290	90.0 0	77.734
6452.8	319.224	267.738	222.865	179.431	249.182	203.927	156.926	229.455	201.351	158.290	90.0 0	77.734
6453.8	319.350	267.809	222.893	179.445	249.242	203.974	156.935	229.505	201.371	158.293	90.0 0	77.734
6455.7	319.543	267.917	222.942	179.469	249.335	204.044	156.956	229.587	201.402	158.299	90.0 0	77.734
6457.8	319.824	268.078	223.024	179.512	249.475	204.147	156.997	229.661	201.451	158.315	90.0 3	77.734
6459.7	320.168	268.278	223.115	179.564	249.647	204.273	157.051	229.772	201.517	158.340	90.0 2	77.734
6461.8	320.657	268.566	223.255	179.645	249.883	204.471	157.161	229.935	201.620	158.381	90.0 4	77.734
6463.8	321.271	268.934	223.445	179.752	250.184	204.722	157.319	230.144	201.754	158.438	90.0 2	77.734
6465.7	322.004	269.385	223.691	179.891	250.573	205.024	157.524	230.398	201.923	158.512	90.0 1	77.732
6467.6	322.869	269.947	224.003	180.063	251.037	205.390	157.779	230.713	202.133	158.613	90.0 1	77.745
6468.5	323.288	270.242	224.162	180.167	251.314	205.595	157.912	230.889	202.259	158.672	90.0 1	77.753

Table 5-1 $\int_{\nu'} A(\nu)d\nu$ (cont'd)

Sam. No.	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
p(atm)	2.30_{-1} x 10^{-1}	2.30_{-1} x 10^{-1}	1.16_{-1} x 10^{-1}	7.70_{-2} x 10^{-2}	7.70_{-2} x 10^{-2}	7.70_{-2} x 10^{-2}	3.87_{-2} x 10^{-2}	6.65_{-1} x 10^{-1}	6.65_{-1} x 10^{-1}	2.36_{-2} x 10^{-2}	2.36_{-2} x 10^{-2}	2.36_{-2} x 10^{-2}	2.17_{-1} x 10^{-1}	2.17_{-1} x 10^{-1}	2.17_{-1} x 10^{-1}
P_r(atm)	9.99_{-1} x 10^{-1}	3.00_{-1} x 10^{-1}	1.50_{-1} x 10^{-1}	1.00_{1} x 10^{0}	3.03_{-1} x 10^{-1}	1.00_{-1} x 10^{-1}	5.03_{-2} x 10^{-2}	1.31_{1} x 10^{1}	8.65_{-1} x 10^{-1}	3.00_{-1} x 10^{-1}	1.02_{-1} x 10^{-1}	3.04_{-2} x 10^{-2}	1.30_{1} x 10^{1}	1.00_{0} x 10^{0}	2.83_{-1} x 10^{-1}
u(atm cm) STP	9.94_{3} x 10^{3}	9.94_{3} x 10^{3}	9.94_{3} x 10^{3}	3.32_{3} x 10^{3}	3.32_{3} x 10^{3}	3.32_{3} x 10^{3}	3.32_{3} x 10^{3}	1.01_{3} x 10^{3}	1.01_{3} x 10^{3}	1.01_{3} x 10^{3}	1.01_{3} x 10^{3}	1.01_{3} x 10^{3}	3.30_{2} x 10^{2}	3.30_{2} x 10^{2}	3.30_{2} x 10^{2}
ν (cm^{-1})	ν'=5955 cm^{-1}	ν'=5955 cm^{-1}	ν'=5955 cm^{-1}	ν'=5965 cm^{-1}	ν'=5965 cm^{-1}	ν'=5965 cm^{-1}	ν'=6141.7 cm^{-1}	ν'=6021.9 cm^{-1}	ν'=6021.9 cm^{-1}	ν'=6141.7 cm^{-1}	ν'=6141.7 cm^{-1}	ν'=6141.7 cm^{-1}	ν'=6155 cm^{-1}	ν'=6155 cm^{-1}	ν'=6155 cm^{-1}
5294.1	53.978	36.333	27.96n	28.690	20.213	12.965	7.595	12.542	10.30[illegible]	7.357	4.825	3.1[illegible]	4.223	3.727	2.920
5297.5	54.040	36.362	27.994	28.721	20.219	12.922	7.596	12.543	10.305	7.358	4.825	3.100	4.223	3.727	2.920
5299.6	54.083	36.389	28.021	28.745	20.232	12.934	7.599	12.544	10.305	7.361	4.825	3.100	4.223	3.727	2.920
5291.8	54.134	36.432	28.054	28.777	20.249	12.951	7.603	12.545	10.307	7.367	4.834	3.102	4.223	3.727	2.920
5294.1	54.206	36.491	28.103	28.819	20.271	12.968	7.609	12.547	10.309	7.374	4.850	3.106	4.223	3.727	2.920
5296.4	54.305	36.567	28.163	28.863	20.302	12.986	7.612	12.549	10.311	7.386	4.865	3.112	4.223	3.727	2.920
5298.7	54.431	36.662	28.237	28.921	20.344	13.014	7.624	12.552	10.315	7.395	4.883	3.119	4.224	3.727	2.920
5301.0	54.593	36.778	28.329	28.995	20.399	13.054	7.722	12.564	10.333	7.407	4.904	3.125	4.228	3.729	2.920
5303.2	54.798	36.903	28.424	29.078	20.464	13.106	7.772	12.581	10.345	7.429	4.929	3.143	4.235	3.731	2.920
5305.4	55.059	37.065	28.545	29.190	20.545	13.165	7.824	12.602	10.374	7.459	4.955	3.168	4.243	3.737	2.921
5307.6	55.371	37.243	28.682	29.327	20.645	13.234	7.854	12.633	10.414	7.497	4.997	3.176	4.254	3.747	2.925
5309.8	55.746	37.454	28.844	29.497	20.765	13.319	7.918	12.683	10.465	7.549	5.041	3.209	4.267	3.762	2.936
5311.9	56.207	37.713	29.034	29.713	20.911	13.462	7.965	12.757	10.534	7.612	5.087	3.238	4.283	3.785	2.949
5314.0	56.746	38.019	29.270	29.982	21.087	13.508	8.048	12.852	10.622	7.689	5.145	3.275	4.309	3.815	2.969
5316.1	57.358	38.373	29.549	30.296	21.289	13.634	8.119	12.976	10.734	7.783	5.213	3.316	4.340	3.853	2.997
5317.1	57.646	38.525	29.680	30.438	21.373	13.685	8.214	13.037	10.794	7.828	5.250	3.342	4.372	3.872	3.008
5320.2	58.832	39.239	30.209	31.043	21.782	13.936	8.543	13.301	11.033	8.016	5.374	3.415	4.461	3.962	3.075
5322.2	59.650	39.727	30.581	31.496	22.053	14.111	8.568	13.522	11.224	8.152	5.464	3.486	4.530	4.033	3.127
5324.1	60.528	40.272	30.990	31.987	22.357	14.303	8.672	13.771	11.435	8.385	5.560	3.526	4.607	4.111	3.189
5326.1	61.514	40.895	31.441	32.552	22.695	14.521	8.848	14.069	11.675	8.478	5.671	3.591	4.704	4.205	3.262
5328.0	62.524	41.537	31.952	33.135	23.049	14.747	9.010	14.386	11.935	8.698	5.785	3.661	4.810	4.310	3.342
5329.9	63.580	42.223	32.474	33.752	23.424	14.987	9.192	14.736	12.215	8.856	5.911	3.737	4.930	4.426	3.428
5331.7	64.644	42.914	32.998	34.373	23.812	15.229	9.381	15.097	12.501	9.058	6.032	3.818	5.055	4.540	3.515
5333.5	65.713	43.613	33.534	35.031	24.217	15.487	9.578	15.479	12.795	9.268	6.167	3.902	5.188	4.663	3.608
5335.3	66.808	44.317	34.085	35.696	24.625	15.741	9.788	15.876	13.101	9.474	6.299	3.984	5.326	4.794	3.703
5337.1	67.915	45.034	34.615	36.367	25.042	16.011	9.993	16.277	13.413	9.683	6.435	4.073	5.468	4.927	3.804
5338.8	68.975	45.745	35.165	37.021	25.465	16.284	10.197	16.692	13.709	9.895	6.574	4.161	5.600	5.051	3.899
5340.5	70.026	46.453	35.710	37.658	25.883	16.554	10.362	17.088	13.995	10.102	6.704	4.248	5.725	5.170	3.990
5342.2	71.049	47.121	36.218	38.261	26.273	16.814	10.546	17.330	14.268	10.295	6.834	4.330	5.834	5.280	4.076
5343.8	71.969	47.712	36.656	38.786	26.603	17.024	10.747	17.588	14.480	10.461	6.945	4.402	5.920	5.367	4.147
5345.4	72.798	48.257	37.073	39.231	26.903	17.237	10.912	17.795	14.655	10.609	7.045	4.473	5.987	5.435	4.202
5347.0	73.685	48.873	37.557	39.632	27.203	17.454	11.092	18.015	14.792	10.728	7.141	4.543	6.058	5.493	4.248
5348.3	74.229	49.263	37.958	39.878	27.395	17.583	11.154	18.127	14.873	10.798	7.201	4.591	6.095	5.515	4.263
5350.9	75.012	49.807	38.276	40.276	27.683	17.771	11.344	18.288	15.015	10.928	7.295	4.656	6.150	5.555	4.285
5352.4	75.869	50.380	38.711	40.760	28.003	17.980	11.512	18.500	15.211	11.084	7.401	4.726	6.227	5.625	4.337
5353.8	76.751	50.941	39.136	41.283	28.331	18.182	11.656	18.758	15.441	11.246	7.509	4.791	6.320	5.713	4.427
5355.2	77.680	51.524	39.595	41.862	28.684	18.402	11.815	19.069	15.784	11.427	7.625	4.859	6.430	5.815	4.507
5356.6	78.652	52.171	40.085	42.479	29.066	18.639	12.010	19.427	15.993	11.624	7.750	4.937	6.557	5.935	4.598
5357.9	79.585	52.775	40.547	43.075	29.431	18.865	12.168	19.792	16.289	11.815	7.872	5.007	6.687	6.059	4.688
5359.3	80.614	53.444	41.059	43.740	29.835	19.115	12.365	20.209	16.614	12.027	8.007	5.088	6.837	6.199	4.792
5360.6	81.680	54.105	41.574	44.376	30.233	19.370	12.545	20.611	16.925	12.235	8.142	5.167	6.983	6.334	4.890
5361.9	82.603	54.797	42.114	45.024	30.649	19.638	12.745	21.018	17.244	12.449	8.280	5.252	7.128	6.471	4.992
5363.1	83.532	55.447	42.621	45.627	31.033	19.892	12.932	21.391	17.535	12.647	8.414	5.331	7.261	6.598	5.088
5364.3	84.456	56.079	43.103	46.220	31.404	20.134	13.113	21.756	17.825	12.839	8.541	5.409	7.393	6.722	5.184
5365.6	85.445	56.761	43.631	46.852	31.803	20.401	13.314	22.133	18.124	13.051	8.680	5.498	7.528	6.853	5.283
5366.7	86.264	57.331	44.075	47.378	32.153	20.630	13.485	22.432	18.367	13.225	8.795	5.574	7.633	6.959	5.364
5367.8	87.070	57.873	44.497	47.877	32.473	20.842	13.650	22.707	18.595	13.389	8.903	5.647	7.728	7.059	5.442
5369.2	88.095	58.597	45.054	48.490	32.883	21.110	13.847	23.016	18.865	13.591	9.043	5.736	7.839	7.169	5.533
5370.7	89.114	59.321	45.597	49.078	33.289	21.383	14.049	23.296	19.117	13.785	9.180	5.830	7.932	7.272	5.619
5371.9	89.996	59.953	45.846	49.551	33.475	21.510	14.142	23.424	19.233	13.876	9.245	5.877	7.978	7.319	5.659
5373.0	90.444	60.223	46.294	49.807	33.803	21.734	14.352	23.622	19.418	14.028	9.359	5.957	8.046	7.393	5.721
5374.2	91.092	60.669	46.641	50.123	34.043	21.902	14.498	23.748	19.538	14.132	9.439	6.020	8.091	7.439	5.761
5376.0	91.890	61.239	47.081	50.493	34.335	22.121	14.684	23.890	19.672	14.253	9.539	6.099	8.145	7.494	5.807
5378.0	92.555	61.752	47.487	50.772	34.572	22.320	14.862	23.991	19.771	14.342	9.615	6.165	8.184	7.533	5.840
5380.0	92.990	62.123	47.786	50.945	34.724	22.461	14.995	24.053	19.827	14.391	9.665	6.210	8.209	7.559	5.860
5382.0	93.251	62.363	47.988	51.047	34.813	22.549	15.082	24.083	19.859	14.417	9.695	6.234	8.221	7.572	5.873
5384.0	93.395	62.499	48.100	51.108	34.863	22.599	15.134	24.096	19.875	14.432	9.709	6.246	8.228	7.582	5.878
5386.0	93.480	62.575	48.163	51.151	34.903	22.627	15.164	24.104	19.884	14.443	9.713	6.246	8.232	7.589	5.879
5388.0	93.527	62.620	48.196	51.176	34.922	22.640	15.180	24.111	19.885	14.449	9.713	6.246	8.235	7.593	5.879
5390.0	93.550	62.643	48.209	51.192	34.935	22.645	15.186	24.114	19.889	14.451	9.713	6.246	8.237	7.594	5.879
5392.0	93.564	62.659	48.214	51.202	34.944	22.645	15.187	24.115	19.889	14.451	9.713	6.246	8.237	7.594	5.879
5394.0	93.572	62.663	48.214	51.209	34.949	22.645	15.187	24.115	19.889	14.451	9.713	6.246	8.237	7.594	5.879
5396.0	93.575	62.663	48.214	51.212	34.949	22.645	15.187	24.115	19.889	14.451	9.713	6.246	8.237	7.594	5.879
5398.0	93.577	62.663	48.214	51.212	34.949	22.645	15.187	24.115	19.889	14.451	9.713	6.246	8.237	7.594	5.879
5400.0	93.577	62.663	48.214	51.212	34.949	22.645	15.187	24.115	19.889	14.451	9.713	6.246	8.237	7.594	5.879
5402.0	93.577	62.663	48.214	51.212	34.949	22.645		24.115	19.889						
5404.0	93.577	62.663	48.214	51.212	34.949	22.645		24.115	19.889						
5406.0	93.577	62.663	48.214	51.212	34.949	22.645		24.115	19.889						
5408.0	93.577	62.663	48.214	51.212	34.949	22.645		24.115	19.889						
5410.0	93.577	62.663	48.214	51.212	34.949	22.645		24.115	19.889						
5412.0	93.577	62.663	48.214	51.212	34.949	22.645		24.115	19.889						
5414.0	93.577	62.663	48.214	51.212	34.949	22.645		24.115	19.889						
5416.0	93.577	62.663	48.214	51.212	34.949	22.645		24.115	19.889						
5418.0	93.577	62.663	48.214	51.212	34.949	22.645		24.115	19.889						
5420.0	93.577	62.663	48.214	51.212	34.949	22.645		24.115	19.889						
5422.0	93.577	62.663	48.214	51.212	34.949	22.645		24.115	19.889						
5424.0	93.577	62.663	48.214	51.212	34.949	22.645		24.115	19.889						
5426.0	93.577	62.663	48.214	51.212	34.949	22.645		24.115	19.889						
5428.0	93.577	62.663	48.214	51.212	34.949	22.645		24.115	19.889						
5430.0	93.577	62.663	48.214	51.212	34.949	22.645		24.115	19.889						
5432.0	93.577	62.663	48.214	51.212	34.949	22.645		24.115	19.889						
5434.0	93.577	62.663	48.214	51.212	34.949	22.645		24.115	19.889						
5436.0	93.577	62.663	48.214	51.212	34.949	22.645		24.115	19.889						
5438.0	93.577	62.663	48.214	51.212	34.949	22.645		24.115	19.889						
5440.0	93.577	62.663	48.214	51.213	34.949	22.645		24.115	19.889						
5442.0	93.577	62.663	48.214	51.215	34.949	22.645		24.115	19.889						
5444.0	93.579	62.663	48.214	51.220	34.949	22.645		24.115	19.889						
5446.2	93.587	62.663	48.214	51.227	34.949	22.645		24.115	19.889						
5448.1	93.596	62.663	48.214	51.235	34.949	22.645		24.115	19.889						
5450.2	93.607	62.663	48.214	51.243	34.949	22.645		24.115	19.889						
5452.0	93.616	62.665	48.214	51.254	34.949	22.645		24.115	19.889						
5453.8	93.628	62.671	48.216	51.266	34.949	22.646		24.115	19.889						
5455.7	93.639	62.677	48.224	51.279	34.951	22.645		24.115	19.889						
5457.9	93.654	62.684	48.241	51.292	34.954	22.648		24.115	19.889						
5459.7	93.677	62.701	48.261	51.307	34.967	22.652		24.116	19.889						
5461.5	93.706	62.727	48.283	51.325	34.963	22.661		24.118	19.889						
5463.8	93.743	62.759	48.317	51.346	34.973	22.671		24.121	19.889						
5465.7	93.791	62.798	48.351	51.370	34.989	22.683		24.125	19.891						
5467.6	93.859	62.852	48.393	51.401	35.011	22.701		24.130	19.895						
5469.5	93.898	62.878	48.418	51.419	35.021	22.710		24.133	19.897						

Table 5-1 $\int_{\nu'}^{\nu} A(\nu)d\nu$ (cont'd)

Sam. No.	1	2	3	4	5	6	7	8	9	10	11	12
p(atm)	$2.50_0 \times 10^0$	$2.53_0 \times 10^0$	$2.53_0 \times 10^0$	$2.50_0 \times 10^0$	$2.00_0 \times 10^0$	$1.00_0 \times 10^0$	$1.00_0 \times 10^0$	$1.46_1 \times 10^1$	$1.00_1 \times 10^1$	$1.00_1 \times 10^1$	$1.00_1 \times 10^1$	$1.00_0 \times 10^0$
P_e(atm)	$3.29_0 \times 10^0$	$3.32_0 \times 10^0$	$3.32_0 \times 10^0$	$3.29_0 \times 10^0$	$2.62_0 \times 10^0$	$1.31_0 \times 10^0$	$1.31_0 \times 10^0$	$2.03_1 \times 10^1$	$1.36_1 \times 10^1$	$1.36_1 \times 10^1$	$1.36_1 \times 10^1$	$1.36_1 \times 10^1$
u(atm cm) STP	$2.17_5 \times 10^5$	$1.10_5 \times 10^5$	$5.57_4 \times 10^4$	$2.80_4 \times 10^4$	$1.71_4 \times 10^4$	$5.62_4 \times 10^4$	$2.19_4 \times 10^4$	$4.71_4 \times 10^4$	$3.16_4 \times 10^4$	$1.59_4 \times 10^4$	$7.93_3 \times 10^3$	$3.99_3 \times 10^3$

ν (cm^{-1})	ν'=5814 cm^{-1}	ν'=5905 cm^{-1}	ν'=5905 cm^{-1}	ν'=5905 cm^{-1}	ν'=5909.5 cm^{-1}	ν'=5909.5 cm^{-1}	ν'=5909.5 cm^{-1}	ν'=5905 cm^{-1}	ν'=5905 cm^{-1}	ν'=5905 cm^{-1}	ν'=5905 cm^{-1}	ν'=5905 cm^{-1}
6471.3	324,330	271,356	224,847	180,545	252,232	256,[illegible]	[illegible]	231,574	202,739	156,900	[illegible]	77,91[illegible]
6473.2	326,211	272,978	225,425	180,887	252,999	256,890	68,934	232,164	203,158	156,125	[illegible]	77,95[illegible]
6475.0	327,551	273,280	226,071	181,287	253,845	257,495	144,218	232,820	203,635	156,375	[illegible]	78,01[illegible]
6476.8	328,997	274,397	226,815	181,758	254,779	258,213	144,541	233,578	204,195	156,674	[illegible]	78,09[illegible]
6478.7	330,609	275,682	227,704	182,328	255,848	259,052	144,934	234,493	204,882	157,053	[illegible]	78,19[illegible]
6480.5	332,219	277,001	228,663	182,950	256,969	259,944	[illegible]	235,471	205,630	157,474	[illegible]	78,29[illegible]
6482.2	333,782	278,322	229,653	183,604	258,108	260,849	145,809	236,486	206,413	157,924	[illegible]	78,41[illegible]
6484.0	335,482	279,784	230,763	184,355	259,362	261,867	146,315	237,640	207,330	158,461	[illegible]	78,55[illegible]
6485.7	337,112	281,216	231,884	185,125	260,619	262,885	146,822	238,787	208,253	159,011	[illegible]	78,70[illegible]
6487.5	338,859	282,772	233,113	185,980	261,991	264,013	147,419	240,055	209,279	159,628	[illegible]	78,88[illegible]
6489.2	340,521	284,268	234,321	186,830	263,324	265,107	[illegible]	241,282	210,281	160,236	[illegible]	79,05[illegible]
6490.9	342,188	285,781	235,545	187,690	264,688	266,232	148,570	242,528	211,299	160,859	[illegible]	79,23[illegible]
6492.6	343,861	287,296	236,769	188,544	266,053	267,361	149,191	243,777	212,317	161,482	[illegible]	79,41[illegible]
6494.2	345,435	288,718	237,914	189,339	267,332	268,422	149,724	244,936	213,255	162,050	[illegible]	79,58[illegible]
6495.9	347,097	290,218	239,093	190,141	268,671	269,541	[illegible]	246,126	214,213	162,621	[illegible]	79,75[illegible]
6497.5	348,653	291,585	240,147	190,836	269,898	270,568	[illegible]	247,192	215,045	[illegible]	[illegible]	79,90[illegible]
6499.1	350,180	292,885	241,104	191,433	271,049	271,521	[illegible]	248,175	215,787	[illegible]	[illegible]	80,03[illegible]
6500.7	351,628	294,040	241,901	191,888	272,045	272,344	[illegible]	249,050	216,413	[illegible]	[illegible]	80,13[illegible]
6503.1	353,334	295,216	242,612	192,265	273,004	273,137	[illegible]	250,151	217,124	[illegible]	[illegible]	80,24[illegible]
6504.6	354,389	295,944	243,060	192,523	273,586	273,617	[illegible]	250,799	217,531	[illegible]	[illegible]	80,30[illegible]
6506.1	355,703	296,982	243,773	192,961	274,486	274,345	[illegible]	251,519	218,055	[illegible]	[illegible]	80,35[illegible]
6507.6	357,135	298,224	244,691	193,557	275,596	275,265	[illegible]	252,381	218,727	[illegible]	[illegible]	80,44[illegible]
6509.1	358,602	299,550	245,737	194,273	276,816	276,299	[illegible]	253,376	219,528	[illegible]	[illegible]	80,55[illegible]
6510.6	360,086	300,942	246,874	195,077	278,092	277,395	[illegible]	254,470	220,434	[illegible]	[illegible]	80,67[illegible]
6512.1	361,576	302,347	248,055	195,944	279,398	278,569	[illegible]	255,637	221,415	[illegible]	[illegible]	80,80[illegible]
6513.5	362,973	303,679	249,192	196,796	280,651	279,598	[illegible]	256,771	222,373	[illegible]	[illegible]	81,10[illegible]
6514.9	364,371	305,024	250,363	197,675	281,923	280,727	[illegible]	257,927	223,365	[illegible]	[illegible]	81,30[illegible]
6516.3	365,768	306,373	251,543	198,560	283,204	281,885	[illegible]	259,095	224,363	[illegible]	[illegible]	81,50[illegible]
6517.7	367,145	307,718	252,718	199,434	284,471	283,005	[illegible]	260,265	225,363	[illegible]	[illegible]	81,70[illegible]
6519.1	368,563	309,052	253,873	200,294	285,724	284,102	[illegible]	261,427	226,353	[illegible]	[illegible]	81,90[illegible]
6520.5	369,958	310,382	255,012	201,130	286,970	285,204	[illegible]	262,569	227,315	[illegible]	[illegible]	82,10[illegible]
6521.8	371,293	311,651	256,051	201,874	288,125	286,237	[illegible]	263,602	228,175	[illegible]	[illegible]	82,27[illegible]
6523.1	372,541	312,819	257,049	202,571	289,247	287,213	[illegible]	264,598	228,992	[illegible]	[illegible]	82,42[illegible]
6524.4	373,823	313,989	257,992	203,219	290,335	288,165	[illegible]	265,545	229,749	[illegible]	[illegible]	82,57[illegible]
6525.7	375,099	315,133	258,893	203,814	291,381	289,042	[illegible]	266,434	230,450	[illegible]	[illegible]	82,69[illegible]
6527.0	376,363	316,240	259,742	204,352	292,392	289,943	[illegible]	267,260	231,089	[illegible]	[illegible]	82,81[illegible]
6528.3	377,598	317,294	260,513	204,852	293,334	290,766	[illegible]	268,014	231,659	[illegible]	[illegible]	82,91[illegible]
6529.5	378,718	318,213	261,173	205,222	294,150	[illegible]	[illegible]	268,646	232,127	[illegible]	[illegible]	82,99[illegible]
6530.7	379,799	319,065	261,763	205,561	294,895	[illegible]	[illegible]	269,215	232,541	[illegible]	[illegible]	83,06[illegible]
6531.9	380,838	319,854	262,285	205,858	295,574	[illegible]	[illegible]	269,726	232,905	[illegible]	[illegible]	83,12[illegible]
6533.1	381,827	320,575	262,751	[illegible]	296,185	[illegible]	[illegible]	270,182	233,225	[illegible]	[illegible]	83,17[illegible]
6534.3	382,782	321,250	263,171	[illegible]	296,752	273,822	[illegible]	270,600	233,515	[illegible]	[illegible]	83,22[illegible]
6538.0	385,773	323,371	264,483	[illegible]	298,573	[illegible]	[illegible]	271,802	234,371	[illegible]	[illegible]	83,35[illegible]
6539.0	386,368	323,728	264,723	[illegible]	298,851	[illegible]	[illegible]	272,074	234,554	[illegible]	[illegible]	83,38[illegible]
6541.5	387,832	324,482	265,144	[illegible]	299,451	[illegible]	[illegible]	272,571	234,863	[illegible]	[illegible]	83,43[illegible]
6543.0	388,500	325,018	265,442	[illegible]	299,882	[illegible]	[illegible]	272,855	235,054	[illegible]	[illegible]	83,44[illegible]
6544.3	389,322	325,536	265,734	[illegible]	300,303	[illegible]	[illegible]	273,122	235,231	[illegible]	[illegible]	83,49[illegible]
6545.8	390,323	326,184	266,105	[illegible]	300,833	[illegible]	[illegible]	273,453	235,457	[illegible]	[illegible]	83,51[illegible]
6547.2	391,298	326,824	266,473	[illegible]	301,362	[illegible]	[illegible]	273,784	235,685	[illegible]	[illegible]	83,54[illegible]
6548.2	392,010	327,295	266,754	[illegible]	301,754	[illegible]	[illegible]	274,028	235,855	[illegible]	[illegible]	83,57[illegible]
6550.0	393,291	328,145	267,255	[illegible]	302,465	[illegible]	[illegible]	274,479	236,163	[illegible]	[illegible]	83,61[illegible]
6551.3	394,206	328,752	267,615	[illegible]	302,973	[illegible]	[illegible]	274,802	236,395	[illegible]	[illegible]	83,64[illegible]
6552.6	395,105	329,348	267,965	[illegible]	303,473	[illegible]	[illegible]	275,118	236,617	[illegible]	[illegible]	83,67[illegible]
6554.0	396,056	329,988	268,331	[illegible]	303,989	[illegible]	[illegible]	275,443	236,845	[illegible]	[illegible]	83,70[illegible]
6555.4	396,969	330,547	268,671	[illegible]	304,472	[illegible]	[illegible]	275,749	237,057	[illegible]	[illegible]	83,73[illegible]
6556.7	397,752	331,043	268,959	[illegible]	304,880	[illegible]	[illegible]	276,007	237,237	[illegible]	[illegible]	83,75[illegible]
6557.8	398,386	331,430	269,173	[illegible]	305,200	[illegible]	[illegible]	276,204	237,373	[illegible]	[illegible]	83,76[illegible]
6559.0	399,018	331,804	269,393	[illegible]	305,511	[illegible]	[illegible]	276,398	237,505	[illegible]	[illegible]	83,77[illegible]
6560.3	399,491	332,074	269,543	[illegible]	305,741	[illegible]	[illegible]	276,540	237,603	[illegible]	[illegible]	83,78[illegible]
6562.0	400,282	332,509	269,784	[illegible]	306,117	[illegible]	[illegible]	276,770	237,761	[illegible]	[illegible]	83,85[illegible]
6564.0	400,843	332,805	269,942	[illegible]	306,384	[illegible]	[illegible]	276,939	237,873	[illegible]	[illegible]	83,88[illegible]
6566.0	401,187	332,986	270,054	[illegible]	306,548	[illegible]	[illegible]	277,055	237,965	[illegible]	[illegible]	83,89[illegible]
6568.0	401,419	333,103	270,121	[illegible]	306,661	[illegible]	[illegible]	277,133	238,005	[illegible]	[illegible]	83,90[illegible]
6570.0	401,582	333,191	270,173	[illegible]	306,744	[illegible]	[illegible]	277,191	238,044	[illegible]	[illegible]	83,90[illegible]
6572.0	401,729	333,264	270,207	[illegible]	306,813	[illegible]	[illegible]	277,234	238,074	[illegible]	[illegible]	83,91[illegible]
6574.0	401,841	333,328	270,238	[illegible]	306,867	[illegible]	[illegible]	277,272	238,100	[illegible]	[illegible]	83,91[illegible]
6576.0	401,943	333,386	270,263	[illegible]	306,902	[illegible]	[illegible]	277,304	238,122	[illegible]	[illegible]	83,91[illegible]
6578.0	402,034	333,434	270,289	[illegible]	306,929	[illegible]	[illegible]	277,333	238,143	[illegible]	[illegible]	83,91[illegible]
6580.0	402,112	333,480	270,312	[illegible]	306,951	[illegible]	[illegible]	277,361	238,153	[illegible]	[illegible]	83,91[illegible]
6582.0	402,177	333,517	270,333	[illegible]	306,965	[illegible]	[illegible]	277,387	238,165	[illegible]	[illegible]	83,91[illegible]
6584.0	402,233	333,546	270,343	[illegible]	306,977	[illegible]	[illegible]	277,409	238,172	[illegible]	[illegible]	83,91[illegible]
6586.0	402,282	333,569	270,357	[illegible]	306,985	[illegible]	[illegible]	277,425	238,173	[illegible]	[illegible]	83,91[illegible]
6588.0	402,324	333,585	270,353	[illegible]	306,990	[illegible]	[illegible]	277,437	238,173	[illegible]	[illegible]	83,91[illegible]
6590.0	402,359	333,594	270,361	[illegible]	306,991	[illegible]	[illegible]	277,447	238,173	[illegible]	[illegible]	83,91[illegible]
6592.0	402,387	333,596	270,360	[illegible]	306,991	[illegible]	[illegible]	277,455	238,173	[illegible]	[illegible]	83,91[illegible]
6594.0	402,407							277,462	238,173	[illegible]	[illegible]	83,91[illegible]
6596.0	402,421							277,467	238,173	[illegible]	[illegible]	83,91[illegible]
6598.0	402,427							277,471	238,173	[illegible]	[illegible]	83,91[illegible]
6599.0	402,428							277,473	238,173	[illegible]	[illegible]	83,91[illegible]
6600.0								277,473	238,173	[illegible]	[illegible]	83,91[illegible]
6601.0								277,474	238,173	[illegible]	[illegible]	83,91[illegible]
6602.0								277,474	238,173	[illegible]	[illegible]	83,91[illegible]
6603.0								277,474	238,173	[illegible]	[illegible]	83,91[illegible]
6604.0								277,474	238,173	[illegible]	[illegible]	83,91[illegible]
6605.0								277,474	238,173	[illegible]	[illegible]	83,91[illegible]

Table 5-1 $\int_{\nu'} A_{\omega} d\nu$ (cont'd)

Scan No.	13	14	15	16	17	18	19	20	21
p(atm)	2.30_{-1} x 10^{-1}	2.30_{-1} x 10^{-1}	1.16_{-1} x 10^{-1}	7.70_{-2} x 10^{-2}	7.70_{-2} x 10^{-2}	7.70_{-2} x 10^{-2}	3.87_{-2} x 10^{-2}	6.65_{-1} x 10^{-1}	6.65_{-1} x 10^{-1}
P_c (atm)	9.99_{-1} x 10^{-1}	3.00_{-1} x 10^{-1}	1.50_{-1} x 10^{-1}	1.001_{0} x 10^{0}	3.03_{-1} x 10^{-1}	1.001_{-1} x 10^{-1}	5.03_{-2} x 10^{-2}	1.31_{1} x 10^{1}	8.65_{-1} x 10^{-1}
u(atm cm) STP	9.94_{3} x 10^{3}	9.94_{3} x 10^{3}	9.94_{3} x 10^{3}	3.32_{3} x 10^{3}	3.32_{3} x 10^{3}	3.32_{3} x 10^{3}	3.32_{3} x 10^{3}	1.01_{3} x 10^{3}	1.01_{3} x 10^{3}

ν (cm^{-1})	v'=5955 cm^{-1}	v'=5955 cm^{-1}	v'=5955 cm^{-1}	v'=5965 cm^{-1}	v'=5965 cm^{-1}	v'=5965 cm^{-1}	v'=6141.7 cm^{-1}	v'=6021.9 cm^{-1}	v'=6021.9 cm^{-1}
5471.6	94.045	62.985	48.564	51.477	35.064	22.753		24.144	19.989
5473.2	94.179	63.077	48.575	51.524	35.097	22.787		24.157	19.921
5475.0	94.317	63.174	48.657	51.583	35.138	22.826		24.172	19.935
5476.4	94.482	63.283	48.757	51.649	35.187	22.869		24.186	19.953
5478.7	94.682	63.423	48.855	51.732	35.243	22.920		24.282	19.975
5480.5	94.897	63.567	48.969	51.826	35.307	22.976		24.221	20.000
5482.2	95.128	63.715	49.086	51.925	35.379	23.033		24.243	20.027
5484.0	95.402	63.892	49.223	52.043	35.461	23.102		24.268	20.063
5485.7	95.675	64.071	49.361	52.169	35.548	23.169		24.299	20.097
5487.5	95.987	64.263	49.513	52.307	35.649	23.241		24.338	20.137
5489.2	96.296	64.456	49.659	52.444	35.753	23.312		24.379	20.173
5490.9	96.613	64.655	49.813	52.582	35.851	23.387		24.423	20.221
5492.6	96.933	64.864	49.969	52.723	35.951	23.467		24.468	20.264
5494.2	97.234	65.053	50.118	52.852	36.043	23.548		24.511	20.304
5495.9	97.543	65.260	50.276	52.981	36.145	23.615		24.554	20.342
5497.5	97.819	65.442	50.421	53.093	36.232	23.684		24.591	20.375
5499.1	98.059	65.621	50.554	53.190	36.313	23.745		24.623	20.402
5500.7	98.242	65.763	50.667	53.256	36.369	23.797		24.650	20.422
5503.1	98.374	65.882	50.756	53.309	36.407	23.830		24.677	20.437
5504.6	98.451	65.937	50.819	53.342	36.427	23.859		24.689	20.441
5506.1	98.611	66.049	50.925	53.406	36.473	23.906		24.780	20.452
5507.6	98.836	66.202	51.001	53.487	36.537	23.959		24.714	20.473
5509.1	99.113	66.391	51.216	53.611	36.622	24.021		24.739	20.504
5510.6	99.426	66.602	51.382	53.746	36.724	24.106		24.773	20.541
5512.1	99.768	66.833	51.557	53.897	36.838	24.189		24.816	20.585
5513.5	100.114	67.061	51.739	54.050	36.954	24.267		24.860	20.630
5514.9	100.471	67.301	51.925	54.212	37.073	24.351		24.908	20.677
5516.3	100.832	67.543	52.111	54.375	37.191	24.437		24.960	20.726
5517.7	101.186	67.785	52.298	54.535	37.310	24.524		25.012	20.774
5519.1	101.537	68.027	52.486	54.692	37.427	24.608		25.063	20.821
5520.5	101.881	68.262	52.672	54.838	37.543	24.690		25.114	20.865
5521.8	102.188	68.474	52.837	54.967	37.641	24.767		25.162	20.907
5523.1	102.475	68.673	52.998	55.088	37.733	24.840		25.205	20.945
5524.4	102.745	68.873	53.149	55.199	37.823	24.910		25.244	20.978
5525.7	102.985	69.042	53.286	55.297	37.903	24.973		25.277	21.008
5527.0	103.204	69.209	53.424	55.383	37.983	25.033		25.305	21.035
5528.3	103.395	69.363	53.549	55.457	38.049	25.087		25.329	21.063
5529.5	103.549	69.491	53.656	55.512	38.102	25.134		25.348	21.079
5530.7	103.681	69.605	53.751	55.562	38.145	25.172		25.366	21.094
5531.9	103.796	69.705	53.835	55.601	38.185	25.214		25.380	21.105
5533.1	103.898	69.793	53.913	55.639	38.218	25.246		25.390	21.114
5534.3	103.975	69.873	53.982	55.665	38.244	25.274		25.399	21.122
5535.0	104.255	70.137	54.246	55.769	38.332	25.375		25.421	21.141
5539.0	104.288	70.183	54.282	55.777	38.348	25.396		25.427	21.145
5541.5	104.361	70.247	54.357	55.805	38.370	25.426		25.442	21.155
5543.0	104.419	70.295	54.415	55.827	38.393	25.446		25.449	21.157
5544.3	104.480	70.347	54.473	55.846	38.409	25.464		25.453	21.159
5545.8	104.559	70.413	54.547	55.872	38.431	25.487		25.457	21.159
5547.2	104.636	70.477	54.617	55.899	38.455	25.510		25.462	21.161
5548.2	104.694	70.525	54.671	55.920	38.473	25.529		25.465	21.162
5550.0	104.794	70.612	54.771	55.957	38.513	25.565		25.470	21.165
5551.3	104.867	70.675	54.841	55.988	38.534	25.591		25.474	21.168
5552.6	104.936	70.743	54.918	56.021	38.563	25.616		25.480	21.173
5554.0	105.007	70.807	54.975	56.053	38.587	25.643		25.487	21.173
5555.4	105.073	70.869	55.037	56.081	38.613	25.670		25.494	21.175
5556.7	105.125	70.923	55.090	56.103	38.629	25.692		25.500	21.179
5557.8	105.167	70.962	55.130	56.119	38.644	25.709		25.506	21.180
5559.0	105.209	71.001	55.172	56.136	38.659	25.726		25.511	21.182
5560.0	105.240	71.028	55.203	56.148	38.669	25.739		25.515	21.183
5582.0	105.298	71.072	55.252	56.167	38.685	25.763		25.521	21.184
5564.0	105.325	71.105	55.286	56.181	38.693	25.782		25.526	21.185
5566.0	105.347	71.122	55.307	56.193	38.700	25.798		25.528	21.185
5568.0	105.365	71.129	55.319	56.201	38.705	25.809		25.529	21.185
5570.0	105.380	71.131	55.325	56.207	38.708	25.816		25.529	21.185
5572.0	105.391	71.132	55.325	56.209	38.709	25.819		25.529	21.185
5574.0	105.399	71.132	55.325	56.210	38.709	25.819		25.529	21.185
5576.0	105.404	71.132	55.325	56.210	38.709	25.819		25.529	21.185
5578.0	105.405	71.132	55.325	56.210	38.709	25.819		25.529	21.185
5580.0	105.405	71.132	55.325	56.210	38.709	25.819		25.529	21.185
5582.0	105.405	71.132	55.325	56.210	38.709	25.819		25.529	21.185

SECTION 6

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