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SSD-TDR-62-127 - Volume II

INFRARED TRANSMISSION STUDIES

FINAL REPORT, VOLUME II

THE INFRARED ABSORPTION OF WATER VAPOR

P. J. Wyatt
V. R. Stull
G. N. Plass

Contract No. AF 04(695)-96
Project No. 4479-730F

as an extension to

Contract No. AF 19(604)-7479
Project No. 4479
Task No. 447904

20 September 1962

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Prepared for

SPACE SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
Los Angeles, California

as an extension to work sponsored by

GEOPHYSICS RESEARCH DIRECTORATE
AIR FORCE CAMBRIDGE RESEARCH LABORATORIES
Office of Aerospace Research
United States Air Force
Bedford, Massachusetts

AERONUTRONIC DIVISION
FORD MOTOR COMPANY
Newport Beach, California

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ABSTRACT

The infrared absorption of water vapor has been calculated over a wide range of path length, pressure, and temperature from 1000 to 10,000 cm^{-1}. The results are presented in extensive tables which give the transmission over intervals of 2.5 cm^{-1} at wave numbers below 3400 cm^{-1}. The average transmission over intervals of 20, 50, and 100 cm^{-1} is given over the complete frequency range. The calculated data representing the intensity, position, and number of spectral lines in a given frequency interval is tabulated in a form which is useful for transmission calculations. All lines from all isotopic species having an intensity greater than 10^{-8} of the strongest line in an absorption region were included in the calculation. The quasi-random model for the representation of band spectra is discussed in detail. Among its features are the possibility of representing the absorption by a series of lines which are arranged neither at random nor in a regular way.

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SECTION 1

INTRODUCTION

The amount of infrared radiation which is transmitted through the earth's atmosphere is determined largely by the behavior of two molecules: water vapor and carbon dioxide. In this report a method by which the spectral transmission of water vapor has been calculated over a wide range of infrared frequencies is described. The results which were calculated on high speed digital computers are presented in the form of extensive tables. A companion report (SSD-TDR-62-127 - Volume III) presents similar data for carbon dioxide.

The most extensive transmission tables which have been previously calculated are those of Ballard, Larmore, and Passman.[1] Their tables cover a wavelength range from 0.3 to 7.0 μ at intervals of 0.1 μ. The results are for one temperature (300°K) and one pressure (1 atmosphere). They assumed that the transmission is given by the Elsasser model. In particular, they used the error function approximation for the Elsasser model which is of limited accuracy at the higher pressures and shorter path lengths. Furthermore, the Elsasser model itself is a poor representation of the water vapor spectrum because the individual lines are not arranged with the regularity required by this model.

Tables of water vapor transmissions averaged over 20 cm^{-1}, 50 cm^{-1}, and 100 cm^{-1} are presented respectively in three groups. Entries for the 20 cm^{-1} averages are presented every 10 cm^{-1} from 1000 cm^{-1} to 10,000 cm^{-1}. The 50 cm^{-1} and 100 cm^{-1} average entries

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[1] S. S. Ballard, L. Larmore, S. Passman, Fundamentals of Infrared for Military Application, The Rand Corporation, R-297, March 31, 1956 (C).

are presented every 25 cm^{-1} and 50 cm^{-1} respectively in the same frequency range. These tables contain results for three different temperatures (300°K, 250°K, and 200°K) with entries for each temperature at seven pressures and fifteen amounts of H_2O. The range of temperatures, pressures and path lengths cover the range of values which occur in the earth's atmosphere.

Tables of the transmission at intervals of 2.5 cm^{-1} from 1000 cm^{-1} to 3400 cm^{-1} are also presented. These calculations were carried out using the quasi-random model which is capable of representing the spectral transmission of molecular gases quite accurately. A detailed description of this model is given in Section 3.

In Section 2 the molecular structure of H_2O is described together with the rotational and vibrational motions. The intensities and frequencies of the spectral lines are described.

SECTION 2

MOLECULAR STRUCTURE OF WATER VAPOR

2.1 VIBRATIONAL ANALYSIS

The water molecule is a non-linear molecule with three non-degenerate eigen-vibrations, two of which are symmetric and the other antisymmetric.[1] The vibrational potential constants have been measured to second order. The vibrational energy to this order is given by

$$G_o(v_1,v_2,v_3) = \sum_{i=1}^{3} \omega_i(v_i+\tfrac{1}{2}) + \sum_{i=1}^{3} \sum_{j>i} x_{ij}(v_i+\tfrac{1}{2})(v_j+\tfrac{1}{2}) \qquad (1)$$

where the constants ω_i, x_{ij} are listed in Table 1. G_o is the vibrational energy in cm^{-1} and v_i are the vibrational quantum numbers. The data for the main isotopic species HHO^{16} (abundance 0.998) were obtained by Darling and Dennison.[2]

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[1] G. Herzberg, Infrared and Raman Spectra (D. Von Nostrand Company, Inc., New York, 1945).

[2] B. T. Darling and D. M. Dennison, Phys. Rev. 57, 128 (1940).

TABLE 1

VIBRATIONAL CONSTANTS

Isotope	HHO^{16}	HHO^{18}	HHO^{17}	HDO^{16}
$\omega_1 (cm^{-1})$	3825.32	3816.82	3820.52	2824.32
ω_2	1653.91	1647.21	1650.41	1440.21
ω_3	3935.59	3919.69	3927.19	3889.84
x_{11}	- 43.8	- 43.6	- 43.7	- 43.4
x_{12}	- 20.0	- 19.9	- 19.9	- 8.6
x_{13}	-155.0	-154.0	-154.5	- 13.1
x_{22}	- 19.5	- 19.3	- 19.4	- 11.8
x_{23}	- 19.8	- 19.6	- 19.7	- 20.1
x_{33}	- 46.8	- 45.9	- 46.1	- 82.9

For the species HHO^{18} (abundance .002) and HHO^{17} (abundance .0004) the constants were calculated directly from the relations[1]

$$\omega_3^2 = \frac{1}{4\pi^2 c^2}\left(\frac{1}{m(H)} + \frac{2\sin^2\alpha}{m(O)}\right) 8.520 \times 10^5 \qquad (2)$$

$$\omega_1^2 + \omega_2^2 = \frac{1}{4\pi^2 c^2}\left(\frac{14.690\times10^5 - 6.140\times10^5 \sin\alpha}{m(H)} + \frac{21.232\times10^5 \cos^2\alpha}{m(O)}\right) \qquad (3)$$

$$\omega_1^2 \omega_2^2 = \frac{1}{16\pi^4 c^4} \left(\frac{2m(H) + m(O)}{[m(H)]^2 \, m(O)} \; 33.824 \times 10^5 \cos^2\alpha \right) \qquad (4)$$

and

$$x_{ij}^{(\text{isotope})} = x_{ij} \frac{\omega_i^{(\text{isotope})} \omega_j^{(\text{isotope})}}{\omega_i \omega_j} \qquad (5)$$

where m(H) and m(O) are the masses (in grams) of the hydrogen and oxygen atoms respectively and $2\alpha = 105^\circ$ is the angle between the H atoms at the position of the O atom. The numerical constants in Eqs. (2 - 4) and the value of α are obtained from the measured values of ω_i for HHO^{16}. The constants for the species HDO (abundance 3×10^{-4}) were obtained by Benedict, Gailar and Plyler.[3] The other isotopic species of water are not sufficiently abundant to be considered here.

For many molecules accidental degeneracies occur when two or more vibrational states have the same symmetry type and nearly the same energy (see Chapter II.5c of reference 1 or SSD-TDR-62-127 - Volume III). This situation does not occur in H_2O for any of the fundamental vibrational states but does occur for the states (002) and (200) and for all subsequent pairs of states $(v_1 - 2, v_2, v_3 + 2)$ and (v_1, v_2, v_3). For the CO_2 molecule, which is considered in SSD-TDR-62-127 - Volume III, this resonance occurs between the fundamental state (100) and the state (020). Furthermore for CO_2 the perturbation associated with the resonance is produced by the third order terms in the potential while for H_2O the first contribution comes from the fourth order terms. Thus the effect is less significant for H_2O than for CO_2. Darling and Dennison[2] have shown that the off-diagonal elements in the vibrational energy matrix for H_2O are given by

$$W^{v_1, v_2, v_3}_{v_1-2, v_2, v_3+2} = \frac{\gamma}{2} \sqrt{v_1(v_1-1)(v_3+1)(v_3+2)} \qquad (6)$$

where $\gamma = 74.4 \text{ cm}^{-1}$. For the species HDO, $2\omega_1 \neq 2\omega_3$, but

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[3] W. S. Benedict, N. Gailar and E. K. Plyler, J. Chem. Phys. 24, 1139 (1956).

$2\omega_2 \approx \omega_1$, thus the resonance occurs between the states ($v_1 + 1$, $v_2 - 2$, v_3), (v_1, v_2, v_3). Benedict, Gailer and Plyler[3] have shown that for HDO

$$W^{v_1,v_2,v_3}_{v_1+1,v_2-2,v_3} = \frac{\gamma}{2}\sqrt{(v_1+1)v_2(v_2-1)} \qquad (7)$$

where $\gamma = 26.1\ cm^{-1}$.

The elements of the vibrational energy matrix can be evaluated from Eqs. (1) and (6) or (7). The energies of the vibrational level are the eigenvalues of this matrix. A calculation of the vibrational energies has been programmed for the IBM 709 computer. The vibrational energies have been obtained in this manner for all four isotopic species up to the level (013). Levels of higher energy than this were not considered because for the temperatures of interest ($\leq 300^{o}K$) only the levels (000) and (010) are significantly populated. Furthermore, the vibrational transitions between (010) and all levels higher than (013) correspond to frequencies greater than 10,000 cm^{-1} which is beyond the frequency range considered in the current study.

2.2 ROTATIONAL ANALYSIS

In regard to rotation the water molecule is an asymmetric top molecule since its three principal moments of inertia are different.[1] For such a molecule the rotational energies cannot be expressed as simple functions of the rotational quantum numbers.[1,4] Unlike the symmetric rotator there are no rotational degeneracies in the energy levels of the asymmetric rotator. In addition there is no "good" quantum number comparable to the component of angular momentum about the molecular axis of the symmetric top molecule. Thus the spectrum of rotational energy levels which is associated with each vibrational level cannot be described by an analytic expression.

For a given asymmetric molecule an equivalent symmetric top molecule is defined as one for which the two smaller moments of inertia are equal. This moment is taken to be the arithmetic average of the two smaller moments of the asymmetric molecule. In order to describe the rotational energy spectrum of an asymmetric molecule it has been customary to use the equivalent symmetric top molecule, with its good

quantum numbers and analytic energy expressions, as an approximation.[1,4] It is clear that this is permissible only if the asymmetry is slight. For H_2O, which is quite asymmetric, the equivalent symmetric top approximation cannot in general be used to obtain the correct rotational structure. However, in the present study, the exact details of the rotational spectrum are not needed. The detailed arrangement of the spectral lines within a finite frequency interval is not needed, if the number and intensity of the lines in the interval is known. Thus the symmetric top approximation has an application here for the calculation of positions and intensities of the weaker spectral lines. However, it is clear that there will be a lower limit on the size of the frequency interval which may be used. This point is discussed in more detail in section 2.3.

In the present calculation of water vapor transmission the actual asymmetric lines were used for the strongest lines in the lower portion of the frequency range considered. The equivalent symmetric top approximation was used only for the weak lines in this portion of the spectrum and for the frequency range above 3400 cm^{-1} where theoretical calculations of the actual water vapor spectrum are not available. This aspect of the calculations is discussed in detail in section 2.3.

It can be shown that for a symmetric top molecule the rotational energy is given by[1]

$$F_v(J,K) = \bar{B}_{v_2} J(J+1) + (B_{v_1} - \bar{B}_{v_2})K^2 \tag{8}$$

where F_v, $B_{v_1}, \bar{B}_{v_2}$ are all measured in cm^{-1}, J is the total angular momentum quantum number which takes on the values K, K + 1, ..., and K is the component of angular momentum about the symmetry axis. If the symmetric top is used as an approximation for an asymmetric molecule, then the rotational constant B_{v_2} is

$$\bar{B}_{v_2} = \frac{1}{2}(B_{v_2} + B_{v_3}) \tag{9}$$

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[4] P. C. Cross, R. M. Hainer and G. W. King, J. Chem. Phys. 11, 27 (1943); Ibid. 12, 210 (1944).

where B_{v_j} are the rotational constants of the asymmetric molecule given by[3]

$$B_{v_n} = B_{e_n} - \sum_{m=1}^{3} \alpha_{nm}(v_m + \tfrac{1}{2}) \tag{10}$$

where $B_{e_n} = \frac{h}{8\pi^2 c I_n^e}$, n = 1,2,3 and I_n^e are the principal moments of inertia corresponding to the equilibrium position of the vibrating molecule. The constant α_{nm} describes the effect of variation of the moments of inertia caused by the vibration. The integer n refers to the 3 principal axes of rotation and m refers to the 3 modes of vibration.

The numerical values of the rotational constants have been determined by Benedict, Gailar and Plyler[3] and from the isotopic formulas

$$B_{e_n}^{(\text{isotope})} = B_{e_n} \left(\prod_{m=1}^{3} \rho_m \right)^{2/3} \tag{11}$$

and

$$\alpha_{nm}^{(\text{isotope})} = \alpha_{nm}(\rho_n)^3 \tag{12}$$

where $\rho_n = \frac{\omega_n^{(\text{isotope})}}{\omega_n}$. This data is given in Table 2.

TABLE 2

ROTATIONAL CONSTANTS

Species / Constant (cm^{-1})	$HH^{16}O$	$HH^{18}O$	$HH^{17}O$	$HD^{16}O$
B_{v_1}	27.379	27.1910	27.2790	22.6906
$\overline{B}_{v_2}$	22.0550	11.9722	12.0109	7.8398
α_{11}	0.750	0.745	0.747	0.253
α_{21}	-2.941	-2.905	-2.922	-1.798
α_{31}	1.253	1.238	1.245	1.087
$\overline{\alpha}_{12}$ +	0.2199	0.2185	0.2191	0.1544
$\overline{\alpha}_{22}$ +	-0.0104	-0.0103	-0.0104	-0.3800
$\overline{\alpha}_{32}$ +	0.1113	0.1099	0.1106	0.0503

+ $\overline{\alpha}_{n_2} = \frac{1}{2}(\alpha_{n_2} + \alpha_{n_3})$, which corresponds to using Eq. (9) directly.

2.3 INFRARED SPECTRUM

The infrared spectrum of water vapor consists of spectral lines corresponding to transitions between various vibration-rotation energy levels. The frequency of a given line ω, is proportional to the difference in the vibrational plus rotational energy of the final

and initial states. The intensity of a line can be characterized by the integrated absorption per unit pressure given by[5]

$$S = \frac{8\pi^3}{3hc}\,\omega\,\frac{N}{Qp}\exp\left[-\frac{E_{vR}}{kT}\right]\,|\,M\,|^2\left[1-\exp(-\frac{h\omega}{kT})\right] \qquad (13)$$

where N is the number of molecules per unit volume, Q is the partition function, p is the pressure, M is the dipole matrix element corresponding to the transition, and E_{vR} is the vibrational plus rotational energy of the initial state.

The selection rules which govern allowed transitions for a triatomic asymmetric molecule, such as H_2O, are given by Herzberg.[1] For the molecular species HHO there are just two types of rotational transitions allowed. These correspond to the so-called parallel ($\Delta K = 0$) and perpendicular ($\Delta K = \pm 1$) transitions of a symmetric top molecule. Bands made up of transitions of one of these types approach as limits the parallel or perpendicular bands of the equivalent symmetric top molecule. They also have the same general structure. For an asymmetric molecule such as HDO, a given vibrational band will contain rotational transitions of both types. The corresponding band of the equivalent symmetric top molecule will be a hybrid band containing both $\Delta K = 0$ and $\Delta K = \pm 1$ transitions. (The vibrational bands of HHO molecules are not hybrid bands.) The familiar rotational selection rule $\Delta J = 0, \pm 1$, applies to all transitions.

In addition to the transition frequency ω, the matrix element M cannot be expressed explicitly in terms of "good" quantum numbers for an asymmetric top molecule. Thus the expression for the integrated absorption, Eq. (13) is quite untractable. On the other hand, Eq. (13) becomes relatively simple for the symmetric top molecule. In fact for the temperatures of interest here the interaction of vibration and rotation may be neglected in the matrix element M. Furthermore at infrared frequencies, $\exp\left[-\frac{h\omega}{kT}\right] << 1$. Taking these simplifications into account, Eq. (13) for a symmetric top molecule reduces to

$$S_{vKJ}^{v'K'J'} = C_v^{v'}\,\frac{\omega_{vKJ}^{v'K'J'}}{\omega_v^{v'}}\,\exp-\left[\frac{hcF_v(J,K)}{kT}\right]\,S(J,K) \qquad (14)$$

where $\omega_{v',K',J'}^{v',K,J}$ is the frequency of the line, $\omega_v^{v'}$ is the vibrational

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[5] S. S. Penner and A. Thomson, Tech. Rep. No. 25, Contract No. Nonr-220(03) NR 015401, Guggenheim Jet Propulsion Center, Calif. Inst. Tech.

frequency, i.e. the difference between the vibrational energies of the final and initial states, $F_v(J,K)$ is the rotational energy of the initial state given by Eq. (8), $S(J,K)$ are the squares of the pure rotational matrix elements given by[1]

$$S(J,K) \quad (\Delta K = \pm 1) \begin{cases} \dfrac{(J + 2 \pm K)(J + 1 \pm K)}{2(J + 1)} & \Delta J = +1 \\ \dfrac{(J + 1 \pm K)(J \mp K)(2J + 1)}{2J(J + 1)} & \Delta J = 0 \\ \dfrac{(J - 1 \mp K)(J \mp K)}{2J} & \Delta J = -1 \end{cases} \tag{15}$$

and

$$S(J,K) \quad (\Delta K = 0) \begin{cases} \dfrac{(J + 1 + K)(J + 1 - K)}{J + 1} & \Delta J = +1 \\ \dfrac{(2J + 1)K^2}{J(J + 1)} & \Delta J = 0 \\ \dfrac{(J + K)(J - K)}{J} & \Delta J = -1 \end{cases} \tag{16}$$

and the amplitude $C_v^{v'}$ is given by

$$C_v^{v'} = \frac{8\pi^3}{3hc} \omega_v^{v'} \frac{N}{Qp} \exp -\left[\frac{hcG(v)}{kT}\right] |R_v^{v'}|^2 \tag{17}$$

where $G(v)$ is the vibrational energy of the initial state and $R_v^{v'}$ is the purely vibrational matrix element.

Thus it follows that the amplitude $C_v^{v'}$ for a particular vibrational transition at a particular temperature is related to that of any other vibrational transition at another temperature by

$$C_v^{v'}(T) = \frac{\left|R_v^{v'}\right|^2}{\left|R_{v*}^{v'*}\right|^2} C_{v*}^{v'*}(T_o) \frac{N(T)Q(T_o)}{N(T_o)Q(T)} \exp\left[\frac{hcG(v*)}{kT_o} - \frac{hcG(v)}{kT}\right] \quad (18)$$

It can be assumed that $N(T) \sim (p/T)$ and the partition function is given by[1]

$$Q(T) = \prod_{i=1}^{3}\left(1 - \exp\left[-\frac{h\omega_i^o}{kT}\right]\right)^{-1} \exp\left(-\frac{hcB_{e_2}^{\frac{1}{2}} B_{e_3}^{\frac{1}{2}}}{4kT}\right) X$$

$$\left[\frac{\pi(kT/hc^3}{B_{e_1} B_{e_2} B_{e_3}}\right]^{\frac{1}{2}} \left[1 + \frac{1}{12}\left(1 - \frac{B_{e_2}^{\frac{1}{2}} B_{e_3}^{\frac{1}{2}}}{B_{e_1}}\right)\frac{hcB_{e_2}^{\frac{1}{2}} B_{e_3}^{\frac{1}{2}}}{kT}\right] \exp\left[-\frac{hcG(0)}{kT}\right] \quad (19)$$

where ω_i^o are the frequencies of the three fundamental vibrational modes. This expression neglects the interaction of vibration and rotation and assumes $B_{v_n} \approx B_{e_n}$. These assumptions are reasonable for $T \geq 300^oK$.

If the matrix elements $R_v^{v'}$ could be calculated, the intensity of any spectral line could be deduced from Eq. (14). However, quantum mechanical expressions for $R_v^{v'}$ have never been derived for polyatomic molecules such as H_2O; therefore a semi-empirical solution is required. In this regard, absolute measurements are available of the integrated transmission over large frequency intervals in the infrared.[6] These measurements demonstrate that the vibrational bands of water vapor

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[6] J. N. Howard, D. F. Burch and D. Williams, Sci. Rep. #1, AF19(604)-516 The Ohio State University, Dec. 1954.

occur in essentially seven separable groups in the frequency range between 1000 and 10,000 cm^{-1}. Each group is characterized by one or two relatively intense vibrational transitions of $HH^{16}O$ which dominate all the isotopic and higher order bands. Thus integrated transmission measurements cannot be made for a given vibrational band individually, since such measurements necessarily include all of the weaker bands in a given group which occur in the same frequency interval with the most intense transitions. These groups are identified with the most intense band in a frequency interval and by the wavelength which describes the approximate location of the peak absorption. Using the latter designation, the seven groups of the water vapor spectrum are 6.3 μ, 3.2 μ, 2.7 μ, 1.87 μ, 1.38 μ, 1.1 μ, and .94 μ. The complete list of member vibrational transitions of these groups is given in Table 3.

The measurements can be used to determine one normalization constant for each of the seven groups by comparison of the calculated integrated transmission over the transitions in the group for a particular value of pressure and amount of water vapor with measured values of this quantity. Details of this normalization procedure are given in section 4. After this constant is determined, Eq. (18) may be used to calculate the intensity of each vibrational transition in the group provided the ratio of relative intensities $\left(|R_{v}^{v'}|^2/|R_{v}^{v'*}|^2\right)$ is known for the transitions. These relative intensities have been measured by several high resolution studies[3,7,8,9] for many of the vibrational transitions. For other bands the relative intensities may be inferred from the two empirical rules discussed by Herzberg:[1] (1) the relative intensity of a difference band, e.g. (010) → (100), is approximately equal to the Boltzmann factor for the initial state times the relative intensity of the corresponding summation band, e.g. (000) → (110), (2) the relative intensity of bands such as (010) → (110) is approximately equal to the Boltzmann factor for the initial state times the relative intensity of corresponding fundamental bands such as (000) → (100). Furthermore bands which correspond to the accidental resonance discussed previously can be assumed to have the same intensity, e.g. (000) → (200) and (000) → (002). The relative intensities of all the bands for the species $HH^{16}O$ are given in Table 3 for T = 300°K.

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[7] W. S. Benedict, Bull. Amer. Phys. Soc. 23, 54 (1948).

[8] W. S. Benedict, Phys. Rev. 74, 1246 (1948).

[9] W. S. Benedict, H. H. Claassen, and J. H. Shaw, J. Res. Nat. Bur. Stand. 49, 91 (1951).

TABLE 3

VIBRATIONAL TRANSITIONS OF HHO^{16} AT T = 300°K

Group	Transition	Relative Intensity	ΔK
6.3 μ	000 → 010	1.00	± 1
	010 → 020	$9.6 \times 10^{-4(9)}$	± 1
	010 → 100	$1.9 \times 10^{-5(9)}$	± 1
	010 → 001	$9.6 \times 10^{-5(9)}$	0
3.2 μ	000 → 020	1.00	± 1
	010 → 030	4.8×10^{-4}	± 1
2.7 μ	000 → 001	1.00	0
	000 → 100	$.10^{(3)}$	± 1
	010 → 011	4.8×10^{-4}	0
	010 → 110	4.8×10^{-5}	± 1
1.87 μ	000 → 011	1.00	0
	000 → 110	$2.0 \times 10^{-2(7)}$	± 1
	000 → 030	$6.7 \times 10^{-3(7)}$	± 1
	010 → 021	4.8×10^{-4}	0
	010 → 120	9.6×10^{-6}	± 1
	010 → 040	3.2×10^{-6}	± 1
	010 → 101	4.8×10^{-4}	0
	010 → 200	3.8×10^{-5}	± 1
	010 → 002	5.8×10^{-5}	± 1

TABLE 3 (Continued)

Group	Transition	Relative Intensity	ΔK
1.38μ	000→ 101	1.00	0
	000 → 021	1.0×10^{-1} (7)	0
	000 → 120	1.3×10^{-2} (7)	± 1
	000 → 040	4.3×10^{-3}	± 1
	000 → 200	2.5×10^{-1} (7)	± 1
	000 → 002	2.5×10^{-1}	± 1
	010 → 111	4.8×10^{-4}	0
	010 → 031	4.8×10^{-5}	0
	010 → 130	6.2×10^{-6}	± 1
	010 → 050	2.1×10^{-6}	± 1
	010 → 210	1.2×10^{-4}	± 1
	010 → 012	1.2×10^{-4}	± 1
1.1μ	000 → 111	1.00	0
	000 → 031	3.3×10^{-1} (8)	0
	000 → 130	6.0×10^{-2} (8)	± 1
	000 → 050	2.0×10^{-2}	± 1
	000 → 210	8.0×10^{-2} (8)	± 1
	000 → 012	1.2×10^{-1} (8)	± 1
	010 → 121	4.8×10^{-4}	0
	010 → 041	1.6×10^{-4}	0

TABLE 3 (Continued)

Group	Transition	Relative Intensity	ΔK
1.1 μ	010 → 140	2.9×10^{-5}	± 1
	010 → 060	9.6×10^{-6}	± 1
	010 → 220	3.8×10^{-5} (8)	± 1
	010 → 022	5.8×10^{-5} (8)	± 1
	010 → 300	3.2×10^{-6}	± 1
	010 → 003	3.2×10^{-6}	0
	010 → 201	6.4×10^{-6}	0
	010 → 102	9.6×10^{-6}	± 1
.94 μ	000 → 121	1.00	0
	000 → 041	8.3×10^{-2} (8)	0
	000 → 140	1.1×10^{-2}	± 1
	000 → 060	3.7×10^{-3}	± 1
	000 → 220	2.5×10^{-1}	± 1
	000 → 022	2.5×10^{-1}	± 1
	000 → 300	2.1×10^{-1}	± 1
	000 → 003	2.1×10^{-1}	0
	000 → 102	4.2×10^{-1} (8)	± 1
	000 → 201	4.2×10^{-1}	0
	010 → 131	4.8×10^{-4}	0

TABLE 3 (Continued)

Group	Transition	Relative Intensity	Δ K
.94 μ	010 → 051	4.0×10^{-5}	0
	010 → 150	5.3×10^{-6}	$\pm$ 1
	010 → 070	1.8×10^{-6}	$\pm$ 1
	010 → 230	1.2×10^{-4}	$\pm$ 1
	010 → 032	1.2×10^{-4}	$\pm$ 1
	010 → 013	1.0×10^{-4}	$\pm$ 1
	010 → 310	1.0×10^{-4}	0
	010 → 211	2.0×10^{-4}	0
	010 → 112	2.0×10^{-4}	$\pm$ 1

For the other isotopic species the relative intensities are the values in this table multiplied by the relative abundances.

The intensity of any spectral line can be obtained from the appropriate normalization constant, the data in Table 3 and Eqs. (18) and (14). However, these lines correspond to the equivalent symmetric top representation of the water molecule. Thus, it is in order to determine the limitations of this approximation for the calculation of the water vapor transmission. In this regard, it is recalled that the equivalent symmetric top representation introduces a double degeneracy into the spectrum of rotational energy levels such that a given transition represents a pair of transitions in the actual asymmetric molecule spectrum, except for those transitions associated with the levels $K = 0$ for which there is a one-to-one correspondence.

If the asymmetry is slight, a given pair of transitions will occur close together in frequency and very near the frequency of the corresponding symmetric molecule line. Furthermore the intensity of the symmetric molecule line will be approximately equal to the sum of the intensities of the pair. For molecules which have a considerable asymmetry such as H_2O, the latter statement remains valid. This can be seen from the work of Cross, Hainer and King.[4] They have calculated and tabulated the asymmetric molecule matrix elements corresponding to $S(J,K)$ of Eqs. (15) and (16) for values of J up to $J = 11$. These calculations are based on the expressions characteristic of an asymmetric molecule.

On the other hand, the frequencies of the asymmetric molecule lines and those of the equivalent symmetric molecule become farther displaced from each other as the asymmetry increases. This is the major difficulty of the equivalent symmetric molecule approximation. Clearly this displacement of the spectral lines tends to define a lower limit on the frequency interval over which the approximation may be used to calculate transmission. A determination of this displacement for the lines of several H_2O bands has been made. It has been found to range from one up to about 100 cm^{-1} toward both lower and higher frequencies. In general the larger values occur for transitions associated with the larger values of the quantum number J; for the strongest transitions ($J \leq 4$) the displacements are less than approximately 20 cm^{-1}. Thus it appears that the equivalent symmetric top approximation may certainly be used to calculate accurate average transmission values for H_2O when the frequency interval of interest is 50 cm^{-1} or greater.

Fortunately it was possible in the present study to calculate the transmission for frequency intervals much smaller than 50 cm^{-1} below

3400 cm^{-1}. Benedict, Claassen and Shaw[9] and Nielsen[10] have measured and identified the frequencies and intensities of the significant lines of the strongest H_2O bands corresponding to the vibrational transitions: (000) → (010) and (000) → (020) of the 6.3μ and 3.2μ groups. Their calculations were based on the asymmetric top molecule calculations of Cross, Hainer and King.[4] The lines tabulated by Benedict, Claassen and Shaw[9] and Nielsen[10] have been used in the present study. For the weaker lines corresponding to the isotopic and higher order bands which are not included in their tabulation, the equivalent symmetric top approximation has been used. Hence in the 6.3 μ and 3.2μ regions (frequencies below 3400 cm^{-1}) the transmissions were calculated using frequency intervals of 5 cm^{-1} (see Appendix B). This is permissible because the Benedict, et al and Nielsen tabulations include all the strong lines, and the weaker less significant lines are very numerous so that the displacements toward both higher and lower frequencies tend to average out.

For all the bands occurring beyond 3400 cm^{-1} the symmetric top approximation has been used. Thus for frequencies in this range the average transmissions have been tabulated for 20 cm^{-1}, 50 cm^{-1}, and 100 cm^{-1} intervals. In Appendix A the coefficients which were used in the quasi-random model have been tabulated for 5 cm^{-1} intervals for frequencies out to 10,000 cm^{-1}. The transitions were originally calculated for a 5 cm^{-1} interval throughout the spectrum from this data. These results for 5 cm^{-1} intervals were averaged to obtain the transmissions over 20 cm^{-1}, 50 cm^{-1}, and 100 cm^{-1} given in appendices C, D, and E respectively.

Another difficulty inherent in the equivalent symmetric top approximation is the following: For the asymmetric molecule there are allowed transitions, but with low intensity, which correspond to the $|\Delta K| \geq 2$ transitions for the symmetric top molecule. These are forbidden by the selection rules for the symmetric top, Eqs. (15) and (16), and not represented when the equivalent symmetric top approximation is used. However, such transitions are many orders of magnitude less intense than those corresponding to $|\Delta K| = 0,1$.[4] Hence, in general they contribute insignificantly to the absorption and their exclusion is not expected to cause serious errors in the calculations of transmission.

Finally, it should be noted that the rotational levels of a molecule such as H_2O are alternatively symmetric and anti-symmetric

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[10] H. H. Nielsen, Phys. Rev. 59, 565 (1941).

and the ratio of the statistical weights of these two types of states is given by $(\frac{s+1}{s})$,[11] where s is the spin of the two identical nuclei in the molecule. Since the spin of the proton is $\frac{1}{2}$, the anti-symmetric levels of H_2O are weighted 3 times as much as the symmetric levels. Neglecting other functional dependencies, transitions with anti-symmetric initial states are 3 times as intense as those with symmetric initial states. When the equivalent symmetric top approximation is used, the intensities given by Eq. (14) for transitions with K or K' = 0 must be multiplied alternatively by the factors 1 and 3, since there is a one-to-one correspondence between these and the transitions of the asymmetric molecule. When K and K' are greater than zero, a given equivalent symmetric molecule transition corresponds to a pair of transitions, one symmetric and the other anti-symmetric, of the asymmetric molecule and thus is weighted by the factor 4. For the HDO molecule, this intensity alternation does not occur and the weighting factors are taken to be 2, 2, and 4 rather than 1, 3, and 4.

[11] L. I. Schiff, Quantum Mechanics, McGraw-Hill, New York (1949).

SECTION 3

THE QUASI-RANDOM MODEL OF BAND ABSORPTION

3.1 THE QUASI-RANDOM MODEL

Several different spectral models have been derived which represent the average transmission of radiation absorbed by a group of spectral lines which occur within a finite frequency interval. However, the previous models often do not adequately represent the actual transmission over a wide range of pressures and path lengths. The first difficulty is that the assumed arrangement of the spectral lines within the frequency interval does not correspond adequately with the actual spectrum. Secondly, the contributions from lines lying outside the interval are incorrectly taken into account. Furthermore the variation in intensity of the lines is usually represented by inaccurate approximations. Other approximations which are only valid in certain limited cases are sometimes introduced in order to simplify the calculations.

For example, the statistical model[1,2,3] is based on the assumption of a random arrangement of the spectral lines while the Elsasser model assumes a constant spacing between the lines. For the statistical model an expression for the transmission is readily derived from the assumption that each line center has an equal probability of falling at any frequency within the interval. However, in the spectrum of an actual molecule a given frequency

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[1] H. Mayer, Methods of Opacity Calculations, Los Alamos, LA-647, Oct. 31, 1947.

[2] R. M. Goody, Quart. J. Roy. Met. Soc. 78, 165 (1952).

[3] G. N. Plass, J. Opt. Soc. Amer. 48, 690 (1958); 50, 868 (1960).

interval is generally characterized by the occurrence of a relatively small number of stronger lines. These strong lines occur neither at random nor are they regularly arranged. A model is required which localizes the stronger spectral lines so that their positions relative to each other and the interval are taken into account. The quasi-random model localizes the lines to within a frequency interval which is small compared to the final interval of interest.

The quasi-random model is characterized by the following six features which are discussed in more detail later in the report.

1. The stronger spectral lines are well localized by the use of small frequency intervals of width D. Within this small interval D the lines are assumed to be arranged at random. The transmission over larger frequency intervals $\Delta\nu >> D$ is calculated by averaging the results from the smaller intervals.

2. The removal of artificial effects due to the arbitrary division of the spectrum into frequency intervals. This is done by the displacement in frequency of the mesh which divides the spectrum. The transmission is first calculated for one mesh, which defines a certain set of frequency intervals. The calculation is repeated for another mesh which is shifted in frequency by $\frac{1}{2}D$ relative to the first set. In principle, the mesh can be shifted n times by an amount D/n. The final calculated transmission is the average of the results for each of these meshes.

3. The transmission is calculated from expressions which are valid for a finite and possibly small number of spectral lines in the interval. The expression is not used which is valid in the limit as the number of lines becomes very large.

4. The spectral lines in each frequency interval are divided into intensity subgroups which are fine enough to simulate the actual intensity distribution. In the calculation the average intensity of all the lines in each subgroup is used together with the actual number of lines.

5. The Landenberg-Reiche[4] approximation assumes that the frequency interval is infinitely wide. This expression cannot be used

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[4] R. Landenberg and F. Reiche, Ann. Physik 42, 181 (1913).

in this calculation because of the small frequency intervals into which the spectrum is divided. Instead more general expressions have been derived which are valid for a finite frequency interval, and these are used with the quasi-random model.

6. The contribution from the wings of the spectral lines whose centers are outside a given interval is included. The wing effect is treated in the same detailed manner as the contribution from the lines within the interval.

The grouping of spectral lines within small frequency intervals is basic to the quasi-random model. If these intervals are chosen small enough, a transmission characteristic of each interval can be obtained by assuming a random position for the lines within the small interval. An integrated average transmission over much larger frequency intervals can be obtained by averaging the results over the small intervals.

As the size of a frequency interval is decreased, the relative position of the lines with respect to one another within the interval becomes less and less important. Each line may be said to be localized within an error defined by the interval size, D. The lines within the small interval D are considered to occupy random positions within the interval. This assumption cannot be made for larger frequency intervals $\Delta\nu$ where the random hypothesis can introduce errors for several reasons. First, the spacing between the lines may be fairly uniform, in which case the random hypothesis overestimates the overlapping of the lines. Second, the strong lines may all occur near one end of the larger frequency interval. In this case for large path lengths the random hypothesis might predict almost complete absorption, whereas in actuality only a small part of the interval in the region of the strong lines is strongly absorbing and the rest of the interval is nearly transparent.

In both of these cases, if the original interval is subdivided into sufficiently small intervals, each of which may contain only one or at most a few strong lines, the transmission can then be calculated accurately by assuming the random placement of the spectral lines within the small interval. Of course, if the lines are arranged nearly at random in the original large interval, then nothing is lost by a subdivision into finer intervals. Since the model localizes the lines within the smaller frequency interval D, while calculating the absorption for a larger interval $\Delta\nu$, it is called quasi-random.

If the frequency spectrum is divided into small intervals, D, the transmission T in each of these small intervals is calculated from the equations of the statistical model.[1,2,3] If there are n_k lines in the interval D_k with their line centers at the frequencies ν_i ($i = 1,2,\ldots, n_k$), then the transmission at the frequency ν is affected by these n_k lines so that

$$T_{n_k}(\nu) = \frac{1}{D^{n_k}} \prod_{i=1}^{n_k} \int_{D_k} e^{-S_i u b(\nu, \nu_i)} \, d\nu_i \qquad (20)$$

where S_i is the intensity of the ith line, u is the amount of absorbing gas per unit area, and b is the line shape factor. The transmission is calculated at some frequency ν which for convenience is usually taken at the center of the interval D_k. Since this transmission corresponds to the average of all permutations of the positions of the spectral lines within the interval, it is also assumed to represent the most probable transmission for the entire interval.

In principle the transmission of each spectral line should be calculated from its intensity and position and then substituted into Eq. (20). Because of the very large number of spectral lines which were considered in the present calculation, it was not practical to do this even with a presently available high speed digital computer. Thus some method must be found to simulate the actual intensity distribution. A comparison of calculated intensity distributions with those which have been suggested for use with the statistical model[1,2] shows that there is usually poor agreement between the two.

The procedure for intensity simulation adopted here is to divide the lines in each frequency interval into subgroups by intensity decades. When the line intensities are calculated, the results are grouped according to these intensity decades. The average intensity of the lines in each decade is then calculated.

Test calculations have shown that only the first five intensity decades for each frequency interval influence the value of the transmission. Thus only the data for the five strongest intensity decades need be retained for each frequency interval. It should be emphasized that the numerical range of the intensity decades retained are quite different for a frequency interval which contains strong lines than for one which has weak lines. The criterion is applied separately to each frequency interval.

Thus the transmission can be calculated from the average value of the intensity S_i together with the number of lines n_i in each intensity decade from the equation

$$T_{n_k}(\nu) = \prod_{i=1}^{5} \left\{ \frac{1}{D} \int_{D_k} e^{-\bar{S}_i ub(\nu, \nu_i)} \, d\nu_i \right\}^{n_i} \tag{21}$$

The number of lines n_k in the frequency interval is given by

$$n_k = \sum_{i=1}^{5} n_i \tag{22}$$

Of course, the lines could be grouped by intensity using a smaller or larger factor than the decade of intensity adopted here. However, this choice seemed reasonable since it yields intensity subgroups which are sufficiently small intervals so that the average value is never much different from the actual intensity of the lines in the decade, while on the other hand the interval is sufficiently large so that the number of different variables used in the calculation are still within the memory limitations of a modern digital computer. All of the lines which occur in a particular intensity group are considered to occur at random in the frequency interval D_k, as is indicated by Eq. (21). Furthermore each intensity group is treated independently of any other.

The integral in Eq. (21) represents the transmission over the finite interval D_k of a single spectral line representative of the average intensity of the decade. For the small intervals used in the present calculation, it is important to separate the absorption caused by a given spectral line into two parts: the absorption which it produces within the interval which contains its line center and the absorption produced by it in all other frequency intervals arising from its wings. For the calculation of the absorption within the frequency interval which contains the line center the Landenberg-Reiche[4] equation cannot be used. It assumes an infinite frequency interval, whereas the intervals in the present calculation are not necessarily large compared to the effective width of the line. Although equations for the absorption of lines over finite intervals have been obtained previously in certain limits, a general expression

has not been available. This result is given in section 3.2, Eqs. (27), (30), and (32). Because of the small number of strong lines in the smaller frequency intervals, it is important to calculate the transmission of each line which represents an intensity decade and then to multiply these transmissions as indicated in Eq. (21). Accordingly, the exponential expression for the transmission derived from the statistical model when the number of lines approaches infinity may not be used since the number of lines in an intensity decade in these smaller frequency intervals may be small.

The transmission at a frequency ν is also influenced by the wings of spectral lines whose centers are outside of the interval D_k which contains the frequency ν. The wing transmission T_{n_i} from each of these intervals D_i is calculated by assuming a random distribution of the lines within the intervals D_i. Thus by the random hypothesis the transmission at the frequency ν is the product of all transmissions calculated for the lines with centers in other intervals taken with the transmission for the given interval itself, so that

$$T(\nu) = \prod_{i=1}^{\infty} T_{n_i}(\nu) \tag{23}$$

where the subscript n_i indicates that there are n_i lines in the frequency interval D_i. The transmission for the lines whose centers are in the interval D_i are given by Eq. (21). The lines in sufficiently distant intervals from the particular frequency ν have a negligible effect on the transmission, so that in practice the product (Eq. 23) usually needs to be evaluated only over a few terms. Approximate expressions for the wing transmission T_{n_i} are given in section 3.2, Eqs. (27) and (29) for the Lorentz line shape and in section 3.3, Eq. (42), for the Benedict modification of the Lorentz line shape.

Finally, it is necessary to remove the artificial effects arising from the arbitrary division of the spectrum into frequency intervals. In order to illustrate this effect consider a set of six equally intense lines spanning a frequency range of 10 cm^{-1}. If the lines, for simplicity, be nearly evenly spaced, the transmission calculated at the center of the two intervals containing them might be expected to be equal. This would be the case if three lines fell into each 5 cm^{-1} interval, for the model subsequently

attributes a random distribution to each set of lines falling within the chosen intervals. But since the uniform mesh is started at some arbitrary position, it is conceivable that two lines might fall into one interval and four into the other. This situation is illustrated in Fig. 3.1 where the mesh labeled "A" represents the former case while "B" illustrates the latter. The six bars schematically represent the lines and the arrows the frequency divisions.

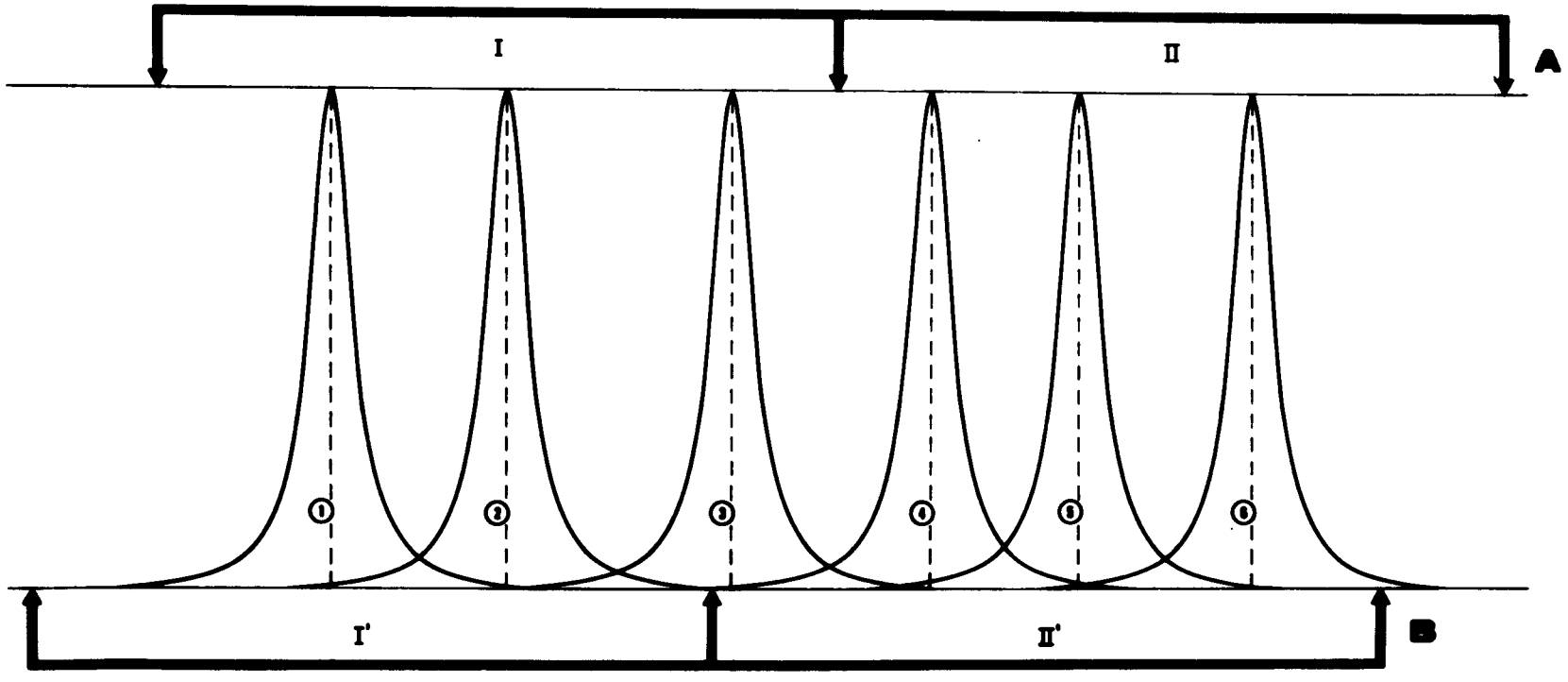
The transmissions calculated at the centers of the intervals in case "B" differ appreciably from those in case "A", whereas physically one would expect them to be nearly equal for lines with such uniform spacing. The disparity, of course, may be blamed firmly upon the positioning of line ③. As far as the model is concerned, the fact that line ③ lies very close to the artificial mesh boundary is of no consequence; in case "A" it has a random probability of being anywhere within interval I whereas in case "B" it may lie anywhere within II'. Thus the model does not take into account such borderline situations. The introduction of such an error is of no practical importance if the results of a number of frequency intervals are to be averaged to obtain the integrated average transmission over a larger interval. However, if the detailed average effective transmission is required over smaller frequency intervals, then the model must be suitably modified.

The modification of the transmission calculations necessary to remedy these artificial errors is extremely simple. The transmission is calculated twice using two meshes one of which has been displaced D/2 cm^{-1} with respect to the other. Thus the first calculation yields values at ν_o, $\nu_o + D$, $\nu_o + 2D$, ... while the second produces transmission values at $\nu_o + D/2$, $\nu_o + 3D/2$, $\nu_o + 5D/2$, ..., where ν_o corresponds to the lowest frequency at which the transmissions are calculated. Thus transmission values are calculated at the following frequencies:

ν_1	ν_o	
ν_2		$\nu_o + D/2$
ν_3	$\nu_o + D$	
ν_4		$\nu_o + 3D/2$
ν_5	$\nu_o + 2D$	
	...	

Figure 3. 1

EFFECT OF MESH DISPLACEMENT



The correct average transmissions at a particular frequency ν_n subsequently are calculated from these values by the following simple formula:

$$\bar{T}(\nu_n) = \frac{T(\nu_{n-1}) + T(\nu_n) + T(\nu_{n+1})}{3} \tag{24}$$

where the T's refer to the effective transmissions calculated by the dual mesh scheme and labeled as shown in the table above. Such a procedure automatically compensates for the artificial errors introduced by the arbitrary mesh positioning and provides an excellent representation of the average transmission over small frequency intervals. All of the average effective transmission values given in this report are averaged in this manner using two meshes shifted relative to each other by $\frac{1}{2}D$.

3.2 THE TRANSMISSION FOR A FINITE FREQUENCY INTERVAL

In this section an expression is derived for the transmission of a finite frequency interval for spectral lines with the Lorentz line shape. A finite number of spectral lines are assumed to be in the interval. Expressions have been derived previously for the transmission according to the statistical model for a finite number of spectral lines[1,2,3] and in certain limits for a finite frequency interval.[3] However, in practical calculations which use the statistical model the assumption seems to have always been made that the equations for an infinite number of spectral lines and an infinite frequency interval are sufficiently accurate. Such expressions cannot be used for the small frequency intervals which are used in the present calculation.

Therefore a general expression for the transmission for finite frequency intervals and a finite number of spectral lines is derived. In this section it is assumed that the Lorentz line shape

$$b(\nu, \nu_i) = \frac{\alpha/\pi}{(\nu - \nu_i)^2 + \alpha^2} \tag{25}$$

describes the actual line contours, where α is the pressure broadened half-width of the line whose center lies at ν_i. When pressure broadening is the dominant effect, the lines of H_2O are well described by

the Lorentz line shape. For CO_2 the wings of the lines seem to be described better by the Benedict modification of the Lorentz line shape.[5] This is described further in section 3.3. Consider a frequency interval D which lies between the frequencies ν_o and $\nu_o + D$. The following symbols are used in the derivation of the transmission over a finite frequency interval:

$$\begin{aligned} \xi_k &= \frac{S_k u}{\pi \alpha} \\ \rho &= 2\alpha / D \\ y &= \nu_k - \nu_o - D/2 \\ z &= \nu - \nu_o - D/2 \\ \eta &= 2y/D \\ \epsilon &= 2z/D \end{aligned} \tag{26}$$

Thus for the Lorentz line shape the transmission, T_{n_k}, is given by

$$T_{n_k} = \frac{1}{D} \int_{D_k} \exp - [\, S_k u b(\nu, \nu_k)] \, d\nu_k = \frac{1}{2} \int_{-1}^{1} \exp - \left[\frac{\rho^2 \xi_k}{(\epsilon - \eta)^2 + \rho^2} \right] d\eta \tag{27}$$

Define ξ_{k_o} by the expression

$$\xi_k = \xi_{k_o} u/p = \frac{S_k p_o u}{\pi \alpha_o p} \tag{28}$$

where α_o is the half-width at the pressure p_o. At a particular

[5] W. S. Benedict, private communication.

temperature, the coefficients ξ_{k_o} need be calculated only once for each frequency interval D_i and intensity group. The coefficients ξ_{k_o} together with the number of spectral lines for each of the top five intensity groups represent sufficient information about the spectrum for the calculation of the absorption in a frequency interval. When ξ_{k_o} is known, then the coefficients for any pressure and path length combination may be readily calculated from Eq. (28). Indeed, this is one of the most important simplifications of the present model.

Because $\rho = 2\alpha/D$ is usually very small, Eq. (23) can be divided easily into two distinct parts. There is the direct contribution from the lines whose centers are within the given interval in addition to the wing contribution from the lines in all other intervals.

So long as ν is not chosen too close to the edge of an interval, which is generally taken to be large compared to the half-width of any line, then $(\epsilon - \eta)^2 >> \rho^2$ for all the factors in Eq. (23) which correspond to lines whose centers are in other frequency intervals. Hence for the wing contributions ρ^2 may be neglected compared to $(\epsilon - \eta)^2$. Thus the integral in Eq. (27) can be written as

$$\frac{1}{2} \int_{-1}^{1} \exp - \left[\frac{\rho^2 \xi_k}{(\epsilon-\eta)^2} \right] d\eta$$

$$= \frac{1}{2} \left[(\epsilon+1)e^{-A/(\epsilon+1)^2} - (\epsilon-1)e^{-A/(\epsilon-1)^2} - \sqrt{\pi A} \left[\operatorname{erf} \frac{\sqrt{A}}{\epsilon-1} - \operatorname{erf} \frac{\sqrt{A}}{\epsilon+1} \right] \right] \tag{29}$$

where $A = \rho^2 \xi_k$ and $\epsilon > 1$. Thus Eq. (29) represents a readily evaluated quantity.

The direct contribution, on the other hand, is more difficult to evaluate. Let

$$\Omega(\xi_k, \delta) = \frac{1}{a} \int_o^a \exp - \left[\frac{\rho^2 \xi_k}{\eta^2+\rho^2} \right] d\eta = \int_o^1 \exp - \left[\frac{\delta^2 \xi_k}{y^2+\delta^2} \right] dy \tag{30}$$

where $\delta = \rho/a$. Therefore returning to the direct contribution one finds

$$\frac{1}{2}\int_{-1}^{1} \exp - \left[\frac{\rho^2 \xi_k}{(\epsilon-\eta)^2+\rho^2}\right] d\eta$$

$$= \frac{1}{2}\left\{\int_{o}^{1-\epsilon} \exp - \left[\frac{\rho^2 \xi_k}{z^2+\rho^2}\right] dz + \int_{o}^{1+\epsilon} \exp - \left[\frac{\rho^2 \xi_k}{z^2+\rho^2}\right] dz\right\} \tag{31}$$

$$= \frac{1}{2}\left[(1-\epsilon)\,\Omega(\xi_k, \delta) + (1+\epsilon)\,\Omega(\xi_k, \delta')\right]$$

$$\delta = \rho/(1-\epsilon)\ , \quad \delta' = \rho/(1+\epsilon)$$

In section 3.4 it is shown that for the general case

$$\Omega(\xi, \delta) = e^{-\xi\delta^2/(1+\delta^2)} - \frac{\delta\xi}{2} e^{-\xi/2}\left[I_o(\xi/2) + I_1(\xi/2)\right](\pi - \psi)$$

$$+ 2\delta e^{-\xi/2} \sum_{n=1}^{\infty} I_n(\xi/2) \sin n\psi \tag{32}$$

$$+ \delta\xi\, e^{-\xi/2} \sum_{n=1}^{\infty}\left[I_n(\xi/2) + I_{n+1}(\xi/2)\right]\frac{\sin n\psi}{n}$$

where $\psi = 2\tan^{-1}\delta$, $\delta = \rho/a$ and the I_n's are the Bessel functions of imaginary argument. Although the sums in Eq. (32) are rapidly convergent, in the two cases when $\xi >> 1$ and $\xi < 1$ useful alternative forms may be found, whose derivation is also found in section 3.4.

Specifically for $\xi < 1$ one has

$$\Omega(\xi, \delta) = 1 - \delta \sum_{n=0}^{\infty} (-1)^n \frac{\xi^{n+1}}{(n+1)!} \mathcal{I}_n \tag{33}$$

where

$$\mathcal{I}_n = \frac{\delta^{2n-1}}{2n(1+\delta^2)^n} + \frac{2n-1}{2n} \mathcal{I}_{n-1}$$

$$\mathcal{I}_o = \tan^{-1}(1/\delta) \tag{34}$$

The series in Eq. (34) is absolutely convergent for all ξ but is more useful when ξ is small.

When ξ is large, on the other hand, an asymptotic representation is

$$\Omega(\xi, \delta) = e^{-\xi\delta^2/(1+\delta^2)} - \frac{\pi\delta\xi}{2} e^{-\xi/2} \left[I_o(\xi/2) + I_1(\xi/2) \right]$$

$$+ 2\delta\xi \sum_{m=0}^{p-1} \frac{(-\frac{1}{2})_m \mathcal{I}_m}{m!} + 2\delta\xi R_p \tag{35}$$

where

$$\mathcal{I}_m = -\frac{\epsilon^{2m-1}}{2\xi} e^{-\delta^2\xi/(1+\delta^2)} + \frac{2m-1}{2\xi} \mathcal{I}_{m-1}$$

$$\mathcal{I}_o = \frac{1}{2}\sqrt{\frac{\pi}{\xi}} \operatorname{erf}(\epsilon\sqrt{\xi}) \tag{36}$$

$$\epsilon = \delta / \sqrt{1+\delta^2}$$

with the remainder term, R_p, given by

$$R_p = \frac{(-\frac{1}{2})_p}{(p-1)!} \int_o^{\epsilon} y^{2p} e^{-\xi y^2} dy \int_o^1 \frac{(1-t)^{p-1}}{(1-y^2 t)^{p-\frac{1}{2}}} dt \qquad (37)$$

and the Barnes' coefficient $(\alpha)_n$ defined by

$$(\alpha)_n = \alpha(\alpha+1)\ldots(\alpha+n-1), (\alpha)_o = 1 \qquad (38)$$

On the basis of Eqs. (29) and (31) the effective transmission at a particular frequency may now be written as

$$T(\nu) = T_{n_k}(\nu) \prod_{i \neq k} T_{n_i}(\nu) \qquad (39)$$

where the subscript k refers to the particular interval in which lies and $T_k(\nu)$ is obtained from Eqs. (21), (27), (31), and (32) while $T_i(\nu)$, for $i \neq k$, is readily calculated from Eqs. (21), (27) and (29).

The water vapor and carbon dioxide (SSD-TDR-62-127 - Volume III) transmissions were all calculated on the basis of this formalism. The absorption from a single spectral line which represents an intensity group in a finite frequency interval was calculated from these equations. The other lines in a small frequency interval are assumed to be distributed at random so that the transmission of the various lines can be multiplied together according to Eq. (21). The transmissions calculated from the wing absorption of lines outside the interval are multiplied according to Eq. (39). Finally the results are calculated for two different frequency meshes shifted an amount ½D with respect to each other and these results are averaged to obtain the average effective transmission for the interval.

3.3 BENEDICT MODIFICATION OF THE LORENTZ LINE SHAPE

As mentioned in section 3.2, Benedict[5] has proposed a modification of the Lorentz line shape for CO_2 on the basis of his experimental

examination of the absorption from some particular lines. He has found that the line shape in the wings drops off much faster than $|\nu - \nu_o|^{-2}$ as required by the Lorentz line shape. On the basis of these findings he has suggested the following semi-empirical line shape

$$b(\nu, \nu_i) = \frac{\alpha/\pi}{(\nu - \nu_i)^2 + \alpha^2}, \quad |\nu - \nu_i| < d \tag{40}$$

$$= \frac{A\,\alpha/\pi \exp -a|\nu - \nu_i|^b}{(\nu - \nu_i)^2 + \alpha^2}, \quad |\nu - \nu_i| \geq d$$

where $a = 0.0675$, $b = 0.7$, $d = 5.0\ cm^{-1}$ and A is a constant which makes the two forms continuous at $|\nu - \nu_i| = d = 5.0\ cm^{-1}$.

The effective transmission is now calculated in a manner similar to that described in section 3.2 with one important change. Since the frequency interval chosen for these calculations is $5\ cm^{-1}$, the Lorentz line shape is still valid for lines whose centers are within the interval. This contribution can still be calculated as before from Eqs. (21), (27), (31), and (32). On the other hand, the wing contributions must be treated differently. Introducing the symbols defined in Eq. (26), the contributions from the wings will involve terms

$$T_{W_p}(\nu) = \frac{1}{D} \int_{D_k} \exp - \left[\frac{AS_k u \alpha \exp -a|\nu - \nu_k|^b}{\pi\{(\nu - \nu_k)^2 + \alpha^2\}} \right] d\nu_k$$

$$\approx \frac{1}{2} \int_{-1}^{1} \exp - \left[\frac{A\xi_k \rho^2 \exp -\{a(D/2)^b |\epsilon - \eta|^b\}}{(\epsilon - \eta)^2} \right] d\eta \tag{41}$$

where ρ^2 has again been neglected compared with $(\epsilon - \eta)^2$ (see section 3.2). Equation (41) cannot be reduced to an analytic form as was done for the transmission from the wings of a line with the

Lorentz line shape, Eq. (29). Since the absorption drops off even more rapidly with frequency in the Benedict modification than with the Lorentz line shape, the wing contributions may be calculated to a high degree of accuracy by assuming that the lines are all located at an average position rather than a random one. The average position chosen was the center of the interval, i.e. $\eta = 0$. In this event Eq. (41) becomes

$$T_{W_k}(\nu) = \exp -\left\{ \frac{A \xi_k \rho^2 \exp - \left[a(D/2)^b |\epsilon|^b \right]}{\epsilon^2} \right\} \tag{42}$$

The effective transmission for the Benedict modification of the Lorentz line shape at a particular frequency ν is now written as

$$T(\nu) = T_k(\nu) \prod_{i \neq k} T_i(\nu) \tag{43}$$

where the subscript k refers to the interval in which ν lies, $T_k(\nu)$ is calculated from Eq. (31) and the $T_i(\nu)$'s are calculated on the basis of Eq. (42).

The CO_2 transmissions were all calculated on this basis. Nevertheless, for comparison purposes, they were recalculated using the Lorentz line shape at 300°K and one atmosphere pressure. Appendix D of SSD-TDR-62-127 - Volume III gives the results of this calculation. It is interesting to note that there is a very small difference between the two calculations even for large path lengths.

3.4 DERIVATION OF THE TRANSMISSION EQUATIONS FOR THE DIRECT CONTRIBUTIONS

Consider now the evaluation of the integral occurring in Eq. (30), viz.

$$\Omega(\xi, \delta) = \int_0^1 \exp - \left[\frac{\delta^2 \xi}{y^2 + \delta^2} \right] dy \tag{44}$$

Letting $y = \delta\sqrt{1-z^2}/z$, Eq. (44) becomes

$$\Omega(\xi, \delta) = \delta \int_{\delta/\sqrt{1+\delta^2}}^{1} \frac{e^{-\xi z^2}}{z^2\sqrt{1-z^2}}\, dz \tag{45}$$

Integrating by parts once

$$\Omega(\xi, \delta) = e^{-\xi \delta^2/(1+\delta^2)} - 2\delta\xi \int_{\delta/\sqrt{1+\delta^2}}^{1} \sqrt{1-z^2}\, e^{-\xi z^2}\, dz \tag{46}$$

Consider now

$$G_1 = \int_{\delta/\sqrt{1+\delta^2}}^{1} \sqrt{1-z^2}\, e^{-\xi z^2}\, dz$$

$$= \int_{0}^{1} \sqrt{1-z^2}\, e^{-\xi z^2}\, dz - \int_{0}^{\delta\sqrt{1+\delta^2}} \sqrt{1-z^2}\, e^{-\xi z^2}\, dz \tag{47}$$

$$= G_2 - G_3$$

Letting $z = \sin\theta$, the first integral becomes

$$G_2 = \int_{0}^{\pi/2} \cos^2\theta\, e^{-\xi \sin^2\theta}\, d\theta$$

$$= \frac{e^{-\xi/2}}{4} \int_{0}^{\pi} (1+\cos\phi)\, e^{-i\beta\cos\phi}\, d\phi \tag{48}$$

$$= \frac{\pi e^{-\xi/2}}{4} \left[J_0(\beta) - iJ_1(\beta) \right]$$

where the substitutions $\phi = 2\theta$ and $\beta = \frac{i\xi}{2}$ have been made to obtain the final result involving the usual Bessel functions.

Re-expressing the result in terms of Bessel functions of imaginary argument

$$G_2 = \frac{\pi e^{-\xi/2}}{4} \left[I_o(\xi/2) + I_1(\xi/2) \right] \tag{49}$$

Letting $\epsilon = \sin^{-1} \delta / \sqrt{1+\delta^2} = \tan^{-1} \delta$, the second integral in Eq. (47) becomes

$$G_3 = \int_o^{\epsilon} \cos^2 \theta \, e^{-\xi \sin^2 \theta} \, d\theta \tag{50}$$

where again the substitution $z = \sin \theta$ has been made. Once more let $\phi = 2\theta$ to obtain

$$G_3 = \frac{1}{4} e^{-\xi/2} \int_o^{2\epsilon} (\cos \phi + 1) \, e^{\frac{\xi \cos \phi}{2}} \, d\phi \tag{51}$$

Letting $G_4 = \int_o^{2\epsilon} e^{\frac{\xi \cos \phi}{2}} \, d\phi$ one has

$$G_3 = \frac{1}{4} e^{-\xi/2} \left[G_4 + 2 \frac{\partial G_4}{\partial \xi} \right] \tag{52}$$

and hence it remains only to evaluate G_4. Substituting $z = i\xi/2$, one has

$$G_4 = \int_o^{2\epsilon} e^{-iz \cos \phi} \, d\phi$$

$$= \int_o^{2\epsilon} \cos(z \cos \phi) d\phi - i \int_o^{2\epsilon} \sin(z \cos \phi) d\phi \tag{53}$$

However $\cos(z \cos \phi)$ and $\sin(z \cos \phi)$ may be represented by their absolutely convergent Jacobi[6] expansions, viz.

$$\cos(z \cos \phi) = J_o(z) + 2 \sum_{n=1}^{\infty} (-1)^n J_{2n}(z) \cos 2n \phi$$

$$\sin(z \cos \phi) = 2 \sum_{n=o}^{\infty} (-1)^n J_{2n+1}(z) \cos(2n+1) \phi \tag{54}$$

Hence

$$G_4 = J_o(z) \psi + 2 \sum_{n=1}^{\infty} (-1)^n J_{2n}(z) \frac{\sin 2n\psi}{2n}$$

$$- 2i \sum_{n=o}^{\infty} (-1)^n J_{2n+1}(z) \frac{\sin(2n+1)\psi}{2n+1} \tag{55}$$

where $\psi = 2\epsilon = 2 \tan^{-1} \delta$. Re-expressing in terms of ξ one has

$$G_4 = I_o(\xi/2) \psi + 2 \sum_{n=1}^{\infty} I_{2n}(\xi/2) \frac{\sin 2n\psi}{2n}$$

$$+ 2 \sum_{n=o}^{\infty} I_{2n+1}(\xi/2) \frac{\sin(2n+1)\psi}{2n+1} \tag{56}$$

$$= I_o(\xi/2) \psi + 2 \sum_{n=1}^{\infty} I_n(\xi/2) \frac{\sin n\psi}{n}$$

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[6] C.G.J. Jacobi, Journal fur Math. 15, 12 (1836).

Therefore

$$G_3 = \frac{1}{4} e^{-\xi/2} \left\{ I_o(\xi/2)\ \psi + I_1(\xi/2)\,\psi \right.$$
$$+ \frac{4}{\xi} \sum_{n=1}^{\infty} I_n(\xi/2) \sin n\psi \qquad (57)$$
$$\left. + 2 \sum_{n=1}^{\infty} \left[I_n(\xi/2) + I_{n+1}(\xi/2) \right] \frac{\sin n\psi}{n} \right\}$$

If Eqs. (49) and (57) are substituted into Eq. (46) and (47), the previously quoted result, Eq. (32), is obtained.

Although Eq. (32) is absolutely convergent, when $\xi < 1$ and $\xi >> 1$ two simplified forms may be obtained (Eqs. 33 and 35). The former is obtained from Eq. (44) directly by expanding the kernel of the integral and integrating term by term. This procedure immediately produces Eq. (33) which is itself absolutely convergent.

When $\xi >> 1$, an asymptotic form may be obtained by starting from Eqs. (46) and (47) and expanding $\sqrt{1 - z^2}$ under the integral sign via the binomial expansion theorem. Thus

$$\Omega(\xi, \delta) = e^{-\xi\delta^2/(1+\delta^2)} - \frac{\delta\xi}{2} e^{-\xi/2} \left[I_o(\xi/2) + I_1(\xi/2) \right]$$
$$+ 2\,\delta\xi \int_o^{\delta/\sqrt{1+\delta^2}} \sqrt{1-z^2}\ e^{-\xi z^2}\, dz \qquad (58)$$

But

$$\int_o^{\delta/\sqrt{1+\delta^2}} \sqrt{1-z^2}\ e^{-\xi z^2}\, dz = \sum_{m=o}^{p-1} \frac{(-\frac{1}{2})_m\, \Gamma_m}{m!} + R_p \qquad (59)$$

where ψ_m is given by Eq. (36) and R_p is the remainder term given by Eq. (37). The summation represents the first p integrals obtained by expanding $\sqrt{1-z^2}$ to order z^{2p-2}. The remainder term was obtained on the basis of a formalism apparently due to Graf and Gubler.[7]

The second term in Eq. (58) is the familiar Landenberg and Reiche result[4] which is valid when the exponential and integral term in this equation can be neglected. The expression for the absorption over a finite interval when the strong line approximation is valid[3] is obtained from Eq. (58) by inserting an asymptotic expression for the Bessel functions and evaluating the leading term of the integral from Eqs. (59) and (36). The absorption over a finite interval when the weak line approximation is valid[3] is obtained from Eqs. (33) and (34).

[7] J. H. Graf and E. Gubler, Einleitung in die Theorie der Besselshen Funktionen, 1, 86 (Bern, 1898).

SECTION 4

SPECIFIC DETAILS OF THE CALCULATION

Prior to calculating the transmissions based on the previously described model, a coefficient table was generated for the two frequency meshes at each of the temperatures considered. Each of these coefficient tables is composed of ξ_{σ_k} and n_k as a function of frequency interval, where n_k is the number of lines in the intensity decade and ξ_{σ_k} is defined by Eq. (28). At each frequency interval the coefficients were calculated for up to five intensity decade groups in the following manner:

(1) The vibrational intensity factors $C_v^{v'}$ of all contributing vibrational transitions were determined by a normalization procedure to be described subsequently.

(2) On the basis of (1), the integrated intensities of all contributing vibration-rotation lines were calculated systematically.

(3) As the intensity and frequency of each line was generated, the line was assigned to the frequency interval spanning it.

(4) Once assigned to an interval, a given line was then grouped according to the intensity decade into which it fell. Within a particular decade a running count was made of the number of lines placed therein. Also retained was a net sum of the intensities of all those lines placed in each decade. If a line was generated with an intensity more than eight orders of magnitude below the strongest line already placed in the given frequency interval, it was ignored. On the other hand, if stronger lines were subsequently generated.

the data for weaker lines was dropped when they occurred in intensity groups which were more than four groups below the most intense. In short either the top five strongest groups were retained, or only enough groups to span eight orders of magnitude. The latter choice resulted in less than five groups when the lines in that portion of the spectrum were very weak.

(5) The coefficients ξ_{ok} were then calculated for each frequency interval by dividing the intensity sums by the number of contributing lines and thence dividing the resulting average strengths by $\pi\alpha_o$. For H_2O the value $\alpha_o = 0.10$ cm^{-1} was used.

Once the coefficients ξ_{ok} and n_k were generated, the effective transmissions were calculated at frequencies corresponding to the centers of the chosen frequency intervals of width 5 cm^{-1}. ($\epsilon = 0$ in the notation of section 3.2.) Sequentially the coefficients ξ_k for various combinations of the pressure* and amounts of absorbing gas were calculated ($\xi_k = \xi_{ok}$ u/p). From each of these sets the effective transmissions were calculated as follows:

(1) All the transmissions were set equal to unity.

(2) Starting with the lowest frequency interval, the direct contributions to the transmissions were calculated at the center of the interval for each intensity group contained therein using the formulation described in section 3.2 (specifically Eq. (32) and, if applicable its limiting forms, Eqs. (33) and (35)). These were then multiplied together and thence by the factor 1 initially set. Hence the resulting transmission represented the direct contributions from the five intensity groups which represent all lines having an intensity within 10^{-6} of the strongest line in the frequency interval.

(3) Subsequent to the calculation of the direct contributions, the coefficients were used to calculate the wing contributions to the transmissions at the center of the interval of interest. The wing contributions from lines at both lower and higher frequencies

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*It should be mentioned that the term pressure is used here in the sense of Howard, Burch and Williams, viz for water vapor the effective broadening pressure is equal to the sum of the total pressure plus 5.3 times the partial water vapor pressure.

were considered. The calculation was made from Eq. (29) for the Lorentz line shape and, in the case of CO_2, from Eq. (42) for the Benedict modification. Thus as any contribution to the transmission at a given frequency was generated (be their origin direct or wing), its value was multiplied into those previously calculated at that frequency.

(4) The wing calculations were carried out at frequencies farther and farther from the chosen interval until their contributions to the transmissions exceeded 0.999.

Insofar as the normalization procedure was concerned, the detail yielded by the quasi-random model was not needed. This is because the normalization was based on a comparison of the calculated integrated absorptions with the measured integrated absorptions of Howard, Burch, and Williams for large frequency intervals (> 400 cm^{-1}). The correct normalization was obtained via a two step process. A large mesh size (20 cm^{-1}) was chosen to generate a separate coefficient table (similar to those indicated by Appendix A) for each of the seven transition groups in H_2O and the twenty-two in CO_2 using the relative intensities as an initial starting point. Thence integrated transmissions were calculated (using the simplifications just mentioned) at various effective pressures and paths corresponding to experimental results of Howard, Burch and Williams (T was always chosen at 300°K). These were compared with the measured integrated transmissions and the squares of the deviations of ten to twenty such sets were summed. The coefficients ξ_{o_k} were then all multiplied by an arbitrary factor and the sum of the squares of the deviations were again calculated. Other multiplicative factors were subsequently chosen and plotted as a function of the corresponding sums of the squares of the deviations. The absolute minimum was then calculated graphically and a first approximation to the normalization constants C_o^v (300°K) deduced therefrom for each group. Using these first approximations, the procedure was then repeated using a finer mesh (5 cm^{-1}). Again a least squares fit yielded the best coefficients, which are listed in Table 4. In the event that two groups overlapped a two-dimensional generalization of the above least squares method was used.

TABLE 4

WATER VAPOR NORMALIZATION CONSTANTS

Spectral Region	C (300°K)
6.3 μ	888
3.2 μ	16.5
2.7 μ	1950
1.87 μ	203
1.38 μ	47.5
1.1 μ	1.87
.94 μ	1.11

SECTION 5

USE OF APPENDICES AND INTERPOLATION PROCEDURES

5.1 USE OF APPENDICES

The five appendices following this section contain the results of the present calculation. Appendix A contains the coefficients ξ_o (defined in Eq. (28)) and n the number of lines in the intensity decade for the top five intensity groups of each frequency interval as a function of frequency. A particular frequency entry corresponds to the center of an interval extending 2.5 cm^{-1} in both directions from the center. Two sets of coefficients are included for each temperature and correspond to two meshes displaced 2.5 cm^{-1} from each other. For identification purposes the meshes with a center wave number beginning at 1000 cm^{-1} have been labeled "unshifted" while those starting at 1002.5 cm^{-1} have been labeled "shifted". As before the entries correspond to the frequencies at the center of two mesh points (e.g. the entries at 1997.5 cm^{-1} were calculated from the spectral lines lying between 1995.0 and 2000.0 cm^{-1}, etc.). Note that beyond 3400 cm^{-1} the coefficient tables should be used only with extreme caution unless the values are averaged over a wider frequency interval. Beyond 3400 cm^{-1} the entries were calculated exclusively on the basis of the symmetric rotator model (see section 2.2). These entries may be used to obtain transmissions which are subsequently averaged over wider frequency intervals. However, the entries in themselves cannot be too significant for intervals of 5 cm^{-1} since the positions of the lines on the symmetric rotator model may be in error by more than this amount. Nevertheless entries beyond 3400 cm^{-1} have been included for completeness since they formed the basis for the tabulated average transmission values (Appendices C, D, and E).

Appendix B lists, as a function of frequency and path thickness (u, in precipitable centimeters) for three temperatures at seven different pressures, the average transmissions for 5 cm^{-1} intervals calculated on the basis of the quasi-random model. Note that the entries terminate at 3400 cm^{-1}, since accurate frequencies for the stronger H_2O spectral lines were only available up to this frequency and furthermore that they are listed every 2.5 cm^{-1}.

Appendix C lists transmissions averaged over 20 cm^{-1} at intervals of 10 cm^{-1} for all the temperatures and pressures of Appendix B. However, the entries go out to 10000.0 cm^{-1}. The averaging has minimized the uncertainties in the frequencies of individual lines which is introduced by the symmetric rotator description. In effect the entries in Appendix C represent the average transmissions that a detector with an acceptance window of 20 cm^{-1} and unit response would record if centered on the tabulated frequencies.

Appendices D and E are identical to Appendix C with the exception of the size of interval averaged over. Appendix D lists entries averaged over 50 cm^{-1} while E lists entries averaged over 100 cm^{-1}. In these latter appendices entries occur every 25 cm^{-1} and 50 cm^{-1} respectively.

The experimental measurements of Burch et al[1] for the 2.7μ and 6.3μ bands of water vapor are compared with the theoretical calculations for two particular sets of values of path length and pressure in Figs. 5-1 and 5-2. The theoretical values plotted are averaged over 20 cm^{-1}.

5.2 INTERPOLATION PROCEDURES

The extensive transmission tables given in the appendices provide a suitable basis for interpolation in terms of pressure, temperature and path length. Interpolation in these parameters is readily achieved via analytic methods.

The simplest analytical procedure is that consisting of logarithmic interpolation between non-zero values of the absorption A. Express the absorption in the form

$$A = 1 - \tau = e^{-f(p,T,u)} \tag{60}$$

where f is usually a complicated function of pressure (p), temperature (T),

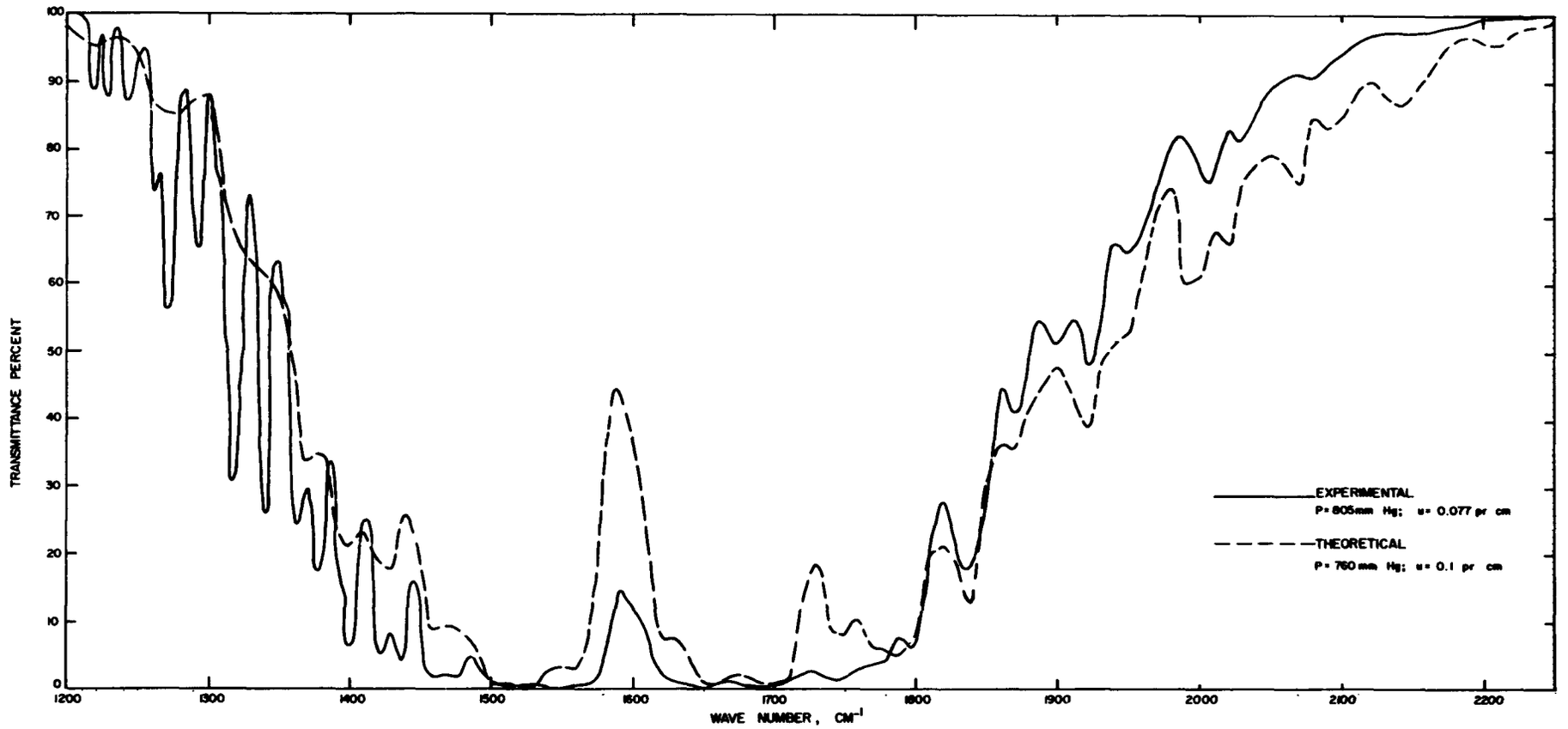


FIGURE 5-1. ABSORPTANCE OF 2.7μ H_2O BAND

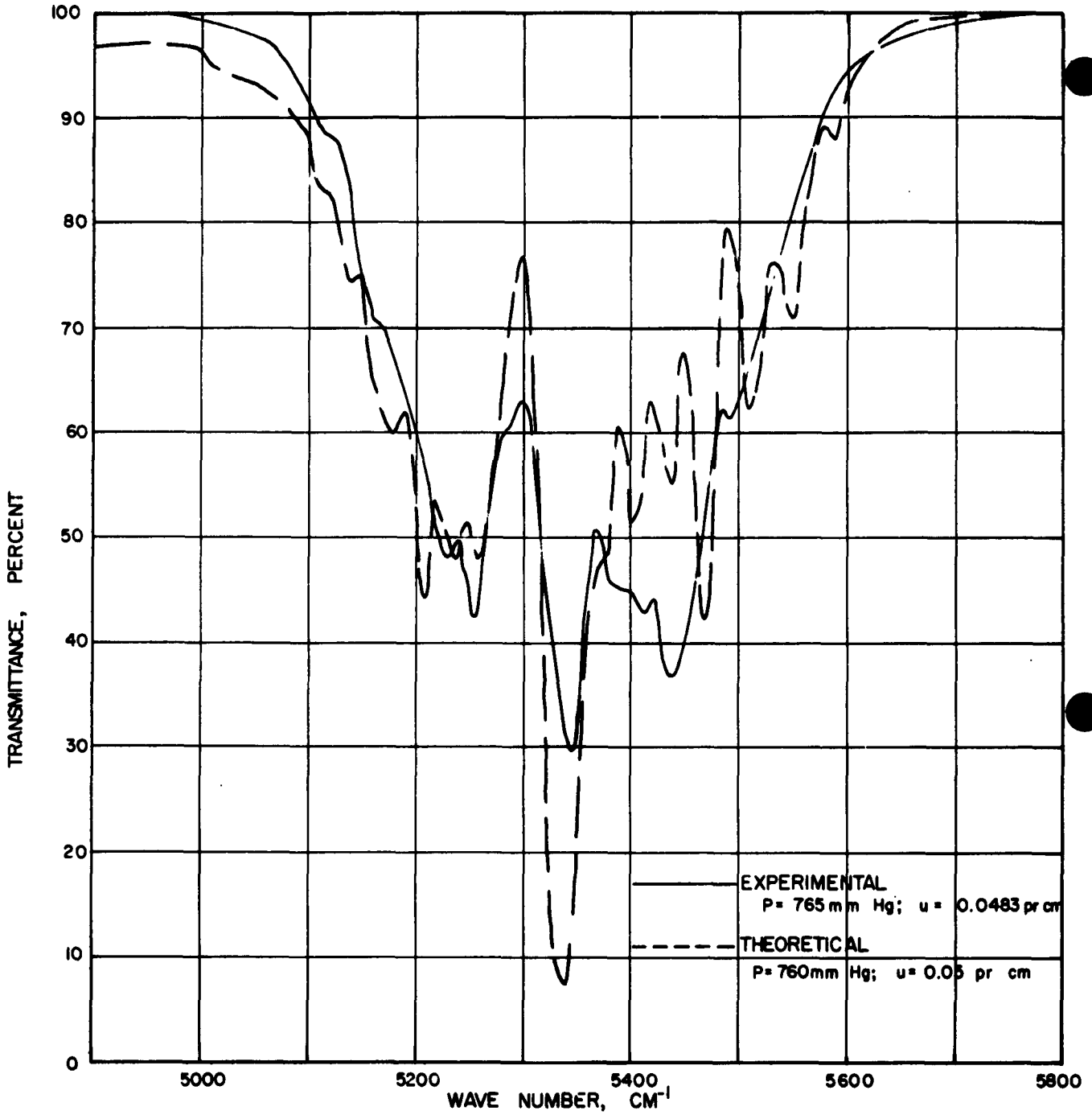


FIGURE 5-2. ABSORPTANCE OF 6.3μ BAND

and path length (u). At points where one or both of the tabular values of τ are identically equal to unity, linear interpolation on τ provides more than sufficient accuracy. Otherwise it is far more accurate to interpolate f(p,T,u). This is true because the main part of the functional dependence of the absorption on p, T, and u is usually represented by the exponential factor. As only three significant figures are given in the tables, a first order interpolation in general provides sufficient accuracy. It should be noted that the entries for varying pressure and path length are given in terms of values that are nearly equidistant when plotted on a logarithmic scale (e.g. 1.0, 0.5, 0.2, 0.1, 0.05, ...).

From Eq. (60) one has

$$f(p,T,u) = -\ln A \, . \tag{61}$$

When the absorptance at constant p is plotted against u on a log-log graph, the resulting curve has only a small curvature and displays long linear sections. Similar remarks apply to an absorptance curve at constant u plotted against p. For these reasons, the most accurate interpolation is obtained by taking equal logarithmic intervals for p and u so that

$$\Delta f = \frac{\partial f}{\partial x} \Delta x + \frac{\partial f}{\partial T} \Delta T + \frac{\partial f}{\partial y} \Delta y \tag{62}$$

where $x = \ln p$ and $y = \ln u$. Thus

$$f(p + \Delta p, T + \Delta T, u + \Delta u) = f(p,T,u) + \Delta f \tag{63}$$

and

$$\tau (p + \Delta p, T + \Delta T, u + \Delta u) = 1 - A(p + \Delta p, T + \Delta T, u + \Delta u) = 1 - \exp - (f + \Delta f) \tag{64}$$

The following examples illustrate the method described above.

a) Given: $p = 1$ atmosphere, $T = 300^{\circ}K$
at $u = 0.1$, $\tau = 0.583$, $A = 0.417$
at $u = 0.2$, $\tau = 0.439$, $A = 0.561$

Find: τ at $u = 0.17$ for $p = 1$ atm., $T = 300^{\circ}K$

Procedure: $A(0.1) = 0.417$; $f(0.1) = .8747$
$A(0.2) = 0.561$; $f(0.2) = .5780$
$\ln(0.1) = -2.3026$
$\ln(0.17) = -1.7720$
$\ln(0.2) = -1.6094$

Hence: $\Delta f = \frac{\partial f}{\partial(\ln u)} \quad \Delta(\ln u) = \frac{0.5780 - 0.8747}{-1.6094 + 2.3026} (-1.7720 + 2.3026)$

$= \frac{-0.2967}{0.6932} \quad 0.5306 = -0.2271$

Therefore: $f = f(0.1) + \Delta f = 0.8747 - 0.2271 = 0.6476$

$\tau(0.17) = 1 - e^{-0.6476} = 0.477$

b) Given: $p = 1$ atmosphere, $T = 300^{\circ}K$
at $u = 2.0$, $\tau = 0.648$, $A = 0.352$
at $u = 5.0$, $\tau = 0.425$, $A = 0.575$
$p = 0.5$ atmospheres, $T = 300^{\circ}K$
at $u = 2.0$, $\tau = 0.715$, $A = 0.285$
at $u = 5.0$, $\tau = 0.545$, $A = 0.455$

Find: $\tau(p,u)$ at $u = 3.2$, $p = 0.75$, $T = 300^{\circ}K$

Procedure: $A(1,2.0) = 0.352$; $f = 1.0441$
$A(1,5.0) = 0.575$; $f = 0.5534$
$A(0.5,2.0) = 0.285$; $f = 1.2553$
$A(0.5,5.0) = 0.455$; $f = 0.7875$
$\ln(2.0) = 0.6931$; $\ln(1.0) = 0.0000$
$\ln(3.2) = 1.1631$; $\ln(0.75) = -0.2877$
$\ln(5.0) = 1.6094$; $\ln(0.5) = -0.6931$

$$\underline{\text{Hence}}: \quad \Delta f = \frac{\partial f}{\partial(\ln u)} \Delta(\ln u) + \frac{\partial f}{\partial(\ln p)} \Delta(\ln p)$$

$$= \frac{0.5534 - 1.0441}{1.6094 - 0.6931} (1.1631 - 0.6931)$$

$$+ \frac{1.2553 - 1.0441}{-0.6931 + 0.0000} (-0.2877)$$

$$= -0.2517 + 0.0877 = -0.1640$$

$$\underline{\text{Therefore}}: \quad f(0.75,3.2) = f(1,2.0) + \Delta f = 1.0441 - 0.1640 = 0.8801$$

$$\tau(0.75,3.2) = 1 - e^{-0.8801} = 0.585$$

The data contained in the Appendices of this report is available on tape. Inquiries as to the availability of taped copies should be sent to Gilbert N. Plass, Aeronutronic Division of Ford Motor Company, Newport Beach, California.

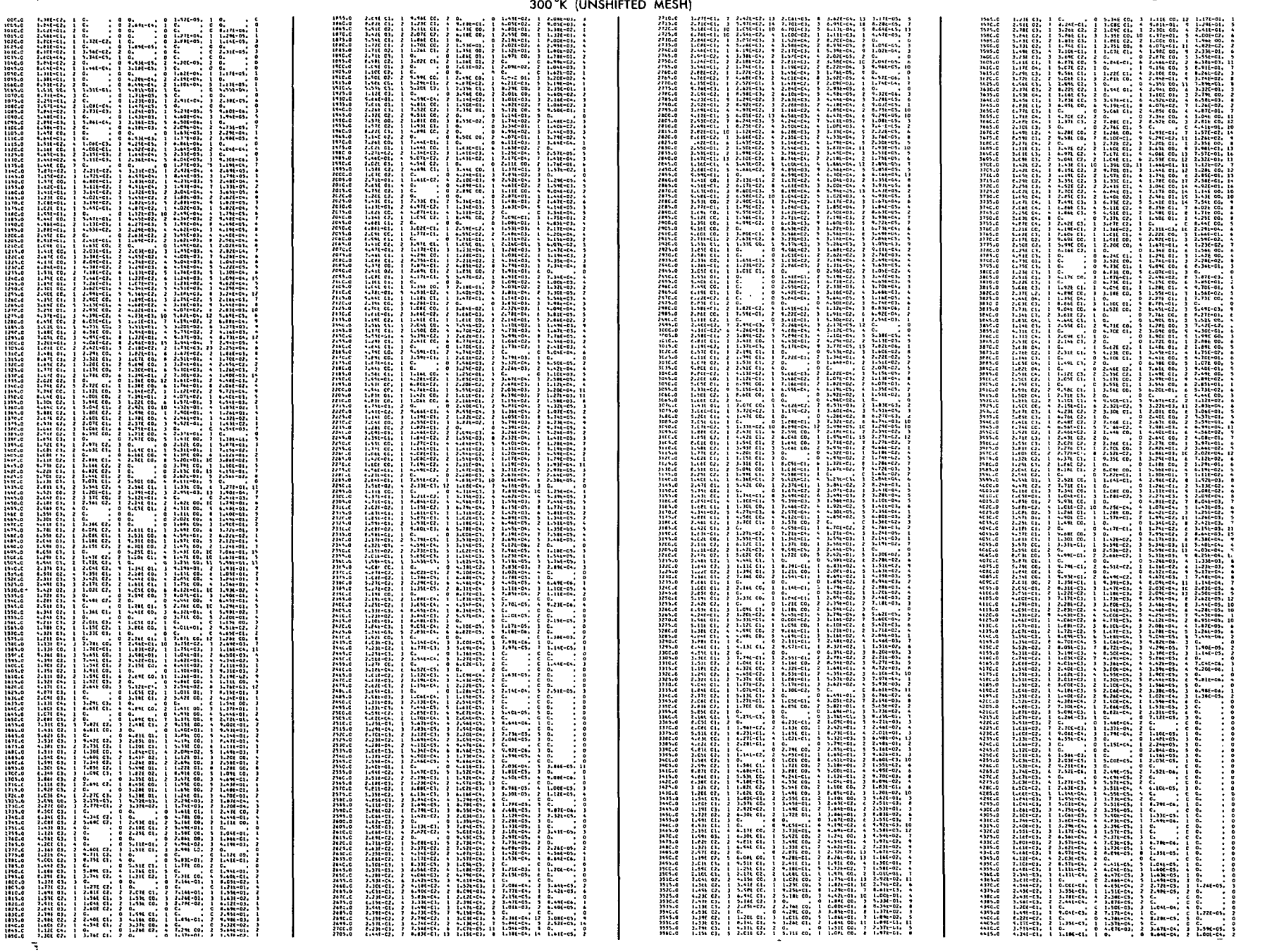
APPENDIX A

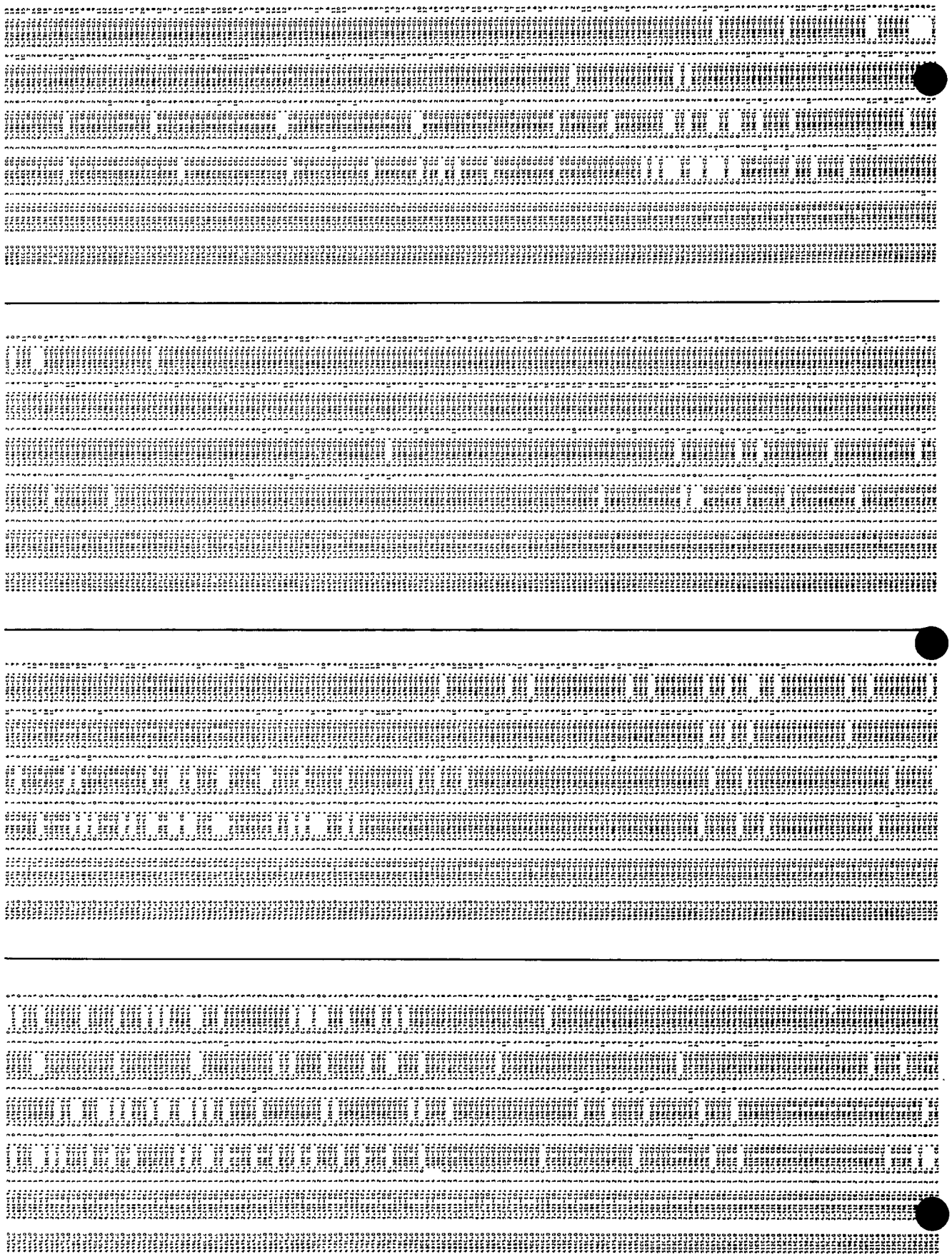
THE COEFFICIENTS ξ_o AND n

FOR THE TOP FIVE INTENSITY DECADES

COEFFICIENTS $\xi_{i,j}$ FOR WATER VAPOR

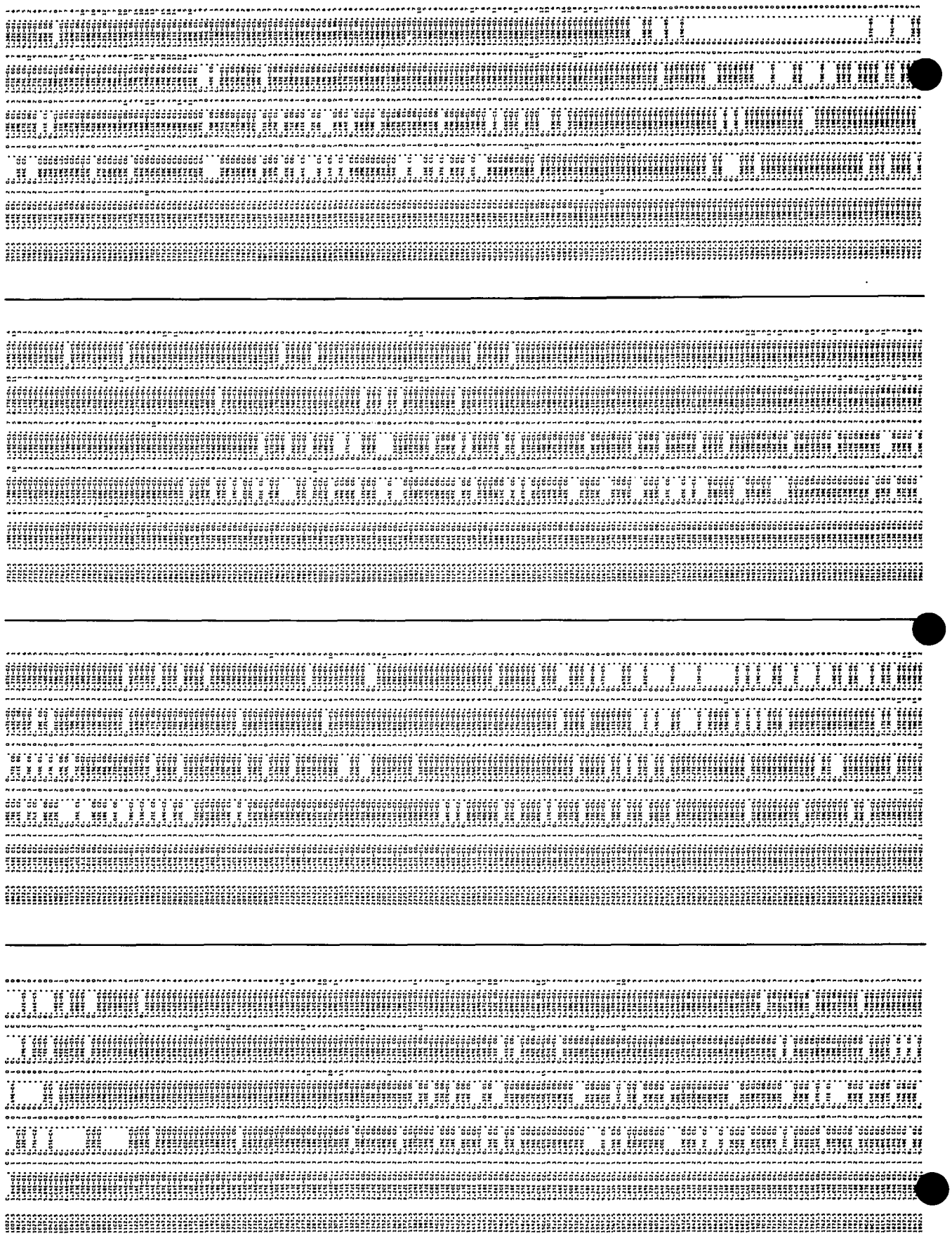
300°K (UNSHIFTED MESH)





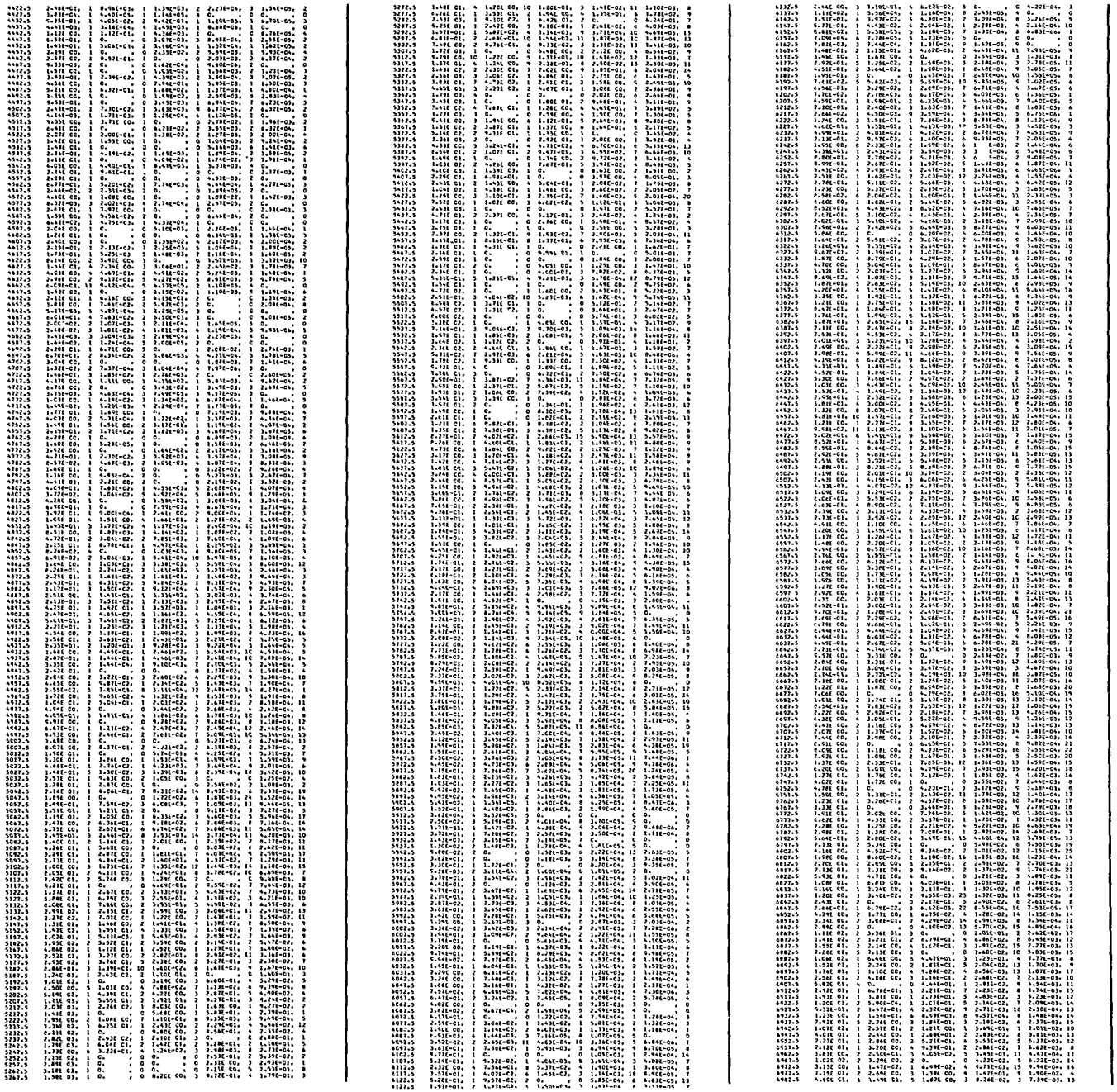
COEFFICIENTS ξ, AND n FOR WATER VAPOR
300 °K (UNSHIFTED MESH)

COEFFICIENTS [redacted]D n FOR WATER VAPOR
300°K (UNSHIFTED MESH)



COEFFICIENTS ϵ_o AND n FOR WATER VAPOR
300°K (SHIFTED MESH)

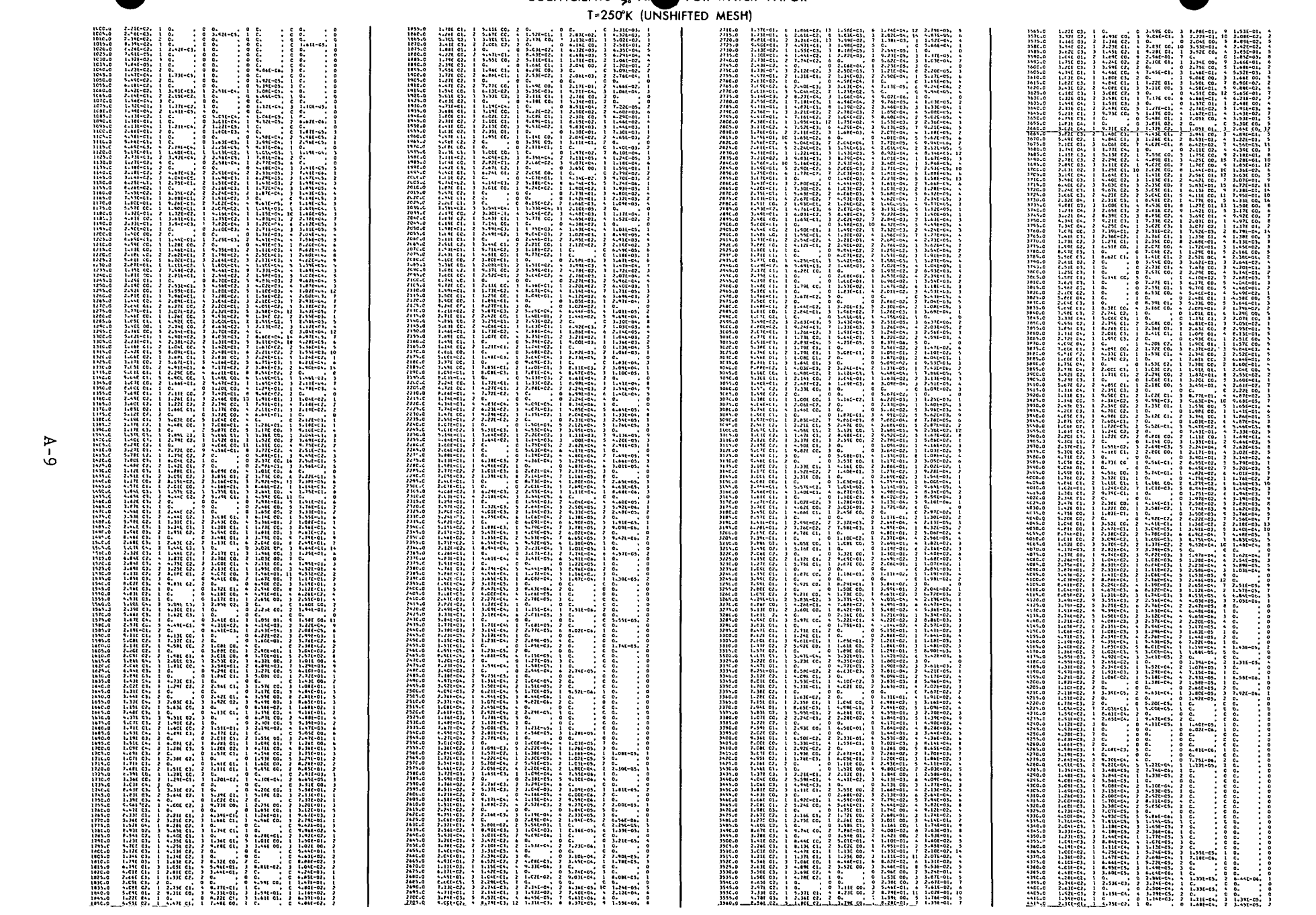
COEFFICIENTS ξ_n AND A_n FOR WATER VAPOR
300°K (SHIFTED MESH)



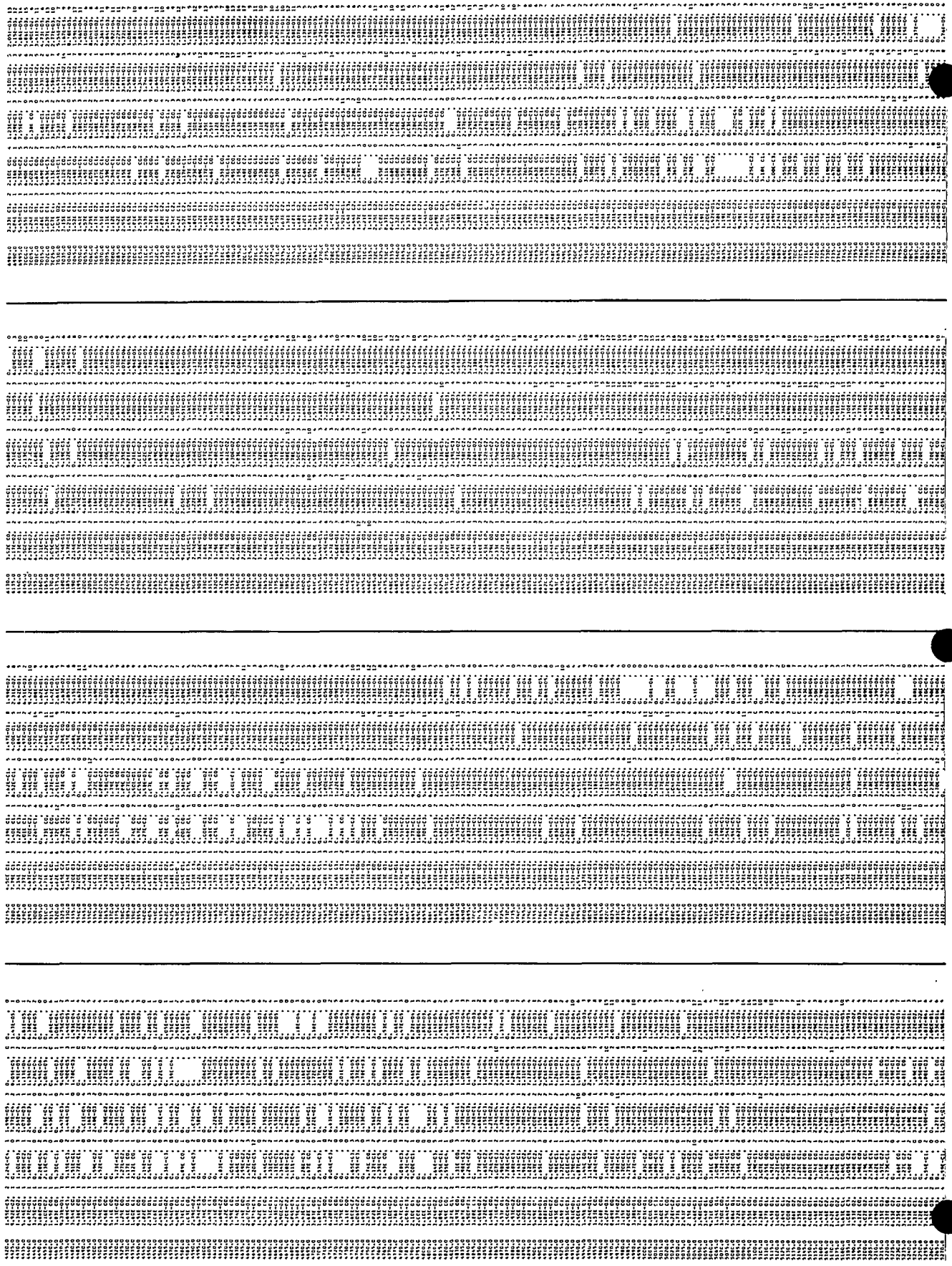
COEFFICIENTS ξ_i AND n FOR WATER VAPOR
300 °K (SHIFTED MESH)

COEFFICIENTS ξ_n A[redacted] FOR WATER VAPOR

T=250°K (UNSHIFTED MESH)



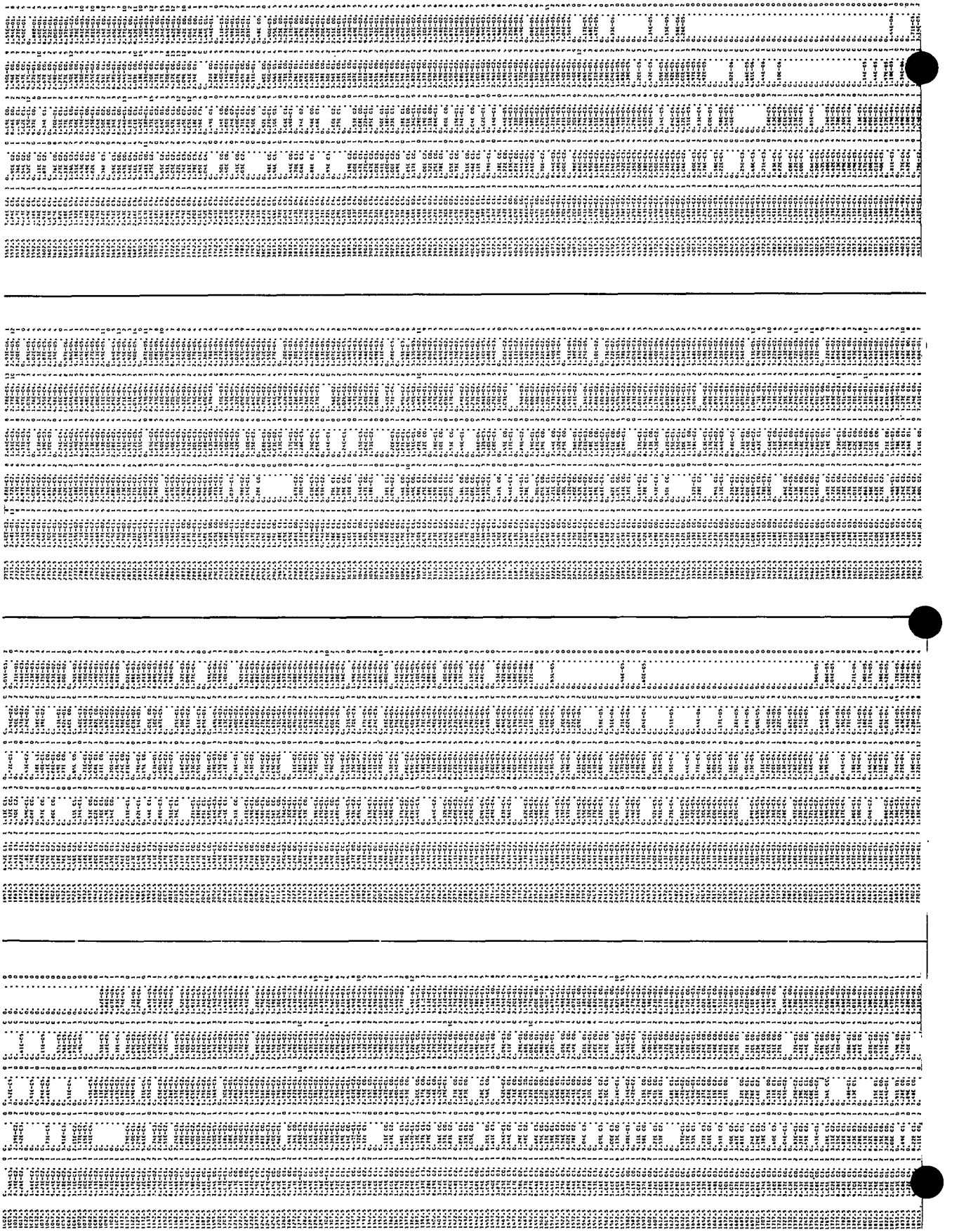
COEFFICIENTS ϵ_o AND n FOR WATER VAPOR
T = 250° K (UNSHIFTED MESH)

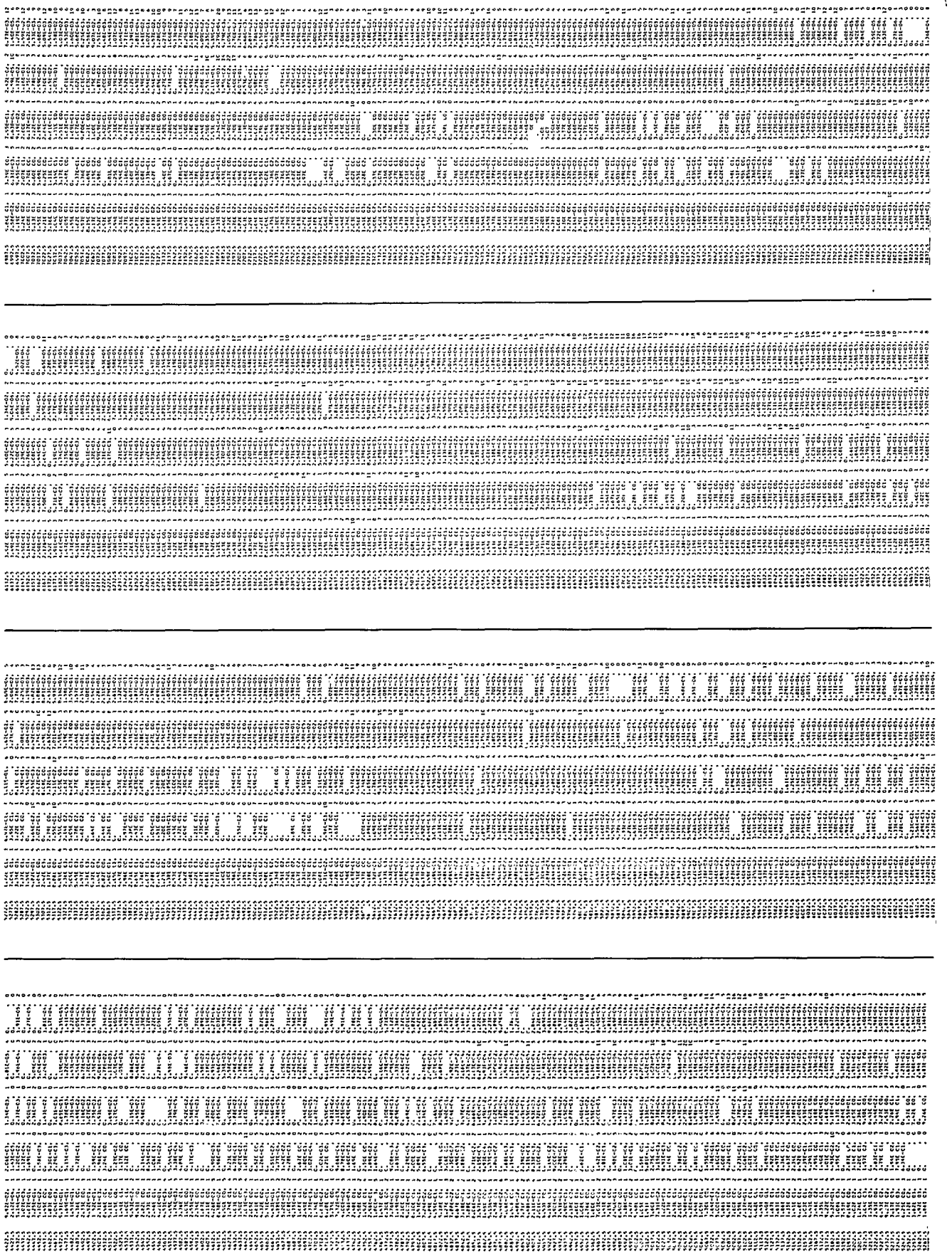


COEFFICIENTS ξ, AND FOR WATER VAPOR
T=250°K (UNSHIFTED MESH)

COEFFICIENTS ϵ, AND n FOR WATER VAPOR

T=250°K (SHIFTED MESH)

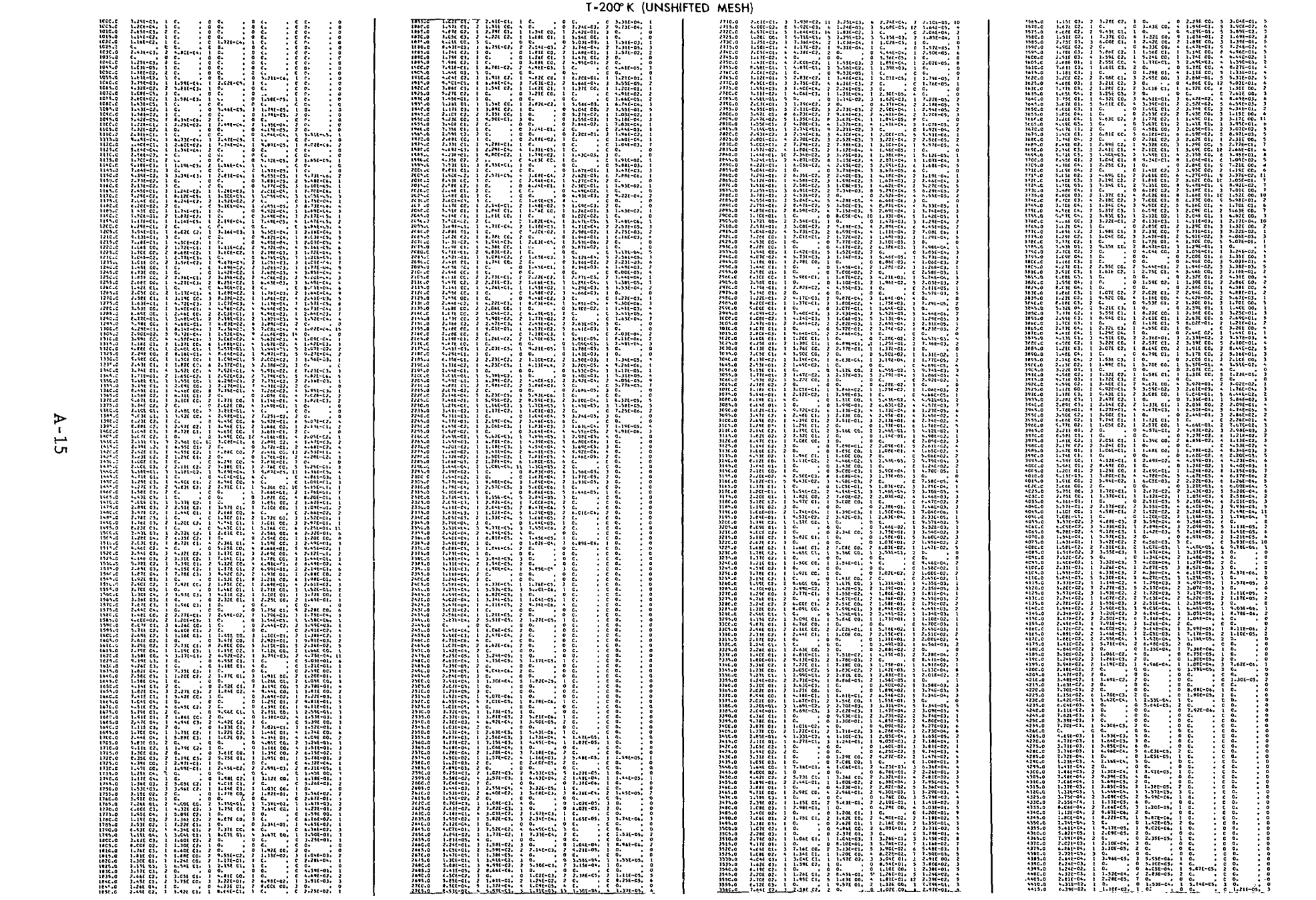



COEFFICIENTS ξ, A[illegible] FOR WATER VAPOR
T=250°K (SHIFTED MESH)

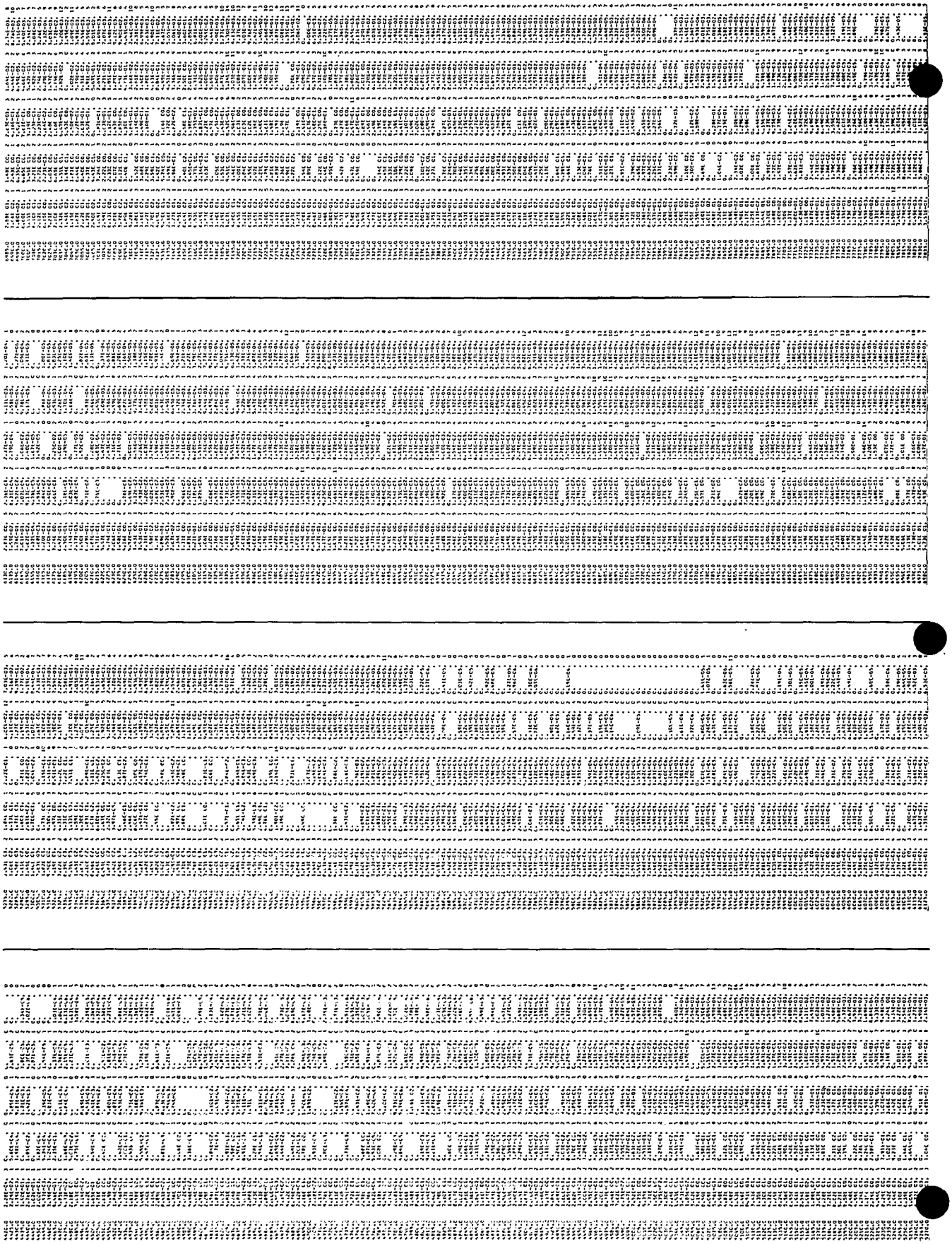
COEFFICIENTS ϕ_o AND n FOR WATER VAPOR
T = 250° K (SHIFTED MESH)

COEFFICIENTS ξ_o AND [illegible] FOR WATER VAPOR

T-200° K (UNSHIFTED MESH)

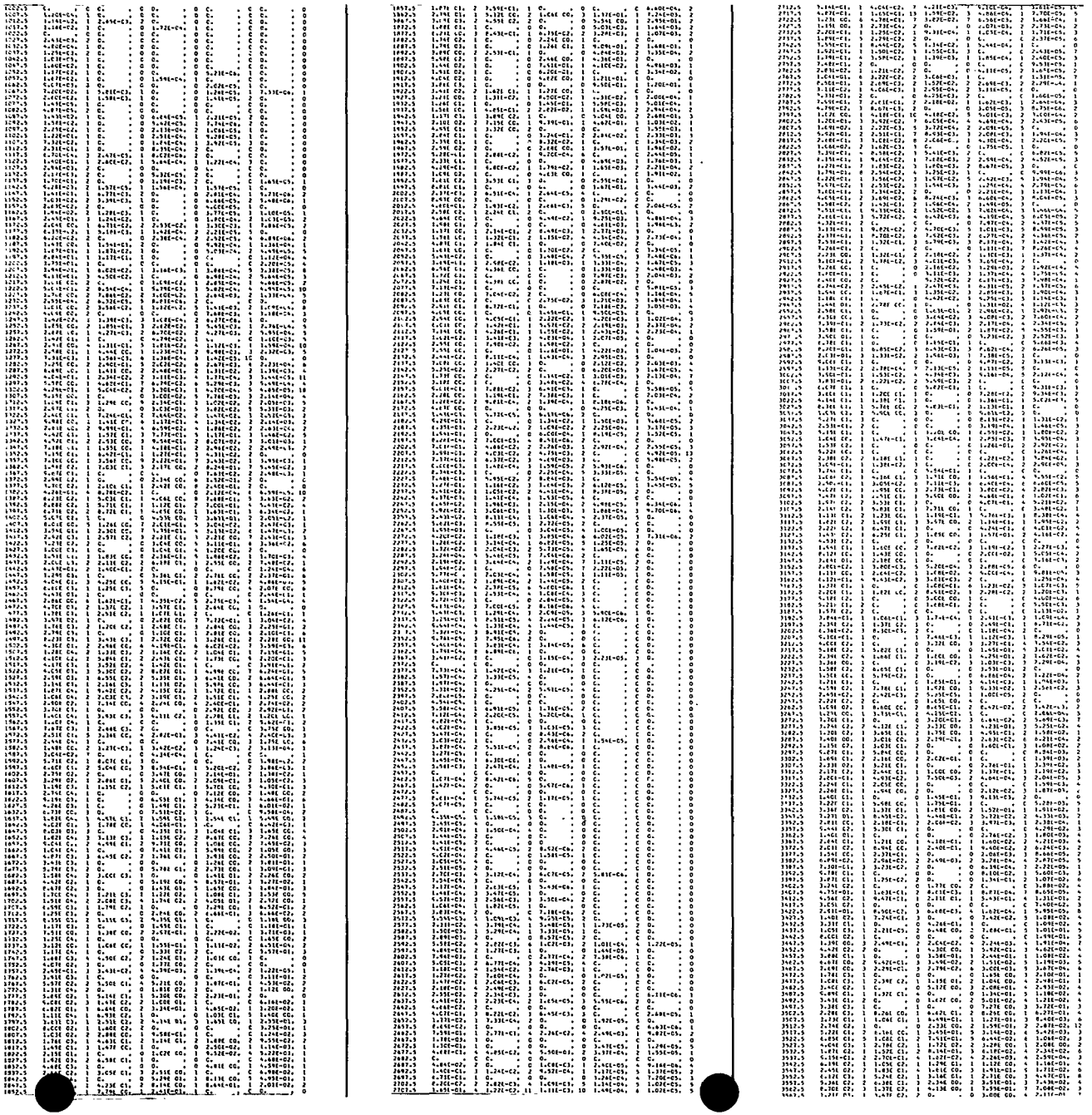


COEFFICIENTS ϵ_0 AND n FOR WATER VAPOR
T-200°K (UNSHIFTED MESH)

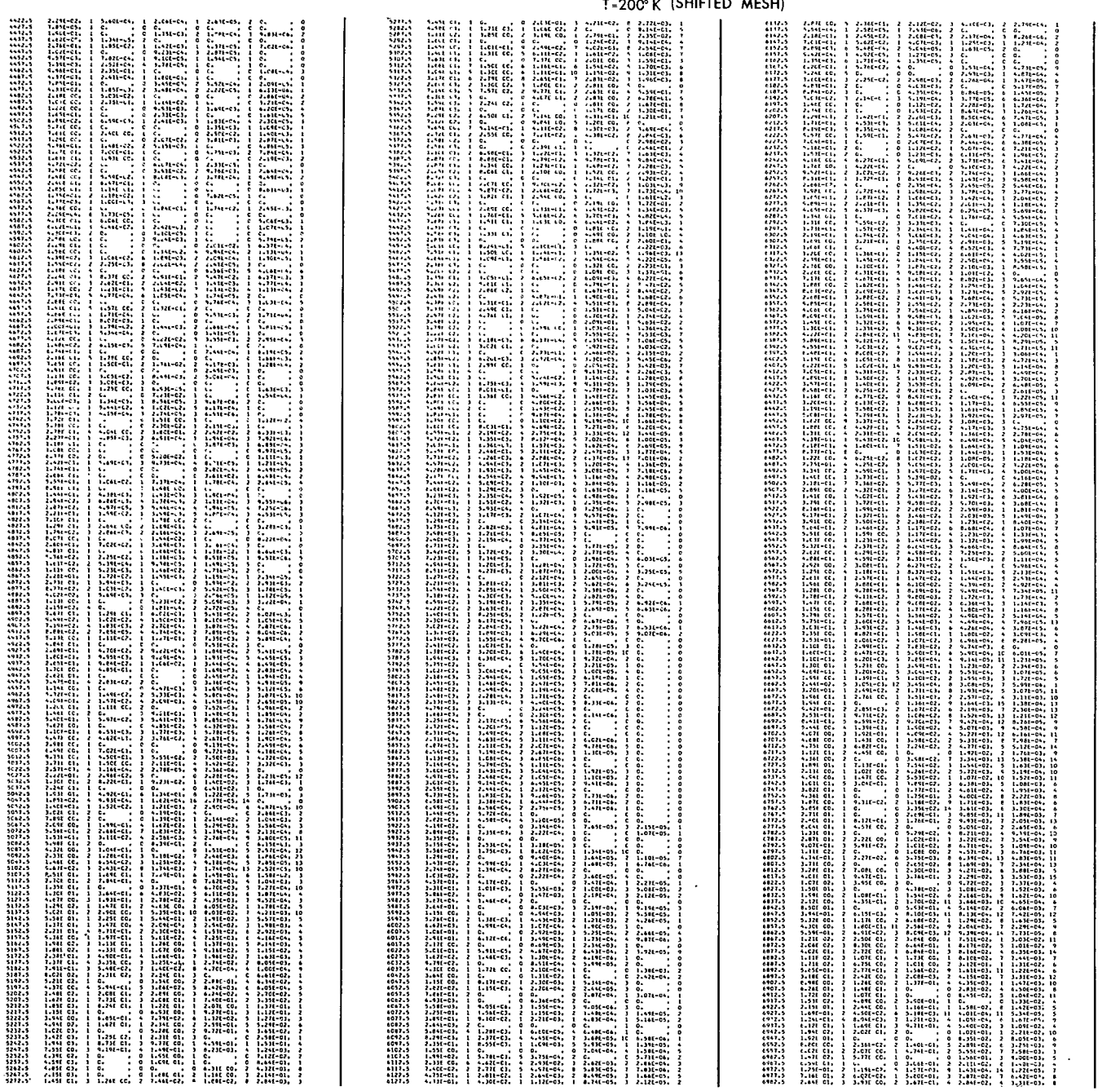


COEFFICIENTS ξ_s AND FOR WATER VAPOR
T-200° K (UNSHIFTED MESH)

COEFFICIENTS ξ_o AND n FOR WATER VAPOR
T-200° K (SHIFTED MESH)



COEFFICIENTS ξ_o AN[illegible] FOR WATER VAPOR
T=200° K (SHIFTED MESH)



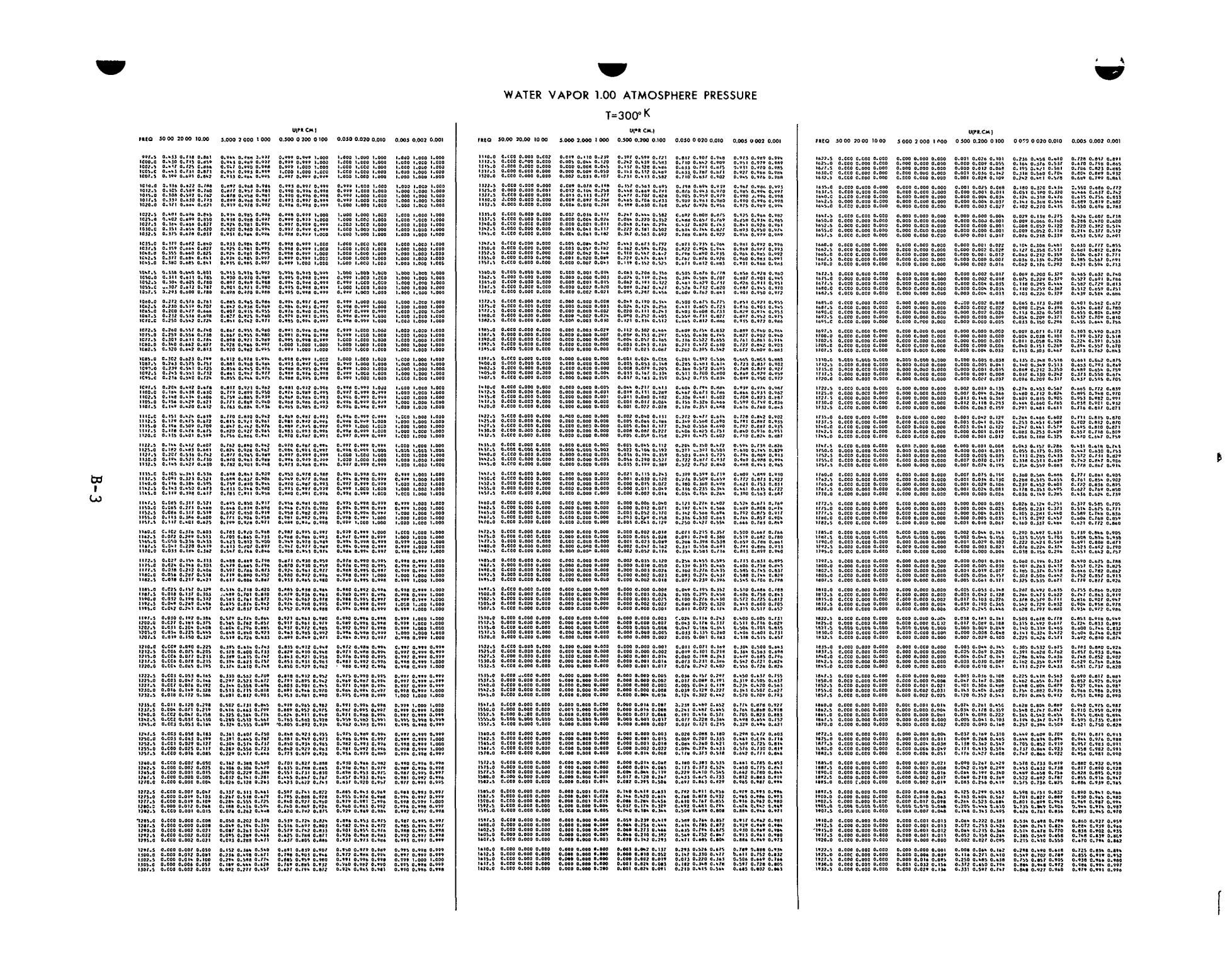
COEFFICIENTS ξ AND n FOR WATER VAPOR
T-200°K (SHIFTED MESH)

APPENDIX B

WATER VAPOR TRANSMISSIONS FOR FREQUENCIES LESS THAN 3400 cm^{-1} AT 300°K, 250°K, AND 200°K

WATER VAPOR 1.00 ATMOSPHERE PRESSURE

T=300° K



WATER VAPOR AT 1.00 ATMOSPHERE PRESSURE

T=300° K

WATER VAPOR AT 1.00 ATMOSPHERE PRESSURE

T=300° K

U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
2692.5	0.044	0.145	0.263	0.732	0.914	0.970	0.994	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
2685.0	0.043	0.142	0.261	0.731	0.913	0.969	0.993	0.997	0.999	0.999	0.999	0.999	1.000	1.000	1.000
2677.5	0.042	0.139	0.259	0.730	0.912	0.968	0.993	0.997	0.999	0.999	0.999	0.999	1.000	1.000	1.000
2670.0	0.041	0.136	0.257	0.729	0.911	0.968	0.993	0.997	0.999	0.999	0.999	0.999	1.000	1.000	1.000
2662.5	0.040	0.134	0.255	0.728	0.910	0.967	0.992	0.997	0.999	0.999	0.999	0.999	1.000	1.000	1.000
2655.0	0.039	0.131	0.253	0.727	0.909	0.966	0.992	0.996	0.999	0.999	0.999	0.999	1.000	1.000	1.000
2647.5	0.038	0.128	0.251	0.726	0.908	0.965	0.992	0.996	0.999	0.999	0.999	0.999	1.000	1.000	1.000
2640.0	0.037	0.126	0.249	0.725	0.907	0.965	0.991	0.996	0.999	0.999	0.999	0.999	1.000	1.000	1.000
2632.5	0.036	0.123	0.247	0.724	0.906	0.964	0.991	0.996	0.998	0.999	0.999	0.999	1.000	1.000	1.000
2625.0	0.035	0.121	0.245	0.723	0.905	0.963	0.991	0.995	0.998	0.999	0.999	0.999	1.000	1.000	1.000
2617.5	0.034	0.118	0.243	0.722	0.904	0.963	0.990	0.995	0.998	0.999	0.999	0.999	1.000	1.000	1.000
2610.0	0.033	0.116	0.241	0.721	0.903	0.962	0.990	0.995	0.998	0.999	0.999	0.999	1.000	1.000	1.000
2602.5	0.032	0.113	0.239	0.720	0.902	0.961	0.990	0.994	0.998	0.999	0.999	0.999	1.000	1.000	1.000
2595.0	0.031	0.111	0.237	0.719	0.901	0.961	0.989	0.994	0.997	0.999	0.999	0.999	1.000	1.000	1.000
2587.5	0.030	0.109	0.235	0.718	0.900	0.960	0.989	0.994	0.997	0.999	0.999	0.999	1.000	1.000	1.000
2580.0	0.029	0.106	0.233	0.717	0.899	0.959	0.989	0.993	0.997	0.999	0.999	0.999	1.000	1.000	1.000
2572.5	0.028	0.104	0.231	0.716	0.898	0.959	0.988	0.993	0.997	0.999	0.999	0.999	1.000	1.000	1.000
2565.0	0.027	0.102	0.229	0.715	0.897	0.958	0.988	0.993	0.997	0.999	0.999	0.999	1.000	1.000	1.000
2557.5	0.026	0.100	0.227	0.714	0.896	0.957	0.988	0.992	0.996	0.999	0.999	0.999	1.000	1.000	1.000
2550.0	0.025	0.098	0.225	0.713	0.895	0.957	0.987	0.992	0.996	0.999	0.999	0.999	1.000	1.000	1.000
2542.5	0.024	0.096	0.223	0.712	0.894	0.956	0.987	0.992	0.996	0.999	0.999	0.999	1.000	1.000	1.000
2535.0	0.023	0.094	0.221	0.711	0.893	0.955	0.987	0.991	0.996	0.999	0.999	0.999	1.000	1.000	1.000
2527.5	0.022	0.092	0.219	0.710	0.892	0.955	0.986	0.991	0.995	0.999	0.999	0.999	1.000	1.000	1.000
2520.0	0.021	0.090	0.217	0.709	0.891	0.954	0.986	0.991	0.995	0.999	0.999	0.999	1.000	1.000	1.000
2512.5	0.020	0.088	0.215	0.708	0.890	0.953	0.986	0.990	0.995	0.999	0.999	0.999	1.000	1.000	1.000
2505.0	0.019	0.086	0.213	0.707	0.889	0.953	0.985	0.990	0.995	0.999	0.999	0.999	1.000	1.000	1.000
2497.5	0.018	0.084	0.211	0.706	0.888	0.952	0.985	0.990	0.994	0.999	0.999	0.999	1.000	1.000	1.000
2490.0	0.017	0.082	0.209	0.705	0.887	0.951	0.985	0.989	0.994	0.999	0.999	0.999	1.000	1.000	1.000
2482.5	0.016	0.080	0.207	0.704	0.886	0.951	0.984	0.989	0.994	0.999	0.999	0.999	1.000	1.000	1.000
2475.0	0.015	0.078	0.205	0.703	0.885	0.950	0.984	0.989	0.993	0.999	0.999	0.999	1.000	1.000	1.000
2467.5	0.014	0.076	0.203	0.702	0.884	0.949	0.984	0.988	0.993	0.999	0.999	0.999	1.000	1.000	1.000
2460.0	0.013	0.074	0.201	0.701	0.883	0.949	0.983	0.988	0.993	0.999	0.999	0.999	1.000	1.000	1.000
2452.5	0.012	0.072	0.199	0.700	0.882	0.948	0.983	0.988	0.992	0.999	0.999	0.999	1.000	1.000	1.000
2445.0	0.011	0.070	0.197	0.699	0.881	0.947	0.983	0.987	0.992	0.999	0.999	0.999	1.000	1.000	1.000
2437.5	0.010	0.068	0.195	0.698	0.880	0.947	0.982	0.987	0.992	0.999	0.999	0.999	1.000	1.000	1.000
2430.0	0.009	0.066	0.193	0.697	0.879	0.946	0.982	0.987	0.991	0.999	0.999	0.999	1.000	1.000	1.000
2422.5	0.008	0.064	0.191	0.696	0.878	0.945	0.982	0.986	0.991	0.999	0.999	0.999	1.000	1.000	1.000
2415.0	0.007	0.062	0.189	0.695	0.877	0.945	0.981	0.986	0.991	0.999	0.999	0.999	1.000	1.000	1.000
2407.5	0.006	0.060	0.187	0.694	0.876	0.944	0.981	0.986	0.990	0.999	0.999	0.999	1.000	1.000	1.000
2400.0	0.005	0.058	0.185	0.693	0.875	0.943	0.981	0.985	0.990	0.999	0.999	0.999	1.000	1.000	1.000
2392.5	0.004	0.056	0.183	0.692	0.874	0.943	0.980	0.985	0.990	0.999	0.999	0.999	1.000	1.000	1.000
2385.0	0.003	0.054	0.181	0.691	0.873	0.942	0.980	0.985	0.989	0.999	0.999	0.999	1.000	1.000	1.000
2377.5	0.002	0.052	0.179	0.690	0.872	0.941	0.980	0.984	0.989	0.999	0.999	0.999	1.000	1.000	1.000
2370.0	0.001	0.050	0.177	0.689	0.871	0.941	0.979	0.984	0.989	0.999	0.999	0.999	1.000	1.000	1.000
2362.5	0.000	0.048	0.175	0.688	0.870	0.940	0.979	0.984	0.988	0.999	0.999	0.999	1.000	1.000	1.000
2355.0	0.000	0.046	0.173	0.687	0.869	0.939	0.979	0.983	0.988	0.999	0.999	0.999	1.000	1.000	1.000
2347.5	0.000	0.044	0.171	0.686	0.868	0.939	0.978	0.983	0.988	0.999	0.999	0.999	1.000	1.000	1.000
2340.0	0.000	0.042	0.169	0.685	0.867	0.938	0.978	0.983	0.987	0.999	0.999	0.999	1.000	1.000	1.000
2332.5	0.000	0.040	0.167	0.684	0.866	0.937	0.978	0.982	0.987	0.999	0.999	0.999	1.000	1.000	1.000
2325.0	0.000	0.038	0.165	0.683	0.865	0.937	0.977	0.982	0.987	0.999	0.999	0.999	1.000	1.000	1.000
2317.5	0.000	0.036	0.163	0.682	0.864	0.936	0.977	0.982	0.986	0.999	0.999	0.999	1.000	1.000	1.000
2310.0	0.000	0.034	0.161	0.681	0.863	0.935	0.977	0.981	0.986	0.999	0.999	0.999	1.000	1.000	1.000
2302.5	0.000	0.032	0.159	0.680	0.862	0.935	0.976	0.981	0.986	0.999	0.999	0.999	1.000	1.000	1.000
2295.0	0.000	0.030	0.157	0.679	0.861	0.934	0.976	0.981	0.985	0.999	0.999	0.999	1.000	1.000	1.000
2287.5	0.000	0.028	0.155	0.678	0.860	0.933	0.976	0.980	0.985	0.999	0.999	0.999	1.000	1.000	1.000
2280.0	0.000	0.026	0.153	0.677	0.859	0.933	0.975	0.980	0.985	0.999	0.999	0.999	1.000	1.000	1.000
2272.5	0.000	0.024	0.151	0.676	0.858	0.932	0.975	0.980	0.984	0.999	0.999	0.999	1.000	1.000	1.000
2265.0	0.000	0.022	0.149	0.675	0.857	0.931	0.975	0.979	0.984	0.999	0.999	0.999	1.000	1.000	1.000
2257.5	0.000	0.020	0.147	0.674	0.856	0.931	0.974	0.979	0.983	0.999	0.999	0.999	1.000	1.000	1.000
2250.0	0.000	0.018	0.145	0.673	0.855	0.930	0.974	0.979	0.983	0.999	0.999	0.999	1.000	1.000	1.000
2242.5	0.000	0.016	0.143	0.672	0.854	0.929	0.974	0.978	0.983	0.999	0.999	0.999	1.000	1.000	1.000
2235.0	0.000	0.014	0.141	0.671	0.853	0.929	0.973	0.978	0.982	0.999	0.999	0.999	1.000	1.000	1.000
2227.5	0.000	0.012	0.139	0.670	0.852	0.928	0.973	0.978	0.982	0.999	0.999	0.999	1.000	1.000	1.000
2220.0	0.000	0.010	0.137	0.669	0.851	0.927	0.973	0.977	0.982	0.999	0.999	0.999	1.000	1.000	1.000
2212.5	0.000	0.008	0.135	0.668	0.850	0.927	0.972	0.977	0.981	0.999	0.999	0.999	1.000	1.000	1.000
2205.0	0.000	0.006	0.133	0.667	0.849	0.926	0.972	0.977	0.981	0.999	0.999	0.999	1.000	1.000	1.000
2197.5	0.000	0.004	0.131	0.666	0.848	0.925	0.972	0.976	0.981	0.999	0.999	0.999	1.000	1.000	1.000
2190.0	0.000	0.002	0.129	0.665	0.847	0.925	0.971	0.976	0.980	0.999	0.999	0.999	1.000	1.000	1.000
2182.5	0.000	0.000	0.127	0.664	0.846	0.924	0.971	0.976	0.980	0.999	0.999	0.999	1.000	1.000	1.000
2175.0	0.000	0.000	0.125	0.663	0.845	0.923	0.971	0.975	0.980	0.999	0.999	0.999	1.000	1.000	1.000
2167.5	0.000	0.000	0.123	0.662	0.844	0.923	0.970	0.975	0.979	0.999	0.999	0.999	1.000	1.000	1.000
2160.0	0.000	0.000	0.121	0.661	0.843	0.922	0.970	0.975	0.979	0.999	0.999	0.999	1.000	1.000	1.000
2152.5	0.000	0.000	0.119	0.660	0.842	0.921	0.970	0.974	0.979	0.999	0.999	0.999	1.000	1.000	1.000
2145.0	0.000	0.000	0.117	0.659	0.841	0.921	0.969	0.974	0.978	0.999	0.999	0.999	1.000	1.000	1.000
2137.5	0.000	0.000	0.115	0.658	0.840	0.920	0.969	0.974	0.978	0.999	0.999	0.999	1.000	1.000	1.000
2130.0	0.000	0.000	0.113	0.657	0.839	0.919	0.969	0.973	0.978	0.999	0.999	0.999	1.000	1.000	1.000
2122.5	0.000	0.000	0.111	0.656	0.838	0.919	0.968	0.973	0.977	0.999	0.999	0.999	1.000	1.000	1.000
2115.0	0.000	0.000	0.109	0.655	0.837	0.918	0.968	0.973	0.977	0.999	0.999	0.999	1.000	1.000	1.000
2107.5	0.000	0.000	0.107	0.654	0.836	0.917	0.968	0.972	0.977	0.999	0.999	0.999	1.000	1.000	1.000
2100.0	0.000	0.000	0.105	0.653	0.835	0.917	0.967	0.972	0.976	0.999	0.999	0.999	1.000	1.000	1.000
2092.5	0.000	0.000	0.103	0.652	0.834	0.916	0.967	0.972	0.976	0.999	0.999	0.999	1.000	1.000	1.000
2085.0	0.000	0.000	0.101	0.651	0.833	0.915	0.967	0.971	0.976	0.999	0.999	0.999	1.000	1.000	1.000
2077.5	0.000	0.000	0.099	0.650	0.832	0.915	0.966	0.971	0.975	0.999	0.999	0.999	1.000	1.000	1.000
2070.0	0.000	0.000	0.097	0.649	0.831	0.914	0.966	0.971	0.975	0.999	0.999	0.999	1.000	1.000	1.000
2062.5	0.000	0.000	0.095	0.648	0.830	0.913	0.966	0.970	0.975	0.999	0.999	0.999	1.000	1.000	1.000
2055.0	0.000	0.000	0.093	0.647	0.829	0.913	0.965	0.970	0.974	0.999	0.999	0.999	1.000	1.000	1.000
2047.5	0.000	0.000	0.091	0.646	0.828	0.912	0.965	0.970	0.974	0.999	0.999	0.999	1.000	1.000	1.000
2040.0	0.000	0.000	0.089	0.645	0.827	0.912	0.965	0.969	0.974	0.999	0.999	0.999	1.000	1.000	1.000
2032.5	0.000	0.000	0.087	0.644	0.826	0.911	0.964	0.969	0.973	0.999	0.999	0.999	1.000	1.000	1.000
2025.0	0.000	0.000	0.085	0.643	0.825	0.911	0.964	0.969	0.973	0.999	0.999	0.999	1.000	1.000	1.000
2017.5	0.000	0.000	0.083	0.642	0.824	0.910	0.964	0.968	0.973	0.999	0.999	0.999	1.000	1.000	1.000
2010.0	0.000	0.000	0.081	0.641	0.823	0.910	0.963	0.968	0.972	0.999	0.999	0.999	1.000	1.000	1.000
2002.5	0.000	0.000	0.079	0.640	0.822	0.909	0.963	0.968	0.972	0.999	0.999	0.999	1.000	1.000	1.000
1995.0	0.000	0.000	0.077	0.639	0.821	0.909	0.963	0.967	0.972	0.999	0.999	0.999	1.000	1.000	1.000
1987.5	0.000	0.000	0.075	0.638	0.820	0.908	0.962	0.967	0.971	0.999	0.999	0.999	1.000	1.000	1.000
1980.0	0.000	0.000	0.073	0.637	0.819	0.907	0.962	0.967	0.971	0.999	0.999	0.999	1.000	1.000	1.000
1972.5	0.000	0.000	0.071	0.636	0.818	0.907	0.962	0.966	0.971	0.999	0.999	0.999	1.000	1.000	1.000
1965.0	0.000	0.000	0.069	0.635	0.817	0.906	0.961	0.966	0.970	0.999	0.999	0.999	1.000	1.000	1.000
1957.5	0.000	0.000	0.067	0.634	0.816	0.906	0.961	0.966	0.970	0.999	0.999	0.999	1.000	1.000	1.000
1950.0	0.000	0.000	0.065	0.633	0.815	0.905	0.961	0.965	0.970	0.999	0.999	0.999	1.000	1.000	1.000
1942.5	0.000	0.000	0.063	0.632	0.814	0.904	0.960	0.965	0.969	0.999	0.999	0.999	1.000	1.000	1.000
1935.0	0.000	0.000	0.061	0.631	0.813	0.904	0.960	0.965	0.969	0.999	0.999	0.999	1.000	1.000	1.000
1927.5	0.000	0.000	0.059	0.630	0.812	0.903	0.960	0.964	0.969	0.999	0.999	0.999	1.000	1.000	1.000
1920.0	0.000	0.000	0.057	0.629	0.811	0.903	0.959	0.964	0.968	0.999	0.999	0.999	1.000	1.000	1.000
1912.5	0.000	0.000	0.055	0.628	0.810	0.902	0.959	0.964	0.968	0.999	0.999	0.999	1.000	1.000	1.000
1905.0	0.000	0.000	0.053	0.627	0.809	0.902	0.959	0.963	0.968	0.999	0.999	0.999	1.000	1.000	1.000
1897.5	0.000	0.000	0.051	0.626	0.808	0.901	0.958	0.963	0.967	0.999	0.999	0.999	1.000	1.000	1.000
1890.0	0.000	0.000	0.049	0.625	0.807	0.901	0.958	0.963	0.967	0.999	0.999	0.999	1.000	1.000	1.000
1882.5	0.000	0.000	0.047	0.624	0.806	0.900	0.958	0.962	0.967	0.999	0.999	0.999	1.000	1.000	1.000
1875.0	0.000	0.000	0.045	0.623	0.805	0.900	0.957	0.962	0.966	0.999	0.999	0.999	1.000	1.000	1.000
1867.5	0.000	0.000	0.043	0.622	0.804	0.899	0.957	0.962	0.966	0.999	0.999	0.999	1.000	1.000	1.000
1860.0	0.000	0.000	0.041	0.621	0.803	0.899	0.957	0.961	0.966	0.999	0.999	0.999	1.000	1.000	1.000
1852.5	0.000	0.000	0.039	0.620	0.802	0.898	0.956	0.961	0.965	0.999	0.999	0.999	1.000	1.000	1.000
1845.0	0.000	0.000	0.037	0.619	0.801	0.898	0.956	0.961	0.965	0.999	0.999	0.999	1.000	1.000	1.000
1837.5	0.000	0.000	0.035	0.618	0.800	0.897	0.956	0.960	0.965	0.999	0.999	0.999	1.000	1.000	1.000
1830.0	0.000	0.000	0.033	0.617	0.799	0.897	0.955	0.960	0.964	0.999	0.999	0.999	1.000	1.000	1.000
1822.5	0.000	0.000	0.031	0.616	0.798	0.896	0.955	0.960	0.964	0.999	0.999	0.999	1.000	1.000	1.000
1815.0	0.000	0.000	0.029	0.615	0.797	0.896	0.955	0.959	0.964	0.999	0.999	0.999	1.000	1.000	1.000
1807.5	0.000	0.000	0.027	0.614	0.796	0.895	0.954	0.959	0.963	0.999	0.999	0.999	1.000	1.000	1.000
1800.0	0.000	0.000	0.025	0.613	0.795	0.895	0.954	0.959	0.963	0.999	0.999	0.999	1.000	1.000	1.000
1792.5	0.000	0.000	0.023	0.612	0.794	0.894	0.954	0.958	0.963	0.999	0.999	0.999	1.000	1.000	1.000
1785.0	0.000	0.000	0.021	0.611	0.793	0.894	0.953	0.958	0.962	0.999	0.999	0.999	1.000	1.000	1.000
1777.5	0.000	0.000	0.019	0.610	0.792	0.893	0.953	0.958	0.962	0.999	0.999	0.999	1.000	1.000	1.000
1770.0	0.000	0.000	0.017	0.609	0.791	0.893	0.953	0.957	0.962	0.999	0.999	0.999	1.000	1.000	1.000
1762.5	0.000	0.000	0.015	0.608	0.790	0.892	0.952	0.957	0.961	0.999	0.999	0.999	1.000	1.000	1.000
1755.0	0.000	0.000	0.013	0.607	0.789	0.892	0.952	0.957	0.961	0.999	0.999	0.999	1.000	1.000	1.000
1747.5	0.000	0.000	0.011	0.606	0.788	0.891	0.952	0.956	0.961	0.999	0.999	0.999	1.000	1.000	1.000
1740.0	0.000	0.000	0.009	0.605	0.787	0.891	0.951	0.956	0.960	0.999	0.999	0.999	1.000	1.000	1.000
1732.5	0.000	0.000	0.007	0.604	0.786	0.890	0.951	0.956	0.960	0.999	0.999	0.999	1.000	1.000	1.000
1725.0	0.000	0.000	0.005	0.603	0.785	0.890	0.951	0.955	0.960	0.999	0.999	0.999	1.000	1.000	1.000
1717.5	0.000	0.000	0.003	0.602	0.784	0.889	0.950	0.955	0.959	0.999	0.999	0.999	1.000	1.000	1.000
1710.0	0.000	0.000	0.001	0.601	0.783	0.889	0.950	0.955	0.959	0.999	0.999	0.999	1.000	1.000	1.000
1702.5	0.000	0.000	0.000	0.600	0.782	0.888	0.950	0.954	0.959	0.999	0.999	0.999	1.000	1.000	1.000
1695.0	0.000	0.000	0.000	0.599	0.781	0.888	0.949	0.954	0.958	0.999	0.999	0.999	1.000	1.000	1.000
1687.5	0.000	0.000	0.000	0.598	0.780	0.887	0.949	0.954	0.958	0.999	0.999	0.999	1.000	1.000	1.000
1680.0	0.000	0.000	0.000	0.597	0.779	0.887	0.949	0.953	0.958	0.999	0.999	0.999	1.000	1.000	1.000
1672.5	0.000	0.000	0.000	0.596	0.778	0.886	0.948	0.953	0.957	0.999	0.999	0.999	1.000	1.000	1.000
1665.0	0.000	0.000	0.000	0.595	0.777	0.886	0.948	0.953	0.957	0.999	0.999	0.999	1.000	1.000	1.000
1657.5	0.000	0.000	0.000	0.594	0.776	0.885	0.948	0.952	0.957	0.999	0.999	0.999	1.000	1.000	1.000
1650.0	0.000	0.000	0.000	0.593	0.775	0.885	0.947	0.952	0.956	0.999	0.999	0.999	1.000	1.000	1.000
1642.5	0.000	0.000	0.000	0.592	0.774	0.884	0.947	0.952	0.956	0.999	0.999	0.999	1.000	1.000	1.000
1635.0	0.000	0.000	0.000	0.591	0.773	0.884	0.947	0.951	0.956	0.999	0.999	0.999	1.000	1.000	1.000
1627.5	0.000	0.000	0.000	0.590	0.772	0.883	0.946	0.951	0.955	0.999	0.999	0.999	1.000	1.000	1.000
1620.0	0.000	0.000	0.000	0.589	0.771	0.883	0.946	0.951	0.955	0.999	0.999	0.999	1.000	1.000	1.000
1612.5	0.000	0.000	0.000	0.588	0.770	0.882	0.946	0.950	0.955	0.999	0.999	0.999	1.000	1.000	1.000
1605.0	0.000	0.000	0.000	0.587	0.769	0.882	0.945	0.950	0.954	0.999	0.999	0.999	1.000	1.000	1.000
1597.5	0.000	0.000	0.000	0.586	0.768	0.881	0.945	0.950	0.954	0.999	0.999	0.999	1.000	1.000	1.000
1590.0	0.000	0.000	0.000	0.585	0.767	0.881	0.945	0.949	0.954	0.999	0.999	0.999	1.000	1.000	1.000
1582.5	0.000	0.000	0.000	0.584	0.766	0.880	0.944	0.949	0.953	0.999	0.999	0.999	1.000	1.000	1.000
1575.0	0.000	0.000	0.000	0.583	0.765	0.880	0.944	0.949	0.953	0.999	0.999	0.999	1.000	1.000	1.000
1567.5	0.000	0.000	0.000	0.582	0.764	0.879	0.944	0.948	0.953	0.999	0.999	0.999	1.000	1.000	1.000
1560.0	0.000	0.000	0.000	0.581	0.763	0.879	0.943	0.948	0.952	0.999	0.999	0.999	1.000	1.000	1.000
1552.5	0.000	0.000	0.000	0.580	0.762	0.878	0.943	0.948	0.952	0.999	0.999	0.999	1.000	1.000	1.000
1545.0	0.000	0.000	0.000	0.579	0.761	0.878	0.943	0.947	0.952	0.999	0.999	0.999	1.000	1.000	1.000
1537.5	0.000	0.000	0.000	0.578	0.760	0.877	0.942	0.947	0.951	0.999	0.999	0.999	1.000	1.000	1.000
1530.0	0.000	0.000	0.000	0.577	0.759	0.877	0.942	0.947	0.951	0.999	0.999	0.999	1.000	1.000	1.000
1522.5	0.000	0.000	0.000	0.576	0.758	0.876	0.942	0.946	0.951	0.999	0.999	0.999	1.000	1.000	1.000
1515.0	0.000	0.000	0.000	0.575	0.757	0.876	0.941	0.946	0.950	0.999	0.999	0.999	1.000	1.000	1.000
1507.5	0.000	0.000	0.000	0.574	0.756	0.875	0.941	0.946	0.950	0.999	0.999	0.999	1.000	1.000	1.000
1500.0	0.000	0.000	0.000	0.573	0.755	0.875	0.941	0.945	0.950	0.999

WATER VAPOR AT 0.50 ATMOSPHERE PRESSURE

T=300° K

FREQ	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
				UPR CM-1											
297.5	0.455	0.852	0.936	0.972	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
300.0	0.451	0.850	0.935	0.974	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
302.5	0.460	0.859	0.942	0.981	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
305.0	0.464	0.864	0.945	0.984	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
307.5	0.459	0.859	0.941	0.982	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
310.0	0.548	0.767	0.874	0.936	0.975	0.988	0.993	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
312.5	0.534	0.759	0.870	0.931	0.974	0.987	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
315.0	0.539	0.764	0.875	0.933	0.976	0.987	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
317.5	0.557	0.779	0.887	0.943	0.977	0.987	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
320.0	0.594	0.810	0.907	0.959	0.984	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
322.5	0.630	0.839	0.928	0.973	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
325.0	0.631	0.842	0.931	0.976	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
327.5	0.626	0.838	0.929	0.976	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
330.0	0.621	0.833	0.926	0.974	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
332.5	0.619	0.832	0.925	0.974	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
335.0	0.409	0.828	0.923	0.971	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
337.5	0.587	0.810	0.911	0.963	0.990	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
340.0	0.583	0.806	0.910	0.963	0.990	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
342.5	0.645	0.852	0.937	0.973	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
345.0	0.619	0.826	0.920	0.973	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
347.5	0.569	0.785	0.899	0.954	0.985	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
350.0	0.538	0.769	0.891	0.952	0.985	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
352.5	0.551	0.784	0.907	0.965	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
355.0	0.584	0.820	0.935	0.979	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
357.5	0.620	0.858	0.958	0.991	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
360.0	0.593	0.826	0.915	0.968	0.991	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
362.5	0.567	0.787	0.869	0.936	0.979	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
365.0	0.562	0.778	0.858	0.930	0.975	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
367.5	0.573	0.791	0.873	0.941	0.981	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
370.0	0.592	0.814	0.894	0.956	0.988	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
372.5	0.483	0.727	0.849	0.919	0.967	0.985	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
375.0	0.482	0.726	0.848	0.918	0.967	0.985	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
377.5	0.538	0.777	0.893	0.947	0.979	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
380.0	0.593	0.825	0.928	0.971	0.991	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
382.5	0.565	0.806	0.915	0.968	0.991	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
385.0	0.542	0.787	0.902	0.962	0.989	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
387.5	0.523	0.774	0.895	0.959	0.988	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
390.0	0.544	0.797	0.914	0.970	0.992	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
392.5	0.615	0.855	0.951	0.985	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
395.0	0.644	0.877	0.962	0.989	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
397.5	0.615	0.855	0.950	0.984	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
400.0	0.566	0.816	0.928	0.974	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
402.5	0.547	0.787	0.902	0.959	0.990	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
405.0	0.548	0.788	0.903	0.959	0.990	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
407.5	0.564	0.804	0.916	0.967	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
410.0	0.594	0.830	0.934	0.976	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
412.5	0.596	0.833	0.936	0.977	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
415.0	0.566	0.808	0.919	0.968	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
417.5	0.523	0.774	0.894	0.952	0.987	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
420.0	0.505	0.760	0.885	0.947	0.985	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
422.5	0.515	0.772	0.897	0.956	0.989	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
425.0	0.539	0.795	0.914	0.967	0.992	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
427.5	0.557	0.810	0.926	0.974	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
430.0	0.557	0.810	0.926	0.974	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
432.5	0.547	0.802	0.920	0.972	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
435.0	0.542	0.798	0.917	0.971	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
437.5	0.548	0.803	0.921	0.973	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
440.0	0.562	0.815	0.930	0.977	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
442.5	0.579	0.829	0.940	0.981	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
445.0	0.592	0.839	0.947	0.984	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
447.5	0.597	0.843	0.950	0.985	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
450.0	0.597	0.843	0.950	0.985	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
452.5	0.594	0.841	0.948	0.985	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
455.0	0.589	0.836	0.945	0.983	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
457.5	0.582	0.830	0.941	0.981	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
460.0	0.576	0.825	0.937	0.979	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
462.5	0.573	0.822	0.935	0.978	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
465.0	0.573	0.822	0.935	0.978	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
467.5	0.577	0.825	0.938	0.979	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
470.0	0.585	0.832	0.943	0.981	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
472.5	0.597	0.842	0.950	0.985	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
475.0	0.611	0.853	0.958	0.988	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
477.5	0.625	0.864	0.966	0.990	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
480.0	0.636	0.873	0.972	0.992	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
482.5	0.644	0.879	0.976	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
485.0	0.647	0.881	0.977	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
487.5	0.645	0.879	0.976	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
490.0	0.639	0.875	0.973	0.992	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
492.5	0.630	0.868	0.969	0.991	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
495.0	0.620	0.861	0.964	0.989	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
497.5	0.611	0.853	0.958	0.988	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
500.0	0.603	0.847	0.954	0.986	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

FREQ	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
				UPR CM-1											
1310.0	0.000	0.000	0.000	0.000	0.002	0.017	0.069	0.311	0.757	0.581	0.875	0.776	0.941	0.989	0.996
1312.5	0.000	0.000	0.004	0.004	0.019	0.101	0.286	0.762	0.953	0.861	0.972	0.917	0.983	0.998	0.999
1315.0	0.000	0.000	0.000	0.000	0.005	0.038	0.176	0.592	0.902	0.783	0.961	0.890	0.976	0.997	0.999
1317.5	0.000	0.000	0.000	0.000	0.002	0.016	0.088	0.423	0.825	0.705	0.923	0.848	0.955	0.993	0.998
1320.0	0.000	0.000	0.000	0.000	0.002	0.010	0.058	0.314	0.744	0.636	0.879	0.801	0.933	0.990	0.997
1322.5	0.000	0.000	0.000	0.000	0.001	0.007	0.045	0.275	0.723	0.595	0.868	0.788	0.929	0.988	0.997
1325.0	0.000	0.000	0.000	0.000	0.001	0.010	0.068	0.323	0.784	0.643	0.897	0.819	0.943	0.991	0.997
1327.5	0.000	0.000	0.001	0.001	0.004	0.021	0.111	0.466	0.858	0.742	0.943	0.872	0.967	0.995	0.998
1330.0	0.000	0.000	0.000	0.000	0.002	0.013	0.080	0.382	0.812	0.692	0.926	0.852	0.958	0.994	0.998
1332.5	0.000	0.000	0.000	0.000	0.001	0.008	0.054	0.333	0.766	0.636	0.900	0.823	0.945	0.992	0.998
1335.0	0.000	0.000	0.000	0.002	0.019	0.098	0.298	0.946	0.937	0.859	0.984	0.897	0.985	0.998	0.999
1337.5	0.000	0.000	0.000	0.000	0.002	0.021	0.069	0.357	0.824	0.659	0.959	0.868	0.978	0.996	0.999
1340.0	0.000	0.000	0.000	0.000	0.001	0.009	0.045	0.255	0.732	0.545	0.918	0.827	0.961	0.993	0.998
1342.5	0.000	0.000	0.000	0.000	0.001	0.006	0.034	0.209	0.677	0.491	0.884	0.792	0.944	0.989	0.997
1345.0	0.000	0.000	0.000	0.000	0.000	0.004	0.026	0.182	0.646	0.459	0.865	0.771	0.933	0.987	0.997
1347.5	0.000	0.000	0.000	0.000	0.000	0.003	0.018	0.166	0.630	0.442	0.858	0.764	0.929	0.986	0.997
1350.0	0.000	0.000	0.000	0.000	0.000	0.003	0.016	0.161	0.625	0.438	0.856	0.762	0.928	0.986	0.997
1352.5	0.000	0.000	0.000	0.000	0.000	0.003	0.016	0.161	0.625	0.438	0.856	0.762	0.928	0.986	0.997
1355.0	0.000	0.000	0.000	0.000	0.000	0.003	0.016	0.161	0.625	0.438	0.856	0.762	0.928	0.986	0.997
1357.5	0.000	0.000	0.000	0.000	0.000	0.003	0.016	0.161	0.625	0.438	0.856	0.762	0.928	0.986	0.997
1360.0	0.000	0.000	0.000	0.000	0.000	0.003	0.016	0.161	0.625	0.438	0.856	0.762	0.928	0.986	0.997
1362.5	0.000	0.000	0.000	0.000	0.000	0.003	0.016	0.161	0.625	0.438	0.856	0.762	0.928	0.986	0.997
1365.0	0.000	0.000	0.000	0.000	0.000	0.003	0.016	0.161	0.625	0.438	0.856	0.762	0.928	0.986	0.997
1367.5	0.000	0.000	0.000	0.000	0.000	0.003	0.016	0.161	0.625	0.438	0.856	0.762	0.928	0.986	0.997
1370.0	0.000	0.000	0.000	0.000	0.000	0.003	0.016	0.161	0.625	0.438	0.856	0.762	0.928	0.986	0.997
1372.5	0.000	0.000	0.000	0.000	0.000	0.004	0.022	0.181	0.656	0.473	0.874	0.780	0.934	0.988	0.997
1375.0	0.000	0.000	0.000	0.000	0.000	0.004	0.023	0.187	0.665	0.483	0.879	0.786	0.936	0.988	0.997
1377.5	0.000	0.000	0.000	0.000	0.000	0.004	0.024	0.193	0.675	0.494	0.884	0.792	0.939	0.989	0.997
1380.0	0.000	0.000	0.000	0.000	0.000	0.004	0.025	0.199	0.685	0.505	0.889	0.798	0.941	0.989	0.997
1382.5	0.000	0.000	0.000	0.000	0.000	0.004	0.026	0.205	0.695	0.516	0.894	0.804	0.944	0.990	0.997
1385.0	0.000	0.000	0.000	0.000	0.000	0.004	0.027	0.211	0.705	0.527	0.899	0.810	0.946	0.990	0.997
1387.5	0.000	0.000	0.000	0.000	0.000	0.004	0.028	0.217	0.715	0.538	0.904	0.816	0.949	0.990	0.997
1390.0	0.000	0.000	0.000	0.000	0.000	0.004	0.029	0.223	0.725	0.549	0.909	0.822	0.951	0.991	0.997
1392.5	0.000	0.000	0.000	0.000	0.000	0.004	0.030	0.229	0.735	0.560	0.914	0.828	0.954	0.991	0.997
1395.0	0.000	0.000	0.000	0.000	0.000	0.004	0.031	0.235	0.745	0.570	0.919	0.834	0.956	0.991	0.997
1397.5	0.000	0.000	0.000	0.000	0.000	0.004	0.032	0.241	0.755	0.581	0.923	0.839	0.958	0.992	0.997
1400.0	0.000	0.000	0.000	0.000	0.000	0.004	0.033	0.247	0.764	0.591	0.928	0.845	0.960	0.992	0.997
1402.5	0.000	0.000	0.000	0.000	0.000	0.004	0.034	0.253	0.774	0.601	0.932	0.850	0.962	0.992	0.997
1405.0	0.000	0.000	0.000	0.000	0.000	0.004	0.035	0.259	0.783	0.611	0.936	0.855	0.964	0.992	0.997
1407.5	0.000	0.000	0.000	0.000	0.000	0.004	0.036	0.264	0.792	0.620	0.940	0.860	0.966	0.993	0.997
1410.0	0.000	0.000	0.000	0.000	0.000	0.004	0.036	0.270	0.801	0.630	0.944	0.865	0.968	0.993	0.997
1412.5	0.000	0.000	0.000	0.000	0.000	0.004	0.037	0.276	0.810	0.639	0.947	0.870	0.969	0.993	0.997
1415.0	0.000	0.000	0.000	0.000	0.000	0.004	0.038	0.281	0.818	0.648	0.951	0.874	0.971	0.993	0.997
1417.5	0.000	0.000	0.000	0.000	0.000	0.004	0.039	0.286	0.827	0.657	0.954	0.878	0.972	0.993	0.997
1420.0	0.000	0.000	0.000	0.000	0.000	0.004	0.039	0.291	0.835	0.665	0.957	0.882	0.973	0.994	0.997
1422.5	0.000	0.000	0.000	0.000	0.000	0.004	0.040	0.296	0.843	0.674	0.960	0.886	0.974	0.994	0.997
1425.0	0.000	0.000	0.000	0.000	0.000	0.004	0.041	0.301	0.850	0.682	0.962	0.889	0.975	0.994	0.997
1427.5	0.000	0.000	0.000	0.000	0.000	0.004	0.041	0.306	0.858	0.690	0.965	0.893	0.976	0.994	0.997
1430.0	0.000	0.000	0.000	0.000	0.000	0.004	0.042	0.310	0.865	0.697	0.967	0.896	0.977	0.994	0.997
1432.5	0.000	0.000	0.000	0.000	0.000	0.004	0.042	0.314	0.872	0.705	0.969	0.899	0.978	0.995	0.997
1435.0	0.000	0.000	0.000	0.000	0.000	0.004	0.043	0.318	0.878	0.712	0.971	0.902	0.979	0.995	0.997
1437.5	0.000	0.000	0.000	0.000	0.000	0.004	0.043	0.322	0.884	0.719	0.973	0.904	0.980	0.995	0.997
1440.0	0.000	0.000	0.000	0.000	0.000	0.004	0.043	0.325	0.890	0.725	0.974	0.907	0.980	0.995	0.997
1442.5	0.000	0.000	0.000	0.000	0.000	0.004	0.044	0.328	0.895	0.731	0.976	0.909	0.981	0.995	0.997
1445.0	0.000	0.000	0.000	0.000	0.000	0.004	0.044	0.331	0.900	0.737	0.977	0.911	0.982	0.995	0.997
1447.5	0.000	0.000	0.000	0.000	0.000	0.004	0.044	0.334	0.905	0.742	0.978	0.913	0.982	0.995	0.997
1450.0	0.000	0.000	0.000	0.000	0.000	0.004	0.044	0.336	0.909	0.747	0.979	0.915	0.983	0.995	0.997
1452.5	0.000	0.000	0.000	0.000	0.000	0.004	0.044	0.338	0.913	0.751	0.980	0.916	0.983	0.995	0.997
1455.0	0.000	0.000	0.000	0.000	0.000	0.004	0.044	0.340	0.917	0.755	0.981	0.918	0.984	0.995	0.997
1457.5	0.000	0.000	0.000	0.000	0.000	0.004	0.044	0.341	0.920	0.759	0.982	0.919	0.984	0.995	0.997
1460.0	0.000	0.000	0.000	0.000	0.000	0.004	0.044	0.342	0.922	0.762	0.982	0.920	0.984	0.995	0.997
1462.5	0.000	0.000	0.000	0.000	0.000	0.004	0.044	0.343	0.924	0.765	0.983	0.921	0.985	0.995	0.997
1465.0	0.000	0.000	0.000	0.000	0.000	0.004	0.044	0.343	0.925	0.767	0.983	0.922	0.985	0.995	0.997
1467.5	0.000	0.000	0.000	0.000	0.000	0.004	0.044	0.343	0.926	0.769	0.984	0.923	0.985	0.995	0.997
1470.0	0.000	0.000	0.000	0.000	0.000	0.004	0.044	0.343	0.927	0.770	0.984	0.923	0.985	0.995	0.997
1472.5	0.000	0.000	0.000	0.000	0.000	0.004	0.044	0.343	0.927	0.771	0.984	0.924	0.985	0.995	0.997
1475.0	0.000	0.000	0.000	0.000	0.000	0.004	0.044	0.343	0.927	0.771	0.984	0.924	0.985	0.995	0.997
1477.5	0.000	0.000	0.000	0.000	0.000	0.004	0.044	0.343	0.927	0.771	0.984	0.924	0.985	0.995	0.997
1480.0	0.000	0.000	0.000	0.000	0.000	0.004	0.044	0.343	0.927	0.771	0.984	0.924	0.985	0.995	0.997
1482.5	0.000	0.000	0.000	0.000	0.000	0.004	0.044	0.343	0.927	0.771	0.984	0.924	0.985	0.995	0.997
1485.0	0.000	0.000	0.000	0.000	0.000	0.004	0.044	0.343	0.927	0.771	0.984	0.924	0.985	0.995	0.997
1487.5	0.000	0.000	0.000	0.000	0.000	0.004	0.044	0.343	0.927	0.771	0.984	0.924	0.985	0.995	0.997
1490.0	0.000	0.000	0.000	0.000	0.000	0.004	0.044	0.343	0.927	0.771	0.984	0.924	0.985	0.995	0.997
1492.5	0.000	0.000	0.000	0.000	0.000	0.004	0.044	0.343	0.927	0.771	0.984	0.924	0.985	0.995	0.997
1495.0	0.000	0.000	0.000	0.000	0.000	0.004	0.044	0.343	0.927	0.771	0.984	0.924	0.985	0.995	0.997
1497.5	0.000	0.000	0.000	0.000	0.000	0.004	0.044	0.343	0.927	0.771	0.984	0.924	0.985	0.995	0.997
1500.0	0.000	0.000	0.000	0.000	0.000	0.004	0.044	0.343	0.927	0.771	0.984

WATER VAPOR AT 0.50 ATMOSPHERE PRESSURE

T=300° K

WATER VAPOR AT 0.50 ATMOSPHERE PRESSURE

T=300° K

FREQ.	U[PR.CM.] 50.00 20.00 10.00	5.000 2.000 1.000	0.500 0.200 0.100	0.050 0.020 0.010	0.005 0.002 0.001
2672.5	0.243 0.521 0.668	0.795 0.896 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2675.0	0.253 0.528 0.665	0.796 0.896 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2677.5	0.264 0.536 0.664	0.797 0.896 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2680.0	0.275 0.545 0.664	0.798 0.897 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2682.5	0.287 0.554 0.664	0.799 0.897 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2685.0	0.299 0.563 0.665	0.800 0.897 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2687.5	0.311 0.572 0.666	0.801 0.897 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2690.0	0.324 0.582 0.667	0.802 0.897 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2692.5	0.337 0.592 0.668	0.803 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2695.0	0.350 0.602 0.670	0.804 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2697.5	0.364 0.612 0.671	0.805 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2700.0	0.378 0.622 0.673	0.806 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2702.5	0.392 0.632 0.674	0.807 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2705.0	0.406 0.643 0.676	0.808 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2707.5	0.420 0.654 0.678	0.809 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2710.0	0.434 0.665 0.680	0.810 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2712.5	0.449 0.676 0.682	0.811 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2715.0	0.463 0.687 0.684	0.812 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2717.5	0.478 0.698 0.686	0.813 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2720.0	0.493 0.710 0.688	0.814 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2722.5	0.508 0.721 0.690	0.815 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2725.0	0.523 0.733 0.692	0.816 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2727.5	0.538 0.744 0.694	0.817 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2730.0	0.553 0.756 0.696	0.818 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2732.5	0.568 0.768 0.698	0.819 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2735.0	0.583 0.780 0.700	0.820 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2737.5	0.598 0.792 0.702	0.821 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2740.0	0.613 0.804 0.704	0.822 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2742.5	0.628 0.816 0.706	0.823 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2745.0	0.643 0.828 0.708	0.824 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2747.5	0.658 0.840 0.710	0.825 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2750.0	0.673 0.852 0.712	0.826 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2752.5	0.688 0.864 0.714	0.827 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2755.0	0.703 0.876 0.716	0.828 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2757.5	0.718 0.888 0.718	0.829 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2760.0	0.733 0.900 0.720	0.830 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2762.5	0.748 0.912 0.722	0.831 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2765.0	0.763 0.924 0.724	0.832 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2767.5	0.778 0.936 0.726	0.833 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2770.0	0.793 0.948 0.728	0.834 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2772.5	0.808 0.960 0.730	0.835 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2775.0	0.823 0.972 0.732	0.836 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2777.5	0.838 0.984 0.734	0.837 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2780.0	0.853 0.996 0.736	0.838 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2782.5	0.868 1.008 0.738	0.839 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2785.0	0.883 1.020 0.740	0.840 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2787.5	0.898 1.032 0.742	0.841 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2790.0	0.913 1.044 0.744	0.842 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2792.5	0.928 1.056 0.746	0.843 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2795.0	0.943 1.068 0.748	0.844 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2797.5	0.958 1.080 0.750	0.845 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000
2800.0	0.973 1.092 0.752	0.846 0.898 0.941	0.968 0.986 0.993	0.998 0.999 0.999	1.000 1.000 1.000

FREQ.	U[PR.CM.] 50.00 20.00 10.00	5.000 2.000 1.000	0.500 0.200 0.100	0.050 0.020 0.010	0.005 0.002 0.001
3165.0	0.900 1.034 0.010	0.055 0.194 0.336	0.481 0.664 0.743	0.819 0.891 0.934	0.962 0.983 0.991
3167.5	0.903 1.026 0.009	0.051 0.186 0.329	0.474 0.660 0.740	0.817 0.890 0.933	0.962 0.983 0.991
3170.0	0.905 1.019 0.009	0.047 0.178 0.322	0.468 0.655 0.737	0.815 0.889 0.933	0.961 0.983 0.991
3172.5	0.906 1.011 0.008	0.043 0.170 0.315	0.461 0.651 0.734	0.813 0.888 0.932	0.961 0.983 0.991
3175.0	0.908 1.003 0.008	0.039 0.162 0.308	0.455 0.646 0.731	0.811 0.887 0.932	0.960 0.982 0.991
3177.5	0.909 0.995 0.007	0.035 0.154 0.301	0.448 0.642 0.728	0.809 0.886 0.931	0.960 0.982 0.991
3180.0	0.910 0.987 0.007	0.031 0.146 0.294	0.442 0.637 0.725	0.807 0.885 0.931	0.959 0.982 0.990
3182.5	0.911 0.979 0.006	0.027 0.138 0.287	0.435 0.633 0.722	0.805 0.884 0.930	0.959 0.981 0.990
3185.0	0.912 0.971 0.006	0.023 0.130 0.280	0.429 0.628 0.719	0.803 0.883 0.930	0.958 0.981 0.990
3187.5	0.913 0.963 0.005	0.019 0.122 0.273	0.422 0.624 0.716	0.801 0.882 0.929	0.958 0.981 0.990
3190.0	0.914 0.955 0.005	0.015 0.114 0.266	0.416 0.619 0.713	0.799 0.881 0.929	0.957 0.980 0.989
3192.5	0.915 0.947 0.004	0.011 0.106 0.259	0.409 0.615 0.710	0.797 0.880 0.928	0.957 0.980 0.989
3195.0	0.916 0.939 0.004	0.007 0.098 0.252	0.403 0.610 0.707	0.795 0.879 0.928	0.956 0.980 0.989
3197.5	0.918 0.931 0.003	0.003 0.090 0.245	0.396 0.606 0.704	0.793 0.878 0.927	0.956 0.979 0.988
3200.0	0.919 0.923 0.003	0.000 0.082 0.238	0.390 0.601 0.701	0.791 0.877 0.927	0.955 0.979 0.988
3202.5	0.920 0.915 0.002	0.000 0.074 0.231	0.383 0.597 0.698	0.789 0.876 0.926	0.955 0.978 0.988
3205.0	0.921 0.907 0.002	0.000 0.066 0.224	0.377 0.592 0.695	0.787 0.875 0.926	0.954 0.978 0.987
3207.5	0.922 0.899 0.001	0.000 0.058 0.217	0.370 0.588 0.692	0.785 0.874 0.925	0.954 0.977 0.987
3210.0	0.923 0.891 0.001	0.000 0.050 0.210	0.364 0.583 0.689	0.783 0.873 0.925	0.953 0.977 0.986
3212.5	0.924 0.883 0.001	0.000 0.042 0.203	0.357 0.579 0.686	0.781 0.872 0.924	0.953 0.976 0.986
3215.0	0.925 0.875 0.000	0.000 0.034 0.196	0.351 0.574 0.683	0.779 0.871 0.924	0.952 0.976 0.985
3217.5	0.926 0.867 0.000	0.000 0.026 0.189	0.344 0.570 0.680	0.777 0.870 0.923	0.952 0.975 0.985
3220.0	0.927 0.859 0.000	0.000 0.018 0.182	0.338 0.565 0.677	0.775 0.869 0.923	0.951 0.975 0.985
3222.5	0.928 0.851 0.000	0.000 0.010 0.175	0.331 0.561 0.674	0.773 0.868 0.922	0.951 0.974 0.984
3225.0	0.929 0.843 0.000	0.000 0.002 0.168	0.325 0.556 0.671	0.771 0.867 0.922	0.950 0.974 0.984
3227.5	0.930 0.835 0.000	0.000 0.000 0.161	0.318 0.552 0.668	0.769 0.866 0.921	0.950 0.973 0.983
3230.0	0.931 0.827 0.000	0.000 0.000 0.154	0.312 0.547 0.665	0.767 0.865 0.921	0.949 0.973 0.983
3232.5	0.932 0.819 0.000	0.000 0.000 0.147	0.305 0.543 0.662	0.765 0.864 0.920	0.949 0.972 0.983
3235.0	0.933 0.811 0.000	0.000 0.000 0.140	0.299 0.538 0.659	0.763 0.863 0.920	0.948 0.972 0.982
3237.5	0.934 0.803 0.000	0.000 0.000 0.133	0.292 0.534 0.656	0.761 0.862 0.919	0.948 0.971 0.982
3240.0	0.935 0.795 0.000	0.000 0.000 0.126	0.286 0.529 0.653	0.759 0.861 0.919	0.947 0.971 0.982
3242.5	0.936 0.787 0.000	0.000 0.000 0.119	0.279 0.525 0.650	0.757 0.860 0.918	0.947 0.970 0.981
3245.0	0.937 0.779 0.000	0.000 0.000 0.112	0.273 0.520 0.647	0.755 0.859 0.918	0.946 0.970 0.981
3247.5	0.938 0.771 0.000	0.000 0.000 0.105	0.266 0.516 0.644	0.753 0.858 0.917	0.946 0.969 0.980
3250.0	0.939 0.763 0.000	0.000 0.000 0.098	0.260 0.511 0.641	0.751 0.857 0.917	0.945 0.969 0.980
3252.5	0.940 0.755 0.000	0.000 0.000 0.091	0.253 0.507 0.638	0.749 0.856 0.916	0.945 0.968 0.980
3255.0	0.941 0.747 0.000	0.000 0.000 0.084	0.247 0.502 0.635	0.747 0.855 0.916	0.944 0.968 0.979
3257.5	0.942 0.739 0.000	0.000 0.000 0.077	0.240 0.498 0.632	0.745 0.854 0.915	0.944 0.967 0.979
3260.0	0.943 0.731 0.000	0.000 0.000 0.070	0.234 0.493 0.629	0.743 0.853 0.915	0.943 0.967 0.979
3262.5	0.944 0.723 0.000	0.000 0.000 0.063	0.227 0.489 0.626	0.741 0.852 0.914	0.943 0.966 0.978
3265.0	0.945 0.715 0.000	0.000 0.000 0.056	0.221 0.484 0.623	0.739 0.851 0.914	0.942 0.966 0.978
3267.5	0.946 0.707 0.000	0.000 0.000 0.049	0.214 0.480 0.620	0.737 0.850 0.913	0.942 0.965 0.978
3270.0	0.947 0.699 0.000	0.000 0.000 0.042	0.208 0.475 0.617	0.735 0.849 0.913	0.941 0.965 0.977
3272.5	0.948 0.691 0.000	0.000 0.000 0.035	0.201 0.471 0.614	0.733 0.848 0.912	0.941 0.964 0.977
3275.0	0.949 0.683 0.000	0.000 0.000 0.028	0.195 0.466 0.611	0.731 0.847 0.912	0.940 0.964 0.977
3277.5	0.950 0.675 0.000	0.000 0.000 0.021	0.188 0.462 0.608	0.729 0.846 0.911	0.940 0.963 0.976
3280.0	0.951 0.667 0.000	0.000 0.000 0.014	0.182 0.457 0.605	0.727 0.845 0.911	0.939 0.963 0.976
3282.5	0.952 0.659 0.000	0.000 0.000 0.007	0.175 0.453 0.602	0.725 0.844 0.910	0.939 0.962 0.976
3285.0	0.953 0.651 0.000	0.000 0.000 0.000	0.169 0.448 0.599	0.723 0.843 0.910	0.938 0.962 0.975
3287.5	0.954 0.643 0.000	0.000 0.000 0.000	0.162 0.444 0.596	0.721 0.842 0.909	0.938 0.961 0.975
3290.0	0.955 0.635 0.000	0.000 0.000 0.000	0.156 0.439 0.593	0.719 0.841 0.909	0.937 0.961 0.975
3292.5	0.956 0.627 0.000	0.000 0.000 0.000	0.149 0.435 0.590	0.717 0.840 0.908	0.937 0.960 0.974
3295.0	0.957 0.619 0.000	0.000 0.000 0.000	0.143 0.430 0.587	0.715 0.839 0.908	0.936 0.960 0.974
3297.5	0.958 0.611 0.000	0.000 0.000 0.000	0.136 0.426 0.584	0.713 0.838 0.907	0.936 0.959 0.973
3300.0	0.959 0.603 0.000	0.000 0.000 0.000	0.130 0.421 0.581	0.711 0.837 0.907	0.935 0.959 0.973
3302.5	0.960 0.595 0.000	0.000 0.000 0.000	0.123 0.417 0.578	0.709 0.836 0.906	0.935 0.958 0.973
3305.0	0.961 0.587 0.000	0.000 0.000 0.000	0.117 0.412 0.575	0.707 0.835 0.906	0.934 0.958 0.972
3307.5	0.962 0.579 0.000	0.000 0.000 0.000	0.110 0.408 0.572	0.705 0.834 0.905	0.934 0.957 0.972
3310.0	0.963 0.571 0.000	0.000 0.000 0.000	0.104 0.403 0.569	0.703 0.833 0.905	0.933 0.957 0.971
3312.5	0.964 0.563 0.000	0.000 0.000 0.000	0.097 0.399 0.566	0.701 0.832 0.904	0.933 0.956 0.971
3315.0	0.965 0.555 0.000	0.000 0.000 0.000	0.091 0.394 0.563	0.699 0.831 0.904	0.932 0.956 0.971
3317.5	0.966 0.547 0.000	0.000 0.000 0.000	0.084 0.390 0.560	0.697 0.830 0.903	0.932 0.955 0.970
3320.0	0.967 0.539 0.000	0.000 0.000 0.000	0.078 0.385 0.557	0.695 0.829 0.903	0.931 0.955 0.970
3322.5	0.968 0.531 0.000	0.000 0.000 0.000	0.071 0.381 0.554	0.693 0.828 0.902	0.931 0.954 0.970
3325.0	0.969 0.523 0.000	0.000 0.000 0.000	0.065 0.376 0.551	0.691 0.827 0.902	0.930 0.954 0.969
3327.5	0.970 0.515 0.000	0.000 0.000 0.000	0.058 0.372 0.548	0.689 0.826 0.901	0.930 0.953 0.969
3330.0	0.971 0.507 0.000	0.000 0.000 0.000	0.052 0.367 0.545	0.687 0.825 0.901	0.929 0.953 0.968
3332.5	0.972 0.499 0.000	0.000 0.000 0.000	0.045 0.363 0.542	0.685 0.824 0.900	0.929 0.952 0.968
3335.0	0.973 0.491 0.000	0.000 0.000 0.000	0.039 0.358 0.539	0.683 0.823 0.900	0.928 0.952 0.967
3337.5	0.974 0.483 0.000	0.000 0.000 0.000	0.032 0.354 0.536	0.681 0.822 0.899	0.928 0.951 0.967
3340.0	0.975 0.475 0.000	0.000 0.000 0.000	0.026 0.349 0.533	0.679 0.821 0.899	0.927 0.951 0.966
3342.5	0.976 0.467 0.000	0.000 0.000 0.000	0.019 0.345 0.530	0.677 0.820 0.898	0.927 0.950 0.966
3345.0	0.977 0.459 0.000	0.000 0.000 0.000	0.013 0.340 0.527	0.675 0.819 0.898	0.926 0.950 0.965
3347.5	0.978 0.451 0.000	0.000 0.000 0.000	0.006 0.336 0.524	0.673 0.818 0.897	0.926 0.949 0.965
3350.0	0.979 0.443 0.000	0.000 0.000 0.000	0.000 0.331 0.521	0.671 0.817 0.897	0.925 0.949 0.964
3352.5	0.980 0.435 0.000	0.000 0.000 0.000	0.000 0.327 0.518	0.669 0.816 0.896	0.925 0.948 0.964
3355.0	0.981 0.427 0.000	0.000 0.000 0.000	0.000 0.322 0.515	0.667 0.815 0.896	0.924 0.948 0.963
3357.5	0.982 0.419 0.000	0.000 0.000 0.000	0.000 0.318 0.512	0.665 0.814 0.895	0.924 0.947 0.963
3360.0	0.983 0.411 0.000	0.000 0.000 0.000	0.000 0.313 0.509	0.663 0.813 0.895	0.923 0.947 0.962
3362.5	0.984 0.403 0.000	0.000 0.000 0.000	0.000 0.309 0.506	0.661 0.812 0.894	0.923 0.946 0.962
3365.0	0.985 0.395 0.000	0.000 0.000 0.000	0.000 0.304 0.503	0.659 0.811 0.894	0.922 0.946 0.961
3367.5	0.986 0.387 0.000	0.000 0.000 0.000	0.000 0.300 0.500	0.657 0.810 0.893	0.922 0.945 0.961
3370.0	0.987 0.379 0.000	0.000 0.000 0.000	0.000 0.295 0.497	0.655 0.809 0.893	0.921 0.945 0.960
3372.5	0.988 0.371 0.000	0.000 0.000 0.000	0.000 0.291 0.494	0.653 0.808 0.892	0.921 0.944 0.960
3375.0	0.989 0.363 0.000	0.000 0.000 0.000	0.000 0.286 0.491	0.651 0.807 0.892	0.920 0.944 0.959
3377.5	0.990 0.355 0.000	0.000 0.000 0.000	0.000 0.282 0.488	0.649 0.806 0.891	0.920 0.943 0.959
3380.0	0.991 0.347 0.000	0.000 0.000 0.000	0.000 0.277 0.485	0.647 0.805 0.891	0.919 0.943 0.958
3382.5	0.992 0.339 0.000	0.000 0.000 0.000	0.000 0.273 0.482	0.645 0.804 0.890	0.919 0.942 0.958
3385.0	0.993 0.331 0.000	0.000 0.000 0.000	0.000 0.268 0.479	0.643 0.803 0.890	0.918 0.942 0.957
3387.5	0.994 0.323 0.000	0.000 0.000 0.000	0.000 0.264 0.476	0.641 0.802 0.889	0.918 0.941 0.957
3390.0	0.995 0.315 0.000	0.000 0.000 0.000	0.000 0.259 0.473	0.639 0.801 0.889	0.917 0.941 0.956
3392.5	0.996 0.307 0.000	0.000 0.000 0.000	0.000 0.255 0.470	0.637 0.800 0.888	0.917 0.940 0.956
3395.0	0.997 0.299 0.000	0.000 0.000 0.000	0.000 0.250 0.467	0.635 0.799 0.888	0.916 0.940 0.955
3397.5	0.998 0.291 0.000	0.000 0.000 0.000	0.000 0.246 0.464	0.633 0.798 0.887	0.916 0.939 0.955
3400.0	0.999 0.283 0.000	0.000 0.000 0.000	0.000 0.241 0.461	0.631 0.797 0.887	0.915 0.939 0.954

FREQ.	U[PR.CM.] 50.00 20.00 10.00	5.000 2.000 1.000	0.500 0.200 0.100	0.050 0.020 0.010	0.005 0.002 0.001
3165.0	0.900 1.034 0.010	0.055 0.194 0.336	0.481 0.664 0.743	0.819 0.891 0.934	0.962 0.983 0.991
3167.5	0.903 1.026 0.009	0.051 0.186 0.329	0.474 0.660 0.740	0.817 0.890 0.933	0.962 0.983 0.991
3170.0	0.905 1.019 0.009	0.047 0.178 0.322	0.468 0.655 0.737	0.815 0.889 0.933	0.961 0.983 0.991
3172.5	0.906 1.011 0.008	0.043 0.170 0.315	0.461 0.651 0.734	0.813 0.888 0.932	0.961 0.983 0.991
3175.0	0.908 1.003 0.008	0.039 0.162 0.308	0.455 0.646 0.731	0.811 0.887 0.932	0.960 0.982 0.991
3177.5	0.909 0.995 0.007	0.035 0.154 0.301	0.448 0.642 0.728	0.809 0.886 0.931	0.960 0.982 0.991
3180.0	0.910 0.987 0.007	0.031 0.146 0.294	0.442 0.637 0.725	0.807 0.885 0.931	0.959 0.982 0.990
3182.5	0.911 0.979 0.006	0.027 0.138 0.287	0.435 0.633 0.722	0.805 0.884 0.930	0.959 0.981 0.990
3185.0	0.912 0.971 0.006	0.023 0.130 0.280	0.429 0.628 0.719	0.803 0.883 0.930	0.958 0.981 0.990
3187.5	0.913 0.963 0.005	0.019 0.122 0.273	0.422 0.624 0.716	0.801 0.882 0.929	0.958 0.981 0.990
3190.0	0.914 0.955 0.005	0.015 0.114 0.266	0.416 0.619 0.713	0.799 0.881 0.929	0.957 0.980 0.989
3192.5	0.915 0.947 0.004	0.011 0.106 0.259	0.409 0.615 0.710	0.797 0.880 0.928	0.957 0.980 0.989
3195.0	0.916 0.939 0.004	0.007 0.098 0.252	0.403 0.610 0.707	0.795 0.879 0.928	0.956 0.980 0.989
3197.5	0.918 0.931 0.003	0.003 0.090 0.245	0.396 0.606 0.704	0.793 0.878 0.927	0.956 0.979 0.988
3200.0	0.919 0.923 0.003	0.000 0.082 0.238	0.390 0.601 0.701	0.791 0.877 0.927	0.955 0.979 0.988
3202.5	0.920 0.915 0.002	0.000 0.074 0.231	0.383 0.597 0.698	0.789 0.876 0.926	0.955 0.978 0.988
3205.0	0.921 0.907 0.002	0.000 0.066 0.224	0.377 0.592 0.695	0.787 0.875 0.926	0.954 0.978 0.987
3207.5	0.922 0.899 0.001	0.000 0.058 0.217	0.370 0.588 0.692	0.785 0.874 0.925	0.954 0.977 0.987
3210.0	0.923 0.891 0.001	0.000 0.050 0.210	0.364 0.583 0.689	0.783 0.873 0.925	0.953 0.977 0.986
3212.5	0.924 0.883 0.001	0.000 0.042 0.203	0.357 0.579 0.686	0.781 0.872 0.924	0.953 0.976 0.986
3215.0	0.925 0.875 0.000	0.000 0.034 0.196	0.351 0.574 0.683	0.779 0.871 0.924	0.952 0.976 0.985
3217.5	0.926 0.867 0.000	0.000 0.026 0.189	0.344 0.570 0.680	0.777 0.870 0.923	0.952 0.975 0.985
3220.0	0.927 0.859 0.000	0.000 0.018 0.182	0.338 0.565 0.677	0.775 0.869 0.923	0.951 0.975 0.985
3222.5	0.928 0.851 0.000	0.000 0.010 0.175	0.331 0.561 0.674	0.773 0.868 0.922	0.951 0.974 0.984
3225.0	0.929 0.843 0.000	0.000 0.002 0.168	0.325 0.556 0.671	0.771 0.867 0.922	0.950 0.974 0.984
3227.5	0.930 0.835 0.000	0.000 0.000 0.161	0.318 0.552 0.668	0.769 0.866 0.921	0.950 0.973 0.983
3230.0	0.931 0.827 0.000	0.000 0.000 0.154	0.312 0.547 0.665	0.767 0.865 0.921	0.949 0.973 0.983
3232.5	0.932 0.819 0.000	0.000 0.000 0.147	0.305 0.543 0.662	0.765 0.864 0.920	0.949 0.972 0.983
3235.0	0.933 0.811 0.000	0.000 0.000 0.140	0.299 0.538 0.659	0.763 0.863 0.920	0.948 0.972 0.982
3237.5	0.934 0.803 0.000	0.000 0.000 0.133	0.292 0.534 0.656	0.761 0.862 0.919	0.948 0.971 0.982
3240.0	0.935 0.795 0.000	0.000 0.000 0.126	0.286 0.529 0.653	0.759 0.861 0.919	0.947 0.971 0.982
3242.5	0.936 0.787 0.000	0.000 0.000 0.119	0.279 0.525 0.650	0.757 0.860 0.918	0.947 0.970 0.981
3245.0	0.937 0.779 0.000	0.000 0.000 0.112	0.273 0.520 0.647	0.755 0.859 0.918	0.946 0.970 0.981
3247.5	0.938 0.771 0.000	0.000 0.000 0.105	0.266 0.516 0.644	0.753 0.858 0.917	0.946 0.969 0.980
3250.0	0.939 0.763 0.000	0.000 0.000 0.098	0.260 0.511 0.641	0.751 0.857 0.917	0.945 0.969 0.980
3252.5	0.940 0.755 0.000	0.000 0.000 0.091	0.253 0.507 0.638	0.749 0.856 0.916	0.945 0.968 0.980
3255.0	0.941 0.747 0.000	0.000 0.000 0.084	0.247 0.502 0.635	0.747 0.855 0.916	0.944 0.968 0.979
3257.5	0.942 0.739 0.000	0.000 0.000 0.077	0.240 0.498 0.632	0.745 0.854 0.915	0.944 0.967 0.979
3260.0	0.943 0.731 0.000	0.000 0.000 0.070	0.234 0.493 0.629	0.743 0.853 0.915	0.943 0.967 0.979
3262.5	0.944 0.723 0.000	0.000 0.000 0.063	0.227 0.489 0.626	0.741 0.852 0.914	0.943 0.966 0.978
3265.0	0.945 0.715 0.000	0.000 0.000 0.056	0.221 0.484 0.623	0.739 0.851 0.914	0.942 0.966 0.978
3267.5	0.946 0.707 0.000	0.000 0.000 0.049	0.214 0.480 0.620	0.737 0.850 0.913	0.942 0.965 0.978
3270.0	0.947 0.699 0.000	0.000 0.000 0.042	0.208 0.475 0.617	0.735 0.849 0.913	0.941 0.965 0.977
3272.5	0.948 0.691 0.000	0.000 0.000 0.035	0.201 0.471 0.614	0.733 0.848 0.912	0.941 0.964 0.977
3275.0	0.949 0.683 0.000	0.000 0.000 0.028	0.195 0.466 0.611	0.731 0.847 0.912	0.940 0.964 0.977
3277.5	0.950 0.675 0.000	0.000 0.000 0.021	0.188 0.462 0.608	0.729 0.846 0.911	0.940 0.963 0.976
3280.0	0.951 0.667 0.000	0.000 0.000 0.014	0.182 0.457 0.605	0.727 0.845 0.911	0.939 0.963 0.976
3282.5	0.952 0.659 0.000	0.000 0.000 0.007	0.175 0.453 0.602	0.725 0.844 0.910	0.939 0.962 0.976
3285.0	0.953 0.651 0.000	0.000 0.000 0.000	0.169 0.448 0.599	0.723 0.843 0.910	0.938 0.962 0.975
3287.5	0.954 0.643 0.000	0.000 0.000 0.000	0.162 0.444 0.596	0.721 0.842 0.909	0.938 0.961 0.975
3290.0	0.955 0.635 0.000	0.000 0.000 0.000	0.156 0.439 0.593	0.719 0.841 0.909	0.937 0.961 0.975
3292

WATER VAPOR AT 0.20 ATMOSPHERE PRESSURE

T=300° K

WATER VAPOR AT 0.20 ATMOSPHERE PRESSURE

T=300° K

U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1935.0	0.002	0.001	0.021	0.196	0.338	0.532	0.690	0.829	0.892	0.932	0.963	0.977	0.987	0.994	0.997
1937.5	0.000	0.000	0.007	0.049	0.196	0.338	0.473	0.672	0.713	0.789	0.864	0.904	0.933	0.960	0.973
1940.0	0.000	0.000	0.005	0.012	0.115	0.198	0.291	0.437	0.549	0.653	0.767	0.832	0.881	0.926	0.949
1942.5	0.000	0.000	0.002	0.003	0.027	0.080	0.170	0.313	0.465	0.599	0.724	0.801	0.859	0.914	0.942
1945.0	0.000	0.000	0.000	0.005	0.049	0.112	0.251	0.434	0.561	0.672	0.745	0.848	0.894	0.937	0.959
1947.5	0.003	0.002	0.017	0.066	0.144	0.328	0.471	0.641	0.741	0.819	0.890	0.926	0.950	0.972	0.984
1950.0	0.003	0.002	0.024	0.098	0.269	0.420	0.561	0.712	0.797	0.861	0.917	0.945	0.964	0.980	0.989
1952.5	0.007	0.003	0.036	0.141	0.321	0.527	0.662	0.791	0.857	0.905	0.945	0.965	0.978	0.988	0.993
1955.0	0.000	0.007	0.050	0.163	0.340	0.541	0.671	0.794	0.858	0.903	0.944	0.964	0.977	0.988	0.993
1957.5	0.003	0.007	0.052	0.167	0.342	0.556	0.686	0.806	0.868	0.911	0.949	0.967	0.980	0.990	0.994
1960.0	0.003	0.007	0.034	0.177	0.415	0.585	0.716	0.831	0.888	0.926	0.958	0.974	0.984	0.992	0.996
1962.5	0.000	0.002	0.021	0.094	0.261	0.404	0.535	0.678	0.763	0.829	0.891	0.924	0.948	0.969	0.980
1965.0	0.003	0.001	0.014	0.056	0.159	0.266	0.387	0.565	0.652	0.740	0.830	0.879	0.915	0.948	0.965
1967.5	0.003	0.004	0.036	0.132	0.215	0.316	0.427	0.571	0.672	0.756	0.840	0.887	0.920	0.951	0.967
1970.0	0.000	0.012	0.070	0.194	0.393	0.526	0.636	0.750	0.815	0.867	0.915	0.941	0.959	0.975	0.983
1972.5	0.021	0.028	0.130	0.315	0.564	0.737	0.861	0.920	0.953	0.973	0.987	0.993	0.996	0.998	0.999
1975.0	0.001	0.041	0.169	0.361	0.613	0.752	0.847	0.920	0.951	0.970	0.985	0.991	0.995	0.998	0.999
1977.5	0.003	0.041	0.253	0.465	0.696	0.810	0.883	0.937	0.960	0.974	0.987	0.992	0.996	0.998	0.999
1980.0	0.003	0.077	0.249	0.469	0.713	0.825	0.876	0.946	0.970	0.982	0.991	0.995	0.997	0.999	0.999
1982.5	0.002	0.036	0.193	0.391	0.647	0.786	0.876	0.944	0.970	0.985	0.994	0.997	0.999	0.999	1.000
1985.0	0.000	0.015	0.077	0.206	0.429	0.591	0.720	0.833	0.895	0.937	0.961	0.974	0.981	0.990	0.995
1987.5	0.000	0.002	0.021	0.077	0.219	0.352	0.483	0.638	0.731	0.804	0.874	0.910	0.936	0.960	0.973
1990.0	0.000	0.000	0.001	0.011	0.062	0.143	0.257	0.430	0.556	0.664	0.776	0.836	0.885	0.929	0.953
1992.5	0.000	0.000	0.000	0.006	0.043	0.114	0.224	0.400	0.530	0.644	0.763	0.829	0.880	0.927	0.952
1995.0	0.000	0.001	0.026	0.042	0.148	0.265	0.393	0.556	0.662	0.749	0.835	0.883	0.919	0.953	0.971
1997.5	0.000	0.004	0.031	0.129	0.241	0.449	0.591	0.736	0.816	0.871	0.921	0.946	0.965	0.981	0.989
2000.0	0.001	0.034	0.117	0.293	0.522	0.669	0.774	0.872	0.915	0.944	0.967	0.976	0.984	0.993	0.996
2002.5	0.004	0.042	0.249	0.459	0.696	0.800	0.873	0.930	0.955	0.971	0.983	0.989	0.993	0.996	0.998
2005.0	0.026	0.093	0.249	0.451	0.681	0.776	0.850	0.911	0.940	0.959	0.977	0.985	0.992	0.996	0.998
2007.5	0.002	0.034	0.151	0.295	0.495	0.624	0.727	0.826	0.878	0.915	0.950	0.969	0.982	0.992	0.996
2010.0	0.007	0.009	0.057	0.170	0.319	0.536	0.662	0.796	0.852	0.899	0.943	0.965	0.980	0.991	0.996
2012.5	0.000	0.015	0.036	0.116	0.269	0.438	0.575	0.720	0.801	0.862	0.916	0.946	0.965	0.980	0.987
2015.0	0.003	0.024	0.027	0.093	0.212	0.330	0.473	0.627	0.724	0.800	0.871	0.911	0.938	0.963	0.976
2017.5	0.000	0.001	0.007	0.036	0.140	0.264	0.402	0.574	0.682	0.767	0.849	0.893	0.926	0.956	0.972
2020.0	0.000	0.006	0.036	0.111	0.267	0.401	0.529	0.671	0.756	0.827	0.895	0.919	0.945	0.969	0.981
2022.5	0.000	0.010	0.057	0.167	0.373	0.527	0.656	0.789	0.845	0.892	0.934	0.956	0.972	0.988	0.992
2025.0	0.001	0.028	0.109	0.252	0.472	0.617	0.729	0.831	0.881	0.920	0.951	0.970	0.983	0.992	0.996
2027.5	0.019	0.122	0.258	0.416	0.613	0.716	0.797	0.871	0.911	0.939	0.964	0.978	0.987	0.994	0.997
2030.0	0.024	0.144	0.344	0.527	0.712	0.808	0.871	0.925	0.950	0.966	0.983	0.990	0.995	0.998	0.999
2032.5	0.024	0.143	0.340	0.523	0.729	0.807	0.873	0.929	0.957	0.975	0.987	0.994	0.997	0.999	0.999
2035.0	0.008	0.088	0.212	0.383	0.563	0.717	0.808	0.890	0.932	0.960	0.982	0.990	0.995	0.998	0.999
2037.5	0.002	0.031	0.150	0.229	0.412	0.565	0.663	0.789	0.867	0.897	0.943	0.961	0.975	0.987	0.992
2040.0	0.001	0.015	0.055	0.130	0.276	0.425	0.511	0.677	0.764	0.831	0.895	0.929	0.952	0.974	0.984
2042.5	0.003	0.040	0.090	0.130	0.250	0.380	0.508	0.657	0.746	0.816	0.884	0.925	0.947	0.971	0.983
2045.0	0.023	0.042	0.127	0.250	0.427	0.569	0.655	0.786	0.839	0.878	0.923	0.948	0.966	0.982	0.990
2047.5	0.027	0.152	0.309	0.483	0.673	0.773	0.844	0.906	0.936	0.956	0.974	0.984	0.990	0.996	0.998
2050.0	0.054	0.237	0.407	0.653	0.817	0.898	0.932	0.964	0.978	0.987	0.993	0.996	0.998	0.999	1.000
2052.5	0.071	0.321	0.551	0.732	0.911	0.928	0.959	0.982	0.987	0.995	0.998	0.999	1.000	1.000	1.000
2055.0	0.052	0.211	0.468	0.660	0.827	0.898	0.941	0.972	0.985	0.992	0.997	0.998	0.999	1.000	1.000
2057.5	0.026	0.147	0.309	0.492	0.689	0.792	0.864	0.924	0.952	0.970	0.983	0.990	0.994	0.997	0.998
2060.0	0.004	0.067	0.136	0.265	0.458	0.598	0.663	0.774	0.837	0.885	0.925	0.951	0.968	0.982	0.989
2062.5	0.000	0.008	0.036	0.096	0.221	0.341	0.469	0.621	0.718	0.794	0.868	0.909	0.938	0.965	0.978
2065.0	0.000	0.007	0.033	0.091	0.216	0.330	0.465	0.619	0.714	0.791	0.865	0.906	0.936	0.964	0.977
2067.5	0.004	0.048	0.140	0.267	0.449	0.550	0.660	0.767	0.829	0.876	0.921	0.945	0.962	0.978	0.987
2070.0	0.077	0.080	0.219	0.398	0.613	0.734	0.823	0.894	0.929	0.952	0.972	0.982	0.989	0.994	0.997
2072.5	0.013	0.113	0.285	0.473	0.673	0.778	0.851	0.911	0.947	0.962	0.979	0.987	0.991	0.997	0.998
2075.0	0.036	0.192	0.348	0.516	0.697	0.779	0.865	0.905	0.935	0.957	0.976	0.985	0.992	0.996	0.998
2077.5	0.045	0.204	0.380	0.546	0.711	0.787	0.857	0.912	0.940	0.960	0.978	0.987	0.993	0.997	0.998
2080.0	0.034	0.234	0.416	0.579	0.740	0.820	0.876	0.926	0.951	0.969	0.984	0.991	0.995	0.998	0.999
2082.5	0.033	0.178	0.369	0.524	0.706	0.737	0.863	0.921	0.949	0.968	0.985	0.992	0.996	0.998	0.999
2085.0	0.024	0.136	0.284	0.457	0.641	0.747	0.826	0.897	0.933	0.957	0.977	0.987	0.993	0.997	0.998
2087.5	0.025	0.064	0.150	0.287	0.473	0.593	0.678	0.804	0.863	0.905	0.944	0.964	0.978	0.989	0.994
2090.0	0.001	0.019	0.072	0.175	0.347	0.485	0.609	0.741	0.815	0.870	0.921	0.948	0.967	0.982	0.990
2092.5	0.008	0.056	0.134	0.245	0.416	0.542	0.656	0.774	0.837	0.887	0.931	0.954	0.970	0.984	0.991
2095.0	0.023	0.124	0.259	0.403	0.589	0.698	0.785	0.867	0.909	0.938	0.964	0.977	0.985	0.992	0.995
2097.5	0.067	0.244	0.431	0.596	0.767	0.835	0.891	0.939	0.960	0.975	0.987	0.993	0.996	0.998	0.999
2100.0	0.109	0.264	0.466	0.625	0.773	0.844	0.896	0.939	0.959	0.974	0.987	0.993	0.996	0.998	0.999
2102.5	0.141	0.258	0.437	0.587	0.736	0.812	0.869	0.923	0.947	0.967	0.984	0.991	0.995	0.998	0.999
2105.0	0.044	0.194	0.337	0.493	0.663	0.758	0.831	0.897	0.933	0.959	0.980	0.989	0.995	0.998	0.999
2107.5	0.056	0.278	0.368	0.521	0.649	0.740	0.849	0.912	0.944	0.966	0.984	0.992	0.996	0.998	0.999
2110.0	0.045	0.173	0.311	0.460	0.632	0.736	0.813	0.887	0.925	0.951	0.973	0.984	0.990	0.995	0.997
2112.5	0.039	0.144	0.267	0.406	0.579	0.699	0.774	0.861	0.906	0.936	0.962	0.975	0.985	0.992	0.996
2115.0	0.042	0.182	0.306	0.437	0.621	0.755	0.785	0.868	0.908	0.937	0.961	0.976	0.985	0.992	0.996
2117.5	0.084	0.251	0.401	0.561	0.691	0.778	0.845	0.907	0.939	0.961	0.979	0.986	0.991	0.996	0.998
2120.0	0.097	0.272	0.460	0.635	0.747	0.822	0.878	0.930	0.957	0.975	0.987	0.994	0.997	0.999	0.999
2122.5	0.054	0.207	0.362	0.512	0.672	0.762	0.831	0.899	0.935	0.961	0.982	0.991	0.995	0.998	0.999
2125.0	0.076	0.242	0.357	0.541	0.683	0.777	0.841	0.901	0.937	0.961	0.982	0.990	0.995	0.998	0.999
2127.5	0.132	0.355	0.520	0.666	0.784	0.857	0.901	0.941	0.961	0.976	0.988	0.994	0.997	0.999	0.999
2130.0	0.179	0.456	0.643	0.777	0.883	0.927	0.954	0.976	0.985	0.991	0.996	0.998	0.999	0.999	1.000
2132.5	0.134	0.344	0.494	0.624	0.749	0.818	0.871	0.920	0.945	0.962	0.978	0.986	0.991	0.995	0.997
2135.0	0.065	0.177	0.236	0.385	0.533	0.636	0.726	0.821	0.874	0.913	0.949	0.967	0.979	0.990	0.994
2137.5	0.007	0.051	0.130	0.245	0.421	0.548	0.661	0.779	0.846	0.895	0.940	0.962	0.976	0.989	0.994
2140.0	0.025	0.119	0.234	0.364	0.531	0.641	0.734	0.831	0.885	0.924	0.958	0.974	0.985	0.993	0.996
2142.5	0.032	0.156	0.302	0.455	0.629	0.729	0.808	0.885	0.926	0.954	0.977	0.987	0.993	0.997	0.999
2145.0	0.039	0.171	0.320	0.471	0.641	0.740	0.816	0.890	0.929	0.956	0.978	0.988	0.994	0.997	0.999
2147.5	0.084	0.240	0.387	0.528	0.691	0.770	0.839	0.904	0.938	0.961	0.980	0.989	0.994	0.998	0.999
2150.0	0.098	0.275	0.431	0.577	0.718	0.799	0.861	0.919	0.948	0.968	0.984	0.991	0.995	0.998	0.999
2152.5	0.091	0.257	0.405	0.544	0.690	0.775	0.842	0.907	0.941	0.964	0.983	0.991	0.995	0.998	0.999
2155.0	0.097	0.234	0.346	0.490	0.649	0.742	0.816	0.889	0.929	0.957	0.980	0.989	0.994	0.998	0.999
2157.5	0.055	0.227	0.349	0.495	0.654	0.747	0.819	0.889	0.927	0.954	0.976	0.986	0.992	0.997	0.998
2160.0	0.058	0.240	0.358	0.504	0.683	0.755	0.825	0.891	0.926	0.951	0.973	0.983	0.990	0.996	0.998
2162.5	0.069	0.224	0.375	0.519	0.674	0.763	0.811	0.894	0.928	0.952	0.973	0.981	0.990	0.996	0.998
2165.0	0.155	0.346	0.494	0.623	0.747	0.818	0.872	0.922	0.948	0.967	0.982	0.989	0.994	0.997	0.999
2167.5	0.234	0.473	0.626	0.741	0.840	0.889	0.926	0.957	0.973	0.984	0.992	0.996	0.998	0.999	1.000
2170.0	0.279	0.526	0.677	0.781	0.868	0.911	0.940	0.966	0.978	0.987	0.994	0.997	0.998	0.999	1.000
2172.5	0.362	0.535	0.729	0.818	0.889	0.924	0.949	0.970	0.980	0.988	0.994	0.997	0.998	0.999	1.000
2175.0	0.476	0.734	0.823	0.859	0.916	0.958	0.972	0.984	0.990	0.994	0.997	0.998	0.999	1.000	1.000
2177.5	0.494	0.710	0.844	0.906	0.947	0.965	0.977	0.986	0.991	0.994	0.997	0.999	0.999	1.000	1.000
2180.0	0.395	0.630	0.760	0.861	0.905	0.935	0.955	0.973	0.982	0.989	0.995	0.997	0.998	0.999	1.000
2182.5	0.216	0.425	0.572	0.686	0.776	0.855	0.899	0.940	0.961	0.975	0.988	0.993	0.996	0.999	0.999
2185.0	0.136	0.316	0.463	0.592	0.725	0.802	0.862	0.919	0.948	0.967	0.984	0.991	0.995	0.998	0.999
2187.5	0.224	0.463	0.536	0.648	0.763	0.829	0.881	0.931	0.956	0.973	0.986	0.992	0.996	0.998	0.999
2190.0	0.351	0.563	0.684	0.773	0.852	0.895	0.927	0.958	0.974	0.984	0.992	0.996	0.998	0.999	1.000
2192.5	0.418	0.710	0.826	0.893	0.939	0.960	0.974	0.986	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2195.0	0.496	0.725	0.834	0.900	0.944	0.964	0.977	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000
2197.5	0.451	0.676	0.796	0.870	0.924	0.950	0.967	0.982	0.987	0.994	0.997	0.999	0.999	1.000	1.000
2200.0	0.371	0.579	0.728	0.815	0.887	0.923	0.949	0.971	0.982	0.990	0.995	0.998	0.999	1.000	1.000
2202.5	0.214	0.426	0.576	0.691	0.800	0.860	0.903	0.945	0.964	0.978	0.989	0.994	0.997	0.999	0.999
2205.0	0.174	0.371	0.473	0.601	0.736	0.811	0.868	0.922	0.950	0.969	0.984	0.991	0.995	0.998	0.999
2207.5	0.065	0.247	0.396	0.535	0.685	0.772	0.841	0.908	0.941	0.964	0.982	0.990	0.995	0.998	0.999
2210.0	0.088	0.250	0.397	0.534	0.683	0.777	0.842	0.910	0.945	0.967	0.985	0.992	0.996	0.998	0.999
2212.5	0.225	0.406	0.541	0.652	0.767	0.834	0.887	0.937	0.963	0.979	0.991	0.995	0.998	0.999	1.000
2215.0	0.377	0.593	0.702	0.768	0.865	0.906	0.938	0.966	0.980	0.989	0.995	0.998	0.999	0.999	1.000
2217.5	0.545	0.757	0.857	0.912	0.952	0.970	0.982	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2220.0	0.581	0.740	0.882	0.932	0.966	0.980	0.989	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000
2222.5	0.501	0.709	0.814	0.879	0.929	0.954	0.971	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2225.0	0.410	0.626	0.745	0.826	0.894	0.929	0.954	0.976	0.986	0.993	0.997	0.998	0.999	1.000	1.000
2227.5	0.292	0.511	0.649	0.750	0.843	0.893	0.929	0.961	0.977	0.987	0.994	0.997	0.998	0.999	1.000
2230.0	0.271	0.466	0.627	0.732	0.810	0.884	0.923	0.957	0.973	0.984	0.993	0.996	0.998	0.999	1.000
2232.5	0.281	0.494	0.631	0.734	0.812	0.885	0.924	0.958	0.974	0.984	0.993	0.996	0.998	0.999	1.000
2235.0	0.313	0.528	0.659	0.756	0.846	0.894	0.931	0.963	0.978	0.988	0.994	0.997	0.999	0.999	1.000
2237.5	0.438	0.645	0.758	0.833	0.897	0.931	0.955	0.977	0.987	0.993	0.997	0.999	0.999	1.000	1.000
2240.0	0.568	0.761	0.812	0.877	0.927	0.952	0.970	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2242.5	0.614	0.834	0.889	0.935	0.966	0.980	0.989	0.995	0.997	0.997	0.999	1.000	1.000	1.000	1.000
2245.0	0.582	0.777	0.866	0.919	0.956	0.972	0.983	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000

U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
2247.5	0.517	0.713	0.820	0.881	0.931	0.955	0.972	0.985	0.992	0.995	0.998	0.999	0.999	1.000	1.000
2250.0	0.442	0.656	0.768	0.843	0.907	0.939	0.961	0.980	0.988	0.994	0.997	0.999	0.999	1.000	1.000
2252.5	0.448	0.657	0.770	0.843	0.907	0.939	0.961	0.980	0.988	0.994	0.997	0.999	0.999	1.000	1.000
2255.0	0.495	0.701	0.803	0.869	0.923	0.950	0.968	0.983	0.991	0.995	0.998	0.999	0.999	1.000	1.000
2257.5	0.524	0.721	0.821	0.881	0.930	0.954	0.970	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2260.0	0.515	0.765	0.852	0.904	0.944	0.964	0.977	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2262.5	0.635	0.810	0.888	0.929	0.959	0.974	0.984	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2265.0	0.762	0.867	0.930	0.960	0.979	0.988	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2267.5	0.635	0.807	0.886	0.928	0.961	0.976	0.985	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2270.0	0.553	0.739	0.831	0.889	0.937	0.960	0.975	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000
2272.5	0.520	0.714	0.813	0.876	0.930	0.955	0.972	0.986	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2275.0	0.573	0.762	0.849	0.902	0.945	0.965	0.979	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2277.5	0.603	0.791	0.871	0.917	0.952	0.969	0.981	0.991	0.995	0.998	0.999	1.000	1.000	1.000	1.000
2280.0	0.535	0.748	0.837	0.891	0.935	0.957	0.974	0.988	0.993	0.997	0.999	0.999	1.000	1.000	1.000
2282.5	0.550	0.745	0.836	0.891	0.936	0.958	0.975	0.988	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2285.0	0.603	0.732	0.872	0.919	0.954	0.971	0.983	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2287.5	0.667	0.846	0.917	0.953	0.978	0.988	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2290.0	0.630	0.817	0.893	0.937	0.968	0.981	0.988	0.994	0.997	0.995	0.999	1.000	1.000	1.000	1.000
2292.5	0.597	0.795	0.870	0.919	0.956	0.972	0.982	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2295.0	0.581	0.772	0.857	0.907	0.946	0.965	0.977	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2297.5	0.615	0.797	0.875	0.919	0.952	0.968	0.979	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2300.0	0.635	0.813	0.886	0.927	0.958	0.972	0.982	0.991	0.995	0.998	0.999	0.999	1.000	1.000	1.000
2302.5	0.612	0.791	0.869	0.915	0.952	0.970	0.982	0.992	0.995	0.998	0.999	1.000	1.000	1.000	1.000
2305.0	0.619	0.796	0.871	0.918	0.956	0.974	0.985	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2307.5	0.644	0.815	0.887	0.930	0.964	0.979	0.988	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000
2310.0	0.745	0.867	0.928	0.960	0.982	0.990	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2312.5	0.711	0.874	0.933	0.962	0.981	0.988	0.991	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2315.0	0.681	0.844	0.915	0.947	0.971	0.981	0.989	0.995	0.997	0.999	[illegible]	1.000	1.000	1.000	1.000
2317.5	0.678	0.845	0.908	0.945	0.968	0.979	0.987	0.994	0.997	0.998	[illegible]	1.000	1.000	1.000	1.000
2320.0	0.706	0.866	0.924	0.953	0.975	0.984	0.991	0.996	0.998	0.999	[illegible]	1.000	1.000	1.000	1.000
2322.5	0.714	0.870	0.927	0.955	0.977	0.987	0.993	0.997	0.998	0.999	1.000	[illegible]	1.000	1.000	1.000
2325.0	0.683	0.846	0.909	0.944	0.971	0.983	0.991	0.996	0.998	0.999	1.000	[illegible]	1.000	1.000	1.000
2327.5	0.680	0.845	0.912	0.947	0.974	0.985	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2330.0	0.666	0.836	0.905	0.942	0.969	0.981	0.989	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000
2332.5	0.671	0.846	0.911	0.944	0.968	0.979	0.987	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2335.0	0.675	0.837	0.903	0.937	0.963	0.976	0.985	0.993	0.995	0.998	0.999	1.000	1.000	1.000	1.000
2337.5	0.667	0.833	0.898	0.933	0.961	0.975	0.985	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2340.0	0.672	0.837	0.905	0.939	0.966	0.979	0.988	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000
2342.5	0.704	0.862	0.922	0.952	0.974	0.984	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2345.0	0.743	0.882	0.944	0.968	0.984	0.991	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2347.5	0.760	0.902	0.950	0.972	0.987	0.993	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2350.0	0.758	0.901	0.950	0.972	0.987	0.991	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2352.5	0.757	0.901	0.949	0.971	0.986	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2355.0	0.745	0.890	0.940	0.964	0.982	0.989	0.994	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2357.5	0.726	0.876	0.929	0.956	0.977	0.987	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2360.0	0.730	0.881	0.935	0.961	0.981	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2362.5	0.663	0.846	0.913	0.930	0.960	0.973	0.982	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000
2365.0	0.572	0.755	0.839	0.891	0.934	0.955	0.969	0.982	0.988	0.993	0.997	0.998	0.999	1.000	1.000
2367.5	0.581	0.761	0.841	0.892	0.934	0.955	0.969	0.982	0.988	0.993	0.997	0.998	0.999	1.000	1.000
2370.0	0.765	0.853	0.910	0.941	0.965	0.977	0.984	0.991	0.994	0.996	0.998	0.999	1.000	1.000	1.000
2372.5	0.828	0.946	0.979	0.990	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2375.0	0.860	0.956	0.985	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2377.5	0.809	0.934	0.970	0.985	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2380.0	0.782	0.915	0.958	0.977	0.990	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2382.5	0.781	0.912	0.955	0.975	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2385.0	0.869	0.926	0.964	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2387.5	0.756	0.892	0.938	0.961	0.979	0.986	0.991	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2390.0	0.651	0.844	0.905	0.938	0.964	0.976	0.984	0.992	0.995	0.998	0.999	0.999	1.000	1.000	1.000
2392.5	0.765	0.854	0.911	0.941	0.965	0.977	0.985	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000
2395.0	0.783	0.904	0.950	0.969	0.982	0.988	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2397.5	0.856	0.962	0.987	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2400.0	0.853	0.958	0.984	0.993	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2402.5	0.819	0.951	0.980	0.991	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2405.0	0.830	0.947	0.977	0.990	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2407.5	0.827	0.947	0.978	0.990	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2410.0	0.737	0.916	0.962	0.979	0.989	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2412.5	0.760	0.928	0.949	0.968	0.983	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2415.0	0.767	0.913	0.951	0.970	0.984	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2417.5	0.810	0.940	0.970	0.983	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2420.0	0.854	0.951	0.985	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2422.5	0.857	0.951	0.980	0.991	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2425.0	0.826	0.946	0.974	0.990	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2427.5	0.729	0.871	0.919	0.947	0.969	0.978	0.985	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000
2430.0	0.637	0.796	0.864	0.906	0.941	0.959	0.971	0.983	0.989	0.993	0.997	0.998	0.999	1.000	1.000
2432.5	0.645	0.812	0.865	0.907	0.942	0.959	0.971	0.981	0.989	0.993	0.997	0.998	0.999	1.000	1.000
2435.0	0.774	0.865	0.915	0.944	0.967	0.977	0.985	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000
2437.5	0.810	0.912	0.965	0.981	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2440.0	0.814	0.934	0.967	0.982	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2442.5	0.845	0.953	0.978	0.990	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2445.0	0.870	0.968	0.989	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2447.5	0.870	0.960	0.986	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2450.0	0.757	0.916	0.951	0.969	0.982	0.988	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2452.5	0.710	0.867	0.914	0.943	0.966	0.977	0.984	0.992	0.995	0.998	0.999	0.999	1.000	1.000	1.000
2455.0	0.735	0.869	0.916	0.944	0.966	0.977	0.985	0.992	0.995	0.998	0.999	0.999	1.000	1.000	1.000
2457.5	0.810	0.921	0.951	0.971	0.983	0.988	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2460.0	0.868	0.965	0.986	0.995	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2462.5	0.856	0.958	0.982	0.993	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2465.0	0.851	0.956	0.981	0.992	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2467.5	0.861	0.962	0.984	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2470.0	0.875	0.967	0.989	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2472.5	0.929	0.972	0.989	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2475.0	0.863	0.946	0.971	0.983	0.991	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2477.5	0.801	0.917	0.950	0.969	0.983	0.989	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2480.0	0.744	0.914	0.949	0.968	0.982	0.989	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2482.5	0.811	0.940	0.967	0.981	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2485.0	0.872	0.966	0.986	0.996	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2487.5	0.880	0.972	0.989	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2490.0	0.882	0.973	0.991	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2492.5	0.880	0.972	0.990	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2495.0	0.876	0.971	0.990	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2497.5	0.854	0.955	0.978	0.989	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2500.0	0.830	0.936	0.966	0.982	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2502.5	0.836	0.940	0.966	0.983	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2505.0	0.861	0.957	0.980	0.990	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2507.5	0.887	0.974	0.991	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2510.0	0.886	0.975	0.991	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2512.5	0.889	0.975	0.991	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2515.0	0.877	0.968	0.988	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2517.5	0.856	0.959	0.982	0.993	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2520.0	0.847	0.953	0.980	0.991	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2522.5	0.850	0.954	0.980	0.991	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2525.0	0.861	0.959	0.982	0.992	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2527.5	0.872	0.965	0.985	0.994	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2530.0	0.880	0.967	0.989	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2532.5	0.885	0.974	0.991	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2535.0	0.847	0.951	0.978	0.990	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2537.5	0.814	0.932	0.966	0.983	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2540.0	0.817	0.932	0.967	0.984	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2542.5	0.854	0.955	0.979	0.990	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2545.0	0.851	0.948	0.975	0.986	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2547.5	0.811	0.923	0.956	0.970	0.986	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2550.0	0.806	0.918	0.952	0.970	0.983	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2552.5	0.805	0.922	0.956	0.974	0.985	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2555.0	0.749	0.917	0.951	0.975	0.990	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2557.5	0.773	0.901	0.945	0.970	0.988	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000

U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
2560.0	0.810	0.922	0.959	0.978	0.991	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2562.5	0.863	0.956	0.980	0.990	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2565.0	0.883	0.970	0.990	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2567.5	0.857	0.955	0.978	0.988	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2570.0	0.813	0.925	0.960	0.978	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2572.5	0.741	0.875	0.925	0.956	0.980	0.989	0.995	0.998	0.999	0.998	1.000	1.000	1.000	1.000	1.000
2575.0	0.706	0.850	0.906	0.945	0.975	0.987	0.993	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2577.5	0.746	0.878	0.925	0.955	0.980	0.989	0.994	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2580.0	0.815	0.925	0.957	0.977	0.990	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2582.5	0.867	0.963	0.984	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2585.0	0.861	0.928	0.933	0.942	0.988	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2587.5	0.839	0.946	0.974	0.987	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2590.0	0.748	0.877	0.928	0.957	0.980	0.989	0.994	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2592.5	0.670	0.821	0.886	0.929	0.965	0.981	0.990	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2595.0	0.677	0.823	0.887	0.929	0.965	0.981	0.990	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2597.5	0.757	0.869	0.931	0.958	0.981	0.990	0.994	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2600.0	0.834	0.941	0.972	0.986	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2602.5	0.850	0.951	0.978	0.989	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2605.0	0.839	0.946	0.975	0.988	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2607.5	0.730	0.865	0.915	0.947	0.974	0.985	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2610.0	0.624	0.764	0.856	0.906	0.951	0.972	0.985	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2612.5	0.630	0.766	0.856	0.905	0.951	0.972	0.985	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2615.0	0.717	0.855	0.908	0.942	0.972	0.984	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2617.5	0.811	0.928	0.963	0.981	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2620.0	0.811	0.927	0.964	0.982	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2622.5	0.809	0.924	0.960	0.978	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2625.0	0.706	0.841	0.897	0.933	0.965	0.980	0.989	0.995	0.995	0.999	0.999	1.000	1.000	1.000	1.000
2627.5	0.602	0.767	0.836	0.890	0.940	0.964	0.980	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2630.0	0.598	0.754	0.837	0.890	0.940	0.964	0.980	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2632.5	0.691	0.836	0.895	0.933	0.966	0.980	0.989	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2635.0	0.860	0.915	0.957	0.978	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2637.5	0.838	0.943	0.972	0.986	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2640.0	0.841	0.942	0.971	0.984	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2642.5	0.700	0.833	0.887	0.925	0.960	0.976	0.986	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2645.0	0.553	0.719	0.804	0.867	0.926	0.955	0.974	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2647.5	0.552	0.721	0.805	0.867	0.926	0.955	0.975	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2650.0	0.665	0.825	0.885	0.924	0.960	0.976	0.986	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2652.5	0.832	0.918	0.958	0.983	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2655.0	0.845	0.945	0.973	0.986	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2657.5	0.769	0.888	0.930	0.956	0.979	0.988	0.993	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2660.0	0.611	0.765	0.840	0.893	0.942	0.765	0.960	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2662.5	0.526	0.701	0.794	0.860	0.922	0.953	0.973	0.988	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2665.0	0.618	0.770	0.843	0.893	0.940	0.963	0.979	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2667.5	0.765	0.900	0.929	0.954	0.976	0.985	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2670.0	0.839	0.940	0.970	0.984	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2672.5	0.783	0.902	0.943	0.966	0.986	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2675.0	0.635	0.786	0.857	0.905	0.950	0.971	0.984	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2677.5	0.534	0.760	0.797	0.862	0.923	0.954	0.974	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2680.0	0.592	0.748	0.825	0.880	0.932	0.959	0.976	0.990	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2682.5	0.748	0.868	0.914	0.943	0.968	0.981	0.989	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000
2685.0	0.843	0.942	0.972	0.985	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2687.5	0.789	0.907	0.947	0.969	0.986	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2690.0	0.705	0.847	0.906	0.943	0.972	0.985	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2692.5	0.620	0.764	0.859	0.908	0.952	0.973	0.985	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000
2695.0	0.592	0.763	0.844	0.897	0.944	0.967	0.982	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2697.5	0.639	0.802	0.873	0.918	0.955	0.974	0.985	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2700.0	0.668	0.830	0.899	0.939	0.970	0.983	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2702.5	0.603	0.787	0.870	0.923	0.965	0.982	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2705.0	0.460	0.664	0.779	0.861	0.933	0.964	0.981	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2707.5	0.369	0.573	0.706	0.810	0.904	0.948	0.972	0.988	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2710.0	0.327	0.540	0.678	0.787	0.890	0.939	0.967	0.986	0.993	0.997	0.999	0.999	1.000	1.000	1.000
2712.5	0.305	0.514	0.651	0.766	0.876	0.929	0.962	0.984	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2715.0	0.250	0.447	0.586	0.704	0.830	0.897	0.942	0.974	0.987	0.993	0.997	0.999	0.999	1.000	1.000
2717.5	0.156	0.326	0.468	0.601	0.751	0.845	0.904	0.956	0.977	0.988	0.995	0.998	0.999	1.000	1.000
2720.0	0.069	0.212	0.368	0.506	0.673	0.779	0.861	0.933	0.964	0.981	0.992	0.996	0.998	0.999	1.000
2722.5	0.078	0.216	0.350	0.488	0.654	0.760	0.845	0.924	0.959	0.978	0.991	0.995	0.998	0.999	1.000
2725.0	0.210	0.367	0.491	0.606	0.715	0.815	0.879	0.940	0.967	0.983	0.993	0.996	0.998	0.999	1.000
2727.5	0.458	0.617	0.711	0.785	0.861	0.904	0.938	0.969	0.983	0.991	0.996	0.998	0.999	1.000	1.000
2730.0	0.668	0.820	0.865	0.925	0.957	0.973	0.984	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2732.5	0.718	0.860	0.916	0.949	0.975	0.987	0.993	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2735.0	0.636	0.777	0.870	0.917	0.958	0.977	0.988	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000
2737.5	0.547	0.725	0.815	0.880	0.939	0.966	0.982	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2740.0	0.523	0.706	0.803	0.873	0.935	0.964	0.981	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2742.5	0.591	0.757	0.840	0.899	0.950	0.973	0.986	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2745.0	0.661	0.817	0.888	0.933	0.967	0.983	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2747.5	0.681	0.834	0.901	0.942	0.973	0.986	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2750.0	0.640	0.804	0.879	0.926	0.964	0.981	0.990	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2752.5	0.646	0.774	0.853	0.905	0.950	0.971	0.984	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2755.0	0.623	0.744	0.858	0.906	0.947	0.968	0.982	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2757.5	0.694	0.833	0.893	0.929	0.960	0.975	0.986	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000
2760.0	0.760	0.866	0.934	0.960	0.979	0.988	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2762.5	0.743	0.874	0.927	0.959	0.982	0.991	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2765.0	0.650	0.807	0.881	0.930	0.968	0.984	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.003	1.000
2767.5	0.534	0.715	0.811	0.879	0.937	0.964	0.980	0.991	0.995	0.996	0.999	1.000	1.000	1.000	1.000
2770.0	0.496	0.684	0.786	0.858	0.921	0.952	0.972	0.987	0.993	0.997	0.999	0.999	1.000	1.000	1.000
2772.5	0.585	0.750	0.832	0.887	0.935	0.960	0.976	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2775.0	0.704	0.845	0.905	0.940	0.967	0.980	0.988	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000
2777.5	0.806	0.925	0.965	0.984	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2780.0	0.752	0.886	0.938	0.965	0.983	0.991	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2782.5	0.557	0.713	0.796	0.855	0.911	0.942	0.965	0.984	0.991	0.996	0.998	0.999	1.000	1.000	1.000
2785.0	0.356	0.534	0.650	0.742	0.837	0.892	0.934	0.969	0.984	0.992	0.997	0.998	0.999	1.000	1.000
2787.5	0.313	0.496	0.621	0.722	0.825	0.885	0.930	0.967	0.983	0.991	0.996	0.998	0.999	1.000	1.000
2790.0	0.450	0.630	0.734	0.812	0.882	0.928	0.957	0.980	0.990	0.995	0.998	0.999	0.999	1.000	1.000
2792.5	0.513	0.699	0.795	0.863	0.925	0.955	0.974	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2795.0	0.366	0.572	0.684	0.775	0.865	0.915	0.949	0.977	0.988	0.994	0.998	0.999	0.999	1.000	1.000
2797.5	0.242	0.431	0.568	0.686	0.810	0.879	0.928	0.967	0.983	0.991	0.996	0.998	0.999	1.000	1.000
2800.0	0.265	0.454	0.589	0.706	0.826	0.891	0.936	0.971	0.985	0.992	0.997	0.998	0.999	1.000	1.000
2802.5	0.417	0.607	0.723	0.814	0.899	0.941	0.966	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2805.0	0.579	0.781	0.852	0.913	0.960	0.980	0.989	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2807.5	0.615	0.791	0.873	0.924	0.965	0.981	0.990	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2810.0	0.459	0.680	0.779	0.850	0.915	0.949	0.971	0.987	0.993	0.997	0.999	0.999	1.000	1.000	1.000
2812.5	0.347	0.538	0.659	0.756	0.859	0.909	0.947	0.977	0.988	0.994	0.997	0.999	0.999	1.000	1.000
2815.0	0.293	0.498	0.628	0.735	0.842	0.902	0.943	0.975	0.987	0.993	0.997	0.999	0.999	1.000	1.000
2817.5	0.432	0.618	0.728	0.811	0.892	0.934	0.963	0.984	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2820.0	0.602	0.772	0.855	0.910	0.955	0.975	0.987	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000
2822.5	0.590	0.760	0.844	0.899	0.946	0.969	0.983	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2825.0	0.469	0.674	0.774	0.847	0.913	0.947	0.970	0.987	0.993	0.997	0.999	0.999	1.000	1.000	1.000
2827.5	0.431	0.640	0.742	0.823	0.899	0.939	0.965	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2830.0	0.497	0.688	0.784	0.859	0.921	0.953	0.973	0.988	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2832.5	0.564	0.748	0.838	0.897	0.944	0.967	0.981	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2835.0	0.484	0.675	0.777	0.849	0.915	0.949	0.971	0.987	0.993	0.997	0.999	0.999	1.000	1.000	1.000
2837.5	0.319	0.574	0.694	0.786	0.878	0.927	0.959	0.982	0.991	0.995	0.998	0.999	1.000	1.000	1.000
2840.0	0.303	0.504	0.636	0.744	0.855	0.915	0.953	0.980	0.990	0.995	0.998	0.999	0.999	1.000	1.000
2842.5	0.341	0.542	0.669	0.771	0.875	0.928	0.961	0.983	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2845.0	0.398	0.603	0.726	0.817	0.903	0.944	0.969	0.987	0.993	0.997	0.999	0.999	1.000	1.000	1.000
2847.5	0.390	0.598	0.722	0.815	0.900	0.941	0.967	0.986	0.993	0.996	0.998	0.999	1.000	1.000	1.000
2850.0	0.403	0.611	0.732	0.821	0.902	0.942	0.968	0.986	0.993	0.996	0.999	0.999	1.000	1.000	1.000
2852.5	0.465	0.659	0.767	0.843	0.914	0.948	0.970	0.987	0.993	0.996	0.999	0.999	1.000	1.000	1.000
2855.0	0.506	0.697	0.796	0.862	0.921	0.950	0.969	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2857.5	0.501	0.693	0.792	0.857	0.915	0.944	0.964	0.982	0.990	0.995	0.998	0.999	0.999	1.000	1.000
2860.0	0.427	0.628	0.742	0.824	0.899	0.936	0.961	0.981	0.990	0.996	0.798	0.999	0.999	1.000	1.000
2862.5	0.412	0.615	0.734	0.820	0.901	0.940	0.965	0.984	0.991	0.996	0.998	0.999	1.000	1.000	1.000
2865.0	0.469	0.664	0.772	0.849	0.919	0.952	0.973	0.988	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2867.5	0.538	0.724	0.820	0.883	0.938	0.963	0.979	0.991	0.995	0.998	0.999	1.000	1.000	1.000	1.000
2870.0	0.588	0.773	0.860	0.913	0.957	0.976	0.987	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000

WATER VAPOR AT 0.20 ATMOSPHERE PRESSURE

T=300° K

U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
2672.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2675.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2677.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2680.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2682.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2685.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2687.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2690.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2692.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2695.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2697.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2700.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2702.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2705.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2707.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2710.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2712.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2715.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2717.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2720.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2722.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2725.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2727.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2730.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2732.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2735.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2737.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2740.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2742.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2745.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2747.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2750.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2752.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2755.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2757.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2760.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2762.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2765.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2767.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2770.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2772.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2775.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2777.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2780.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2782.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2785.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2787.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2790.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2792.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2795.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2797.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2800.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2802.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2805.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2807.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2810.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2812.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2815.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2817.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2820.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2822.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2825.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2827.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2830.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2832.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2835.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2837.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2840.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2842.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2845.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2847.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2850.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2852.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2855.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2857.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2860.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2862.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2865.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2867.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2870.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2872.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2875.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2877.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2880.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2882.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2885.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2887.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2890.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2892.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2895.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2897.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2900.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2902.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2905.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2907.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2910.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2912.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2915.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2917.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2920.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2922.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2925.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2927.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2930.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2932.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2935.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2937.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2940.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2942.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2945.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2947.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2950.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2952.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2955.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2957.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2960.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2962.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2965.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2967.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2970.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2972.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2975.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2977.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2980.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2982.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2985.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2987.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2990.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2992.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2995.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
2997.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
3000.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000

U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
3002.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
3005.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
3007.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
3010.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
3012.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
3015.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
3017.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
3020.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
3022.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
3025.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
3027.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
3030.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
3032.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
3035.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
3037.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
3040.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
3042.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
3045.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
3047.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
3050.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
3052.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
3055.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
3057.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
3060.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
3062.5	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
3065.0	0.965	0.961	0.870	0.698	0.498	0.337	0.172	0.067	0.033	0.998	0.999	0.999	1.000	1.000	1.000
3067.5	0.965	0.961	0.

WATER VAPOR AT 0.10 ATMOSPHERE PRESSURE

T=300° K

WATER VAPOR AT 0.10 ATMOSPHERE PRESSURE

T=300° K

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
								UNITS CM-1							

WATER VAPOR AT 0.10 ATMOSPHERE PRESSURE

T=300° K

WATER VAPOR AT 0.05 ATMOSPHERE PRESSURE

T=300° K

WATER VAPOR AT 0.05 ATMOSPHERE PRESSURE

T=300° K

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
						UPR.CM.]									
1935.0	0.010	0.103	0.245	0.458	0.635	0.788	0.863	0.922	0.964	0.984	0.995	0.998	0.999	0.999	0.999
1937.5	0.009	0.094	0.228	0.441	0.622	0.781	0.856	0.919	0.963	0.983	0.994	0.998	0.999	0.999	0.999
1940.0	0.008	0.085	0.211	0.424	0.608	0.773	0.849	0.916	0.962	0.982	0.993	0.997	0.999	0.999	0.999
1942.5	0.007	0.077	0.195	0.407	0.594	0.765	0.842	0.913	0.961	0.981	0.993	0.997	0.999	0.999	0.999
1945.0	0.006	0.069	0.180	0.391	0.580	0.757	0.835	0.910	0.959	0.980	0.992	0.997	0.999	0.999	0.999
1947.5	0.005	0.063	0.165	0.376	0.566	0.749	0.828	0.907	0.958	0.979	0.992	0.996	0.999	0.999	0.999
1950.0	0.005	0.056	0.151	0.360	0.552	0.740	0.821	0.904	0.956	0.978	0.991	0.996	0.999	0.999	0.999
1952.5	0.004	0.050	0.138	0.346	0.538	0.732	0.814	0.901	0.955	0.977	0.991	0.996	0.999	0.999	0.999
1955.0	0.003	0.045	0.126	0.331	0.524	0.724	0.807	0.898	0.953	0.976	0.990	0.995	0.999	0.999	0.999
1957.5	0.003	0.040	0.115	0.317	0.510	0.715	0.800	0.895	0.952	0.975	0.990	0.995	0.999	0.999	0.999
1960.0	0.002	0.035	0.104	0.304	0.496	0.707	0.793	0.892	0.950	0.974	0.989	0.995	0.999	0.999	0.999
1962.5	0.002	0.031	0.094	0.290	0.482	0.698	0.786	0.889	0.949	0.973	0.989	0.994	0.999	0.999	0.999
1965.0	0.002	0.028	0.085	0.277	0.468	0.689	0.779	0.886	0.947	0.972	0.988	0.994	0.999	0.999	0.999
1967.5	0.002	0.025	0.077	0.264	0.454	0.680	0.772	0.882	0.945	0.971	0.988	0.994	0.999	0.999	0.999
1970.0	0.001	0.022	0.069	0.252	0.441	0.671	0.765	0.879	0.944	0.970	0.987	0.993	0.999	0.999	0.999
1972.5	0.001	0.020	0.062	0.240	0.427	0.662	0.758	0.876	0.942	0.969	0.987	0.993	0.999	0.999	0.999
1975.0	0.001	0.018	0.055	0.228	0.414	0.653	0.751	0.873	0.940	0.968	0.986	0.993	0.999	0.999	0.999
1977.5	0.001	0.016	0.050	0.217	0.401	0.643	0.744	0.869	0.938	0.967	0.986	0.992	0.999	0.999	0.999
1980.0	0.001	0.014	0.044	0.206	0.388	0.634	0.737	0.866	0.936	0.966	0.985	0.992	0.999	0.999	0.999
1982.5	0.000	0.013	0.040	0.196	0.376	0.624	0.730	0.862	0.934	0.965	0.985	0.992	0.999	0.999	0.999
1985.0	0.000	0.011	0.035	0.186	0.363	0.615	0.723	0.859	0.932	0.964	0.984	0.991	0.999	0.999	0.999
1987.5	0.000	0.010	0.032	0.176	0.351	0.605	0.716	0.855	0.930	0.963	0.984	0.991	0.999	0.999	0.999
1990.0	0.000	0.009	0.028	0.167	0.339	0.595	0.709	0.851	0.928	0.962	0.983	0.991	0.999	0.999	0.999
1992.5	0.000	0.008	0.025	0.158	0.328	0.586	0.702	0.847	0.926	0.961	0.983	0.990	0.999	0.999	0.999
1995.0	0.000	0.007	0.023	0.149	0.316	0.576	0.695	0.843	0.924	0.960	0.982	0.990	0.999	0.999	0.999
1997.5	0.000	0.006	0.020	0.141	0.305	0.566	0.688	0.839	0.922	0.959	0.982	0.990	0.999	0.999	0.999
2000.0	0.000	0.006	0.018	0.133	0.294	0.556	0.681	0.835	0.920	0.958	0.981	0.989	0.999	0.999	0.999
2002.5	0.000	0.005	0.016	0.126	0.283	0.546	0.674	0.831	0.918	0.957	0.981	0.989	0.999	0.999	0.999
2005.0	0.000	0.004	0.015	0.119	0.273	0.536	0.667	0.827	0.916	0.956	0.980	0.989	0.999	0.999	0.999
2007.5	0.000	0.004	0.013	0.112	0.263	0.526	0.660	0.823	0.914	0.955	0.980	0.988	0.999	0.999	0.999
2010.0	0.000	0.003	0.012	0.106	0.253	0.516	0.653	0.819	0.912	0.954	0.979	0.988	0.999	0.999	0.999
2012.5	0.000	0.003	0.011	0.100	0.243	0.506	0.646	0.815	0.910	0.953	0.979	0.988	0.999	0.999	0.999
2015.0	0.000	0.003	0.010	0.094	0.234	0.496	0.639	0.811	0.908	0.952	0.978	0.987	0.999	0.999	0.999
2017.5	0.000	0.002	0.009	0.089	0.225	0.486	0.633	0.807	0.906	0.951	0.978	0.987	0.999	0.999	0.999
2020.0	0.000	0.002	0.008	0.084	0.216	0.476	0.626	0.803	0.904	0.950	0.977	0.987	0.999	0.999	0.999
2022.5	0.000	0.002	0.007	0.079	0.207	0.466	0.619	0.799	0.902	0.949	0.977	0.986	0.999	0.999	0.999
2025.0	0.000	0.002	0.007	0.074	0.199	0.457	0.613	0.795	0.900	0.948	0.976	0.986	0.999	0.999	0.999
2027.5	0.000	0.001	0.006	0.070	0.191	0.447	0.606	0.791	0.898	0.947	0.976	0.986	0.999	0.999	0.999
2030.0	0.000	0.001	0.006	0.066	0.183	0.438	0.600	0.787	0.896	0.946	0.975	0.985	0.999	0.999	0.999
2032.5	0.000	0.001	0.005	0.062	0.175	0.429	0.593	0.783	0.894	0.945	0.975	0.985	0.999	0.999	0.999
2035.0	0.000	0.001	0.005	0.058	0.168	0.420	0.587	0.779	0.892	0.944	0.974	0.985	0.999	0.999	0.999
2037.5	0.000	0.001	0.004	0.054	0.161	0.411	0.581	0.775	0.890	0.943	0.974	0.984	0.999	0.999	0.999
2040.0	0.000	0.001	0.004	0.051	0.154	0.403	0.575	0.771	0.888	0.942	0.973	0.984	0.999	0.999	0.999
2042.5	0.000	0.001	0.004	0.048	0.147	0.394	0.569	0.767	0.886	0.941	0.973	0.984	0.999	0.999	0.999
2045.0	0.000	0.001	0.003	0.045	0.141	0.386	0.563	0.763	0.884	0.940	0.972	0.983	0.999	0.999	0.999
2047.5	0.000	0.001	0.003	0.042	0.134	0.378	0.557	0.759	0.882	0.939	0.972	0.983	0.999	0.999	0.999
2050.0	0.000	0.001	0.003	0.039	0.128	0.370	0.551	0.755	0.880	0.938	0.971	0.983	0.999	0.999	0.999
2052.5	0.000	0.000	0.002	0.037	0.122	0.362	0.545	0.751	0.878	0.937	0.971	0.982	0.999	0.999	0.999
2055.0	0.000	0.000	0.002	0.034	0.116	0.354	0.540	0.747	0.876	0.936	0.970	0.982	0.999	0.999	0.999
2057.5	0.000	0.000	0.002	0.032	0.111	0.347	0.534	0.743	0.874	0.935	0.970	0.982	0.999	0.999	0.999
2060.0	0.000	0.000	0.002	0.030	0.105	0.339	0.528	0.739	0.872	0.934	0.969	0.981	0.999	0.999	0.999
2062.5	0.000	0.000	0.002	0.028	0.100	0.332	0.523	0.735	0.870	0.933	0.969	0.981	0.999	0.999	0.999
2065.0	0.000	0.000	0.001	0.026	0.095	0.325	0.517	0.731	0.868	0.932	0.968	0.981	0.999	0.999	0.999
2067.5	0.000	0.000	0.001	0.024	0.091	0.318	0.512	0.727	0.866	0.931	0.968	0.980	0.999	0.999	0.999
2070.0	0.000	0.000	0.001	0.022	0.086	0.311	0.507	0.723	0.864	0.930	0.967	0.980	0.999	0.999	0.999
2072.5	0.000	0.000	0.001	0.021	0.082	0.304	0.501	0.719	0.862	0.929	0.967	0.980	0.999	0.999	0.999
2075.0	0.000	0.000	0.001	0.019	0.078	0.298	0.496	0.715	0.860	0.928	0.966	0.979	0.999	0.999	0.999
2077.5	0.000	0.000	0.001	0.018	0.074	0.291	0.491	0.711	0.858	0.927	0.966	0.979	0.999	0.999	0.999
2080.0	0.000	0.000	0.001	0.017	0.070	0.285	0.486	0.707	0.856	0.926	0.965	0.979	0.999	0.999	0.999
2082.5	0.000	0.000	0.001	0.016	0.067	0.279	0.481	0.703	0.854	0.925	0.965	0.978	0.999	0.999	0.999
2085.0	0.000	0.000	0.001	0.015	0.063	0.273	0.476	0.699	0.852	0.924	0.964	0.978	0.999	0.999	0.999
2087.5	0.000	0.000	0.001	0.014	0.060	0.267	0.471	0.695	0.850	0.923	0.964	0.978	0.999	0.999	0.999
2090.0	0.000	0.000	0.001	0.013	0.057	0.262	0.466	0.691	0.848	0.922	0.963	0.977	0.999	0.999	0.999
2092.5	0.000	0.000	0.001	0.012	0.054	0.256	0.461	0.687	0.846	0.921	0.963	0.977	0.999	0.999	0.999
2095.0	0.000	0.000	0.000	0.011	0.051	0.251	0.456	0.683	0.844	0.920	0.962	0.977	0.999	0.999	0.999
2097.5	0.000	0.000	0.000	0.010	0.049	0.246	0.451	0.679	0.842	0.919	0.962	0.976	0.999	0.999	0.999
2100.0	0.000	0.000	0.000	0.010	0.046	0.241	0.446	0.675	0.840	0.918	0.961	0.976	0.999	0.999	0.999
2102.5	0.000	0.000	0.000	0.009	0.044	0.236	0.441	0.671	0.838	0.917	0.961	0.976	0.999	0.999	0.999
2105.0	0.000	0.000	0.000	0.008	0.042	0.231	0.436	0.667	0.836	0.916	0.960	0.975	0.999	0.999	0.999
2107.5	0.000	0.000	0.000	0.008	0.040	0.226	0.431	0.663	0.834	0.915	0.960	0.975	0.999	0.999	0.999
2110.0	0.000	0.000	0.000	0.007	0.038	0.221	0.426	0.659	0.832	0.914	0.959	0.975	0.999	0.999	0.999
2112.5	0.000	0.000	0.000	0.007	0.036	0.217	0.421	0.655	0.830	0.913	0.959	0.974	0.999	0.999	0.999
2115.0	0.000	0.000	0.000	0.006	0.034	0.212	0.416	0.651	0.828	0.912	0.958	0.974	0.999	0.999	0.999
2117.5	0.000	0.000	0.000	0.006	0.032	0.208	0.411	0.647	0.826	0.911	0.958	0.974	0.999	0.999	0.999
2120.0	0.000	0.000	0.000	0.005	0.031	0.203	0.406	0.643	0.824	0.910	0.957	0.973	0.999	0.999	0.999
2122.5	0.000	0.000	0.000	0.005	0.029	0.199	0.401	0.639	0.822	0.909	0.957	0.973	0.999	0.999	0.999
2125.0	0.000	0.000	0.000	0.004	0.028	0.195	0.396	0.635	0.820	0.908	0.956	0.973	0.999	0.999	0.999
2127.5	0.000	0.000	0.000	0.004	0.026	0.191	0.391	0.631	0.818	0.907	0.956	0.972	0.999	0.999	0.999
2130.0	0.000	0.000	0.000	0.004	0.025	0.187	0.386	0.627	0.816	0.906	0.955	0.972	0.999	0.999	0.999
2132.5	0.000	0.000	0.000	0.003	0.024	0.183	0.381	0.623	0.814	0.905	0.955	0.972	0.999	0.999	0.999
2135.0	0.000	0.000	0.000	0.003	0.023	0.179	0.376	0.619	0.812	0.904	0.954	0.971	0.999	0.999	0.999
2137.5	0.000	0.000	0.000	0.003	0.022	0.175	0.372	0.615	0.810	0.903	0.954	0.971	0.999	0.999	0.999
2140.0	0.000	0.000	0.000	0.002	0.021	0.171	0.367	0.611	0.808	0.902	0.953	0.971	0.999	0.999	0.999
2142.5	0.000	0.000	0.000	0.002	0.020	0.167	0.362	0.607	0.806	0.901	0.953	0.970	0.999	0.999	0.999
2145.0	0.000	0.000	0.000	0.002	0.019	0.163	0.357	0.603	0.804	0.900	0.952	0.970	0.999	0.999	0.999
2147.5	0.000	0.000	0.000	0.002	0.018	0.159	0.353	0.599	0.802	0.899	0.952	0.970	0.999	0.999	0.999
2150.0	0.000	0.000	0.000	0.002	0.017	0.155	0.348	0.595	0.800	0.898	0.951	0.969	0.999	0.999	0.999
2152.5	0.000	0.000	0.000	0.001	0.016	0.151	0.343	0.591	0.798	0.897	0.951	0.969	0.999	0.999	0.999
2155.0	0.000	0.000	0.000	0.001	0.015	0.147	0.339	0.587	0.796	0.896	0.950	0.969	0.999	0.999	0.999
2157.5	0.000	0.000	0.000	0.001	0.014	0.143	0.334	0.583	0.794	0.895	0.950	0.968	0.999	0.999	0.999
2160.0	0.000	0.000	0.000	0.001	0.013	0.139	0.330	0.579	0.792	0.894	0.949	0.968	0.999	0.999	0.999
2162.5	0.000	0.000	0.000	0.001	0.013	0.135	0.325	0.575	0.790	0.893	0.949	0.968	0.999	0.999	0.999
2165.0	0.000	0.000	0.000	0.001	0.012	0.132	0.321	0.571	0.788	0.892	0.948	0.967	0.999	0.999	0.999
2167.5	0.000	0.000	0.000	0.001	0.011	0.128	0.316	0.567	0.786	0.891	0.948	0.967	0.999	0.999	0.999
2170.0	0.000	0.000	0.000	0.001	0.010	0.124	0.312	0.563	0.784	0.890	0.947	0.967	0.999	0.999	0.999
2172.5	0.000	0.000	0.000	0.001	0.010	0.121	0.307	0.559	0.782	0.889	0.947	0.966	0.999	0.999	0.999
2175.0	0.000	0.000	0.000	0.000	0.009	0.117	0.303	0.555	0.780	0.888	0.946	0.966	0.999	0.999	0.999
2177.5	0.000	0.000	0.000	0.000	0.009	0.113	0.299	0.551	0.778	0.887	0.946	0.966	0.999	0.999	0.999
2180.0	0.000	0.000	0.000	0.000	0.008	0.110	0.294	0.547	0.776	0.886	0.945	0.965	0.999	0.999	0.999
2182.5	0.000	0.000	0.000	0.000	0.008	0.107	0.290	0.543	0.774	0.885	0.945	0.965	0.999	0.999	0.999
2185.0	0.000	0.000	0.000	0.000	0.007	0.103	0.286	0.539	0.772	0.884	0.944	0.965	0.999	0.999	0.999
2187.5	0.000	0.000	0.000	0.000	0.007	0.100	0.282	0.535	0.770	0.883	0.944	0.964	0.999	0.999	0.999
2190.0	0.000	0.000	0.000	0.000	0.006	0.097	0.277	0.531	0.768	0.882	0.943	0.964	0.999	0.999	0.999
2192.5	0.000	0.000	0.000	0.000	0.006	0.094	0.273	0.527	0.766	0.881	0.943	0.964	0.999	0.999	0.999
2195.0	0.000	0.000	0.000	0.000	0.006	0.091	0.269	0.523	0.764	0.880	0.942	0.963	0.999	0.999	0.999
2197.5	0.000	0.000	0.000	0.000	0.005	0.088	0.265	0.519	0.762	0.879	0.942	0.963	0.999	0.999	0.999
2200.0	0.000	0.000	0.000	0.000	0.005	0.085	0.261	0.515	0.760	0.878	0.941	0.963	0.999	0.999	0.999
2202.5	0.000	0.000	0.000	0.000	0.005	0.083	0.257	0.511	0.758	0.877	0.941	0.962	0.999	0.999	0.999
2205.0	0.000	0.000	0.000	0.000	0.004	0.080	0.253	0.507	0.756	0.876	0.940	0.962	0.999	0.999	0.999
2207.5	0.000	0.000	0.000	0.000	0.004	0.077	0.249	0.503	0.754	0.875	0.940	0.962	0.999	0.999	0.999
2210.0	0.000	0.000	0.000	0.000	0.004	0.075	0.245	0.499	0.752	0.874	0.939	0.961	0.999	0.999	0.999
2212.5	0.000	0.000	0.000	0.000	0.003	0.072	0.241	0.495	0.750	0.873	0.939	0.961	0.999	0.999	0.999
2215.0	0.000	0.000	0.000	0.000	0.003	0.070	0.237	0.491	0.748	0.872	0.938	0.961	0.999	0.999	0.999
2217.5	0.000	0.000	0.000	0.000	0.003	0.067	0.233	0.487	0.746	0.871	0.938	0.960	0.999	0.999	0.999
2220.0	0.000	0.000	0.000	0.000	0.003	0.065	0.229	0.483	0.744	0.870	0.937	0.960	0.999	0.999	0.999
2222.5	0.000	0.000	0.000	0.000	0.002	0.063	0.225	0.479	0.742	0.869	0.937	0.960	0.999	0.999	0.999
2225.0	0.000	0.000	0.000	0.000	0.002	0.060	0.221	0.475	0.740	0.868	0.936	0.959	0.999	0.999	0.999
2227.5	0.000	0.000	0.000	0.000	0.002	0.058	0.217	0.471	0.738	0.867	0.936	0.959	0.999	0.999	0.999
2230.0	0.000	0.000	0.000	0.000	0.002	0.056	0.213	0.467	0.736	0.866	0.935	0.959	0.999	0.999	0.999
2232.5	0.000	0.000	0.000	0.000	0.002	0.054	0.209	0.463	0.734	0.865	0.935	0.958	0.999	0.999	0.999
2235.0	0.000	0.000	0.000	0.000	0.002	0.052	0.205	0.459	0.732	0.864	0.934	0.958	0.999	0.999	0.999
2237.5	0.000	0.000	0.000	0.000	0.002	0.050	0.201	0.455	0.730	0.863	0.934	0.958	0.999	0.999	0.999
2240.0	0.000	0.000	0.000	0.000	0.001	0.048	0.197	0.451	0.728	0.862	0.933	0.957	0.999	0.999	0.999
2242.5	0.000	0.000	0.000	0.000	0.001	0.046	0.193	0.447	0.726	0.861	0.933	0.957	0.999	0.999	0.999
2245.0	0.000	0.000	0.000	0.000	0.001	0.044	0.189	0.443	0.724	0.860	0.932	0.957	0.999	0.999	0.999

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
						UPR.CM.]									
2247.5	0.767	0.861	0.904	0.934	0.960	0.973	0.982	0.990	0.995	0.996	0.998	0.999	1.000	1.000	1.000
2250.0	0.713	0.823	0.878	0.914	0.947	0.964	0.976	0.987	0.992	0.995	0.998	0.999	0.999	1.000	1.000
2252.5	0.663	0.785	0.852	0.894	0.934	0.954	0.970	0.983	0.990	0.994	0.997	0.999	0.999	1.000	1.000
2255.0	0.755	0.852	0.897	0.928	0.956	0.970	0.980	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000
2257.5	0.727	0.844	0.907	0.936	0.961	0.973	0.982	0.990	0.995	0.996	0.998	0.999	1.000	1.000	1.000
2260.0	0.813	0.830	0.924	0.947	0.968	0.979	0.986	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2262.5	0.853	0.916	0.943	0.961	0.977	0.985	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2265.0	0.897	0.948	0.963	0.977	0.987	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2267.5	0.847	0.915	0.941	0.960	0.976	0.984	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2270.0	0.787	0.872	0.911	0.938	0.962	0.975	0.984	0.991	0.995	0.997	0.999	1.000	1.000	1.000	1.000
2272.5	0.766	0.858	0.901	0.931	0.959	0.972	0.982	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000
2275.0	0.805	0.885	0.921	0.945	0.967	0.978	0.986	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2277.5	0.831	0.903	0.934	0.953	0.973	0.982	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2280.0	0.791	0.876	0.914	0.939	0.964	0.976	0.985	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2282.5	0.783	0.871	0.911	0.939	0.964	0.975	0.984	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2285.0	0.817	0.895	0.930	0.953	0.973	0.982	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2287.5	0.859	0.925	0.952	0.970	0.984	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2290.0	0.833	0.907	0.939	0.960	0.978	0.987	0.992	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2292.5	0.813	0.892	0.928	0.952	0.973	0.984	0.991	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000
2295.0	0.807	0.866	0.923	0.948	0.969	0.981	0.989	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000
2297.5	0.832	0.903	0.934	0.955	0.973	0.982	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
2300.0	0.846	0.911	0.941	0.960	0.978	0.986	0.991	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2302.5	0.829	0.899	0.931	0.953	0.972	0.982	0.989	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000
2305.0	0.836	0.902	0.933	0.954	0.972	0.982	0.989	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000
2307.5	0.851	0.912	0.939	0.957	0.974	0.983	0.989	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000
2310.0	0.891	0.940	0.960	0.973	0.985	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2312.5	0.891	0.942	0.962	0.976	0.987	0.992	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2315.0	0.879	0.936	0.958	0.974	0.985	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2317.5	0.870	0.934	0.956	0.973	0.984	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2320.0	0.868	0.933	0.955	0.972	0.983	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2322.5	0.894	0.950	0.968	0.979	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2325.0	0.895	0.952	0.969	0.980	0.989	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2327.5	0.918	0.957	0.973	0.982	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000

WATER VAPOR 0.05 ATMOSPHERE PRESSURE

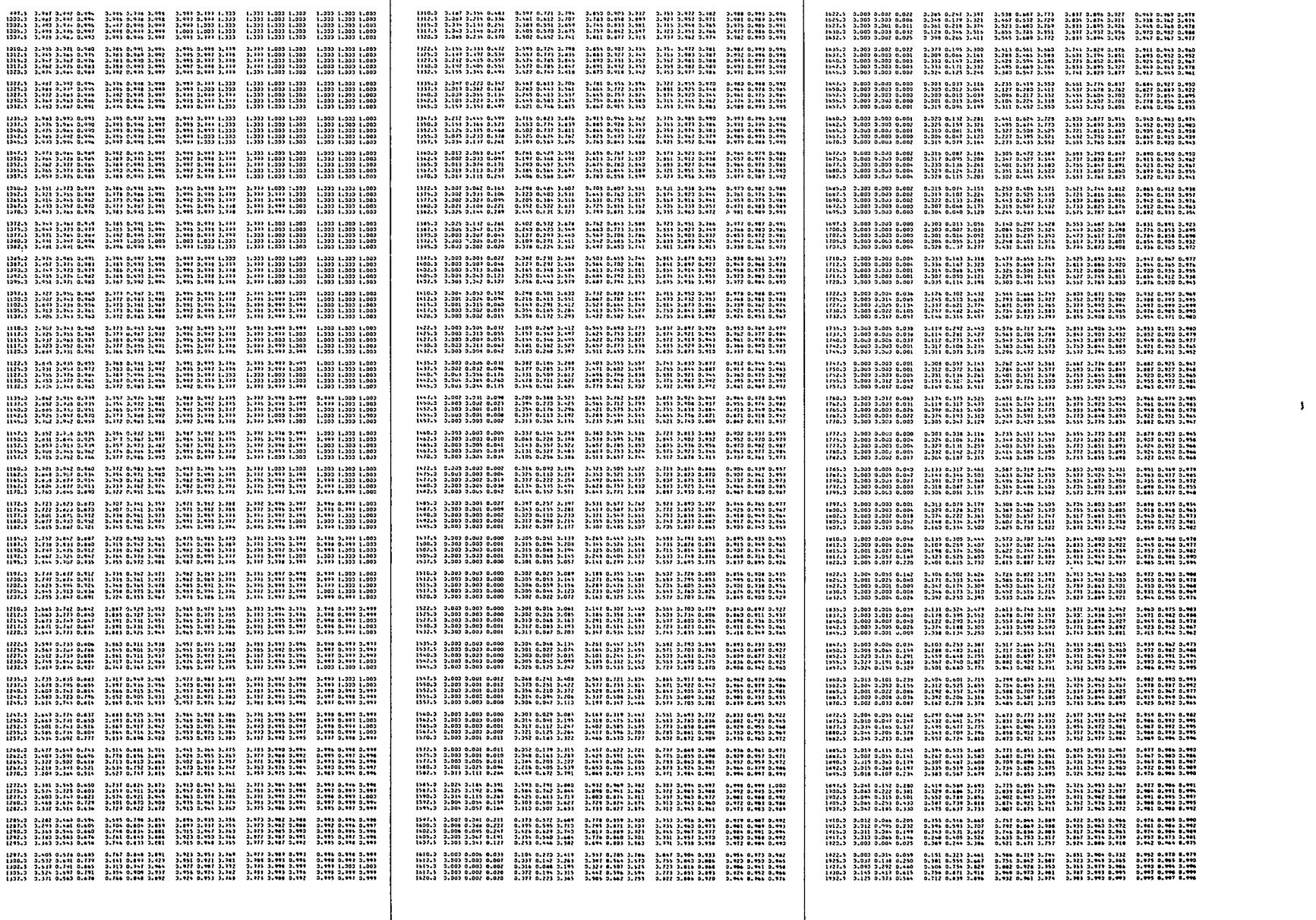
T=300° K

FREQ.	U[PR.CM.] 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
2672.5	0.710	0.814	0.870	0.911	0.947	0.966	0.979	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2675.0	0.692	0.792	0.855	0.897	0.932	0.959	0.976	0.988	0.993	0.996	0.998	0.999	0.999	1.000	1.000
2677.5	0.674	0.769	0.832	0.881	0.918	0.952	0.973	0.986	0.992	0.995	0.998	0.999	0.999	1.000	1.000
2680.0	0.658	0.751	0.814	0.867	0.905	0.945	0.969	0.984	0.990	0.995	0.997	0.998	0.999	1.000	1.000
2682.5	0.643	0.737	0.801	0.854	0.894	0.937	0.965	0.982	0.989	0.994	0.996	0.998	0.999	0.999	1.000
2685.0	0.716	0.824	0.878	0.917	0.950	0.967	0.978	0.988	0.992	0.995	0.998	0.999	0.999	1.000	1.000
2687.5	0.696	0.802	0.860	0.904	0.939	0.963	0.976	0.988	0.993	0.996	0.998	0.999	0.999	1.000	1.000
2690.0	0.660	0.767	0.836	0.887	0.932	0.956	0.972	0.986	0.992	0.995	0.998	0.999	0.999	1.000	1.000
2692.5	0.611	0.744	0.819	0.873	0.923	0.950	0.968	0.983	0.990	0.995	0.997	0.998	0.999	1.000	1.000
2695.0	0.584	0.724	0.802	0.861	0.915	0.943	0.965	0.980	0.987	0.992	0.996	0.998	0.999	0.999	1.000
2697.5	0.525	0.735	0.812	0.869	0.920	0.948	0.966	0.980	0.987	0.991	0.995	0.997	0.999	0.999	1.000
2700.0	0.466	0.747	0.822	0.877	0.925	0.949	0.967	0.980	0.987	0.991	0.995	0.997	0.998	0.999	1.000
2702.5	0.537	0.772	0.840	0.888	0.932	0.954	0.970	0.982	0.988	0.992	0.995	0.997	0.998	0.999	0.999
2705.0	0.648	0.811	0.866	0.904	0.939	0.960	0.974	0.985	0.991	0.994	0.997	0.998	0.999	0.999	1.000
2707.5	0.770	0.858	0.901	0.932	0.956	0.971	0.981	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000
2710.0	0.512	0.873	0.764	0.833	0.898	0.929	0.952	0.972	0.982	0.988	0.994	0.996	0.998	0.999	1.000
2712.5	0.549	0.731	0.811	0.869	0.921	0.947	0.965	0.981	0.989	0.993	0.996	0.998	0.999	0.999	1.000
2715.0	0.592	0.747	0.826	0.883	0.929	0.953	0.969	0.982	0.990	0.994	0.997	0.998	0.999	0.999	1.000
2717.5	0.565	0.716	0.795	0.855	0.911	0.939	0.959	0.976	0.985	0.992	0.996	0.998	0.999	0.999	0.999
2720.0	0.549	0.706	0.791	0.852	0.910	0.937	0.957	0.974	0.983	0.990	0.995	0.998	0.999	0.999	0.999
2722.5	0.532	0.696	0.782	0.848	0.908	0.933	0.954	0.973	0.982	0.988	0.993	0.997	0.998	0.999	0.999
2725.0	0.468	0.636	0.731	0.805	0.875	0.912	0.939	0.962	0.974	0.982	0.990	0.995	0.998	0.999	0.999
2727.5	0.395	0.566	0.677	0.754	0.844	0.888	0.920	0.948	0.963	0.974	0.985	0.992	0.996	0.998	0.999
2730.0	0.443	0.613	0.716	0.792	0.867	0.906	0.936	0.960	0.972	0.981	0.988	0.995	0.997	0.999	
2732.5	0.551	0.706	0.791	0.854	0.910	0.938	0.958	0.976	0.985	0.990	0.994	0.998	0.999	0.999	
2735.0	0.631	0.776	0.844	0.893	0.936	0.957	0.972	0.985	0.991	0.994	0.997	0.999	0.999	1.000	1.000
2737.5	0.639	0.779	0.848	0.896	0.937	0.958	0.973	0.985	0.992	0.995	0.997	0.999	0.999	1.000	1.000
2740.0	0.562	0.737	0.820	0.859	0.916	0.941	0.961	0.978	0.988	0.993	0.996	0.998	0.999	0.999	
2742.5	0.434	0.637	0.731	0.792	0.867	0.905	0.934	0.958	0.973	0.983	0.992	0.996	0.998	0.999	
2745.0	0.290	0.494	0.611	0.714	0.815	0.868	0.907	0.942	0.959	0.972	0.983	0.988	0.992	0.996	0.998
2747.5	0.278	0.476	0.604	0.704	0.811	0.866	0.905	0.941	0.958	0.971	0.982	0.988	0.992	0.996	0.998
2750.0	0.274	0.477	0.609	0.713	0.821	0.877	0.917	0.947	0.962	0.973	0.983	0.988	0.992	0.996	0.998
2752.5	0.301	0.502	0.630	0.731	0.837	0.894	0.931	0.957	0.969	0.978	0.986	0.991	0.994	0.997	
2755.0	0.338	0.535	0.659	0.758	0.863	0.917	0.948	0.967	0.977	0.984	0.991	0.994	0.997		
2757.5	0.398	0.595	0.709	0.799	0.893	0.939	0.962	0.976	0.983	0.989	0.993	0.996	0.998		
2760.0	0.464	0.667	0.764	0.843	0.912	0.947	0.968	0.980	0.987	0.992	0.995	0.997	0.998	0.999	
2762.5	0.535	0.737	0.821	0.888	0.935	0.958	0.976	0.986	0.991	0.994	0.996	0.998	0.999	0.999	
2765.0	0.606	0.787	0.861	0.917	0.950	0.968	0.979	0.988	0.992	0.995	0.997	0.998	0.999	0.999	
2767.5	0.662	0.822	0.886	0.934	0.960	0.974	0.983	0.990	0.994	0.996	0.998	0.999	0.999	1.000	
2770.0	0.699	0.844	0.901	0.944	0.967	0.979	0.986	0.992	0.995	0.997	0.998	0.999	0.999	1.000	
2772.5	0.719	0.856	0.910	0.950	0.971	0.981	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	
2775.0	0.724	0.859	0.913	0.952	0.972	0.982	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	
2777.5	0.719	0.856	0.910	0.950	0.971	0.981	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	
2780.0	0.706	0.847	0.904	0.945	0.968	0.979	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	
2782.5	0.686	0.833	0.895	0.939	0.964	0.976	0.985	0.991	0.994	0.996	0.998	0.999	0.999	1.000	
2785.0	0.658	0.813	0.882	0.930	0.958	0.972	0.982	0.989	0.993	0.996	0.998	0.999	0.999	1.000	
2787.5	0.623	0.788	0.865	0.918	0.950	0.967	0.978	0.987	0.992	0.995	0.997	0.998	0.999	0.999	
2790.0	0.581	0.758	0.844	0.904	0.940	0.960	0.973	0.983	0.988	0.993	0.996	0.998	0.999	0.999	
2792.5	0.536	0.725	0.820	0.887	0.928	0.951	0.967	0.978	0.984	0.990	0.994	0.997	0.998	0.999	
2795.0	0.488	0.689	0.793	0.867	0.914	0.941	0.959	0.972	0.980	0.987	0.992	0.995	0.997	0.998	
2797.5	0.438	0.651	0.764	0.845	0.899	0.930	0.950	0.966	0.975	0.984	0.990	0.994	0.996	0.998	
2800.0	0.388	0.612	0.734	0.822	0.883	0.918	0.941	0.959	0.970	0.980	0.988	0.992	0.995	0.997	
2802.5	0.341	0.575	0.705	0.799	0.867	0.906	0.932	0.952	0.965	0.976	0.985	0.990	0.994	0.996	
2805.0	0.299	0.541	0.678	0.778	0.851	0.895	0.923	0.945	0.959	0.972	0.982	0.988	0.992	0.995	
2807.5	0.264	0.511	0.654	0.759	0.837	0.885	0.915	0.938	0.954	0.968	0.979	0.986	0.991	0.994	
2810.0	0.236	0.486	0.634	0.743	0.825	0.876	0.908	0.932	0.949	0.964	0.976	0.984	0.989	0.993	
2812.5	0.214	0.465	0.617	0.730	0.815	0.868	0.901	0.927	0.945	0.960	0.973	0.982	0.988	0.992	
2815.0	0.197	0.448	0.603	0.719	0.806	0.861	0.896	0.923	0.941	0.957	0.971	0.980	0.987	0.991	
2817.5	0.184	0.435	0.592	0.710	0.799	0.856	0.892	0.919	0.938	0.955	0.969	0.979	0.985	0.990	
2820.0	0.174	0.425	0.583	0.703	0.794	0.852	0.888	0.916	0.936	0.953	0.968	0.977	0.984	0.989	
2822.5	0.167	0.417	0.577	0.698	0.790	0.849	0.886	0.914	0.934	0.952	0.967	0.977	0.984	0.989	
2825.0	0.162	0.412	0.573	0.695	0.788	0.848	0.885	0.913	0.934	0.952	0.967	0.977	0.984	0.989	
2827.5	0.160	0.410	0.572	0.694	0.788	0.848	0.885	0.914	0.934	0.952	0.967	0.977	0.984	0.989	
2830.0	0.161	0.411	0.573	0.695	0.789	0.849	0.886	0.914	0.935	0.953	0.968	0.977	0.984	0.989	
2832.5	0.164	0.414	0.576	0.698	0.792	0.851	0.888	0.916	0.936	0.954	0.968	0.978	0.985	0.990	
2835.0	0.170	0.420	0.581	0.702	0.796	0.854	0.890	0.918	0.938	0.955	0.969	0.979	0.986	0.990	
2837.5	0.179	0.428	0.588	0.708	0.801	0.858	0.893	0.921	0.940	0.957	0.971	0.980	0.987	0.991	
2840.0	0.190	0.438	0.597	0.716	0.808	0.863	0.898	0.925	0.943	0.959	0.973	0.982	0.988	0.992	
2842.5	0.204	0.450	0.608	0.725	0.816	0.870	0.903	0.929	0.946	0.962	0.975	0.983	0.990	0.993	
2845.0	0.221	0.465	0.620	0.736	0.825	0.877	0.908	0.933	0.950	0.965	0.977	0.985	0.991	0.994	
2847.5	0.241	0.482	0.634	0.748	0.835	0.885	0.914	0.938	0.954	0.968	0.979	0.987	0.992	0.995	
2850.0	0.264	0.502	0.650	0.761	0.846	0.893	0.921	0.943	0.958	0.971	0.981	0.988	0.993	0.996	
2852.5	0.290	0.524	0.668	0.776	0.858	0.902	0.928	0.948	0.962	0.974	0.983	0.990	0.994	0.996	
2855.0	0.320	0.549	0.688	0.792	0.871	0.911	0.935	0.953	0.966	0.977	0.985	0.991	0.995	0.997	
2857.5	0.353	0.577	0.710	0.809	0.884	0.920	0.942	0.958	0.970	0.980	0.987	0.993	0.996	0.998	
2860.0	0.390	0.608	0.734	0.828	0.897	0.929	0.949	0.963	0.974	0.982	0.989	0.994	0.997	0.998	
2862.5	0.431	0.642	0.760	0.848	0.911	0.939	0.956	0.969	0.978	0.985	0.991	0.995	0.997	0.999	
2865.0	0.476	0.679	0.789	0.870	0.926	0.948	0.964	0.975	0.982	0.989	0.993	0.996	0.998	0.999	
2867.5	0.525	0.719	0.820	0.893	0.941	0.958	0.972	0.981	0.987	0.992	0.995	0.997	0.999	0.999	
2870.0	0.577	0.762	0.853	0.917	0.955	0.968	0.979	0.987	0.991	0.994	0.997	0.998	0.999	0.999	
2872.5	0.630	0.806	0.886	0.940	0.968	0.978	0.985	0.991	0.994	0.996	0.998	0.999	0.999	1.000	
2875.0	0.683	0.848	0.916	0.960	0.978	0.986	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	
2877.5	0.732	0.885	0.942	0.975	0.985	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	
2880.0	0.775	0.916	0.962	0.984	0.990	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	
2882.5	0.810	0.939	0.975	0.989	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	
2885.0	0.838	0.956	0.983	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	
2887.5	0.858	0.967	0.988	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	
2890.0	0.872	0.974	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2892.5	0.881	0.979	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2895.0	0.886	0.982	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2897.5	0.732	0.854	0.915	0.950	0.977	0.987	0.993	0.997	0.999	1.000	1.000	1.000	1.000	1.000	
2900.0	0.697	0.838	0.900	0.939	0.969	0.982	0.990	0.996	0.998	1.000	1.000	1.000	1.000	1.000	
2902.5	0.667	0.821	0.887	0.929	0.962	0.978	0.988	0.995	0.998	0.999	1.000	1.000	1.000	1.000	
2905.0	0.651	0.816	0.882	0.926	0.961	0.977	0.988	0.995	0.998	0.999	1.000	1.000	1.000	1.000	
2907.5	0.654	0.824	0.890	0.933	0.965	0.980	0.990	0.996	0.998	0.999	1.000	1.000	1.000	1.000	
2910.0	0.718	0.887	0.934	0.962	0.980	0.989	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000	
2912.5	0.789	0.929	0.960	0.978	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	
2915.0	0.852	0.961	0.979	0.989	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	
2917.5	0.899	0.980	0.990	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	
2920.0	0.929	0.990	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2922.5	0.945	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2925.0	0.953	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2927.5	0.956	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2930.0	0.956	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2932.5	0.955	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2935.0	0.955	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2937.5	0.956	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2940.0	0.958	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2942.5	0.960	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2945.0	0.961	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2947.5	0.961	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2950.0	0.960	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2952.5	0.958	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2955.0	0.955	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2957.5	0.951	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2960.0	0.946	0.996	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2962.5	0.940	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2965.0	0.933	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2967.5	0.925	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2970.0	0.916	0.990	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2972.5	0.906	0.988	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2975.0	0.895	0.985	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	
2977.5	0.883	0.982	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	
2980.0	0.870	0.978	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	
2982.5	0.857	0.974	0.986	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	
2985.0	0.843	0.970	0.983	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	
2987.5	0.829	0.966	0.981	0.988	0.992	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	
2990.0	0.815	0.962	0.979	0.986	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	
2992.5	0.800	0.958	0.976	0.984	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	
2995.0	0.786	0.954	0.974	0.983	0.989	0.992	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000	
2997.5	0.772	0.950	0.971	0.981	0.988	0.992	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	
3000.0	0.758	0.946	0.969	0.980	0.987	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	

FREQ.	U[PR.CM.] 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
3485.0	0.093	0.188	0.328	0.469	0.632	0.727	0.801	0.871	0.908	0.935	0.959	0.972	0.981	0.989	0.993
3487.5	0.190	0.349	0.473	0.586	0.737	0.791	0.848	0.902	0.930	0.950	0.969	0.978	0.985	0.991	0.994
3490.0	0.276	0.474	0.609	0.733	0.832	0.866	0.917	0.948	0.964	0.975	0.985	0.989	0.993	0.996	0.997
3492.5	0.378	0.631	0.766	0.852	0.920	0.949	0.966	0.983	0.990	0.994	0.997	0.998	0.999	1.000	1.000
3495.0	0.220	0.421	0.556	0.667	0.779	0.841	0.887	0.929	0.950	0.966	0.979	0.986	0.990	0.994	0.996
3497.5	0.133	0.276	0.399	0.521	0.662	0.750	0.832	0.887	0.917	0.941	0.964	0.975	0.983	0.990	0.993
3500.0	0.050	0.122	0.303	0.442	0.608	0.709	0.788	0.853	0.903	0.932	0.958	0.971	0.980	0.988	0.992
3502.5	0.121	0.264	0.505	0.626	0.750	0.815	0.871	0.916	0.943	0.960	0.976	0.983	0.989	0.993	0.996
3505.0	0.243	0.546	0.695	0.798	0.863	0.922	0.947	0.969	0.980	0.987	0.992	0.995	0.997	0.998	0.999
3507.5	0.262	0.560	0.684	0.778	0.841	0.868	0.907	0.942	0.960	0.973	0.986	0.990	0.993	0.996	0.997
3510.0	0.140	0.269	0.518	0.540	0.681	0.761	0.829	0.892	0.925	0.945	0.970	0.980	0.987	0.992	0.995
3512.5	0.014	0.093	0.215	0.360	0.545	0.661	0.751	0.842	0.889	0.923	0.954	0.968	0.979	0.987	0.992
3515.0	0.011	0.064	0.201	0.347	0.537	0.656	0.751	0.840	0.888	0.922	0.952	0.967	0.977	0.986	0.991
3517.5	0.005	0.054	0.167	0.278	0.445	0.567	0.697	0.802	0.858	0.899	0.936	0.955	0.969	0.981	0.987
3520.0	0.002	0.026	0.046	0.180	0.340	0.467	0.585	0.714	0.785	0.847	0.901	0.930	0.951	0.971	0.981
3522.5	0.001	0.010	0.063	0.229	0.303	0.433	0.556	0.693	0.773	0.838	0.896	0.925	0.948	0.969	0.980
3525.0	0.001	0.015	0.122	0.329	0.403	0.533	0.637	0.737	0.831	0.878	0.923	0.945	0.962	0.978	0.986
3527.5	0.044	0.171	0.305	0.443	0.606	0.706	0.785	0.861	0.901	0.930	0.957	0.971	0.981	0.989	0.993
3530.0	0.047	0.166	0.329	0.472	0.636	0.730	0.804	0.873	0.910	0.936	0.961	0.973	0.982	0.990	0.994
3532.5	0.059	0.184	0.358	0.496	0.657	0.754	0.790	0.883	0.902	0.930	0.956	0.969	0.979	0.988	0.993
3535.0	0.079	0.268	0.502	0.618	0.739	0.809	0.861	0.910	0.936	0.956	0.977	0.980	0.986	0.992	0.995
3537.5	0.075	0.266	0.520	0.639	0.776	0.838	0.924	0.944	0.968	0.978	0.987	0.991	0.994	0.997	0.998
3540.0	0.235	0.461	0.635	0.751	0.851	0.899	0.932	0.959	0.972	0.981	0.989	0.993	0.996	0.998	0.999
3542.5	0.227	0.452	0.643	0.620	0.755	0.827	0.878	0.924	0.947	0.963	0.978	0.985	0.992	0.996	0.998
3545.0	0.219	0.444	0.652	0.642	0.781	0.852	0.898	0.934	0.956	0.970	0.982	0.989	0.994	0.997	0.998
3547.5	0.240	0.514	0.687	0.709	0.840	0.887	0.920	0.948	0.963	0.974	0.985	0.992	0.996	0.998	0.999
3550.0	0.268	0.567	0.731	0.770	0.870	0.910	0.937	0.959	0.971	0.980	0.988	0.993	0.996	0.998	0.999
3552.5	0.216	0.436	0.726	0.802	0.875	0.913	0.940	0.963	0.975	0.984	0.991	0.995			
3555.0	0.057	0.176	0.341	0.482	0.642	0.718	0.811	0.880	0.916	0.941	0.964	0.975	0.983	0.991	0.994
3557.5	0.037	0.157	0.293	0.437	0.606	0.709	0.788	0.864	0.903	0.932	0.957	0.970	0.980	0.989	0.993
3560.0	0.015	0.092	0.211	0.392	0.567	0.694	0.784	0.862	0.906	0.941	0.963	0.976	0.985	0.992	0.995
3562.5	0.059	0.219	0.365	0.511	0.669	0.760	0.828	0.890	0.922	0.945	0.968	0.

WATER VAPOR AT 0.02 ATMOSPHERE PRESSURE

T=300° K



WATER VAPOR AT 0.02 ATMOSPHERE PRESSURE

T=300° K

UPR.CM.-1

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1935.0	0.103	0.328	0.515	0.671	0.811	0.875	0.917	0.952	0.968	0.979	0.987	0.992	0.996	0.997	0.998
1937.5	0.104	0.329	0.518	0.673	0.812	0.877	0.919	0.953	0.969	0.979	0.987	0.992	0.996	0.997	0.998
1940.0	0.105	0.330	0.519	0.674	0.814	0.878	0.920	0.954	0.969	0.980	0.987	0.992	0.996	0.997	0.998
1942.5	0.106	0.331	0.520	0.675	0.815	0.879	0.921	0.954	0.970	0.980	0.988	0.992	0.996	0.997	0.998
1945.0	0.107	0.332	0.521	0.676	0.816	0.880	0.922	0.955	0.970	0.980	0.988	0.992	0.996	0.997	0.998
1947.5	0.108	0.333	0.522	0.677	0.817	0.881	0.923	0.956	0.971	0.981	0.988	0.993	0.996	0.997	0.998
1950.0	0.109	0.334	0.523	0.678	0.818	0.882	0.924	0.956	0.971	0.981	0.988	0.993	0.996	0.997	0.998
1952.5	0.110	0.335	0.524	0.679	0.819	0.883	0.924	0.957	0.971	0.981	0.988	0.993	0.996	0.997	0.998
1955.0	0.110	0.336	0.525	0.680	0.820	0.884	0.925	0.957	0.972	0.981	0.989	0.993	0.996	0.997	0.998
1957.5	0.111	0.337	0.526	0.681	0.821	0.885	0.926	0.958	0.972	0.982	0.989	0.993	0.996	0.997	0.998
1960.0	0.112	0.338	0.527	0.682	0.822	0.886	0.926	0.958	0.972	0.982	0.989	0.993	0.996	0.997	0.998
1962.5	0.113	0.339	0.528	0.683	0.823	0.887	0.927	0.959	0.973	0.982	0.989	0.993	0.996	0.997	0.998
1965.0	0.114	0.340	0.529	0.684	0.824	0.888	0.928	0.959	0.973	0.982	0.989	0.993	0.996	0.997	0.998
1967.5	0.115	0.341	0.530	0.685	0.825	0.889	0.928	0.960	0.973	0.983	0.990	0.993	0.996	0.997	0.998
1970.0	0.116	0.342	0.531	0.686	0.826	0.890	0.929	0.960	0.974	0.983	0.990	0.994	0.997	0.998	0.999
1972.5	0.117	0.343	0.532	0.687	0.827	0.891	0.930	0.961	0.974	0.983	0.990	0.994	0.997	0.998	0.999
1975.0	0.118	0.344	0.533	0.688	0.828	0.892	0.930	0.961	0.974	0.983	0.990	0.994	0.997	0.998	0.999
1977.5	0.119	0.345	0.534	0.689	0.829	0.893	0.931	0.962	0.975	0.984	0.990	0.994	0.997	0.998	0.999
1980.0	0.120	0.346	0.535	0.690	0.830	0.894	0.932	0.962	0.975	0.984	0.991	0.994	0.997	0.998	0.999
1982.5	0.121	0.347	0.536	0.691	0.831	0.895	0.932	0.963	0.975	0.984	0.991	0.994	0.997	0.998	0.999
1985.0	0.122	0.348	0.537	0.692	0.832	0.896	0.933	0.963	0.976	0.984	0.991	0.995	0.997	0.998	0.999
1987.5	0.123	0.349	0.538	0.693	0.833	0.897	0.934	0.964	0.976	0.985	0.991	0.995	0.997	0.998	0.999
1990.0	0.124	0.350	0.539	0.694	0.834	0.898	0.934	0.964	0.976	0.985	0.991	0.995	0.997	0.998	0.999
1992.5	0.125	0.351	0.540	0.695	0.835	0.899	0.935	0.964	0.977	0.985	0.992	0.995	0.997	0.998	0.999
1995.0	0.126	0.352	0.541	0.696	0.836	0.900	0.936	0.965	0.977	0.985	0.992	0.995	0.997	0.998	0.999
1997.5	0.127	0.353	0.542	0.697	0.837	0.901	0.936	0.965	0.977	0.986	0.992	0.995	0.997	0.998	0.999
2000.0	0.128	0.354	0.543	0.698	0.838	0.902	0.937	0.966	0.978	0.986	0.992	0.995	0.997	0.998	0.999
2002.5	0.129	0.355	0.544	0.699	0.839	0.903	0.938	0.966	0.978	0.986	0.992	0.996	0.997	0.998	0.999
2005.0	0.130	0.356	0.545	0.700	0.840	0.904	0.938	0.967	0.978	0.986	0.992	0.996	0.997	0.998	0.999
2007.5	0.131	0.357	0.546	0.701	0.841	0.905	0.939	0.967	0.978	0.987	0.993	0.996	0.997	0.998	0.999
2010.0	0.132	0.358	0.547	0.702	0.842	0.906	0.940	0.968	0.979	0.987	0.993	0.996	0.997	0.998	0.999
2012.5	0.133	0.359	0.548	0.703	0.843	0.907	0.940	0.968	0.979	0.987	0.993	0.996	0.997	0.998	0.999
2015.0	0.134	0.360	0.549	0.704	0.844	0.908	0.941	0.969	0.979	0.988	0.993	0.996	0.997	0.998	0.999
2017.5	0.135	0.361	0.550	0.705	0.845	0.909	0.942	0.969	0.980	0.988	0.993	0.996	0.997	0.998	0.999
2020.0	0.136	0.362	0.551	0.706	0.846	0.910	0.942	0.970	0.980	0.988	0.993	0.996	0.997	0.998	0.999
2022.5	0.137	0.363	0.552	0.707	0.847	0.911	0.943	0.970	0.980	0.988	0.993	0.996	0.997	0.998	0.999
2025.0	0.138	0.364	0.553	0.708	0.848	0.912	0.944	0.970	0.981	0.989	0.994	0.997	0.998	0.999	0.999
2027.5	0.139	0.365	0.554	0.709	0.849	0.913	0.944	0.971	0.981	0.989	0.994	0.997	0.998	0.999	0.999
2030.0	0.140	0.366	0.555	0.710	0.850	0.914	0.945	0.971	0.981	0.989	0.994	0.997	0.998	0.999	0.999
2032.5	0.141	0.367	0.556	0.711	0.851	0.915	0.946	0.972	0.982	0.989	0.994	0.997	0.998	0.999	0.999
2035.0	0.142	0.368	0.557	0.712	0.852	0.916	0.946	0.972	0.982	0.990	0.994	0.997	0.998	0.999	0.999
2037.5	0.143	0.369	0.558	0.713	0.853	0.917	0.947	0.973	0.982	0.990	0.994	0.997	0.998	0.999	0.999
2040.0	0.144	0.370	0.559	0.714	0.854	0.918	0.948	0.973	0.983	0.990	0.994	0.997	0.998	0.999	0.999
2042.5	0.145	0.371	0.560	0.715	0.855	0.919	0.948	0.973	0.983	0.990	0.994	0.997	0.998	0.999	0.999
2045.0	0.146	0.372	0.561	0.716	0.856	0.920	0.949	0.974	0.983	0.990	0.994	0.997	0.998	0.999	0.999
2047.5	0.147	0.373	0.562	0.717	0.857	0.921	0.950	0.974	0.984	0.991	0.995	0.997	0.998	0.999	0.999
2050.0	0.148	0.374	0.563	0.718	0.858	0.922	0.950	0.975	0.984	0.991	0.995	0.997	0.998	0.999	0.999
2052.5	0.149	0.375	0.564	0.719	0.859	0.923	0.951	0.975	0.984	0.991	0.995	0.997	0.998	0.999	0.999
2055.0	0.150	0.376	0.565	0.720	0.860	0.924	0.952	0.976	0.985	0.991	0.995	0.997	0.998	0.999	0.999
2057.5	0.151	0.377	0.566	0.721	0.861	0.925	0.952	0.976	0.985	0.992	0.995	0.997	0.998	0.999	0.999
2060.0	0.152	0.378	0.567	0.722	0.862	0.926	0.953	0.976	0.985	0.992	0.995	0.997	0.998	0.999	0.999
2062.5	0.153	0.379	0.568	0.723	0.863	0.927	0.954	0.977	0.985	0.992	0.995	0.997	0.998	0.999	0.999
2065.0	0.154	0.380	0.569	0.724	0.864	0.928	0.954	0.977	0.986	0.992	0.995	0.997	0.998	0.999	0.999
2067.5	0.155	0.381	0.570	0.725	0.865	0.929	0.955	0.977	0.986	0.992	0.996	0.997	0.998	0.999	0.999
2070.0	0.156	0.382	0.571	0.726	0.866	0.930	0.956	0.978	0.986	0.993	0.996	0.997	0.998	0.999	0.999
2072.5	0.157	0.383	0.572	0.727	0.867	0.931	0.956	0.978	0.986	0.993	0.996	0.997	0.998	0.999	0.999
2075.0	0.158	0.384	0.573	0.728	0.868	0.932	0.957	0.978	0.987	0.993	0.996	0.997	0.998	0.999	0.999
2077.5	0.159	0.385	0.574	0.729	0.869	0.933	0.958	0.979	0.987	0.993	0.996	0.997	0.998	0.999	0.999
2080.0	0.160	0.386	0.575	0.730	0.870	0.934	0.958	0.979	0.987	0.993	0.996	0.997	0.998	0.999	0.999
2082.5	0.161	0.387	0.576	0.731	0.871	0.935	0.959	0.979	0.987	0.994	0.997	0.998	0.999	0.999	0.999
2085.0	0.162	0.388	0.577	0.732	0.872	0.936	0.960	0.980	0.988	0.994	0.997	0.998	0.999	0.999	0.999
2087.5	0.163	0.389	0.578	0.733	0.873	0.937	0.960	0.980	0.988	0.994	0.997	0.998	0.999	0.999	0.999
2090.0	0.164	0.390	0.579	0.734	0.874	0.938	0.961	0.980	0.988	0.994	0.997	0.998	0.999	0.999	0.999
2092.5	0.165	0.391	0.580	0.735	0.875	0.939	0.962	0.981	0.989	0.994	0.997	0.998	0.999	0.999	0.999
2095.0	0.166	0.392	0.581	0.736	0.876	0.940	0.962	0.981	0.989	0.994	0.997	0.998	0.999	0.999	0.999
2097.5	0.167	0.393	0.582	0.737	0.877	0.941	0.963	0.981	0.989	0.995	0.997	0.998	0.999	0.999	0.999
2100.0	0.168	0.394	0.583	0.738	0.878	0.942	0.964	0.982	0.990	0.995	0.997	0.998	0.999	0.999	0.999
2102.5	0.169	0.395	0.584	0.739	0.879	0.943	0.964	0.982	0.990	0.995	0.997	0.998	0.999	0.999	0.999
2105.0	0.170	0.396	0.585	0.740	0.880	0.944	0.965	0.982	0.990	0.995	0.997	0.998	0.999	0.999	0.999
2107.5	0.171	0.397	0.586	0.741	0.881	0.945	0.966	0.983	0.990	0.995	0.997	0.998	0.999	0.999	0.999
2110.0	0.172	0.398	0.587	0.742	0.882	0.946	0.966	0.983	0.991	0.995	0.997	0.998	0.999	0.999	0.999
2112.5	0.173	0.399	0.588	0.743	0.883	0.947	0.967	0.983	0.991	0.995	0.997	0.998	0.999	0.999	0.999
2115.0	0.174	0.400	0.589	0.744	0.884	0.948	0.968	0.984	0.991	0.995	0.997	0.998	0.999	0.999	0.999
2117.5	0.175	0.401	0.590	0.745	0.885	0.949	0.968	0.984	0.991	0.995	0.997	0.998	0.999	0.999	0.999
2120.0	0.176	0.402	0.591	0.746	0.886	0.950	0.969	0.984	0.991	0.995	0.997	0.998	0.999	0.999	0.999
2122.5	0.177	0.403	0.592	0.747	0.887	0.951	0.970	0.985	0.992	0.996	0.997	0.998	0.999	0.999	0.999
2125.0	0.178	0.404	0.593	0.748	0.888	0.952	0.970	0.985	0.992	0.996	0.997	0.998	0.999	0.999	0.999
2127.5	0.179	0.405	0.594	0.749	0.889	0.953	0.971	0.985	0.992	0.996	0.997	0.998	0.999	0.999	0.999
2130.0	0.180	0.406	0.595	0.750	0.890	0.954	0.972	0.986	0.992	0.996	0.997	0.998	0.999	0.999	0.999
2132.5	0.181	0.407	0.596	0.751	0.891	0.955	0.972	0.986	0.993	0.996	0.997	0.998	0.999	0.999	0.999
2135.0	0.182	0.408	0.597	0.752	0.892	0.956	0.973	0.986	0.993	0.996	0.997	0.998	0.999	0.999	0.999
2137.5	0.183	0.409	0.598	0.753	0.893	0.957	0.974	0.987	0.993	0.996	0.997	0.998	0.999	0.999	0.999
2140.0	0.184	0.410	0.599	0.754	0.894	0.958	0.974	0.987	0.993	0.996	0.997	0.998	0.999	0.999	0.999
2142.5	0.185	0.411	0.600	0.755	0.895	0.959	0.975	0.987	0.994	0.997	0.998	0.999	0.999	0.999	0.999
2145.0	0.186	0.412	0.601	0.756	0.896	0.960	0.976	0.988	0.994	0.997	0.998	0.999	0.999	0.999	0.999
2147.5	0.187	0.413	0.602	0.757	0.897	0.961	0.976	0.988	0.994	0.997	0.998	0.999	0.999	0.999	0.999
2150.0	0.188	0.414	0.603	0.758	0.898	0.962	0.977	0.988	0.994	0.997	0.998	0.999	0.999	0.999	0.999
2152.5	0.189	0.415	0.604	0.759	0.899	0.963	0.978	0.989	0.995	0.997	0.998	0.999	0.999	0.999	0.999
2155.0	0.190	0.416	0.605	0.760	0.900	0.964	0.978	0.989	0.995	0.997	0.998	0.999	0.999	0.999	0.999
2157.5	0.191	0.417	0.606	0.761	0.901	0.965	0.979	0.989	0.995	0.997	0.998	0.999	0.999	0.999	0.999
2160.0	0.192	0.418	0.607	0.762	0.902	0.966	0.980	0.990	0.995	0.998	0.999	0.999	0.999	0.999	0.999
2162.5	0.193	0.419	0.608	0.763	0.903	0.967	0.980	0.990	0.995	0.998	0.999	0.999	0.999	0.999	0.999
2165.0	0.194	0.420	0.609	0.764	0.904	0.968	0.981	0.990	0.996	0.998	0.999	0.999	0.999	0.999	0.999
2167.5	0.195	0.421	0.610	0.765	0.905	0.969	0.981	0.991	0.996	0.998	0.999	0.999	0.999	0.999	0.999
2170.0	0.196	0.422	0.611	0.766	0.906	0.970	0.982	0.991	0.996	0.998	0.999	0.999	0.999	0.999	0.999
2172.5	0.197	0.423	0.612	0.767	0.907	0.971	0.982	0.991	0.996	0.998	0.999	0.999	0.999	0.999	0.999
2175.0	0.198	0.424	0.613	0.768	0.908	0.972	0.983	0.991	0.996	0.998	0.999	0.999	0.999	0.999	0.999
2177.5	0.199	0.425	0.614	0.769	0.909	0.973	0.983	0.992	0.996	0.998	0.999	0.999	0.999	0.999	0.999
2180.0	0.200	0.426	0.615	0.770	0.910	0.974	0.984	0.992	0.996	0.998	0.999	0.999	0.999	0.999	0.999
2182.5	0.201	0.427	0.616	0.771	0.911	0.975	0.984	0.992	0.997	0.998	0.999	0.999	0.999	0.999	0.999
2185.0	0.202	0.428	0.617	0.772	0.912	0.976	0.985	0.993	0.997	0.998	0.999	0.999	0.999	0.999	0.999
2187.5	0.203	0.429	0.618	0.773	0.913	0.977	0.985	0.993	0.997	0.998	0.999	0.999	0.999	0.999	0.999
2190.0	0.204	0.430	0.619	0.774	0.914	0.978	0.986	0.993	0.997	0.998	0.999	0.999	0.999	0.999	0.999
2192.5	0.205	0.431	0.620	0.775	0.915	0.979	0.986	0.994	0.997	0.998	0.999	0.999	0.999	0.999	0.999
2195.0	0.206	0.432	0.621	0.776	0.916	0.980	0.987	0.994	0.997	0.998	0.999	0.999	0.999	0.999	0.999
2197.5	0.207	0.433	0.622	0.777	0.917	0.981	0.987	0.994	0.997	0.998	0.999	0.999	0.999	0.999	0.999
2200.0	0.208	0.434	0.623	0.778	0.918	0.982	0.988	0.994	0.997	0.998	0.999	0.999	0.999	0.999	0.999
2202.5	0.209	0.435	0.624	0.779	0.919	0.983	0.988	0.995	0.997	0.998	0.999	0.999	0.999	0.999	0.999
2205.0	0.210	0.436	0.625	0.780	0.920	0.984	0.989	0.995	0.997	0.998	0.999	0.999	0.999	0.999	0.999
2207.5	0.211	0.437	0.626	0.781	0.921	0.985	0.989	0.995	0.997	0.998	0.999	0.999	0.999	0.999	0.999
2210.0	0.212	0.438	0.627	0.782	0.922	0.986	0.990	0.995	0.997	0.998	0.999	0.999	0.999	0.999	0.999
2212.5	0.213	0.439	0.628	0.783	0.923	0.987	0.990	0.995	0.997	0.998	0.999	0.999	0.999	0.999	0.999
2215.0	0.214	0.440	0.629	0.784	0.924	0.988	0.991	0.996	0.997	0.998	0.999	0.999	0.999	0.999	0.999
2217.5	0.215	0.441	0.630	0.785	0.925	0.989	0.991	0.996	0.997	0.998	0.999	0.999	0.999	0.999	0.999
2220.0	0.216	0.442	0.631	0.786	0.926	0.990	0.992	0.996	0.997	0.998	0.999	0.999	0.999	0.999	0.999
2222.5	0.217	0.443	0.632	0.787	0.927	0.991	0.992	0.996	0.997	0.998	0.999	0.999	0.999	0.999	0.999
2225.0	0.218	0.444	0.633	0.788	0.928	0.992	0.993	0.996	0.997	0.998	0.999	0.999	0.999	0.999	0.999
2227.5	0.219	0.445	0.634	0.789	0.929	0.993	0.993	0.996	0.997	0.998	0.999	0.999	0.999	0.999	0.999
2230.0	0.220	0.446	0.635	0.790	0.930	0.994	0.994	0.996	0.997	0.998	0.999	0.999	0.999	0.999	0.999
2232.5	0.221	0.447	0.636	0.791	0.931	0.995	0.994	0.996	0.997	0.998	0.999	0.999	0.999	0.999	0.999
2235.0	0.222	0.448	0.637	0.792	0.932	0.996	0.995	0.996	0.997	0.998	0.999	0.999	0.999	0.999	0.999
2237.5	0.223	0.449	0.638	0.793	0.933	0.997	0.995	0.996	0.997	0.998	0.999	0.999	0.999	0.999	0.999
2240.0	0.224	0.450	0.639	0.794	0.934	0.998	0.996	0.996	0.997	0.998	0.999	0.999	0.999	0.999	0.999
2242.5	0.225	0.451	0.640	0.795	0.935	0.999	0.996	0.996	0.997	0.998	0.999	0.999	0.999	0.999	0.999
2245.0	0.226	0.452	0.641	0.796	0.936	1.000	0.997	0.996	0.997	0.998	0.999	0.999	0.999	0.999	0.999

WATER VAPOR AT 0.02 ATMOSPHERE PRESSURE
T=300° K

FREQ.	UPR.CM.] 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
2672.5	0.868	0.876	0.916	0.960	0.981	0.992	0.998	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000
2675.0	0.737	0.828	0.877	0.933	0.966	0.983	0.994	0.997	0.998	0.999	0.999	0.999	0.999	1.000	1.000
2677.5	0.619	0.787	0.847	0.905	0.951	0.973	0.988	0.992	0.995	0.998	0.998	0.998	0.999	0.999	0.999
2680.0	0.717	0.816	0.867	0.925	0.959	0.979	0.992	0.996	0.997	0.999	0.999	0.999	0.999	1.000	1.000
2682.5	0.791	0.857	0.906	0.944	0.969	0.982	0.993	0.996	0.997	0.999	0.999	0.999	0.999	1.000	1.000
2685.0	0.817	0.861	0.900	0.944	0.966	0.977	0.989	0.991	0.994	0.998	0.998	0.998	0.999	1.000	1.000
2687.5	0.774	0.847	0.904	0.939	0.961	0.976	0.989	0.992	0.994	0.998	0.998	0.998	0.999	1.000	1.000
2690.0	0.763	0.834	0.892	0.934	0.959	0.975	0.989	0.992	0.994	0.998	0.998	0.998	0.999	1.000	1.000
2692.5	0.761	0.833	0.891	0.934	0.958	0.974	0.988	0.992	0.994	0.998	0.998	0.998	0.999	1.000	1.000
2695.0	0.770	0.837	0.895	0.937	0.960	0.976	0.989	0.992	0.994	0.998	0.998	0.998	0.999	1.000	1.000
2697.5	0.729	0.824	0.875	0.932	0.956	0.973	0.986	0.991	0.994	0.997	0.998	0.998	0.999	0.999	1.000
2700.0	0.760	0.851	0.887	0.937	0.959	0.976	0.988	0.992	0.994	0.998	0.998	0.998	0.999	0.999	1.000
2702.5	0.776	0.856	0.891	0.939	0.960	0.976	0.988	0.992	0.994	0.998	0.998	0.998	0.999	0.999	1.000
2705.0	0.659	0.772	0.836	0.902	0.935	0.961	0.983	0.989	0.992	0.997	0.997	0.998	0.999	0.999	1.000
2707.5	0.631	0.751	0.823	0.893	0.929	0.956	0.980	0.986	0.990	0.996	0.997	0.998	0.999	0.999	1.000
2710.0	0.665	0.782	0.844	0.910	0.941	0.962	0.982	0.987	0.990	0.996	0.997	0.998	0.999	1.000	1.000
2712.5	0.727	0.820	0.878	0.933	0.958	0.974	0.988	0.991	0.993	0.998	0.998	0.998	0.999	1.000	1.000
2715.0	0.758	0.841	0.896	0.945	0.966	0.978	0.989	0.992	0.994	0.998	0.998	0.998	0.999	0.999	1.000
2717.5	0.768	0.851	0.904	0.950	0.969	0.979	0.989	0.992	0.994	0.998	0.998	0.998	0.999	0.999	1.000
2720.0	0.700	0.807	0.863	0.923	0.950	0.968	0.981	0.985	0.988	0.995	0.996	0.997	0.998	0.999	0.999
2722.5	0.669	0.800	0.858	0.919	0.947	0.966	0.980	0.985	0.988	0.995	0.996	0.997	0.998	0.999	0.999
2725.0	0.638	0.776	0.831	0.894	0.926	0.950	0.973	0.979	0.983	0.993	0.995	0.996	0.998	0.999	0.999
2727.5	0.664	0.795	0.848	0.911	0.939	0.959	0.978	0.983	0.986	0.994	0.995	0.997	0.998	0.999	0.999
2730.0	0.690	0.814	0.865	0.923	0.948	0.965	0.980	0.985	0.988	0.995	0.996	0.997	0.998	0.999	0.999
2732.5	0.706	0.822	0.870	0.926	0.950	0.966	0.980	0.985	0.988	0.995	0.996	0.997	0.998	0.999	0.999
2735.0	0.770	0.857	0.902	0.932	0.958	0.971	0.981	0.984	0.988	0.995	0.996	0.997	0.998	0.999	0.999
2737.5	0.776	0.860	0.905	0.934	0.960	0.972	0.981	0.984	0.988	0.995	0.996	0.997	1.000	1.000	1.000
2740.0	0.719	0.838	0.891	0.929	0.953	0.969	0.980	0.984	0.988	0.995	0.996	0.997	0.998	0.999	0.999
2742.5	0.605	0.757	0.820	0.893	0.933	0.959	0.979	0.984	0.988	0.995	0.996	0.997	0.998	0.999	0.999
2745.0	0.611	0.763	0.826	0.896	0.936	0.962	0.981	0.984	0.988	0.995	0.996	0.997	0.998	0.999	0.999
2747.5	0.673	0.806	0.855	0.908	0.936	0.954	0.973	0.981	0.984	0.992	0.995	0.997	0.998	0.999	0.999
2750.0	0.726	0.842	0.889	0.931	0.954	0.970	0.982	0.985	0.988	0.995	0.996	0.997	0.998	0.999	0.999
2752.5	0.750	0.852	0.896	0.934	0.956	0.971	0.982	0.985	0.988	0.995	0.996	0.997	0.998	0.999	0.999
2755.0	0.732	0.844	0.894	0.934	0.956	0.971	0.982	0.985	0.988	0.995	0.996	0.997	0.998	0.999	0.999
2757.5	0.693	0.826	0.885	0.935	0.960	0.976	0.988	0.992	0.995	0.998	0.998	0.998	0.999	0.999	0.999
2760.0	0.763	0.851	0.908	0.946	0.967	0.978	0.988	0.991	0.994	0.998	0.998	0.998	0.999	1.000	1.000
2762.5	0.832	0.895	0.937	0.970	0.984	0.992	0.996	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000
2765.0	0.858	0.883	0.913	0.951	0.969	0.981	0.993	0.996	0.997	0.999	0.999	0.999	0.999	1.000	1.000
2767.5	0.829	0.868	0.906	0.945	0.968	0.979	0.992	0.995	0.997	0.999	0.999	0.999	0.999	1.000	1.000
2770.0	0.934	0.940	0.957	0.980	0.990	0.995	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2772.5	0.963	0.962	0.971	0.990	0.995	0.997	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2775.0	0.973	0.969	0.975	0.992	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2777.5	0.969	0.967	0.974	0.992	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2780.0	0.932	0.941	0.963	0.987	0.994	0.997	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2782.5	0.911	0.930	0.956	0.985	0.993	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2785.0	0.894	0.921	0.951	0.983	0.992	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2787.5	0.883	0.915	0.947	0.982	0.992	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2790.0	0.883	0.915	0.947	0.982	0.992	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2792.5	0.883	0.915	0.947	0.982	0.992	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2795.0	0.883	0.915	0.947	0.982	0.992	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2797.5	0.883	0.915	0.947	0.982	0.992	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2800.0	0.883	0.915	0.947	0.982	0.992	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2802.5	0.883	0.915	0.947	0.982	0.992	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2805.0	0.883	0.915	0.947	0.982	0.992	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2807.5	0.883	0.915	0.947	0.982	0.992	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2810.0	0.883	0.915	0.947	0.982	0.992	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2812.5	0.883	0.915	0.947	0.982	0.992	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2815.0	0.883	0.915	0.947	0.982	0.992	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2817.5	0.883	0.915	0.947	0.982	0.992	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2820.0	0.883	0.915	0.947	0.982	0.992	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2822.5	0.883	0.915	0.947	0.982	0.992	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2825.0	0.883	0.915	0.947	0.982	0.992	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2827.5	0.883	0.915	0.947	0.982	0.992	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2830.0	0.883	0.915	0.947	0.982	0.992	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2832.5	0.883	0.915	0.947	0.982	0.992	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2835.0	0.883	0.915	0.947	0.982	0.992	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2837.5	0.883	0.915	0.947	0.982	0.992	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2840.0	0.883	0.915	0.947	0.982	0.992	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2842.5	0.883	0.915	0.947	0.982	0.992	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2845.0	0.883	0.915	0.947	0.982	0.992	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2847.5	0.878	0.926	0.962	0.986	0.995	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2850.0	0.883	0.931	0.965	0.988	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2852.5	0.916	0.946	0.973	0.992	0.997	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2855.0	0.945	0.962	0.980	0.995	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2857.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2860.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2862.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2865.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2867.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2870.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2872.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2875.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2877.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2880.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2882.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2885.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2887.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2890.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2892.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2895.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2897.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2900.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2902.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2905.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2907.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2910.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2912.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2915.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2917.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2920.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2922.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2925.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2927.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2930.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2932.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2935.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2937.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2940.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2942.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2945.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2947.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2950.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2952.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2955.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2957.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2960.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2962.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2965.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2967.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2970.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2972.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2975.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2977.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2980.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2982.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2985.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2987.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2990.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2992.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2995.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2997.5	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
3000.0	0.957	0.970	0.984	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999

FREQ.	UPR.CM.] 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
3045.0	0.116	0.373	0.511	0.630	0.752	0.819	0.870	0.917	0.941	0.958	0.976	0.982	0.987	0.992	0.995
3047.5	0.148	0.389	0.520	0.724	0.808	0.861	0.900	0.936	0.955	0.968	0.980	0.986	0.990	0.994	0.996
3050.0	0.193	0.462	0.597	0.824	0.898	0.933	0.946	0.960	0.971	0.974	0.985	0.990	0.993	0.997	0.998
3052.5	0.260	0.564	0.686	0.886	0.936	0.957	0.973	0.984	0.993	0.985	0.992	0.994	0.995	0.998	0.999
3055.0	0.415	0.697	0.805	0.935	0.963	0.974	0.984	0.992	0.996	0.992	0.996	0.997	0.997	1.000	1.000
3057.5	0.297	0.546	0.657	0.766	0.833	0.860	0.905	0.944	0.962	0.974	0.984	0.989	0.992	0.995	0.997
3060.0	0.344	0.720	0.817	0.879	0.928	0.951	0.967	0.980	0.986	0.991	0.995	0.997	0.998	0.999	0.999
3062.5	0.427	0.664	0.762	0.856	0.908	0.934	0.956	0.969	0.978	0.988	0.993	0.995	0.997	0.998	0.999
3065.0	0.367	0.636	0.725	0.828	0.896	0.933	0.960	0.972	0.980	0.987	0.992	0.994	0.996	0.998	0.999
3067.5	0.295	0.593	0.695	0.812	0.884	0.923	0.956	0.969	0.978	0.986	0.991	0.993	0.996	0.998	0.999
3070.0	0.276	0.586	0.693	0.815	0.888	0.928	0.960	0.973	0.981	0.988	0.992	0.994	0.996	0.998	0.999
3072.5	0.302	0.610	0.716	0.833	0.901	0.938	0.964	0.975	0.982	0.988	0.992	0.994	0.996	0.998	0.999
3075.0	0.363	0.657	0.753	0.855	0.913	0.945	0.967	0.977	0.983	0.989	0.992	0.994	0.996	0.998	0.999
3077.5	0.437	0.712	0.796	0.878	0.926	0.952	0.970	0.979	0.984	0.989	0.992	0.994	0.996	0.998	0.999
3080.0	0.515	0.768	0.839	0.900	0.939	0.959	0.973	0.981	0.986	0.990	0.993	0.995	0.997	0.998	0.999
3082.5	0.588	0.819	0.878	0.920	0.949	0.966	0.977	0.984	0.988	0.991	0.994	0.995	0.997	0.998	0.999
3085.0	0.648	0.860	0.909	0.938	0.958	0.971	0.981	0.986	0.990	0.992	0.994	0.996	0.997	0.998	0.999
3087.5	0.687	0.888	0.931	0.954	0.968	0.977	0.985	0.989	0.992	0.993	0.995	0.996	0.998	0.999	0.999
3090.0	0.704	0.900	0.939	0.962	0.974	0.981	0.988	0.991	0.994	0.994	0.996	0.997	0.998	0.999	0.999
3092.5	0.696	0.896	0.939	0.963	0.975	0.982	0.989	0.992	0.994	0.995	0.996	0.997	0.998	0.999	0.999
3095.0	0.672	0.879	0.929	0.958	0.973	0.982	0.989	0.992	0.994	0.995	0.996	0.997	0.998	0.999	0.999
3097.5	0.727	0.916	0.954	0.973	0.982	0.988	0.992	0.994	0.995	0.996	0.997	0.998	0.999	0.999	0.999
3100.0	0.805	0.947	0.968	0.982	0.988	0.992	0.994	0.995	0.996	0.997	0.998	0.998	0.999	0.999	0.999
3102.5	0.866	0.966	0.978	0.988	0.992	0.994	0.995	0.996	0.997	0.998	0.998	0.999	0.999	0.999	0.999
3105.0	0.894	0.973	0.982	0.990	0.993	0.995	0.996	0.997	0.998	0.998	0.999	0.999	0.999	0.999	0.999
3107.5	0.885	0.971	0.981	0.990	0.993	0.995	0.996	0.997	0.998	0.998	0.999	0.999	0.999	0.999	0.999
3110.0	0.840	0.960	0.976

WATER VAPOR 0.01 ATMOSPHERE PRESSURE

T=300° K

U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
302.5	0.941	0.944	0.946	0.947	0.948	0.949	0.949	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1300.0	0.991	0.991	0.991	0.992	0.992	0.992	0.993	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1302.5	0.991	0.991	0.991	0.992	0.992	0.992	0.993	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1305.0	0.991	0.991	0.991	0.992	0.992	0.992	0.993	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1307.5	0.991	0.991	0.991	0.992	0.992	0.992	0.993	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2310.0	0.985	0.989	0.991	0.990	0.994	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2312.5	0.981	0.987	0.990	0.988	0.992	0.995	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2315.0	0.982	0.987	0.990	0.988	0.992	0.995	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2317.5	0.982	0.987	0.990	0.988	0.992	0.995	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3322.5	0.991	0.994	0.996	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3325.0	0.991	0.994	0.996	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3327.5	0.991	0.994	0.996	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3330.0	0.979	0.986	0.990	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3332.5	0.985	0.991	0.994	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3335.0	0.989	0.993	0.995	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3337.5	0.989	0.993	0.995	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3340.0	0.993	0.994	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3342.5	0.993	0.994	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3345.0	0.992	0.993	0.995	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3347.5	0.992	0.993	0.995	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3350.0	0.993	0.994	0.995	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3352.5	0.993	0.994	0.995	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3355.0	0.993	0.994	0.995	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3357.5	0.993	0.994	0.995	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3360.0	0.986	0.989	0.991	0.992	0.994	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3362.5	0.986	0.989	0.991	0.992	0.994	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3365.0	0.986	0.989	0.991	0.992	0.994	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3367.5	0.986	0.989	0.991	0.992	0.994	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3370.0	0.986	0.989	0.991	0.992	0.994	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3372.5	0.986	0.989	0.991	0.992	0.994	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3375.0	0.986	0.989	0.991	0.992	0.994	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3377.5	0.986	0.989	0.991	0.992	0.994	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3380.0	0.986	0.989	0.991	0.992	0.994	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3382.5	0.986	0.989	0.991	0.992	0.994	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3385.0	0.986	0.989	0.991	0.992	0.994	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3387.5	0.986	0.989	0.991	0.992	0.994	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3390.0	0.986	0.989	0.991	0.992	0.994	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3392.5	0.986	0.989	0.991	0.992	0.994	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3395.0	0.986	0.989	0.991	0.992	0.994	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3397.5	0.986	0.989	0.991	0.992	0.994	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4302.5	0.993	0.995	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4305.0	0.993	0.995	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4307.5	0.993	0.995	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4310.0	0.993	0.995	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4312.5	0.993	0.995	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4315.0	0.993	0.995	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4317.5	0.993	0.995	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4320.0	0.993	0.995	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4322.5	0.993	0.995	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4325.0	0.993	0.995	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4327.5	0.993	0.995	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4330.0	0.993	0.995	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4332.5	0.993	0.995	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4335.0	0.993	0.995	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4337.5	0.993	0.995	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5342.5	0.994	0.996	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5345.0	0.994	0.996	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5347.5	0.994	0.996	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5350.0	0.994	0.996	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5352.5	0.994	0.996	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5355.0	0.994	0.996	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5357.5	0.994	0.996	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6360.0	0.995	0.997	0.998	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6362.5	0.995	0.997	0.998	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6365.0	0.995	0.997	0.998	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6367.5	0.995	0.997	0.998	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6370.0	0.995	0.997	0.998	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6372.5	0.995	0.997	0.998	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6375.0	0.995	0.997	0.998	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6377.5	0.995	0.997	0.998	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7380.0	0.995	0.997	0.998	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7382.5	0.995	0.997	0.998	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7385.0	0.995	0.997	0.998	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7387.5	0.995	0.997	0.998	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7390.0	0.995	0.997	0.998	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7392.5	0.995	0.997	0.998	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7395.0	0.995	0.997	0.998	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7397.5	0.995	0.997	0.998	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

WATER VAPOR AT 0.01 ATMOSPHERE PRESSURE

T=300° K

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
						UPR.CM.)									
1935.0	0.264	0.355	0.470	0.782	0.893	0.945	0.961	0.967	0.978	0.985	0.991	0.994	0.996	0.998	0.999
1937.5	0.262	0.357	0.472	0.781	0.892	0.944	0.960	0.967	0.978	0.985	0.991	0.994	0.996	0.998	0.999
1940.0	0.258	0.353	0.468	0.779	0.891	0.943	0.960	0.966	0.978	0.985	0.991	0.994	0.996	0.998	0.999
1942.5	0.257	0.352	0.467	0.778	0.890	0.943	0.959	0.966	0.977	0.984	0.991	0.994	0.996	0.998	0.999
1945.0	0.255	0.350	0.465	0.776	0.889	0.942	0.959	0.965	0.977	0.984	0.990	0.993	0.996	0.998	0.999
1947.5	0.253	0.348	0.463	0.775	0.888	0.941	0.958	0.965	0.976	0.984	0.990	0.993	0.996	0.998	0.999
1950.0	0.252	0.347	0.462	0.774	0.887	0.941	0.958	0.965	0.976	0.983	0.990	0.993	0.995	0.998	0.999
1952.5	0.250	0.345	0.460	0.772	0.886	0.940	0.957	0.964	0.976	0.983	0.990	0.993	0.995	0.998	0.999
1955.0	0.249	0.344	0.459	0.771	0.885	0.939	0.957	0.964	0.975	0.983	0.989	0.992	0.995	0.997	0.999
1957.5	0.247	0.342	0.457	0.770	0.884	0.939	0.956	0.963	0.975	0.982	0.989	0.992	0.995	0.997	0.999
1960.0	0.246	0.341	0.456	0.768	0.883	0.938	0.956	0.963	0.974	0.982	0.989	0.992	0.994	0.997	0.999
1962.5	0.244	0.339	0.454	0.767	0.882	0.937	0.955	0.962	0.974	0.981	0.988	0.991	0.994	0.997	0.998
1965.0	0.243	0.338	0.453	0.766	0.881	0.936	0.954	0.962	0.973	0.981	0.988	0.991	0.994	0.996	0.998
1967.5	0.241	0.336	0.451	0.764	0.880	0.936	0.954	0.961	0.973	0.980	0.987	0.991	0.993	0.996	0.998
1970.0	0.240	0.335	0.450	0.763	0.879	0.935	0.953	0.961	0.972	0.980	0.987	0.990	0.993	0.996	0.998
1972.5	0.238	0.333	0.448	0.761	0.878	0.934	0.953	0.960	0.972	0.979	0.986	0.990	0.993	0.995	0.998
1975.0	0.237	0.332	0.447	0.760	0.877	0.933	0.952	0.960	0.971	0.979	0.986	0.989	0.992	0.995	0.997
1977.5	0.235	0.330	0.445	0.759	0.876	0.933	0.952	0.959	0.971	0.978	0.985	0.989	0.992	0.995	0.997
1980.0	0.234	0.329	0.444	0.757	0.875	0.932	0.951	0.959	0.970	0.978	0.985	0.988	0.992	0.994	0.997
1982.5	0.232	0.327	0.442	0.756	0.874	0.931	0.951	0.958	0.970	0.977	0.984	0.988	0.991	0.994	0.997
1985.0	0.231	0.326	0.441	0.754	0.873	0.931	0.950	0.958	0.969	0.977	0.984	0.987	0.991	0.994	0.996
1987.5	0.229	0.324	0.439	0.753	0.872	0.930	0.950	0.957	0.969	0.976	0.983	0.987	0.990	0.993	0.996
1990.0	0.228	0.323	0.438	0.752	0.871	0.929	0.949	0.957	0.968	0.976	0.983	0.986	0.990	0.993	0.996
1992.5	0.226	0.321	0.436	0.750	0.870	0.929	0.948	0.956	0.968	0.975	0.982	0.986	0.989	0.992	0.995
1995.0	0.225	0.320	0.435	0.749	0.869	0.928	0.948	0.956	0.967	0.975	0.982	0.985	0.989	0.992	0.995
1997.5	0.223	0.318	0.433	0.747	0.868	0.927	0.947	0.955	0.967	0.974	0.981	0.985	0.988	0.991	0.994
2000.0	0.222	0.317	0.432	0.746	0.867	0.926	0.946	0.955	0.966	0.974	0.981	0.984	0.988	0.991	0.994
2002.5	0.220	0.315	0.430	0.745	0.866	0.926	0.946	0.954	0.966	0.973	0.980	0.984	0.987	0.990	0.993
2005.0	0.219	0.314	0.429	0.743	0.865	0.925	0.945	0.954	0.965	0.973	0.980	0.983	0.987	0.990	0.993
2007.5	0.217	0.312	0.427	0.742	0.864	0.924	0.944	0.953	0.965	0.972	0.979	0.983	0.986	0.989	0.992
2010.0	0.216	0.311	0.426	0.740	0.863	0.923	0.944	0.953	0.964	0.972	0.979	0.982	0.986	0.989	0.992
2012.5	0.214	0.309	0.424	0.739	0.862	0.923	0.943	0.952	0.964	0.971	0.978	0.982	0.985	0.988	0.991
2015.0	0.213	0.308	0.423	0.738	0.861	0.922	0.942	0.952	0.963	0.971	0.978	0.981	0.985	0.988	0.991
2017.5	0.211	0.306	0.421	0.736	0.860	0.921	0.942	0.951	0.963	0.970	0.977	0.981	0.984	0.987	0.990
2020.0	0.210	0.305	0.420	0.735	0.859	0.920	0.941	0.951	0.962	0.970	0.977	0.980	0.984	0.987	0.990
2022.5	0.208	0.303	0.418	0.733	0.858	0.920	0.940	0.950	0.962	0.969	0.976	0.980	0.983	0.986	0.989
2025.0	0.207	0.302	0.417	0.732	0.857	0.919	0.940	0.950	0.961	0.969	0.976	0.979	0.983	0.986	0.989
2027.5	0.205	0.300	0.415	0.731	0.856	0.918	0.939	0.949	0.961	0.968	0.975	0.979	0.982	0.985	0.988
2030.0	0.204	0.299	0.414	0.729	0.855	0.917	0.938	0.948	0.960	0.968	0.975	0.978	0.982	0.985	0.988
2032.5	0.202	0.297	0.412	0.728	0.854	0.917	0.938	0.948	0.960	0.967	0.974	0.978	0.981	0.984	0.987
2035.0	0.201	0.296	0.411	0.727	0.853	0.916	0.937	0.947	0.959	0.967	0.974	0.977	0.981	0.984	0.987
2037.5	0.199	0.294	0.409	0.725	0.852	0.915	0.937	0.946	0.959	0.966	0.973	0.977	0.980	0.983	0.986
2040.0	0.198	0.293	0.408	0.724	0.851	0.914	0.936	0.946	0.958	0.966	0.973	0.976	0.980	0.983	0.986
2042.5	0.196	0.291	0.406	0.723	0.850	0.914	0.935	0.945	0.958	0.965	0.972	0.976	0.979	0.982	0.985
2045.0	0.195	0.290	0.405	0.721	0.849	0.913	0.935	0.945	0.957	0.965	0.972	0.975	0.979	0.982	0.985
2047.5	0.193	0.288	0.403	0.720	0.848	0.912	0.934	0.944	0.957	0.964	0.971	0.975	0.978	0.981	0.984
2050.0	0.192	0.287	0.402	0.719	0.847	0.911	0.934	0.943	0.956	0.964	0.971	0.974	0.978	0.981	0.984
2052.5	0.190	0.285	0.400	0.717	0.846	0.911	0.933	0.943	0.956	0.963	0.970	0.974	0.977	0.980	0.983
2055.0	0.189	0.284	0.399	0.716	0.845	0.910	0.932	0.942	0.955	0.963	0.970	0.973	0.977	0.980	0.983
2057.5	0.187	0.282	0.397	0.715	0.844	0.909	0.932	0.942	0.955	0.962	0.969	0.973	0.976	0.979	0.982
2060.0	0.186	0.281	0.396	0.713	0.843	0.908	0.931	0.941	0.954	0.962	0.969	0.972	0.976	0.979	0.982
2062.5	0.184	0.279	0.394	0.712	0.842	0.908	0.931	0.941	0.954	0.961	0.968	0.972	0.975	0.978	0.981
2065.0	0.183	0.278	0.393	0.711	0.841	0.907	0.930	0.940	0.953	0.961	0.968	0.971	0.975	0.978	0.981
2067.5	0.181	0.276	0.391	0.709	0.840	0.906	0.929	0.939	0.953	0.960	0.967	0.971	0.974	0.977	0.980
2070.0	0.180	0.275	0.390	0.708	0.839	0.905	0.929	0.939	0.952	0.960	0.967	0.970	0.974	0.977	0.980
2072.5	0.178	0.273	0.388	0.707	0.838	0.905	0.928	0.938	0.952	0.959	0.966	0.970	0.973	0.976	0.979
2075.0	0.177	0.272	0.387	0.705	0.837	0.904	0.928	0.938	0.951	0.959	0.966	0.969	0.973	0.976	0.979
2077.5	0.175	0.270	0.385	0.704	0.836	0.903	0.927	0.937	0.951	0.958	0.965	0.969	0.972	0.975	0.978
2080.0	0.174	0.269	0.384	0.703	0.835	0.902	0.926	0.936	0.950	0.958	0.965	0.968	0.972	0.975	0.978
2082.5	0.172	0.267	0.382	0.701	0.834	0.902	0.926	0.936	0.950	0.957	0.964	0.968	0.971	0.974	0.977
2085.0	0.171	0.266	0.381	0.700	0.833	0.901	0.925	0.935	0.949	0.957	0.964	0.967	0.971	0.974	0.977
2087.5	0.169	0.264	0.379	0.699	0.832	0.900	0.925	0.935	0.948	0.956	0.963	0.967	0.970	0.973	0.976
2090.0	0.168	0.263	0.378	0.697	0.831	0.899	0.924	0.934	0.948	0.956	0.963	0.966	0.970	0.973	0.976
2092.5	0.166	0.261	0.376	0.696	0.830	0.899	0.923	0.933	0.947	0.955	0.962	0.966	0.969	0.972	0.975
2095.0	0.165	0.260	0.375	0.695	0.829	0.898	0.923	0.933	0.947	0.955	0.962	0.965	0.969	0.972	0.975
2097.5	0.163	0.258	0.373	0.693	0.828	0.897	0.922	0.932	0.946	0.954	0.961	0.965	0.968	0.971	0.974
2100.0	0.162	0.257	0.372	0.692	0.827	0.896	0.921	0.932	0.946	0.954	0.961	0.964	0.968	0.971	0.974
2102.5	0.160	0.255	0.370	0.691	0.826	0.896	0.921	0.931	0.945	0.953	0.960	0.964	0.967	0.970	0.973
2105.0	0.159	0.254	0.369	0.689	0.825	0.895	0.920	0.930	0.944	0.953	0.960	0.963	0.967	0.970	0.973
2107.5	0.157	0.252	0.367	0.688	0.824	0.894	0.919	0.930	0.944	0.952	0.959	0.963	0.966	0.969	0.972
2110.0	0.156	0.251	0.366	0.687	0.823	0.893	0.919	0.929	0.943	0.952	0.959	0.962	0.966	0.969	0.972
2112.5	0.154	0.249	0.364	0.685	0.822	0.893	0.918	0.928	0.943	0.951	0.958	0.962	0.965	0.968	0.971
2115.0	0.153	0.248	0.363	0.684	0.821	0.892	0.917	0.928	0.942	0.951	0.958	0.961	0.965	0.968	0.971
2117.5	0.151	0.246	0.361	0.683	0.820	0.891	0.917	0.927	0.942	0.950	0.957	0.961	0.964	0.967	0.970
2120.0	0.150	0.245	0.360	0.681	0.819	0.890	0.916	0.926	0.941	0.950	0.957	0.960	0.964	0.967	0.970
2122.5	0.148	0.243	0.358	0.680	0.818	0.890	0.915	0.926	0.941	0.949	0.956	0.960	0.963	0.966	0.969
2125.0	0.147	0.242	0.357	0.679	0.817	0.889	0.915	0.925	0.940	0.949	0.956	0.959	0.963	0.966	0.969
2127.5	0.145	0.240	0.355	0.677	0.816	0.888	0.914	0.924	0.940	0.948	0.955	0.959	0.962	0.965	0.968
2130.0	0.144	0.239	0.354	0.676	0.815	0.887	0.913	0.924	0.939	0.948	0.955	0.958	0.962	0.965	0.968
2132.5	0.142	0.237	0.352	0.675	0.814	0.887	0.913	0.923	0.939	0.947	0.954	0.958	0.961	0.964	0.967
2135.0	0.141	0.236	0.351	0.673	0.813	0.886	0.912	0.923	0.938	0.947	0.954	0.957	0.961	0.964	0.967
2137.5	0.139	0.234	0.349	0.672	0.812	0.885	0.911	0.922	0.938	0.946	0.953	0.957	0.960	0.963	0.966
2140.0	0.138	0.233	0.348	0.671	0.811	0.884	0.911	0.922	0.937	0.946	0.953	0.956	0.960	0.963	0.966
2142.5	0.136	0.231	0.346	0.669	0.810	0.884	0.910	0.921	0.937	0.945	0.952	0.956	0.959	0.962	0.965
2145.0	0.135	0.230	0.345	0.668	0.809	0.883	0.910	0.921	0.936	0.945	0.952	0.955	0.959	0.962	0.965
2147.5	0.133	0.228	0.343	0.667	0.808	0.882	0.909	0.920	0.936	0.944	0.951	0.955	0.958	0.961	0.964
2150.0	0.132	0.227	0.342	0.665	0.807	0.881	0.909	0.919	0.935	0.944	0.951	0.954	0.958	0.961	0.964
2152.5	0.130	0.225	0.340	0.664	0.806	0.881	0.908	0.919	0.935	0.943	0.950	0.954	0.957	0.960	0.963
2155.0	0.129	0.224	0.339	0.663	0.805	0.880	0.907	0.918	0.934	0.943	0.950	0.953	0.957	0.960	0.963
2157.5	0.127	0.222	0.337	0.661	0.804	0.879	0.907	0.918	0.933	0.942	0.949	0.953	0.956	0.959	0.962
2160.0	0.126	0.221	0.336	0.660	0.803	0.878	0.906	0.917	0.933	0.942	0.949	0.952	0.956	0.959	0.962
2162.5	0.124	0.219	0.334	0.659	0.802	0.878	0.905	0.916	0.932	0.941	0.948	0.952	0.955	0.958	0.961
2165.0	0.123	0.218	0.333	0.657	0.801	0.877	0.905	0.916	0.932	0.941	0.948	0.951	0.955	0.958	0.961
2167.5	0.121	0.216	0.331	0.656	0.800	0.876	0.904	0.915	0.931	0.940	0.947	0.951	0.954	0.957	0.960
2170.0	0.120	0.215	0.330	0.655	0.799	0.875	0.903	0.914	0.930	0.940	0.947	0.950	0.954	0.957	0.960
2172.5	0.118	0.213	0.328	0.653	0.798	0.875	0.903	0.914	0.930	0.939	0.946	0.950	0.953	0.956	0.959
2175.0	0.117	0.212	0.327	0.652	0.797	0.874	0.902	0.913	0.929	0.939	0.946	0.949	0.953	0.956	0.959
2177.5	0.115	0.210	0.325	0.651	0.796	0.873	0.902	0.913	0.929	0.938	0.945	0.949	0.952	0.955	0.958
2180.0	0.114	0.209	0.324	0.649	0.795	0.872	0.901	0.912	0.928	0.938	0.945	0.948	0.952	0.955	0.958
2182.5	0.112	0.207	0.322	0.648	0.794	0.872	0.900	0.911	0.928	0.937	0.944	0.948	0.951	0.954	0.957
2185.0	0.111	0.206	0.321	0.647	0.793	0.871	0.900	0.911	0.927	0.937	0.944	0.947	0.951	0.954	0.957
2187.5	0.109	0.204	0.319	0.645	0.792	0.870	0.899	0.910	0.926	0.936	0.943	0.947	0.950	0.953	0.956
2190.0	0.108	0.203	0.318	0.644	0.791	0.869	0.898	0.910	0.926	0.936	0.943	0.946	0.950	0.953	0.956
2192.5	0.106	0.201	0.316	0.643	0.790	0.869	0.898	0.909	0.925	0.935	0.942	0.946	0.949	0.952	0.955
2195.0	0.105	0.200	0.315	0.641	0.789	0.868	0.897	0.908	0.925	0.935	0.942	0.945	0.949	0.952	0.955
2197.5	0.103	0.198	0.313	0.640	0.788	0.867	0.896	0.908	0.924	0.934	0.941	0.945	0.948	0.951	0.954
2200.0	0.102	0.197	0.312	0.639	0.787	0.866	0.896	0.907	0.923	0.933	0.940	0.944	0.947	0.950	0.953
2202.5	0.100	0.195	0.310	0.637	0.786	0.866	0.895	0.906	0.923	0.933	0.940	0.943	0.947	0.950	0.953
2205.0	0.099	0.194	0.309	0.636	0.785	0.865	0.894	0.906	0.922	0.932	0.939	0.943	0.946	0.949	0.952
2207.5	0.097	0.192	0.307	0.635	0.784	0.864	0.894	0.905	0.921	0.932	0.939	0.942	0.946	0.949	0.952
2210.0	0.096	0.191	0.306	0.633	0.783	0.863	0.893	0.904	0.921	0.931	0.938	0.942	0.945	0.948	0.951
2212.5	0.094	0.189	0.304	0.632	0.782	0.863	0.892	0.904	0.920	0.931	0.938	0.941	0.945	0.948	0.951
2215.0	0.093	0.188	0.303	0.631	0.781	0.862	0.892	0.903	0.920	0.930	0.937	0.941	0.944	0.947	0.950
2217.5	0.091	0.186	0.301	0.630	0.780	0.861	0.891	0.903	0.919	0.930	0.937	0.940	0.944	0.947	0.950
2220.0	0.090	0.185	0.300	0.628	0.779	0.860	0.890	0.902	0.919	0.929	0.936	0.940	0.943	0.946	0.949
2222.5	0.088	0.183	0.298	0.627	0.778	0.860	0.890	0.901	0.918	0.929	0.936	0.939	0.943	0.946	0.949
2225.0	0.087	0.182	0.297	0.626	0.777	0.859	0.889	0.901	0.917	0.928	0.935	0.939	0.942	0.945	0.948
2227.5	0.085	0.180	0.295	0.625	0.776	0.858	0.888	0.900	0.917	0.928	0.935	0.938	0.942	0.945	0.948
2230.0	0.084	0.179	0.294	0.623	0.775	0.857	0.888	0.900	0.916	0.927	0.934	0.938	0.941	0.944	0.947
2232.5	0.082	0.177	0.292	0.622	0.774	0.857	0.887	0.899	0.916	0.927	0.934	0.937	0.941	0.944	0.947
2235.0	0.081	0.176	0.291	0.621	0.773	0.856	0.886	0.898	0.915	0.926	0.933	0.937	0.940	0.943	0.946
2237.5	0.079	0.174	0.289	0.620	0.772	0.855	0.886	0.898	0.914	0.926	0.933	0.936	0.940	0.943	0.946
2240.0	0.078	0.173	0.288	0.618	0.771	0.854	0.885	0.897	0.914	0.925	0.932	0.936	0.939	0.942	0.945
2242.5	0.076	0.171	0.286	0.617	0.770	0.854	0.884	0.896	0.913	0.924	0.931	0.935	0.938	0.941	0.944
2245.0	0.075	0.170	0.285	0.616	0.769	0.853	0.884	0.896	0.913	0.924	0.931	0.934	0.938	0.941	0.944

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
						UPR.CM.)									
2247.5	0.073	0.168	0.283	0.614	0.768	0.852	0.883	0.895	0.912	0.923	0.930	0.934	0.937	0.940	0.943
2250.0	0.072	0.167	0.282	0.613	0.767	0.851	0.882	0.894	0.912	0.923	0.930	0.933	0.937	0.940	0.943
2252.5	0.070	0.165	0.280	0.612	0.766	0.850	0.882	0.894	0.911	0.922	0.929	0.933	0.936	0.939	0.942
2255.0	0.069	0.164	0.279	0.610	0.765	0.850	0.881	0.893	0.910	0.922	0.929	0.932	0.936	0.939	0.942
2257.5	0.067	0.162	0.277	0.609	0.764	0.849	0.880	0.892	0.910	0.921	0.928	0.932	0.935	0.938	0.941
2260.0	0.066	0.161	0.276	0.608	0.763	0.848	0.880	0.892	0.909	0.921	0.928	0.931	0.935	0.938	0.941
2262.5	0.064	0.159	0.274	0.607	0.762	0.847	0.879	0.891	0.909	0.920	0.927	0.931	0.934	0.937	0.940
2265.0	0.063	0.158	0.273	0.605	0.761	0.847	0.878	0.891	0.908	0.920	0.927	0.930	0.934	0.937	0.940
2267.5	0.061	0.156	0.271	0.604	0.760	0.846	0.878	0.890	0.908	0.919	0.926	0.930	0.933	0.936	0.939
2270.0	0.060	0.155	0.270	0.603	0.759	0.845	0.877	0.889	0.907	0.919	0.926	0.929	0.933	0.936	0.939
2272.5	0.058	0.153	0.268	0.601	0.758	0.844	0.876	0.888	0.906	0.918	0.925	0.929	0.932	0.935	0.938
2275.0	0.057	0.152	0.267	0.600	0.757	0.844	0.876	0.888	0.906	0.918	0.925	0.928	0.932	0.935	0.938
2277.5	0.055	0.150	0.265	0.599	0.756	0.843	0.875	0.887	0.905	0.917	0.924	0.928	0.931	0.934	0.937
2280.0	0.054	0.149	0.264	0.597	0.755	0.842	0.874	0.886	0.904	0.916	0.923	0.927	0.930	0.933	0.936
2282.5	0.052	0.147	0.262	0.596	0.754	0.841	0.874	0.886	0.904	0.916	0.923	0.926	0.930	0.933	0.936
2285.0	0.051	0.146	0.261	0.595	0.753	0.841	0.873	0.885	0.903	0.915	0.922	0.926	0.929	0.932	0.935
2287.5	0.049	0.144	0.259	0.593	0.752	0.840	0.872	0.884	0.902	0.914	0.921	0.925	0.928	0.931	0.934
2290.0	0.048	0.143	0.258	0.592	0.751	0.839	0.871	0.884	0.902	0.914	0.921	0.924	0.928	0.931	0.934
2292.5	0.046	0.141	0.256	0.591	0.750	0.838	0.871	0.883	0.901	0.913	0.920	0.924	0.927	0.930	0.933
2295.0	0.045	0.140	0.255	0.589	0.749	0.838	0.870	0.882	0.900	0.912	0.919	0.923	0.926	0.929	0.932
2297.5	0.043	0.138	0.253	0.588	0.748	0.837	0.869	0.881	0.900	0.912	0.919	0.922	0.926	0.929	0.932
2300.0	0.042	0.137	0.252	0.587	0.747	0.836	0.868	0.881	0.899	0.911	0.918	0.922	0.925	0.928	0.931
2302.5	0.040	0.135	0.250	0.585	0.746	0.835	0.868	0.880	0.898	0.910	0.917	0.921	0.924	0.927	0.930
2305.0	0.039	0.134	0.249	0.584	0.745	0.834	0.867	0.879	0.898	0.910	0.917	0.920	0.924	0.927	0.930
2307.5	0.037	0.132	0.247	0.583	0.744	0.834	0.866	0.879	0.897	0.909	0.916	0.920	0.923	0.926	0.929
2310.0	0.036	0.131	0.246	0.581	0.743	0.833	0.866	0.878	0.896	0.908	0.915	0.919	0.922	0.925	0.928
2312.5	0.034	0.129	0.244	0.580	0.742	0.832	0.865	0.877	0.896	0.908	0.915	0.918	0.922	0.925	0.928
2315.0	0.033	0.128	0.243	0.579	0.741	0.831	0.864	0.877	0.895	0.907	0.914	0.918	0.921	0.924	0.927
2317.5	0.031	0.126	0.241	0.578	0.740	0.831	0.864	0.876	0.894	0.906	0.913	0.917	0.920	0.923	0.926
2320.0	0.030	0.125	0.240	0.576	0.739	0.830	0.863	0.875	0.894	0.906	0.913	0.916	0.920	0.923	0.926
2322.5	0.028	0.123	0.238	0.575	0.738	0.829	0.862	0.875	0.893	0.905	0.912	0.916	0.919	0.922	0.925
2325.0	0.027	0.122	0.237	0.574	0.737	0.828	0.862	0.874	0.893	0.905	0.912	0.915	0.919	0.922	0.925
2327.5	0.025	0.120	0.235	0.573	0.736	0.828	0.861	0.873	0.892	0.904	0.911	0.915	0.918	0.921

WATER VAPOR 0.01 ATMOSPHERE PRESSURE

T=300° K

U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
2872.5	0.861	0.912	0.937	0.956	0.973	0.981	0.988	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
2875.0	0.807	0.875	0.910	0.936	0.960	0.973	0.982	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000
2877.5	0.763	0.845	0.889	0.921	0.950	0.965	0.976	0.986	0.991	0.994	0.997	0.998	0.999	0.999	1.000
2880.0	0.792	0.865	0.903	0.931	0.957	0.970	0.979	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000
2882.5	0.849	0.904	0.932	0.952	0.970	0.979	0.986	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
2885.0	0.869	0.918	0.942	0.959	0.975	0.983	0.989	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000
2887.5	0.852	0.905	0.933	0.953	0.971	0.980	0.987	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2890.0	0.829	0.890	0.922	0.945	0.966	0.976	0.984	0.991	0.994	0.997	0.998	0.999	0.999	1.000	1.000
2892.5	0.812	0.879	0.914	0.939	0.962	0.973	0.982	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000
2895.0	0.795	0.868	0.905	0.933	0.958	0.971	0.980	0.988	0.993	0.995	0.997	0.998	0.999	1.000	1.000
2897.5	0.802	0.873	0.909	0.936	0.960	0.973	0.981	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000
2900.0	0.812	0.880	0.914	0.940	0.963	0.975	0.983	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000
2902.5	0.791	0.865	0.904	0.932	0.957	0.970	0.979	0.987	0.991	0.994	0.996	0.998	0.998	0.999	1.000
2905.0	0.745	0.834	0.881	0.915	0.946	0.962	0.973	0.984	0.989	0.992	0.995	0.997	0.998	0.999	0.999
2907.5	0.727	0.821	0.871	0.908	0.942	0.959	0.971	0.983	0.988	0.992	0.995	0.997	0.998	0.999	0.999
2910.0	0.757	0.842	0.887	0.920	0.950	0.965	0.976	0.985	0.990	0.994	0.996	0.998	0.999	0.999	1.000
2912.5	0.802	0.874	0.910	0.937	0.961	0.973	0.982	0.989	0.993	0.995	0.998	0.998	0.999	1.000	1.000
2915.0	0.806	0.876	0.912	0.938	0.961	0.973	0.982	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000
2917.5	0.787	0.863	0.903	0.931	0.957	0.970	0.979	0.988	0.992	0.994	0.997	0.998	0.999	0.999	1.000
2920.0	0.783	0.861	0.901	0.930	0.956	0.970	0.979	0.987	0.991	0.994	0.997	0.998	0.998	0.999	1.000
2922.5	0.775	0.856	0.898	0.925	0.955	0.968	0.978	0.986	0.991	0.994	0.996	0.998	0.998	0.999	0.999
2925.0	0.726	0.820	0.870	0.907	0.941	0.958	0.971	0.982	0.987	0.991	0.995	0.996	0.998	0.999	0.999
2927.5	0.674	0.784	0.843	0.887	0.928	0.949	0.964	0.978	0.985	0.989	0.993	0.995	0.997	0.998	0.999
2930.0	0.709	0.808	0.861	0.901	0.937	0.955	0.968	0.981	0.987	0.991	0.994	0.996	0.997	0.998	0.999
2932.5	0.787	0.865	0.904	0.932	0.957	0.970	0.979	0.987	0.992	0.994	0.997	0.998	0.999	0.999	1.000
2935.0	0.838	0.900	0.930	0.951	0.970	0.979	0.986	0.991	0.994	0.997	0.998	0.999	0.999	1.000	1.000
2937.5	0.843	0.904	0.933	0.953	0.971	0.980	0.986	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000
2940.0	0.796	0.870	0.908	0.935	0.959	0.971	0.980	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000
2942.5	0.708	0.809	0.862	0.901	0.937	0.956	0.969	0.981	0.987	0.991	0.995	0.996	0.998	0.999	0.999
2945.0	0.669	0.739	0.810	0.863	0.912	0.938	0.956	0.973	0.981	0.987	0.992	0.994	0.996	0.998	0.998
2947.5	0.601	0.734	0.807	0.861	0.911	0.937	0.955	0.972	0.981	0.986	0.992	0.994	0.996	0.998	0.998
2950.0	0.605	0.737	0.809	0.863	0.912	0.938	0.956	0.973	0.981	0.987	0.992	0.994	0.996	0.998	0.998
2952.5	0.626	0.754	0.822	0.873	0.919	0.943	0.960	0.975	0.983	0.988	0.993	0.995	0.996	0.998	0.998
2955.0	0.715	0.815	0.867	0.905	0.940	0.958	0.971	0.982	0.987	0.991	0.995	0.996	0.997	0.998	0.999
2957.5	0.782	0.861	0.904	0.932	0.958	0.971	0.980	0.988	0.992	0.994	0.997	0.998	0.998	0.999	0.999
2960.0	0.839	0.904	0.934	0.955	0.973	0.981	0.987	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000
2962.5	0.715	0.816	0.868	0.906	0.941	0.959	0.971	0.982	0.988	0.992	0.995	0.997	0.998	0.999	0.999
2965.0	0.628	0.752	0.820	0.870	0.917	0.941	0.959	0.974	0.982	0.988	0.993	0.995	0.997	0.998	0.998
2967.5	0.647	0.769	0.833	0.880	0.923	0.946	0.962	0.977	0.984	0.989	0.993	0.996	0.997	0.998	0.999
2970.0	0.656	0.776	0.839	0.885	0.927	0.949	0.964	0.978	0.985	0.990	0.994	0.996	0.997	0.998	0.999
2972.5	0.584	0.714	0.789	0.846	0.900	0.929	0.950	0.968	0.978	0.985	0.990	0.993	0.995	0.997	0.998
2975.0	0.469	0.630	0.725	0.799	0.869	0.907	0.934	0.958	0.971	0.979	0.987	0.991	0.994	0.995	0.997
2977.5	0.575	0.706	0.782	0.841	0.897	0.926	0.948	0.967	0.977	0.984	0.990	0.993	0.995	0.997	0.998
2980.0	0.735	0.831	0.880	0.916	0.947	0.963	0.975	0.985	0.989	0.993	0.996	0.997	0.998	0.999	0.999
2982.5	0.807	0.885	0.921	0.946	0.967	0.978	0.985	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
2985.0	0.789	0.873	0.910	0.937	0.961	0.973	0.982	0.989	0.993	0.995	0.997	0.998	0.999	1.000	1.000
2987.5	0.694	0.801	0.858	0.899	0.936	0.955	0.968	0.980	0.986	0.991	0.995	0.996	0.998	0.999	0.999
2990.0	0.623	0.749	0.817	0.868	0.916	0.940	0.958	0.974	0.981	0.987	0.992	0.995	0.996	0.998	0.998
2992.5	0.649	0.765	0.830	0.878	0.922	0.945	0.961	0.976	0.983	0.988	0.993	0.995	0.996	0.998	0.998
2995.0	0.778	0.858	0.899	0.929	0.956	0.969	0.979	0.987	0.991	0.994	0.996	0.997	0.998	0.999	0.999
2997.5	0.903	0.946	0.966	0.978	0.988	0.992	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
3000.0	0.888	0.936	0.957	0.971	0.984	0.989	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
3002.5	0.866	0.922	0.947	0.964	0.978	0.986	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
3005.0	0.835	0.901	0.932	0.953	0.971	0.980	0.987	0.993	0.995	0.997	0.999	0.999	1.000	1.000	1.000
3007.5	0.724	0.820	0.871	0.906	0.942	0.959	0.971	0.982	0.988	0.992	0.995	0.997	0.998	0.999	0.999
3010.0	0.632	0.755	0.823	0.873	0.919	0.942	0.959	0.975	0.982	0.988	0.993	0.995	0.997	0.998	0.999
3012.5	0.672	0.785	0.846	0.890	0.930	0.950	0.965	0.978	0.985	0.989	0.993	0.995	0.997	0.998	0.999
3015.0	0.651	0.769	0.834	0.881	0.924	0.946	0.962	0.976	0.983	0.988	0.993	0.995	0.996	0.998	0.999
3017.5	0.602	0.730	0.803	0.857	0.908	0.935	0.954	0.971	0.980	0.986	0.991	0.994	0.996	0.997	0.998
3020.0	0.434	0.605	0.707	0.786	0.862	0.901	0.930	0.956	0.970	0.979	0.987	0.991	0.994	0.996	0.997
3022.5	0.379	0.545	0.657	0.746	0.833	0.880	0.915	0.946	0.963	0.974	0.984	0.989	0.992	0.995	0.997
3025.0	0.340	0.520	0.636	0.730	0.822	0.872	0.909	0.942	0.959	0.972	0.982	0.988	0.992	0.995	0.997
3027.5	0.305	0.490	0.612	0.712	0.810	0.863	0.902	0.937	0.956	0.969	0.981	0.987	0.991	0.994	0.996
3030.0	0.277	0.460	0.585	0.688	0.792	0.849	0.892	0.931	0.951	0.965	0.978	0.985	0.989	0.993	0.996
3032.5	0.199	0.373	0.500	0.615	0.737	0.807	0.860	0.909	0.935	0.954	0.971	0.979	0.986	0.991	0.994
3035.0	0.188	0.357	0.488	0.605	0.729	0.801	0.855	0.907	0.933	0.953	0.970	0.979	0.985	0.991	0.994
3037.5	0.420	0.594	0.649	0.730	0.816	0.863	0.902	0.937	0.955	0.968	0.980	0.986	0.990	0.994	0.996
3040.0	0.659	0.770	0.832	0.878	0.921	0.944	0.960	0.975	0.982	0.988	0.992	0.995	0.996	0.998	0.998
3042.5	0.868	0.929	0.952	0.968	0.981	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3045.0	0.734	0.834	0.884	0.919	0.949	0.964	0.975	0.984	0.989	0.993	0.995	0.997	0.998	0.999	0.999
3047.5	0.634	0.756	0.823	0.873	0.919	0.943	0.959	0.975	0.982	0.988	0.992	0.995	0.996	0.998	0.999
3050.0	0.617	0.746	0.817	0.869	0.916	0.941	0.959	0.974	0.982	0.988	0.992	0.995	0.997	0.998	0.999
3052.5	0.701	0.811	0.868	0.907	0.942	0.960	0.972	0.983	0.989	0.992	0.996	0.997	0.999	0.999	0.999
3055.0	0.678	0.794	0.855	0.898	0.936	0.955	0.969	0.982	0.988	0.992	0.995	0.997	0.998	0.999	0.999
3057.5	0.540	0.689	0.774	0.837	0.896	0.926	0.948	0.968	0.978	0.985	0.990	0.993	0.995	0.997	0.998
3060.0	0.523	0.681	0.770	0.835	0.894	0.925	0.947	0.967	0.977	0.984	0.990	0.993	0.995	0.997	0.998
3062.5	0.446	0.609	0.709	0.786	0.860	0.899	0.928	0.954	0.967	0.977	0.985	0.990	0.993	0.996	0.997
3065.0	0.380	0.540	0.646	0.733	0.822	0.870	0.906	0.940	0.957	0.970	0.981	0.986	0.990	0.994	0.996
3067.5	0.352	0.517	0.628	0.720	0.813	0.864	0.902	0.937	0.955	0.968	0.980	0.986	0.990	0.994	0.996
3070.0	0.540	0.678	0.759	0.822	0.883	0.916	0.940	0.962	0.973	0.981	0.988	0.992	0.994	0.996	0.998
3072.5	0.768	0.871	0.917	0.945	0.967	0.978	0.985	0.991	0.994	0.996	0.998	0.998	0.999	0.999	1.000
3075.0	0.745	0.852	0.902	0.934	0.960	0.972	0.981	0.988	0.992	0.995	0.997	0.998	0.998	0.999	0.999
3077.5	0.542	0.671	0.751	0.814	0.876	0.910	0.936	0.959	0.971	0.980	0.987	0.991	0.994	0.996	0.997
3080.0	0.303	0.463	0.578	0.677	0.781	0.839	0.884	0.926	0.947	0.963	0.977	0.984	0.989	0.993	0.995
3082.5	0.267	0.435	0.556	0.660	0.770	0.832	0.879	0.923	0.946	0.962	0.976	0.983	0.988	0.993	0.995
3085.0	0.462	0.609	0.701	0.777	0.852	0.893	0.924	0.952	0.967	0.977	0.986	0.990	0.993	0.996	0.997
3087.5	0.659	0.792	0.858	0.903	0.941	0.960	0.973	0.984	0.990	0.993	0.996	0.998	0.998	0.999	0.999
3090.0	0.607	0.747	0.820	0.873	0.920	0.945	0.962	0.977	0.984	0.989	0.994	0.996	0.997	0.998	0.999
3092.5	0.371	0.509	0.606	0.692	0.786	0.841	0.884	0.925	0.946	0.962	0.976	0.983	0.989	0.993	0.996
3095.0	0.148	0.290	0.413	0.532	0.670	0.754	0.819	0.882	0.916	0.941	0.963	0.974	0.983	0.990	0.993
3097.5	0.079	0.212	0.340	0.471	0.624	0.719	0.793	0.866	0.905	0.935	0.958	0.971	0.980	0.988	0.992
3100.0	0.085	0.220	0.351	0.483	0.635	0.728	0.801	0.871	0.909	0.936	0.960	0.973	0.981	0.989	0.992
3102.5	0.138	0.295	0.427	0.551	0.689	0.770	0.833	0.892	0.924	0.947	0.967	0.977	0.984	0.990	0.994
3105.0	0.163	0.329	0.462	0.582	0.713	0.788	0.846	0.901	0.930	0.950	0.969	0.978	0.985	0.991	0.994
3107.5	0.177	0.354	0.490	0.610	0.735	0.807	0.860	0.910	0.936	0.955	0.972	0.980	0.986	0.992	0.994
3110.0	0.196	0.376	0.510	0.626	0.747	0.815	0.867	0.914	0.939	0.957	0.973	0.981	0.987	0.992	0.995
3112.5	0.178	0.350	0.483	0.603	0.729	0.801	0.856	0.907	0.934	0.953	0.970	0.979	0.986	0.991	0.994
3115.0	0.171	0.338	0.470	0.590	0.719	0.793	0.849	0.903	0.930	0.951	0.969	0.978	0.985	0.991	0.994
3117.5	0.181	0.347	0.478	0.595	0.722	0.795	0.851	0.904	0.931	0.951	0.969	0.978	0.985	0.991	0.994
3120.0	0.200	0.373	0.503	0.618	0.740	0.809	0.862	0.911	0.937	0.956	0.972	0.981	0.987	0.992	0.995
3122.5	0.218	0.400	0.531	0.644	0.761	0.826	0.875	0.920	0.944	0.961	0.976	0.983	0.989	0.993	0.995
3125.0	0.150	0.320	0.457	0.581	0.713	0.790	0.848	0.902	0.931	0.952	0.970	0.979	0.986	0.991	0.994
3127.5	0.170	0.342	0.476	0.597	0.725	0.799	0.855	0.907	0.934	0.954	0.971	0.980	0.986	0.992	0.994
3130.0	0.249	0.431	0.560	0.668	0.777	0.838	0.884	0.926	0.947	0.963	0.977	0.984	0.989	0.993	0.995
3132.5	0.269	0.456	0.584	0.689	0.794	0.851	0.893	0.932	0.952	0.966	0.978	0.985	0.989	0.993	0.995
3135.0	0.312	0.496	0.617	0.715	0.811	0.863	0.902	0.937	0.956	0.969	0.980	0.986	0.990	0.994	0.996
3137.5	0.402	0.587	0.671	0.756	0.838	0.883	0.916	0.947	0.962	0.974	0.984	0.989	0.992	0.995	0.997
3140.0	0.566	0.712	0.792	0.851	0.905	0.932	0.952	0.970	0.979	0.986	0.991	0.994	0.996	0.998	0.999
3142.5	0.647	0.776	0.842	0.888	0.930	0.950	0.965	0.978	0.985	0.990	0.994	0.996	0.997	0.998	0.999
3145.0	0.630	0.765	0.832	0.880	0.923	0.945	0.962	0.976	0.983	0.988	0.993	0.995	0.997	0.998	0.999
3147.5	0.653	0.801	0.858	0.899	0.935	0.954	0.968	0.980	0.986	0.990	0.994	0.996	0.997	0.998	0.999
3150.0	0.766	0.853	0.897	0.926	0.954	0.967	0.977	0.986	0.991	0.994	0.996	0.997	0.998	0.999	0.999
3152.5	0.805	0.880	0.917	0.942	0.964	0.975	0.983	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000
3155.0	0.779	0.862	0.904	0.932	0.957	0.970	0.980	0.988	0.992	0.995	0.998	0.999	0.999	1.000	1.000
3157.5	0.745	0.838	0.886	0.919	0.949	0.964	0.975	0.985	0.990	0.994	0.997	0.998	0.999	1.000	1.000
3160.0	0.763	0.852	0.896	0.927	0.954	0.968	0.978	0.987	0.991	0.994	0.997	0.998	0.999	1.000	1.000
3162.5	0.733	0.830	0.880	0.915	0.947	0.963	0.974	0.986	0.990	0.993	0.996	0.998	0.999	0.999	1.000
3165.0	0.698	0.806	0.862	0.902	0.938	0.957	0.970	0.982	0.988	0.992	0.996	0.997	0.998	0.999	0.999
3167.5	0.729	0.829	0.880	0.915	0.947	0.963	0.975	0.985	0.990	0.993	0.996	0.997	0.998	0.999	0.999
3170.0	0.655	0.774	0.838	0.884	0.927	0.948	0.964	0.978	0.985	0.990	0.994	0.996	0.997	0.998	0.999
3172.5	0.563	0.700	0.780	0.840	0.896	0.926	0.948	0.967	0.977	0.984	0.990	0.993	0.995	0.997	0.998
3175.0	0.364	0.544	0.658	0.748	0.835	0.881	0.915	0.946	0.962	0.974	0.984	0.989	0.992	0.996	0.997
3177.5	0.286	0.472	0.596	0.698	0.800	0.855	0.896	0.934	0.953	0.967	0.979	0.986	0.990	0.994	0.996
3180.0	0.304	0.490	0.612	0.711	0.809	0.862	0.901	0.937	0.955	0.968	0.980	0.986	0.991	0.994	0.996
3182.5	0.288	0.472	0.596	0.698	0.799	0.855	0.896	0.933	0.953	0.966	0.979	0.985	0.990	0.994	0.996
3185.0	0.377	0.510	0.630	0.725	0.819	0.869	0.906	0.940	0.958	0.970	0.981	0.987	0.991	0.994	0.996
3187.5	0.470	0.619	0.713	0.787	0.860	0.899	0.928	0.954	0.967	0.977	0.986	0.990	0.993	0.996	0.997
3190.0	0.625	0.756	0.826	0.876	0.921	0.944	0.961	0.976	0.983	0.988	0.993	0.995	0.997	0.998	0.999
3192.5	0.761	0.867	0.915	0.944	0.967	0.978	0.985	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
3195.0	0.553	0.694	0.774	0.836	0.893	0.924	0.946	0.966	0.976	0.983	0.990	0.993	0.995	0.997	0.998
3197.5	0.357	0.556	0.660	0.745	0.831	0.877	0.912	0.944	0.960	0.972	0.983	0.988	0.992	0.995	0.996
3200.0	0.362	0.482	0.603	0.703	0.803	0.857	0.898	0.935	0.954	0.968	0.980	0.986	0.990	0.994	0.996
3202.5	0.502	0.656	0.745	0.814	0.879	0.913	0.938	0.961	0.973	0.981	0.988	0.992	0.994	0.997	0.998
3205.0	0.689	0.817	0.877	0.916	0.949	0.965	0.976	0.986	0.990	0.993	0.996	0.997	0.998	0.999	0.999
3207.5	0.609	0.741	0.813	0.865	0.913	0.938	0.956	0.972	0.981	0.987	0.992	0.995	0.996	0.998	0.999
3210.0	0.412	0.574	0.677	0.760	0.842	0.886	0.919	0.948	0.964	0.975	0.985	0.990	0.993	0.996	0.997
3212.5	0.214	0.405	0.541	0.656	0.771	0.834	0.881	0.925	0.947	0.963	0.977	0.984	0.989	0.994	0.996
3215.0	0.203	0.393	0.533	0.650	0.768	0.837	0.880	0.924	0.947	0.963	0.977	0.984	0.989	0.993	0.995
3217.5	0.146	0.323	0.460	0.565	0.718	0.794	0.851	0.905	0.933	0.953	0.970	0.979	0.985	0.991	0.994
3220.0	0.085	0.214	0.336	0.462	0.612	0.707	0.783	0.857	0.897	0.927	0.954	0.967	0.977	0.986	0.990
3222.5	0.063	0.180	0.300	0.429	0.586	0.686	0.767	0.846	0.889	0.921	0.950	0.965	0.975	0.985	0.989
3225.0	0.225	0.360	0.486	0.569	0.689	0.764	0.825	0.885	0.917	0.941	0.963	0.974	0.982	0.989	0.992
3227.5	0.303	0.482	0.602	0.702	0.801	0.856	0.896	0.934	0.953	0.967	0.979	0.986	0.990	0.994	0.996
3230.0	0.327	0.512	0.631	0.726	0.820	0.870	0.907	0.941	0.958	0.970	0.981	0.987	0.991	0.995	0.996
3232.5	0.318	0.496	0.614	0.712	0.808	0.861	0.900	0.936	0.955	0.968	0.980	0.986	0.990	0.994	0.996
3235.0	0.499	0.647	0.736	0.805	0.872	0.908	0.934	0.958	0.970	0.979	0.987	0.991	0.993	0.996	0.997
3237.5	0.617	0.761	0.835	0.886	0.929	0.951	0.966	0.979	0.985	0.990	0.994	0.996	0.997	0.998	0.999
3240.0	0.632	0.775	0.846	0.894	0.935	0.955	0.969	0.981	0.987	0.991	0.995	0.996	0.998	0.999	0.999
3242.5	0.481	0.656	0.751	0.822	0.887	0.920	0.944	0.965	0.975	0.983	0.989	0.993	0.995	0.997	0.998
3245.0	0.347	0.520	0.632	0.725	0.817	0.867	0.905	0.939	0.957	0.970	0.981	0.987	0.991	0.994	0.996
3247.5	0.267	0.451	0.577	0.683	0.788	0.846	0.890	0.929	0.950	0.965	0.978	0.984	0.989	0.993	0.995
3250.0	0.399	0.565	0.670	0.754	0.836	0.881	0.915	0.946	0.961	0.973	0.983	0.988	0.992	0.995	0.996
3252.5	0.454	0.632	0.733	0.809	0.877	0.913	0.938	0.961	0.973	0.981	0.988	0.992	0.994	0.997	0.998
3255.0	0.383	0.549	0.655	0.742	0.828	0.875	0.910	0.942	0.959	0.971	0.982	0.987	0.991	0.995	0.996
3257.5	0.181	0.352	0.486	0.603	0.728	0.800	0.855	0.906	0.933	0.953	0.970	0.979	0.985	0.991	0.994
3260.0	0.181	0.350	0.482	0.600	0.726	0.799	0.854	0.906	0.933	0.952	0.970	0.979	0.985	0.991	0.994
3262.5	0.396	0.548	0.649	0.735	0.821	0.870	0.906	0.940	0.958	0.970	0.981	0.987	0.991	0.995	0.996
3265.0	0.563	0.711	0.791	0.851	0.905	0.933	0.953	0.971	0.980	0.986	0.991	0.994	0.996	0.998	0.999
3267.5	0.651	0.786	0.852	0.899	0.937	0.957	0.970	0.982	0.988	0.992	0.995	0.997	0.998	0.999	0.999
3270.0	0.537	0.701	0.788	0.851	0.906	0.935	0.955	0.972	0.981	0.987	0.992	0.995	0.997	0.998	0.999
3272.5	0.424	0.604	0.709	0.790	0.866	0.905	0.933	0.958	0.971	0.980	0.988	0.992	0.994	0.997	0.998
3275.0	0.251	0.419	0.539	0.645	0.756	0.821	0.870	0.916	0.940	0.958	0.974	0.982	0.987	0.992	0.995
3277.5	0.125	0.265	0.390	0.514	0.656	0.742	0.810	0.876	0.911	0.937	0.960	0.972	0.980	0.988	0.992
3280.0	0.090	0.226	0.354	0.483	0.635	0.725	0.797	0.867	0.905	0.932	0.957	0.970	0.979	0.987	0.991
3282.5	0.103	0.249	0.381	0.509	0.656	0.743	0.812	0.877	0.912	0.937	0.960	0.972	0.981	0.988	0.992
3285.0	0.181	0.331	0.466	0.588	0.718	0.793	0.850	0.903	0.931	0.951	0.969	0.979	0.985	0.991	0.994
3287.5	0.269	0.437	0.558	0.663	0.777	0.832	0.879	0.922	0.945	0.961	0.976	0.984	0.989	0.993	0.996
3290.0	0.321	0.503	0.622	0.719	0.814	0.866	0.904	0.939	0.957	0.970	0.982	0.988	0.992	0.995	0.997
3292.5	0.338	0.570	0.637	0.731	0.823	0.873	0.909	0.943	0.960	0.972	0.983	0.988	0.992	0.995	0.997
3295.0	0.292	0.479	0.602	0.704	0.804	0.859	0.899	0.936	0.954	0.968	0.980	0.986	0.990	0.994	0.996
3297.5	0.347	0.532	0.649	0.742	0.831	0.879	0.913	0.945	0.961	0.973	0.983	0.988	0.992	0.995	0.996
3300.0	0.364	0.551	0.666	0.756	0.841	0.886	0.919	0.949	0.964	0.975	0.984	0.989	0.992	0.995	0.997
3302.5	0.345	0.533	0.651	0.744	0.833	0.880	0.915	0.946	0.962	0.973	0.983	0.988	0.992	0.995	0.997
3305.0	0.305	0.497	0.621	0.721	0.817	0.868	0.906	0.940	0.958	0.970	0.982	0.987	0.991	0.995	0.996
3307.5	0.243	0.428	0.557	0.666	0.777	0.836	0.883	0.925	0.947	0.963	0.977	0.984	0.989	0.993	0.995
3310.0	0.196	0.376	0.508	0.625	0.746	0.814	0.865	0.913	0.939	0.957	0.973	0.981	0.987	0.992	0.994
3312.5	0.213	0.392	0.523	0.637	0.754	0.821	0.871	0.917	0.941	0.958	0.974	0.982	0.987	0.992	0.995
3315.0	0.366	0.542	0.654	0.743	0.830	0.878	0.913	0.945	0.961	0.973	0.983	0.988	0.992	0.995	0.997
3317.5	0.446	0.626	0.729	0.805	0.876	0.912	0.938	0.962	0.973	0.982	0.989	0.992	0.995	0.997	0.998
3320.0	0.486	0.659	0.755	0.825	0.889	0.921	0.945	0.966	0.976	0.983	0.990	0.993	0.995	0.997	0.998
3322.5	0.435	0.614	0.718	0.797	0.869	0.907	0.934	0.959	0.971	0.980	0.987	0.991	0.994	0.996	0.998
3325.0	0.462	0.638	0.736	0.811	0.878	0.913	0.939	0.962	0.973	0.981	0.988	0.992	0.994	0.997	0.998
3327.5	0.464	0.638	0.736	0.811	0.878	0.914	0.939	0.962	0.973	0.981	0.989	0.992	0.995	0.997	0.998
3330.0	0.465	0.640	0.738	0.813	0.880	0.915	0.940	0.962	0.974	0.982	0.989	0.992	0.995	0.997	0.998
3332.5	0.545	0.706	0.792	0.853	0.907	0.935	0.954	0.972	0.980	0.986	0.992	0.994	0.996	0.998	0.998
3335.0	0.492	0.661	0.755	0.825	0.888	0.921	0.944	0.965	0.976	0.983	0.990	0.993	0.995	0.997	0.998
3337.5	0.374	0.531	0.636	0.724	0.813	0.864	0.902	0.937	0.955	0.969	0.980	0.986	0.991	0.994	0.996
3340.0	0.188	0.363	0.476	0.623	0.736	0.807	0.860	0.910	0.936	0.955	0.972	0.980	0.986	0.992	0.994
3342.5	0.241	0.417	0.543	0.651	0.764	0.827	0.875	0.920	0.944	0.960	0.975	0.983	0.988	0.993	0.995
3345.0	0.292	0.485	0.611	0.712	0.811	0.864	0.903	0.939	0.958	0.971	0.982	0.987	0.991	0.995	0.996
3347.5	0.292	0.485	0.612	0.714	0.812	0.865	0.904	0.940	0.958	0.971	0.982	0.988	0.992	0.995	0.997
3350.0	0.300	0.497	0.623	0.724	0.819	0.870	0.908	0.942	0.959	0.972	0.983	0.988	0.992	0.995	0.997
3352.5	0.275	0.471	0.601	0.706	0.807	0.862	0.901	0.938	0.956	0.969	0.981	0.987	0.991	0.995	0.996
3355.0	0.244	0.425	0.553	0.662	0.773	0.834	0.881	0.924	0.946	0.962	0.976	0.983	0.988	0.993	0.995
3357.5	0.167	0.348	0.488	0.610	0.737	0.808	0.861	0.911	0.937	0.956	0.972	0.981	0.986	0.992	0.994
3360.0	0.265	0.451	0.577	0.682	0.787	0.846	0.889	0.929	0.950	0.965	0.978	0.985	0.990	0.994	0.995
3362.5	0.329	0.513	0.638	0.753	0.841	0.887	0.920	0.950	0.966	0.976	0.986	0.990	0.993	0.996	0.997
3365.0	0.341	0.545	0.668	0.761	0.847	0.892	0.923	0.952	0.967	0.977	0.986	0.991	0.994	0.996	0.997
3367.5	0.314	0.516	0.644	0.742	0.834	0.882	0.916	0.948	0.963	0.975	0.985	0.990	0.993	0.996	0.997
3370.0	0.259	0.451	0.580	0.687	0.792	0.850	0.892	0.932	0.952	0.967	0.980	0.986	0.991	0.994	0.996
3372.5	0.195	0.372	0.505	0.622	0.744	0.813	0.864	0.913	0.939	0.957	0.974	0.982	0.988	0.993	0.995
3375.0	0.205	0.384	0.517	0.632	0.751	0.818	0.869	0.916	0.940	0.958	0.974	0.982	0.988	0.993	0.995
3377.5	0.332	0.528	0.649	0.743	0.833	0.880	0.914	0.946	0.962	0.973	0.984	0.989	0.993	0.996	0.997
3380.0	0.355	0.560	0.681	0.771	0.854	0.897	0.927	0.954	0.968	0.978	0.987	0.991	0.994	0.997	0.998
3382.5	0.286	0.485	0.614	0.717	0.815	0.867	0.905	0.940	0.958	0.971	0.982	0.988	0.992	0.995	0.997
3385.0	0.297	0.493	0.620	0.720	0.817	0.868	0.906	0.941	0.958	0.971	0.982	0.988	0.992	0.995	0.997
3387.5	0.340	0.543	0.666	0.759	0.845	0.890	0.922	0.951	0.966	0.976	0.986	0.990	0.993	0.996	0.997
3390.0	0.322	0.519	0.641	0.737	0.829	0.877	0.912	0.945	0.961	0.973	0.984	0.989	0.992	0.995	0.997
3392.5	0.230	0.429	0.564	0.676	0.786	0.846	0.889	0.930	0.950	0.965	0.979	0.985	0.990	0.994	0.996
3395.0	0.219	0.415	0.552	0.665	0.778	0.839	0.885	0.927	0.948	0.964	0.978	0.985	0.989	0.994	0.996
3397.5	0.246	0.451	0.586	0.696	0.802	0.858	0.899	0.936	0.955	0.969	0.981	0.987	0.991	0.995	0.997
3400.0	0.317	0.517	0.642	0.739	0.832	0.880	0.915	0.947	0.963	0.974	0.984	0.990	0.993	0.996	0.997

U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001

WATER VAPOR AT 1.00 ATMOSPHERE PRESSURE

T=250° K

WATER VAPOR AT 1.00 ATMOSPHERE PRESSURE

T = 250° K

FREQ.	UPR.CM.] 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1935.0	0.000	0.000	0.000	0.001	0.031	0.139	0.331	0.604	0.780	0.883	0.959	0.988	0.984	0.994	0.997
1937.5	0.000	0.000	0.000	0.000	0.010	0.065	0.168	0.392	0.533	0.669	0.860	0.936	0.969	0.993	0.999
1940.0	0.000	0.000	0.000	0.000	0.007	0.041	0.111	0.283	0.398	0.557	0.803	0.906	0.960	0.992	0.999
1942.5	0.000	0.000	0.000	0.000	0.000	0.003	0.018	0.090	0.195	0.351	0.619	0.845	0.930	0.985	0.997
1945.0	0.000	0.000	0.000	0.000	0.000	0.00	0.002	0.161	0.274	0.422	0.684	0.859	0.940	0.989	0.998
1947.5	0.000	0.000	0.000	0.001	0.022	0.087	0.184	0.369	0.518	0.649	0.782	0.857	0.933	0.959	0.979
1950.0	0.000	0.000	0.000	0.000	0.011	0.120	0.264	0.490	0.625	0.740	0.843	0.903	0.943	0.976	0.986
1952.5	0.000	0.000	0.000	0.002	0.044	0.169	0.334	0.594	0.731	0.828	0.910	0.949	0.972	0.988	0.994
1955.0	0.000	0.000	0.000	0.004	0.069	0.196	0.376	0.599	0.729	0.824	0.907	0.947	0.971	0.988	0.994
1957.5	0.000	0.000	0.000	0.005	0.071	0.211	0.398	0.624	0.750	0.841	0.919	0.955	0.974	0.990	0.995
1960.0	0.000	0.000	0.000	0.005	0.077	0.229	0.429	0.660	0.781	0.865	0.935	0.965	0.981	0.992	0.996
1962.5	0.000	0.000	0.000	0.004	0.076	0.227	0.428	0.668	0.798	0.887	0.947	0.973	0.986	0.994	0.997
1965.0	0.000	0.000	0.000	0.001	0.071	0.213	0.409	0.660	0.799	0.899	0.958	0.980	0.990	0.996	0.998
1967.5	0.000	0.000	0.000	0.000	0.064	0.199	0.386	0.644	0.795	0.904	0.966	0.985	0.993	0.997	0.999
1970.0	0.000	0.000	0.000	0.000	0.060	0.195	0.377	0.634	0.789	0.907	0.969	0.987	0.994	0.998	0.999
1972.5	0.000	0.000	0.000	0.001	0.062	0.198	0.382	0.640	0.795	0.910	0.972	0.988	0.995	0.998	0.999
1975.0	0.000	0.000	0.000	0.002	0.065	0.206	0.395	0.654	0.808	0.919	0.976	0.990	0.996	0.999	1.000
1977.5	0.000	0.000	0.000	0.004	0.072	0.221	0.419	0.680	0.831	0.934	0.981	0.992	0.997	0.999	1.000
1980.0	0.000	0.000	0.000	0.006	0.084	0.247	0.460	0.720	0.870	0.952	0.986	0.995	0.998	0.999	1.000
1982.5	0.000	0.000	0.000	0.008	0.101	0.284	0.520	0.768	0.907	0.966	0.991	0.997	0.999	1.000	1.000
1985.0	0.000	0.000	0.000	0.011	0.126	0.338	0.600	0.820	0.939	0.976	0.994	0.998	0.999	1.000	1.000
1987.5	0.000	0.000	0.000	0.015	0.161	0.411	0.688	0.870	0.964	0.984	0.996	0.999	1.000	1.000	1.000
1990.0	0.000	0.000	0.000	0.021	0.208	0.501	0.768	0.913	0.979	0.990	0.998	0.999	1.000	1.000	1.000
1992.5	0.000	0.000	0.000	0.028	0.268	0.604	0.837	0.947	0.989	0.995	0.999	1.000	1.000	1.000	1.000
1995.0	0.000	0.000	0.000	0.036	0.339	0.707	0.894	0.971	0.995	0.998	1.000	1.000	1.000	1.000	1.000
1997.5	0.000	0.000	0.000	0.045	0.414	0.795	0.935	0.985	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2000.0	0.000	0.000	0.000	0.053	0.479	0.859	0.962	0.993	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2002.5	0.000	0.000	0.000	0.059	0.530	0.900	0.978	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2005.0	0.000	0.000	0.000	0.062	0.564	0.926	0.988	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2007.5	0.000	0.000	0.000	0.064	0.583	0.942	0.993	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2010.0	0.000	0.000	0.000	0.065	0.593	0.952	0.995	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2012.5	0.000	0.000	0.000	0.065	0.598	0.958	0.996	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2015.0	0.000	0.000	0.001	0.065	0.600	0.961	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2017.5	0.000	0.000	0.001	0.065	0.601	0.963	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2020.0	0.000	0.000	0.001	0.065	0.601	0.963	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2022.5	0.000	0.000	0.001	0.065	0.601	0.963	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2025.0	0.000	0.000	0.001	0.065	0.601	0.963	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2027.5	0.000	0.000	0.001	0.065	0.601	0.963	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2030.0	0.000	0.000	0.001	0.065	0.601	0.963	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2032.5	0.000	0.000	0.001	0.065	0.601	0.963	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2035.0	0.000	0.000	0.002	0.076	0.130	0.393	0.604	0.788	0.897	0.946	0.973	0.989	0.995	0.999	1.000
2037.5	0.000	0.000	0.002	0.089	0.144	0.419	0.577	0.735	0.858	0.876	0.932	0.958	0.977	0.990	0.995
2040.0	0.000	0.000	0.000	0.095	0.153	0.439	0.567	0.705	0.847	0.761	0.861	0.915	0.954	0.979	0.989
2042.5	0.000	0.000	0.000	0.097	0.158	0.452	0.572	0.701	0.847	0.703	0.813	0.878	0.931	0.968	0.983
2045.0	0.000	0.000	0.001	0.098	0.161	0.459	0.579	0.704	0.850	0.683	0.787	0.857	0.916	0.960	0.979
2047.5	0.000	0.000	0.001	0.098	0.162	0.463	0.585	0.710	0.855	0.677	0.774	0.844	0.905	0.954	0.975
2050.0	0.000	0.000	0.001	0.098	0.163	0.465	0.589	0.715	0.860	0.676	0.768	0.836	0.898	0.950	0.973
2052.5	0.000	0.000	0.001	0.098	0.163	0.466	0.591	0.718	0.863	0.677	0.766	0.832	0.894	0.948	0.972
2055.0	0.000	0.000	0.001	0.098	0.163	0.466	0.592	0.719	0.865	0.678	0.765	0.830	0.892	0.947	0.971
2057.5	0.000	0.000	0.001	0.098	0.163	0.466	0.592	0.720	0.866	0.679	0.765	0.829	0.891	0.946	0.971
2060.0	0.000	0.001	0.001	0.098	0.163	0.466	0.592	0.720	0.866	0.679	0.765	0.829	0.891	0.946	0.971
2062.5	0.000	0.001	0.001	0.098	0.163	0.466	0.592	0.720	0.866	0.679	0.765	0.829	0.891	0.946	0.971
2065.0	0.000	0.001	0.001	0.098	0.163	0.466	0.592	0.720	0.866	0.679	0.765	0.829	0.891	0.946	0.971
2067.5	0.000	0.001	0.001	0.098	0.163	0.466	0.592	0.720	0.866	0.679	0.765	0.829	0.891	0.946	0.971
2070.0	0.000	0.001	0.001	0.098	0.163	0.466	0.592	0.720	0.866	0.679	0.765	0.829	0.891	0.946	0.971
2072.5	0.000	0.001	0.035	0.148	0.395	0.578	0.716	0.843	0.902	0.943	0.974	0.986	0.993	0.997	0.999
2075.0	0.000	0.001	0.075	0.206	0.436	0.596	0.727	0.842	0.901	0.942	0.970	0.985	0.992	0.997	0.999
2077.5	0.000	0.000	0.058	0.206	0.446	0.612	0.742	0.858	0.917	0.949	0.973	0.986	0.993	0.997	0.999
2080.0	0.000	0.000	0.029	0.171	0.425	0.616	0.752	0.878	0.937	0.962	0.980	0.990	0.995	0.998	0.999
2082.5	0.000	0.000	0.021	0.112	0.291	0.561	0.724	0.857	0.924	0.959	0.979	0.992	0.996	0.998	1.000
2085.0	0.000	0.000	0.019	0.094	0.256	0.516	0.681	0.901	0.960	0.983	0.970	0.987	0.994	0.997	0.999
2087.5	0.000	0.000	0.008	0.046	0.146	0.349	0.519	0.774	0.881	0.943	0.983	0.994	0.997	0.999	1.000
2090.0	0.000	0.000	0.001	0.013	0.061	0.206	0.355	0.606	0.737	0.852	0.950	0.983	0.993	0.998	1.000
2092.5	0.000	0.000	0.000	0.004	0.029	0.124	0.247	0.484	0.636	0.781	0.913	0.966	0.987	0.996	0.999
2095.0	0.000	0.000	0.000	0.000	0.010	0.064	0.161	0.404	0.566	0.696	0.867	0.939	0.976	0.992	0.998
2097.5	0.001	0.007	0.124	0.302	0.563	0.719	0.826	0.911	0.950	0.973	0.988	0.994	0.997	0.999	0.999
2100.0	0.001	0.006	0.121	0.297	0.551	0.708	0.815	0.902	0.943	0.969	0.986	0.993	0.997	0.999	0.999
2102.5	0.001	0.005	0.111	0.276	0.532	0.682	0.791	0.893	0.939	0.967	0.985	0.993	0.997	0.999	0.999
2105.0	0.001	0.004	0.096	0.241	0.495	0.639	0.763	0.866	0.923	0.956	0.983	0.991	0.996	0.999	0.999
2107.5	0.001	0.003	0.076	0.194	0.429	0.570	0.705	0.821	0.892	0.939	0.975	0.988	0.995	0.998	0.999
2110.0	0.001	0.004	0.128	0.282	0.511	0.659	0.771	0.870	0.934	0.952	0.978	0.988	0.994	0.998	0.999
2112.5	0.001	0.003	0.123	0.272	0.495	0.638	0.749	0.848	0.920	0.937	0.970	0.984	0.992	0.997	0.999
2115.0	0.001	0.003	0.117	0.262	0.479	0.618	0.728	0.827	0.906	0.922	0.962	0.979	0.989	0.996	0.999
2117.5	0.001	0.003	0.109	0.248	0.460	0.595	0.705	0.805	0.890	0.906	0.953	0.974	0.986	0.995	0.999
2120.0	0.001	0.002	0.096	0.226	0.432	0.567	0.678	0.780	0.871	0.889	0.943	0.968	0.983	0.994	0.999
2122.5	0.001	0.004	0.163	0.317	0.564	0.717	0.828	0.915	0.953	0.975	0.990	0.995	0.997	0.999	0.999
2125.0	0.001	0.004	0.156	0.315	0.554	0.703	0.814	0.904	0.946	0.971	0.988	0.995	0.997	0.999	0.999
2127.5	0.001	0.003	0.172	0.340	0.590	0.737	0.844	0.926	0.959	0.977	0.990	0.995	0.998	0.999	1.000
2130.0	0.001	0.003	0.203	0.396	0.650	0.776	0.862	0.937	0.968	0.980	0.991	0.996	0.998	0.999	1.000
2132.5	0.001	0.005	0.286	0.535	0.762	0.870	0.931	0.966	0.983	0.990	0.996	0.998	0.999	1.000	1.000
2135.0	0.002	0.005	0.325	0.595	0.792	0.894	0.950	0.976	0.989	0.993	0.997	0.999	0.999	1.000	1.000
2137.5	0.002	0.006	0.346	0.630	0.814	0.907	0.957	0.980	0.991	0.995	0.998	0.999	1.000	1.000	1.000
2140.0	0.001	0.005	0.296	0.557	0.753	0.881	0.945	0.975	0.989	0.994	0.998	0.999	1.000	1.000	1.000
2142.5	0.001	0.004	0.246	0.484	0.691	0.850	0.926	0.966	0.984	0.992	0.997	0.999	1.000	1.000	1.000
2145.0	0.001	0.004	0.237	0.470	0.676	0.838	0.918	0.961	0.981	0.991	0.997	0.999	1.000	1.000	1.000
2147.5	0.004	0.015	0.209	0.387	0.600	0.758	0.832	0.932	0.951	0.974	0.989	0.994	0.997	0.999	1.000
2150.0	0.004	0.015	0.232	0.423	0.649	0.773	0.857	0.925	0.958	0.978	0.990	0.995	0.998	0.999	1.000
2152.5	0.004	0.016	0.256	0.463	0.696	0.791	0.881	0.936	0.964	0.981	0.992	0.996	0.998	0.999	1.000
2155.0	0.002	0.007	0.164	0.307	0.543	0.698	0.813	0.906	0.948	0.972	0.989	0.995	0.998	0.999	1.000
2157.5	0.002	0.006	0.144	0.269	0.493	0.666	0.787	0.893	0.944	0.972	0.991	0.997	0.999	1.000	1.000
2160.0	0.002	0.005	0.172	0.344	0.570	0.711	0.812	0.897	0.938	0.965	0.985	0.992	0.996	0.998	0.999
2162.5	0.005	0.021	0.205	0.383	0.603	0.735	0.827	0.901	0.942	0.967	0.986	0.993	0.997	0.999	0.999
2165.0	0.004	0.016	0.210	0.391	0.705	0.836	0.887	0.940	0.962	0.980	0.992	0.996	0.998	0.999	1.000
2167.5	0.003	0.013	0.181	0.341	0.716	0.863	0.907	0.948	0.966	0.982	0.992	0.996	0.998	0.999	1.000
2170.0	0.022	0.117	0.378	0.581	0.767	0.857	0.910	0.953	0.973	0.986	0.994	0.997	0.999	1.000	1.000
2172.5	0.036	0.216	0.418	0.609	0.781	0.865	0.916	0.954	0.974	0.988	0.994	0.997	0.998	0.999	1.000
2175.0	0.061	0.300	0.524	0.713	0.841	0.910	0.951	0.973	0.985	0.993	0.997	0.999	0.999	1.000	1.000
2177.5	0.047	0.321	0.559	0.745	0.886	0.943	0.970	0.986	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2180.0	0.044	0.262	0.511	0.733	0.903	0.963	0.984	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000
2182.5	0.022	0.119	0.339	0.529	0.725	0.830	0.897	0.951	0.973	0.986	0.994	0.997	0.999	1.000	1.000
2185.0	0.013	0.115	0.273	0.460	0.675	0.795	0.876	0.941	0.968	0.983	0.993	0.996	0.998	0.999	1.000
2187.5	0.016	0.104	0.257	0.447	0.671	0.801	0.886	0.946	0.972	0.986	0.994	0.997	0.999	1.000	1.000
2190.0	0.017	0.263	0.367	0.447	0.816	0.895	0.940	0.973	0.985	0.992	0.997	0.999	1.000	1.000	1.000
2192.5	0.081	0.368	0.582	0.782	0.902	0.957	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2195.0	0.089	0.369	0.590	0.784	0.908	0.959	0.982	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2197.5	0.079	0.334	0.558	0.736	0.880	0.939	0.968	0.986	0.993	0.996	0.999	0.999	1.000	1.000	1.000
2200.0	0.062	0.282	0.493	0.677	0.839	0.910	0.951	0.978	0.988	0.994	0.998	0.999	1.000	1.000	1.000
2202.5	0.026	0.173	0.346	0.546	0.746	0.864	0.929	0.968	0.985	0.994	0.997	0.999	1.000	1.000	1.000
2205.0	0.016	0.127	0.292	0.481	0.694	0.838	0.924	0.970	0.988	0.995	0.998	0.999	1.000	1.000	1.000
2207.5	0.016	0.141	0.349	0.487	0.750	0.892	0.954	0.984	0.995	0.998	0.999	1.000	1.000	1.000	1.000
2210.0	0.009	0.095	0.244	0.412	0.646	0.787	0.882	0.947	0.972	0.988	0.995	0.998	0.999	1.000	1.000
2212.5	0.039	0.191	0.370	0.558	0.757	0.863	0.926	0.968	0.984	0.992	0.997	0.999	0.999	1.000	1.000
2215.0	0.079	0.310	0.520	0.700	0.857	0.926	0.962	0.984	0.992	0.997	0.999	0.999	1.000	1.000	1.000
2217.5	0.129	0.436	0.643	0.803	0.943	0.982	0.993	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2220.0	0.143	0.447	0.699	0.855	0.956	0.987	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2222.5	0.115	0.396	0.617	0.784	0.909	0.959	0.981	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2225.0	0.077	0.313	0.526	0.705	0.861	0.931	0.965	0.985	0.993	0.997	0.999	0.999	1.000	1.000	1.000
2227.5	0.049	0.241	0.450	0.610	0.819	0.907	0.958	0.982	0.994	0.998	0.999	1.000	1.000	1.000	1.000
2230.0	0.050	0.249	0.456	0.644	0.854	0.933	0.973	0.990	0.996	0.999	1.000	1.000	1.000	1.000	1.000
2232.5	0.066	0.288	0.504	0.691	0.884	0.953	0.982	0.993	0.997	0.999	1.000	1.000	1.000	1.000	1.000
2235.0	0.077	0.314	0.534	0.719	0.877	939	0.969	0.987	0.993	0.997	0.999	0.999	1.000	1.000	1.000
2237.5	0.114	0.347	0.449	0.721	0.923	0.968	0.985	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000
2240.0	0.141	0.443	0.646	0.825	0.941	0.977	0.991	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2242.5	0.174	0.587	0.724	0.871	0.964	0.991	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2245.0	0.161	0.481	0.699	0.847	0.950	0.982	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000

FREQ	UPR.CM.] 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
2247.5	0.140	0.442	0.659	0.816	0.932	0.971	0.987	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000
2250.0	0.117	0.399	0.628	0.783	0.914	0.961	0.982	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2252.5	0.113	0.399	0.638	0.787	0.919	0.964	0.984	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2255.0	0.137	0.433	0.669	0.807	0.927	0.969	0.986	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000
2257.5	0.172	0.485	0.709	0.834	0.942	0.976	0.988	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2260.0	0.186	0.480	0.695	0.844	0.949	0.981	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2262.5	0.189	0.511	0.723	0.864	0.959	0.987	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2265.0	0.208	0.549	0.757	0.887	0.971	0.993	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2267.5	0.192	0.521	0.729	0.866	0.958	0.986	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2270.0	0.167	0.481	0.692	0.839	0.944	0.978	0.990	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2272.5	0.160	0.469	0.682	0.832	0.940	0.976	0.989	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2275.0	0.176	0.494	0.704	0.851	0.952	0.982	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2277.5	0.188	0.513	0.724	0.867	0.960	0.987	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2280.0	0.177	0.494	0.708	0.855	0.954	0.985	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2282.5	0.184	0.507	0.719	0.863	0.959	0.986	0.994	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2285.0	0.202	0.534	0.742	0.878	0.967	0.990	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2287.5	0.228	0.573	0.776	0.900	0.977	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2290.0	0.215	0.551	0.756	0.888	0.969	0.990	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2292.5	0.211	0.548	0.756	0.888	0.972	0.991	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2295.0	0.189	0.506	0.723	0.868	0.964	0.989	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2297.5	0.187	0.515	0.720	0.860	0.956	0.983	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2300.0	0.205	0.528	0.735	0.870	0.962	0.986	0.994	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2302.5	0.205	0.533	0.740	0.874	0.965	0.987	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2305.0	0.215	0.550	0.759	0.888	0.972	0.991	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2307.5	0.231	0.570	0.772	0.897	0.976	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2310.0	0.252	0.595	0.792	0.907	0.981	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2312.5	0.256	0.589	0.786	0.903	0.978	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2315.0	0.245	0.579	0.775	0.895	0.975	0.992	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2317.5	0.243	0.579	0.776	0.896	0.975	0.992	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2320.0	0.253	0.596	0.788	0.904	0.978	0.993	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2322.5	0.259	0.599	0.789	0.905	0.979	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2325.0	0.254	0.592	0.784	0.902	0.978	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2327.5	0.253	0.593	0.788	0.905	0.979	0.994	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2330.0	0.253	0.595	0.792	0.

WATER VAPOR AT 1.00 ATMOSPHERE PRESSURE

T = 250° K

FREQ.	UPR.CM.] 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
2872.5	0.073	0.304	0.525	0.709	0.865	0.931	0.965	0.987	0.993	0.997	0.999	0.999	1.000	1.000	1.000
2875.0	0.041	0.223	0.455	0.655	0.837	0.912	0.956	0.986	0.996	0.999	0.999	1.000	1.000	1.000	1.000
2877.5	0.029	0.182	0.378	0.577	0.771	0.870	0.937	0.982	0.995	0.999	0.999	1.000	1.000	1.000	1.000
2880.0	0.037	0.203	0.399	0.587	0.770	0.865	0.925	0.968	0.983	0.992	0.997	0.998	0.999	1.000	1.000
2882.5	0.078	0.305	0.511	0.681	0.827	0.894	0.943	0.975	0.988	0.994	0.997	0.999	0.999	1.000	1.000
2885.0	0.088	0.342	0.563	0.736	0.872	0.932	0.964	0.986	0.993	0.996	0.998	0.999	1.000	1.000	1.000
2887.5	0.080	0.321	0.541	0.729	0.878	0.938	0.969	0.989	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2890.0	0.062	0.267	0.487	0.677	0.848	0.923	0.963	0.987	0.995	0.998	0.999	1.000	1.000	1.000	1.000
2892.5	0.051	0.236	0.431	0.628	0.816	0.898	0.945	0.977	0.990	0.996	0.998	0.999	1.000	1.000	1.000
2895.0	0.029	0.191	0.347	0.548	0.765	0.875	0.930	0.969	0.984	0.992	0.997	0.998	0.999	1.000	1.000
2897.5	0.041	0.223	0.428	0.614	0.794	0.879	0.931	0.970	0.985	0.992	0.997	0.998	0.999	1.000	1.000
2900.0	0.042	0.228	0.426	0.622	0.791	0.870	0.927	0.967	0.983	0.992	0.997	0.998	0.999	1.000	1.000
2902.5	0.037	0.201	0.388	0.568	0.739	0.829	0.891	0.945	0.970	0.986	0.993	0.997	0.998	0.999	1.000
2905.0	0.015	0.124	0.288	0.449	0.645	0.775	0.854	0.925	0.958	0.978	0.991	0.996	0.998	0.999	1.000
2907.5	0.012	0.113	0.277	0.442	0.648	0.780	0.860	0.929	0.961	0.979	0.991	0.996	0.998	0.999	1.000
2910.0	0.017	0.144	0.332	0.532	0.736	0.837	0.903	0.954	0.976	0.987	0.995	0.997	0.999	0.999	1.000
2912.5	0.031	0.207	0.405	0.628	0.815	0.896	0.941	0.975	0.988	0.994	0.997	0.999	1.000	1.000	1.000
2915.0	0.029	0.198	0.409	0.606	0.785	0.869	0.928	0.961	0.978	0.989	0.995	0.998	0.999	1.000	1.000
2917.5	0.025	0.169	0.359	0.569	0.755	0.859	0.889	0.962	0.967	0.982	0.993	0.996	0.998	0.999	1.000
2920.0	0.013	0.129	0.301	0.504	0.707	0.831	0.892	0.939	0.960	0.981	0.992	0.996	0.998	0.999	1.000
2922.5	0.010	0.111	0.281	0.476	0.686	0.798	0.870	0.931	0.960	0.978	0.991	0.995	0.998	0.999	1.000
2925.0	0.008	0.099	0.251	0.465	0.689	0.727	0.812	0.890	0.932	0.965	0.985	0.995	0.998	0.999	0.999
2927.5	0.002	0.066	0.204	0.333	0.522	0.654	0.794	0.893	0.908	0.967	0.976	0.988	0.996	0.997	0.999
2930.0	0.005	0.078	0.214	0.345	0.588	0.710	0.788	0.880	0.925	0.956	0.984	0.990	0.995	0.998	0.999
2932.5	0.007	0.091	0.249	0.442	0.658	0.777	0.876	0.943	0.962	0.978	0.994	0.994	0.997	0.998	0.999
2935.0	0.007	0.097	0.263	0.444	0.685	0.804	0.888	0.963	0.964	0.984	0.993	0.997	0.998	0.999	1.000
2937.5	0.008	0.101	0.275	0.481	0.700	0.813	0.886	0.965	0.970	0.986	0.994	0.997	0.998	0.999	1.000
2940.0	0.005	0.090	0.256	0.445	0.665	0.780	0.857	0.921	0.952	0.972	0.988	0.994	0.997	0.999	0.999
2942.5	0.004	0.071	0.201	0.372	0.581	0.704	0.788	0.872	0.922	0.961	0.982	0.992	0.996	0.998	0.999
2945.0	0.002	0.053	0.172	0.298	0.469	0.559	0.683	0.807	0.875	0.925	0.966	0.982	0.991	0.996	0.998
2947.5	0.002	0.059	0.181	0.281	0.382	0.545	0.677	0.789	0.870	0.921	0.964	0.981	0.990	0.996	0.998
2950.0	0.002	0.060	0.184	0.317	0.388	0.554	0.671	0.784	0.865	0.917	0.962	0.980	0.990	0.995	0.998
2952.5	0.000	0.048	0.159	0.263	0.402	0.538	0.662	0.801	0.865	0.915	0.957	0.977	0.988	0.995	0.997
2955.0	0.000	0.036	0.079	0.215	0.436	0.587	0.705	0.816	0.876	0.923	0.962	0.980	0.989	0.994	0.997
2957.5	0.000	0.016	0.089	0.234	0.461	0.613	0.729	0.839	0.896	0.937	0.971	0.984	0.992	0.997	0.998
2960.0	0.001	0.039	0.149	0.330	0.568	0.710	0.810	0.896	0.938	0.965	0.985	0.992	0.996	0.998	0.999
2962.5	0.001	0.027	0.114	0.247	0.495	0.645	0.757	0.863	0.917	0.955	0.979	0.990	0.995	0.998	0.999
2965.0	0.001	0.023	0.096	0.231	0.449	0.601	0.738	0.857	0.883	0.924	0.961	0.979	0.989	0.995	0.998
2967.5	0.000	0.012	0.075	0.216	0.446	0.605	0.722	0.829	0.885	0.926	0.963	0.979	0.988	0.995	0.998
2970.0	0.000	0.012	0.071	0.204	0.433	0.593	0.713	0.823	0.880	0.923	0.959	0.977	0.988	0.994	0.997
2972.5	0.000	0.011	0.062	0.172	0.361	0.504	0.623	0.768	0.820	0.875	0.931	0.960	0.978	0.991	0.995
2975.0	0.000	0.000	0.050	0.159	0.367	0.535	0.671	0.803	0.863	0.918	0.960	0.979	0.989	0.995	0.997
2977.5	0.000	0.000	0.010	0.059	0.207	0.355	0.499	0.659	0.753	0.828	0.904	0.944	0.969	0.987	0.993
2980.0	0.000	0.000	0.000	0.064	0.215	0.392	0.510	0.704	0.784	0.858	0.917	0.950	0.975	0.989	0.995
2982.5	0.000	0.000	0.000	0.063	0.175	0.288	0.402	0.593	0.693	0.779	0.870	0.919	0.956	0.981	0.992
2985.0	0.001	0.042	0.175	0.393	0.665	0.811	0.898	0.957	0.979	0.988	0.994	0.996	0.998	1.000	1.000
2987.5	0.001	0.026	0.115	0.275	0.512	0.664	0.773	0.865	0.909	0.939	0.966	0.980	0.989	0.995	0.998
2990.0	0.000	0.017	0.072	0.184	0.383	0.533	0.657	0.777	0.842	0.890	0.937	0.962	0.979	0.991	0.995
2992.5	0.002	0.034	0.110	0.230	0.436	0.591	0.697	0.807	0.867	0.910	0.951	0.973	0.986	0.993	0.996
2995.0	0.003	0.048	0.211	0.347	0.609	0.729	0.812	0.883	0.919	0.944	0.968	0.981	0.989	0.995	0.998
2997.5	0.008	0.132	0.358	0.606	0.825	0.936	0.961	0.986	0.994	0.997	0.999	0.999	1.000	1.000	1.000
3000.0	0.008	0.143	0.378	0.623	0.835	0.941	0.963	0.988	0.995	0.998	0.999	0.999	1.000	1.000	1.000
3002.5	0.009	0.136	0.363	0.606	0.822	0.935	0.959	0.986	0.994	0.997	0.999	1.000	1.000	1.000	1.000
3005.0	0.006	0.086	0.272	0.507	0.752	0.869	0.934	0.979	0.991	0.996	0.998	0.999	1.000	1.000	1.000
3007.5	0.001	0.041	0.155	0.330	0.562	0.701	0.801	0.885	0.925	0.951	0.977	0.986	0.992	0.997	0.998
3010.0	0.000	0.015	0.071	0.185	0.392	0.550	0.680	0.802	0.865	0.910	0.957	0.973	0.985	0.994	0.997
3012.5	0.000	0.014	0.077	0.204	0.416	0.569	0.691	0.807	0.867	0.912	0.955	0.972	0.984	0.994	0.997
3015.0	0.000	0.014	0.073	0.195	0.391	0.542	0.670	0.786	0.853	0.903	0.952	0.972	0.984	0.993	0.997
3017.5	0.000	0.010	0.064	0.175	0.359	0.509	0.629	0.761	0.834	0.890	0.944	0.971	0.985	0.994	0.997
3020.0	0.000	0.005	0.039	0.135	0.319	0.475	0.617	0.762	0.829	0.887	0.943	0.970	0.984	0.993	0.997
3022.5	0.000	0.000	0.002	0.023	0.124	0.256	0.406	0.590	0.708	0.805	0.898	0.943	0.969	0.987	0.994
3025.0	0.000	0.000	0.001	0.016	0.093	0.216	0.364	0.558	0.684	0.787	0.889	0.937	0.967	0.986	0.993
3027.5	0.000	0.000	0.000	0.009	0.061	0.169	0.316	0.520	0.656	0.767	0.879	0.929	0.964	0.984	0.992
3030.0	0.000	0.000	0.000	0.004	0.051	0.147	0.284	0.485	0.625	0.741	0.866	0.923	0.960	0.982	0.990
3032.5	0.000	0.000	0.000	0.002	0.028	0.092	0.198	0.380	0.526	0.659	0.802	0.881	0.934	0.971	0.985
3035.0	0.000	0.000	0.000	0.001	0.020	0.074	0.172	0.344	0.495	0.633	0.781	0.873	0.929	0.970	0.984
3037.5	0.000	0.000	0.000	0.002	0.027	0.086	0.185	0.357	0.506	0.645	0.788	0.876	0.930	0.970	0.984
3040.0	0.000	0.000	0.000	0.001	0.024	0.080	0.174	0.346	0.498	0.641	0.786	0.875	0.930	0.970	0.984
3042.5	0.000	0.000	0.000	0.000	0.013	0.054	0.144	0.309	0.464	0.611	0.768	0.867	0.926	0.969	0.984
3045.0	0.000	0.000	0.000	0.000	0.011	0.049	0.134	0.297	0.453	0.602	0.762	0.864	0.925	0.969	0.984
3047.5	0.000	0.000	0.000	0.000	0.009	0.039	0.113	0.262	0.414	0.564	0.736	0.850	0.918	0.966	0.982
3050.0	0.000	0.000	0.000	0.000	0.006	0.031	0.098	0.238	0.387	0.534	0.715	0.839	0.913	0.964	0.981
3052.5	0.000	0.000	0.000	0.000	0.005	0.025	0.086	0.217	0.365	0.509	0.696	0.829	0.908	0.962	0.980
3055.0	0.000	0.000	0.000	0.000	0.004	0.022	0.078	0.203	0.350	0.492	0.683	0.822	0.905	0.961	0.979
3057.5	0.000	0.000	0.000	0.000	0.003	0.016	0.062	0.170	0.307	0.447	0.646	0.801	0.894	0.956	0.977
3060.0	0.000	0.000	0.000	0.000	0.002	0.013	0.052	0.150	0.280	0.417	0.620	0.784	0.886	0.953	0.975
3062.5	0.000	0.000	0.000	0.000	0.001	0.009	0.042	0.128	0.249	0.381	0.585	0.757	0.870	0.945	0.972
3065.0	0.000	0.000	0.000	0.000	0.001	0.007	0.034	0.110	0.221	0.348	0.553	0.732	0.855	0.938	0.968
3067.5	0.000	0.000	0.000	0.000	0.000	0.004	0.024	0.085	0.180	0.299	0.503	0.690	0.830	0.925	0.962
3070.0	0.000	0.000	0.000	0.000	0.000	0.003	0.019	0.072	0.158	0.272	0.474	0.661	0.810	0.916	0.957
3072.5	0.000	0.000	0.001	0.000	0.000	0.002	0.014	0.059	0.136	0.245	0.445	0.632	0.789	0.905	0.951
3075.0	0.000	0.000	0.001	0.000	0.000	0.001	0.011	0.049	0.118	0.220	0.417	0.604	0.768	0.894	0.945
3077.5	0.000	0.000	0.001	0.000	0.000	0.001	0.009	0.041	0.103	0.198	0.390	0.576	0.746	0.882	0.938
3080.0	0.000	0.000	0.001	0.000	0.000	0.000	0.007	0.034	0.089	0.177	0.363	0.548	0.724	0.869	0.930
3082.5	0.000	0.000	0.001	0.000	0.000	0.000	0.005	0.028	0.076	0.158	0.337	0.520	0.701	0.855	0.921
3085.0	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.023	0.065	0.141	0.312	0.492	0.677	0.839	0.911
3087.5	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.019	0.055	0.125	0.287	0.464	0.651	0.821	0.900
3090.0	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.015	0.046	0.110	0.262	0.435	0.624	0.801	0.888
3092.5	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.012	0.038	0.096	0.237	0.406	0.595	0.779	0.874
3095.0	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.009	0.031	0.082	0.212	0.376	0.564	0.754	0.858
3097.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.025	0.069	0.187	0.345	0.531	0.726	0.840
3100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.020	0.057	0.163	0.313	0.497	0.695	0.820
3102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.016	0.047	0.140	0.281	0.463	0.662	0.798
3105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.012	0.037	0.118	0.249	0.428	0.627	0.774
3107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.009	0.028	0.097	0.217	0.392	0.589	0.746
3110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.021	0.078	0.187	0.356	0.549	0.715
3112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.015	0.061	0.158	0.320	0.507	0.681
3115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.011	0.047	0.131	0.285	0.465	0.645
3117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.008	0.036	0.107	0.251	0.423	0.608
3120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.006	0.027	0.086	0.218	0.382	0.571
3122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.004	0.020	0.069	0.187	0.343	0.534
3125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.015	0.055	0.159	0.306	0.497
3127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.011	0.044	0.135	0.272	0.460
3130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.008	0.035	0.114	0.241	0.423
3132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.006	0.028	0.097	0.213	0.387
3135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.022	0.082	0.187	0.353
3137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.017	0.069	0.164	0.321
3140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.013	0.057	0.142	0.291
3142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.010	0.047	0.123	0.263
3145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.008	0.039	0.106	0.238
3147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.032	0.091	0.215
3150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.026	0.078	0.194
3152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.021	0.066	0.175
3155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.017	0.056	0.157
3157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.013	0.047	0.141
3160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.010	0.040	0.126
3162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.033	0.113
3165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.028	0.101
3167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.023	0.090
3170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.019	0.080
3172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.016	0.071
3175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.013	0.063
3177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.011	0.056
3180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.009	0.050
3182.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.008	0.044

FREQ.	UPR.CM.] 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
3185.0	0.000	0.000	0.000	0.003	0.043	0.132	0.765	0.959	0.995	0.710	0.832	0.899	0.944	0.976	0.988
3187.5	0.000	0.000	0.000	0.003	0.042	0.129	0.761	0.958	0.995	0.707	0.831	0.898	0.943	0.976	0.988
3190.0	0.000	0.000	0.000	0.003	0.042	0.127	0.758	0.957	0.994	0.705	0.830	0.897	0.943	0.976	0.988
3192.5	0.000	0.000	0.001	0.004	0.044	0.131	0.765	0.958	0.994	0.708	0.831	0.897	0.943	0.976	0.988
3195.0	0.000	0.000	0.000	0.004	0.044	0.129	0.762	0.958	0.994	0.706	0.831	0.897	0.943	0.976	0.988
3197.5	0.000	0.000	0.000	0.004	0.040	0.119	0.741	0.954	0.993	0.688	0.826	0.894	0.941	0.975	0.988
3200.0	0.000	0.000	0.000	0.004	0.038	0.112	0.724	0.951	0.992	0.673	0.822	0.892	0.940	0.975	0.988
3202.5	0.000	0.000	0.000	0.004	0.034	0.102	0.699	0.945	0.991	0.651	0.815	0.889	0.938	0.974	0.987
3205.0	0.000	0.000	0.000	0.003	0.031	0.093	0.675	0.939	0.989	0.630	0.808	0.885	0.936	0.973	0.987
3207.5	0.000	0.000	0.000	0.003	0.029	0.086	0.654	0.933	0.988	0.611	0.801	0.882	0.934	0.972	0.986
3210.0	0.000	0.000	0.000	0.003	0.027	0.080	0.636	0.928	0.986	0.594	0.795	0.879	0.932	0.971	0.986
3212.5	0.000	0.000	0.000	0.000	0.011	0.062	0.177	0.587	0.542	0.670	0.797	0.866	0.917	0.961	0.979
3215.0	0.000	0.000	0.000	0.000	0.008	0.050	0.154	0.555	0.510	0.644	0.779	0.854	0.909	0.957	0.977
3217.5	0.000	0.000	0.000	0.000	0.007	0.028	0.102	0.232	0.621	0.562	0.717	0.810	0.887	0.944	0.970
3220.0	0.000	0.000	0.000	0.000	0.001	0.015	0.060	0.185	0.316	0.455	0.632	0.768	0.862	0.925	0.960
3222.5	0.000	0.000	0.000	0.000	0.000	0.014	0.067	0.195	0.318	0.459	0.638	0.758	0.850	0.930	0.963
3225.0	0.000	0.000	0.000	0.000	0.000	0.005	0.043	0.128	0.237	0.363	0.591	0.731	0.833	0.916	0.954
3227.5	0.000	0.000	0.000	0.000	0.000	0.003	0.052	0.158	0.307	0.515	0.650	0.758	0.863	0.917	0.944
3230.0	0.000	0.000	0.000	0.000	0.000	0.004	0.061	0.167	0.311	0.515	0.647	0.749	0.855	0.912	0.940
3232.5	0.000	0.000	0.000	0.000	0.000	0.005	0.054	0.141	0.272	0.463	0.597	0.710	0.829	0.896	0.933
3235.0	0.000	0.000	0.000	0.000	0.000	0.004	0.038	0.117	0.215	0.359	0.526	0.723	0.802	0.883	0.929
3237.5	0.000	0.000	0.000	0.000	0.000	0.003	0.044	0.124	0.228	0.368	0.537	0.859	0.812	0.895	0.934
3240.0	0.000	0.000	0.000	0.000	0.000	0.004	0.056	0.265	0.477	0.664	0.830	0.904	0.949	0.979	0.989
3242.5	0.000	0.000	0.000	0.000	0.002	0.023	0.148	0.312	0.589	0.680	0.786	0.858	0.919	0.948	0.968
3245.0	0.000	0.000	0.000	0.000	0.001	0.006	0.061	0.184	0.332	0.516	0.638	0.738	0.836	0.890	0.932
3247.5	0.000	0.000	0.000	0.000	0.000	0.002	0.035	0.119	0.250	0.444	0.583	0.688	0.812	0.875	0.920
3250.0	0.000	0.000	0.000	0.000	0.001	0.015	0.112	0.250	0.403	0.586	0.698	0.786	0.871	0.917	0.951
3252.5	0.000	0.000	0.000	0.000	0.001	0.015	0.121	0.278	0.453	0.651	0.760	0.838	0.907	0.942	0.965
3255.0	0.000	0.000	0.000	0.000	0.001	0.014	0.099	0.227	0.366	0.549	0.665	0.759	0.869	0.921	0.952
3257.5	0.000	0.000	0.000	0.000	0.000	0.008	0.074	0.205	0.369	0.559	0.699	0.802	0.890	0.936	0.962
3260.0	0.000	0.000	0.000	0.000	0.000	0.006	0.065	0.189	0.339	0.527	0.673	0.778	0.873	0.923	0.953
3262.5	0.000	0.000	0.000	0.000	0.000	0.004	0.044	0.134	0.284	0.456	0.594	0.698	0.793	0.854	0.902
3265.0	0.000	0.000	0.000	0.000	0.000	0.004	0.048	0.263	0.445	0.669	0.768	0.849	0.906	0.952	0.973
3267.5	0.000	0.000	0.000

WATER VAPOR AT 0.50 ATMOSPHERE PRESSURE

T=250° K

FREQ.	U(PR.CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
997.5	0.460	0.830	0.922	0.979	0.995	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1000.0	0.599	0.858	0.937	0.983	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1002.5	0.462	0.832	0.924	0.979	0.995	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1005.0	0.467	0.837	0.927	0.980	0.995	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1007.5	0.585	0.823	0.917	0.974	0.994	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1010.0	0.544	0.799	0.896	0.957	0.989	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1012.5	0.522	0.771	0.882	0.951	0.986	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1015.0	0.520	0.760	0.881	0.948	0.985	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1017.5	0.574	0.787	0.895	0.956	0.988	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1020.0	0.594	0.798	0.901	0.958	0.989	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1022.5	0.572	0.811	0.912	0.967	0.994	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1025.0	0.573	0.816	0.915	0.968	0.994	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1027.5	0.552	0.795	0.905	0.964	0.993	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1030.0	0.545	0.796	0.903	0.962	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1032.5	0.559	0.805	0.908	0.964	0.995	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1035.0	0.561	0.808	0.910	0.965	0.995	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1037.5	0.550	0.808	0.906	0.965	0.994	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1040.0	0.545	0.799	0.905	0.964	0.993	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1042.5	0.556	0.799	0.907	0.963	0.993	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1045.0	0.548	0.768	0.904	0.961	0.994	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1047.5	0.535	0.771	0.896	0.951	0.989	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1050.0	0.515	0.758	0.878	0.944	0.987	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1052.5	0.491	0.752	0.873	0.944	0.986	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1055.0	0.469	0.740	0.868	0.947	0.988	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1057.5	0.467	0.760	0.881	0.949	0.988	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1060.0	0.482	0.760	0.884	0.944	0.987	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1062.5	0.476	0.751	0.881	0.944	0.987	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1065.0	0.464	0.737	0.874	0.944	0.987	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1067.5	0.470	0.731	0.874	0.948	0.988	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1070.0	0.483	0.737	0.879	0.950	0.989	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1072.5	0.475	0.731	0.881	0.950	0.989	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1075.0	0.462	0.711	0.880	0.951	0.989	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1077.5	0.444	0.694	0.872	0.949	0.988	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1080.0	0.431	0.707	0.882	0.952	0.989	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1082.5	0.437	0.729	0.895	0.957	0.991	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1085.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1087.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1090.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1092.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1095.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1097.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1100.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1102.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1105.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1107.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1110.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1112.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1115.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1117.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1120.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1122.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1125.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1127.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1130.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1132.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1135.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1137.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1140.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1142.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1145.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1147.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1150.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1152.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1155.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1157.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1160.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1162.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1165.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1167.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1170.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1172.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1175.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1177.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1180.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1182.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1185.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1187.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1190.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1192.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1195.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1197.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1200.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1202.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1205.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1207.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1210.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1212.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1215.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1217.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1220.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1222.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1225.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1227.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1230.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1232.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1235.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1237.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1240.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1242.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1245.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1247.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1250.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1252.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1255.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1257.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1260.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1262.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1265.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1267.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1270.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1272.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1275.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1277.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1280.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1282.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1285.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1287.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1290.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1292.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1295.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1297.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1300.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1302.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1305.0	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1307.5	0.447	0.739	0.901	0.960	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000

WATER VAPOR AT 0.50 ATMOSPHERE PRESSURE
T = 250° K

UNITS CM.) FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1935.0	0.000	0.000	0.001	0.015	0.134	0.321	0.127	0.742	0.864	0.909	0.976	0.976	0.988	0.995	0.998
1937.5	0.000	0.000	0.000	0.009	0.063	0.180	0.139	0.556	0.833	0.877	0.921	0.979	0.992	0.993	0.994
1940.0	0.000	0.000	0.000	0.003	0.030	0.101	0.191	0.527	0.443	0.557	0.892	0.939	0.838	0.993	0.994
1942.5	0.000	0.000	0.000	0.000	0.002	0.017	0.062	0.198	0.317	0.157	0.623	0.725	0.805	0.693	0.925
1945.0	0.000	0.000	0.000	0.000	0.001	0.003	0.102	0.262	0.406	0.543	0.894	0.950	0.950	0.915	0.964
1947.5	0.000	0.000	0.001	0.012	0.077	0.173	0.302	0.496	0.627	0.733	0.836	0.889	0.928	0.964	0.980
1950.0	0.000	0.000	0.001	0.016	0.116	0.259	0.405	0.598	0.715	0.804	0.884	0.926	0.952	0.976	0.987
1952.5	0.000	0.000	0.002	0.024	0.163	0.349	0.513	0.705	0.804	0.872	0.933	0.957	0.973	0.986	0.994
1955.0	0.000	0.000	0.004	0.038	0.189	0.361	0.530	0.707	0.801	0.868	0.927	0.955	0.972	0.985	0.993
1957.5	0.000	0.000	0.004	0.041	0.203	0.384	0.557	0.730	0.820	0.881	0.935	0.961	0.978	0.991	0.995
1960.0	0.000	0.000	0.005	0.045	0.221	0.414	0.593	0.764	0.847	0.902	0.949	0.970	0.984	0.993	0.996
1962.5	0.000	0.000	0.001	0.029	0.152	0.281	0.410	0.587	0.693	0.778	0.882	0.904	0.936	0.965	0.979
1965.0	0.000	0.000	0.001	0.012	0.071	0.156	0.268	0.435	0.558	0.666	0.779	0.842	0.891	0.938	0.963
1967.5	0.000	0.000	0.001	0.011	0.070	0.158	0.232	0.417	0.593	0.690	0.784	0.852	0.896	0.942	0.966
1970.0	0.000	0.000	0.000	0.007	0.047	0.107	0.161	0.406	0.752	0.721	0.892	0.923	0.947	0.969	0.982
1972.5	0.000	0.000	0.001	0.023	0.122	0.186	0.198	0.736	0.882	0.932	0.963	0.983	0.991	0.994	0.999
1975.0	0.000	0.000	0.002	0.034	0.152	0.420	0.467	0.761	0.887	0.935	0.979	0.979	0.994	0.998	0.999
1977.5	0.000	0.000	0.004	0.063	0.221	0.506	0.683	0.801	0.896	0.945	0.981	0.980	0.995	0.998	0.999
1980.0	0.000	0.000	0.005	0.076	0.242	0.528	0.716	0.836	0.922	0.963	0.984	0.987	0.996	0.999	0.999
1982.5	0.000	0.000	0.004	0.069	0.188	0.417	0.635	0.824	0.933	0.961	0.992	0.996	0.998	0.999	0.999
1985.0	0.000	0.000	0.001	0.015	0.082	0.276	0.463	0.788	0.863	0.911	0.969	0.987	0.979	0.985	0.994
1987.5	0.000	0.000	0.000	0.002	0.022	0.114	0.236	0.573	0.545	0.676	0.765	0.833	0.881	0.917	0.952
1990.0	0.000	0.000	0.000	0.001	0.009	0.060	0.151	0.353	0.453	0.553	0.717	0.785	0.854	0.913	0.946
1992.5	0.000	0.000	0.000	0.000	0.001	0.043	0.116	0.274	0.432	0.543	0.792	0.782	0.852	0.916	0.952
1995.0	0.000	0.000	0.000	0.000	0.000	0.021	0.060	0.151	0.252	0.343	0.592	0.707	0.790	0.875	0.926
1997.5	0.000	0.000	0.000	0.002	0.024	0.132	0.277	0.439	0.629	0.734	0.816	0.889	0.930	0.959	0.982
2000.0	0.000	0.000	0.000	0.003	0.033	0.125	0.332	0.507	0.697	0.784	0.863	0.908	0.947	0.969	0.993
2002.5	0.000	0.000	0.000	0.004	0.074	0.214	0.481	0.692	0.782	0.863	0.933	0.977	0.967	0.995	0.997
2005.0	0.000	0.000	0.000	0.006	0.076	0.234	0.468	0.782	0.882	0.923	0.952	0.977	0.988	0.990	0.997
2007.5	0.000	0.000	0.000	0.007	0.069	0.247	0.551	0.784	0.825	0.907	0.954	0.975	0.987	0.995	0.997
2010.0	0.000	0.000	0.001	0.016	0.084	0.277	0.544	0.809	0.782	0.861	0.900	0.951	0.974	0.984	0.997
2012.5	0.000	0.000	0.001	0.011	0.059	0.200	0.364	0.517	0.628	0.780	0.850	0.907	0.947	0.974	0.988
2015.0	0.000	0.000	0.001	0.009	0.047	0.155	0.276	0.406	0.574	0.660	0.763	0.849	0.899	0.947	0.974
2017.5	0.000	0.000	0.000	0.010	0.050	0.158	0.313	0.444	0.608	0.706	0.787	0.867	0.912	0.944	0.971
2020.0	0.000	0.000	0.001	0.010	0.052	0.180	0.313	0.444	0.608	0.706	0.787	0.867	0.912	0.944	0.971
2022.5	0.000	0.000	0.001	0.016	0.076	0.234	0.422	0.576	0.778	0.830	0.872	0.930	0.958	0.978	0.990
2025.0	0.000	0.000	0.001	0.018	0.086	0.227	0.498	0.672	0.822	0.884	0.919	0.959	0.977	0.985	0.993
2027.5	0.001	0.000	0.003	0.124	0.244	0.421	0.611	0.822	0.886	0.919	0.959	0.977	0.985	0.993	0.997
2030.0	0.000	0.000	0.000	0.047	0.172	0.364	0.602	0.733	0.828	0.903	0.936	0.960	0.974	0.984	0.992
2032.5	0.001	0.001	0.001	0.174	0.400	0.656	0.793	0.881	0.943	0.971	0.985	0.994	0.997	0.999	1.000
2035.0	0.000	0.000	0.004	0.118	0.296	0.560	0.722	0.833	0.920	0.957	0.977	0.991	0.995	0.998	0.999
2037.5	0.000	0.000	0.000	0.062	0.177	0.386	0.540	0.668	0.742	0.858	0.905	0.945	0.965	0.979	0.992
2040.0	0.000	0.000	0.005	0.030	0.092	0.236	0.391	0.515	0.647	0.715	0.847	0.907	0.944	0.972	0.988
2042.5	0.000	0.000	0.001	0.011	0.049	0.164	0.292	0.430	0.598	0.703	0.787	0.870	0.916	0.950	0.977
2045.0	0.000	0.000	0.000	0.010	0.039	0.134	0.270	0.592	0.721	0.788	0.857	0.915	0.944	0.968	0.982
2047.5	0.000	0.000	0.003	0.059	0.137	0.351	0.564	0.720	0.823	0.885	0.927	0.955	0.975	0.984	0.992
2050.0	0.000	0.000	0.004	0.105	0.196	0.451	0.679	0.797	0.870	0.919	0.950	0.970	0.982	0.990	0.995
2052.5	0.000	0.000	0.004	0.137	0.265	0.601	0.821	0.913	0.958	0.966	0.982	0.990	0.995	0.998	1.000
2055.0	0.000	0.000	0.004	0.105	0.200	0.528	0.765	0.877	0.932	0.959	0.978	0.988	0.994	0.997	0.999
2057.5	0.000	0.000	0.004	0.181	0.344	0.611	0.751	0.884	0.935	0.965	0.981	0.989	0.995	0.997	0.999
2060.0	0.000	0.000	0.004	0.068	0.178	0.365	0.507	0.620	0.767	0.827	0.870	0.928	0.958	0.978	0.990
2062.5	0.000	0.000	0.001	0.013	0.052	0.161	0.305	0.428	0.577	0.643	0.770	0.859	0.907	0.942	0.971
2065.0	0.000	0.000	0.002	0.015	0.036	0.167	0.286	0.415	0.577	0.683	0.770	0.859	0.907	0.942	0.971
2067.5	0.000	0.000	0.000	0.017	0.079	0.204	0.349	0.479	0.625	0.684	0.826	0.920	0.949	0.974	0.988
2070.0	0.000	0.000	0.004	0.112	0.276	0.528	0.678	0.816	0.946	0.966	0.972	0.984	0.991	0.994	0.998
2072.5	0.001	0.003	0.161	0.319	0.564	0.725	0.803	0.886	0.925	0.953	0.977	0.988	0.993	0.997	0.999
2075.0	0.004	0.014	0.202	0.371	0.583	0.767	0.798	0.878	0.923	0.953	0.978	0.987	0.993	0.997	0.999
2077.5	0.008	0.035	0.247	0.428	0.639	0.757	0.833	0.903	0.939	0.963	0.979	0.988	0.994	0.997	0.999
2080.0	0.013	0.131	0.314	0.510	0.715	0.817	0.884	0.938	0.965	0.981	0.992	0.996	0.998	0.999	1.000
2082.5	0.004	0.016	0.279	0.463	0.693	0.821	0.868	0.926	0.964	0.981	0.991	0.996	0.998	0.999	1.000
2085.0	0.007	0.068	0.241	0.429	0.652	0.772	0.853	0.919	0.952	0.973	0.988	0.994	0.997	0.999	0.999
2087.5	0.002	0.042	0.136	0.275	0.537	0.812	0.718	0.922	0.880	0.922	0.958	0.975	0.988	0.994	0.997
2090.0	0.002	0.022	0.092	0.192	0.420	0.667	0.761	0.877	0.929	0.955	0.979	0.979	0.994	0.998	0.999
2092.5	0.001	0.025	0.089	0.199	0.369	0.530	0.664	0.770	0.840	0.891	0.938	0.961	0.978	0.988	0.994
2095.0	0.004	0.058	0.169	0.329	0.565	0.676	0.772	0.860	0.906	0.938	0.966	0.979	0.988	0.994	0.997
2097.5	0.013	0.119	0.290	0.445	0.700	0.807	0.875	0.930	0.958	0.978	0.990	0.995	0.997	0.999	0.999
2100.0	0.013	0.131	0.318	0.509	0.712	0.812	0.877	0.931	0.959	0.977	0.990	0.995	0.997	0.999	0.999
2102.5	0.016	0.127	0.288	0.496	0.661	0.766	0.842	0.910	0.944	0.969	0.987	0.993	0.997	0.999	0.999
2105.0	0.009	0.079	0.211	0.375	0.586	0.721	0.810	0.888	0.930	0.963	0.983	0.992	0.996	0.998	0.999
2107.5	0.018	0.124	0.274	0.444	0.643	0.754	0.839	0.907	0.944	0.968	0.986	0.993	0.996	0.999	0.999
2110.0	0.017	0.117	0.262	0.431	0.631	0.764	0.824	0.896	0.933	0.959	0.980	0.989	0.994	0.998	0.999
2112.5	0.017	0.112	0.252	0.417	0.616	0.749	0.817	0.885	0.922	0.954	0.973	0.985	0.992	0.997	0.999
2115.0	0.027	0.140	0.286	0.446	0.632	0.758	0.815	0.885	0.922	0.954	0.973	0.985	0.992	0.997	0.999
2117.5	0.033	0.151	0.295	0.455	0.717	0.818	0.832	0.925	0.951	0.969	0.983	0.991	0.995	0.998	0.999
2120.0	0.040	0.213	0.408	0.570	0.763	0.853	0.872	0.935	0.960	0.974	0.987	0.994	0.997	0.999	0.999
2122.5	0.019	0.135	0.297	0.474	0.673	0.785	0.861	0.926	0.957	0.977	0.990	0.995	0.997	0.999	0.999
2125.0	0.021	0.140	0.300	0.472	0.665	0.775	0.851	0.919	0.951	0.973	0.988	0.994	0.997	0.999	0.999
2127.5	0.044	0.211	0.393	0.565	0.762	0.851	0.887	0.943	0.969	0.983	0.992	0.996	0.998	0.999	0.999
2130.0	0.062	0.292	0.520	0.703	0.854	0.913	0.947	0.971	0.982	0.990	0.996	0.998	0.999	1.000	1.000
2132.5	0.059	0.236	0.419	0.576	0.728	0.809	0.863	0.931	0.962	0.980	0.992	0.996	0.998	0.999	1.000
2135.0	0.029	0.121	0.229	0.344	0.503	0.612	0.706	0.807	0.866	0.912	0.955	0.975	0.987	0.995	0.997
2137.5	0.031	0.133	0.102	0.211	0.398	0.531	0.651	0.776	0.847	0.901	0.950	0.973	0.988	0.994	0.997
2140.0	0.012	0.091	0.210	0.353	0.562	0.687	0.756	0.879	0.900	0.937	0.970	0.984	0.991	0.995	0.998
2142.5	0.015	0.118	0.273	0.434	0.652	0.767	0.838	0.919	0.944	0.968	0.984	0.991	0.995	0.998	0.999
2145.0	0.017	0.128	0.288	0.442	0.665	0.776	0.852	0.919	0.952	0.973	0.989	0.994	0.997	0.999	0.999
2147.5	0.043	0.192	0.359	0.524	0.707	0.803	0.867	0.925	0.955	0.975	0.989	0.994	0.997	0.999	0.999
2150.0	0.045	0.198	0.364	0.529	0.712	0.807	0.872	0.930	0.958	0.976	0.989	0.994	0.997	0.999	0.999
2152.5	0.045	0.198	0.364	0.528	0.707	0.804	0.872	0.930	0.958	0.976	0.989	0.994	0.997	0.999	0.999
2155.0	0.023	0.127	0.288	0.452	0.644	0.767	0.842	0.914	0.948	0.970	0.987	0.993	0.997	0.999	0.999
2157.5	0.026	0.150	0.305	0.469	0.655	0.783	0.862	0.926	0.954	0.970	0.987	0.993	0.997	0.999	0.999
2160.0	0.030	0.165	0.332	0.500	0.681	0.781	0.852	0.916	0.947	0.969	0.986	0.992	0.996	0.998	0.999
2162.5	0.042	0.197	0.369	0.536	0.710	0.801	0.866	0.922	0.951	0.970	0.986	0.992	0.996	0.998	0.999
2165.0	0.089	0.295	0.479	0.618	0.787	0.860	0.903	0.945	0.965	0.978	0.990	0.994	0.997	0.999	0.999
2167.5	0.114	0.360	0.560	0.717	0.850	0.907	0.941	0.967	0.982	0.990	0.996	0.998	0.999	1.000	1.000
2170.0	0.118	0.363	0.561	0.717	0.846	0.903	0.940	0.967	0.982	0.990	0.996	0.998	0.999	1.000	1.000
2172.5	0.154	0.429	0.598	0.739	0.858	0.906	0.933	0.962	0.977	0.987	0.994	0.997	0.998	0.999	1.000
2175.0	0.224	0.517	0.704	0.828	0.919	0.950	0.966	0.981	0.988	0.993	0.997	0.998	0.999	1.000	1.000
2177.5	0.244	0.552	0.739	0.846	0.924	0.952	0.968	0.982	0.989	0.993	0.997	0.998	0.999	1.000	1.000
2180.0	0.193	0.473	0.663	0.793	0.894	0.933	0.955	0.976	0.986	0.993	0.997	0.998	0.999	1.000	1.000
2182.5	0.108	0.328	0.512	0.665	0.805	0.879	0.923	0.957	0.974	0.985	0.993	0.997	0.998	0.999	1.000
2185.0	0.079	0.254	0.411	0.595	0.762	0.859	0.906	0.946	0.970	0.984	0.993	0.997	0.999	0.999	1.000
2187.5	0.132	0.337	0.511	0.657	0.805	0.890	0.931	0.962	0.978	0.988	0.994	0.997	0.999	0.999	1.000
2190.0	0.197	0.454	0.629	0.760	0.871	0.934	0.955	0.972	0.984	0.993	0.997	0.998	0.999	1.000	1.000
2192.5	0.246	0.531	0.710	0.843	0.923	0.961	0.973	0.983	0.990	0.995	0.998	0.999	1.000	1.000	1.000
2195.0	0.281	0.587	0.762	0.873	0.948	0.971	0.984	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2197.5	0.254	0.547	0.724	0.840	0.925	0.956	0.973	0.987	0.993	0.996	0.999	0.999	1.000	1.000	1.000
2200.0	0.209	0.490	0.660	0.788	0.891	0.933	0.960	0.980	0.989	0.994	0.998	0.999	1.000	1.000	1.000
2202.5	0.118	0.344	0.528	0.677	0.816	0.881	0.924	0.961	0.978	0.988	0.995	0.998	0.999	1.000	1.000
2205.0	0.060	0.228	0.403	0.561	0.730	0.850	0.901	0.950	0.972	0.985	0.994	0.997	0.999	1.000	1.000
2207.5	0.059	0.227	0.400	0.561	0.726	0.847	0.901	0.950	0.972	0.985	0.994	0.997	0.999	1.000	1.000
2210.0	0.058	0.223	0.394	0.559	0.735	0.850	0.896	0.950	0.973	0.986	0.994	0.997	0.999	0.999	1.000
2212.5	0.138	0.367	0.569	0.666	0.812	0.890	0.932	0.967	0.981	0.992	0.997	0.998	0.999	1.000	1.000
2215.0	0.276	0.570	0.770	0.793	0.898	0.946	0.966	0.981	0.989	0.994	0.997	0.999	0.999	1.000	1.000
2217.5	0.367	0.695	0.868	0.910	0.972	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2220.0	0.312	0.598	0.784	0.866	0.943	0.968	0.982	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2222.5	0.310	0.598	0.784	0.866	0.943	0.968	0.982	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2225.0	0.235	0.503	0.677	0.801	0.900	0.942	0.965	0.982	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2227.5	0.176	0.430	0.612	0.752	0.870	0.921	0.952	0.977	0.988	0.994	0.997	0.999	1.000	1.000	1.000
2230.0	0.176	0.430	0.612	0.752	0.870	0.921	0.952	0.977	0.988	0.994	0.997	0.999	1.000	1.000	1.000
2232.5	0.209	0.473	0.653	0.784	0.894	0.937	0.963	0.983	0.991	0.995	0.998	0.999	1.000	1.000	1.000
2235.0	0.232	0.503	0.678	0.807	0.910	0.948	0.971	0.987	0.993	0.997	0.999	0.999	1.000	1.000	1.000
2237.5	0.309	0.595	0.758	0.867	0.941	0.973	0.986	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2240.0	0.352	0.644	0.805	0.899	0.963	0.981	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2242.5	0.410	0.709	0.856	0.928	0.974	0.989	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2245.0	0.387	0.683	0.832	0.920	0.973	0.987	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000

UNITS CM.) FREQ	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
2247.5	0.346	0.637	0.795	0.891	0.957	0.977	0.987	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000
2250.0	0.303	0.591	0.756	0.864	0.941	0.968	0.982	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2252.5	0.309	0.596	0.761	0.866	0.942	0.968	0.982	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2255.0	0.339	0.628	0.785	0.886	0.952	0.975	0.986	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000
2257.5	0.378	0.672	0.820	0.907	0.958	0.977	0.987	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2260.0	0.388	0.683	0.827	0.912	0.959	0.978	0.988	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2262.5	0.419	0.707	0.847	0.925	0.970	0.984	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2265.0	0.434	0.719	0.858	0.931	0.970	0.984	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2267.5	0.424	0.716	0.853	0.932	0.970	0.984	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2270.0	0.381	0.672	0.820	0.907	0.965	0.982	0.990	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2272.5	0.369	0.658	0.809	0.900	0.962	0.980	0.989	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2275.0	0.396	0.686	0.830	0.915	0.967	0.984	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2277.5	0.416	0.703	0.846	0.923	0.970	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2280.0	0.419	0.703	0.850	0.924	0.972	0.987	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2282.5	0.407	0.692	0.842	0.922	0.974	0.988	0.994	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2285.0	0.434	0.720	0.860	0.936	0.973	0.985	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2287.5	0.472	0.758	0.890	0.954	0.982	0.992	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2290.0	0.502	0.783	0.909	0.964	0.987	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2292.5	0.502	0.779	0.907	0.962	0.987	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2295.0	0.479	0.756	0.888	0.950	0.980	0.993	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2297.5	0.447	0.731	0.868	0.941	0.975	0.991	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2300.0	0.446	0.734	0.871	0.944	0.978	0.992	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2302.5	0.500	0.774	0.895	0.962	0.991	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2305.0	0.525	0.797	0.913	0.969	0.992	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2307.5	0.524	0.779	0.898	0.965	0.992	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2310.0	0.500	0.774	0.895	0.962	0.991	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2312.5	0.502	0.775	0.897	0.962	0.991	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2315.0	0.479	0.756	0.888	0.950	0.980	0.993	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2317.5	0.447	0.731	0.868	0.941	0.975	0.991	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2320.0	0.446	0.734	0.871	0.944	0.978	0.992	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2322.5	0.500	0.774	0.895	0.962	0.991	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2325.0	0.525	0.797	0.913	0.969	0.992	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2327.5	0.524	0.779	0.898	0.965	0.992	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2330.0	0.500	0.775	0.897

WATER VAPOR AT 0.50 ATMOSPHERE PRESSURE

T = 250° K

U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
2872.5	0.211	0.478	0.655	0.782	0.893	0.940	0.968	0.987	0.993	0.997	0.999	0.999	1.000	1.000	1.000
2875.0	0.140	0.382	0.568	0.715	0.852	0.919	0.953	0.980	0.990	0.995	0.998	0.999	0.999	1.000	1.000
2877.5	0.112	0.334	0.528	0.690	0.818	0.898	0.936	0.972	0.985	0.992	0.997	0.998	0.999	1.000	1.000
2880.0	0.137	0.370	0.567	0.689	0.823	0.899	0.933	0.969	0.984	0.992	0.997	0.998	0.999	1.000	1.000
2882.5	0.228	0.492	0.668	0.773	0.873	0.931	0.951	0.977	0.988	0.994	0.997	0.999	0.999	1.000	1.000
2885.0	0.251	0.535	0.706	0.818	0.908	0.946	0.969	0.986	0.993	0.996	0.998	0.999	1.000	1.000	1.000
2887.5	0.227	0.501	0.679	0.802	0.905	0.948	0.972	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2890.0	0.192	0.458	0.652	0.768	0.878	0.934	0.965	0.986	0.993	0.996	0.998	0.999	1.000	1.000	1.000
2892.5	0.125	0.363	0.557	0.711	0.852	0.914	0.951	0.978	0.989	0.994	0.998	0.999	0.999	1.000	1.000
2895.0	0.116	0.368	0.559	0.692	0.834	0.899	0.939	0.972	0.985	0.992	0.997	0.998	0.999	1.000	1.000
2897.5	0.148	0.398	0.592	0.720	0.849	0.903	0.941	0.972	0.985	0.992	0.997	0.998	0.999	1.000	1.000
2900.0	0.156	0.411	0.597	0.730	0.859	0.908	0.944	0.974	0.986	0.993	0.997	0.998	0.999	1.000	1.000
2902.5	0.139	0.374	0.549	0.684	0.810	0.877	0.921	0.953	0.973	0.985	0.994	0.997	0.998	0.999	1.000
2905.0	0.079	0.274	0.448	0.569	0.702	0.801	0.865	0.916	0.947	0.970	0.991	0.994	0.998	0.999	1.000
2907.5	0.069	0.256	0.430	0.508	0.749	0.851	0.889	0.939	0.964	0.980	0.992	0.996	0.999	0.999	1.000
2910.0	0.087	0.302	0.489	0.644	0.801	0.873	0.920	0.960	0.977	0.988	0.995	0.997	0.999	0.999	1.000
2912.5	0.151	0.385	0.578	0.729	0.860	0.916	0.951	0.978	0.988	0.994	0.997	0.999	1.000	1.000	1.000
2915.0	0.176	0.374	0.567	0.716	0.846	0.907	0.938	0.967	0.981	0.989	0.995	0.998	0.999	1.000	1.000
2917.5	0.157	0.353	0.539	0.668	0.798	0.872	0.915	0.953	0.972	0.985	0.993	0.996	0.998	0.999	1.000
2920.0	0.098	0.290	0.479	0.631	0.769	0.861	0.909	0.950	0.970	0.984	0.992	0.996	0.998	0.999	1.000
2922.5	0.087	0.265	0.452	0.612	0.772	0.849	0.901	0.945	0.966	0.980	0.991	0.995	0.998	0.999	1.000
2925.0	0.054	0.218	0.384	0.540	0.707	0.795	0.858	0.915	0.944	0.965	0.984	0.991	0.998	0.999	0.999
2927.5	0.024	0.146	0.298	0.459	0.642	0.747	0.817	0.887	0.922	0.949	0.977	0.988	0.997	0.999	0.999
2930.0	0.045	0.199	0.365	0.523	0.693	0.787	0.848	0.907	0.938	0.962	0.982	0.990	0.998	0.999	0.999
2932.5	0.093	0.281	0.464	0.579	0.745	0.842	0.890	0.939	0.962	0.977	0.989	0.994	0.998	0.999	0.999
2935.0	0.056	0.241	0.418	0.547	0.767	0.851	0.904	0.951	0.972	0.985	0.993	0.997	0.998	0.999	1.000
2937.5	0.057	0.257	0.440	0.610	0.779	0.859	0.911	0.954	0.973	0.985	0.994	0.997	0.998	0.999	1.000
2940.0	0.040	0.225	0.413	0.584	0.757	0.840	0.896	0.941	0.964	0.976	0.989	0.994	0.997	0.999	0.999
2942.5	0.042	0.227	0.417	0.581	0.748	0.827	0.878	0.928	0.953	0.969	0.986	0.993	0.997	0.999	0.999
2945.0	0.029	0.069	0.189	0.346	0.548	0.670	0.764	0.853	0.901	0.937	0.968	0.983	0.995	0.998	0.999
2947.5	0.004	0.098	0.174	0.329	0.535	0.650	0.754	0.848	0.897	0.934	0.967	0.982	0.994	0.998	0.998
2950.0	0.003	0.057	0.165	0.322	0.532	0.653	0.757	0.851	0.900	0.936	0.967	0.982	0.994	0.998	0.998
2952.5	0.003	0.055	0.154	0.315	0.547	0.672	0.767	0.854	0.899	0.932	0.963	0.979	0.988	0.995	0.997
2955.0	0.004	0.054	0.205	0.370	0.574	0.702	0.785	0.866	0.908	0.938	0.967	0.981	0.990	0.996	0.998
2957.5	0.007	0.083	0.223	0.396	0.601	0.716	0.802	0.880	0.918	0.948	0.974	0.985	0.992	0.997	0.998
2960.0	0.017	0.138	0.332	0.496	0.690	0.791	0.861	0.921	0.950	0.970	0.986	0.993	0.996	0.998	0.999
2962.5	0.013	0.109	0.255	0.470	0.673	0.785	0.869	0.923	0.949	0.965	0.978	0.986	0.994	0.998	0.998
2965.0	0.012	0.106	0.215	0.373	0.578	0.699	0.797	0.893	0.929	0.955	0.976	0.985	0.993	0.997	0.998
2967.5	0.025	0.068	0.179	0.360	0.585	0.708	0.797	0.878	0.915	0.947	0.968	0.981	0.989	0.995	0.997
2970.0	0.025	0.064	0.157	0.360	0.595	0.727	0.823	0.901	0.940	0.964	0.980	0.989	0.995	0.997	0.998
2972.5	0.005	0.057	0.182	0.301	0.495	0.617	0.716	0.813	0.866	0.905	0.944	0.965	0.980	0.991	0.995
2975.0	0.000	0.010	0.076	0.159	0.350	0.493	0.618	0.765	0.846	0.890	0.932	0.961	0.977	0.989	0.994
2977.5	0.000	0.009	0.071	0.170	0.374	0.521	0.702	0.853	0.925	0.959	0.979	0.989	0.995	0.997	0.998
2980.0	0.015	0.127	0.298	0.478	0.676	0.779	0.850	0.911	0.939	0.956	0.976	0.985	0.991	0.996	0.998
2982.5	0.019	0.165	0.376	0.584	0.789	0.878	0.931	0.970	0.984	0.992	0.997	0.998	0.999	1.000	1.000
2985.0	0.010	0.116	0.266	0.468	0.693	0.808	0.883	0.943	0.967	0.981	0.993	0.997	0.998	0.999	1.000
2987.5	0.012	0.126	0.295	0.477	0.693	0.798	0.880	0.938	0.962	0.976	0.989	0.994	0.997	0.999	0.999
2990.0	0.028	0.098	0.173	0.358	0.516	0.644	0.763	0.870	0.886	0.928	0.970	0.988	0.997	0.999	0.999
2992.5	0.018	0.102	0.264	0.468	0.682	0.800	0.886	0.942	0.967	0.980	0.992	0.996	0.998	0.999	0.999
2995.0	0.038	0.203	0.388	0.556	0.724	0.809	0.867	0.917	0.941	0.959	0.975	0.984	0.990	0.996	0.998
2997.5	0.076	0.242	0.584	0.372	0.960	0.958	0.980	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000
3000.0	0.081	0.295	0.598	0.774	0.908	0.958	0.980	0.994	0.998	0.998	0.999	1.000	1.000	1.000	1.000
3002.5	0.078	0.337	0.574	0.752	0.894	0.946	0.975	0.992	0.995	0.998	0.999	1.000	1.000	1.000	1.000
3005.0	0.046	0.240	0.475	0.667	0.830	0.911	0.955	0.981	0.991	0.996	0.998	0.999	1.000	1.000	1.000
3007.5	0.021	0.144	0.308	0.480	0.672	0.775	0.850	0.934	0.965	0.982	0.993	0.997	0.998	0.999	1.000
3010.0	0.007	0.065	0.176	0.321	0.527	0.657	0.758	0.852	0.899	0.931	0.960	0.976	0.986	0.994	0.997
3012.5	0.006	0.073	0.201	0.359	0.559	0.680	0.771	0.859	0.903	0.933	0.961	0.976	0.986	0.994	0.997
3015.0	0.004	0.071	0.184	0.338	0.539	0.661	0.754	0.843	0.891	0.925	0.958	0.975	0.986	0.994	0.997
3017.5	0.006	0.069	0.174	0.309	0.499	0.624	0.729	0.825	0.878	0.916	0.954	0.973	0.985	0.993	0.997
3020.0	0.003	0.053	0.153	0.289	0.513	0.644	0.760	0.864	0.913	0.944	0.970	0.983	0.992	0.996	0.998
3022.5	0.000	0.007	0.022	0.086	0.268	0.395	0.535	0.687	0.776	0.845	0.913	0.948	0.971	0.987	0.994
3025.0	0.000	0.001	0.013	0.061	0.205	0.350	0.496	0.660	0.756	0.832	0.905	0.943	0.968	0.986	0.993
3027.5	0.000	0.000	0.005	0.034	0.160	0.302	0.455	0.628	0.734	0.816	0.895	0.937	0.964	0.984	0.992
3030.0	0.000	0.000	0.004	0.030	0.160	0.323	0.480	0.657	0.768	0.846	0.911	0.945	0.969	0.986	0.993
3032.5	0.000	0.000	0.002	0.016	0.089	0.192	0.321	0.499	0.622	0.727	0.836	0.896	0.935	0.972	0.985
3035.0	0.000	0.000	0.001	0.011	0.073	0.168	0.286	0.473	0.598	0.707	0.822	0.887	0.934	0.970	0.985
3037.5	0.000	0.001	0.004	0.021	0.103	0.203	0.324	0.503	0.627	0.732	0.843	0.902	0.943	0.974	0.987
3040.0	0.001	0.004	0.016	0.032	0.128	0.257	0.368	0.535	0.653	0.748	0.855	0.911	0.948	0.976	0.988
3042.5	0.005	0.021	0.055	0.070	0.203	0.365	0.473	0.632	0.736	0.820	0.898	0.935	0.962	0.980	0.990
3045.0	0.024	0.076	0.227	0.420	0.644	0.763	0.844	0.912	0.941	0.964	0.981	0.989	0.994	0.997	0.999
3047.5	0.004	0.057	0.166	0.318	0.526	0.655	0.756	0.852	0.900	0.934	0.964	0.978	0.988	0.995	0.997
3050.0	0.001	0.029	0.110	0.285	0.506	0.647	0.752	0.850	0.899	0.934	0.965	0.980	0.989	0.995	0.997
3052.5	0.002	0.050	0.186	0.381	0.622	0.757	0.839	0.910	0.942	0.963	0.980	0.989	0.994	0.997	0.998
3055.0	0.002	0.057	0.172	0.354	0.569	0.720	0.811	0.887	0.922	0.947	0.968	0.979	0.987	0.994	0.997
3057.5	0.001	0.022	0.088	0.225	0.463	0.597	0.713	0.815	0.875	0.917	0.953	0.973	0.985	0.993	0.997
3060.0	0.000	0.004	0.037	0.130	0.332	0.492	0.628	0.762	0.831	0.886	0.932	0.955	0.972	0.987	0.993
3062.5	0.000	0.004	0.031	0.101	0.261	0.401	0.534	0.681	0.768	0.835	0.897	0.930	0.956	0.978	0.988
3065.0	0.000	0.004	0.028	0.088	0.216	0.348	0.455	0.606	0.707	0.793	0.868	0.910	0.945	0.973	0.986
3067.5	0.000	0.003	0.024	0.077	0.196	0.313	0.439	0.595	0.696	0.778	0.859	0.904	0.938	0.968	0.983
3070.0	0.000	0.010	0.065	0.186	0.389	0.524	0.638	0.756	0.822	0.873	0.922	0.948	0.968	0.984	0.991
3072.5	0.000	0.025	0.114	0.305	0.612	0.745	0.863	0.935	0.962	0.979	0.991	0.995	0.998	0.999	1.000
3075.0	0.000	0.016	0.127	0.327	0.671	0.791	0.890	0.951	0.974	0.986	0.994	0.997	0.999	0.999	1.000
3077.5	0.000	0.016	0.081	0.199	0.381	0.510	0.620	0.731	0.808	0.862	0.917	0.945	0.971	0.987	0.993
3080.0	0.000	0.004	0.035	0.051	0.216	0.354	0.479	0.622	0.722	0.799	0.878	0.922	0.953	0.977	0.988
3082.5	0.000	0.001	0.009	0.043	0.147	0.264	0.395	0.562	0.671	0.761	0.853	0.910	0.948	0.977	0.988
3085.0	0.000	0.000	0.040	0.170	0.357	0.493	0.610	0.733	0.804	0.871	0.917	0.945	0.971	0.987	0.993
3087.5	0.000	0.000	0.094	0.272	0.544	0.712	0.830	0.903	0.938	0.960	0.979	0.988	0.994	0.997	0.999
3090.0	0.000	0.013	0.089	0.252	0.508	0.666	0.780	0.877	0.923	0.953	0.978	0.988	0.994	0.997	0.999
3092.5	0.000	0.004	0.057	0.123	0.283	0.426	0.522	0.665	0.751	0.826	0.901	0.939	0.966	0.982	0.991
3095.0	0.000	0.000	0.003	0.015	0.083	0.175	0.298	0.482	0.633	0.736	0.840	0.900	0.941	0.973	0.986
3097.5	0.000	0.000	0.000	0.001	0.024	0.089	0.202	0.394	0.538	0.665	0.798	0.870	0.920	0.961	0.979
3100.0	0.000	0.000	0.000	0.001	0.023	0.086	0.198	0.387	0.529	0.654	0.785	0.860	0.914	0.959	0.978
3102.5	0.000	0.000	0.000	0.001	0.044	0.133	0.257	0.455	0.598	0.724	0.840	0.904	0.945	0.973	0.987
3105.0	0.000	0.000	0.000	0.000	0.037	0.148	0.275	0.461	0.590	0.701	0.816	0.880	0.927	0.966	0.982
3107.5	0.000	0.000	0.000	0.001	0.041	0.146	0.302	0.495	0.624	0.731	0.834	0.894	0.936	0.970	0.985
3110.0	0.000	0.000	0.000	0.001	0.019	0.092	0.205	0.344	0.533	0.655	0.755	0.854	0.907	0.944	0.974
3112.5	0.000	0.000	0.000	0.001	0.019	0.085	0.196	0.338	0.503	0.626	0.737	0.840	0.898	0.939	0.971
3115.0	0.000	0.000	0.000	0.001	0.014	0.078	0.172	0.298	0.476	0.601	0.710	0.825	0.884	0.933	0.969
3117.5	0.000	0.000	0.000	0.001	0.009	0.064	0.152	0.273	0.453	0.581	0.695	0.817	0.883	0.930	0.968
3120.0	0.000	0.000	0.000	0.001	0.019	0.074	0.176	0.311	0.497	0.624	0.731	0.840	0.898	0.939	0.971
3122.5	0.000	0.000	0.000	0.001	0.011	0.061	0.174	0.347	0.536	0.660	0.759	0.856	0.908	0.945	0.975
3125.0	0.000	0.000	0.000	0.000	0.003	0.042	0.129	0.260	0.454	0.587	0.696	0.822	0.886	0.934	0.967
3127.5	0.000	0.000	0.000	0.000	0.001	0.031	0.102	0.243	0.464	0.596	0.706	0.836	0.898	0.941	0.973
3130.0	0.000	0.000	0.000	0.001	0.011	0.061	0.154	0.333	0.522	0.647	0.752	0.852	0.907	0.943	0.973
3132.5	0.000	0.000	0.000	0.001	0.012	0.062	0.156	0.324	0.513	0.638	0.742	0.845	0.902	0.938	0.969
3135.0	0.000	0.000	0.001	0.008	0.041	0.161	0.300	0.449	0.629	0.729	0.809	0.885	0.923	0.951	0.975
3137.5	0.000	0.000	0.000	0.004	0.024	0.106	0.237	0.391	0.577	0.697	0.794	0.877	0.922	0.949	0.973
3140.0	0.000	0.000	0.000	0.002	0.016	0.082	0.213	0.377	0.564	0.685	0.787	0.873	0.920	0.948	0.973
3142.5	0.000	0.000	0.000	0.000	0.003	0.023	0.110	0.273	0.517	0.648	0.755	0.858	0.913	0.945	0.972
3145.0	0.000	0.000	0.001	0.008	0.028	0.121	0.282	0.507	0.668	0.753	0.852	0.902	0.937	0.966	0.980
3147.5	0.000	0.000	0.000	0.005	0.048	0.195	0.365	0.578	0.703	0.793	0.876	0.918	0.948	0.974	0.986
3150.0	0.000	0.013	0.136	0.320	0.516	0.710	0.810	0.875	0.928	0.954	0.971	0.986	0.992	0.996	0.998
3152.5	0.000	0.000	0.000	0.000	0.008	0.048	0.148	0.348	0.608	0.752	0.872	0.926	0.956	0.978	0.988
3155.0	0.000	0.021	0.194	0.424	0.643	0.834	0.916	0.960	0.985	0.993	0.997	0.999	0.999	1.000	1.000
3157.5	0.000	0.015	0.149	0.346	0.556	0.766	0.868	0.930	0.971	0.986	0.993	0.997	0.999	1.000	1.000
3160.0	0.000	0.010	0.119	0.298	0.501	0.725	0.842	0.915	0.965	0.982	0.991	0.996	0.998	0.999	1.000
3162.5	0.000	0.003	0.083	0.236	0.435	0.662	0.795	0.878	0.941	0.969	0.987	0.995	0.998	0.999	0.999
3165.0	0.000	0.003	0.063	0.199	0.392	0.632	0.784	0.851	0.919	0.959	0.984	0.995	0.998	0.999	0.999
3167.5	0.000	0.003	0.072	0.228	0.433	0.667	0.788	0.865	0.924	0.957	0.981	0.993	0.997	0.999	0.999
3170.0	0.000	0.002	0.054	0.174	0.345	0.568	0.702	0.797	0.881	0.923	0.952	0.976	0.987	0.995	0.999
3172.5	0.000	0.002	0.044	0.134	0.268	0.478	0.614	0.727	0.836	0.892	0.932	0.965	0.981	0.990	0.998
3175.0	0.000	0.000	0.015	0.070	0.228	0.384	0.534	0.698	0.798	0.858	0.919	0.948	0.968	0.984	0.991
3177.5	0.000	0.000	0.000	0.006	0.036	0.142	0.275	0.422	0.601	0.711	0.798	0.876	0.917	0.946	0.972
3180.0	0.000	0.000	0.000	0.002	0.020	0.110	0.249	0.398	0.582	0.694	0.782	0.867	0.912	0.943	0.971
3182.5	0.000	0.000	0.000	0.002	0.020	0.106	0.225	0.368	0.551	0.667	0.766	0.853	0.905	0.942	0.972

U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
3185.0	0.000	0.000	0.000	0.003	0.025	0.128	0.259	0.404	0.582	0.691	0.778	0.864	0.913	0.948	0.977	0.988
3187.5	0.000	0.004	0.055	0.144	0.294	0.418	0.535	0.673	0.757	0.823	0.890	0.928	0.952	0.980	0.990
3190.0	0.000	0.011	0.076	0.220	0.455	0.609	0.723	0.826	0.879	0.915	0.948	0.966	0.980	0.991	0.995
3192.5	0.000	0.017	0.113	0.268	0.519	0.686	0.885	0.952	0.977	0.989	0.996	0.998	0.999	1.000	1.000
3195.0	0.000	0.008	0.060	0.186	0.408	0.562	0.682	0.795	0.856	0.899	0.937	0.958	0.973	0.987	0.993
3197.5	0.000	0.004	0.038	0.110	0.249	0.376	0.502	0.650	0.761	0.832	0.880	0.919	0.948	0.974	0.986
3200.0	0.000	0.000	0.006	0.037	0.144	0.276	0.419	0.591	0.697	0.780	0.862	0.907	0.941	0.973	0.986
3202.5	0.000	0.002	0.025	0.108	0.302	0.462	0.600	0.737	0.813	0.868	0.919	0.946	0.966	0.986	0.991
3205.0	0.000	0.005	0.053	0.197	0.472	0.636	0.785	0.886	0.930	0.956	0.976	0.986	0.992	0.997	0.998
3207.5	0.000	0.005	0.047	0.167	0.391	0.552	0.683	0.807	0.871	0.913	0.949	0.967	0.978	0.989	0.994
3210.0	0.000	0.003	0.028	0.095	0.235	0.369	0.519	0.676	0.772	0.842	0.905	0.936	0.958	0.978	0.988
3212.5	0.000	0.000	0.000	0.004	0.055	0.161	0.311	0.518	0.649	0.751	0.846	0.896	0.932	0.965	0.980
3215.0	0.000	0.000	0.000	0.003	0.044	0.144	0.289	0.496	0.627	0.732	0.837	0.886	0.926	0.961	0.978
3217.5	0.000	0.000	0.000	0.001	0.024	0.099	0.220	0.412	0.549	0.665	0.781	0.850	0.901	0.949	0.972
3220.0	0.000	0.000	0.000	0.000	0.014	0.068	0.164	0.344	0.504	0.628	0.744	0.824	0.885	0.931	0.962
3222.5	0.000	0.000	0.000	0.000	0.011	0.058	0.141	0.309	0.469	0.595	0.709	0.798	0.865	0.917	0.952
3225.0	0.000	0.000	0.000	0.000	0.009	0.049	0.121	0.269	0.435	0.564	0.681	0.779	0.849	0.905	0.944
3227.5	0.000	0.000	0.000	0.000	0.007	0.042	0.104	0.234	0.402	0.534	0.654	0.760	0.833	0.893	0.936
3230.0	0.000	0.000	0.000	0.000	0.006	0.036	0.090	0.204	0.372	0.506	0.628	0.741	0.817	0.881	0.928
3232.5	0.000	0.000	0.000	0.000	0.005	0.031	0.078	0.178	0.345	0.479	0.604	0.723	0.802	0.869	0.920
3235.0	0.000	0.000	0.000	0.000	0.004	0.027	0.068	0.156	0.320	0.454	0.581	0.706	0.787	0.858	0.912
3237.5	0.000	0.000	0.000	0.000	0.004	0.024	0.059	0.137	0.297	0.430	0.559	0.689	0.772	0.847	0.904
3240.0	0.000	0.000	0.000	0.000	0.003	0.021	0.052	0.121	0.275	0.408	0.538	0.672	0.758	0.836	0.896
3242.5	0.000	0.000	0.000	0.000	0.003	0.019	0.046	0.107	0.255	0.387	0.518	0.655	0.744	0.825	0.888
3245.0	0.000	0.000	0.000	0.000	0.002	0.017	0.041	0.095	0.236	0.367	0.498	0.638	0.730	0.813	0.879
3247.5	0.000	0.000	0.000	0.000	0.002	0.015	0.036	0.084	0.218	0.348	0.479	0.621	0.716	0.801	0.870
3250.0	0.000	0.000	0.000	0.000	0.002	0.013	0.032	0.074	0.201	0.330	0.460	0.604	0.702	0.789	0.861
3252.5	0.000	0.000	0.000	0.000	0.001	0.012	0.028	0.065	0.185	0.313	0.442	0.587	0.688	0.777	0.852
3255.0	0.000	0.000	0.000	0.000	0.001	0.010	0.025	0.057	0.170	0.296	0.424	0.570	0.674	0.765	0.843
3257.5	0.000	0.000	0.000	0.000	0.001	0.009	0.022	0.050	0.156	0.280	0.406	0.553	0.660	0.753	0.834
3260.0	0.000	0.000	0.000	0.000	0.001	0.008	0.020	0.044	0.143	0.264	0.389	0.536	0.646	0.742	0.825
3262.5	0.000	0.000	0.000	0.000	0.001	0.007	0.018	0.039	0.131	0.249	0.372	0.519	0.632	0.730	0.816
3265.0	0.000	0.000	0.000	0.000	0.000	0.006	0.016	0.035	0.120	0.234	0.356	0.502	0.618	0.718	0.807
3267.5	0.000	0

WATER VAPOR AT 0.20 ATMOSPHERE PRESSURE
T=250° K

WATER VAPOR AT 0.20 ATMOSPHERE PRESSURE

T=250° K

WATER VAPOR AT 0.20 ATMOSPHERE PRESSURE
T=250° K

FREQ.	UPR.CM.] 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
2872.5	0.445	0.658	0.770	0.851	0.919	0.951	0.972	0.988	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2875.0	0.346	0.568	0.699	0.800	0.888	0.931	0.960	0.982	0.990	0.995	0.998	0.999	0.999	1.000	1.000
2877.5	0.304	0.526	0.662	0.769	0.865	0.916	0.947	0.975	0.986	0.992	0.997	0.998	0.999	1.000	1.000
2880.0	0.350	0.569	0.694	0.790	0.875	0.919	0.948	0.973	0.985	0.992	0.997	0.998	0.999	1.000	1.000
2882.5	0.474	0.683	0.786	0.856	0.914	0.943	0.963	0.980	0.989	0.994	0.997	0.999	0.999	1.000	1.000
2885.0	0.509	0.721	0.819	0.886	0.937	0.961	0.976	0.988	0.993	0.996	0.999	0.999	1.000	1.000	1.000
2887.5	0.467	0.683	0.790	0.867	0.929	0.958	0.976	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2890.0	0.372	0.600	0.726	0.823	0.905	0.945	0.969	0.985	0.993	0.996	0.999	0.999	1.000	1.000	1.000
2892.5	0.330	0.557	0.691	0.793	0.887	0.931	0.961	0.981	0.989	0.994	0.997	0.999	0.999	1.000	1.000
2895.0	0.317	0.545	0.681	0.786	0.878	0.923	0.953	0.976	0.986	0.992	0.997	0.998	0.999	1.000	1.000
2897.5	0.367	0.596	0.723	0.815	0.892	0.929	0.956	0.977	0.987	0.993	0.997	0.998	0.999	1.000	1.000
2900.0	0.587	0.820	0.912	0.929	0.969	0.983	0.994	0.996	0.998	0.998	0.999	0.999	0.999	1.000	1.000
2902.5	0.355	0.580	0.704	0.795	0.876	0.923	0.961	0.985	0.993	0.996	0.999	0.999	0.998	0.999	1.000
2905.0	0.243	0.484	0.623	0.733	0.833	0.886	0.931	0.963	0.980	0.991	0.997	0.998	0.998	0.999	1.000
2907.5	0.243	0.466	0.606	0.721	0.827	0.882	0.931	0.964	0.981	0.992	0.998	0.999	0.999	0.999	1.000
2910.0	0.281	0.513	0.655	0.763	0.861	0.909	0.942	0.968	0.981	0.989	0.995	0.997	0.999	0.999	1.000
2912.5	0.356	0.592	0.725	0.821	0.900	0.938	0.962	0.981	0.989	0.994	0.998	0.999	0.999	1.000	1.000
2915.0	0.367	0.584	0.718	0.815	0.895	0.935	0.962	0.982	0.989	0.995	0.998	0.999	0.999	1.000	1.000
2917.5	0.331	0.563	0.680	0.783	0.869	0.912	0.943	0.970	0.984	0.992	0.997	0.998	0.998	0.999	1.000
2920.0	0.277	0.511	0.637	0.746	0.838	0.905	0.937	0.964	0.977	0.986	0.993	0.996	0.998	0.999	1.000
2922.5	0.254	0.489	0.636	0.749	0.847	0.896	0.931	0.961	0.974	0.986	0.992	0.996	0.998	0.999	1.000
2925.0	0.288	0.470	0.646	0.687	0.800	0.860	0.903	0.941	0.960	0.973	0.986	0.992	0.996	0.998	0.999
2927.5	0.336	0.496	0.600	0.625	0.754	0.827	0.884	0.929	0.952	0.969	0.984	0.991	0.995	0.998	0.999
2930.0	0.191	0.399	0.548	0.673	0.792	0.854	0.898	0.937	0.957	0.972	0.986	0.991	0.995	0.998	0.999
2932.5	0.221	0.448	0.599	0.721	0.830	0.885	0.924	0.956	0.972	0.982	0.991	0.995	0.997	0.999	0.999
2935.0	0.270	0.481	0.612	0.723	0.841	0.896	0.932	0.960	0.975	0.985	0.994	0.997	0.998	0.999	1.000
2937.5	0.213	0.430	0.577	0.710	0.827	0.885	0.927	0.958	0.973	0.984	0.993	0.996	0.998	0.999	1.000
2940.0	0.212	0.441	0.598	0.722	0.836	0.891	0.928	0.958	0.972	0.982	0.991	0.995	0.997	0.999	0.999
2942.5	0.172	0.374	0.532	0.663	0.784	0.854	0.898	0.934	0.957	0.974	0.988	0.993	0.996	0.998	0.999
2945.0	0.084	0.226	0.383	0.534	0.692	0.780	0.843	0.901	0.932	0.954	0.974	0.985	0.992	0.996	0.998
2947.5	0.055	0.211	0.369	0.522	0.683	0.773	0.838	0.898	0.928	0.952	0.973	0.984	0.991	0.996	0.998
2950.0	0.049	0.203	0.361	0.517	0.682	0.773	0.840	0.898	0.930	0.952	0.972	0.983	0.991	0.995	0.998
2952.5	0.053	0.216	0.375	0.531	0.693	0.782	0.847	0.904	0.933	0.954	0.972	0.982	0.990	0.995	0.998
2955.0	0.071	0.244	0.409	0.561	0.716	0.800	0.858	0.911	0.938	0.958	0.975	0.984	0.991	0.995	0.998
2957.5	0.078	0.244	0.413	0.586	0.735	0.815	0.871	0.922	0.945	0.963	0.979	0.987	0.993	0.996	0.998
2960.0	0.130	0.351	0.526	0.670	0.800	0.865	0.908	0.944	0.964	0.977	0.988	0.993	0.996	0.998	0.999
2962.5	0.099	0.289	0.452	0.600	0.745	0.823	0.879	0.927	0.951	0.968	0.982	0.991	0.995	0.997	0.998
2965.0	0.250	0.425	0.535	0.553	0.706	0.795	0.858	0.910	0.939	0.961	0.979	0.988	0.993	0.996	0.998
2967.5	0.065	0.236	0.402	0.559	0.718	0.804	0.868	0.918	0.945	0.962	0.977	0.985	0.991	0.996	0.998
2970.0	0.062	0.229	0.396	0.557	0.716	0.803	0.868	0.918	0.944	0.962	0.977	0.985	0.991	0.995	0.998
2972.5	0.059	0.193	0.336	0.480	0.641	0.735	0.808	0.878	0.912	0.937	0.961	0.976	0.985	0.992	0.996
2975.0	0.009	0.090	0.195	0.342	0.525	0.667	0.761	0.851	0.899	0.931	0.964	0.981	0.977	0.988	0.994
2977.5	0.066	0.201	0.335	0.472	0.628	0.723	0.798	0.868	0.906	0.933	0.958	0.972	0.982	0.991	0.995
2980.0	0.120	0.279	0.410	0.456	0.789	0.856	0.903	0.942	0.960	0.973	0.983	0.992	0.993	0.997	0.998
2982.5	0.155	0.423	0.613	0.758	0.873	0.923	0.955	0.978	0.988	0.994	0.997	0.999	0.999	1.000	1.000
2985.0	0.152	0.404	0.595	0.740	0.860	0.913	0.944	0.971	0.984	0.993	0.997	0.999	0.999	1.000	1.000
2987.5	0.109	0.294	0.440	0.608	0.752	0.828	0.886	0.931	0.958	0.978	0.992	0.997	0.999	0.999	1.000
2990.0	0.065	0.209	0.335	0.502	0.664	0.757	0.837	0.895	0.931	0.960	0.983	0.993	0.997	0.999	1.000
2992.5	0.049	0.196	0.322	0.537	0.695	0.792	0.877	0.935	0.962	0.979	0.992	0.996	0.998	0.999	1.000
2995.0	0.194	0.431	0.589	0.713	0.824	0.877	0.915	0.944	0.962	0.973	0.983	0.989	0.993	0.996	0.998
2997.5	0.323	0.631	0.793	0.896	0.960	0.981	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
3000.0	0.327	0.630	0.788	0.890	0.955	0.977	0.989	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000
3002.5	0.308	0.607	0.764	0.865	0.939	0.967	0.984	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
3005.0	0.230	0.510	0.683	0.807	0.902	0.943	0.969	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000
3007.5	0.137	0.369	0.539	0.694	0.827	0.892	0.940	0.973	0.985	0.994	0.997	0.998	0.999	1.000	1.000
3010.0	0.063	0.211	0.361	0.511	0.674	0.767	0.836	0.900	0.931	0.953	0.972	0.982	0.988	0.994	0.997
3012.5	0.075	0.246	0.405	0.553	0.705	0.788	0.850	0.907	0.933	0.955	0.973	0.982	0.989	0.995	0.997
3015.0	0.072	0.233	0.383	0.530	0.686	0.774	0.839	0.898	0.928	0.950	0.970	0.980	0.988	0.994	0.997
3017.5	0.068	0.212	0.350	0.492	0.653	0.747	0.818	0.885	0.918	0.943	0.966	0.978	0.987	0.994	0.997
3020.0	0.083	0.214	0.354	0.501	0.663	0.751	0.732	0.827	0.878	0.915	0.944	0.967	0.981	0.991	0.995
3022.5	0.071	0.211	0.353	0.501	0.662	0.751	0.677	0.789	0.844	0.884	0.930	0.958	0.975	0.988	0.994
3025.0	0.061	0.222	0.386	0.537	0.685	0.775	0.695	0.767	0.820	0.861	0.910	0.945	0.970	0.986	0.993
3027.5	0.000	0.010	0.095	0.255	0.540	0.685	0.613	0.769	0.819	0.873	0.924	0.956	0.978	0.989	0.995
3030.0	0.000	0.004	0.047	0.136	0.311	0.544	0.583	0.721	0.793	0.858	0.915	0.951	0.975	0.988	0.993
3032.5	0.000	0.004	0.026	0.086	0.229	0.359	0.491	0.643	0.735	0.808	0.881	0.920	0.949	0.975	0.974
3035.0	0.000	0.003	0.019	0.071	0.203	0.333	0.463	0.623	0.719	0.796	0.872	0.914	0.945	0.973	0.985
3037.5	0.000	0.003	0.021	0.080	0.232	0.383	0.534	0.719	0.805	0.858	0.911	0.942	0.966	0.982	0.991
3040.0	0.043	0.216	0.380	0.531	0.682	0.765	0.829	0.890	0.922	0.945	0.966	0.977	0.986	0.993	0.996
3042.5	0.277	0.534	0.678	0.752	0.843	0.905	0.944	0.980	0.992	0.995	0.998	0.999	1.000	1.000	1.000
3045.0	0.074	0.283	0.469	0.632	0.779	0.850	0.899	0.962	0.981	0.975	0.988	0.995	0.995	0.998	0.999
3047.5	0.055	0.207	0.361	0.515	0.676	0.768	0.836	0.899	0.931	0.955	0.974	0.983	0.990	0.995	0.998
3050.0	0.031	0.167	0.328	0.492	0.667	0.765	0.839	0.898	0.931	0.955	0.974	0.983	0.990	0.994	0.998
3052.5	0.044	0.231	0.423	0.599	0.764	0.853	0.911	0.955	0.973	0.985	0.993	0.996	0.998	0.999	0.999
3055.0	0.043	0.212	0.393	0.565	0.735	0.820	0.878	0.927	0.950	0.968	0.979	0.988	0.990	0.995	0.997
3057.5	0.020	0.133	0.238	0.389	0.577	0.691	0.779	0.859	0.900	0.936	0.964	0.979	0.987	0.993	0.996
3060.0	0.004	0.059	0.171	0.329	0.535	0.681	0.757	0.864	0.891	0.924	0.954	0.969	0.979	0.989	0.994
3062.5	0.004	0.047	0.136	0.260	0.463	0.570	0.677	0.784	0.844	0.889	0.931	0.952	0.968	0.984	0.989
3065.0	0.004	0.045	0.115	0.213	0.368	0.490	0.602	0.729	0.793	0.853	0.906	0.933	0.955	0.974	0.985
3067.5	0.003	0.037	0.099	0.193	0.348	0.473	0.589	0.718	0.791	0.853	0.904	0.933	0.955	0.974	0.985
3070.0	0.009	0.095	0.229	0.379	0.555	0.662	0.747	0.851	0.878	0.913	0.948	0.963	0.976	0.987	0.992
3072.5	0.025	0.187	0.338	0.503	0.751	0.876	0.929	0.961	0.976	0.986	0.993	0.996	0.998	0.999	1.000
3075.0	0.022	0.172	0.318	0.489	0.734	0.866	0.924	0.961	0.977	0.988	0.994	0.997	0.998	0.999	1.000
3077.5	0.016	0.133	0.259	0.373	0.559	0.653	0.731	0.815	0.869	0.906	0.941	0.961	0.975	0.986	0.993
3080.0	0.001	0.070	0.170	0.312	0.503	0.631	0.556	0.696	0.770	0.836	0.896	0.930	0.954	0.974	0.984
3082.5	0.001	0.015	0.057	0.137	0.291	0.423	0.549	0.689	0.771	0.835	0.896	0.930	0.954	0.974	0.984
3085.0	0.008	0.081	0.197	0.335	0.512	0.626	0.720	0.831	0.868	0.905	0.941	0.960	0.975	0.988	0.994
3087.5	0.012	0.117	0.224	0.377	0.554	0.672	0.757	0.852	0.882	0.916	0.947	0.965	0.978	0.989	0.994
3090.0	0.011	0.119	0.240	0.403	0.604	0.738	0.840	0.919	0.948	0.967	0.983	0.990	0.994	0.998	0.999
3092.5	0.004	0.053	0.146	0.268	0.428	0.539	0.639	0.751	0.815	0.872	0.924	0.952	0.971	0.985	0.992
3095.0	0.000	0.006	0.028	0.078	0.197	0.319	0.443	0.615	0.718	0.800	0.880	0.922	0.951	0.975	0.986
3097.5	0.000	0.000	0.003	0.021	0.107	0.224	0.365	0.568	0.666	0.760	0.852	0.902	0.937	0.967	0.981
3100.0	0.000	0.000	0.003	0.020	0.105	0.221	0.362	0.565	0.662	0.755	0.864	0.898	0.932	0.965	0.980
3102.5	0.000	0.001	0.009	0.044	0.157	0.284	0.424	0.595	0.700	0.782	0.865	0.909	0.941	0.969	0.983
3105.0	0.000	0.001	0.011	0.053	0.178	0.328	0.447	0.611	0.712	0.792	0.869	0.911	0.942	0.970	0.983
3107.5	0.000	0.001	0.012	0.060	0.199	0.359	0.482	0.643	0.739	0.815	0.884	0.923	0.950	0.974	0.986
3110.0	0.000	0.003	0.023	0.089	0.243	0.383	0.519	0.673	0.761	0.830	0.894	0.931	0.956	0.977	0.987
3112.5	0.000	0.003	0.023	0.080	0.220	0.356	0.479	0.645	0.739	0.814	0.884	0.923	0.951	0.976	0.987
3115.0	0.000	0.003	0.022	0.076	0.205	0.332	0.443	0.620	0.718	0.798	0.873	0.915	0.944	0.973	0.985
3117.5	0.000	0.002	0.016	0.062	0.165	0.271	0.381	0.554	0.665	0.760	0.852	0.901	0.936	0.967	0.983
3120.0	0.000	0.002	0.018	0.071	0.208	0.343	0.481	0.648	0.736	0.812	0.884	0.923	0.951	0.975	0.986
3122.5	0.000	0.002	0.019	0.077	0.228	0.372	0.515	0.675	0.765	0.835	0.898	0.932	0.956	0.978	0.988
3125.0	0.000	0.000	0.006	0.038	0.155	0.288	0.436	0.603	0.712	0.793	0.868	0.910	0.943	0.971	0.985
3127.5	0.000	0.001	0.009	0.048	0.172	0.306	0.449	0.618	0.718	0.796	0.871	0.912	0.943	0.971	0.985
3130.0	0.000	0.002	0.019	0.079	0.233	0.376	0.515	0.667	0.756	0.826	0.889	0.926	0.954	0.976	0.988
3132.5	0.000	0.002	0.022	0.090	0.258	0.407	0.545	0.693	0.778	0.842	0.901	0.932	0.956	0.977	0.989
3135.0	0.001	0.014	0.059	0.155	0.339	0.483	0.610	0.761	0.815	0.870	0.920	0.944	0.966	0.980	0.988
3137.5	0.004	0.051	0.145	0.277	0.466	0.596	0.708	0.869	0.902	0.905	0.941	0.961	0.977	0.988	0.993
3140.0	0.015	0.111	0.242	0.411	0.622	0.752	0.831	0.907	0.936	0.954	0.972	0.982	0.989	0.994	0.997
3142.5	0.022	0.152	0.324	0.509	0.694	0.797	0.898	0.959	0.969	0.963	0.980	0.989	0.994	0.997	0.998
3145.0	0.027	0.158	0.331	0.500	0.678	0.772	0.862	0.929	0.957	0.969	0.984	0.992	0.996	0.998	0.999
3147.5	0.047	0.244	0.413	0.571	0.728	0.808	0.866	0.917	0.943	0.962	0.979	0.987	0.993	0.997	0.998
3150.0	0.128	0.349	0.531	0.697	0.825	0.883	0.921	0.952	0.968	0.978	0.988	0.993	0.996	0.998	0.999
3152.5	0.117	0.345	0.529	0.700	0.829	0.888	0.926	0.955	0.970	0.979	0.988	0.993	0.996	0.998	0.999
3155.0	0.137	0.443	0.654	0.795	0.908	0.948	0.972	0.988	0.994	0.997	0.999	0.999	1.000	1.000	1.000
3157.5	0.138	0.387	0.572	0.720	0.850	0.909	0.946	0.975	0.987	0.993	0.997	0.999	0.999	1.000	1.000
3160.0	0.113	0.344	0.527	0.680	0.821	0.889	0.936	0.969	0.985	0.991	0.997	0.998	0.999	1.000	1.000
3162.5	0.078	0.278	0.460	0.628	0.777	0.856	0.918	0.953	0.972	0.983	0.992	0.995	0.998	0.999	0.999
3165.0	0.059	0.239	0.418	0.585	0.755	0.841	0.905	0.943	0.963	0.978	0.988	0.993	0.996	0.998	0.999
3167.5	0.068	0.273	0.465	0.632	0.790	0.864	0.918	0.954	0.967	0.978	0.987	0.992	0.996	0.998	0.999
3170.0	0.050	0.211	0.379	0.544	0.716	0.807	0.869	0.921	0.947	0.965	0.981	0.989	0.994	0.997	0.999
3172.5	0.041	0.184	0.303	0.454	0.638	0.743	0.828	0.890	0.926	0.951	0.973	0.986	0.991	0.996	0.998
3175.0	0.041	0.205	0.349	0.519	0.719	0.822	0.894	0.944	0.964	0.981	0.992	0.996	0.998	0.999	1.000
3177.5	0.080	0.311	0.496	0.636	0.810	0.893	0.939	0.971	0.985	0.988	0.994	0.997	0.998	0.999	0.999
3180.0	0.006	0.005	0.036	0.115	0.288	0.435	0.569	0.732	0.792	0.853	0.909	0.938	0.959	0.977	0.986
3182.5	0.000	0.005	0.032	0.103	0.264	0.404	0.541	0.688	0.773	0.837	0.898	0.930	0.955	0.976	0.986

FREQ.	UPR.CM.] 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
3185.0	0.000	0.006	0.048	0.125	0.300	0.444	0.578	0.714	0.792	0.851	0.904	0.936	0.958	0.979	0.988
3187.5	0.009	0.077	0.176	0.288	0.453	0.567	0.669	0.776	0.836	0.882	0.925	0.948	0.966	0.982	0.990
3190.0	0.021	0.110	0.242	0.441	0.634	0.747	0.824	0.887	0.922	0.942	0.964	0.976	0.984	0.992	0.995
3192.5	0.017	0.103	0.282	0.599	0.803	0.890	0.940	0.975	0.988	0.994	0.996	0.998	0.999	1.000	1.000
3195.0	0.008	0.049	0.229	0.562	0.785	0.896	0.781	0.863	0.904	0.933	0.956	0.971	0.980	0.989	0.994
3197.5	0.006	0.055	0.196	0.241	0.404	0.527	0.638	0.757	0.824	0.873	0.920	0.945	0.962	0.979	0.987
3200.0	0.000	0.011	0.053	0.141	0.332	0.493	0.581	0.718	0.796	0.853	0.907	0.935	0.956	0.976	0.986
3202.5	0.002	0.043	0.167	0.296	0.500	0.627	0.728	0.825	0.877	0.913	0.946	0.963	0.975	0.986	0.992
3205.0	0.005	0.087	0.253	0.444	0.691	0.802	0.875	0.932	0.957	0.972	0.985	0.990	0.994	0.997	0.998
3207.5	0.005	0.076	0.237	0.385	0.586	0.699	0.767	0.870	0.913	0.942	0.966	0.977	0.985	0.991	0.995
3210.0	0.003	0.044	0.242	0.441	0.698	0.797	0.868	0.933	0.956	0.972	0.985	0.990	0.994	0.997	0.998
3212.5	0.000	0.000	0.009	0.051	0.192	0.341	0.497	0.661	0.759	0.831	0.898	0.929	0.952	0.972	0.983
3215.0	0.000	0.000	0.006	0.042	0.176	0.326	0.478	0.649	0.747	0.820	0.887	0.922	0.947	0.970	0.982
3217.5	0.000	0.000	0.003	0.025	0.127	0.258	0.404	0.581	0.689	0.773	0.854	0.897	0.929	0.960	0.975
3220.0	0.000	0.000	0.001	0.013	0.078	0.174	0.297	0.470	0.590	0.692	0.797	0.856	0.901	0.944	0.966
3222.5	0.000	0.000	0.002	0.016	0.097	0.210	0.340	0.563	0.684	0.788	0.876	0.926	0.952	0.969	0.980
3225.0	0.000	0.000	0.000	0.007	0.064	0.159	0.279	0.470	0.615	0.725	0.835	0.901	0.936	0.964	0.979
3227.5	0.000	0.000	0.000	0.008	0.048	0.147	0.337	0.486	0.632	0.744	0.858	0.913	0.944	0.983	0.991
3230.0	0.000	0.000	0.000	0.010	0.050	0.152	0.343	0.488	0.613	0.742	0.815	0.868	0.920	0.965	0.982
3232.5	0.000	0.000	0.000	0.010	0.051	0.138	0.309	0.447	0.574	0.711	0.790	0.856	0.909	0.956	0.978
3235.0	0.000	0.000	0.000	0.009	0.048	0.128	0.308	0.448	0.574	0.705	0.805	0.859	0.899	0.951	0.977
3237.5	0.000	0.000	0.000	0.009	0.051	0.142	0.340	0.484	0.605	0.714	0.805	0.859	0.899	0.951	0.977
3240.0	0.000	0.000	0.000	0.009	0.049	0.147	0.337	0.486	0.632	0.744	0.858	0.913	0.944	0.983	0.991
3242.5	0.000	0.000	0.000	0.009	0.050	0.152	0.343	0.488	0.613	0.742	0.815	0.868	0.920	0.965	0.982
3245.0	0.000	0.000	0.000	0.010	0.051	0.138	0.309	0.447	0.574	0.711	0.790	0.856	0.909	0.956	0.978
3247.5	0.000	0.000	0.000	0.009	0.048	0.128	0.308	0.448	0.574	0.705	0.805	0.859	0.899	0.951	0.977
3250.0	0.000	0.000	0.000	0.009	0.051	0.142	0.340	0.484	0.605	0.714	0.805	0.859	0.899	0.951	0.977
3252.5	0.000	0.000	0.000	0.008	0.048	0.143	0.338	0.493	0.626	0.740	0.851	0.883	0.928	0.951	0.966	0.980	0.987
3255.0	0.000	0.000	0.000	0.008	0.042	0.119	0.279	0.418	0.550	0.692	0.774	0.851	0.895	0.926	0.944	0.964	0.979
3257.5	0.000	0.000	0.000	0.006	0.032	0.088	0.211	0.355	0.489	0.653	0.753	0.845	0.888	0.915	0.933	0.956	0.973
3260.0	0.000	0.000	0.000	0.006	0.031	0.085	0.203	0.343	0.490	0.616	0.744	0.834	0.885	0.915	0.941	0.960	0.977	0.985
3262.5	0.000	0.000	0.000	0.006	0.032	0.088	0.209	0.443	0.607	0.726	0.833	0.883	0.904	0.948	0.958	0.981	0.991	0.995
3265.0	0.000	0.000	0.000	0.006	0.031	0.085	0.203	0.343

WATER VAPOR AT 0.10 ATMOSPHERE PRESSURE

T = 250° K

U(PR.CM.)

FREQ	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1310.0	0.039	0.149	0.271	0.404	0.573	0.678	0.764	0.851	0.898	0.932	0.961	0.976	0.986	0.994	0.997
1312.5	0.009	0.054	0.132	0.244	0.418	0.545	0.657	0.776	0.844	0.894	0.938	0.961	0.977	0.990	0.997
1315.0	0.001	0.020	0.073	0.172	0.349	0.485	0.608	0.742	0.818	0.874	0.925	0.951	0.970	0.986	0.992
1317.5	0.001	0.024	0.086	0.194	0.376	0.511	0.630	0.757	0.828	0.881	0.928	0.952	0.970	0.985	0.991
1320.0	0.008	0.062	0.158	0.291	0.481	0.606	0.709	0.812	0.868	0.909	0.944	0.964	0.977	0.988	0.993
1322.5	0.018	0.110	0.238	0.388	0.574	0.686	0.773	0.857	0.902	0.934	0.962	0.976	0.985	0.992	0.996
1325.0	0.023	0.136	0.282	0.443	0.630	0.734	0.812	0.886	0.925	0.952	0.975	0.986	0.992	0.996	0.998
1327.5	0.027	0.149	0.302	0.464	0.647	0.749	0.824	0.896	0.933	0.959	0.980	0.989	0.994	0.998	0.999
1330.0	0.021	0.135	0.286	0.450	0.638	0.744	0.821	0.895	0.933	0.959	0.980	0.989	0.994	0.998	0.999
1332.5	0.016	0.108	0.239	0.394	0.584	0.699	0.786	0.871	0.916	0.947	0.972	0.983	0.990	0.995	0.997
1335.0	0.006	0.053	0.134	0.249	0.422	0.549	0.659	0.776	0.843	0.893	0.937	0.959	0.973	0.986	0.992
1337.5	0.000	0.009	0.039	0.103	0.240	0.368	0.496	0.648	0.742	0.816	0.886	0.922	0.948	0.971	0.983
1340.0	0.000	0.003	0.022	0.074	0.204	0.333	0.465	0.623	0.722	0.800	0.875	0.914	0.942	0.968	0.981
1342.5	0.010	0.074	0.162	0.266	0.492	0.522	0.624	0.738	0.808	0.863	0.915	0.941	0.960	0.978	0.987
1345.0	0.011	0.098	0.227	0.380	0.568	0.682	0.770	0.853	0.899	0.931	0.959	0.972	0.987	0.990	0.994
1347.5	0.013	0.121	0.281	0.460	0.656	0.761	0.836	0.901	0.934	0.956	0.975	0.983	0.989	0.994	0.997
1350.0	0.005	0.073	0.201	0.367	0.573	0.694	0.785	0.867	0.910	0.940	0.965	0.976	0.984	0.992	0.995
1352.5	0.004	0.059	0.173	0.329	0.534	0.660	0.758	0.850	0.899	0.933	0.962	0.975	0.984	0.991	0.995
1355.0	0.002	0.036	0.119	0.252	0.453	0.589	0.702	0.813	0.874	0.918	0.955	0.972	0.983	0.992	0.995
1357.5	0.000	0.013	0.057	0.148	0.323	0.464	0.593	0.731	0.813	0.874	0.929	0.956	0.973	0.986	0.992
1360.0	0.000	0.003	0.019	0.068	0.192	0.317	0.450	0.611	0.714	0.798	0.878	0.918	0.946	0.970	0.981
1362.5	0.000	0.000	0.006	0.034	0.133	0.251	0.386	0.558	0.670	0.761	0.850	0.896	0.929	0.958	0.974
1365.0	0.000	0.003	0.024	0.083	0.218	0.345	0.474	0.627	0.722	0.798	0.870	0.909	0.936	0.962	0.975
1367.5	0.000	0.004	0.034	0.119	0.303	0.454	0.588	0.727	0.804	0.862	0.914	0.940	0.959	0.976	0.985
1370.0	0.000	0.004	0.035	0.126	0.320	0.476	0.612	0.748	0.823	0.877	0.925	0.949	0.966	0.980	0.987
1372.5	0.000	0.001	0.014	0.065	0.209	0.351	0.493	0.652	0.746	0.819	0.888	0.923	0.947	0.968	0.979
1375.0	0.000	0.000	0.005	0.033	0.136	0.261	0.401	0.573	0.682	0.770	0.856	0.901	0.932	0.960	0.973
1377.5	0.000	0.000	0.006	0.035	0.142	0.269	0.408	0.579	0.687	0.774	0.859	0.904	0.936	0.963	0.976
1380.0	0.000	0.005	0.038	0.122	0.294	0.435	0.564	0.704	0.785	0.849	0.909	0.940	0.962	0.979	0.988
1382.5	0.000	0.006	0.047	0.157	0.370	0.530	0.661	0.787	0.853	0.901	0.944	0.964	0.978	0.989	0.994
1385.0	0.000	0.006	0.042	0.135	0.314	0.455	0.581	0.718	0.797	0.858	0.915	0.943	0.962	0.978	0.985
1387.5	0.000	0.001	0.010	0.045	0.152	0.277	0.415	0.588	0.697	0.784	0.868	0.910	0.939	0.964	0.976
1390.0	0.000	0.000	0.000	0.005	0.056	0.153	0.289	0.480	0.610	0.716	0.821	0.876	0.915	0.949	0.966
1392.5	0.000	0.000	0.000	0.004	0.046	0.133	0.262	0.451	0.582	0.691	0.800	0.859	0.901	0.940	0.959
1395.0	0.000	0.000	0.000	0.002	0.028	0.098	0.214	0.400	0.534	0.649	0.767	0.832	0.881	0.926	0.950
1397.5	0.000	0.000	0.000	0.002	0.031	0.104	0.222	0.407	0.540	0.654	0.769	0.834	0.881	0.926	0.949
1400.0	0.000	0.000	0.000	0.006	0.057	0.151	0.283	0.470	0.596	0.701	0.806	0.863	0.904	0.940	0.959
1402.5	0.000	0.000	0.000	0.009	0.075	0.186	0.330	0.520	0.643	0.743	0.841	0.891	0.926	0.956	0.970
1405.0	0.000	0.000	0.004	0.029	0.136	0.270	0.419	0.600	0.711	0.799	0.882	0.923	0.950	0.972	0.982
1407.5	0.000	0.000	0.004	0.032	0.145	0.282	0.433	0.614	0.725	0.811	0.891	0.930	0.956	0.977	0.986
1410.0	0.000	0.000	0.005	0.039	0.177	0.335	0.497	0.676	0.778	0.853	0.919	0.950	0.970	0.986	0.993
1412.5	0.000	0.000	0.007	0.020	0.120	0.259	0.418	0.609	0.722	0.808	0.885	0.924	0.950	0.973	0.983
1415.0	0.000	0.000	0.001	0.012	0.077	0.174	0.293	0.459	0.575	0.677	0.784	0.845	0.890	0.931	0.953
1417.5	0.000	0.000	0.000	0.002	0.022	0.069	0.152	0.309	0.441	0.567	0.704	0.786	0.847	0.903	0.933
1420.0	0.000	0.000	0.000	0.001	0.016	0.060	0.143	0.303	0.438	0.566	0.708	0.789	0.849	0.905	0.934
1422.5	0.000	0.000	0.000	0.002	0.033	0.108	0.230	0.421	0.557	0.673	0.789	0.852	0.896	0.936	0.956
1425.0	0.000	0.000	0.000	0.004	0.055	0.150	0.302	0.509	0.638	0.739	0.835	0.886	0.921	0.953	0.968
1427.5	0.000	0.000	0.000	0.004	0.052	0.154	0.300	0.502	0.632	0.735	0.833	0.884	0.921	0.953	0.969
1430.0	0.000	0.000	0.000	0.006	0.071	0.190	0.347	0.548	0.674	0.771	0.861	0.906	0.938	0.965	0.977
1432.5	0.000	0.000	0.000	0.004	0.047	0.131	0.247	0.416	0.539	0.649	0.765	0.830	0.880	0.926	0.950
1435.0	0.000	0.000	0.000	0.004	0.036	0.093	0.173	0.309	0.428	0.545	0.681	0.763	0.828	0.890	0.924
1437.5	0.000	0.000	0.002	0.020	0.101	0.184	0.268	0.385	0.485	0.585	0.705	0.778	0.837	0.895	0.926
1440.0	0.000	0.000	0.002	0.032	0.181	0.340	0.483	0.626	0.710	0.779	0.849	0.889	0.919	0.948	0.963
1442.5	0.000	0.000	0.004	0.048	0.265	0.491	0.687	0.863	0.911	0.950	0.977	0.987	0.993	0.997	0.998
1445.0	0.000	0.000	0.002	0.029	0.176	0.357	0.524	0.703	0.796	0.862	0.919	0.945	0.963	0.979	0.986
1447.5	0.000	0.000	0.001	0.017	0.098	0.211	0.349	0.537	0.658	0.754	0.846	0.894	0.927	0.957	0.972
1450.0	0.000	0.000	0.000	0.001	0.022	0.094	0.224	0.439	0.584	0.701	0.814	0.873	0.914	0.950	0.967
1452.5	0.000	0.000	0.000	0.000	0.010	0.054	0.144	0.345	0.434	0.555	0.693	0.776	0.840	0.900	0.931
1455.0	0.000	0.000	0.000	0.000	0.008	0.038	0.094	0.197	0.293	0.403	0.553	0.657	0.744	0.832	0.880
1457.5	0.000	0.000	0.000	0.000	0.001	0.009	0.038	0.124	0.223	0.343	0.508	0.621	0.716	0.812	0.865
1460.0	0.000	0.000	0.000	0.000	0.002	0.023	0.086	0.227	0.351	0.474	0.619	0.711	0.785	0.858	0.898
1462.5	0.000	0.000	0.000	0.000	0.004	0.039	0.136	0.337	0.495	0.630	0.767	0.831	0.881	0.925	0.947
1465.0	0.000	0.000	0.000	0.001	0.026	0.107	0.257	0.476	0.622	0.736	0.838	0.869	0.923	0.953	0.967
1467.5	0.000	0.000	0.000	0.001	0.025	0.100	0.234	0.446	0.591	0.708	0.817	0.872	0.911	0.945	0.962
1470.0	0.000	0.000	0.000	0.001	0.023	0.086	0.191	0.365	0.497	0.616	0.741	0.811	0.864	0.913	0.939
1472.5	0.000	0.000	0.000	0.000	0.001	0.010	0.051	0.177	0.311	0.450	0.615	0.714	0.791	0.865	0.904
1475.0	0.000	0.000	0.000	0.000	0.003	0.020	0.072	0.205	0.337	0.472	0.631	0.726	0.801	0.871	0.909
1477.5	0.000	0.000	0.000	0.000	0.015	0.066	0.168	0.348	0.487	0.610	0.741	0.813	0.867	0.916	0.941
1480.0	0.000	0.000	0.000	0.001	0.031	0.121	0.269	0.488	0.629	0.739	0.840	0.891	0.926	0.955	0.970
1482.5	0.000	0.000	0.000	0.001	0.032	0.127	0.281	0.503	0.643	0.751	0.849	0.898	0.931	0.959	0.973
1485.0	0.000	0.000	0.000	0.001	0.021	0.084	0.198	0.388	0.527	0.647	0.769	0.835	0.884	0.929	0.951
1487.5	0.000	0.000	0.000	0.000	0.005	0.032	0.104	0.264	0.407	0.542	0.689	0.774	0.838	0.898	0.930
1490.0	0.000	0.000	0.000	0.000	0.001	0.017	0.074	0.228	0.374	0.517	0.674	0.764	0.832	0.895	0.928
1492.5	0.000	0.000	0.000	0.000	0.001	0.014	0.066	0.215	0.364	0.511	0.673	0.766	0.835	0.898	0.930
1495.0	0.000	0.000	0.000	0.000	0.001	0.011	0.051	0.177	0.312	0.457	0.627	0.728	0.807	0.879	0.916
1497.5	0.000	0.000	0.000	0.000	0.000	0.004	0.028	0.134	0.266	0.414	0.595	0.705	0.790	0.869	0.909
1500.0	0.000	0.000	0.000	0.000	0.001	0.013	0.063	0.212	0.361	0.508	0.672	0.767	0.837	0.900	0.931
1502.5	0.000	0.000	0.000	0.000	0.001	0.012	0.060	0.197	0.335	0.476	0.640	0.738	0.812	0.881	0.917
1505.0	0.000	0.000	0.000	0.000	0.001	0.011	0.048	0.145	0.246	0.362	0.519	0.627	0.719	0.812	0.864
1507.5	0.000	0.000	0.000	0.000	0.000	0.001	0.008	0.055	0.134	0.249	0.424	0.550	0.660	0.774	0.838
1510.0	0.000	0.000	0.000	0.000	0.000	0.003	0.021	0.102	0.208	0.336	0.508	0.623	0.720	0.818	0.873
1512.5	0.000	0.000	0.000	0.000	0.000	0.005	0.037	0.159	0.301	0.452	0.626	0.729	0.808	0.883	0.922
1515.0	0.000	0.000	0.000	0.000	0.000	0.005	0.036	0.157	0.298	0.447	0.621	0.723	0.802	0.876	0.915
1517.5	0.000	0.000	0.000	0.000	0.000	0.003	0.024	0.109	0.220	0.352	0.526	0.640	0.733	0.825	0.876
1520.0	0.000	0.000	0.000	0.000	0.000	0.001	0.009	0.058	0.141	0.258	0.435	0.561	0.670	0.780	0.842
1522.5	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.047	0.125	0.241	0.419	0.548	0.659	0.773	0.837
1525.0	0.000	0.000	0.000	0.000	0.000	0.001	0.012	0.075	0.173	0.303	0.483	0.604	0.706	0.808	0.864
1527.5	0.000	0.000	0.000	0.000	0.001	0.008	0.043	0.161	0.293	0.436	0.606	0.709	0.790	0.867	0.908
1530.0	0.000	0.000	0.000	0.000	0.001	0.009	0.050	0.184	0.328	0.477	0.645	0.742	0.816	0.885	0.921
1532.5	0.000	0.000	0.000	0.000	0.001	0.009	0.049	0.182	0.329	0.480	0.650	0.748	0.821	0.888	0.922
1535.0	0.000	0.000	0.000	0.000	0.000	0.002	0.017	0.101	0.221	0.365	0.550	0.665	0.756	0.843	0.888
1537.5	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.052	0.130	0.241	0.411	0.535	0.644	0.759	0.824
1540.0	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.020	0.070	0.159	0.322	0.455	0.578	0.711	0.788
1542.5	0.000	0.000	0.000	0.000	0.000	0.002	0.017	0.076	0.153	0.255	0.412	0.532	0.640	0.755	0.821
1545.0	0.000	0.000	0.000	0.000	0.001	0.014	0.066	0.207	0.340	0.471	0.626	0.722	0.798	0.870	0.908
1547.5	0.000	0.000	0.000	0.000	0.006	0.046	0.154	0.376	0.545	0.684	0.815	0.878	0.921	0.955	0.971
1550.0	0.000	0.000	0.000	0.000	0.006	0.048	0.163	0.393	0.564	0.700	0.824	0.884	0.923	0.954	0.969
1552.5	0.000	0.000	0.000	0.000	0.005	0.039	0.134	0.341	0.508	0.650	0.785	0.853	0.900	0.939	0.958
1555.0	0.000	0.000	0.000	0.000	0.000	0.007	0.046	0.173	0.303	0.437	0.596	0.695	0.774	0.851	0.893
1557.5	0.000	0.000	0.000	0.000	0.000	0.003	0.021	0.086	0.167	0.269	0.422	0.538	0.642	0.755	0.820
1560.0	0.000	0.000	0.000	0.000	0.000	0.001	0.008	0.054	0.127	0.229	0.390	0.512	0.622	0.742	0.811
1562.5	0.000	0.000	0.000	0.000	0.000	0.004	0.033	0.141	0.260	0.386	0.541	0.643	0.728	0.817	0.867
1565.0	0.000	0.000	0.000	0.000	0.000	0.005	0.039	0.173	0.324	0.477	0.646	0.743	0.816	0.883	0.918
1567.5	0.000	0.000	0.000	0.000	0.000	0.006	0.043	0.187	0.332	0.481	0.647	0.743	0.814	0.881	0.916
1570.0	0.000	0.000	0.000	0.000	0.003	0.025	0.089	0.247	0.392	0.531	0.683	0.770	0.836	0.897	0.927
1572.5	0.000	0.000	0.000	0.000	0.003	0.025	0.087	0.241	0.366	0.526	0.682	0.773	0.841	0.902	0.932
1575.0	0.000	0.000	0.000	0.000	0.003	0.024	0.081	0.224	0.363	0.503	0.664	0.760	0.832	0.896	0.928
1577.5	0.000	0.000	0.000	0.001	0.021	0.071	0.150	0.292	0.418	0.545	0.691	0.777	0.842	0.901	0.931
1580.0	0.000	0.000	0.000	0.004	0.058	0.167	0.317	0.515	0.641	0.741	0.837	0.886	0.921	0.951	0.966
1582.5	0.000	0.000	0.003	0.034	0.183	0.371	0.572	0.780	0.877	0.934	0.973	0.987	0.993	0.997	0.999
1585.0	0.000	0.000	0.006	0.059	0.278	0.496	0.686	0.852	0.922	0.960	0.984	0.993	0.996	0.998	0.999
1587.5	0.000	0.000	0.006	0.065	0.294	0.505	0.677	0.823	0.888	0.928	0.959	0.973	0.982	0.990	0.994
1590.0	0.000	0.000	0.003	0.038	0.193	0.363	0.527	0.694	0.785	0.850	0.904	0.935	0.955	0.974	0.984
1592.5	0.000	0.000	0.001	0.016	0.114	0.253	0.411	0.598	0.707	0.791	0.866	0.906	0.935	0.962	0.976
1595.0	0.000	0.000	0.001	0.019	0.124	0.267	0.425	0.611	0.718	0.801	0.873	0.912	0.939	0.965	0.978
1597.5	0.000	0.000	0.002	0.028	0.164	0.328	0.493	0.674	0.771	0.853	0.904	0.935	0.956	0.975	0.985
1600.0	0.000	0.000	0.002	0.030	0.172	0.342	0.510	0.689	0.785	0.854	0.912	0.941	0.961	0.978	0.986
1602.5	0.000	0.000	0.002	0.027	0.172	0.349	0.523	0.705	0.799	0.866	0.919	0.945	0.963	0.978	0.986
1605.0	0.000	0.000	0.001	0.016	0.124	0.278	0.447	0.640	0.748	0.826	0.894	0.928	0.952	0.973	0.983
1607.5	0.000	0.000	0.000	0.010	0.080	0.194	0.339	0.537	0.664	0.764	0.857	0.905	0.938	0.967	0.980
1610.0	0.000	0.000	0.000	0.001	0.019	0.075	0.184	0.384	0.535	0.663	0.79[illegible]	[illegible]	0.905	0.946	0.966
1612.5	0.000	0.000	0.000	0.000	0.003	0.023	0.083	0.230	0.369	0.507	0.664	[illegible]	0.826	0.892	0.925
1615.0	0.000	0.000	0.000	0.000	0.001	0.010	0.043	0.154	0.283	0.424	0.596	[illegible]	[illegible]	0.860	0.901
1617.5	0.000	0.000	0.000	0.000	0.008	0.042	0.114	0.258	0.387	0.515	0.663	[illegible]	[illegible]	0.883	0.917
1620.0	0.000	0.000	0.000	0.000	0.008	0.044	0.127	0.300	0.449	0.585	0.728	[illegible]	0.864	0.915	0.941

WATER VAPOR AT 0.10 ATMOSPHERE PRESSURE
T=250° K

WATER VAPOR AT 0.10 ATMOSPHERE PRESSURE
T=250° K

FREQ.	UNIFORM (CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
2872.5	0.348	0.742	0.832	0.887	0.936	0.959	0.975	0.988	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2875.0	0.361	0.747	0.775	0.841	0.912	0.943	0.965	0.985	0.991	0.995	0.998	0.999	0.999	1.000	1.000
2877.5	0.360	0.692	0.718	0.822	0.898	0.933	0.956	0.977	0.987	0.993	0.997	0.998	0.999	1.000	1.000
2880.0	0.310	0.681	0.776	0.845	0.906	0.937	0.959	0.977	0.987	0.992	0.997	0.998	0.999	1.000	1.000
2882.5	0.469	0.775	0.848	0.885	0.937	0.957	0.971	0.984	0.990	0.994	0.997	0.998	1.000	1.000	1.000
2885.0	0.663	0.805	0.874	0.917	0.951	0.969	0.980	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2887.5	0.621	0.771	0.849	0.899	0.944	0.965	0.979	0.989	0.993	0.997	0.999	0.999	1.000	1.000	1.000
2890.0	0.535	0.705	0.799	0.865	0.924	0.952	0.972	0.987	0.993	0.996	0.999	0.999	1.000	1.000	1.000
2892.5	0.493	0.670	0.770	0.843	0.910	0.943	0.965	0.983	0.992	0.995	0.998	0.999	0.999	1.000	1.000
2895.0	0.479	0.660	0.763	0.838	0.905	0.939	0.961	0.980	0.989	0.993	0.997	0.998	0.999	1.000	1.000
2897.5	0.528	0.703	0.797	0.862	0.918	0.946	0.965	0.981	0.988	0.993	0.997	0.998	0.999	1.000	1.000
2900.0	0.551	0.725	0.814	0.875	0.926	0.950	0.966	0.981	0.988	0.993	0.997	0.998	0.999	1.000	1.000
2902.5	0.517	0.692	0.787	0.851	0.907	0.936	0.956	0.975	0.985	0.991	0.996	0.997	0.998	0.999	1.000
2905.0	0.426	0.615	0.725	0.805	0.877	0.914	0.941	0.965	0.978	0.988	0.994	0.996	0.998	0.999	1.000
2907.5	0.424	0.596	0.710	0.793	0.870	0.911	0.940	0.965	0.977	0.985	0.993	0.996	0.998	0.999	1.000
2910.0	0.447	0.640	0.748	0.826	0.895	0.930	0.954	0.975	0.984	0.990	0.995	0.998	0.999	0.999	1.000
2912.5	0.524	0.706	0.802	0.866	0.923	0.951	0.969	0.984	0.991	0.995	0.998	0.999	0.999	1.000	1.000
2915.0	0.518	0.701	0.798	0.864	0.921	0.948	0.966	0.981	0.988	0.992	0.996	0.998	0.999	1.000	1.000
2917.5	0.481	0.667	0.769	0.840	0.901	0.934	0.956	0.976	0.987	0.992	0.996	0.998	0.999	1.000	1.000
2920.0	0.457	0.647	0.755	0.830	0.898	0.929	0.952	0.972	0.982	0.988	0.994	0.997	0.998	0.999	1.000
2922.5	0.478	0.627	0.740	0.818	0.888	0.921	0.944	0.970	0.980	0.987	0.993	0.996	0.998	0.999	1.000
2925.0	0.364	0.558	0.678	0.768	0.852	0.896	0.928	0.956	0.970	0.980	0.988	0.993	0.996	0.998	0.999
2927.5	0.282	0.483	0.618	0.720	0.820	0.873	0.910	0.943	0.961	0.973	0.984	0.990	0.994	0.997	0.999
2930.0	0.345	0.540	0.663	0.757	0.844	0.892	0.925	0.954	0.968	0.978	0.987	0.992	0.996	0.998	0.999
2932.5	0.390	0.591	0.709	0.795	0.866	0.908	0.932	0.958	0.972	0.981	0.989	0.993	0.996	0.998	0.999
2935.0	0.403	0.603	0.720	0.804	0.873	0.912	0.934	0.958	0.972	0.981	0.989	0.993	0.996	0.998	0.999
2937.5	0.407	0.609	0.725	0.808	0.875	0.914	0.935	0.959	0.973	0.982	0.989	0.993	0.996	0.998	0.999
2940.0	0.381	0.586	0.707	0.796	0.867	0.908	0.932	0.958	0.972	0.981	0.989	0.993	0.996	0.998	0.999
2942.5	0.322	0.532	0.651	0.747	0.841	0.892	0.925	0.954	0.969	0.979	0.987	0.992	0.996	0.998	0.999
2945.0	0.177	0.378	0.525	0.650	0.773	0.839	0.886	0.928	0.950	0.965	0.980	0.989	0.992	0.997	0.998
2947.5	0.163	0.363	0.514	0.640	0.767	0.834	0.882	0.926	0.948	0.964	0.979	0.987	0.992	0.998	0.998
2950.0	0.183	0.356	0.509	0.633	0.766	0.834	0.883	0.927	0.949	0.965	0.979	0.987	0.992	0.997	0.998
2952.5	0.165	0.371	0.525	0.650	0.775	0.841	0.888	0.931	0.952	0.966	0.979	0.988	0.992	0.998	0.998
2955.0	0.194	0.403	0.546	0.675	0.792	0.854	0.898	0.937	0.956	0.969	0.981	0.988	0.993	0.998	0.998
2957.5	0.209	0.425	0.576	0.695	0.808	0.866	0.907	0.942	0.960	0.973	0.984	0.990	0.994	0.997	0.998
2960.0	0.290	0.510	0.656	0.762	0.858	0.902	0.933	0.960	0.972	0.982	0.990	0.994	0.997	0.999	0.999
2962.5	0.233	0.463	0.589	0.703	0.816	0.875	0.922	0.952	0.968	0.978	0.988	0.992	0.996	0.998	0.999
2965.0	0.200	0.397	0.543	0.661	0.783	0.848	0.899	0.936	0.957	0.970	0.982	0.988	0.992	0.996	0.998
2967.5	0.185	0.395	0.549	0.673	0.796	0.855	0.903	0.940	0.959	0.972	0.983	0.988	0.992	0.996	0.998
2970.0	0.177	0.394	0.557	0.677	0.799	0.860	0.909	0.943	0.959	0.971	0.982	0.988	0.992	0.996	0.998
2972.5	0.152	0.329	0.471	0.595	0.728	0.803	0.859	0.910	0.936	0.955	0.972	0.980	0.987	0.993	0.996
2975.0	0.093	0.191	0.336	0.480	0.642	0.737	0.810	0.877	0.913	0.938	0.961	0.973	0.982	0.990	0.994
2977.5	0.161	0.329	0.466	0.589	0.729	0.804	0.859	0.909	0.934	0.952	0.970	0.979	0.986	0.992	0.995
2980.0	0.276	0.501	0.644	0.752	0.847	0.896	0.929	0.957	0.971	0.980	0.988	0.992	0.995	0.997	0.998
2982.5	0.326	0.577	0.709	0.797	0.881	0.924	0.948	0.968	0.978	0.985	0.991	0.994	0.996	0.998	0.999
2985.0	0.338	0.583	0.726	0.822	0.900	0.937	0.960	0.980	0.988	0.991	0.995	0.997	0.998	0.999	1.000
2987.5	0.238	0.452	0.598	0.711	0.818	0.873	0.913	0.948	0.965	0.977	0.986	0.991	0.994	0.997	0.998
2990.0	0.165	0.350	0.498	0.622	0.750	0.821	0.875	0.920	0.944	0.961	0.976	0.985	0.989	0.995	0.996
2992.5	0.209	0.352	0.531	0.647	0.768	0.833	0.881	0.924	0.946	0.963	0.978	0.986	0.990	0.995	0.997
2995.0	0.367	0.580	0.705	0.794	0.873	0.912	0.938	0.961	0.973	0.981	0.988	0.992	0.994	0.997	0.998
2997.5	0.551	0.778	0.883	0.919	0.975	0.988	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
3000.0	0.547	0.768	0.872	0.931	0.979	0.990	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3002.5	0.518	0.738	0.847	0.910	0.957	0.976	0.986	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
3005.0	0.432	0.666	0.790	0.864	0.930	0.958	0.976	0.988	0.994	0.997	0.998	0.999	1.000	1.000	1.000
3007.5	0.290	0.501	0.637	0.740	0.836	0.887	0.923	0.954	0.969	0.980	0.988	0.992	0.995	0.997	0.999
3010.0	0.186	0.357	0.506	0.653	0.760	0.829	0.880	0.926	0.944	0.965	0.979	0.986	0.991	0.995	0.997
3012.5	0.197	0.402	0.550	0.669	0.785	0.847	0.892	0.932	0.953	0.969	0.980	0.986	0.992	0.995	0.997
3015.0	0.186	0.381	0.527	0.644	0.771	0.838	0.884	0.926	0.948	0.966	0.979	0.987	0.992	0.996	0.997
3017.5	0.170	0.367	0.498	0.612	0.742	0.815	0.868	0.916	0.941	0.959	0.974	0.983	0.989	0.995	0.997
3020.0	0.330	0.510	0.595	0.668	0.768	0.826	0.803	0.875	0.912	0.936	0.958	0.972	0.982	0.992	0.996
3022.5	0.620	0.110	0.233	0.377	0.557	0.670	0.759	0.845	0.890	0.922	0.952	0.968	0.978	0.988	0.994
3025.0	0.012	0.082	0.193	0.333	0.514	0.638	0.734	0.828	0.878	0.915	0.947	0.965	0.977	0.988	0.994
3027.5	0.009	0.055	0.153	0.279	0.468	0.597	0.703	0.806	0.860	0.902	0.937	0.958	0.973	0.986	0.993
3030.0	0.004	0.047	0.135	0.263	0.450	0.579	0.686	0.793	0.852	0.895	0.935	0.956	0.971	0.985	0.991
3032.5	0.002	0.029	0.086	0.184	0.356	0.488	0.605	0.731	0.803	0.858	0.910	0.939	0.959	0.978	0.987
3035.0	0.001	0.019	0.070	0.164	0.331	0.465	0.585	0.716	0.791	0.849	0.904	0.934	0.956	0.976	0.986
3037.5	0.001	0.020	0.079	0.177	0.351	0.488	0.613	0.741	0.810	0.865	0.915	0.943	0.962	0.979	0.988
3040.0	0.161	0.378	0.528	0.644	0.762	0.826	0.875	0.919	0.943	0.960	0.975	0.983	0.988	0.993	0.995
3042.5	0.278	0.575	0.748	0.834	0.929	0.959	0.977	0.989	0.993	0.996	0.997	0.998	0.999	1.000	1.000
3045.0	0.221	0.486	0.628	0.745	0.845	0.894	0.928	0.957	0.971	0.981	0.989	0.993	0.996	0.998	0.999
3047.5	0.161	0.357	0.510	0.637	0.762	0.830	0.880	0.926	0.944	0.965	0.980	0.987	0.991	0.995	0.997
3050.0	0.121	0.283	0.483	0.623	0.756	0.828	0.879	0.924	0.945	0.965	0.980	0.988	0.992	0.995	0.997
3052.5	0.168	0.412	0.566	0.728	0.837	0.888	0.924	0.956	0.971	0.981	0.989	0.993	0.996	0.998	0.999
3055.0	0.155	0.362	0.552	0.688	0.810	0.871	0.912	0.947	0.964	0.975	0.985	0.990	0.993	0.997	0.998
3057.5	0.079	0.232	0.381	0.526	0.686	0.773	0.839	0.898	0.929	0.953	0.973	0.983	0.989	0.995	0.997
3060.0	0.036	0.170	0.327	0.498	0.658	0.755	0.825	0.887	0.922	0.955	0.976	0.987	0.991	0.995	0.997
3062.5	0.030	0.134	0.259	0.398	0.569	0.676	0.760	0.843	0.887	0.919	0.949	0.965	0.976	0.991	0.995
3065.0	0.028	0.114	0.213	0.328	0.489	0.604	0.702	0.801	0.858	0.899	0.935	0.956	0.972	0.988	0.994
3067.5	0.023	0.098	0.191	0.305	0.471	0.587	0.686	0.789	0.846	0.889	0.930	0.951	0.968	0.987	0.993
3070.0	0.042	0.126	0.176	0.312	0.456	0.563	0.610	0.673	0.730	0.836	0.860	0.875	0.981	0.989	0.993
3072.5	0.129	0.349	0.547	0.719	0.869	0.920	0.950	0.973	0.983	0.990	0.995	0.997	0.998	0.999	1.000
3075.0	0.176	0.345	0.597	0.761	0.873	0.926	0.955	0.976	0.985	0.992	0.996	0.998	0.999	0.999	1.000
3077.5	0.079	0.237	0.373	0.499	0.659	0.727	0.796	0.866	0.903	0.931	0.957	0.970	0.980	0.992	0.995
3080.0	0.012	0.069	0.151	0.261	0.425	0.547	0.655	0.760	0.823	0.876	0.922	0.948	0.965	0.983	0.989
3082.5	0.008	0.055	0.132	0.243	0.413	0.539	0.650	0.765	0.830	0.878	0.923	0.949	0.966	0.981	0.989
3085.0	0.051	0.188	0.322	0.456	0.617	0.708	0.785	0.861	0.901	0.930	0.956	0.970	0.980	0.989	0.994
3087.5	0.080	0.259	0.446	0.602	0.781	0.880	0.929	0.965	0.977	0.982	0.989	0.993	0.995	0.998	0.999
3090.0	0.075	0.277	0.462	0.623	0.775	0.849	0.900	0.941	0.961	0.975	0.986	0.991	0.995	0.998	0.999
3092.5	0.031	0.140	0.258	0.379	0.529	0.629	0.716	0.804	0.858	0.902	0.940	0.962	0.978	0.992	0.996
3095.0	0.003	0.027	0.077	0.159	0.311	0.440	0.563	0.702	0.784	0.848	0.907	0.938	0.960	0.979	0.988
3097.5	0.000	0.003	0.028	0.075	0.215	0.351	0.469	0.649	0.765	0.818	0.887	0.924	0.950	0.972	0.983
3100.0	0.000	0.002	0.020	0.073	0.212	0.349	0.487	0.668	0.763	0.816	0.885	0.920	0.947	0.970	0.982
3102.5	0.000	0.009	0.053	0.118	0.274	0.412	0.543	0.691	0.771	0.823	0.891	0.926	0.951	0.973	0.985
3105.0	0.000	0.011	0.052	0.137	0.302	0.440	0.567	0.705	0.784	0.845	0.902	0.933	0.955	0.975	0.985
3107.5	0.000	0.012	0.058	0.155	0.336	0.476	0.601	0.733	0.807	0.864	0.913	0.941	0.959	0.978	0.987
3110.0	0.001	0.025	0.068	0.198	0.379	0.515	0.633	0.754	0.823	0.874	0.922	0.947	0.965	0.981	0.989
3112.5	0.001	0.023	0.078	0.178	0.350	0.484	0.605	0.733	0.806	0.861	0.913	0.940	0.961	0.979	0.987
3115.0	0.001	0.022	0.074	0.166	0.328	0.459	0.584	0.717	0.794	0.854	0.909	0.937	0.959	0.978	0.987
3117.5	0.001	0.016	0.061	0.147	0.308	0.441	0.565	0.701	0.780	0.841	0.899	0.931	0.954	0.976	0.986
3120.0	0.001	0.010	0.070	0.168	0.338	0.473	0.596	0.728	0.802	0.859	0.912	0.940	0.961	0.979	0.988
3122.5	0.001	0.019	0.076	0.181	0.364	0.503	0.627	0.751	0.825	0.877	0.924	0.948	0.965	0.981	0.989
3125.0	0.000	0.006	0.037	0.114	0.279	0.421	0.555	0.701	0.781	0.850	0.905	0.935	0.955	0.975	0.985
3127.5	0.000	0.009	0.047	0.131	0.293	0.440	0.570	0.710	0.790	0.850	0.905	0.935	0.955	0.975	0.985
3130.0	0.001	0.019	0.058	0.167	0.332	0.510	0.630	0.752	0.821	0.872	0.919	0.945	0.963	0.978	0.987
3132.5	0.001	0.022	0.089	0.210	0.403	0.547	0.658	0.774	0.837	0.884	0.928	0.950	0.966	0.980	0.987
3135.0	0.007	0.058	0.153	0.268	0.479	0.605	0.708	0.809	0.864	0.904	0.941	0.960	0.973	0.986	0.990
3137.5	0.032	0.142	0.272	0.406	0.582	0.698	0.775	0.853	0.892	0.919	0.947	0.963	0.974	0.987	0.991
3140.0	0.078	0.263	0.435	0.591	0.761	0.823	0.878	0.926	0.950	0.967	0.981	0.989	0.993	0.997	0.998
3142.5	0.103	0.320	0.499	0.648	0.784	0.853	0.899	0.939	0.958	0.972	0.984	0.990	0.995	0.997	0.998
3145.0	0.118	0.328	0.496	0.638	0.769	0.837	0.885	0.928	0.950	0.966	0.980	0.989	0.993	0.997	0.998
3147.5	0.140	0.410	0.567	0.692	0.806	0.863	0.904	0.940	0.958	0.971	0.984	0.990	0.994	0.997	0.998
3150.0	0.209	0.541	0.687	0.792	0.878	0.917	0.943	0.965	0.976	0.984	0.991	0.994	0.997	0.998	0.999
3152.5	0.282	0.633	0.781	0.872	0.943	0.972	0.978	0.989	0.993	0.996	0.998	0.999	1.000	1.000	1.000
3155.0	0.381	0.636	0.723	0.864	0.933	0.961	0.978	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000
3157.5	0.316	0.594	0.703	0.808	0.913	0.950	0.957	0.979	0.989	0.994	0.997	0.999	1.000	1.000	1.000
3160.0	0.276	0.518	0.667	0.776	0.870	0.915	0.946	0.973	0.985	0.992	0.997	0.998	0.999	1.000	1.000
3162.5	0.217	0.451	0.607	0.728	0.835	0.891	0.929	0.962	0.977	0.988	0.993	0.996	0.998	0.999	0.999
3165.0	0.181	0.408	0.571	0.700	0.819	0.880	0.921	0.956	0.972	0.982	0.990	0.994	0.996	0.998	0.999
3167.5	0.209	0.455	0.619	0.742	0.848	0.900	0.935	0.963	0.976	0.985	0.991	0.994	0.997	0.999	0.999
3170.0	0.160	0.371	0.532	0.667	0.795	0.860	0.904	0.943	0.961	0.974	0.985	0.991	0.994	0.997	0.999
3172.5	0.125	0.297	0.468	0.589	0.734	0.813	0.869	0.920	0.943	0.963	0.979	0.987	0.992	0.996	0.998
3175.0	0.076	0.193	0.355	0.485	0.656	0.771	0.842	0.894	0.921	0.946	0.968	0.979	0.987	0.994	0.996
3177.5	0.006	0.069	0.133	0.260	0.447	0.577	0.685	0.784	0.853	0.897	0.935	0.956	0.972	0.989	0.994
3180.0	0.002	0.025	0.116	0.239	0.438	0.564	0.675	0.786	0.857	0.898	0.933	0.954	0.968	0.982	0.988
3182.5	0.002	0.031	0.102	0.219	0.405	0.538	0.652	0.768	0.833	0.881	0.925	0.948	0.965	0.980	0.988

FREQ.	UNIFORM (CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
3185.0	0.003	0.040	0.124	0.257	0.441	0.572	0.681	0.789	0.848	0.891	0.931	0.952	0.967	0.982	0.988
3187.5	0.052	0.172	0.285	0.409	0.563	0.668	0.751	0.835	0.881	0.916	0.945	0.962	0.974	0.985	0.991
3190.0	0.072	0.224	0.336	0.508	0.735	0.812	0.869	0.918	0.941	0.960	0.975	0.983	0.988	0.993	0.996
3192.5	0.109	0.317	0.502	0.705	0.880	0.931	0.962	0.983	0.991	0.995	0.998	0.999	1.000	1.000	1.000
3195.0	0.057	0.229	0.387	0.535	0.697	0.772	0.838	0.898	0.929	0.951	0.969	0.979	0.985	0.991	0.995
3197.5	0.037	0.135	0.238	0.359	0.520	0.631	0.725	0.819	0.870	0.907	0.941	0.959	0.971	0.983	0.989
3200.0	0.006	0.052	0.138	0.263	0.448	0.575	0.683	0.791	0.850	0.893	0.931	0.952	0.967	0.981	0.988
3202.5	0.024	0.145	0.293	0.449	0.622	0.723	0.800	0.873	0.910	0.937	0.961	0.972	0.981	0.989	0.993
3205.0	0.091	0.255	0.440	0.639	0.799	0.870	0.916	0.951	0.970	0.980	0.989	0.992	0.995	0.997	0.999
3207.5	0.046	0.215	0.367	0.537	0.694	0.779	0.844	0.904	0.935	0.956	0.975	0.983	0.989	0.993	0.996
3210.0	0.027	0.121	0.227	0.358	0.522	0.637	0.733	0.829	0.881	0.919	0.952	0.967	0.978	0.989	0.992
3212.5	0.000	0.059	0.050	0.144	0.331	0.480	0.611	0.746	0.820	0.875	0.923	0.947	0.964	0.979	0.986
3215.0	0.000	0.006	0.042	0.132	0.318	0.468	0.602	0.739	0.814	0.868	0.918	0.943	0.961	0.977	0.985
3217.5	0.000	0.003	0.026	0.091	0.252	0.397	0.535	0.684	0.769	0.836	0.894	0.925	0.948	0.969	0.980
3220.0	0.000	0.001	0.013	0.054	0.170	0.292	0.424	0.565	0.687	0.769	0.849	0.893	0.925	0.955	0.971
3222.5	0.000	0.002	0.014	0.055	0.167	0.286	0.419	0.562	0.685	0.765	0.844	0.892	0.925	0.956	0.972
3225.0	0.003	0.040	0.116	0.218	0.365	0.474	0.578	0.699	0.773	0.833	0.893	0.925	0.949	0.970	0.982
3227.5	0.000	0.004	0.045	0.284	0.478	0.606	0.710	0.811	0.866	0.904	0.943	0.961	0.974	0.986	0.992
3230.0	0.000	0.004	0.050	0.293	0.484	0.609	0.710	0.810	0.864	0.904	0.940	0.959	0.972	0.985	0.991
3232.5	0.000	0.005	0.058	0.283	0.472	0.596	0.697	0.796	0.846	0.890	0.931	0.952	0.967	0.982	0.989
3235.0	0.000	0.007	0.064	0.297	0.488	0.609	0.707	0.806	0.856	0.896	0.936	0.954	0.968	0.983	0.990
3237.5	0.000	0.006	0.061	0.297	0.487	0.608	0.707	0.806	0.856	0.896	0.936	0.954	0.968	0.983	0.990
3240.0	0.002	0.047	0.145	0.320	0.501	0.623	0.720	0.817	0.869	0.907	0.943	0.961	0.974	0.986	0.992
3242.5	0.021	0.126	0.286	0.453	0.639	0.743	0.820	0.888	0.922	0.947	0.968	0.979	0.986	0.992	0.995
3245.0	0.012	0.079	0.183	0.333	0.492	0.613	0.710	0.798	0.862	0.901	0.934	0.957	0.970	0.982	0.988
3247.5	0.002	0.033	0.112	0.218	0.370	0.560	0.671	0.782	0.847	0.887	0.929	0.950	0.966	0.980	0.987
3250.0	0.014	0.107	0.239	0.386	0.564	0.678	0.760	0.862	0.887	0.920	0.950	0.969	0.976	0.986	0.991
3252.5	0.015	0.115	0.265	0.433	0.625	0.733	0.813	0.883	0.919	0.944	0.964	0.977	0.984	0.991	0.994
3255.0	0.013	0.095	0.213	0.350	0.525	0.637	0.730	0.822	0.872	0.909	0.944	0.961	0.973	0.984	0.990
3257.5	0.000	0.013	0.060	0.154	0.328	0.444	0.548	0.721	0.787	0.855	0.910	0.938	0.958	0.978	0.989
3260.0	0.001	0.016	0.065	0.159	0.330	0.444	0.548	0.722	0.788	0.856	0.911	0.940	0.960	0.978	0.987
3262.5	0.019	0.144	0.258	0.382	0.541	0.644	0.735	0.825	0.875	0.912	0.946	0.964	0.977	0.988	0.993
3265.0	0.060	0.239	0.407	0.566	0.716	0.801	0.861	0.915	0.942	0.961	0.978	0.986	0.991	0.995	0.997
3267.5	0.081	0.314

WATER VAPOR AT 0.05 ATMOSPHERE PRESSURE

T=250° K

FREQ.	UPR.CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
997.5	0.965	0.980	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1000.0	0.964	0.980	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1002.5	0.964	0.980	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1005.0	0.964	0.980	0.995	0.997	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1007.5	0.963	0.981	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1010.0	0.963	0.981	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1012.5	0.962	0.981	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1015.0	0.962	0.981	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1017.5	0.962	0.981	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1020.0	0.962	0.981	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1022.5	0.962	0.981	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1025.0	0.962	0.981	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1027.5	0.963	0.982	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1030.0	0.963	0.982	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1032.5	0.964	0.982	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1035.0	0.964	0.983	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1037.5	0.965	0.983	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1040.0	0.965	0.984	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1042.5	0.966	0.984	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1045.0	0.966	0.984	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1047.5	0.968	0.985	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1050.0	0.969	0.986	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1052.5	0.970	0.986	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1055.0	0.971	0.987	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1057.5	0.972	0.987	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1060.0	0.973	0.988	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1062.5	0.974	0.988	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1065.0	0.975	0.989	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1067.5	0.976	0.989	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1070.0	0.977	0.990	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1072.5	0.978	0.990	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1075.0	0.979	0.990	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1077.5	0.980	0.991	0.998	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1080.0	0.981	0.991	0.998	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1082.5	0.982	0.991	0.998	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1085.0	0.983	0.992	0.998	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1087.5	0.983	0.992	0.998	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1090.0	0.984	0.992	0.998	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1092.5	0.984	0.992	0.998	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1095.0	0.985	0.993	0.998	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1097.5	0.985	0.993	0.998	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1100.0	0.986	0.993	0.998	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1102.5	0.986	0.993	0.998	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1105.0	0.986	0.993	0.998	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1107.5	0.986	0.993	0.998	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1110.0	0.986	0.994	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1112.5	0.987	0.994	0.998	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1115.0	0.987	0.994	0.998	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1117.5	0.987	0.994	0.998	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1120.0	0.987	0.994	0.998	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1122.5	0.988	0.994	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1125.0	0.988	0.994	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1127.5	0.988	0.994	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1130.0	0.988	0.994	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1132.5	0.988	0.994	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1135.0	0.988	0.994	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1137.5	0.988	0.994	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1140.0	0.989	0.995	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1142.5	0.989	0.995	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1145.0	0.989	0.995	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1147.5	0.989	0.995	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1150.0	0.989	0.995	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1152.5	0.989	0.995	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1155.0	0.989	0.995	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1157.5	0.989	0.995	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

B-36

FREQ.	UPR.CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1310.0	0.114	0.268	0.490	0.528	0.669	0.793	0.828	0.886	0.922	0.947	0.970	0.980	0.988	0.994	0.997
1312.5	0.078	0.130	0.241	0.370	0.537	0.664	0.737	0.838	0.881	0.919	0.957	0.968	0.980	0.990	0.995
1315.0	0.061	0.073	0.111	0.300	0.478	0.599	0.700	0.804	0.862	0.905	0.946	0.959	0.975	0.987	0.993
1317.5	0.054	0.058	0.093	0.327	0.505	0.627	0.719	0.817	0.872	0.912	0.950	0.964	0.978	0.987	0.992
1320.0	0.049	0.051	0.157	0.398	0.573	0.703	0.781	0.868	0.907	0.936	0.964	0.973	0.982	0.990	0.994
1322.5	0.078	0.236	0.384	0.527	0.679	0.784	0.831	0.893	0.926	0.950	0.971	0.981	0.988	0.994	0.996
1325.0	0.097	0.280	0.458	0.582	0.726	0.803	0.861	0.914	0.942	0.962	0.979	0.986	0.992	0.996	0.998
1327.5	0.110	0.293	0.460	0.602	0.742	0.811	0.869	0.920	0.947	0.966	0.982	0.990	0.995	0.998	0.999
1330.0	0.099	0.269	0.447	0.601	0.734	0.811	0.867	0.918	0.947	0.966	0.982	0.990	0.995	0.998	0.999
1332.5	0.075	0.237	0.391	0.536	0.692	0.776	0.836	0.901	0.934	0.957	0.977	0.986	0.992	0.996	0.998
1335.0	0.035	0.133	0.247	0.376	0.543	0.650	0.738	0.829	0.880	0.918	0.951	0.968	0.979	0.988	0.993
1337.5	0.005	0.039	0.182	0.280	0.453	0.568	0.664	0.788	0.852	0.901	0.944	0.963	0.977	0.988	0.994
1340.0	0.001	0.021	0.073	0.265	0.329	0.496	0.588	0.712	0.790	0.850	0.908	0.935	0.956	0.975	0.986
1342.5	0.002	0.101	0.265	0.375	0.518	0.619	0.708	0.808	0.853	0.897	0.936	0.956	0.970	0.982	0.989
1345.0	0.046	0.226	0.378	0.523	0.678	0.765	0.838	0.891	0.924	0.948	0.969	0.979	0.986	0.992	0.995
1347.5	0.081	0.288	0.457	0.611	0.757	0.831	0.882	0.927	0.951	0.967	0.981	0.987	0.992	0.995	0.997
1350.0	0.095	0.300	0.463	0.624	0.690	0.760	0.864	0.905	0.928	0.955	0.973	0.982	0.988	0.993	0.995
1352.5	0.089	0.272	0.417	0.583	0.658	0.733	0.823	0.887	0.917	0.945	0.968	0.978	0.987	0.992	0.995
1355.0	0.071	0.219	0.351	0.492	0.585	0.695	0.779	0.868	0.904	0.936	0.964	0.977	0.986	0.993	0.996
1357.5	0.047	0.157	0.278	0.376	0.459	0.564	0.703	0.833	0.885	0.926	0.959	0.975	0.985	0.992	0.995
1360.0	0.001	0.019	0.068	0.153	0.314	0.444	0.566	0.701	0.782	0.865	0.905	0.937	0.958	0.976	0.985
1362.5	0.000	0.004	0.033	0.101	0.269	0.383	0.513	0.668	0.758	0.828	0.887	0.922	0.947	0.968	0.979
1365.0	0.000	0.001	0.024	0.104	0.247	0.363	0.496	0.654	0.750	0.824	0.885	0.920	0.945	0.966	0.978
1367.5	0.002	0.014	0.119	0.253	0.451	0.585	0.692	0.799	0.856	0.899	0.937	0.956	0.970	0.982	0.988
1370.0	0.002	0.035	0.125	0.287	0.473	0.608	0.716	0.816	0.870	0.910	0.945	0.962	0.975	0.985	0.990
1372.5	0.000	0.014	0.064	0.166	0.349	0.490	0.632	0.760	0.827	0.884	0.917	0.943	0.961	0.976	0.986
1375.0	0.000	0.005	0.031	0.102	0.277	0.417	0.559	0.717	0.797	0.859	0.904	0.935	0.956	0.973	0.984
1377.5	0.000	0.000	0.035	0.109	0.268	0.406	0.531	0.694	0.784	0.851	0.896	0.931	0.953	0.970	0.982
1380.0	0.000	0.002	0.037	0.121	0.277	0.419	0.547	0.699	0.788	0.853	0.897	0.932	0.954	0.971	0.983
1382.5	0.002	0.047	0.156	0.315	0.528	0.657	0.755	0.845	0.892	0.927	0.957	0.972	0.982	0.991	0.994
1385.0	0.002	0.042	0.135	0.263	0.453	0.578	0.682	0.789	0.848	0.893	0.935	0.957	0.971	0.983	0.989
1387.5	0.000	0.009	0.055	0.154	0.337	0.473	0.618	0.756	0.826	0.884	0.926	0.951	0.968	0.980	0.987
1390.0	0.000	0.000	0.015	0.074	0.252	0.386	0.529	0.699	0.795	0.867	0.916	0.944	0.963	0.977	0.986
1392.5	0.000	0.000	0.009	0.059	0.229	0.372	0.519	0.695	0.795	0.870	0.919	0.947	0.965	0.978	0.987
1395.0	0.000	0.000	0.002	0.014	0.097	0.212	0.393	0.598	0.729	0.829	0.897	0.933	0.956	0.974	0.984
1397.5	0.000	0.000	0.002	0.018	0.103	0.221	0.360	0.538	0.651	0.742	0.831	0.879	0.914	0.946	0.962
1400.0	0.000	0.000	0.004	0.027	0.151	0.282	0.424	0.593	0.697	0.778	0.857	0.899	0.929	0.954	0.969
1402.5	0.000	0.000	0.009	0.042	0.177	0.317	0.466	0.633	0.733	0.806	0.877	0.913	0.939	0.961	0.974
1405.0	0.000	0.004	0.029	0.101	0.284	0.415	0.553	0.708	0.795	0.858	0.909	0.940	0.961	0.978	0.986
1407.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1410.0	0.000	0.000	0.005	0.039	0.132	0.331	0.489	0.625	0.761	0.835	0.888	0.936	0.960	0.979	0.988
1412.5	0.000	0.002	0.019	0.084	0.256	0.412	0.557	0.710	0.795	0.857	0.916	0.947	0.967	0.982	0.990
1415.0	0.000	0.001	0.012	0.063	0.233	0.392	0.542	0.706	0.794	0.852	0.910	0.942	0.964	0.980	0.989
1417.5	0.000	0.000	0.002	0.013	0.068	0.151	0.265	0.426	0.557	0.665	0.778	0.841	0.887	0.936	0.961
1420.0	0.000	0.000	0.000	0.001	0.039	0.141	0.256	0.429	0.554	0.664	0.778	0.842	0.888	0.930	0.951
1422.5	0.000	0.000	0.007	0.019	0.107	0.277	0.368	0.548	0.662	0.754	0.863	0.890	0.929	0.953	0.966
1425.0	0.000	0.000	0.004	0.035	0.160	0.307	0.434	0.600	0.704	0.784	0.879	0.907	0.941	0.962	0.973
1427.5	0.000	0.000	0.004	0.032	0.153	0.298	0.432	0.627	0.729	0.806	0.898	0.915	0.942	0.965	0.977
1430.0	0.000	0.000	0.000	0.012	0.093	0.243	0.384	0.592	0.709	0.811	0.903	0.924	0.951	0.972	0.982
1432.5	0.000	0.000	0.004	0.030	0.129	0.243	0.349	0.530	0.636	0.729	0.821	0.872	0.910	0.944	0.962
1435.0	0.000	0.000	0.004	0.029	0.091	0.170	0.269	0.421	0.537	0.642	0.757	0.822	0.872	0.919	0.943
1437.5	0.000	0.000	0.002	0.017	0.067	0.139	0.242	0.399	0.519	0.634	0.759	0.829	0.882	0.929	0.952
1440.0	0.000	0.000	0.002	0.017	0.067	0.139	0.242	0.396	0.515	0.631	0.757	0.829	0.882	0.929	0.952
1442.5	0.000	0.000	0.002	0.017	0.067	0.139	0.242	0.396	0.515	0.631	0.757	0.829	0.882	0.929	0.952
1445.0	0.000	0.002	0.029	0.127	0.351	0.521	0.660	0.789	0.855	0.901	0.941	0.960	0.975	0.984	0.988
1447.5	0.000	0.001	0.017	0.071	0.201	0.346	0.488	0.651	0.744	0.819	0.887	0.922	0.944	0.968	0.979
1450.0	0.000	0.000	0.001	0.011	0.093	0.225	0.363	0.578	0.693	0.782	0.864	0.906	0.936	0.962	0.975
1452.5	0.000	0.000	0.000	0.004	0.053	0.170	0.309	0.529	0.654	0.760	0.854	0.899	0.929	0.959	0.973
1455.0	0.000	0.000	0.000	0.004	0.037	0.093	0.168	0.390	0.510	0.647	0.755	0.806	0.874	0.931	0.960
1457.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1460.0	0.000	0.000	0.000	0.001	0.073	0.089	0.187	0.348	0.471	0.582	0.707	0.782	0.860	0.896	0.926
1462.5	0.000	0.000	0.000	0.002	0.038	0.135	0.283	0.491	0.626	0.730	0.828	0.878	0.915	0.947	0.962
1465.0	0.000	0.000	0.000	0.001	0.014	0.106	0.250	0.491	0.636	0.751	0.851	0.901	0.935	0.962	0.973
1467.5	0.000	0.000	0.000	0.001	0.014	0.049	0.132	0.341	0.489	0.611	0.724	0.780	0.855	0.916	0.946
1470.0	0.000	0.000	0.000	0.001	0.014	0.049	0.132	0.341	0.489	0.608	0.720	0.780	0.855	0.916	0.946
1472.5	0.000	0.000	0.000	0.000	0.000	0.010	0.091	0.139	0.309	0.447	0.574	0.711	0.788	0.847	0.902
1475.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1477.5	0.000	0.000	0.000	0.000	0.021	0.066	0.167	0.300	0.463	0.606	0.707	0.808	0.862	0.905	0.934
1480.0	0.000	0.000	0.000	0.000	0.001	0.021	0.091	0.229	0.423	0.593	0.733	0.812	0.870	0.917	0.944
1482.5	0.000	0.000	0.000	0.000	0.001	0.017	0.124	0.279	0.447	0.635	0.742	0.820	0.891	0.926	0.944
1485.0	0.000	0.000	0.000	0.000	0.001	0.011	0.081	0.196	0.337	0.521	0.640	0.736	0.829	0.879	0.915
1487.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1490.0	0.000	0.000	0.000	0.000	0.000	0.007	0.074	0.183	0.323	0.511	0.632	0.767	0.826	0.880	0.915
1492.5	0.000	0.000	0.000	0.000	0.000	0.004	0.045	0.170	0.324	0.501	0.647	0.764	0.826	0.875	0.908
1495.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1497.5	0.000	0.000	0.000	0.000	0.000	0.003	0.028	0.098	0.260	0.404	0.562	0.692	0.778	0.843	0.903
1500.0	0.000	0.000	0.000	0.000	0.000	0.002	0.009	0.065	0.208	0.358	0.522	0.665	0.758	0.832	0.895
1502.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1505.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1507.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1510.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1512.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1515.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1517.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1520.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1522.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1525.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1527.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1530.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1532.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1535.0	0.000	0.000	0.000	0.000	0.000	0.002	0.017	0.031	0.218	0.361	0.502	0.659	0.751	0.821	0.886
1537.5	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.055	0.128	0.258	0.369	0.530	0.640	0.721	0.792
1540.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1542.5	0.000	0.000	0.000

WATER VAPOR AT 0.05 ATMOSPHERE PRESSURE
T=250°K

FREQ.	U(ATM CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1935.0	0.015	0.129	0.308	0.509	0.720	0.823	0.887	0.937	0.959	0.976	0.985	0.991	0.994	0.997	0.998
1937.5	0.004	0.059	0.172	0.316	0.498	0.609	0.701	0.796	0.850	0.892	0.952	0.972	0.987	0.990	0.996
1940.0	0.002	0.033	0.107	0.182	0.331	0.421	0.531	0.664	0.767	0.854	0.880	0.915	0.950	0.963	0.974
1942.5	0.000	0.002	0.016	0.060	0.177	0.302	0.435	0.596	0.697	0.777	0.856	0.897	0.928	0.955	0.969
1945.0	0.000	0.000	0.002	0.028	0.092	0.198	0.321	0.469	0.576	0.672	0.788	0.870	0.906	0.945	0.966
1947.5	0.011	0.074	0.185	0.289	0.472	0.600	0.706	0.807	0.863	0.903	0.940	0.958	0.972	0.983	0.989
1950.0	0.015	0.110	0.240	0.389	0.573	0.685	0.772	0.864	0.897	0.928	0.956	0.970	0.980	0.988	0.992
1952.5	0.024	0.157	0.328	0.501	0.681	0.777	0.844	0.904	0.933	0.951	0.972	0.982	0.988	0.993	0.996
1955.0	0.034	0.210	0.421	0.615	0.787	0.865	0.905	0.940	0.955	0.969	0.980	0.987	0.989	0.994	0.996
1957.5	0.040	0.196	0.372	0.540	0.709	0.798	0.859	0.914	0.940	0.959	0.975	0.983	0.989	0.994	0.996
1960.0	0.043	0.212	0.398	0.574	0.742	0.826	0.882	0.930	0.952	0.967	0.981	0.987	0.991	0.995	0.997
1962.5	0.039	0.220	0.423	0.600	0.773	0.849	0.903	0.945	0.963	0.975	0.985	0.990	0.993	0.996	0.998
1965.0	0.031	0.069	0.152	0.262	0.426	0.546	0.653	0.764	0.827	0.875	0.920	0.943	0.960	0.975	0.983
1967.5	0.013	0.118	0.211	0.334	0.496	0.598	0.674	0.778	0.837	0.882	0.925	0.947	0.963	0.977	0.984
1970.0	0.063	0.237	0.393	0.528	0.684	0.750	0.815	0.877	0.911	0.936	0.960	0.972	0.981	0.988	0.992
1972.5	0.124	0.367	0.573	0.730	0.859	0.912	0.946	0.970	0.981	0.987	0.993	0.996	0.997	0.999	0.999
1975.0	0.163	0.399	0.594	0.736	0.856	0.907	0.940	0.965	0.977	0.985	0.992	0.994	0.996	0.998	0.999
1977.5	0.216	0.443	0.621	0.757	0.880	0.925	0.950	0.970	0.980	0.988	0.993	0.995	0.997	0.998	0.999
1980.0	0.220	0.511	0.694	0.815	0.906	0.943	0.964	0.980	0.987	0.992	0.995	0.997	0.998	0.999	0.999
1982.5	0.180	0.493	0.687	0.787	0.901	0.945	0.967	0.984	0.991	0.995	0.998	0.999	0.999	1.000	1.000
1985.0	0.077	0.262	0.440	0.603	0.761	0.840	0.893	0.937	0.958	0.972	0.983	0.989	0.992	0.997	0.998
1987.5	0.021	0.108	0.224	0.338	0.528	0.640	0.730	0.821	0.870	0.907	0.941	0.959	0.971	0.982	0.987
1990.0	0.001	0.019	0.066	0.134	0.267	0.382	0.500	0.670	0.770	0.850	0.909	0.940	0.962	0.977	0.987
1992.5	0.000	0.010	0.043	0.116	0.267	0.401	0.530	0.693	0.758	0.824	0.886	0.919	0.943	0.965	0.976
1995.0	0.000	0.000	0.004	0.034	0.134	0.253	0.374	0.549	0.654	0.744	0.836	0.886	0.923	0.956	0.974
1997.5	0.023	0.126	0.266	0.425	0.612	0.720	0.801	0.874	0.912	0.938	0.962	0.973	0.981	0.989	0.993
2000.0	0.120	0.321	0.493	0.662	0.785	0.853	0.900	0.940	0.959	0.972	0.983	0.988	0.992	0.995	0.997
2002.5	0.228	0.495	0.666	0.786	0.879	0.920	0.947	0.969	0.979	0.985	0.991	0.994	0.996	0.998	0.999
2005.0	0.230	0.502	0.667	0.780	0.872	0.913	0.941	0.964	0.975	0.984	0.990	0.993	0.995	0.998	0.999
2007.5	0.149	0.354	0.513	0.644	0.771	0.837	0.884	0.928	0.950	0.965	0.978	0.986	0.991	0.996	0.998
2010.0	0.059	0.263	0.434	0.586	0.734	0.812	0.868	0.918	0.943	0.961	0.976	0.985	0.990	0.995	0.997
2012.5	0.026	0.167	0.349	0.492	0.654	0.749	0.820	0.890	0.924	0.949	0.970	0.981	0.988	0.994	0.997
2015.0	0.004	0.149	0.378	0.385	0.549	0.655	0.743	0.850	0.894	0.933	0.964	0.979	0.987	0.993	0.996
2017.5	0.010	0.068	0.305	0.295	0.502	0.636	0.743	0.873	0.923	0.957	0.979	0.988	0.992	0.995	0.997
2020.0	0.010	0.174	0.385	0.440	0.599	0.696	0.775	0.852	0.893	0.924	0.951	0.966	0.976	0.986	0.991
2022.5	0.072	0.244	0.408	0.561	0.716	0.796	0.855	0.907	0.931	0.951	0.972	0.981	0.987	0.993	0.996
2025.0	0.111	0.313	0.481	0.625	0.760	0.830	0.881	0.929	0.948	0.964	0.977	0.985	0.990	0.995	0.997
2027.5	0.252	0.455	0.621	0.704	0.809	0.864	0.904	0.943	0.960	0.973	0.983	0.988	0.992	0.996	0.997
2030.0	0.367	0.578	0.711	0.804	0.880	0.918	0.943	0.968	0.976	0.984	0.991	0.994	0.996	0.998	0.999
2032.5	0.380	0.582	0.707	0.798	0.879	0.939	0.958	0.978	0.985	0.989	0.994	0.996	0.997	0.999	0.999
2035.0	0.276	0.519	0.669	0.775	0.865	0.909	0.939	0.965	0.978	0.986	0.993	0.996	0.998	0.999	1.000
2037.5	0.184	0.353	0.495	0.617	0.761	0.851	0.905	0.955	0.969	0.980	0.990	0.994	0.996	0.998	0.999
2040.0	0.084	0.213	0.325	0.442	0.613	0.728	0.824	0.914	0.945	0.969	0.984	0.991	0.994	0.997	0.998
2042.5	0.068	0.160	0.264	0.417	0.579	0.682	0.784	0.885	0.929	0.961	0.979	0.988	0.993	0.997	0.998
2045.0	0.153	0.326	0.460	0.581	0.708	0.785	0.844	0.896	0.926	0.947	0.967	0.977	0.983	0.991	0.994
2047.5	0.361	0.569	0.703	0.798	0.875	0.913	0.940	0.963	0.975	0.982	0.989	0.993	0.995	0.998	0.999
2050.0	0.505	0.717	0.825	0.909	0.951	0.969	0.979	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000
2052.5	0.579	0.776	0.851	0.939	0.970	0.982	0.989	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2055.0	0.470	0.729	0.864	0.916	0.959	0.978	0.988	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2057.5	0.350	0.588	0.725	0.817	0.893	0.927	0.951	0.971	0.981	0.987	0.993	0.995	0.997	0.998	0.999
2060.0	0.169	0.347	0.479	0.595	0.718	0.781	0.847	0.902	0.930	0.951	0.969	0.979	0.985	0.992	0.995
2062.5	0.064	0.208	0.365	0.493	0.655	0.744	0.817	0.886	0.919	0.944	0.967	0.978	0.985	0.992	0.995
2065.0	0.053	0.158	0.291	0.369	0.559	0.665	0.761	0.856	0.902	0.941	0.967	0.979	0.985	0.992	0.995
2067.5	0.185	0.367	0.498	0.612	0.730	0.800	0.855	0.904	0.933	0.955	0.974	0.984	0.989	0.994	0.996
2070.0	0.264	0.503	0.648	0.762	0.847	0.894	0.927	0.958	0.972	0.981	0.989	0.993	0.995	0.997	0.998
2072.5	0.307	0.543	0.681	0.780	0.861	0.905	0.935	0.968	0.978	0.985	0.992	0.995	0.997	0.999	0.999
2075.0	0.394	0.574	0.694	0.789	0.861	0.902	0.931	0.957	0.970	0.979	0.988	0.992	0.995	0.998	0.999
2077.5	0.470	0.629	0.761	0.819	0.883	0.919	0.943	0.962	0.972	0.982	0.990	0.994	0.996	0.998	0.999
2080.0	0.442	0.585	0.726	0.852	0.915	0.941	0.960	0.975	0.981	0.989	0.994	0.997	0.998	0.999	1.000
2082.5	0.262	0.473	0.633	0.764	0.875	0.933	0.964	0.984	0.991	0.995	0.998	0.999	1.000	1.000	1.000
2085.0	0.387	0.610	0.729	0.813	0.886	0.920	0.945	0.967	0.978	0.986	0.992	0.995	0.997	0.999	0.999
2087.5	0.252	0.443	0.574	0.681	0.787	0.847	0.891	0.932	0.953	0.967	0.981	0.987	0.992	0.996	0.997
2090.0	0.210	0.356	0.485	0.582	0.716	0.793	0.852	0.910	0.939	0.960	0.978	0.986	0.991	0.995	0.997
2092.5	0.185	0.361	0.496	0.614	0.735	0.810	0.864	0.914	0.940	0.958	0.974	0.983	0.989	0.994	0.996
2095.0	0.311	0.515	0.642	0.738	0.830	0.880	0.916	0.948	0.964	0.976	0.985	0.990	0.994	0.997	0.998
2097.5	0.467	0.671	0.770	0.848	0.907	0.936	0.956	0.978	0.985	0.988	0.993	0.996	0.998	0.999	0.999
2100.0	0.494	0.693	0.792	0.857	0.911	0.938	0.956	0.972	0.981	0.986	0.991	0.994	0.996	0.998	0.999
2102.5	0.449	0.662	0.760	0.816	0.883	0.918	0.942	0.964	0.975	0.983	0.991	0.995	0.996	0.998	0.999
2105.0	0.356	0.556	0.675	0.744	0.837	0.892	0.932	0.962	0.973	0.982	0.990	0.993	0.996	0.998	0.999
2107.5	0.413	0.604	0.713	0.782	0.867	0.906	0.935	0.960	0.973	0.982	0.990	0.994	0.996	0.998	0.999
2110.0	0.399	0.589	0.703	0.783	0.861	0.902	0.932	0.959	0.972	0.981	0.989	0.993	0.996	0.998	0.999
2112.5	0.437	0.632	0.736	0.807	0.878	0.917	0.943	0.967	0.978	0.985	0.992	0.995	0.997	0.999	0.999
2115.0	0.416	0.593	0.700	0.781	0.858	0.900	0.931	0.957	0.971	0.980	0.989	0.992	0.996	0.998	0.999
2117.5	0.502	0.675	0.768	0.836	0.895	0.927	0.950	0.970	0.980	0.987	0.992	0.995	0.997	0.999	0.999
2120.0	0.566	0.732	0.820	0.872	0.920	0.944	0.962	0.978	0.985	0.990	0.994	0.996	0.998	0.999	0.999
2122.5	0.458	0.644	0.747	0.818	0.883	0.917	0.942	0.965	0.977	0.986	0.993	0.996	0.998	0.999	0.999
2125.0	0.547	0.690	0.783	0.845	0.891	0.915	0.941	0.964	0.976	0.984	0.992	0.995	0.997	0.999	0.999
2127.5	0.643	0.760	0.843	0.889	0.918	0.942	0.960	0.978	0.985	0.989	0.994	0.996	0.998	0.999	0.999
2130.0	0.673	0.826	0.892	0.929	0.958	0.972	0.981	0.989	0.993	0.995	0.997	0.998	0.999	1.000	1.000
2132.5	0.595	0.788	0.874	0.919	0.954	0.970	0.981	0.989	0.993	0.995	0.997	0.998	0.999	1.000	1.000
2135.0	0.378	0.703	0.864	0.880	0.780	0.839	0.884	0.928	0.948	0.964	0.978	0.985	0.990	0.995	0.997
2137.5	0.223	0.373	0.502	0.616	0.738	0.808	0.862	0.913	0.938	0.958	0.975	0.983	0.989	0.994	0.996
2140.0	0.176	0.510	0.622	0.712	0.806	0.859	0.899	0.937	0.957	0.971	0.983	0.989	0.993	0.996	0.998
2142.5	0.302	0.577	0.710	0.802	0.873	0.910	0.939	0.964	0.976	0.984	0.991	0.994	0.996	0.998	0.999
2145.0	0.435	0.625	0.730	0.805	0.875	0.917	0.939	0.964	0.976	0.985	0.991	0.994	0.996	0.998	0.999
2147.5	0.489	0.662	0.757	0.824	0.888	0.922	0.946	0.968	0.979	0.986	0.992	0.995	0.997	0.999	0.999
2150.0	0.528	0.674	0.765	0.824	0.903	0.933	0.955	0.973	0.982	0.988	0.993	0.996	0.998	0.999	0.999
2152.5	0.458	0.666	0.758	0.824	0.887	0.920	0.945	0.967	0.979	0.988	0.993	0.996	0.998	0.999	0.999
2155.0	0.493	0.693	0.785	0.854	0.915	0.945	0.964	0.979	0.986	0.991	0.995	0.997	0.998	0.999	1.000
2157.5	0.452	0.631	0.732	0.804	0.873	0.910	0.936	0.961	0.974	0.983	0.991	0.995	0.997	0.999	0.999
2160.0	0.484	0.661	0.757	0.824	0.887	0.920	0.944	0.965	0.976	0.984	0.991	0.995	0.997	0.999	0.999
2162.5	0.518	0.687	0.777	0.839	0.897	0.927	0.949	0.969	0.979	0.986	0.992	0.995	0.997	0.999	0.999
2165.0	0.612	0.758	0.839	0.892	0.923	0.946	0.962	0.978	0.985	0.990	0.994	0.996	0.998	0.999	0.999
2167.5	0.690	0.822	0.880	0.915	0.948	0.964	0.976	0.986	0.991	0.995	0.997	0.998	0.999	1.000	1.000
2170.0	0.744	0.870	0.910	0.936	0.963	0.976	0.984	0.991	0.994	0.997	0.998	0.999	0.999	1.000	1.000
2172.5	0.721	0.841	0.892	0.924	0.957	0.967	0.977	0.986	0.990	0.993	0.996	0.998	0.999	0.999	1.000
2175.0	0.811	0.905	0.939	0.956	0.974	0.982	0.988	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000
2177.5	0.845	0.927	0.954	0.969	0.982	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
2180.0	0.779	0.882	0.922	0.943	0.966	0.977	0.986	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
2182.5	0.642	0.780	0.845	0.889	0.930	0.951	0.966	0.980	0.986	0.991	0.995	0.997	0.999	0.999	1.000
2185.0	0.569	0.722	0.800	0.856	0.908	0.935	0.955	0.974	0.983	0.989	0.994	0.997	0.998	0.999	1.000
2187.5	0.630	0.765	0.832	0.878	0.922	0.946	0.964	0.980	0.987	0.992	0.995	0.997	0.999	0.999	1.000
2190.0	0.719	0.867	0.894	0.924	0.952	0.967	0.977	0.987	0.991	0.994	0.997	0.998	0.999	1.000	1.000
2192.5	0.845	0.927	0.954	0.969	0.981	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2195.0	0.854	0.932	0.958	0.972	0.983	0.989	0.992	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2197.5	0.819	0.908	0.940	0.959	0.975	0.983	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
2200.0	0.866	0.941	0.961	0.973	0.984	0.989	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2202.5	0.784	0.886	0.930	0.953	0.973	0.983	0.989	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000
2205.0	0.582	0.733	0.810	0.861	0.915	0.945	0.968	0.985	0.991	0.995	0.998	0.999	1.000	1.000	1.000
2207.5	0.528	0.669	0.758	0.828	0.894	0.928	0.955	0.978	0.987	0.993	0.996	0.998	0.999	1.000	1.000
2210.0	0.522	0.684	0.771	0.836	0.896	0.926	0.950	0.971	0.982	0.988	0.993	0.997	0.999	0.999	1.000
2212.5	0.653	0.766	0.832	0.878	0.923	0.946	0.964	0.980	0.988	0.993	0.997	0.998	0.999	1.000	1.000
2215.0	0.766	0.866	0.926	0.953	0.971	0.981	0.988	0.993	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2217.5	0.885	0.952	0.972	0.981	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2220.0	0.900	0.961	0.979	0.987	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2222.5	0.832	0.914	0.944	0.961	0.977	0.985	0.992	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000
2225.0	0.766	0.866	0.909	0.943	0.967	0.979	0.989	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2227.5	0.706	0.823	0.878	0.913	0.946	0.963	0.978	0.988	0.992	0.995	0.998	0.999	1.000	1.000	1.000
2230.0	0.712	0.828	0.880	0.915	0.945	0.963	0.977	0.988	0.992	0.995	0.998	0.999	1.000	1.000	1.000
2232.5	0.744	0.851	0.898	0.927	0.955	0.970	0.980	0.989	0.994	0.996	0.998	0.999	1.000	1.000	1.000
2235.0	0.770	0.868	0.909	0.936	0.961	0.974	0.983	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2237.5	0.836	0.915	0.943	0.960	0.976	0.984	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2240.0	0.847	0.915	0.939	0.957	0.973	0.982	0.989	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2242.5	0.908	0.955	0.972	0.981	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2245.0	0.890	0.952	0.971	0.981	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000

FREQ.	U(ATM CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
2247.5	0.853	0.927	0.952	0.969	0.981	0.988	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2250.0	0.870	0.940	0.956	0.974	0.985	0.989	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2252.5	0.923	0.959	0.973	0.984	0.990	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2255.0	0.850	0.923	0.950	0.966	0.980	0.987	0.992	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000
2257.5	0.865	0.934	0.957	0.970	0.982	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000
2260.0	0.888	0.948	0.967	0.977	0.987	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2262.5	0.908	0.961	0.976	0.983	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2265.0	0.933	0.977	0.987	0.992	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2267.5	0.955	0.983	0.991	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2270.0	0.877	0.936	0.959	0.973	0.985	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2272.5	0.860	0.929	0.954	0.969	0.980	0.989	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2275.0	0.880	0.943	0.964	0.976	0.986	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2277.5	0.898	0.955	0.971	0.981	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2280.0	0.893	0.944	0.965	0.977	0.987	0.992	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2282.5	0.845	0.916	0.945	0.963	0.977	0.987	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2285.0	0.699	0.837	0.893	0.933	0.961	0.979	0.989	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000
2287.5	0.483	0.691	0.804	0.883	0.940	0.969	0.985	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000
2290.0	0.405	0.634	0.764	0.858	0.929	0.965	0.983	0.993	0.996	0.999	1.000	1.000	1.000	1.000	1.000
2292.5	0.495	0.703	0.815	0.892	0.946	0.973	0.987	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000
2295.0	0.623	0.787	0.866	0.923	0.962	0.980	0.990	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2297.5	0.848	0.933	0.959	0.975	0.988	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2300.0	0.905	0.958	0.973	0.984	0.992	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2302.5	0.938	0.970	0.982	0.989	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2305.0	0.909	0.958	0.974	0.983	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2307.5	0.847	0.916	0.944	0.963	0.978	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2310.0	0.938	0.970	0.982	0.989	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2312.5	0.939	0.970	0.982	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2315.0	0.925	0.969	0.982	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2317.5	0.925	0.969	0.982	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2320.0	0.910	0.972	0.983	0.989	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2322.5	0.938	0.975	0.986	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2325.0	0.939	0.975	0.986	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2327.5	0.937	0.975	0.986	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2330.0	0.940	0.976	0.987

WATER VAPOR 0.05 ATMOSPHERE PRESSURE

T=250° K

U[PR.CM.]

FREQ	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
2672.5	0.710	0.821	0.876	0.915	0.950	0.968	0.979	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2675.0	0.628	0.762	0.833	0.884	0.931	0.955	0.971	0.985	0.992	0.995	0.998	0.999	0.999	1.000	1.000
2677.5	0.593	0.736	0.812	0.868	0.920	0.947	0.965	0.981	0.989	0.993	0.997	0.998	0.999	1.000	1.000
2680.0	0.638	0.769	0.833	0.885	0.930	0.952	0.968	0.982	0.990	0.994	0.997	0.999	0.999	1.000	1.000
2682.5	0.738	0.841	0.890	0.926	0.953	0.968	0.978	0.987	0.992	0.995	0.998	0.999	0.999	1.000	1.000
2685.0	0.768	0.865	0.910	0.939	0.964	0.976	0.985	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2687.5	0.730	0.837	0.888	0.924	0.956	0.972	0.982	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2690.0	0.661	0.787	0.852	0.898	0.940	0.961	0.976	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000
2692.5	0.625	0.760	0.830	0.882	0.930	0.954	0.971	0.985	0.991	0.995	0.998	0.999	0.999	1.000	1.000
2695.0	0.613	0.752	0.825	0.878	0.927	0.952	0.969	0.983	0.990	0.994	0.997	0.999	0.999	1.000	1.000
2397.5	0.654	0.784	0.850	0.897	0.938	0.959	0.973	0.985	0.990	0.994	0.997	0.999	0.999	1.000	1.000
2900.0	0.677	0.803	0.866	0.908	0.945	0.963	0.975	0.985	0.991	0.994	0.997	0.998	0.999	1.000	1.000
2902.5	0.644	0.777	0.844	0.891	0.932	0.953	0.967	0.980	0.987	0.991	0.995	0.997	0.998	0.999	1.000
2905.0	0.569	0.719	0.800	0.857	0.910	0.937	0.954	0.971	0.982	0.988	0.993	0.996	0.998	0.999	1.000
2907.5	0.549	0.704	0.787	0.848	0.905	0.934	0.953	0.973	0.982	0.988	0.994	0.996	0.998	0.999	1.000
2910.0	0.590	0.739	0.816	0.871	0.921	0.946	0.964	0.980	0.987	0.992	0.995	0.998	0.999	1.000	1.000
2912.5	0.637	0.780	0.855	0.901	0.942	0.961	0.975	0.987	0.992	0.995	0.998	0.999	0.999	1.000	1.000
2915.0	0.653	0.788	0.853	0.899	0.940	0.960	0.974	0.985	0.990	0.994	0.997	0.998	0.999	1.000	1.000
2917.5	0.620	0.761	0.832	0.882	0.928	0.951	0.967	0.981	0.987	0.991	0.995	0.997	0.998	0.999	1.000
2920.0	0.594	0.740	0.816	0.872	0.924	0.948	0.966	0.979	0.986	0.991	0.995	0.997	0.998	0.999	1.000
2922.5	0.578	0.734	0.812	0.868	0.918	0.943	0.961	0.977	0.985	0.990	0.994	0.997	0.998	0.999	1.000
2925.0	0.550	0.717	0.798	0.859	0.914	0.942	0.962	0.978	0.986	0.991	0.995	0.997	0.998	0.999	1.000
2927.5	0.532	0.711	0.794	0.861	0.917	0.945	0.965	0.980	0.988	0.992	0.996	0.998	0.999	1.000	1.000
2930.0	0.542	0.724	0.806	0.871	0.926	0.952	0.969	0.982	0.989	0.993	0.996	0.998	0.999	1.000	1.000
2932.5	0.563	0.750	0.831	0.887	0.934	0.957	0.972	0.985	0.991	0.994	0.997	0.998	0.999	1.000	1.000
2935.0	0.555	0.716	0.799	0.858	0.912	0.940	0.960	0.977	0.985	0.991	0.995	0.997	0.998	0.999	1.000
2937.5	0.559	0.719	0.801	0.861	0.915	0.942	0.962	0.978	0.986	0.991	0.995	0.997	0.999	0.999	1.000
2940.0	0.556	0.720	0.804	0.865	0.919	0.946	0.965	0.980	0.988	0.992	0.996	0.998	0.999	1.000	1.000
2942.5	0.572	0.665	0.743	0.816	0.885	0.920	0.943	0.967	0.977	0.986	0.994	0.998	0.999	1.000	1.000
2945.0	0.529	0.672	0.644	0.741	0.833	0.882	0.913	0.944	0.960	0.975	0.990	0.997	0.998	1.000	1.000
2947.5	0.309	0.510	0.635	0.731	0.829	0.879	0.915	0.947	0.963	0.976	0.991	0.997	0.999	1.000	1.000
2950.0	0.302	0.505	0.633	0.733	0.829	0.879	0.915	0.947	0.963	0.976	0.991	0.997	0.999	1.000	1.000
2952.5	0.317	0.522	0.647	0.747	0.837	0.885	0.919	0.950	0.965	0.978	0.992	0.997	0.999	1.000	1.000
2955.0	0.342	0.550	0.670	0.762	0.849	0.894	0.924	0.954	0.968	0.979	0.992	0.997	0.999	1.000	1.000
2957.5	0.369	0.571	0.689	0.778	0.861	0.903	0.932	0.958	0.971	0.980	0.993	0.997	0.999	1.000	1.000
2960.0	0.459	0.651	0.754	0.829	0.896	0.929	0.952	0.973	0.980	0.987	0.995	0.998	0.999	1.000	1.000
2962.5	0.387	0.583	0.693	0.783	0.868	0.905	0.934	0.962	0.975	0.984	0.994	0.997	0.999	1.000	1.000
2965.0	0.345	0.538	0.657	0.751	0.843	0.888	0.922	0.953	0.968	0.978	0.991	0.996	0.999	1.000	1.000
2967.5	0.341	0.527	0.644	0.739	0.828	0.876	0.912	0.945	0.963	0.975	0.990	0.996	0.999	1.000	1.000
2970.0	0.335	0.543	0.667	0.761	0.850	0.896	0.928	0.955	0.970	0.979	0.992	0.997	0.999	1.000	1.000
2972.5	0.282	0.468	0.591	0.693	0.798	0.855	0.897	0.935	0.956	0.967	0.980	0.986	0.990	0.994	0.996
2975.0	0.249	0.433	0.562	0.672	0.783	0.842	0.886	0.931	0.953	0.966	0.979	0.985	0.989	0.993	0.995
2977.5	0.283	0.461	0.582	0.684	0.792	0.852	0.893	0.934	0.955	0.968	0.980	0.986	0.990	0.994	0.996
2980.0	0.444	0.640	0.743	0.822	0.890	0.924	0.948	0.969	0.977	0.985	0.993	0.996	0.998	0.999	0.999
2982.5	0.540	0.737	0.828	0.868	0.927	0.950	0.965	0.979	0.984	0.989	0.995	0.997	0.999	1.000	1.000
2985.0	0.525	0.719	0.813	0.877	0.929	0.953	0.970	0.984	0.990	0.994	0.997	0.999	0.999	1.000	1.000
2987.5	0.398	0.594	0.705	0.790	0.868	0.907	0.938	0.964	0.976	0.983	0.994	0.997	0.999	1.000	1.000
2990.0	0.301	0.496	0.619	0.719	0.817	0.869	0.905	0.942	0.962	0.977	0.991	0.997	0.999	1.000	1.000
2992.5	0.343	0.527	0.644	0.738	0.830	0.878	0.913	0.945	0.961	0.973	0.989	0.995	0.997	0.999	1.000
2995.0	0.527	0.699	0.789	0.852	0.908	0.936	0.955	0.972	0.981	0.986	0.993	0.996	0.998	0.999	1.000
2997.5	0.724	0.873	0.930	0.962	0.984	0.991	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3000.0	0.713	0.858	0.917	0.952	0.975	0.986	0.993	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3002.5	0.682	0.833	0.897	0.938	0.968	0.981	0.989	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000
3005.0	0.609	0.785	0.858	0.907	0.949	0.969	0.982	0.991	0.995	0.997	0.999	1.000	1.000	1.000	1.000
3007.5	0.449	0.633	0.735	0.821	0.891	0.927	0.953	0.975	0.985	0.991	0.996	0.998	0.999	1.000	1.000
3010.0	0.307	0.503	0.629	0.729	0.825	0.878	0.917	0.949	0.967	0.979	0.993	0.996	0.998	0.999	1.000
3012.5	0.350	0.547	0.666	0.758	0.854	0.904	0.936	0.964	0.976	0.985	0.994	0.997	0.999	1.000	1.000
3015.0	0.331	0.525	0.647	0.743	0.834	0.882	0.916	0.947	0.963	0.976	0.991	0.997	0.999	1.000	1.000
3017.5	0.300	0.495	0.619	0.720	0.821	0.869	0.905	0.940	0.956	0.970	0.987	0.995	0.997	0.999	1.000
3020.0	0.311	0.292	0.443	0.574	0.721	0.799	0.855	0.912	0.943	0.964	0.987	0.995	0.997	0.999	1.000
3022.5	0.079	0.230	0.372	0.510	0.664	0.754	0.823	0.887	0.920	0.944	0.969	0.976	0.984	0.991	0.995
3025.0	0.056	0.191	0.330	0.471	0.633	0.728	0.804	0.876	0.911	0.938	0.961	0.973	0.982	0.990	0.994
3027.5	0.035	0.152	0.288	0.433	0.603	0.705	0.786	0.863	0.902	0.931	0.958	0.971	0.981	0.989	0.993
3030.0	0.029	0.135	0.262	0.404	0.577	0.683	0.767	0.849	0.892	0.924	0.952	0.967	0.978	0.988	0.992
3032.5	0.015	0.089	0.184	0.312	0.486	0.603	0.696	0.796	0.854	0.896	0.934	0.954	0.969	0.982	0.988
3035.0	0.011	0.070	0.163	0.287	0.463	0.584	0.686	0.790	0.849	0.890	0.931	0.954	0.969	0.981	0.988
3037.5	0.169	0.297	0.396	0.497	0.626	0.712	0.783	0.855	0.894	0.924	0.951	0.967	0.978	0.987	0.992
3040.0	0.324	0.527	0.651	0.735	0.824	0.873	0.908	0.941	0.959	0.970	0.982	0.987	0.991	0.995	0.997
3042.5	0.505	0.748	0.851	0.905	0.956	0.974	0.984	0.992	0.995	0.997	0.998	1.000	1.000	1.000	1.000
3045.0	0.466	0.625	0.742	0.822	0.891	0.925	0.949	0.969	0.976	0.986	0.992	0.995	0.996	0.998	0.999
3047.5	0.306	0.508	0.635	0.732	0.827	0.877	0.913	0.944	0.962	0.974	0.985	0.990	0.993	0.996	0.998
3050.0	0.264	0.478	0.617	0.723	0.825	0.877	0.914	0.945	0.963	0.974	0.985	0.990	0.993	0.996	0.998
3052.5	0.244	0.578	0.709	0.601	0.581	0.914	0.945	0.967	0.976	0.985	0.992	0.995	0.996	0.998	0.999
3055.0	0.232	0.544	0.678	0.776	0.862	0.907	0.939	0.963	0.973	0.983	0.991	0.994	0.996	0.998	0.999
3057.5	0.186	0.377	0.521	0.644	0.768	0.835	0.893	0.926	0.944	0.964	0.977	0.984	0.989	0.993	0.996
3060.0	0.127	0.326	0.484	0.619	0.753	0.824	0.875	0.921	0.944	0.961	0.976	0.983	0.988	0.993	0.996
3062.5	0.101	0.259	0.387	0.524	0.678	0.760	0.825	0.886	0.918	0.942	0.963	0.975	0.984	0.991	0.995
3065.0	0.088	0.253	0.328	0.450	0.605	0.696	0.765	0.843	0.888	0.922	0.950	0.965	0.977	0.986	0.992
3067.5	0.076	0.190	0.303	0.429	0.585	0.681	0.760	0.845	0.888	0.920	0.949	0.964	0.975	0.985	0.990
3070.0	0.178	0.373	0.509	0.636	0.758	0.823	0.859	0.908	0.933	0.954	0.973	0.980	0.986	0.992	0.995
3072.5	0.322	0.594	0.745	0.843	0.917	0.947	0.966	0.981	0.988	0.992	0.998	0.999	1.000		
3075.0	0.298	0.557	0.708	0.810	0.892	0.928	0.952	0.971	0.981	0.987	0.995	0.998	0.999		
3077.5	0.194	0.372	0.498	0.606	0.726	0.794	0.850	0.903	0.931	0.954	0.976	0.986	0.992		
3080.0	0.050	0.151	0.259	0.382	0.543	0.650	0.736	0.827	0.876	0.911	0.944	0.963	0.975		
3082.5	0.037	0.130	0.239	0.364	0.531	0.642	0.734	0.825	0.875	0.911	0.944	0.963	0.975		
3085.0	0.144	0.316	0.447	0.566	0.697	0.776	0.838	0.894	0.927	0.948	0.968	0.978	0.985		
3087.5	0.232	0.447	0.567	0.671	0.780	0.847	0.895	0.933	0.952	0.965	0.980	0.987	0.991		
3090.0	0.235	0.452	0.569	0.730	0.838	0.891	0.927	0.957	0.971	0.981	0.989	0.993	0.996		
3092.5	0.204	0.382	0.512	0.682	0.827	0.885	0.927	0.955	0.972	0.982	0.989	0.993	0.996		
3095.0	0.057	0.074	0.158	0.268	0.434	0.554	0.642	0.774	0.838	0.886	0.930	0.952	0.969	0.983	0.989
3097.5	0.001	0.020	0.076	0.171	0.344	0.480	0.602	0.733	0.808	0.864	0.916	0.942	0.961	0.978	0.986
3100.0	0.001	0.019	0.072	0.168	0.343	0.477	0.603	0.735	0.809	0.865	0.916	0.942	0.961	0.978	0.986
3102.5	0.004	0.042	0.116	0.227	0.404	0.526	0.648	0.766	0.832	0.880	0.925	0.948	0.964	0.979	0.987
3105.0	0.004	0.051	0.136	0.264	0.455	0.581	0.694	0.810	0.870	0.911	0.943	0.958	0.970	0.982	0.989
3107.5	0.006	0.058	0.153	0.285	0.472	0.597	0.701	0.801	0.861	0.899	0.937	0.950	0.964	0.977	0.984
3110.0	0.014	0.088	0.196	0.332	0.512	0.630	0.726	0.820	0.871	0.908	0.942	0.960	0.973	0.985	0.990
3112.5	0.013	0.078	0.177	0.304	0.481	0.602	0.702	0.802	0.858	0.898	0.936	0.956	0.970	0.983	0.989
3115.0	0.013	0.076	0.174	0.304	0.484	0.607	0.680	0.786	0.844	0.888	0.928	0.950	0.967	0.981	0.988
3117.5	0.009	0.061	0.144	0.264	0.439	0.563	0.660	0.778	0.838	0.884	0.926	0.948	0.965	0.980	0.988
3120.0	0.010	0.069	0.161	0.290	0.468	0.595	0.693	0.805	0.861	0.901	0.938	0.956	0.969	0.982	0.989
3122.5	0.010	0.075	0.179	0.314	0.498	0.619	0.715	0.818	0.871	0.910	0.944	0.961	0.974	0.985	0.990
3125.0	0.003	0.036	0.113	0.251	0.455	0.587	0.660	0.775	0.840	0.887	0.929	0.951	0.966	0.980	0.987
3127.5	0.004	0.039	0.114	0.253	0.463	0.593	0.690	0.811	0.869	0.911	0.945	0.961	0.973	0.985	0.990
3130.0	0.010	0.078	0.186	0.323	0.504	0.626	0.723	0.826	0.879	0.907	0.941	0.957	0.971	0.983	0.989
3132.5	0.011	0.089	0.209	0.354	0.534	0.655	0.747	0.835	0.882	0.916	0.947	0.963	0.975	0.985	0.990
3135.0	0.039	0.153	0.267	0.432	0.603	0.705	0.785	0.861	0.901	0.930	0.957	0.970	0.980	0.988	0.992
3137.5	0.107	0.269	0.410	0.542	0.687	0.770	0.836	0.894	0.925	0.948	0.968	0.978	0.986	0.992	0.995
3140.0	0.209	0.432	0.586	0.707	0.818	0.873	0.912	0.947	0.964	0.975	0.988	0.991	0.994	0.997	0.998
3142.5	0.261	0.498	0.644	0.753	0.849	0.896	0.928	0.956	0.970	0.979	0.989	0.993	0.995	0.998	0.999
3145.0	0.272	0.494	0.633	0.739	0.833	0.883	0.918	0.948	0.964	0.975	0.989	0.992	0.994	0.997	0.998
3147.5	0.355	0.564	0.689	0.779	0.861	0.902	0.931	0.957	0.970	0.979	0.989	0.992	0.995	0.997	0.999
3150.0	0.385	0.601	0.705	0.805	0.913	0.940	0.959	0.975	0.982	0.988	0.993	0.995	0.997	0.998	0.999
3152.5	0.383	0.772	0.861	0.915	0.960	0.972	0.983	0.990	0.993	0.995	0.997	0.998	0.999	1.000	1.000
3155.0	0.577	0.763	0.852	0.908	0.950	0.970	0.981	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000
3157.5	0.500	0.695	0.796	0.868	0.935	0.957	0.969	0.981	0.987	0.991	0.997	0.999	1.000	1.000	1.000
3160.0	0.440	0.661	0.778	0.844	0.906	0.936	0.958	0.977	0.986	0.992	0.997	0.998	0.999	1.000	1.000
3162.5	0.392	0.602	0.721	0.806	0.880	0.918	0.943	0.969	0.981	0.988	0.995	0.996	0.998	0.999	1.000
3165.0	0.349	0.565	0.692	0.786	0.868	0.910	0.940	0.968	0.980	0.988	0.994	0.996	0.998	0.999	1.000
3167.5	0.393	0.612	0.733	0.818	0.890	0.926	0.951	0.972	0.982	0.988	0.995	0.997	0.999	0.999	1.000
3170.0	0.315	0.527	0.650	0.761	0.852	0.898	0.930	0.958	0.971	0.981	0.988	0.992	0.995	0.998	0.999
3172.5	0.299	0.444	0.584	0.697	0.807	0.861	0.905	0.947	0.966	0.977	0.989	0.993	0.997	0.998	
3175.0	0.265	0.416	0.562	0.686	0.804	0.863	0.909	0.948	0.967	0.978	0.990	0.994	0.997	0.998	
3177.5	0.232	0.332	0.527	0.678	0.801	0.863	0.911	0.950	0.968	0.979	0.991	0.994	0.997	0.998	
3180.0	0.221	0.387	0.562	0.682	0.798	0.858	0.907	0.947	0.967	0.978	0.991	0.994	0.997	0.998	
3182.5	0.019	0.102	0.218	0.396	0.559	0.690	0.761	0.858	0.898	0.913	0.945	0.962	0.976	0.986	0.990

U[PR.CM.]

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
3185.0	0.024	0.124	0.231	0.394	0.570	0.678	0.764	0.864	0.898	0.922	0.958	0.965	0.976	0.986	0.991
3187.5	0.137	0.254	0.407	0.525	0.666	0.749	0.816	0.879	0.914	0.937	0.964	0.972	0.981	0.988	0.992
3190.0	0.208	0.433	0.586	0.700	0.808	0.865	0.905	0.941	0.959	0.971	0.982	0.988	0.991	0.995	0.997
3192.5	0.150	0.373	0.532	0.692	0.825	0.887	0.929	0.958	0.973	0.984	0.993	0.996	0.998	0.999	1.000
3195.0	0.176	0.385	0.532	0.650	0.767	0.833	0.881	0.925	0.948	0.966	0.978	0.985	0.987	0.994	0.996
3197.5	0.106	0.238	0.358	0.480	0.627	0.720	0.794	0.866	0.905	0.933	0.958	0.970	0.979	0.987	0.991
3200.0	0.034	0.137	0.262	0.408	0.571	0.678	0.764	0.864	0.898	0.922	0.958	0.965	0.976	0.985	0.990
3202.5	0.104	0.292	0.447	0.581	0.719	0.797	0.854	0.907	0.935	0.954	0.971	0.980	0.986	0.992	0.995
3205.0	0.191	0.458	0.627	0.764	0.867	0.916	0.943	0.967	0.978	0.986	0.992	0.996	0.998	0.999	
3207.5	0.163	0.381	0.535	0.658	0.777	0.840	0.886	0.929	0.951	0.967	0.981	0.987	0.992	0.995	0.997
3210.0	0.092	0.224	0.350	0.479	0.633	0.727	0.801	0.873	0.911	0.939	0.964	0.974	0.984	0.990	0.994
3212.5	0.004	0.060	0.145	0.282	0.475	0.604	0.704	0.812	0.867	0.908	0.943	0.961	0.973	0.984	0.989
3215.0	0.003	0.041	0.131	0.266	0.462	0.594	0.702	0.808	0.864	0.904	0.940	0.959	0.971	0.983	0.988
3217.5	0.001	0.024	0.090	0.205	0.392	0.530	0.657	0.766	0.832	0.878	0.923	0.944	0.962	0.977	0.984
3220.0	0.000	0.013	0.053	0.135	0.289	0.420	0.544	0.663	0.745	0.829	0.889	0.921	0.945	0.966	0.977
3222.5	0.001	0.015	0.054	0.132	0.284	0.414	0.536	0.658	0.745	0.832	0.888	0.920	0.945	0.966	0.978
3225.0	0.004	0.115	0.216	0.326	0.470	0.574	0.668	0.778	0.830	0.876	0.920	0.944	0.961	0.977	0.985
3227.5	0.028	0.114	0.281	0.429	0.602	0.706	0.786	0.862	0.902	0.931	0.958	0.971	0.981	0.989	0.993
3230.0	0.029	0.114	0.269	0.436	0.604	0.707	0.784	0.861	0.901	0.930	0.956	0.970	0.979	0.988	0.992
3232.5	0.053	0.158	0.263	0.421	0.591	0.678	0.762	0.841	0.883	0.920	0.950	0.965	0.976	0.986	0.991
3235.0	0.124	0.305	0.448	0.573	0.703	0.781	0.839	0.895	0.925	0.947	0.966	0.977	0.984	0.990	0.994
3237.5	0.165	0.403	0.577	0.708	0.824	0.880	0.918	0.950	0.966	0.977	0.986	0.991	0.993	0.996	0.998
3240.0	0.186	0.443	0.617	0.744	0.853	0.902	0.935	0.962	0.975	0.983	0.991	0.994	0.997	0.999	0.999
3242.5	0.095	0.285	0.451	0.596	0.739	0.816	0.871	0.919	0.944	0.961	0.976	0.984	0.989	0.994	0.996
3245.0	0.055	0.180	0.341	0.468	0.608	0.707	0.784	0.859	0.898	0.928	0.955	0.968	0.978	0.987	0.992
3247.5	0.019	0.112	0.237	0.380	0.538	0.649	0.736	0.841	0.886	0.919	0.949	0.964	0.975	0.985	0.990
3250.0	0.034	0.238	0.385	0.527	0.670	0.757	0.823	0.895	0.918	0.942	0.964	0.973	0.983	0.990	0.993
3252.5	0.079	0.244	0.432	0.567	0.730	0.810	0.864	0.911	0.933	0.953	0.973	0.981	0.988	0.993	0.995
3255.0	0.064	0.212	0.369	0.484	0.626	0.728	0.799	0.868	0.904	0.934	0.959	0.971	0.980	0.988	0.992
3257.5	0.007	0.060	0.194	0.281	0.462	0.585	0.689	0.795	0.851	0.894	0.933	0.954	0.969	0.982	0.988
3260.0	0.009	0.065	0.158	0.285	0.464	0.587	0.690	0.796	0.851	0.894	0.934	0.955	0.969	0.982	0.988
3262.5	0.113	0.255	0.379	0.500	0.642	0.731	0.801	0.871	0.908	0.935	0.960	0.973	0.982	0.990	0.994
3265.0	0.185	0.401	0.560	0.682	0.797	0.857	0.900	0.938	0.957	0.971	0.983	0.989	0.993	0.996	0.998
3267.5	0.245	0.511	0.677	0.790	0.879	0.921	0.948	0.971	0.982	0.989	0.994	0.997	0.998	0.999	1.000
3270.0	0.155	0.380	0.550	0.685	0.807	0.868

WATER VAPOR AT 0.02 ATMOSPHERE PRESSURE

T=250° K

U[PR.CM.]

FREQ	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
497.5	0.989	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1000.3	0.990	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1002.1	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1005.0	0.990	0.995	0.998	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1007.4	0.990	0.995	0.998	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1010.0	0.991	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1012.5	0.990	0.995	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1015.0	0.987	0.993	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1017.6	0.984	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1020.0	0.982	0.990	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1022.5	0.989	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1025.0	0.989	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1027.5	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1030.0	0.990	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1032.5	0.986	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1035.0	0.979	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1037.5	0.985	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1040.0	0.985	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1042.5	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1045.0	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1047.5	0.978	0.989	0.992	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1050.0	0.972	0.985	0.990	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1052.5	0.973	0.986	0.991	0.994	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1055.0	0.973	0.987	0.991	0.994	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1057.5	0.974	0.987	0.991	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1060.0	0.970	0.985	0.990	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1062.5	0.967	0.982	0.988	0.992	0.995	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1065.0	0.958	0.977	0.985	0.990	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1067.5	0.962	0.980	0.988	0.992	0.995	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1070.0	0.962	0.981	0.989	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1072.5	0.968	0.983	0.989	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1075.0	0.966	0.983	0.989	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1077.5	0.968	0.983	0.989	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1080.0	0.966	0.983	0.989	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1082.5	0.981	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1085.0	0.977	0.988	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1087.5	0.971	0.984	0.990	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1090.0	0.968	0.982	0.989	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1092.5	0.973	0.985	0.991	0.994	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1095.0	0.981	0.990	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1097.5	0.991	0.993	0.981	0.987	0.992	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1100.3	0.976	0.983	0.971	0.982	0.989	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
1102.5	0.980	0.986	0.976	0.985	0.991	0.994	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
1105.0	0.980	0.986	0.976	0.985	0.991	0.994	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
1107.5	0.978	0.984	0.974	0.982	0.989	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
1110.0	0.972	0.981	0.972	0.981	0.987	0.992	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
1112.5	0.967	0.978	0.968	0.979	0.986	0.991	0.994	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000
1115.0	0.957	0.972	0.961	0.976	0.985	0.990	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
1117.5	0.947	0.965	0.953	0.972	0.983	0.989	0.992	0.995	0.996	0.998	0.999	1.000	1.000	1.000	1.000
1120.0	0.925	0.951	0.939	0.964	0.978	0.986	0.991	0.994	0.996	0.997	0.998	0.999	1.000	1.000	1.000
1122.5	0.927	0.954	0.943	0.966	0.979	0.987	0.991	0.994	0.996	0.997	0.998	0.999	1.000	1.000	1.000
1125.0	0.944	0.967	0.957	0.975	0.984	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
1127.5	0.964	0.980	0.971	0.984	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
1130.0	0.982	0.989	0.984	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
1132.5	0.987	0.993	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1135.0	0.900	0.942	0.959	0.971	0.982	0.988	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
1137.5	0.895	0.939	0.957	0.972	0.981	0.987	0.991	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000
1140.0	0.921	0.959	0.974	0.979	0.985	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
1142.5	0.952	0.976	0.984	0.989	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1145.0	0.976	0.988	0.992	0.994	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1147.5	0.895	0.944	0.968	0.973	0.982	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
1150.0	0.879	0.931	0.961	0.969	0.978	0.985	0.990	0.994	0.996	0.997	0.998	0.999	1.000	1.000	1.000
1152.5	0.899	0.943	0.969	0.972	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
1155.0	0.934	0.966	0.979	0.979	0.985	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000
1157.5	0.959	0.979	0.986	0.984	0.988	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
1160.0	0.926	0.963	0.975	0.983	0.990	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1162.5	0.884	0.934	0.961	0.974	0.983	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
1165.0	0.847	0.903	0.936	0.955	0.972	0.981	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000
1167.5	0.824	0.884	0.921	0.945	0.965	0.978	0.985	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000
1170.0	0.817	0.879	0.917	0.943	0.965	0.978	0.985	0.990	0.994	0.996	0.997	0.998	0.999	0.999	1.000
1172.5	0.790	0.870	0.908	0.936	0.959	0.974	0.983	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000
1175.0	0.788	0.869	0.907	0.935	0.959	0.975	0.984	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000
1177.5	0.813	0.883	0.917	0.941	0.962	0.976	0.984	0.990	0.994	0.996	0.997	0.998	0.999	0.999	1.000
1180.0	0.852	0.906	0.934	0.952	0.969	0.979	0.986	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000
1182.5	0.901	0.931	0.951	0.965	0.976	0.983	0.989	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000
1185.0	0.865	0.897	0.918	0.942	0.964	0.975	0.982	0.989	0.993	0.995	0.997	0.998	0.999	1.000	1.000
1187.5	0.790	0.873	0.910	0.936	0.960	0.972	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000
1190.0	0.705	0.843	0.892	0.924	0.953	0.969	0.979	0.986	0.991	0.994	0.996	0.997	0.998	0.999	1.000
1192.5	0.896	0.944	0.962	0.973	0.981	0.986	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000
1195.0	0.939	0.969	0.979	0.984	0.988	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000
1197.5	0.869	0.911	0.938	0.957	0.972	0.981	0.987	0.992	0.995	0.996	0.998	0.999	0.999	1.000	1.000
1200.0	0.817	0.878	0.916	0.943	0.965	0.977	0.984	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000
1202.5	0.854	0.904	0.935	0.955	0.971	0.980	0.987	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000
1205.0	0.894	0.931	0.953	0.968	0.978	0.985	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000
1207.5	0.795	0.879	0.916	0.941	0.963	0.976	0.985	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000
1210.0	0.727	0.828	0.878	0.913	0.945	0.965	0.978	0.986	0.991	0.994	0.996	0.997	0.998	0.999	1.000
1212.5	0.737	0.838	0.887	0.920	0.949	0.968	0.980	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000
1215.0	0.739	0.840	0.887	0.920	0.949	0.968	0.980	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000
1217.5	0.765	0.861	0.901	0.932	0.956	0.972	0.983	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000
1220.0	0.813	0.893	0.927	0.948	0.967	0.978	0.986	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000
1222.5	0.690	0.807	0.862	0.903	0.939	0.958	0.971	0.982	0.988	0.992	0.995	0.997	0.998	0.999	1.000
1225.0	0.661	0.790	0.850	0.894	0.933	0.953	0.967	0.980	0.987	0.992	0.995	0.997	0.998	0.999	1.000
1227.5	0.668	0.796	0.854	0.897	0.935	0.955	0.968	0.980	0.987	0.992	0.995	0.997	0.998	0.999	1.000
1230.0	0.711	0.831	0.882	0.919	0.947	0.965	0.976	0.985	0.990	0.994	0.996	0.997	0.998	0.999	1.000
1232.5	0.811	0.891	0.929	0.947	0.967	0.977	0.984	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000
1235.0	0.783	0.874	0.913	0.939	0.963	0.975	0.983	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000
1237.5	0.736	0.840	0.885	0.922	0.952	0.969	0.978	0.987	0.991	0.994	0.996	0.997	0.998	0.999	1.000
1240.0	0.679	0.801	0.854	0.900	0.937	0.956	0.970	0.982	0.988	0.992	0.995	0.997	0.998	0.999	1.000
1242.5	0.676	0.785	0.844	0.891	0.931	0.952	0.967	0.980	0.987	0.992	0.995	0.997	0.998	0.999	1.000
1245.0	0.693	0.810	0.866	0.904	0.939	0.958	0.971	0.982	0.988	0.992	0.995	0.997	0.998	0.999	1.000
1247.5	0.698	0.823	0.875	0.912	0.945	0.961	0.973	0.984	0.989	0.993	0.996	0.997	0.998	0.999	1.000
1250.0	0.705	0.835	0.887	0.923	0.950	0.967	0.978	0.986	0.991	0.994	0.996	0.997	0.998	0.999	1.000
1252.5	0.644	0.779	0.845	0.889	0.931	0.952	0.967	0.980	0.987	0.992	0.995	0.997	0.998	0.999	1.000
1255.0	0.644	0.779	0.845	0.889	0.931	0.952	0.967	0.980	0.987	0.992	0.995	0.997	0.998	0.999	1.000
1257.5	0.666	0.796	0.854	0.898	0.937	0.956	0.970	0.982	0.988	0.992	0.995	0.997	0.998	0.999	1.000
1260.0	0.716	0.833	0.884	0.920	0.948	0.966	0.977	0.985	0.990	0.994	0.996	0.997	0.998	0.999	1.000
1262.5	0.776	0.873	0.913	0.940	0.962	0.975	0.983	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000
1265.0	0.836	0.911	0.940	0.958	0.971	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000
1267.5	0.850	0.920	0.945	0.962	0.974	0.982	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000
1270.0	0.850	0.920	0.945	0.962	0.974	0.982	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000
1272.5	0.850	0.918	0.942	0.960	0.973	0.982	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000
1275.0	0.852	0.919	0.943	0.960	0.973	0.982	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000
1277.5	0.853	0.919	0.943	0.960	0.973	0.982	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000
1280.0	0.860	0.923	0.945	0.962	0.974	0.982	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000
1282.5	0.875	0.932	0.951	0.965	0.975	0.983	0.989	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000
1285.0	0.890	0.941	0.957	0.969	0.978	0.985	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000
1287.5	0.907	0.950	0.963	0.973	0.980	0.986	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000
1290.0	0.922	0.958	0.969	0.977	0.983	0.988	0.992	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000
1292.5	0.934	0.965	0.974	0.980	0.985	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
1295.0	0.945	0.971	0.978	0.984	0.988	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000
1297.5	0.475	0.641	0.737	0.808	0.875	0.911	0.938	0.962	0.975	0.983	0.991	0.995	0.997	0.999	0.999
1300.0	0.455	0.633	0.732	0.805	0.873	0.910	0.937	0.962	0.975	0.983	0.991	0.995	0.997	0.999	0.999
1302.5	0.732	0.842	0.917	0.954	0.978	0.987	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
1305.0	0.868	0.940	0.967	0.983	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
1307.5	0.865	0.940	0.967	0.983	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000

U[PR.CM.]

FREQ.	50.00	20.00	10 00	5.000	2.000	1.000	0.500	0.200	0 100	0 050	0.020	0.010	0.005	0.002	0 001
1310.0	0.766	0.441	0.563	0.665	0.771	0.837	0.879	0.923	0.946	0.963	0.978	0.986	0.991	0.995	0.997
1312.5	0.130	0.280	0.410	0.533	0.673	0.756	0.822	0.885	0.919	0.944	0.967	0.978	0.985	0.992	0.995
1315.0	0.072	0.209	0.343	0.475	0.624	0.723	0.798	0.868	0.907	0.934	0.963	0.975	0.983	0.991	0.994
1317.5	0.046	0.233	0.321	0.503	0.652	0.741	0.811	0.878	0.913	0.940	0.965	0.975	0.983	0.990	0.994
1320.0	0.157	0.335	0.474	0.596	0.725	0.798	0.856	0.907	0.931	0.954	0.972	0.981	0.987	0.993	0.995
1322.5	0.235	0.430	0.545	0.673	0.781	0.843	0.888	0.929	0.951	0.966	0.980	0.986	0.991	0.995	0.997
1325.0	0.278	0.484	0.619	0.722	0.818	0.870	0.908	0.943	0.961	0.973	0.985	0.990	0.993	0.996	0.997
1327.5	0.296	0.509	0.637	0.737	0.829	0.878	0.914	0.946	0.963	0.976	0.986	0.992	0.995	0.998	0.999
1330.0	0.293	0.498	0.632	0.733	0.826	0.876	0.913	0.944	0.962	0.975	0.986	0.991	0.995	0.998	0.999
1332.5	0.234	0.437	0.576	0.684	0.795	0.857	0.895	0.934	0.956	0.969	0.983	0.989	0.993	0.997	0.998
1335.0	0.132	0.266	0.416	0.541	0.676	0.758	0.822	0.885	0.919	0.943	0.966	0.977	0.985	0.992	0.995
1337.5	0.059	0.110	0.251	0.363	0.524	0.637	0.724	0.816	0.868	0.906	0.942	0.960	0.973	0.986	0.989
1340.0	0.021	0.048	0.201	0.327	0.496	0.611	0.707	0.805	0.859	0.899	0.937	0.956	0.970	0.982	0.988
1342.5	0.060	0.278	0.409	0.517	0.664	0.757	0.796	0.864	0.902	0.930	0.958	0.972	0.980	0.988	0.992
1345.0	0.229	0.425	0.563	0.675	0.785	0.864	0.888	0.928	0.950	0.965	0.979	0.986	0.991	0.994	0.996
1347.5	0.278	0.509	0.650	0.754	0.847	0.892	0.924	0.953	0.967	0.978	0.987	0.991	0.994	0.997	0.998
1350.0	0.270	0.518	0.649	0.688	0.809	0.858	0.899	0.936	0.956	0.969	0.982	0.988	0.992	0.995	0.997
1352.5	0.172	0.379	0.530	0.636	0.775	0.835	0.885	0.927	0.950	0.965	0.979	0.987	0.991	0.995	0.997
1355.0	0.118	0.298	0.469	0.583	0.722	0.798	0.855	0.908	0.935	0.956	0.976	0.985	0.990	0.994	0.997
1357.5	0.057	0.208	0.370	0.482	0.628	0.718	0.792	0.865	0.905	0.936	0.963	0.978	0.986	0.992	0.995
1360 0	0.019	0.092	0.190	0.313	0.463	0.598	0.686	0.796	0.857	0.895	0.935	0.956	0.970	0.983	0.989
1362.5	0.006	0.050	0.131	0.240	0.420	0.540	0.657	0.769	0.832	0.879	0.924	0.947	0.964	0.978	0.986
1365.0	0.008	0.078	0.211	0.278	0.452	0.574	0.693	0.801	0.857	0.893	0.931	0.952	0.968	0.981	0.988
1367.5	0.014	0.158	0.301	0.450	0.620	0.719	0.795	0.867	0.906	0.933	0.959	0.971	0.980	0.988	0.992
1370.0	0.035	0.186	0.317	0.472	0.641	0.740	0.813	0.880	0.915	0.941	0.964	0.975	0.983	0.990	0.993
1372.5	0.014	0.092	0.207	0.348	0.529	0.644	0.737	0.827	0.876	0.912	0.945	0.962	0.974	0.986	0.989
1375.0	0.006	0.054	0.135	0.246	0.432	0.560	0.678	0.792	0.852	0.887	0.929	0.949	0.966	0.979	0.986
1377.5	0.006	0.054	0.142	0.265	0.449	0.578	0.698	0.811	0.868	0.904	0.939	0.957	0.972	0.984	0.990
1380.0	0.008	0.064	0.162	0.268	0.444	0.573	0.694	0.809	0.867	0.903	0.939	0.957	0.972	0.984	0.990
1382.5	0.044	0.203	0.368	0.527	0.691	0.779	0.843	0.900	0.930	0.951	0.971	0.980	0.987	0.993	0.996
1385.0	0.042	0.174	0.352	0.512	0.709	0.785	0.859	0.899	0.929	0.956	0.970	0.980	0.988	0.992	0.995
1387.5	0.028	0.140	0.316	0.477	0.653	0.753	0.834	0.894	0.926	0.952	0.969	0.979	0.987	0.992	0.995
1390.0	0.010	0.011	0.206	0.151	0.331	0.471	0.597	0.728	0.802	0.858	0.911	0.938	0.957	0.974	0.983
1392.5	0.000	0.004	0.078

WATER VAPOR AT 0.02 ATMOSPHERE PRESSURE
T=250° K

U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1935.0	0.128	0.372	0.565	0.716	0.844	0.900	0.935	0.962	0.975	0.984	0.990	0.994	0.996	0.998	0.999
1937.5	0.059	0.216	0.360	0.494	0.638	0.724	0.794	0.862	0.900	0.929	0.955	0.968	0.978	0.987	0.991
1940.0	0.037	0.174	0.211	0.310	0.455	0.564	0.662	0.768	0.829	0.876	0.920	0.944	0.961	0.976	0.983
1942.5	0.002	0.026	0.082	0.177	0.344	0.476	0.595	0.723	0.796	0.852	0.905	0.933	0.953	0.971	0.980
1945.0	0.004	0.046	0.129	0.251	0.432	0.559	0.667	0.777	0.838	0.883	0.925	0.947	0.963	0.977	0.984
1947.5	0.073	0.201	0.331	0.470	0.634	0.731	0.805	0.875	0.911	0.937	0.961	0.973	0.981	0.989	0.992
1950.0	0.110	0.287	0.435	0.571	0.714	0.793	0.852	0.906	0.934	0.953	0.971	0.980	0.986	0.992	0.995
1952.5	0.157	0.385	0.550	0.680	0.800	0.860	0.902	0.939	0.957	0.970	0.982	0.988	0.992	0.995	0.997
1955.0	0.182	0.404	0.561	0.685	0.801	0.860	0.902	0.939	0.957	0.970	0.981	0.987	0.991	0.995	0.997
1957.5	0.196	0.427	0.586	0.707	0.818	0.873	0.912	0.945	0.962	0.973	0.984	0.989	0.992	0.996	0.997
1960.0	0.211	0.457	0.619	0.739	0.844	0.894	0.928	0.956	0.969	0.979	0.987	0.991	0.994	0.997	0.998
1962.5	0.139	0.299	0.443	0.571	0.706	0.784	0.843	0.898	0.927	0.948	0.967	0.977	0.984	0.990	0.993
1965.0	0.069	0.184	0.300	0.425	0.581	0.682	0.763	0.843	0.886	0.918	0.948	0.963	0.974	0.984	0.989
1967.5	0.118	0.243	0.352	0.466	0.609	0.702	0.777	0.852	0.893	0.923	0.951	0.965	0.976	0.985	0.989
1970.0	0.236	0.438	0.565	0.667	0.770	0.830	0.875	0.918	0.942	0.958	0.974	0.982	0.987	0.992	0.995
1972.5	0.366	0.628	0.766	0.855	0.921	0.950	0.967	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999
1975.0	0.348	0.641	0.768	0.852	0.916	0.945	0.963	0.978	0.985	0.990	0.994	0.996	0.997	0.999	0.999
1977.5	0.487	0.707	0.812	0.880	0.931	0.954	0.969	0.981	0.987	0.991	0.995	0.996	0.998	0.999	0.999
1980.0	0.509	0.737	0.841	0.904	0.948	0.966	0.978	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000
1982.5	0.451	0.699	0.823	0.898	0.950	0.970	0.982	0.991	0.994	0.997	0.999	0.999	1.000	1.000	1.000
1985.0	0.261	0.494	0.646	0.758	0.856	0.902	0.934	0.960	0.973	0.982	0.989	0.993	0.995	0.997	0.998
1987.5	0.100	0.266	0.401	0.526	0.662	0.751	0.819	0.882	0.915	0.940	0.962	0.973	0.981	0.988	0.992
1990.0	0.019	0.088	0.180	0.300	0.471	0.590	0.690	0.793	0.849	0.891	0.930	0.950	0.965	0.978	0.985
1992.5	0.010	0.062	0.148	0.267	0.443	0.567	0.672	0.780	0.840	0.885	0.926	0.947	0.963	0.977	0.984
1995.0	0.052	0.171	0.293	0.421	0.582	0.683	0.764	0.844	0.887	0.919	0.948	0.963	0.974	0.984	0.989
1997.5	0.126	0.317	0.473	0.609	0.746	0.819	0.872	0.920	0.943	0.960	0.975	0.983	0.988	0.993	0.995
2000.0	0.320	0.543	0.680	0.780	0.867	0.909	0.938	0.962	0.974	0.982	0.989	0.992	0.995	0.997	0.998
2002.5	0.493	0.708	0.810	0.876	0.928	0.951	0.967	0.981	0.987	0.991	0.994	0.996	0.997	0.998	0.999
2005.0	0.499	0.707	0.805	0.869	0.921	0.946	0.963	0.977	0.984	0.989	0.993	0.995	0.997	0.998	0.999
2007.5	0.351	0.557	0.677	0.769	0.852	0.895	0.926	0.954	0.968	0.977	0.986	0.990	0.993	0.996	0.998
2010.0	0.263	0.484	0.624	0.731	0.829	0.879	0.915	0.947	0.963	0.974	0.984	0.989	0.993	0.996	0.998
2012.5	0.196	0.393	0.534	0.654	0.771	0.835	0.885	0.926	0.948	0.963	0.977	0.985	0.989	0.994	0.996
2015.0	0.145	0.297	0.425	0.543	0.685	0.764	0.828	0.888	0.920	0.943	0.964	0.975	0.983	0.989	0.993
2017.5	0.067	0.204	0.339	0.475	0.631	0.726	0.799	0.869	0.906	0.933	0.958	0.970	0.979	0.987	0.991
2020.0	0.173	0.347	0.480	0.597	0.727	0.795	0.850	0.903	0.930	0.951	0.969	0.978	0.984	0.990	0.993
2022.5	0.241	0.459	0.622	0.712	0.815	0.869	0.903	0.942	0.954	0.971	0.983	0.987	0.991	0.995	0.997
2025.0	0.311	0.529	0.665	0.757	0.846	0.891	0.923	0.952	0.967	0.977	0.985	0.990	0.993	0.996	0.998
2027.5	0.451	0.650	0.732	0.806	0.875	0.911	0.938	0.961	0.972	0.981	0.988	0.992	0.994	0.997	0.998
2030.0	0.576	0.741	0.824	0.877	0.924	0.947	0.964	0.978	0.985	0.989	0.994	0.996	0.997	0.998	0.999
2032.5	0.620	0.783	0.858	0.904	0.942	0.961	0.974	0.984	0.990	0.993	0.996	0.998	0.999	1.000	1.000
2037.5	0.352	0.539	0.649	0.736	0.826	0.875	0.913	0.943	0.961	0.973	0.984	0.989	0.993	0.996	0.997
2040.0	0.212	0.375	0.500	0.611	0.732	0.802	0.856	0.907	0.934	0.954	0.971	0.980	0.986	0.992	0.994
2042.5	0.160	0.326	0.458	0.579	0.724	0.785	0.843	0.898	0.927	0.949	0.968	0.977	0.984	0.991	0.994
2045.0	0.325	0.540	0.614	0.737	0.822	0.865	0.895	0.932	0.952	0.966	0.979	0.985	0.990	0.994	0.996
2047.5	0.567	0.735	0.818	0.874	0.921	0.945	0.962	0.976	0.984	0.989	0.993	0.995	0.997	0.998	0.999
2050.0	0.733	0.866	0.919	0.949	0.971	0.981	0.988	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000
2052.5	0.793	0.905	0.944	0.967	0.982	0.989	0.993	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000
2055.0	0.741	0.874	0.926	0.954	0.975	0.984	0.990	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
2057.5	0.586	0.755	0.837	0.889	0.933	0.955	0.969	0.981	0.987	0.991	0.995	0.997	0.998	0.999	0.999
2060.0	0.348	0.516	0.625	0.715	0.807	0.859	0.898	0.935	0.954	0.968	0.980	0.986	0.990	0.994	0.996
2062.5	0.151	0.304	0.432	0.553	0.688	0.768	0.831	0.890	0.922	0.945	0.965	0.976	0.983	0.990	0.993
2065.0	0.158	0.311	0.438	0.557	0.691	0.771	0.833	0.892	0.923	0.945	0.965	0.976	0.983	0.990	0.993
2067.5	0.367	0.535	0.641	0.727	0.816	0.866	0.903	0.938	0.956	0.969	0.981	0.986	0.991	0.994	0.996
2070.0	0.562	0.689	0.786	0.851	0.907	0.936	0.956	0.973	0.982	0.987	0.992	0.995	0.996	0.998	0.999
2072.5	0.542	0.716	0.803	0.862	0.913	0.940	0.958	0.974	0.982	0.988	0.993	0.995	0.997	0.998	0.999
2075.0	0.572	0.726	0.805	0.861	0.911	0.937	0.956	0.972	0.981	0.986	0.992	0.994	0.996	0.998	0.999
2077.5	0.626	0.760	0.837	0.886	0.927	0.949	0.964	0.977	0.984	0.989	0.993	0.996	0.997	0.999	0.999
2080.0	0.691	0.817	0.874	0.913	0.946	0.963	0.974	0.984	0.989	0.992	0.996	0.997	0.998	0.999	1.000
2082.5	0.657	0.795	0.859	0.902	0.940	0.959	0.971	0.983	0.988	0.992	0.996	0.997	0.998	0.999	1.000
2085.0	0.606	0.754	0.827	0.879	0.925	0.948	0.964	0.978	0.985	0.990	0.994	0.996	0.998	0.999	0.999
2087.5	0.440	0.607	0.705	0.782	0.857	0.898	0.928	0.955	0.969	0.978	0.987	0.991	0.994	0.997	0.998
2090.0	0.313	0.496	0.615	0.712	0.809	0.862	0.902	0.938	0.957	0.970	0.981	0.987	0.991	0.995	0.997
2092.5	0.360	0.535	0.645	0.735	0.824	0.873	0.910	0.943	0.960	0.972	0.983	0.988	0.992	0.995	0.997
2095.0	0.513	0.675	0.762	0.827	0.888	0.921	0.944	0.966	0.976	0.984	0.990	0.993	0.996	0.997	0.998
2097.5	0.671	0.803	0.863	0.905	0.941	0.959	0.971	0.983	0.988	0.992	0.995	0.997	0.998	0.999	1.000
2100.0	0.691	0.815	0.871	0.909	0.943	0.960	0.973	0.983	0.988	0.992	0.995	0.997	0.998	0.999	1.000
2102.5	0.640	0.771	0.835	0.881	0.925	0.947	0.962	0.977	0.984	0.989	0.993	0.996	0.997	0.999	0.999
2105.0	0.555	0.705	0.784	0.844	0.900	0.929	0.950	0.969	0.979	0.985	0.991	0.995	0.997	0.998	0.999
2107.5	0.601	0.739	0.809	0.862	0.912	0.938	0.957	0.973	0.982	0.988	0.993	0.995	0.997	0.999	0.999
2110.0	0.587	0.728	0.801	0.856	0.908	0.935	0.955	0.972	0.981	0.987	0.992	0.995	0.997	0.998	0.999
2112.5	0.549	0.711	0.789	0.847	0.902	0.931	0.952	0.970	0.980	0.986	0.992	0.994	0.996	0.998	0.999
2115.0	0.591	0.726	0.799	0.854	0.906	0.933	0.954	0.972	0.980	0.987	0.992	0.994	0.996	0.998	0.999
2117.5	0.673	0.791	0.848	0.891	0.930	0.951	0.966	0.980	0.986	0.991	0.995	0.996	0.998	0.999	0.999
2120.0	0.731	0.836	0.883	0.918	0.948	0.964	0.975	0.985	0.990	0.994	0.997	0.998	0.999	1.000	1.000
2122.5	0.643	0.772	0.835	0.881	0.924	0.946	0.962	0.977	0.984	0.990	0.994	0.996	0.998	0.999	1.000
2125.0	0.639	0.768	0.832	0.879	0.923	0.945	0.961	0.976	0.984	0.989	0.994	0.996	0.998	0.999	0.999
2127.5	0.727	0.837	0.881	0.915	0.947	0.963	0.974	0.984	0.989	0.993	0.996	0.997	0.998	0.999	1.000
2130.0	0.822	0.902	0.934	0.955	0.971	0.982	0.988	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000
2132.5	0.698	0.800	0.852	0.893	0.931	0.951	0.965	0.979	0.985	0.990	0.994	0.996	0.997	0.998	0.999
2135.0	0.475	0.615	0.703	0.776	0.851	0.892	0.923	0.951	0.966	0.976	0.985	0.990	0.993	0.996	0.998
2137.5	0.371	0.538	0.645	0.734	0.823	0.872	0.909	0.942	0.960	0.972	0.983	0.988	0.992	0.996	0.998
2140.0	0.508	0.651	0.735	0.803	0.870	0.906	0.933	0.958	0.971	0.980	0.988	0.992	0.995	0.997	0.998
2142.5	0.615	0.750	0.819	0.871	0.918	0.942	0.959	0.975	0.983	0.989	0.994	0.996	0.998	0.999	0.999
2145.0	0.621	0.753	0.821	0.872	0.918	0.943	0.960	0.975	0.983	0.989	0.994	0.996	0.998	0.999	0.999
2147.5	0.658	0.776	0.839	0.884	0.926	0.948	0.964	0.978	0.985	0.990	0.994	0.996	0.998	0.999	0.999
2150.0	0.694	0.803	0.856	0.898	0.936	0.955	0.969	0.981	0.988	0.992	0.995	0.997	0.998	0.999	1.000
2152.5	0.664	0.779	0.839	0.884	0.926	0.947	0.963	0.977	0.985	0.990	0.995	0.997	0.998	0.999	1.000
2155.0	0.613	0.743	0.812	0.865	0.913	0.938	0.956	0.973	0.981	0.988	0.993	0.996	0.998	0.999	0.999
2157.5	0.629	0.755	0.821	0.871	0.917	0.941	0.959	0.974	0.982	0.988	0.993	0.996	0.997	0.999	0.999
2160.0	0.658	0.778	0.840	0.885	0.927	0.948	0.964	0.977	0.984	0.989	0.994	0.996	0.997	0.999	0.999
2162.5	0.685	0.797	0.853	0.895	0.933	0.953	0.967	0.979	0.986	0.990	0.994	0.996	0.998	0.999	0.999
2165.0	0.756	0.845	0.888	0.920	0.950	0.965	0.975	0.985	0.990	0.993	0.996	0.998	0.999	0.999	1.000
2167.5	0.820	0.890	0.923	0.946	0.966	0.977	0.984	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000
2170.0	0.820	0.890	0.922	0.945	0.966	0.976	0.984	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000
2172.5	0.839	0.901	0.930	0.951	0.969	0.978	0.985	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000
2175.0	0.902	0.944	0.961	0.973	0.983	0.988	0.992	0.995	0.997	0.998	0.999	0.999	0.999	1.000	1.000
2177.5	0.927	0.960	0.972	0.981	0.988	0.992	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2180.0	0.874	0.929	0.950	0.965	0.978	0.985	0.989	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000
2182.5	0.778	0.858	0.898	0.928	0.954	0.968	0.978	0.986	0.991	0.994	0.996	0.998	0.999	0.999	1.000
2185.0	0.720	0.818	0.868	0.905	0.940	0.958	0.970	0.982	0.988	0.992	0.996	0.997	0.999	0.999	1.000
2187.5	0.763	0.846	0.888	0.920	0.949	0.964	0.975	0.985	0.990	0.993	0.996	0.998	0.999	0.999	1.000
2190.0	0.844	0.902	0.930	0.950	0.969	0.978	0.985	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
2192.5	0.926	0.957	0.971	0.980	0.988	0.992	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2195.0	0.928	0.960	0.973	0.981	0.989	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2197.5	0.904	0.944	0.961	0.973	0.984	0.989	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
2200.0	0.863	0.917	0.942	0.959	0.975	0.982	0.988	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000
2202.5	0.782	0.862	0.902	0.930	0.956	0.969	0.979	0.987	0.991	0.994	0.997	0.998	0.999	1.000	1.000
2205.0	0.728	0.825	0.874	0.910	0.943	0.960	0.972	0.983	0.989	0.993	0.996	0.998	0.999	0.999	1.000
2207.5	0.683	0.793	0.850	0.893	0.932	0.952	0.967	0.980	0.987	0.991	0.995	0.997	0.998	0.999	1.000
2210.0	0.679	0.790	0.848	0.891	0.930	0.951	0.966	0.980	0.987	0.991	0.996	0.998	0.999	0.999	1.000
2212.5	0.763	0.844	0.889	0.920	0.949	0.964	0.975	0.985	0.991	0.994	0.997	0.998	0.999	1.000	1.000
2215.0	0.861	0.914	0.938	0.956	0.972	0.981	0.987	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2217.5	0.945	0.972	0.981	0.987	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2220.0	0.956	0.978	0.985	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2222.5	0.909	0.946	0.962	0.974	0.984	0.989	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2225.0	0.862	0.915	0.940	0.958	0.974	0.982	0.988	0.993	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2227.5	0.820	0.887	0.920	0.943	0.965	0.975	0.983	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000
2230.0	0.824	0.890	0.922	0.943	0.965	0.976	0.984	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
2232.5	0.848	0.905	0.932	0.952	0.970	0.980	0.986	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000
2235.0	0.866	0.917	0.941	0.958	0.974	0.982	0.988	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
2237.5	0.911	0.946	0.962	0.974	0.984	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2240.0	0.930	0.960	0.972	0.981	0.989	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2242.5	0.958	0.978	0.985	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2245.0	0.945	0.970	0.980	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2247.5	0.920	0.953	0.968	0.978	0.987	0.991	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2250.0	0.896	0.938	0.957	0.971	0.982	0.988	0.992	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2252.5	0.899	0.939	0.958	0.971	0.983	0.988	0.992	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2255.0	0.918	0.951	0.967	0.977	0.986	0.991	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2257.5	0.929	0.958	0.971	0.980	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2260.0	0.944	0.968	0.978	0.985	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2262.5	0.957	0.976	0.984	0.989	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2265.0	0.973	0.987	0.991	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2267.5	0.955	0.975	0.983	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2270.0	0.932	0.960	0.972	0.981	0.989	0.993	0.995	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2272.5	0.924	0.955	0.969	0.979	0.988	0.992	0.995	0.997	0.998	0.998	1.000	1.000	1.000	1.000	1.000
2275.0	0.938	0.964	0.975	0.983	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2277.5	0.950	0.971	0.981	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2280.0	0.941	0.965	0.976	0.984	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2282.5	0.940	0.965	0.976	0.984	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2285.0	0.949	0.972	0.981	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2287.5	0.960	0.980	0.987	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2290.0	0.952	0.974	0.983	0.990	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2292.5	0.945	0.969	0.980	0.987	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2295.0	0.941	0.966	0.977	0.985	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2297.5	0.946	0.969	0.979	0.986	0.992	0.994	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2300.0	0.951	0.972	0.982	0.988	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2302.5	0.948	0.970	0.980	0.986	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2305.0	0.954	0.973	0.982	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2307.5	0.960	0.977	0.985	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2310.0	0.973	0.986	0.991	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2312.5	0.972	0.985	0.991	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2315.0	0.963	0.980	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2317.5	0.960	0.978	0.986	0.991	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2320.0	0.967	0.982	0.988	0.992	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2322.5	0.971	0.984	0.990	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2325.0	0.968	0.983	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2327.5	0.970	0.984	0.990	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2330.0	0.968	0.983	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2332.5	0.969	0.984	0.989	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2335.0	0.965	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2337.5	0.961	0.978	0.986	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2340.0	0.959	0.978	0.985	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2342.5	0.964	0.981	0.988	0.992	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2345.0	0.973	0.986	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2347.5	0.978	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2350.0	0.979	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2352.5	0.980	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2355.0	0.980	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2357.5	0.977	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2360.0	0.975	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2362.5	0.958	0.976	0.984	0.990	0.994	0.996	0.997	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2365.0	0.940	0.965	0.976	0.984	0.990	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2367.5	0.944	0.967	0.977	0.985	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2370.0	0.970	0.983	0.988	0.992	0.995	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2372.5	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2375.0	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2377.5	0.986	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2380.0	0.983	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2382.5	0.984	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2385.0	0.988	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2387.5	0.980	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2390.0	0.969	0.982	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2392.5	0.970	0.983	0.989	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2395.0	0.982	0.991	0.994	0.996	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2397.5	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2400.0	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2402.5	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2405.0	0.990	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2407.5	0.988	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2410.0	0.984	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2412.5	0.983	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2415.0	0.986	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2417.5	0.990	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2420.0	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2422.5	0.990	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2425.0	0.990	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2427.5	0.973	0.985	0.990	0.993	0.996	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2430.0	0.956	0.973	0.981	0.987	0.992	0.994	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2432.5	0.956	0.974	0.983	0.987	0.992	0.994	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2435.0	0.971	0.983	0.989	0.992	0.995	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2437.5	0.986	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2440.0	0.987	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2442.5	0.991	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2445.0	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2447.5	0.995	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2450.0	0.983	0.991	0.994	0.996	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2452.5	0.972	0.984	0.989	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2455.0	0.973	0.985	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2457.5	0.985	0.992	0.995	0.996	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2460.0	0.995	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2462.5	0.992	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2465.0	0.991	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2467.5	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2470.0	0.994	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2472.5	0.994	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2475.0	0.991	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2477.5	0.986	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2480.0	0.982	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2482.5	0.987	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2485.0	0.993	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2487.5	0.995	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2490.0	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2492.5	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2495.0	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2497.5	0.989	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2500.0	0.985	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2502.5	0.986	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2505.0	0.991	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2507.5	0.995	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2510.0	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2512.5	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2515.0	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2517.5	0.985	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2520.0	0.983	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2522.5	0.986	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2525.0	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2527.5	0.994	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2530.0	0.995	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2532.5	0.994	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2535.0	0.983	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2537.5	0.972	0.985	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2540.0	0.973	0.986	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2542.5	0.984	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2545.0	0.991	0.996	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2547.5	0.986	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2550.0	0.984	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2552.5	0.977	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2555.0	0.963	0.979	0.986	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2557.5	0.956	0.975	0.983	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2560.0	0.969	0.982	0.988	0.992	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2562.5	0.986	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2565.0	0.993	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2567.5	0.988	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2570.0	0.979	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2572.5	0.952	0.972	0.981	0.988	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2575.0	0.936	0.961	0.973	0.982	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2577.5	0.943	0.966	0.977	0.984	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2580.0	0.969	0.982	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2582.5	0.987	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2585.0	0.985	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2587.5	0.977	0.987	0.992	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2590.0	0.942	0.965	0.976	0.984	0.991	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2592.5	0.912	0.946	0.963	0.975	0.985	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2595.0	0.917	0.949	0.964	0.975	0.985	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2597.5	0.950	0.970	0.979	0.986	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2600.0	0.979	0.989	0.993	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2602.5	0.981	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2605.0	0.977	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2607.5	0.929	0.957	0.971	0.980	0.988	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2610.0	0.883	0.927	0.949	0.964	0.978	0.985	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000
2612.5	0.885	0.927	0.949	0.964	0.978	0.985	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2615.0	0.926	0.955	0.968	0.978	0.987	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2617.5	0.968	0.982	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2620.0	0.970	0.984	0.989	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2622.5	0.966	0.981	0.988	0.992	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2625.0	0.916	0.948	0.963	0.974	0.984	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2627.5	0.866	0.915	0.940	0.957	0.973	0.982	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2630.0	0.866	0.914	0.939	0.957	0.973	0.982	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2632.5	0.912	0.945	0.962	0.974	0.984	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2635.0	0.964	0.979	0.987	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2637.5	0.977	0.988	0.993	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2640.0	0.978	0.988	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2642.5	0.905	0.940	0.957	0.970	0.981	0.987	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2645.0	0.833	0.892	0.923	0.945	0.966	0.976	0.984	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2647.5	0.833	0.892	0.923	0.945	0.966	0.977	0.984	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2650.0	0.902	0.939	0.957	0.970	0.981	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2652.5	0.974	0.986	0.992	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2655.0	0.979	0.989	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2657.5	0.942	0.965	0.976	0.983	0.990	0.993	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2660.0	0.862	0.912	0.937	0.956	0.972	0.981	0.987	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
2662.5	0.820	0.884	0.916	0.942	0.964	0.975	0.983	0.991	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2665.0	0.863	0.912	0.938	0.956	0.972	0.981	0.987	0.993	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2667.5	0.942	0.965	0.976	0.983	0.990	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2670.0	0.981	0.991	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2672.5	0.957	0.975	0.984	0.989	0.993	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2675.0	0.877	0.922	0.945	0.961	0.976	0.983	0.989	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2677.5	0.821	0.884	0.918	0.942	0.964	0.975	0.983	0.991	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2680.0	0.846	0.901	0.929	0.950	0.969	0.978	0.985	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2682.5	0.927	0.954	0.968	0.977	0.986	0.990	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2685.0	0.979	0.989	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2687.5	0.955	0.974	0.983	0.989	0.993	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2690.0	0.918	0.950	0.966	0.977	0.986	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2692.5	0.874	0.922	0.946	0.962	0.977	0.984	0.989	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2695.0	0.861	0.913	0.940	0.958	0.974	0.982	0.988	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
2697.5	0.889	0.931	0.953	0.968	0.980	0.987	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2700.0	0.913	0.948	0.966	0.977	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2702.5	0.889	0.932	0.955	0.970	0.984	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2705.0	0.810	0.880	0.917	0.944	0.967	0.979	0.987	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2707.5	0.750	0.838	0.887	0.921	0.954	0.970	0.981	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2710.0	0.733	0.827	0.878	0.915	0.949	0.967	0.979	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2712.5	0.730	0.825	0.876	0.913	0.947	0.965	0.978	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2715.0	0.678	0.786	0.845	0.889	0.931	0.953	0.968	0.983	0.990	0.994	0.998	0.999	0.999	1.000	1.000
2717.5	0.566	0.699	0.777	0.837	0.895	0.927	0.950	0.971	0.982	0.990	0.995	0.998	0.999	1.000	1.000
2720.0	0.448	0.604	0.701	0.779	0.855	0.897	0.928	0.957	0.972	0.983	0.992	0.996	0.998	0.999	1.000
2722.5	0.417	0.578	0.680	0.762	0.844	0.889	0.922	0.952	0.969	0.980	0.990	0.995	0.997	0.999	0.999
2725.0	0.536	0.670	0.752	0.817	0.880	0.915	0.940	0.963	0.975	0.984	0.992	0.996	0.998	0.999	1.000
2727.5	0.737	0.820	0.868	0.904	0.938	0.956	0.969	0.981	0.987	0.992	0.996	0.998	0.999	1.000	1.000
2730.0	0.898	0.937	0.957	0.970	0.982	0.987	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
2732.5	0.926	0.957	0.971	0.980	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2735.0	0.885	0.928	0.950	0.965	0.978	0.985	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2737.5	0.838	0.897	0.927	0.949	0.968	0.978	0.986	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000
2740.0	0.827	0.890	0.922	0.945	0.966	0.976	0.985	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2742.5	0.863	0.913	0.939	0.957	0.973	0.982	0.988	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2745.0	0.902	0.939	0.958	0.971	0.982	0.989	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2747.5	0.910	0.945	0.963	0.974	0.985	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2750.0	0.885	0.929	0.951	0.966	0.980	0.986	0.991	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2752.5	0.858	0.911	0.938	0.957	0.973	0.982	0.988	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
2755.0	0.864	0.915	0.941	0.958	0.974	0.982	0.987	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
2757.5	0.901	0.938	0.957	0.970	0.981	0.987	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2760.0	0.941	0.965	0.977	0.984	0.990	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2762.5	0.932	0.960	0.973	0.982	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2765.0	0.885	0.929	0.952	0.966	0.980	0.987	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2767.5	0.822	0.887	0.920	0.944	0.965	0.977	0.985	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2770.0	0.798	0.871	0.909	0.936	0.960	0.973	0.982	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000
2772.5	0.844	0.901	0.930	0.951	0.970	0.979	0.986	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000
2775.0	0.910	0.946	0.963	0.974	0.985	0.990	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2777.5	0.969	0.984	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2780.0	0.943	0.968	0.979	0.986	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2782.5	0.814	0.877	0.912	0.937	0.960	0.972	0.980	0.988	0.992	0.995	0.998	0.999	0.999	1.000	1.000
2785.0	0.683	0.785	0.843	0.887	0.926	0.949	0.964	0.978	0.986	0.991	0.996	0.998	0.999	1.000	1.000
2787.5	0.666	0.774	0.835	0.881	0.924	0.946	0.962	0.977	0.985	0.991	0.996	0.998	0.999	1.000	1.000
2790.0	0.775	0.852	0.894	0.924	0.952	0.966	0.977	0.986	0.991	0.995	0.998	0.999	0.999	1.000	1.000
2792.5	0.830	0.893	0.925	0.947	0.967	0.978	0.985	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2795.0	0.720	0.812	0.863	0.902	0.938	0.957	0.971	0.983	0.989	0.994	0.997	0.998	0.999	1.000	1.000
2797.5	0.613	0.736	0.806	0.860	0.910	0.937	0.957	0.975	0.984	0.991	0.996	0.998	0.999	1.000	1.000
2800.0	0.630	0.748	0.816	0.867	0.915	0.941	0.960	0.977	0.986	0.992	0.996	0.998	0.999	1.000	1.000
2802.5	0.756	0.840	0.885	0.918	0.949	0.966	0.977	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000
2805.0	0.875	0.924	0.948	0.965	0.980	0.987	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2807.5	0.906	0.945	0.963	0.975	0.986	0.991	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2810.0	0.826	0.889	0.922	0.945	0.966	0.977	0.984	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2812.5	0.713	0.809	0.862	0.901	0.937	0.957	0.970	0.983	0.989	0.994	0.997	0.999	0.999	1.000	1.000
2815.0	0.676	0.784	0.844	0.888	0.929	0.951	0.967	0.981	0.988	0.993	0.997	0.998	0.999	1.000	1.000
2817.5	0.764	0.845	0.889	0.920	0.950	0.966	0.977	0.987	0.992	0.996	0.998	0.999	0.999	1.000	1.000
2820.0	0.881	0.927	0.950	0.965	0.979	0.986	0.991	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2822.5	0.881	0.926	0.949	0.964	0.979	0.986	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2825.0	0.821	0.886	0.919	0.943	0.965	0.976	0.984	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2827.5	0.786	0.863	0.903	0.932	0.958	0.971	0.980	0.989	0.993	0.996	0.998	0.999	1.000	1.000	1.000
2830.0	0.825	0.890	0.923	0.946	0.967	0.977	0.984	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2832.5	0.878	0.926	0.950	0.965	0.979	0.986	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2835.0	0.843	0.902	0.931	0.952	0.970	0.980	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2837.5	0.777	0.855	0.897	0.926	0.954	0.968	0.979	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2840.0	0.716	0.813	0.866	0.904	0.940	0.958	0.972	0.985	0.991	0.995	0.998	0.999	0.999	1.000	1.000
2842.5	0.729	0.822	0.873	0.909	0.943	0.961	0.974	0.986	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2845.0	0.770	0.853	0.896	0.926	0.955	0.969	0.980	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2847.5	0.777	0.858	0.900	0.930	0.957	0.972	0.982	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2850.0	0.799	0.873	0.911	0.938	0.963	0.975	0.984	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2852.5	0.840	0.900	0.931	0.952	0.971	0.980	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2855.0	0.876	0.925	0.949	0.964	0.978	0.985	0.990	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2857.5	0.875	0.923	0.947	0.963	0.977	0.984	0.989	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000
2860.0	0.822	0.888	0.922	0.945	0.966	0.977	0.984	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2862.5	0.806	0.877	0.913	0.939	0.963	0.975	0.983	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2865.0	0.837	0.898	0.929	0.950	0.970	0.980	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2867.5	0.876	0.924	0.948	0.964	0.978	0.986	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000
2870.0	0.882	0.929	0.952	0.967	0.980	0.987	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000

WATER VAPOR AT 0.02 ATMOSPHERE PRESSURE
T=250° K

U[FR.CM.]

FREQ.	50.00	70.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
2572.5	0.895	0.884	0.919	0.963	0.965	0.977	0.985	0.989	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2575.0	0.896	0.885	0.919	0.962	0.962	0.968	0.979	0.988	0.993	0.996	0.998	0.999	0.999	1.000	1.000
2577.5	0.730	0.825	0.875	0.912	0.916	0.943	0.975	0.986	0.997	0.995	0.997	0.999	0.999	1.000	1.000
2580.0	0.764	0.864	0.893	0.926	0.925	0.953	0.968	0.987	0.992	0.995	0.998	0.999	0.999	1.000	1.000
2582.5	0.836	0.898	0.929	0.950	0.949	0.959	0.985	0.991	0.996	0.996	0.998	0.999	0.999	1.000	1.000
2585.0	0.859	0.914	0.941	0.968	0.976	0.984	0.989	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000
2587.5	0.833	0.894	0.927	0.949	0.964	0.980	0.987	0.993	0.995	0.998	0.999	0.999	1.000	1.000	1.000
2590.0	0.782	0.862	0.903	0.932	0.958	0.972	0.982	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2592.5	0.747	0.837	0.886	0.919	0.952	0.967	0.979	0.988	0.993	0.996	0.998	0.999	0.999	1.000	1.000
2595.0	0.747	0.837	0.886	0.919	0.950	0.966	0.978	0.987	0.992	0.995	0.998	0.999	0.999	1.000	1.000
2597.5	0.777	0.858	0.900	0.931	0.958	0.972	0.981	0.989	0.993	0.995	0.998	0.999	0.999	1.000	1.000
2600.0	0.795	0.872	0.911	0.939	0.963	0.975	0.983	0.990	0.993	0.996	0.998	0.999	0.999	1.000	1.000
2602.5	0.771	0.854	0.897	0.932	0.959	0.973	0.982	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000
2605.0	0.716	0.816	0.869	0.907	0.941	0.959	0.971	0.982	0.988	0.992	0.995	0.997	0.998	0.999	1.000
2607.5	0.700	0.805	0.860	0.901	0.937	0.956	0.970	0.982	0.988	0.992	0.995	0.997	0.998	0.999	1.000
2610.0	0.733	0.830	0.878	0.915	0.947	0.964	0.975	0.986	0.991	0.994	0.997	0.998	0.999	1.000	1.000
2612.5	0.783	0.864	0.905	0.934	0.960	0.973	0.982	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000
2615.0	0.781	0.863	0.905	0.933	0.960	0.973	0.982	0.990	0.993	0.996	0.998	0.999	0.999	1.000	1.000
2617.5	0.756	0.844	0.890	0.923	0.952	0.967	0.978	0.988	0.993	0.996	0.998	0.999	0.999	1.000	1.000
2620.0	0.744	0.838	0.886	0.920	0.950	0.965	0.976	0.986	0.992	0.995	0.998	0.998	0.999	0.999	1.000
2622.5	0.730	0.828	0.878	0.915	0.947	0.963	0.974	0.986	0.990	0.993	0.996	0.997	0.999	0.999	1.000
2625.0	0.670	0.782	0.843	0.888	0.929	0.950	0.965	0.978	0.985	0.990	0.994	0.996	0.997	0.998	0.999
2627.5	0.609	0.739	0.811	0.866	0.913	0.939	0.957	0.971	0.982	0.987	0.992	0.995	0.996	0.998	0.999
2630.0	0.636	0.773	0.836	0.882	0.925	0.947	0.963	0.976	0.985	0.990	0.994	0.996	0.997	0.998	0.999
2632.5	0.702	0.809	0.864	0.904	0.939	0.956	0.971	0.983	0.988	0.992	0.996	0.997	0.998	0.999	0.999
2635.0	0.713	0.817	0.871	0.908	0.942	0.960	0.973	0.984	0.989	0.993	0.996	0.998	0.999	0.999	1.000
2637.5	0.716	0.819	0.872	0.910	0.944	0.961	0.974	0.985	0.990	0.993	0.996	0.998	0.999	0.999	1.000
2640.0	0.699	0.808	0.864	0.904	0.940	0.958	0.972	0.983	0.989	0.993	0.996	0.997	0.999	0.999	0.999
2642.5	0.663	0.786	0.852	0.895	0.934	0.952	0.968	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999
2645.0	0.643	0.776	0.845	0.890	0.931	0.949	0.967	0.980	0.987	0.991	0.995	0.997	0.998	0.999	0.999
2647.5	0.658	0.788	0.855	0.898	0.935	0.953	0.969	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999
2650.0	0.704	0.825	0.877	0.913	0.945	0.962	0.974	0.985	0.990	0.993	0.996	0.997	0.998	0.999	0.999
2652.5	0.753	0.864	0.904	0.933	0.957	0.970	0.979	0.988	0.992	0.995	0.997	0.998	0.999	0.999	0.999
2655.0	0.764	0.872	0.911	0.938	0.960	0.972	0.981	0.989	0.993	0.995	0.998	0.998	0.999	0.999	0.999
2657.5	0.765	0.873	0.911	0.938	0.960	0.972	0.981	0.989	0.993	0.995	0.998	0.998	0.999	0.999	0.999
2660.0	0.747	0.860	0.902	0.932	0.956	0.969	0.979	0.988	0.992	0.995	0.997	0.998	0.999	0.999	0.999
2662.5	0.713	0.844	0.897	0.932	0.960	0.973	0.983	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
2665.0	0.717	0.833	0.887	0.924	0.954	0.969	0.980	0.988	0.993	0.995	0.998	0.999	0.999	1.000	1.000
2667.5	0.742	0.852	0.898	0.934	0.959	0.974	0.982	0.990	0.993	0.996	0.998	0.999	0.999	1.000	1.000
2670.0	0.764	0.868	0.908	0.940	0.963	0.976	0.984	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
2672.5	0.779	0.878	0.915	0.945	0.966	0.978	0.985	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000
2675.0	0.779	0.878	0.915	0.945	0.966	0.978	0.985	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000
2677.5	0.756	0.863	0.905	0.938	0.962	0.976	0.984	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
2680.0	0.736	0.848	0.896	0.934	0.959	0.974	0.983	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
2682.5	0.733	0.846	0.897	0.932	0.960	0.973	0.983	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000
2685.0	0.717	0.833	0.887	0.924	0.954	0.969	0.980	0.988	0.993	0.995	0.998	0.999	0.999	1.000	1.000
2687.5	0.692	0.812	0.868	0.909	0.944	0.963	0.976	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000
2690.0	0.693	0.813	0.868	0.909	0.944	0.963	0.976	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000
2692.5	0.724	0.836	0.884	0.919	0.948	0.965	0.977	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000
2695.0	0.764	0.868	0.908	0.940	0.963	0.976	0.984	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
2697.5	0.865	0.936	0.963	0.978	0.988	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2700.0	0.930	0.972	0.983	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2702.5	0.875	0.942	0.968	0.982	0.990	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2705.0	0.774	0.871	0.916	0.953	0.967	0.978	0.986	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2707.5	0.630	0.759	0.827	0.877	0.922	0.945	0.967	0.979	0.988	0.994	0.996	0.998	0.999	0.999	1.000
2710.0	0.502	0.663	0.753	0.822	0.886	0.919	0.943	0.964	0.975	0.983	0.990	0.993	0.995	0.997	0.998
2712.5	0.543	0.698	0.778	0.844	0.901	0.929	0.951	0.970	0.980	0.987	0.992	0.995	0.997	0.998	0.999
2715.0	0.523	0.679	0.766	0.832	0.893	0.924	0.946	0.966	0.976	0.983	0.990	0.993	0.995	0.997	0.998
2717.5	0.484	0.642	0.736	0.808	0.876	0.912	0.936	0.961	0.973	0.981	0.989	0.992	0.995	0.997	0.998
2720.0	0.491	0.648	0.744	0.816	0.883	0.918	0.942	0.964	0.974	0.982	0.989	0.992	0.995	0.997	0.998
2722.5	0.530	0.694	0.781	0.847	0.904	0.934	0.954	0.972	0.981	0.988	0.992	0.995	0.997	0.998	0.999
2725.0	0.594	0.747	0.827	0.882	0.926	0.949	0.966	0.979	0.986	0.991	0.994	0.996	0.998	0.999	0.999
2727.5	0.649	0.788	0.855	0.898	0.935	0.953	0.969	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999
2730.0	0.678	0.808	0.868	0.904	0.939	0.956	0.971	0.983	0.989	0.993	0.996	0.997	0.998	0.999	0.999
2732.5	0.688	0.815	0.874	0.910	0.944	0.961	0.974	0.985	0.990	0.993	0.996	0.998	0.999	0.999	1.000
2735.0	0.678	0.808	0.868	0.904	0.939	0.956	0.971	0.983	0.989	0.993	0.996	0.997	0.998	0.999	0.999
2737.5	0.668	0.801	0.863	0.901	0.938	0.957	0.973	0.985	0.990	0.994	0.996	0.998	0.999	0.999	0.999
2740.0	0.668	0.801	0.863	0.901	0.938	0.957	0.973	0.985	0.990	0.994	0.996	0.998	0.999	0.999	0.999
2742.5	0.683	0.812	0.871	0.907	0.941	0.958	0.973	0.984	0.990	0.993	0.996	0.998	0.999	0.999	0.999
2745.0	0.708	0.831	0.884	0.917	0.946	0.962	0.975	0.985	0.990	0.994	0.996	0.998	0.999	0.999	0.999
2747.5	0.732	0.849	0.896	0.928	0.953	0.967	0.978	0.987	0.992	0.995	0.997	0.998	0.999	0.999	0.999
2750.0	0.750	0.862	0.905	0.934	0.957	0.970	0.979	0.988	0.992	0.995	0.997	0.998	0.999	0.999	0.999
2752.5	0.744	0.858	0.900	0.931	0.958	0.972	0.981	0.989	0.993	0.995	0.998	0.999	0.999	1.000	1.000
2755.0	0.719	0.840	0.891	0.926	0.953	0.968	0.979	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000
2757.5	0.679	0.810	0.871	0.913	0.945	0.963	0.976	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000
2760.0	0.636	0.778	0.842	0.896	0.936	0.956	0.972	0.984	0.990	0.994	0.996	0.998	0.999	0.999	1.000
2762.5	0.603	0.753	0.818	0.884	0.928	0.950	0.968	0.982	0.989	0.993	0.996	0.997	0.998	0.999	0.999
2765.0	0.589	0.743	0.810	0.878	0.924	0.947	0.966	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999
2767.5	0.589	0.743	0.810	0.878	0.924	0.947	0.966	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999
2770.0	0.602	0.753	0.818	0.884	0.928	0.950	0.968	0.982	0.989	0.993	0.996	0.997	0.998	0.999	0.999
2772.5	0.625	0.771	0.831	0.892	0.933	0.954	0.970	0.983	0.990	0.993	0.996	0.998	0.999	0.999	0.999
2775.0	0.654	0.795	0.850	0.904	0.940	0.959	0.973	0.985	0.990	0.994	0.996	0.998	0.999	0.999	0.999
2777.5	0.683	0.818	0.870	0.915	0.947	0.964	0.976	0.986	0.991	0.994	0.997	0.998	0.999	0.999	0.999
2780.0	0.707	0.837	0.886	0.924	0.953	0.968	0.978	0.987	0.992	0.995	0.997	0.998	0.999	0.999	0.999
2782.5	0.722	0.849	0.896	0.932	0.957	0.971	0.980	0.988	0.993	0.995	0.998	0.999	0.999	0.999	0.999
2785.0	0.722	0.849	0.896	0.932	0.957	0.971	0.980	0.988	0.993	0.995	0.998	0.999	0.999	0.999	0.999
2787.5	0.707	0.837	0.886	0.924	0.953	0.968	0.978	0.987	0.992	0.995	0.997	0.998	0.999	0.999	0.999
2790.0	0.683	0.818	0.870	0.915	0.947	0.964	0.976	0.986	0.991	0.994	0.997	0.998	0.999	0.999	0.999
2792.5	0.654	0.795	0.850	0.904	0.940	0.959	0.973	0.985	0.990	0.994	0.996	0.998	0.999	0.999	0.999
2795.0	0.625	0.771	0.831	0.892	0.933	0.954	0.970	0.983	0.990	0.993	0.996	0.998	0.999	0.999	0.999
2797.5	0.602	0.753	0.818	0.884	0.928	0.950	0.968	0.982	0.989	0.993	0.996	0.997	0.998	0.999	0.999
2800.0	0.589	0.743	0.810	0.878	0.924	0.947	0.966	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999
2802.5	0.589	0.743	0.810	0.878	0.924	0.947	0.966	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999
2805.0	0.603	0.753	0.818	0.884	0.928	0.950	0.968	0.982	0.989	0.993	0.996	0.997	0.998	0.999	0.999
2807.5	0.636	0.778	0.842	0.896	0.936	0.956	0.972	0.984	0.990	0.994	0.996	0.998	0.999	0.999	1.000
2810.0	0.679	0.810	0.871	0.913	0.945	0.963	0.976	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000
2812.5	0.719	0.840	0.891	0.926	0.953	0.968	0.979	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000
2815.0	0.744	0.858	0.900	0.931	0.958	0.972	0.981	0.989	0.993	0.995	0.998	0.999	0.999	1.000	1.000
2817.5	0.748	0.860	0.902	0.932	0.956	0.969	0.979	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000
2820.0	0.732	0.849	0.896	0.932	0.957	0.971	0.980	0.988	0.993	0.995	0.998	0.999	0.999	0.999	0.999
2822.5	0.707	0.830	0.882	0.924	0.953	0.968	0.978	0.987	0.992	0.995	0.997	0.998	0.999	0.999	0.999
2825.0	0.683	0.812	0.868	0.915	0.947	0.964	0.976	0.986	0.991	0.994	0.997	0.998	0.999	0.999	0.999
2827.5	0.668	0.801	0.863	0.901	0.938	0.957	0.973	0.985	0.990	0.994	0.996	0.998	0.999	0.999	0.999
2830.0	0.668	0.801	0.863	0.901	0.938	0.957	0.973	0.985	0.990	0.994	0.996	0.998	0.999	0.999	0.999
2832.5	0.683	0.812	0.871	0.907	0.941	0.958	0.973	0.984	0.990	0.993	0.996	0.998	0.999	0.999	0.999
2835.0	0.708	0.831	0.884	0.917	0.946	0.962	0.975	0.985	0.990	0.994	0.996	0.998	0.999	0.999	0.999
2837.5	0.732	0.849	0.896	0.928	0.953	0.967	0.978	0.987	0.992	0.995	0.997	0.998	0.999	0.999	0.999
2840.0	0.750	0.862	0.905	0.934	0.957	0.970	0.979	0.988	0.992	0.995	0.997	0.998	0.999	0.999	0.999
2842.5	0.744	0.858	0.900	0.931	0.958	0.972	0.981	0.989	0.993	0.995	0.998	0.999	0.999	1.000	1.000
2845.0	0.719	0.840	0.891	0.926	0.953	0.968	0.979	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000
2847.5	0.679	0.810	0.871	0.913	0.945	0.963	0.976	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000
2850.0	0.636	0.778	0.842	0.896	0.936	0.956	0.972	0.984	0.990	0.994	0.996	0.998	0.999	0.999	1.000
2852.5	0.603	0.753	0.818	0.884	0.928	0.950	0.968	0.982	0.989	0.993	0.996	0.997	0.998	0.999	0.999
2855.0	0.589	0.743	0.810	0.878	0.924	0.947	0.966	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999
2857.5	0.589	0.743	0.810	0.878	0.924	0.947	0.966	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999
2860.0	0.602	0.753	0.818	0.884	0.928	0.950	0.968	0.982	0.989	0.993	0.996	0.997	0.998	0.999	0.999
2862.5	0.625	0.771	0.831	0.892	0.933	0.954	0.970	0.983	0.990	0.993	0.996	0.998	0.999	0.999	0.999
2865.0	0.654	0.795	0.850	0.904	0.940	0.959	0.973	0.985	0.990	0.994	0.996	0.998	0.999	0.999	0.999
2867.5	0.683	0.818	0.870	0.915	0.947	0.964	0.976	0.986	0.991	0.994	0.997	0.998	0.999	0.999	0.999
2870.0	0.707	0.837	0.886	0.924	0.953	0.968	0.978	0.987	0.992	0.995	0.997	0.998	0.999	0.999	0.999
2872.5	0.722	0.849	0.896	0.932	0.957	0.971	0.980	0.988	0.993	0.995	0.998	0.999	0.999	0.999	0.999
2875.0	0.722	0.849	0.896	0.932	0.957	0.971	0.980	0.988	0.993	0.995	0.998	0.999	0.999	0.999	0.999
2877.5	0.707	0.837	0.886	0.924	0.953	0.968	0.978	0.987	0.992	0.995	0.997	0.998	0.999	0.999	0.999
2880.0	0.683	0.818	0.870	0.915	0.947	0.964	0.976	0.986	0.991	0.994	0.997	0.998	0.999	0.999	0.999
2882.5	0.654	0.795	0.850	0.904	0.940	0.959	0.973	0.985	0.990	0.994	0.996	0.998	0.999	0.999	0.999
2885.0	0.625	0.771	0.831	0.892	0.933	0.954	0.970	0.983	0.990	0.993	0.996	0.998	0.999	0.999	0.999
2887.5	0.602	0.753	0.818	0.884	0.928	0.950	0.968	0.982	0.989	0.993	0.996	0.997	0.998	0.999	0.999
2890.0	0.589	0.743	0.810	0.878	0.924	0.947	0.966	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999
2892.5	0.589	0.743	0.810	0.878	0.924	0.947	0.966	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999
2895.0	0.602	0.753	0.818	0.884	0.928	0.950	0.968	0.982	0.989	0.993	0.996	0.997	0.998	0.999	0.999
2897.5	0.625	0.771	0.831	0.892	0.933	0.954	0.970	0.983	0.990	0.993	0.996	0.998	0.999	0.999	0.999
2900.0	0.654	0.795	0.850	0.904	0.940	0.959	0.973	0.985	0.990	0.994	0.996	0.998	0.999	0.999	0.999
2902.5	0.683	0.818	0.870	0.915	0.947	0.964	0.976	0.986	0.991	0.994	0.997	0.998	0.999	0.999	0.999
2905.0	0.707	0.837	0.886	0.924	0.953	0.968	0.978	0.987	0.992	0.995	0.997	0.998	0.999	0.999	0.999
2907.5	0.722	0.849	0.896	0.932	0.957	0.971	0.980	0.988	0.993	0.995	0.998	0.999	0.999	0.999	0.999
2910.0	0.722	0.849	0.896	0.932	0.957	0.971	0.980	0.988	0.993	0.995	0.998	0.999	0.999	0.999	0.999
2912.5	0.707	0.837	0.886	0.924	0.953	0.968	0.978	0.987	0.992	0.995	0.997	0.998	0.999	0.999	0.999
2915.0	0.683	0.818	0.870	0.915	0.947	0.964	0.976	0.986	0.991	0.994	0.997	0.998	0.999	0.999	0.999
2917.5	0.654	0.795	0.850	0.904	0.940	0.959	0.973	0.985	0.990	0.994	0.996	0.998	0.999	0.999	0.999
2920.0	0.625	0.771	0.831	0.892	0.933	0.954	0.970	0.983	0.990	0.993	0.996	0.998	0.999	0.999	0.999
2922.5	0.602	0.753	0.818	0.884	0.928	0.950	0.968	0.982	0.989	0.993	0.996	0.997	0.998	0.999	0.999
2925.0	0.589	0.743	0.810	0.878	0.924	0.947	0.966	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999
2927.5	0.589	0.743	0.810	0.878	0.924	0.947	0.966	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999
2930.0	0.602	0.753	0.818	0.884	0.928	0.950	0.968	0.982	0.989	0.993	0.996	0.997	0.998	0.999	0.999
2932.5	0.625	0.771	0.831	0.892	0.933	0.954	0.970	0.983	0.990	0.993	0.996	0.998	0.999	0.999	0.999
2935.0	0.654	0.795	0.850	0.904	0.940	0.959	0.973	0.985	0.990	0.994	0.996	0.998	0.999	0.999	0.999
2937.5	0.683	0.818	0.870	0.915	0.947	0.964	0.976	0.986	0.991	0.994	0.997	0.998	0.999	0.999	0.999
2940.0	0.707	0.837	0.886	0.924	0.953	0.968	0.978	0.987	0.992	0.995	0.997	0.998	0.999	0.999	0.999
2942.5	0.722	0.849	0.896	0.932	0.957	0.971	0.980	0.988	0.993	0.995	0.998	0.999	0.999	0.999	0.999
2945.0	0.722	0.849	0.896	0.932	0.957	0.971	0.980	0.988	0.993	0.995	0.998	0.999	0.999	0.999	0.999
2947.5	0.707	0.837	0.886	0.924	0.953	0.968	0.978	0.987	0.992	0.995	0.997	0.998	0.999	0.999	0.999
2950.0	0.683	0.818	0.870	0.915	0.947	0.964	0.976	0.986	0.991	0.994	0.997	0.998	0.999	0.999	0.999
2952.5	0.654	0.795	0.850	0.904	0.940	0.959	0.973	0.985	0.990	0.994	0.996	0.998	0.999	0.999	0.999
2955.0	0.625	0.771	0.831	0.892	0.933	0.954	0.970	0.983	0.990	0.993	0.996	0.998	0.999	0.999	0.999
2957.5	0.602	0.753	0.818	0.884	0.928	0.950	0.968	0.982	0.989	0.993	0.996	0.997	0.998	0.999	0.999
2960.0	0.589	0.743	0.810	0.878	0.924	0.947	0.966	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999
2962.5	0.589	0.743	0.810	0.878	0.924	0.947	0.966	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999
2965.0	0.602	0.753	0.818	0.884	0.928	0.950	0.968	0.982	0.989	0.993	0.996	0.997	0.998	0.999	0.999
2967.5	0.625	0.771	0.831	0.892	0.933	0.954	0.970	0.983	0.990	0.993	0.996	0.998	0.999	0.999	0.999
2970.0	0.654	0.795	0.850	0.904	0.940	0.959	0.973	0.985	0.990	0.994

WATER VAPOR AT 0.01 ATMOSPHERE PRESSURE

T=250° K

FREQ.	UPR CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
991.1	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1000.0	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1002.5	0.996	0.998	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1005.0	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1007.5	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1010.0	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1012.5	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1015.0	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1017.5	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1020.0	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1022.5	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1025.0	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1027.5	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1030.0	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1032.5	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1035.0	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1037.5	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1040.0	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1042.5	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1045.0	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1047.5	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1050.0	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1052.5	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1055.0	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1057.5	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1060.0	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1062.5	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1065.0	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1067.5	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1070.0	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1072.5	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1075.0	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1077.5	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1080.0	0.998	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1082.5	0.998	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1085.0	0.998	0.998	0.998	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1087.5	0.998	0.998	0.998	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1090.0	0.998	0.998	0.998	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1092.5	0.998	0.998	0.998	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1095.0	0.998	0.998	0.998	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1097.5	0.998	0.998	0.998	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1100.0	0.998	0.998	0.998	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1102.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1105.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1107.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1110.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1112.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1115.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1117.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1120.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1122.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1125.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1127.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1130.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1132.5	0.996	0.997	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1135.0	0.996	0.997	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1137.5	0.996	0.997	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1140.0	0.996	0.997	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1142.5	0.996	0.997	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1145.0	0.996	0.997	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1147.5	0.996	0.997	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1150.0	0.996	0.997	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1152.5	0.996	0.997	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1155.0	0.996	0.997	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1157.5	0.996	0.997	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1160.0	0.996	0.997	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1162.5	0.996	0.997	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1165.0	0.996	0.997	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1167.5	0.996	0.997	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1170.0	0.996	0.997	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1172.5	0.996	0.997	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1175.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1177.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1180.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1182.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1185.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1187.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1190.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1192.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1195.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1197.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1200.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1202.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1205.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1207.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1210.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1212.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1215.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1217.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1220.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1222.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1225.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1227.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1230.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1232.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1235.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1237.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1240.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1242.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1245.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1247.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1250.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1252.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1255.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1257.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1260.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1262.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1265.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1267.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1270.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1272.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1275.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1277.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1280.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1282.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1285.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1287.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1290.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1292.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1295.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1297.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1300.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1302.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1305.0	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1307.5	0.997	0.998	0.998	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

FREQ.	UPR CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1310.0	0.197	0.562	0.843	0.744	0.830	0.877	0.511	0.944	0.961	0.973	0.984	0.989	0.163	0.337	0.490
1312.5	0.239	0.601	0.852	0.660	0.755	0.820	0.669	0.916	0.941	0.959	0.975	0.983	0.187	0.394	0.559
1315.0	0.169	0.592	0.871	0.593	0.721	0.795	0.851	0.904	0.932	0.954	0.971	0.980	0.197	0.452	0.595
1317.5	0.192	0.570	0.862	0.554	0.740	0.809	0.862	0.911	0.935	0.956	0.973	0.982	0.196	0.421	0.582
1320.0	0.228	0.574	0.856	0.606	0.767	0.853	0.894	0.932	0.952	0.967	0.980	0.986	0.191	0.444	0.616
1322.5	0.182	0.565	0.876	0.759	0.841	0.886	0.919	0.948	0.964	0.975	0.985	0.990	0.111	0.236	0.344
1325.0	0.156	0.555	0.874	0.796	0.864	0.902	0.930	0.953	0.969	0.979	0.988	0.992	0.102	0.205	0.313
1327.5	0.155	0.535	0.735	0.809	0.876	0.912	0.938	0.961	0.973	0.981	0.989	0.993	0.096	0.198	0.298
1330.0	0.161	0.533	0.715	0.809	0.878	0.917	0.940	0.962	0.974	0.983	0.990	0.993	0.096	0.198	0.298
1332.5	0.186	0.574	0.826	0.771	0.851	0.893	0.926	0.952	0.967	0.977	0.987	0.991	0.097	0.207	0.321
1335.0	0.245	0.415	0.540	0.464	0.757	0.821	0.878	0.916	0.940	0.958	0.975	0.983	0.989	0.993	0.996
1337.5	0.102	0.237	0.361	0.485	0.631	0.722	0.784	0.865	0.903	0.931	0.957	0.970	0.986	0.968	0.992
1340.0	0.073	0.201	0.327	0.456	0.610	0.705	0.782	0.857	0.897	0.929	0.954	0.968	0.978	0.987	0.991
1342.5	0.261	0.468	0.556	0.615	0.737	0.795	0.868	0.901	0.925	0.944	0.965	0.978	0.985	0.991	0.995
1345.0	0.376	0.562	0.673	0.761	0.843	0.887	0.919	0.948	0.964	0.975	0.985	0.990	0.993	0.995	0.997
1347.5	0.451	0.649	0.753	0.828	0.891	0.927	0.944	0.966	0.976	0.984	0.990	0.993	0.994	0.997	0.998
1350.0	0.364	0.568	0.687	0.772	0.857	0.898	0.928	0.954	0.968	0.978	0.985	0.991	0.995	0.998	0.998
1352.5	0.376	0.529	0.653	0.760	0.847	0.894	0.926	0.953	0.968	0.978	0.985	0.990	0.995	0.998	0.998
1355.0	0.250	0.344	0.453	0.642	0.797	0.855	0.895	0.933	0.953	0.967	0.980	0.987	0.993	0.997	0.998
1357.5	0.167	0.320	0.458	0.586	0.715	0.781	0.848	0.902	0.930	0.951	0.970	0.980	0.987	0.993	0.996
1360.0	0.068	0.198	0.333	0.462	0.596	0.672	0.773	0.850	0.892	0.923	0.952	0.967	0.978	0.987	0.991
1362.5	0.053	0.151	0.268	0.381	0.544	0.636	0.743	0.832	0.880	0.915	0.945	0.962	0.975	0.985	0.990
1365.0	0.082	0.217	0.342	0.470	0.634	0.732	0.788	0.855	0.898	0.927	0.954	0.968	0.978	0.986	0.990
1367.5	0.119	0.261	0.378	0.532	0.677	0.765	0.813	0.866	0.903	0.931	0.956	0.969	0.978	0.986	0.990
1370.0	0.125	0.257	0.372	0.606	0.739	0.813	0.845	0.914	0.939	0.957	0.973	0.982	0.987	0.992	0.995
1372.5	0.084	0.207	0.346	0.488	0.644	0.736	0.907	0.875	0.910	0.936	0.960	0.972	0.981	0.988	0.992
1375.0	0.055	0.153	0.269	0.384	0.548	0.644	0.763	0.844	0.887	0.919	0.949	0.964	0.976	0.985	0.990
1377.5	0.035	0.142	0.268	0.424	0.574	0.674	0.763	0.844	0.887	0.919	0.949	0.964	0.976	0.985	0.990
1380.0	0.120	0.281	0.432	0.560	0.692	0.778	0.836	0.894	0.926	0.946	0.966	0.976	0.984	0.991	0.994
1382.5	0.176	0.324	0.477	0.596	0.717	0.797	0.859	0.907	0.935	0.953	0.971	0.980	0.987	0.992	0.995
1385.0	0.133	0.331	0.451	0.576	0.708	0.786	0.843	0.898	0.928	0.948	0.968	0.978	0.985	0.991	0.994
1387.5	0.065	0.151	0.274	0.410	0.578	0.682	0.766	0.846	0.896	0.931	0.961	0.974	0.977	0.986	0.991
1390.0	0.044	0.116	0.231	0.384	0.556	0.667	0.760	0.844	0.895	0.931	0.961	0.974	0.977	0.986	0.991
1392.5	0.054	0.144	0.272	0.458

WATER VAPOR AT 0.01 ATMOSPHERE PRESSURE

T=250° K

FREQ.	UPR.CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1935.0	0.306	0.546	0.715	0.818	0.898	0.933	0.966	0.986	0.993	0.998	0.999	0.999	0.999	1.000	1.000
1937.5	0.271	0.540	0.693	0.805	0.723	0.793	0.967	0.900	0.928	0.998	0.999	0.999	0.999	1.000	1.000
1940.0	0.100	0.210	0.309	0.419	0.563	0.662	0.765	0.829	0.875	0.910	0.962	0.959	0.971	0.992	0.998
1942.5	0.016	0.081	0.177	0.301	0.175	0.594	0.495	0.706	0.791	0.843	0.947	0.964	0.979	0.995	0.999
1945.0	0.029	0.129	0.250	0.398	0.536	0.667	0.753	0.837	0.883	0.916	0.966	0.962	0.973	0.993	0.999
1947.5	0.165	0.331	0.470	0.597	0.730	0.804	0.860	0.910	0.936	0.955	0.977	0.980	0.986	0.997	0.999
1950.0	0.239	0.435	0.570	0.682	0.792	0.851	0.894	0.933	0.953	0.967	0.979	0.985	0.990	0.998	0.999
1952.5	0.327	0.549	0.679	0.775	0.859	0.901	0.931	0.957	0.970	0.976	0.987	0.991	0.994	0.998	0.999
1955.0	0.344	0.561	0.685	0.777	0.859	0.901	0.930	0.956	0.969	0.976	0.987	0.991	0.994	0.998	0.999
1957.5	0.370	0.585	0.707	0.795	0.872	0.911	0.938	0.961	0.973	0.981	0.988	0.992	0.995	0.998	0.999
1960.0	0.397	0.619	0.736	0.822	0.893	0.927	0.949	0.969	0.978	0.985	0.991	0.994	0.996	0.999	0.999
1962.5	0.392	0.643	0.570	0.676	0.786	0.863	0.886	0.927	0.948	0.963	0.977	0.981	0.988	0.998	0.999
1965.0	0.351	0.300	0.425	0.545	0.681	0.763	0.825	0.886	0.916	0.941	0.969	0.971	0.981	0.997	0.999
1967.5	0.210	0.352	0.465	0.576	0.702	0.777	0.836	0.892	0.922	0.943	0.969	0.973	0.982	0.998	0.999
1970.0	0.191	0.345	0.466	0.767	0.829	0.875	0.909	0.941	0.958	0.970	0.983	0.987	0.991	0.998	0.999
1972.5	0.571	0.766	0.874	0.907	0.948	0.966	0.977	0.987	0.991	0.994	0.998	0.998	0.998	0.999	0.999
1975.0	0.589	0.768	0.851	0.901	0.943	0.963	0.974	0.984	0.990	0.993	0.996	0.997	0.998	0.999	0.999
1977.5	0.642	0.811	0.879	0.919	0.952	0.967	0.978	0.987	0.991	0.994	0.998	0.998	0.998	0.999	0.999
1980.0	0.667	0.843	0.902	0.939	0.965	0.977	0.985	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
1982.5	0.647	0.822	0.896	0.940	0.969	0.981	0.988	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000
1985.0	0.426	0.645	0.797	0.836	0.901	0.933	0.954	0.972	0.981	0.987	0.992	0.995	0.996	0.998	0.999
1987.5	0.224	0.400	0.526	0.637	0.752	0.818	0.868	0.915	0.939	0.957	0.977	0.981	0.986	0.997	0.999
1990.0	0.084	0.180	0.300	0.410	0.549	0.650	0.770	0.868	0.911	0.932	0.970	0.965	0.975	0.994	0.998
1992.5	0.043	0.148	0.267	0.400	0.546	0.672	0.776	0.859	0.898	0.931	0.971	0.963	0.973	0.993	0.998
1995.0	0.134	0.293	0.423	0.544	0.682	0.763	0.826	0.886	0.918	0.942	0.969	0.970	0.980	0.997	0.999
1997.5	0.265	0.472	0.609	0.717	0.838	0.873	0.909	0.943	0.960	0.972	0.982	0.988	0.991	0.995	0.998
2000.0	0.410	0.629	0.770	0.847	0.908	0.937	0.957	0.973	0.982	0.988	0.992	0.995	0.996	0.998	0.999
2002.5	0.442	0.673	0.803	0.877	0.930	0.955	0.972	0.984	0.989	0.992	0.995	0.996	0.997	0.999	0.999
2005.0	0.462	0.703	0.868	0.910	0.944	0.962	0.974	0.984	0.989	0.992	0.995	0.997	0.998	0.999	0.999
2007.5	0.509	0.676	0.762	0.834	0.894	0.924	0.946	0.967	0.977	0.984	0.993	0.995	0.997	0.998	0.999
2010.0	0.432	0.623	0.731	0.808	0.878	0.911	0.940	0.963	0.974	0.982	0.989	0.992	0.995	0.997	0.998
2012.5	0.349	0.531	0.653	0.746	0.834	0.882	0.916	0.947	0.963	0.974	0.984	0.989	0.992	0.995	0.997
2015.0	0.257	0.425	0.557	0.652	0.764	0.827	0.876	0.923	0.947	0.964	0.979	0.984	0.989	0.995	0.997
2017.5	0.165	0.310	0.475	0.586	0.725	0.798	0.851	0.903	0.933	0.952	0.970	0.978	0.985	0.993	0.998
2020.0	0.100	0.210	0.367	0.494	0.676	0.765	0.830	0.890	0.920	0.943	0.969	0.973	0.982	0.997	0.999
2022.5	0.467	0.661	0.751	0.797	0.868	0.906	0.934	0.960	0.971	0.980	0.989	0.992	0.994	0.997	0.999
2025.0	0.478	0.659	0.755	0.826	0.890	0.922	0.945	0.965	0.976	0.983	0.990	0.993	0.995	0.998	0.999
2027.5	0.591	0.751	0.804	0.860	0.910	0.936	0.955	0.972	0.980	0.986	0.991	0.994	0.996	0.998	0.999
2030.0	0.707	0.823	0.871	0.916	0.946	0.959	0.972	0.982	0.987	0.990	0.994	0.995	0.997	0.999	0.999
2032.5	0.751	0.857	0.903	0.934	0.959	0.972	0.981	0.988	0.992	0.994	0.997	0.998	0.998	0.999	0.999
2035.0	0.662	0.798	0.860	0.903	0.940	0.958	0.971	0.983	0.988	0.992	0.996	0.997	0.998	0.999	1.000
2037.5	0.494	0.664	0.773	0.857	0.923	0.949	0.969	0.982	0.988	0.992	0.996	0.997	0.998	0.999	1.000
2040.0	0.334	0.500	0.621	0.705	0.802	0.855	0.895	0.933	0.952	0.966	0.979	0.984	0.989	0.997	0.999
2042.5	0.283	0.458	0.579	0.681	0.785	0.843	0.888	0.931	0.952	0.967	0.980	0.985	0.990	0.997	0.999
2045.0	0.459	0.615	0.706	0.781	0.855	0.894	0.924	0.951	0.965	0.975	0.985	0.988	0.992	0.997	0.999
2047.5	0.708	0.817	0.873	0.911	0.945	0.961	0.973	0.983	0.988	0.992	0.996	0.997	0.998	0.999	1.000
2050.0	0.841	0.911	0.944	0.968	0.980	0.987	0.991	0.995	0.997	0.998	0.999	0.999	0.999	1.000	1.000
2052.5	0.886	0.944	0.968	0.984	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2055.0	0.841	0.924	0.953	0.970	0.983	0.988	0.993	0.996	0.997	0.999	1.000	1.000	1.000	1.000	1.000
2057.5	0.684	0.824	0.893	0.933	0.969	0.978	0.988	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2060.0	0.474	0.623	0.714	0.786	0.858	0.897	0.926	0.951	0.967	0.977	0.988	0.990	0.993	0.996	0.997
2062.5	0.296	0.432	0.552	0.657	0.767	0.829	0.877	0.921	0.944	0.960	0.975	0.982	0.986	0.995	0.997
2065.0	0.218	0.344	0.453	0.554	0.681	0.756	0.827	0.894	0.928	0.953	0.977	0.981	0.988	0.997	0.999
2067.5	0.197	0.311	0.427	0.526	0.664	0.744	0.818	0.884	0.920	0.946	0.973	0.978	0.986	0.997	0.999
2070.0	0.250	0.385	0.490	0.595	0.731	0.811	0.880	0.933	0.956	0.969	0.981	0.987	0.991	0.998	0.999
2072.5	0.680	0.803	0.861	0.902	0.939	0.957	0.970	0.981	0.987	0.991	0.995	0.996	0.997	0.999	0.999
2075.0	0.736	0.858	0.895	0.928	0.948	0.963	0.974	0.984	0.989	0.992	0.995	0.997	0.998	0.999	0.999
2077.5	0.738	0.858	0.895	0.928	0.948	0.963	0.974	0.984	0.989	0.992	0.995	0.997	0.998	0.999	0.999
2080.0	0.708	0.837	0.880	0.918	0.942	0.960	0.972	0.983	0.988	0.992	0.995	0.997	0.998	0.999	0.999
2082.5	0.766	0.867	0.900	0.930	0.957	0.970	0.979	0.987	0.991	0.994	0.997	0.998	0.999	0.999	1.000
2085.0	0.723	0.826	0.877	0.913	0.944	0.962	0.974	0.985	0.989	0.993	0.996	0.997	0.998	0.999	0.999
2087.5	0.633	0.777	0.838	0.884	0.926	0.949	0.967	0.980	0.986	0.991	0.995	0.996	0.997	0.999	0.999
2090.0	0.533	0.614	0.711	0.787	0.881	0.920	0.953	0.975	0.983	0.989	0.994	0.995	0.997	0.999	0.999
2092.5	0.494	0.641	0.731	0.805	0.900	0.943	0.970	0.984	0.990	0.994	0.997	0.998	0.998	0.999	0.999
2095.0	0.494	0.641	0.731	0.805	0.900	0.943	0.970	0.984	0.990	0.994	0.997	0.998	0.998	0.999	0.999
2097.5	0.776	0.882	0.924	0.953	0.958	0.971	0.980	0.987	0.991	0.994	0.997	0.998	0.999	1.000	1.000
2100.0	0.760	0.870	0.908	0.936	0.960	0.972	0.980	0.988	0.992	0.995	0.998	0.998	0.999	1.000	1.000
2102.5	0.742	0.863	0.902	0.933	0.958	0.971	0.980	0.988	0.992	0.995	0.998	0.998	0.999	1.000	1.000
2105.0	0.672	0.784	0.843	0.887	0.928	0.949	0.964	0.978	0.985	0.990	0.995	0.997	0.998	0.999	1.000
2107.5	0.759	0.858	0.903	0.934	0.959	0.972	0.981	0.988	0.992	0.995	0.998	0.998	0.999	1.000	1.000
2110.0	0.694	0.800	0.855	0.896	0.934	0.953	0.967	0.980	0.986	0.990	0.994	0.996	0.997	0.999	1.000
2112.5	0.691	0.788	0.844	0.888	0.929	0.950	0.965	0.978	0.985	0.990	0.994	0.996	0.997	0.999	1.000
2115.0	0.691	0.794	0.850	0.894	0.932	0.952	0.966	0.979	0.986	0.990	0.994	0.996	0.997	0.999	1.000
2117.5	0.764	0.858	0.898	0.927	0.950	0.965	0.976	0.984	0.989	0.992	0.995	0.997	0.998	0.999	1.000
2120.0	0.814	0.883	0.917	0.941	0.963	0.974	0.982	0.989	0.992	0.995	0.997	0.998	0.999	1.000	1.000
2122.5	0.745	0.838	0.881	0.915	0.944	0.962	0.973	0.983	0.988	0.992	0.995	0.997	0.998	0.999	1.000
2125.0	0.741	0.831	0.877	0.913	0.942	0.961	0.972	0.983	0.988	0.992	0.995	0.997	0.998	0.999	1.000
2127.5	0.811	0.880	0.914	0.939	0.962	0.973	0.981	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000
2130.0	0.886	0.933	0.955	0.971	0.982	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
2132.5	0.778	0.851	0.891	0.921	0.944	0.964	0.975	0.984	0.989	0.992	0.995	0.997	0.998	0.999	1.000
2135.0	0.582	0.701	0.775	0.834	0.891	0.923	0.944	0.965	0.975	0.983	0.989	0.993	0.995	0.997	0.998
2137.5	0.499	0.644	0.733	0.803	0.875	0.917	0.942	0.963	0.974	0.982	0.989	0.992	0.995	0.997	0.998
2140.0	0.618	0.760	0.832	0.885	0.925	0.947	0.964	0.978	0.985	0.990	0.994	0.996	0.997	0.999	0.999
2142.5	0.721	0.819	0.869	0.907	0.941	0.958	0.971	0.982	0.987	0.992	0.995	0.997	0.998	0.999	1.000
2145.0	0.724	0.819	0.868	0.906	0.941	0.958	0.971	0.982	0.987	0.992	0.995	0.997	0.998	0.999	1.000
2147.5	0.751	0.836	0.882	0.915	0.947	0.962	0.973	0.983	0.988	0.992	0.995	0.997	0.998	0.999	1.000
2150.0	0.781	0.857	0.898	0.927	0.951	0.968	0.977	0.986	0.991	0.994	0.996	0.998	0.999	0.999	1.000
2152.5	0.773	0.851	0.894	0.926	0.951	0.968	0.977	0.986	0.991	0.994	0.996	0.998	0.999	0.999	1.000
2155.0	0.716	0.815	0.864	0.902	0.937	0.956	0.973	0.984	0.990	0.994	0.996	0.998	0.999	0.999	1.000
2157.5	0.678	0.778	0.828	0.869	0.907	0.929	0.958	0.978	0.986	0.992	0.995	0.997	0.998	0.999	1.000
2160.0	0.753	0.839	0.884	0.917	0.947	0.963	0.974	0.984	0.989	0.992	0.995	0.997	0.998	0.999	1.000
2162.5	0.774	0.853	0.896	0.924	0.952	0.966	0.976	0.985	0.990	0.993	0.996	0.997	0.998	0.999	1.000
2165.0	0.807	0.880	0.920	0.941	0.964	0.974	0.982	0.989	0.992	0.995	0.997	0.998	0.999	1.000	1.000
2167.5	0.822	0.892	0.928	0.947	0.966	0.976	0.984	0.990	0.993	0.996	0.997	0.998	0.999	1.000	1.000
2170.0	0.877	0.921	0.944	0.961	0.973	0.980	0.988	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000
2172.5	0.889	0.929	0.950	0.965	0.978	0.985	0.989	0.995	0.997	0.998	0.999	0.999	0.999	1.000	1.000
2175.0	0.926	0.948	0.965	0.976	0.984	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000
2177.5	0.914	0.942	0.958	0.972	0.980	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2180.0	0.914	0.942	0.958	0.972	0.980	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2182.5	0.892	0.931	0.951	0.966	0.979	0.985	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2185.0	0.797	0.867	0.905	0.932	0.957	0.969	0.979	0.987	0.991	0.994	0.997	0.998	0.999	1.000	1.000
2187.5	0.827	0.887	0.919	0.942	0.963	0.974	0.982	0.989	0.992	0.995	0.997	0.998	0.999	1.000	1.000
2190.0	0.829	0.887	0.919	0.942	0.963	0.974	0.982	0.989	0.992	0.995	0.997	0.998	0.999	1.000	1.000
2192.5	0.931	0.970	0.979	0.983	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2195.0	0.931	0.970	0.979	0.983	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2197.5	0.936	0.960	0.972	0.981	0.988	0.992	0.994	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2200.0	0.905	0.940	0.958	0.971	0.982	0.987	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2202.5	0.865	0.910	0.936	0.955	0.973	0.982	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2205.0	0.803	0.872	0.909	0.935	0.959	0.971	0.980	0.988	0.992	0.996	0.997	0.998	0.999	1.000	1.000
2207.5	0.768	0.846	0.891	0.923	0.951	0.965	0.976	0.986	0.991	0.994	0.997	0.998	0.999	1.000	1.000
2210.0	0.765	0.846	0.899	0.921	0.950	0.965	0.975	0.985	0.990	0.993	0.996	0.998	0.999	0.999	1.000
2212.5	0.805	0.876	0.917	0.943	0.963	0.976	0.984	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
2215.0	0.903	0.937	0.955	0.968	0.980	0.986	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000
2217.5	0.943	0.962	0.973	0.980	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2220.0	0.972	0.985	0.989	0.993	0.994	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2222.5	0.957	0.960	0.972	0.981	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2225.0	0.923	0.954	0.972	0.982	0.988	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2227.5	0.872	0.918	0.942	0.959	0.976	0.982	0.988	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000
2230.0	0.842	0.901	0.931	0.953	0.972	0.982	0.988	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000
2232.5	0.842	0.901	0.931	0.953	0.972	0.982	0.988	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000
2235.0	0.906	0.940	0.958	0.970	0.981	0.987	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
2237.5	0.939	0.961	0.973	0.981	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2240.0	0.952	0.970	0.980	0.986	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2242.5	0.972	0.983	0.989	0.993	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2245.0	0.963	0.977	0.985	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000

FREQ.	UPR.CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
2240.0	0.974	0.987	0.991	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2242.5	0.978	0.989	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2245.0	0.993	0.994	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2247.5	0.992	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2250.0	0.927	0.955	0.969	0.979	0.987	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2252.5	0.929	0.956	0.969	0.979	0.987	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2255.0	0.963	0.976	0.984	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2257.5	0.951	0.970	0.979	0.986	0.991	0.994	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2260.0	0.967	0.977	0.984	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2262.5	0.971	0.982	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2265.0	0.983	0.990	0.993	0.996	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2267.5	0.969	0.981	0.987	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2270.0	0.953	0.971	0.980	0.986	0.992	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2272.5	0.967	0.977	0.984	0.989	0.993	0.995	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2275.0	0.957	0.973	0.982	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2277.5	0.963	0.979	0.986	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2280.0	0.958	0.975	0.983	0.988	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2282.5	0.958	0.974	0.982	0.988	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2285.0	0.964	0.978	0.986	0.991	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2287.5	0.972	0.984	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2290.0	0.966	0.980	0.987	0.992	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2292.5	0.961	0.976	0.984	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2295.0	0.958	0.975	0.983	0.988	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2297.5	0.962	0.977	0.985	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2300.0	0.966	0.979	0.986	0.991	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2302.5	0.964	0.978	0.985	0.990	0.994	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2305.0	0.968	0.981	0.987	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2307.5	0.973	0.983	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2310.0	0.982	0.989	0.993	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2312.5	0.981	0.989	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2315.0	0.975	0.985	0.990	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2317.5	0.975	0.985	0.990	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2320.0	0.977	0.986	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2322.5	0.981	0.988	0.992

WATER VAPOR AT 0.01 ATMOSPHERE PRESSURE

T = 250° K

U[PR.CM.]

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
2872.5	0.867	0.916	0.943	0.958	0.976	0.983	0.988	0.991	0.994	0.996	0.998	0.999	1.000	1.000	1.000
2875.0	0.823	0.887	0.919	0.945	0.969	0.978	0.986	0.992	0.994	0.996	0.998	0.999	1.000	1.000	1.000
2877.5	0.803	0.871	0.909	0.936	0.960	0.972	0.981	0.989	0.993	0.996	0.998	0.999	1.000	1.000	1.000
2880.0	0.830	0.891	0.922	0.945	0.966	0.976	0.984	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000
2882.5	0.881	0.927	0.948	0.964	0.978	0.984	0.989	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000
2885.0	0.901	0.939	0.957	0.970	0.982	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
2887.5	0.879	0.924	0.946	0.963	0.977	0.985	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000
2890.0	0.841	0.901	0.928	0.950	0.969	0.979	0.986	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2892.5	0.823	0.887	0.919	0.943	0.964	0.975	0.984	0.991	0.994	0.996	0.998	0.999	1.000	1.000	1.000
2895.0	0.837	0.895	0.924	0.945	0.965	0.975	0.983	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000
2897.5	0.839	0.897	0.928	0.949	0.969	0.979	0.986	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000
2900.0	0.854	0.908	0.935	0.954	0.973	0.981	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000
2902.5	0.835	0.894	0.925	0.946	0.967	0.977	0.985	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000
2905.0	0.766	0.847	0.905	0.933	0.957	0.970	0.979	0.987	0.991	0.994	0.996	0.998	0.999	1.000	1.000
2907.5	0.781	0.858	0.899	0.928	0.955	0.968	0.978	0.986	0.991	0.994	0.996	0.998	0.999	0.999	1.000
2910.0	0.808	0.877	0.913	0.939	0.962	0.973	0.982	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000
2912.5	0.845	0.902	0.932	0.952	0.971	0.980	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000
2915.0	0.845	0.902	0.931	0.952	0.970	0.980	0.986	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000
2917.5	0.842	0.898	0.928	0.948	0.967	0.976	0.985	0.990	0.993	0.996	0.997	0.998	0.999	1.000	1.000
2920.0	0.817	0.884	0.918	0.942	0.964	0.975	0.985	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000
2922.5	0.807	0.877	0.913	0.938	0.961	0.973	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000
2925.0	0.798	0.872	0.911	0.936	0.959	0.972	0.981	0.987	0.991	0.994	0.996	0.998	0.999	0.999	1.000
2927.5	0.731	0.810	0.863	0.902	0.937	0.956	0.969	0.981	0.987	0.991	0.994	0.996	0.997	0.998	0.999
2930.0	0.747	0.825	0.881	0.915	0.946	0.962	0.972	0.984	0.989	0.992	0.995	0.997	0.998	0.999	0.999
2932.5	0.785	0.863	0.903	0.931	0.956	0.969	0.979	0.985	0.991	0.994	0.996	0.998	0.999	0.999	1.000
2935.0	0.796	0.869	0.907	0.934	0.958	0.971	0.980	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000
2937.5	0.797	0.871	0.909	0.935	0.959	0.972	0.980	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000
2940.0	0.787	0.865	0.905	0.931	0.956	0.969	0.979	0.987	0.991	0.994	0.996	0.998	0.999	0.999	1.000
2942.5	0.739	0.831	0.879	0.914	0.945	0.962	0.973	0.984	0.989	0.992	0.995	0.997	0.998	0.999	0.999
2945.0	0.736	0.826	0.874	0.911	0.943	0.960	0.972	0.983	0.988	0.992	0.995	0.997	0.998	0.999	0.999
2947.5	0.632	0.756	0.824	0.874	0.918	0.943	0.960	0.975	0.985	0.988	0.992	0.995	0.998	0.999	0.999
2950.0	0.635	0.756	0.824	0.874	0.919	0.943	0.960	0.975	0.985	0.988	0.993	0.995	0.998	0.999	0.999
2952.5	0.644	0.762	0.829	0.880	0.924	0.947	0.963	0.976	0.986	0.989	0.993	0.995	0.998	0.999	0.999
2955.0	0.668	0.784	0.845	0.889	0.930	0.950	0.965	0.978	0.986	0.990	0.994	0.996	0.998	0.999	0.999
2957.5	0.685	0.796	0.853	0.897	0.935	0.954	0.968	0.980	0.988	0.991	0.994	0.996	0.998	0.999	0.999
2960.0	0.744	0.842	0.889	0.922	0.951	0.966	0.977	0.986	0.990	0.993	0.995	0.997	0.998	0.999	0.999
2962.5	0.692	0.795	0.858	0.898	0.935	0.954	0.968	0.980	0.988	0.991	0.994	0.996	0.998	0.999	0.999
2965.0	0.653	0.771	0.835	0.882	0.925	0.947	0.963	0.977	0.986	0.989	0.994	0.996	0.998	0.999	0.999
2967.5	0.665	0.783	0.844	0.890	0.930	0.951	0.966	0.979	0.986	0.990	0.994	0.996	0.998	0.999	0.999
2970.0	0.665	0.783	0.844	0.890	0.930	0.951	0.966	0.979	0.986	0.990	0.994	0.996	0.998	0.999	0.999
2972.5	0.589	0.718	0.793	0.848	0.902	0.930	0.951	0.969	0.978	0.985	0.991	0.993	0.996	0.998	0.999
2975.0	0.573	0.693	0.771	0.831	0.890	0.922	0.945	0.965	0.977	0.985	0.990	0.993	0.996	0.998	0.999
2977.5	0.578	0.703	0.784	0.842	0.898	0.927	0.948	0.967	0.978	0.986	0.990	0.993	0.996	0.998	0.999
2980.0	0.760	0.855	0.896	0.928	0.954	0.967	0.976	0.985	0.990	0.993	0.996	0.998	0.999	0.999	1.000
2982.5	0.823	0.895	0.930	0.952	0.971	0.981	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000
2985.0	0.909	0.944	0.962	0.976	0.987	0.992	0.994	0.996	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2987.5	0.903	0.938	0.959	0.972	0.984	0.989	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000
2990.0	0.917	0.947	0.965	0.977	0.986	0.991	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
2992.5	0.940	0.959	0.973	0.982	0.989	0.993	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000
2995.0	0.941	0.960	0.973	0.982	0.989	0.993	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000
2997.5	0.920	0.940	0.956	0.969	0.982	0.989	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3000.0	0.904	0.938	0.960	0.974	0.986	0.992	0.994	0.996	0.998	0.998	0.999	0.999	1.000	1.000	1.000
3002.5	0.939	0.955	0.969	0.980	0.988	0.992	0.994	0.996	0.998	0.998	0.999	0.999	1.000	1.000	1.000
3005.0	0.940	0.956	0.969	0.980	0.988	0.992	0.994	0.996	0.998	0.998	0.999	0.999	1.000	1.000	1.000
3007.5	0.731	0.826	0.876	0.912	0.944	0.960	0.972	0.983	0.988	0.992	0.995	0.997	0.998	0.999	0.999
3010.0	0.629	0.764	0.831	0.892	0.938	0.962	0.977	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000
3012.5	0.653	0.775	0.835	0.891	0.936	0.960	0.976	0.986	0.991	0.994	0.996	0.998	0.999	0.999	1.000
3015.0	0.644	0.766	0.831	0.889	0.935	0.960	0.976	0.985	0.990	0.994	0.996	0.998	0.999	0.999	1.000
3017.5	0.606	0.735	0.807	0.866	0.917	0.945	0.967	0.980	0.988	0.992	0.995	0.997	0.998	0.999	0.999
3020.0	0.743	0.833	0.875	0.905	0.933	0.956	0.970	0.979	0.987	0.991	0.994	0.996	0.997	0.998	0.999
3022.5	0.870	0.947	0.959	0.968	0.981	0.986	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000
3025.0	0.928	0.950	0.929	0.924	0.868	0.869	0.907	0.941	0.958	0.971	0.982	0.987	0.992	0.995	0.997
3027.5	0.928	0.950	0.929	0.924	0.868	0.869	0.907	0.941	0.958	0.971	0.982	0.987	0.992	0.995	0.997
3030.0	0.782	0.947	0.975	0.985	0.968	0.944	0.929	0.950	0.964	0.974	0.984	0.989	0.993	0.996	0.998
3032.5	0.985	0.994	0.991	0.981	0.954	0.918	0.905	0.932	0.952	0.968	0.980	0.987	0.992	0.995	0.997
3035.0	0.163	0.328	0.461	0.581	0.712	0.787	0.861	0.909	0.938	0.960	0.977	0.984	0.990	0.993	0.996
3037.5	0.241	0.325	0.421	0.709	0.850	0.933	0.893	0.930	0.956	0.969	0.977	0.986	0.990	0.993	0.996
3040.0	0.242	0.357	0.522	0.670	0.826	0.920	0.893	0.930	0.956	0.969	0.977	0.986	0.990	0.993	0.996
3042.5	0.249	0.324	0.494	0.640	0.793	0.896	0.933	0.951	0.968	0.977	0.986	0.990	0.993	0.996	0.998
3045.0	0.740	0.840	0.888	0.922	0.952	0.966	0.976	0.985	0.990	0.993	0.996	0.998	0.999	0.999	1.000
3047.5	0.631	0.756	0.824	0.873	0.919	0.943	0.960	0.975	0.985	0.988	0.992	0.995	0.998	0.999	0.999
3050.0	0.644	0.767	0.829	0.879	0.923	0.946	0.963	0.976	0.986	0.989	0.993	0.995	0.998	0.999	0.999
3052.5	0.702	0.816	0.872	0.911	0.945	0.962	0.971	0.984	0.989	0.992	0.995	0.997	0.998	0.999	0.999
3055.0	0.672	0.793	0.855	0.898	0.934	0.954	0.969	0.982	0.988	0.992	0.995	0.997	0.998	0.999	0.999
3057.5	0.517	0.673	0.762	0.829	0.893	0.922	0.945	0.966	0.976	0.985	0.990	0.993	0.996	0.998	0.999
3060.0	0.183	0.355	0.751	0.621	0.884	0.919	0.961	0.964	0.973	0.982	0.989	0.992	0.996	0.997	0.998
3062.5	0.197	0.368	0.497	0.624	0.784	0.883	0.941	0.962	0.973	0.982	0.989	0.992	0.996	0.997	0.998
3065.0	0.328	0.468	0.600	0.693	0.794	0.849	0.891	0.926	0.950	0.964	0.977	0.985	0.990	0.993	0.996
3067.5	0.369	0.468	0.593	0.683	0.786	0.843	0.885	0.922	0.948	0.963	0.977	0.985	0.990	0.993	0.996
3070.0	0.507	0.648	0.770	0.805	0.870	0.902	0.933	0.957	0.973	0.982	0.990	0.993	0.996	0.998	0.999
3072.5	0.742	0.862	0.913	0.944	0.968	0.979	0.986	0.992	0.995	0.996	0.998	0.999	0.999	1.000	1.000
3075.0	0.769	0.851	0.899	0.929	0.955	0.969	0.979	0.987	0.991	0.994	0.996	0.998	0.999	0.999	1.000
3077.5	0.697	0.836	0.887	0.921	0.951	0.967	0.978	0.986	0.991	0.994	0.996	0.998	0.999	0.999	1.000
3080.0	0.759	0.870	0.910	0.935	0.958	0.972	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000
3082.5	0.736	0.851	0.895	0.924	0.950	0.967	0.978	0.986	0.991	0.994	0.996	0.998	0.999	0.999	1.000
3085.0	0.440	0.592	0.687	0.764	0.843	0.886	0.919	0.944	0.963	0.975	0.985	0.990	0.993	0.996	0.997
3087.5	0.537	0.702	0.852	0.900	0.940	0.959	0.973	0.984	0.990	0.993	0.996	0.997	0.999	0.999	1.000
3090.0	0.600	0.749	0.825	0.879	0.925	0.948	0.965	0.979	0.986	0.990	0.994	0.996	0.998	0.999	0.999
3092.5	0.566	0.725	0.813	0.870	0.916	0.943	0.963	0.977	0.986	0.990	0.994	0.996	0.998	0.999	0.999
3095.0	0.156	0.305	0.430	0.550	0.685	0.766	0.829	0.889	0.921	0.944	0.965	0.976	0.985	0.990	0.994
3097.5	0.073	0.208	0.340	0.473	0.628	0.722	0.796	0.868	0.906	0.933	0.956	0.971	0.980	0.988	0.992
3100.0	0.051	0.205	0.339	0.478	0.636	0.731	0.795	0.867	0.905	0.933	0.956	0.971	0.980	0.988	0.992
3102.5	0.115	0.266	0.399	0.527	0.670	0.755	0.821	0.885	0.918	0.942	0.964	0.975	0.983	0.989	0.993
3105.0	0.135	0.284	0.417	0.556	0.693	0.773	0.835	0.893	0.924	0.946	0.966	0.976	0.984	0.990	0.993
3107.5	0.153	0.329	0.448	0.583	0.724	0.798	0.854	0.906	0.933	0.953	0.970	0.979	0.986	0.991	0.994
3110.0	0.195	0.375	0.510	0.627	0.768	0.837	0.888	0.925	0.939	0.957	0.973	0.981	0.987	0.992	0.995
3112.5	0.178	0.364	0.499	0.599	0.737	0.799	0.854	0.906	0.933	0.952	0.970	0.979	0.985	0.991	0.994
3115.0	0.164	0.345	0.483	0.574	0.705	0.782	0.841	0.897	0.926	0.947	0.967	0.977	0.984	0.990	0.993
3117.5	0.166	0.305	0.431	0.560	0.693	0.775	0.836	0.893	0.924	0.946	0.965	0.976	0.985	0.990	0.993
3120.0	0.184	0.317	0.442	0.567	0.717	0.792	0.849	0.902	0.930	0.950	0.968	0.978	0.985	0.991	0.994
3122.5	0.178	0.358	0.494	0.616	0.739	0.810	0.863	0.912	0.938	0.956	0.972	0.981	0.987	0.992	0.995
3125.0	0.115	0.273	0.452	0.592	0.686	0.767	0.851	0.901	0.933	0.954	0.968	0.977	0.984	0.990	0.993
3127.5	0.125	0.293	0.430	0.557	0.686	0.776	0.838	0.893	0.926	0.948	0.966	0.976	0.984	0.990	0.993
3130.0	0.189	0.367	0.503	0.622	0.745	0.814	0.866	0.914	0.939	0.957	0.973	0.981	0.987	0.992	0.995
3132.5	0.208	0.400	0.537	0.653	0.764	0.832	0.880	0.923	0.945	0.961	0.976	0.985	0.988	0.993	0.995
3135.0	0.286	0.475	0.600	0.703	0.804	0.858	0.898	0.933	0.951	0.964	0.980	0.986	0.990	0.994	0.996
3137.5	0.169	0.378	0.583	0.745	0.873	0.925	0.721	0.943	0.963	0.974	0.984	0.989	0.993	0.996	0.997
3140.0	0.284	0.335	0.813	0.868	0.917	0.942	0.960	0.975	0.983	0.988	0.992	0.995	0.997	0.998	0.999
3142.5	0.662	0.777	0.854	0.891	0.922	0.953	0.970	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999
3145.0	0.632	0.764	0.832	0.880	0.924	0.944	0.962	0.976	0.985	0.988	0.993	0.995	0.997	0.998	0.999
3147.5	0.687	0.808	0.858	0.899	0.926	0.955	0.968	0.980	0.986	0.990	0.994	0.996	0.997	0.998	0.999
3150.0	0.781	0.864	0.901	0.935	0.959	0.972	0.980	0.988	0.992	0.994	0.996	0.998	0.999	0.999	1.000
3152.5	0.855	0.918	0.945	0.963	0.978	0.985	0.990	0.993	0.995	0.998	0.998	0.999	1.000	1.000	1.000
3155.0	0.845	0.912	0.940	0.960	0.975	0.983	0.989	0.994	0.995	0.998	0.999	0.999	1.000	1.000	1.000
3157.5	0.790	0.872	0.911	0.938	0.961	0.973	0.982	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000
3160.0	0.764	0.855	0.899	0.929	0.954	0.968	0.978	0.987	0.991	0.993	0.997	0.998	0.999	1.000	1.000
3162.5	0.713	0.820	0.873	0.911	0.944	0.961	0.972	0.983	0.989	0.993	0.996	0.998	0.999	0.999	1.000
3165.0	0.687	0.802	0.860	0.901	0.938	0.956	0.970	0.982	0.988	0.992	0.995	0.997	0.998	0.999	0.999
3167.5	0.727	0.831	0.882	0.915	0.943	0.961	0.973	0.985	0.990	0.994	0.996	0.998	0.999	0.999	0.999
3170.0	0.855	0.931	0.963	0.981	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
3172.5	0.580	0.723	0.801	0.858	0.910	0.937	0.956	0.973	0.981	0.987	0.992	0.994	0.996	0.998	0.999
3175.0	0.561	0.747	0.862	0.932	0.956	0.969	0.978	0.985	0.990	0.993	0.996	0.997	0.998	0.999	0.999
3177.5	0.236	0.441	0.570	0.677	0.785	0.841	0.888	0.929	0.949	0.964	0.978	0.985	0.989	0.993	0.996
3180.0	0.227	0.427	0.559	0.667	0.775	0.840	0.888	0.929	0.949	0.964	0.978	0.985	0.989	0.993	0.996
3182.5	0.217	0.401	0.534	0.646	0.764	0.828	0.876	0.920	0.943	0.960	0.975	0.982	0.988	0.992	0.995

U[PR.CM.]

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
3185.0	0.251	0.438	0.569	0.677	0.785	0.841	0.888	0.928	0.948	0.964	0.977	0.985	0.989	0.993	0.995
3187.5	0.405	0.559	0.682	0.767	0.851	0.892	0.912	0.944	0.960	0.972	0.982	0.987	0.991	0.994	0.996
3190.0	0.582	0.727	0.804	0.861	0.912	0.937	0.956	0.972	0.981	0.986	0.992	0.994	0.996	0.998	0.999
3192.5	0.748	0.870	0.925	0.952	0.974	0.983	0.989	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000
3195.0	0.530	0.660	0.764	0.829	0.889	0.920	0.943	0.964	0.975	0.982	0.989	0.993	0.995	0.997	0.998
3197.5	0.357	0.536	0.625	0.718	0.811	0.862	0.901	0.936	0.955	0.968	0.980	0.986	0.990	0.994	0.996
3200.0	0.261	0.441	0.568	0.675	0.785	0.842	0.886	0.927	0.948	0.964	0.977	0.984	0.989	0.993	0.995
3202.5	0.445	0.616	0.716	0.793	0.866	0.904	0.931	0.956	0.968	0.978	0.987	0.991	0.994	0.996	0.998
3205.0	0.632	0.762	0.863	0.910	0.947	0.964	0.976	0.985	0.990	0.993	0.996	0.997	0.998	0.999	0.999
3207.5	0.533	0.689	0.776	0.838	0.895	0.923	0.942	0.967	0.977	0.984	0.990	0.993	0.996	0.997	0.998
3210.0	0.368	0.518	0.631	0.726	0.817	0.868	0.905	0.940	0.957	0.970	0.982	0.988	0.992	0.995	0.997
3212.5	0.169	0.328	0.473	0.600	0.731	0.805	0.860	0.910	0.937	0.956	0.973	0.981	0.987	0.992	0.995
3215.0	0.131	0.313	0.440	0.540	0.725	0.800	0.856	0.908	0.935	0.955	0.972	0.980	0.986	0.992	0.994
3217.5	0.090	0.269	0.390	0.525	0.673	0.759	0.825	0.887	0.920	0.943	0.964	0.975	0.982	0.989	0.992
3220.0	0.054	0.241	0.367	0.516	0.676	0.768	0.842	0.906	0.938	0.960	0.978	0.986	0.991	0.994	0.996
3222.5	0.054	0.246	0.381	0.535	0.710	0.793	0.857	0.919	0.944	0.962	0.978	0.986	0.991	0.994	0.996
3225.0	0.215	0.359	0.466	0.569	0.690	0.765	0.825	0.885	0.917	0.940	0.967	0.975	0.981	0.988	0.992
3227.5	0.280	0.472	0.598	0.701	0.803	0.858	0.898	0.935	0.954	0.968	0.980	0.986	0.990	0.994	0.996
3230.0	0.287	0.474	0.605	0.705	0.804	0.858	0.898	0.935	0.954	0.967	0.979	0.986	0.990	0.994	0.996
3232.5	0.263	0.444	0.571	0.677	0.784	0.843	0.887	0.927	0.948	0.965	0.977	0.985	0.988	0.993	0.995
3235.0	0.244	0.405	0.702	0.779	0.861	0.905	0.932	0.955	0.970	0.980	0.988	0.992	0.994	0.996	0.998
3237.5	0.574	0.719	0.821	0.878	0.925	0.948	0.964	0.977	0.984	0.988	0.993	0.995	0.997	0.998	0.999
3240.0	0.416	0.773	0.869	0.899	0.939	0.958	0.971	0.983	0.988	0.992	0.995	0.997	0.998	0.999	0.999
3242.5	0.449	0.603	0.776	0.833	0.881	0.916	0.941	0.963	0.974	0.982	0.989	0.992	0.995	0.997	0.998
3245.0	0.311	0.488	0.606	0.705	0.803	0.857	0.897	0.933	0.953	0.967	0.979	0.985	0.990	0.994	0.996
3247.5	0.237	0.425	0.556	0.665	0.771	0.838	0.885	0.925	0.947	0.962	0.976	0.985	0.988	0.993	0.995
3250.0	0.284	0.560	0.668	0.767	0.848	0.892	0.923	0.949	0.965	0.975	0.983	0.988	0.992	0.995	0.996
3252.5	0.431	0.622	0.729	0.804	0.878	0.913	0.939	0.962	0.973	0.981	0.988	0.992	0.994	0.997	0.998
3255.0	0.349	0.522	0.631	0.726	0.817	0.867	0.904	0.938	0.956	0.969	0.981	0.986	0.991	0.994	0.996
3257.5	0.153	0.325	0.461	0.581	0.713	0.787	0.861	0.909	0.938	0.960	0.977	0.984	0.990	0.993	0.996
3260.0	0.358	0.527	0.662	0.758	0.845	0.893	0.928	0.952	0.968	0.978	0.986	0.990	0.993	0.996	0.998
3262.5	0.252	0.425	0.554	0.727	0.818	0.868	0.904	0.938	0.956	0.969	0.981	0.987	0.991	0.994	0.996
3265.0	0.270	0.447	0.590	0.693	0.797	0.853	0.893	0.933	0.953	0.967	0.980	0.986	0.990	0.994	0.996
3267.5	0.417	0.612	0

WATER VAPOR AT 1.00 ATMOSPHERE PRESSURE

T=200° K

WATER VAPOR AT 1.00 ATMOSPHERE PRESSURE

T=200° K

FREQ.	UPR.CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1935.0	0.000	0.000	0.000	0.002	0.051	0.195	0.411	0.665	0.827	0.926	0.981	0.960	0.990	0.995	0.998
1937.5	0.000	0.000	0.000	0.000	0.020	0.098	0.293	0.544	0.769	0.896	0.991	0.959	0.983	0.996	0.998
1940.0	0.000	0.000	0.000	0.000	0.011	0.059	0.239	0.272	0.586	0.854	0.969	0.961	0.978	0.995	0.998
1942.5	0.000	0.000	0.000	0.000	0.000	0.033	0.221	0.356	0.226	0.660	0.921	0.966	0.978	0.995	0.998
1945.0	0.000	0.000	0.000	0.000	0.000	0.005	0.235	0.352	0.290	0.442	0.852	0.965	0.978	0.995	0.998
1947.5	0.000	0.000	0.000	0.001	0.029	0.095	0.202	0.169	0.527	0.652	0.782	0.886	0.933	0.963	0.979
1950.0	0.000	0.000	0.000	0.002	0.062	0.195	0.350	0.518	0.653	0.760	0.852	0.912	0.948	0.972	0.986
1952.5	0.000	0.000	0.000	0.003	0.064	0.203	0.400	0.625	0.787	0.847	0.921	0.963	0.981	0.992	0.996
1955.0	0.000	0.000	0.000	0.007	0.065	0.227	0.411	0.631	0.755	0.847	0.935	0.960	0.979	0.992	0.996
1957.5	0.000	0.000	0.000	0.008	0.100	0.261	0.434	0.639	0.751	0.842	0.934	0.961	0.982	0.994	0.998
1960.0	0.000	0.000	0.000	0.010	0.116	0.294	0.467	0.710	0.818	0.867	0.945	0.976	0.986	0.995	0.998
1962.5	0.000	0.000	0.000	0.005	0.087	0.289	0.515	0.545	0.646	0.783	0.854	0.908	0.944	0.974	0.986
1965.0	0.000	0.000	0.000	0.004	0.075	0.265	0.477	0.577	0.542	0.824	0.905	0.953	0.976	0.990	0.995
1967.5	0.000	0.000	0.000	0.004	0.075	0.183	0.277	0.442	0.562	0.825	0.953	0.975	0.986	0.994	0.997
1970.0	0.000	0.000	0.000	0.001	0.024	0.160	0.325	0.487	0.656	0.749	0.886	0.922	0.951	0.977	0.988
1972.5	0.000	0.000	0.000	0.001	0.042	0.262	0.568	0.869	0.961	0.916	0.981	0.980	0.995	0.998	0.999
1975.0	0.000	0.000	0.000	0.001	0.041	0.255	0.561	0.857	0.951	0.885	0.974	0.977	0.993	0.997	0.999
1977.5	0.000	0.000	0.000	0.011	0.066	0.329	0.531	0.703	0.863	0.906	0.967	0.976	0.989	0.996	0.998
1980.0	0.000	0.000	0.000	0.012	0.063	0.322	0.543	0.784	0.887	0.934	0.973	0.979	0.991	0.997	0.999
1982.5	0.000	0.000	0.000	0.011	0.047	0.246	0.577	0.782	0.905	0.954	0.978	0.979	0.991	0.997	0.999
1985.0	0.000	0.000	0.000	0.003	0.037	0.193	0.366	0.578	0.765	0.853	0.908	0.952	0.972	0.985	0.994	0.997
1987.5	0.000	0.000	0.000	0.000	0.007	0.092	0.195	0.395	0.624	0.822	0.919	0.959	0.977	0.986	0.995	0.997
1990.0	0.000	0.000	0.000	0.000	0.000	0.011	0.064	0.157	0.266	0.601	0.836	0.947	0.958	0.990	0.995	0.998
1992.5	0.000	0.000	0.000	0.000	0.000	0.029	0.087	0.231	0.317	0.517	0.869	0.925	0.968	0.979	0.992	0.997
1995.0	0.000	0.000	0.000	0.000	0.000	0.025	0.095	0.198	0.349	0.536	0.864	0.915	0.958	0.978	0.992	0.997
1997.5	0.000	0.000	0.000	0.000	0.000	0.060	0.173	0.336	0.549	0.687	0.866	0.935	0.965	0.983	0.993	0.998
2000.0	0.000	0.000	0.000	0.000	0.007	0.053	0.211	0.379	0.567	0.722	0.881	0.941	0.968	0.984	0.993	0.998
2002.5	0.000	0.000	0.000	0.000	0.003	0.043	0.186	0.361	0.541	0.702	0.875	0.940	0.967	0.984	0.993	0.998
2005.0	0.000	0.000	0.000	0.000	0.000	0.020	0.122	0.291	0.532	0.716	0.892	0.950	0.974	0.988	0.995	0.998
2007.5	0.000	0.000	0.000	0.000	0.000	0.013	0.102	0.277	0.510	0.702	0.892	0.952	0.975	0.988	0.995	0.998
2010.0	0.000	0.000	0.000	0.000	0.007	0.054	0.245	0.453	0.609	0.784	0.876	0.930	0.972	0.990	0.997	0.998
2012.5	0.000	0.000	0.000	0.000	0.006	0.045	0.223	0.357	0.524	0.703	0.800	0.867	0.926	0.962	0.986	0.996
2015.0	0.000	0.000	0.000	0.000	0.006	0.047	0.227	0.374	0.533	0.704	0.801	0.868	0.927	0.963	0.986	0.996
2017.5	0.000	0.000	0.000	0.000	0.007	0.062	0.260	0.446	0.572	0.731	0.824	0.886	0.934	0.967	0.987	0.996
2020.0	0.000	0.000	0.000	0.000	0.006	0.046	0.184	0.328	0.458	0.632	0.758	0.850	0.916	0.959	0.984	0.995
2022.5	0.000	0.000	0.000	0.000	0.006	0.047	0.213	0.388	0.547	0.734	0.850	0.924	0.968	0.985	0.994	0.997
2025.0	0.000	0.000	0.000	0.000	0.009	0.059	0.237	0.414	0.577	0.750	0.862	0.929	0.970	0.986	0.994	0.997
2027.5	0.000	0.000	0.000	0.000	0.007	0.052	0.198	0.354	0.507	0.710	0.847	0.923	0.968	0.985	0.994	0.997
2030.0	0.000	0.000	0.000	0.000	0.006	0.045	0.165	0.305	0.447	0.672	0.824	0.907	0.960	0.982	0.993	0.997
2032.5	0.000	0.000	0.000	0.000	0.013	0.105	0.334	0.462	0.791	0.858	0.965	0.984	0.992	0.997	0.999	1.000
2035.0	0.000	0.000	0.000	0.000	0.009	0.079	0.266	0.572	0.756	0.875	0.954	0.979	0.988	0.996	0.998	1.000
2037.5	0.000	0.000	0.000	0.000	0.006	0.077	0.244	0.548	0.736	0.870	0.956	0.979	0.988	0.996	0.998	1.000
2040.0	0.000	0.000	0.000	0.000	0.002	0.021	0.092	0.244	0.387	0.627	0.868	0.777	0.977	0.991	0.996	0.999
2042.5	0.000	0.000	0.000	0.000	0.000	0.005	0.033	0.162	0.263	0.536	0.817	0.777	0.971	0.989	0.996	0.999
2045.0	0.000	0.000	0.000	0.000	0.000	0.000	0.022	0.124	0.243	0.514	0.807	0.794	0.973	0.990	0.996	0.999
2047.5	0.000	0.000	0.000	0.000	0.000	0.017	0.101	0.272	0.529	0.689	0.808	0.907	0.956	0.979	0.990	0.997
2050.0	0.000	0.000	0.000	0.000	0.000	0.009	0.071	0.215	0.424	0.667	0.843	0.947	0.978	0.990	0.997	0.999
2052.5	0.000	0.000	0.000	0.000	0.000	0.005	0.045	0.171	0.375	0.625	0.843	0.947	0.978	0.990	0.997	0.999
2055.0	0.000	0.000	0.000	0.000	0.000	0.007	0.047	0.161	0.422	0.715	0.856	0.956	0.981	0.991	0.996	0.999
2057.5	0.000	0.000	0.000	0.000	0.000	0.006	0.043	0.161	0.293	0.576	0.847	0.941	0.976	0.989	0.996	0.999
2060.0	0.000	0.000	0.000	0.005	0.045	0.167	0.344	0.592	0.871	0.753	0.925	0.882	0.937	0.966	0.981	0.992
2062.5	0.000	0.000	0.000	0.008	0.042	0.156	0.286	0.533	0.810	0.720	0.907	0.860	0.940	0.968	0.982	0.992
2065.0	0.000	0.000	0.001	0.014	0.060	0.186	0.317	0.458	0.831	0.757	0.921	0.904	0.944	0.971	0.984	0.993
2067.5	0.000	0.000	0.001	0.014	0.060	0.185	0.296	0.511	0.773	0.722	0.893	0.902	0.943	0.971	0.984	0.993
2070.0	0.000	0.000	0.011	0.079	0.236	0.449	0.645	0.787	0.869	0.933	0.961	0.964	0.982	0.994	0.996	0.998
2072.5	0.000	0.000	0.012	0.083	0.243	0.491	0.651	0.776	0.879	0.928	0.960	0.961	0.981	0.994	0.996	0.998
2075.0	0.000	0.000	0.003	0.029	0.067	0.156	0.267	0.418	0.647	0.824	0.919	0.959	0.977	0.986	0.995	0.997
2077.5	0.000	0.001	0.043	0.169	0.360	0.609	0.752	0.852	0.927	0.956	0.977	0.980	0.991	0.996	0.998	0.999
2080.0	0.000	0.000	0.009	0.047	0.137	0.329	0.532	0.697	0.826	0.907	0.956	0.973	0.987	0.994	0.997	0.999
2082.5	0.000	0.002	0.065	0.235	0.481	0.721	0.851	0.931	0.976	0.988	0.994	0.989	0.997	0.999	1.000	1.000
2085.0	0.000	0.002	0.061	0.225	0.466	0.703	0.837	0.921	0.970	0.985	0.992	0.987	0.998	0.999	1.000	1.000
2087.5	0.000	0.001	0.037	0.169	0.378	0.617	0.792	0.898	0.958	0.979	0.989	0.985	0.995	0.998	0.999	1.000
2090.0	0.000	0.001	0.029	0.126	0.309	0.556	0.746	0.870	0.944	0.974	0.987	0.984	0.994	0.997	0.999	1.000
2092.5	0.000	0.000	0.017	0.094	0.258	0.500	0.705	0.846	0.931	0.969	0.985	0.983	0.993	0.997	0.999	1.000
2095.0	0.000	0.000	0.014	0.080	0.234	0.475	0.684	0.833	0.924	0.966	0.984	0.982	0.993	0.997	0.999	1.000
2097.5	0.000	0.000	0.011	0.066	0.208	0.444	0.658	0.815	0.913	0.961	0.982	0.980	0.992	0.996	0.999	1.000
2100.0	0.000	0.000	0.009	0.054	0.183	0.411	0.628	0.792	0.899	0.954	0.979	0.977	0.990	0.996	0.998	1.000
2102.5	0.000	0.000	0.007	0.044	0.161	0.380	0.597	0.767	0.883	0.945	0.975	0.973	0.988	0.995	0.998	1.000
2105.0	0.000	0.000	0.005	0.035	0.140	0.350	0.566	0.740	0.865	0.935	0.970	0.968	0.985	0.994	0.997	1.000
2107.5	0.000	0.000	0.004	0.027	0.121	0.321	0.535	0.712	0.845	0.924	0.965	0.962	0.982	0.992	0.997	0.999
2110.0	0.000	0.000	0.003	0.021	0.104	0.294	0.504	0.683	0.824	0.912	0.959	0.955	0.978	0.990	0.996	0.999
2112.5	0.000	0.000	0.002	0.016	0.089	0.268	0.473	0.653	0.801	0.898	0.951	0.946	0.973	0.987	0.995	0.999
2115.0	0.000	0.000	0.001	0.012	0.076	0.244	0.443	0.622	0.777	0.882	0.941	0.935	0.967	0.983	0.993	0.998
2117.5	0.000	0.000	0.001	0.009	0.064	0.222	0.413	0.591	0.751	0.864	0.930	0.922	0.960	0.979	0.991	0.997
2120.0	0.000	0.000	0.000	0.007	0.053	0.202	0.384	0.560	0.724	0.844	0.917	0.907	0.951	0.974	0.988	0.996
2122.5	0.000	0.000	0.000	0.005	0.044	0.183	0.356	0.529	0.696	0.822	0.902	0.890	0.940	0.967	0.984	0.994
2125.0	0.000	0.000	0.000	0.004	0.036	0.166	0.329	0.498	0.667	0.798	0.885	0.871	0.927	0.958	0.978	0.991
2127.5	0.000	0.000	0.000	0.003	0.029	0.150	0.303	0.468	0.636	0.772	0.866	0.850	0.912	0.947	0.971	0.987
2130.0	0.000	0.000	0.000	0.002	0.023	0.135	0.278	0.438	0.605	0.744	0.845	0.827	0.895	0.935	0.962	0.982
2132.5	0.000	0.000	0.000	0.002	0.018	0.121	0.254	0.408	0.573	0.714	0.822	0.802	0.876	0.921	0.952	0.975
2135.0	0.000	0.005	0.047	0.181	0.325	0.526	0.657	0.758	0.858	0.926	0.963	0.970	0.983	0.991	0.996	0.998
2137.5	0.000	0.002	0.035	0.139	0.257	0.470	0.615	0.747	0.865	0.922	0.964	0.971	0.984	0.992	0.996	0.998
2140.0	0.000	0.001	0.026	0.111	0.206	0.424	0.576	0.736	0.871	0.919	0.965	0.972	0.985	0.992	0.996	0.998
2142.5	0.000	0.000	0.019	0.088	0.165	0.384	0.539	0.727	0.876	0.917	0.966	0.973	0.986	0.993	0.997	0.999
2145.0	0.000	0.000	0.014	0.070	0.132	0.348	0.504	0.718	0.880	0.916	0.967	0.974	0.987	0.994	0.997	0.999
2147.5	0.000	0.000	0.010	0.055	0.106	0.315	0.471	0.709	0.883	0.915	0.968	0.975	0.988	0.994	0.997	0.999
2150.0	0.000	0.000	0.007	0.043	0.084	0.284	0.439	0.699	0.885	0.914	0.969	0.976	0.989	0.995	0.998	0.999
2152.5	0.000	0.000	0.005	0.033	0.066	0.255	0.408	0.688	0.886	0.913	0.969	0.977	0.990	0.995	0.998	0.999
2155.0	0.000	0.000	0.004	0.025	0.052	0.229	0.378	0.676	0.886	0.912	0.969	0.977	0.990	0.995	0.998	0.999
2157.5	0.000	0.000	0.003	0.019	0.041	0.205	0.350	0.663	0.885	0.911	0.969	0.977	0.990	0.995	0.998	0.999
2160.0	0.000	0.001	0.019	0.092	0.213	0.441	0.611	0.771	0.872	0.936	0.972	0.966	0.986	0.993	0.997	0.999
2162.5	0.000	0.000	0.014	0.076	0.183	0.410	0.585	0.761	0.877	0.933	0.973	0.971	0.987	0.994	0.997	0.999
2165.0	0.000	0.000	0.011	0.062	0.156	0.381	0.559	0.750	0.880	0.930	0.973	0.974	0.988	0.994	0.997	0.999
2167.5	0.000	0.000	0.008	0.050	0.131	0.354	0.533	0.738	0.881	0.928	0.973	0.976	0.989	0.995	0.998	0.999
2170.0	0.000	0.000	0.006	0.040	0.109	0.328	0.508	0.725	0.881	0.926	0.973	0.977	0.990	0.995	0.998	0.999
2172.5	0.000	0.007	0.098	0.405	0.599	0.761	0.868	0.923	0.963	0.978	0.989	0.991	0.996	0.998	0.999	1.000
2175.0	0.000	0.006	0.083	0.366	0.561	0.734	0.851	0.914	0.960	0.977	0.989	0.991	0.996	0.998	0.999	1.000
2177.5	0.000	0.005	0.070	0.331	0.524	0.707	0.834	0.905	0.956	0.976	0.989	0.991	0.996	0.998	0.999	1.000
2180.0	0.000	0.004	0.059	0.299	0.489	0.680	0.816	0.895	0.952	0.974	0.988	0.991	0.996	0.998	0.999	1.000
2182.5	0.000	0.003	0.049	0.270	0.456	0.653	0.797	0.884	0.947	0.972	0.988	0.991	0.996	0.998	0.999	1.000
2185.0	0.000	0.003	0.041	0.244	0.424	0.626	0.778	0.873	0.943	0.970	0.987	0.991	0.996	0.998	0.999	1.000
2187.5	0.000	0.002	0.034	0.220	0.394	0.599	0.758	0.861	0.938	0.968	0.986	0.991	0.996	0.998	0.999	1.000
2190.0	0.000	0.002	0.028	0.198	0.366	0.572	0.737	0.848	0.933	0.966	0.985	0.991	0.996	0.998	0.999	1.000
2192.5	0.000	0.001	0.023	0.178	0.340	0.545	0.716	0.834	0.928	0.963	0.984	0.991	0.996	0.998	0.999	1.000
2195.0	0.000	0.001	0.019	0.160	0.316	0.519	0.695	0.820	0.923	0.960	0.983	0.991	0.996	0.998	0.999	1.000
2197.5	0.000	0.001	0.016	0.144	0.293	0.494	0.674	0.805	0.917	0.957	0.982	0.991	0.996	0.998	0.999	1.000
2200.0	0.000	0.000	0.013	0.129	0.272	0.470	0.653	0.790	0.911	0.954	0.981	0.991	0.996	0.998	0.999	1.000
2202.5	0.000	0.000	0.011	0.116	0.252	0.447	0.632	0.774	0.904	0.950	0.979	0.991	0.996	0.998	0.999	1.000
2205.0	0.000	0.000	0.009	0.104	0.234	0.425	0.611	0.758	0.897	0.946	0.978	0.991	0.996	0.998	0.999	1.000
2207.5	0.000	0.000	0.008	0.093	0.217	0.404	0.591	0.742	0.890	0.942	0.977	0.991	0.996	0.998	0.999	1.000
2210.0	0.000	0.029	0.207	0.626	0.816	0.920	0.962	0.985	0.995	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2212.5	0.000	0.024	0.180	0.579	0.793	0.907	0.957	0.983	0.994	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2215.0	0.000	0.019	0.156	0.535	0.770	0.894	0.951	0.981	0.993	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2217.5	0.000	0.016	0.135	0.494	0.747	0.881	0.945	0.979	0.993	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2220.0	0.000	0.013	0.117	0.457	0.725	0.867	0.939	0.977	0.992	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2222.5	0.000	0.081	0.358	0.600	0.775	0.911	0.967	0.987	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2225.0	0.000	0.067	0.305	0.541	0.726	0.885	0.947	0.977	0.991	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2227.5	0.000	0.056	0.259	0.488	0.679	0.858	0.927	0.967	0.987	0.997	0.999	1.000	1.000	1.000	1.000	1.000
2230.0	0.000	0.046	0.220	0.440	0.636	0.830	0.906	0.956	0.982	0.996	0.999	1.000	1.000	1.000	1.000	1.000
2232.5	0.000	0.038	0.187	0.397	0.597	0.801	0.884	0.944	0.977	0.995	0.998	1.000	1.000	1.000	1.000	1.000
2235.0	0.000	0.091	0.367	0.636	0.808	0.916	0.961	0.979	0.989	0.995	0.998	1.000	1.000	1.000	1.000	1.000
2237.5	0.000	0.075	0.309	0.571	0.757	0.890	0.945	0.973	0.987	0.995	0.998	1.000	1.000	1.000	1.000	1.000
2240.0	0.000	0.061	0.261	0.512	0.710	0.865	0.929	0.967	0.985	0.995	0.998	1.000	1.000	1.000	1.000	1.000
2242.5	0.000	0.050	0.221	0.460	0.667	0.840	0.913	0.961	0.983	0.995	0.998	1.000	1.000	1.000	1.000	1.000
2245.0	0.000	0.041	0.188	0.416	0.628	0.815	0.897	0.955	0.981	0.994	0.998	1.000	1.000	1.000	1.000	1.000
2247.5	0.000	0.033	0.160	0.378	0.593	0.791	0.882	0.950	0.980	0.994	0.998	1.000	1.000	1.000	1.000	1.000
2250.0	0.000	0.027	0.136	0.345	0.561	0.769	0.868	0.945	0.979	0.994	0.998	1.000	1.000	1.000	1.000	1.000
2252.5	0.000	0.022	0.116	0.315	0.531	0.748	0.855	0.941	0.978	0.994	0.998	1.000	1.000	1.000	1.000	1.000
2255.0	0.000	0.018	0.099	0.288	0.503	0.728	0.843	0.937	0.977	0.994	0.998	1.000	1.000	1.000	1.000	1.000
2257.5	0.000	0.014	0.084	0.263	0.477	0.708	0.831	0.933	0.976	0.994	0.998	1.000	1.000	1.000	1.000	1.000
2260.0	0.000	0.011	0.072	0.241	0.453	0.689	0.819	0.929	0.975	0.994	0.998	1.000	1.000	1.000	1.000	1.000
2262.5	0.000	0.009	0.061	0.221	0.430	0.670	0.807	0.925	0.974	0.994	0.998	1.000	1.000	1.000	1.000	1.000
2265.0	0.000	0.007	0.052	0.203	0.408	0.652	0.795	0.921	0.973	0.994	0.998	1.000	1.000	1.000	1.000	1.000
2267.5	0.000	0.006	0.044	0.187	0.388	0.634	0.784	0.917	0.972	0.994	0.998	1.000	1.000	1.000	1.000	1.000
2270.0	0.000	0.005	0.038	0.173	0.369	0.617	0.773	0.913	0.971	0.994	0.998	1.000	1.000	1.000	1.000	1.000
2272.5	0.000	0.004	0.032	0.160	0.352	0.601	0.763	0.910	0.970	0.994	0.998	1.000	1.000	1.000	1.000	1.000
2275.0	0.000	0.003	0.027	0.148	0.336	0.585	0.753	0.907	0.969	0.994	0.998	1.000	1.000	1.000	1.000	1.000
2277.5	0.000	0.003	0.023	0.137	0.321	0.570	0.744	0.904	0.968	0.994	0.998	1.000	1.000	1.000	1.000	1.000
2280.0	0.000	0.002	0.020	0.127	0.307	0.556	0.735	0.901	0.967	0.994	0.998	1.000	1.000	1.000	1.000	1.000
2282.5	0.000	0.002	0.017	0.118	0.294	0.542	0.726	0.898	0.966	0.994	0.998	1.000	1.000	1.000	1.000	1.000
2285.0	0.000	0.001	0.014	0.110	0.282	0.529	0.718	0.896	0.965	0.994	0.998	1.000	1.000	1.000	1.000	1.000
2287.5	0.000	0.001	0.012	0.102	0.270	0.516	0.710	0.893	0.964	0.994	0.998	1.000	1.000	1.000	1.000	1.000
2290.0	0.000	0.001	0.011	0.095	0.259	0.504	0.702	0.891	0.963	0.994	0.998	1.000	1.000	1.000	1.000	1.000
2292.5	0.000	0.001	0.009	0.089	0.249	0.492	0.694	0.889	0.962	0.994	0.998	1.000	1.000	1.000	1.000	1.000
2295.0	0.000	0.001	0.008	0.083	0.239	0.481	0.687	0.887	0.962	0.994	0.998	1.000	1.000	1.000	1.000	1.000
2297.5	0.000	0.000	0.007	0.078	0.230	0.470	0.679	0.885	0.961	0.994	0.998	1.000	1.000	1.000	1.000	1.000
2300.0	0.000	0.000	0.006	0.073	0.221	0.460	0.672	0.883	0.960	0.994	0.998	1.000	1.000	1.000	1.000	1.000
2302.5	0.000	0.000	0.006	0.068	0.213	0.450	0.665	0.881	0.959	0.994	0.998	1.000	1.000	1.000	1.000	1.000
2305.0	0.000	0.000	0.005	0.064	0.205	0.441	0.658	0.879	0.958	0.994	0.998	1.000	1.000	1.000	1.000	1.000
2307.5	0.000	0.000	0.004	0.060	0.198	0.432	0.652	0.877	0.958	0.994	0.998	1.000	1.000	1.000	1.000	1.000
2310.0	0.000	0.000	0.004	0.056	0.191	0.423	0.645	0.875	0.957	0.994	0.998	1.000	1.000	1.000	1.000	1.000
2312.5	0.000	0.000	0.003	0.052	0.184	0.415	0.639	0.873	0.956	0.994	0.998

WATER VAPOR AT 1.00 ATMOSPHERE PRESSURE

T=200° K

U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
2872.5	0.049	0.270	0.506	0.710	0.874	0.939	0.971	0.989	0.995	0.998	0.999	1.000	1.000	1.000	1.000
2875.0	0.033	0.217	0.445	0.660	0.847	0.923	0.963	0.986	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2877.5	0.028	0.195	0.412	0.629	0.826	0.912	0.957	0.983	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2880.0	0.032	0.209	0.426	0.636	0.828	0.911	0.956	0.983	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2882.5	0.062	0.295	0.523	0.714	0.871	0.936	0.969	0.988	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2885.0	0.067	0.316	0.556	0.746	0.892	0.948	0.976	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2887.5	0.060	0.293	0.530	0.729	0.886	0.946	0.975	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2890.0	0.031	0.212	0.443	0.665	0.852	0.926	0.965	0.987	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2892.5	0.023	0.180	0.399	0.622	0.825	0.911	0.957	0.983	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2895.0	0.023	0.181	0.399	0.620	0.821	0.907	0.954	0.982	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2897.5	0.040	0.236	0.462	0.670	0.847	0.922	0.962	0.985	0.993	0.997	0.999	0.999	1.000	1.000	1.000
2900.0	0.042	0.246	0.472	0.675	0.846	0.920	0.960	0.985	0.993	0.996	0.999	0.999	1.000	1.000	1.000
2902.5	0.038	0.222	0.431	0.625	0.801	0.886	0.938	0.974	0.987	0.993	0.997	0.999	0.999	1.000	1.000
2905.0	0.018	0.154	0.344	0.543	0.744	0.847	0.914	0.963	0.982	0.991	0.996	0.998	0.999	1.000	1.000
2907.5	0.018	0.153	0.348	0.554	0.756	0.857	0.921	0.966	0.983	0.991	0.996	0.998	0.999	1.000	1.000
2910.0	0.022	0.180	0.397	0.613	0.810	0.897	0.946	0.978	0.990	0.995	0.998	0.999	0.999	1.000	1.000
2912.5	0.032	0.227	0.465	0.683	0.862	0.934	0.969	0.989	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2915.0	0.029	0.215	0.445	0.655	0.832	0.907	0.950	0.979	0.990	0.995	0.998	0.999	0.999	1.000	1.000
2917.5	0.025	0.188	0.400	0.605	0.788	0.874	0.927	0.967	0.983	0.991	0.996	0.998	0.999	1.000	1.000
2920.0	0.016	0.154	0.360	0.571	0.770	0.863	0.921	0.965	0.982	0.991	0.996	0.998	0.999	1.000	1.000
2922.5	0.013	0.139	0.336	0.549	0.754	0.852	0.913	0.960	0.979	0.989	0.995	0.998	0.999	1.000	1.000
2925.0	0.010	0.109	0.278	0.472	0.678	0.787	0.862	0.929	0.961	0.979	0.991	0.995	0.998	0.999	1.000
2927.5	0.006	0.072	0.210	0.392	0.606	0.727	0.818	0.903	0.945	0.970	0.987	0.994	0.997	0.999	0.999
2930.0	0.008	0.102	0.268	0.459	0.663	0.772	0.849	0.920	0.954	0.975	0.990	0.995	0.997	0.999	0.999
2932.5	0.010	0.121	0.312	0.526	0.737	0.840	0.905	0.954	0.975	0.987	0.994	0.997	0.999	0.999	1.000
2935.0	0.010	0.125	0.324	0.546	0.764	0.867	0.929	0.971	0.986	0.993	0.997	0.999	0.999	1.000	1.000
2937.5	0.010	0.129	0.329	0.552	0.767	0.870	0.931	0.971	0.986	0.993	0.997	0.999	0.999	1.000	1.000
2940.0	0.009	0.112	0.294	0.504	0.718	0.824	0.892	0.945	0.969	0.983	0.993	0.996	0.998	0.999	1.000
2942.5	0.007	0.090	0.241	0.428	0.637	0.753	0.836	0.909	0.946	0.970	0.987	0.993	0.997	0.999	0.999
2945.0	0.000	0.024	0.109	0.262	0.487	0.632	0.747	0.857	0.914	0.952	0.979	0.989	0.995	0.998	0.999
2947.5	0.000	0.019	0.093	0.242	0.468	0.619	0.737	0.851	0.910	0.949	0.978	0.989	0.996	0.998	0.999
2950.0	0.000	0.014	0.082	0.223	0.457	0.605	0.724	0.838	0.899	0.940	0.973	0.986	0.993	0.997	0.999
2952.5	0.000	0.014	0.081	0.224	0.456	0.606	0.723	0.832	0.892	0.935	0.970	0.984	0.992	0.997	0.998
2955.0	0.000	0.023	0.108	0.263	0.493	0.638	0.748	0.851	0.905	0.943	0.974	0.986	0.993	0.997	0.999
2957.5	0.001	0.028	0.128	0.300	0.538	0.683	0.788	0.882	0.928	0.959	0.982	0.990	0.995	0.998	0.999
2960.0	0.001	0.051	0.192	0.400	0.649	0.780	0.866	0.935	0.965	0.982	0.992	0.996	0.998	0.999	1.000
2962.5	0.001	0.037	0.145	0.323	0.564	0.705	0.805	0.890	0.931	0.958	0.980	0.990	0.995	0.998	0.999
2965.0	0.001	0.029	0.114	0.265	0.493	0.639	0.748	0.848	0.898	0.935	0.969	0.983	0.991	0.996	0.998
2967.5	0.000	0.013	0.082	0.232	0.474	0.629	0.743	0.845	0.897	0.935	0.968	0.983	0.991	0.996	0.998
2970.0	0.000	0.012	0.076	0.219	0.458	0.616	0.734	0.840	0.894	0.932	0.967	0.982	0.991	0.996	0.998
2972.5	0.000	0.011	0.065	0.181	0.380	0.524	0.644	0.766	0.835	0.889	0.942	0.968	0.983	0.993	0.996
2975.0	0.000	0.001	0.013	0.068	0.226	0.377	0.521	0.678	0.771	0.845	0.918	0.954	0.975	0.990	0.995
2977.5	0.000	0.014	0.070	0.178	0.363	0.501	0.627	0.747	0.819	0.876	0.934	0.962	0.980	0.991	0.996
2980.0	0.000	0.028	0.131	0.311	0.560	0.702	0.802	0.884	0.922	0.949	0.973	0.985	0.992	0.997	0.998
2982.5	0.001	0.038	0.177	0.410	0.698	0.837	0.918	0.968	0.985	0.992	0.997	0.999	0.999	1.000	1.000
2985.0	0.001	0.037	0.172	0.402	0.690	0.832	0.915	0.967	0.984	0.992	0.997	0.999	0.999	1.000	1.000
2987.5	0.000	0.024	0.113	0.280	0.525	0.673	0.779	0.869	0.912	0.940	0.967	0.981	0.989	0.995	0.998
2990.0	0.000	0.014	0.065	0.175	0.375	0.524	0.650	0.773	0.840	0.889	0.937	0.963	0.980	0.991	0.996
2992.5	0.001	0.024	0.091	0.207	0.397	0.538	0.657	0.776	0.841	0.890	0.938	0.963	0.980	0.992	0.996
2995.0	0.001	0.047	0.173	0.359	0.587	0.713	0.803	0.879	0.917	0.943	0.968	0.981	0.990	0.996	0.998
2997.5	0.004	0.095	0.299	0.554	0.801	0.902	0.955	0.985	0.994	0.997	0.999	0.999	1.000	1.000	1.000
3000.0	0.004	0.103	0.315	0.569	0.809	0.907	0.957	0.987	0.995	0.997	0.999	1.000	1.000	1.000	1.000
3002.5	0.004	0.098	0.303	0.552	0.791	0.895	0.952	0.986	0.994	0.997	0.999	1.000	1.000	1.000	1.000
3005.0	0.002	0.062	0.232	0.475	0.746	0.868	0.935	0.977	0.990	0.995	0.998	0.999	1.000	1.000	1.000
3007.5	0.001	0.030	0.134	0.312	0.559	0.702	0.803	0.886	0.926	0.952	0.975	0.986	0.992	0.997	0.998
3010.0	0.000	0.013	0.065	0.181	0.393	0.549	0.678	0.800	0.863	0.909	0.952	0.973	0.986	0.994	0.997
3012.5	0.000	0.010	0.061	0.181	0.394	0.553	0.681	0.800	0.863	0.909	0.952	0.973	0.986	0.994	0.997
3015.0	0.000	0.009	0.059	0.172	0.379	0.534	0.664	0.790	0.859	0.910	0.955	0.975	0.987	0.995	0.997
3017.5	0.000	0.009	0.057	0.163	0.359	0.512	0.645	0.778	0.853	0.909	0.957	0.977	0.988	0.995	0.998
3020.0	0.000	0.000	0.004	0.036	0.175	0.332	0.493	0.671	0.780	0.862	0.934	0.964	0.981	0.992	0.996
3022.5	0.000	0.000	0.002	0.023	0.124	0.256	0.407	0.596	0.713	0.810	0.902	0.946	0.971	0.988	0.994
3025.0	0.000	0.000	0.001	0.012	0.086	0.204	0.354	0.554	0.684	0.788	0.888	0.936	0.966	0.986	0.993
3027.5	0.000	0.000	0.000	0.004	0.054	0.140	0.310	0.521	0.660	0.770	0.876	0.929	0.961	0.984	0.992
3030.0	0.000	0.000	0.000	0.003	0.047	0.142	0.284	0.493	0.635	0.748	0.859	0.916	0.954	0.980	0.990
3032.5	0.000	0.000	0.000	0.001	0.026	0.087	0.194	0.379	0.525	0.655	0.798	0.879	0.913	0.971	0.985
3035.0	0.000	0.000	0.000	0.001	0.014	0.060	0.152	0.328	0.475	0.615	0.775	0.866	0.925	0.968	0.984
3037.5	0.000	0.001	0.012	0.062	0.180	0.278	0.380	0.521	0.628	0.728	0.843	0.907	0.949	0.978	0.989
3040.0	0.000	0.001	0.026	0.129	0.355	0.515	0.642	0.763	0.830	0.884	0.938	0.964	0.981	0.992	0.996
3042.5	0.000	0.006	0.063	0.239	0.563	0.755	0.874	0.950	0.976	0.989	0.996	0.998	0.999	1.000	1.000
3045.0	0.000	0.005	0.054	0.197	0.471	0.650	0.777	0.878	0.922	0.952	0.976	0.987	0.993	0.997	0.999
3047.5	0.000	0.005	0.042	0.148	0.365	0.533	0.672	0.803	0.867	0.913	0.956	0.976	0.987	0.995	0.997
3050.0	0.000	0.001	0.020	0.102	0.317	0.499	0.651	0.793	0.862	0.911	0.955	0.975	0.987	0.995	0.997
3052.5	0.000	0.002	0.029	0.143	0.407	0.602	0.747	0.864	0.915	0.948	0.975	0.986	0.993	0.997	0.999
3055.0	0.000	0.002	0.027	0.124	0.368	0.551	0.694	0.820	0.878	0.918	0.952	0.971	0.983	0.993	0.996
3057.5	0.000	0.001	0.012	0.064	0.213	0.362	0.512	0.678	0.772	0.842	0.907	0.942	0.966	0.985	0.992
3060.0	0.000	0.000	0.001	0.018	0.126	0.279	0.450	0.645	0.753	0.832	0.903	0.940	0.965	0.985	0.992
3062.5	0.000	0.000	0.001	0.015	0.096	0.212	0.353	0.537	0.655	0.750	0.844	0.897	0.937	0.971	0.985
3065.0	0.000	0.000	0.001	0.016	0.082	0.171	0.281	0.444	0.564	0.671	0.785	0.855	0.909	0.957	0.977
3067.5	0.000	0.000	0.001	0.013	0.077	0.161	0.268	0.431	0.554	0.665	0.783	0.853	0.909	0.957	0.977
3070.0	0.000	0.000	0.003	0.035	0.181	0.338	0.486	0.644	0.737	0.811	0.882	0.922	0.952	0.978	0.988
3072.5	0.000	0.000	0.009	0.075	0.322	0.550	0.730	0.875	0.933	0.965	0.986	0.993	0.997	0.999	0.999
3075.0	0.000	0.000	0.008	0.067	0.288	0.500	0.674	0.825	0.889	0.931	0.965	0.980	0.989	0.996	0.998
3077.5	0.000	0.000	0.006	0.045	0.185	0.325	0.461	0.616	0.713	0.795	0.883	0.931	0.962	0.984	0.992
3080.0	0.000	0.000	0.000	0.005	0.045	0.119	0.229	0.404	0.538	0.664	0.806	0.886	0.937	0.973	0.986
3082.5	0.000	0.000	0.000	0.005	0.049	0.127	0.238	0.412	0.545	0.670	0.811	0.889	0.939	0.974	0.987
3085.0	0.000	0.000	0.004	0.038	0.180	0.326	0.469	0.629	0.727	0.809	0.894	0.938	0.966	0.986	0.993
3087.5	0.000	0.000	0.005	0.057	0.278	0.494	0.677	0.829	0.895	0.937	0.969	0.983	0.991	0.996	0.998
3090.0	0.000	0.000	0.005	0.054	0.261	0.470	0.656	0.820	0.893	0.939	0.972	0.986	0.993	0.997	0.999
3092.5	0.000	0.000	0.001	0.021	0.129	0.263	0.408	0.581	0.692	0.784	0.876	0.922	0.954	0.979	0.989
3095.0	0.000	0.000	0.000	0.002	0.029	0.088	0.190	0.375	0.527	0.657	0.795	0.868	0.919	0.962	0.980
3097.5	0.000	0.000	0.000	0.000	0.001	0.018	0.078	0.241	0.359	0.555	0.726	0.821	0.890	0.948	0.972
3100.0	0.000	0.000	0.000	0.000	0.001	0.015	0.068	0.217	0.366	0.520	0.698	0.802	0.880	0.944	0.970
3102.5	0.000	0.000	0.000	0.000	0.005	0.033	0.104	0.265	0.414	0.561	0.729	0.826	0.897	0.953	0.976
3105.0	0.000	0.000	0.000	0.000	0.006	0.039	0.120	0.290	0.439	0.583	0.743	0.836	0.903	0.957	0.977
3107.5	0.000	0.000	0.000	0.000	0.007	0.046	0.142	0.336	0.494	0.638	0.786	0.867	0.923	0.966	0.982
3110.0	0.000	0.000	0.000	0.001	0.026	0.096	0.217	0.419	0.569	0.696	0.823	0.891	0.916	0.972	0.985
3112.5	0.000	0.000	0.000	0.001	0.025	0.087	0.194	0.380	0.525	0.657	0.795	0.871	0.924	0.964	0.982
3115.0	0.000	0.000	0.000	0.001	0.024	0.081	0.175	0.344	0.484	0.618	0.766	0.850	0.911	0.960	0.979
3117.5	0.000	0.000	0.000	0.000	0.008	0.041	0.110	0.284	0.434	0.581	0.744	0.837	0.905	0.957	0.978
3120.0	0.000	0.000	0.000	0.000	0.009	0.048	0.136	0.322	0.476	0.619	0.771	0.856	0.916	0.962	0.980
3122.5	0.000	0.000	0.000	0.000	0.010	0.052	0.152	0.347	0.502	0.640	0.785	0.866	0.923	0.966	0.982
3125.0	0.000	0.000	0.000	0.000	0.002	0.022	0.088	0.251	0.400	0.548	0.720	0.823	0.897	0.955	0.976
3127.5	0.000	0.000	0.000	0.000	0.004	0.028	0.099	0.265	0.414	0.559	0.729	0.831	0.903	0.958	0.978
3130.0	0.000	0.000	0.000	0.000	0.005	0.038	0.124	0.305	0.455	0.594	0.749	0.839	0.903	0.955	0.976
3132.5	0.000	0.000	0.000	0.000	0.006	0.044	0.142	0.337	0.491	0.625	0.765	0.843	0.901	0.952	0.974
3135.0	0.000	0.000	0.000	0.004	0.052	0.136	0.265	0.463	0.599	0.712	0.821	0.879	0.922	0.961	0.978
3137.5	0.000	0.000	0.002	0.022	0.130	0.271	0.429	0.619	0.732	0.817	0.893	0.930	0.956	0.979	0.988
3140.0	0.000	0.000	0.008	0.060	0.249	0.447	0.631	0.808	0.889	0.940	0.974	0.987	0.994	0.997	0.999
3142.5	0.000	0.000	0.011	0.074	0.284	0.481	0.654	0.814	0.888	0.936	0.971	0.985	0.992	0.997	0.998
3145.0	0.000	0.000	0.013	0.083	0.290	0.474	0.635	0.791	0.866	0.919	0.962	0.980	0.989	0.996	0.998
3147.5	0.000	0.004	0.038	0.142	0.366	0.540	0.686	0.819	0.883	0.928	0.966	0.982	0.990	0.996	0.998
3150.0	0.000	0.011	0.085	0.253	0.517	0.680	0.797	0.894	0.935	0.962	0.982	0.990	0.995	0.998	0.999
3152.5	0.000	0.021	0.142	0.374	0.675	0.826	0.913	0.970	0.987	0.995	0.998	0.999	1.000	1.000	[illegible]
3155.0	0.000	0.024	0.155	0.397	0.697	0.842	0.924	0.978	0.990	0.997	0.999	1.000	1.000	1.000	1.000
3157.5	0.000	0.019	0.122	0.328	0.621	0.786	0.891	0.961	0.987	0.992	0.997	0.999	0.999	1.000	1.000
3160.0	0.000	0.010	0.079	0.251	0.546	0.733	0.858	0.948	0.975	0.989	0.996	0.998	0.999	1.000	1.000
3162.5	0.000	0.004	0.046	0.184	0.464	0.660	0.800	0.909	0.950	0.975	0.989	0.995	0.997	0.999	0.999
3165.0	0.000	0.002	0.035	0.156	0.423	0.616	0.759	0.880	0.931	0.963	0.984	0.992	0.996	0.998	0.999
3167.5	0.000	0.002	0.037	0.169	0.447	0.637	0.773	0.885	0.934	0.964	0.985	0.992	0.996	0.999	0.999
3170.0	0.000	0.001	0.026	0.123	0.356	0.543	0.698	0.840	0.906	0.947	0.977	0.988	0.994	0.998	0.999
3172.5	0.000	0.001	0.020	0.093	0.279	0.458	0.629	0.797	0.878	0.931	0.969	0.984	0.992	0.997	0.998
3175.0	0.000	0.000	0.001	0.010	0.086	0.214	0.377	0.583	0.709	0.803	0.885	0.925	0.952	0.976	0.987
3177.5	0.000	0.000	0.000	0.004	[illegible]	0.116	0.232	0.420	0.559	0.677	0.797	0.862	0.910	0.954	0.975
3180.0	0.000	0.000	0.000	0.000	0.011	0.056	0.155	0.344	0.495	0.628	0.768	0.845	0.901	0.950	0.973
3182.5	0.000	0.000	0.000	0.000	0.010	0.049	0.130	0.315	0.462	0.600	0.752	0.840	0.903	0.954	0.976

U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
3185.0	0.000	0.000	0.000	0.000	0.013	0.061	0.162	0.348	0.494	0.627	0.771	0.857	0.917	0.963	0.981
3187.5	0.000	0.000	0.001	0.018	0.105	0.209	0.326	0.486	0.600	0.701	0.812	0.880	0.930	0.969	0.984
3190.0	0.000	0.000	0.001	0.025	0.169	0.348	0.520	0.693	0.782	0.848	0.909	0.942	0.966	0.985	0.992
3192.5	0.000	0.000	0.002	0.039	0.256	0.503	0.712	0.878	0.938	0.970	0.988	0.995	0.997	0.999	1.000
3195.0	0.000	0.000	0.001	0.022	0.156	0.327	0.494	0.666	0.757	0.826	0.892	0.928	0.955	0.979	0.989
3197.5	0.000	0.000	0.001	0.015	0.092	0.190	0.306	0.448	0.584	0.686	0.796	0.863	0.914	0.959	0.978
3200.0	0.000	0.000	0.001	0.015	0.095	0.193	0.307	0.449	0.585	0.687	0.796	0.863	0.914	0.959	0.978
3202.5	0.000	0.000	0.001	0.016	0.107	0.237	0.388	0.574	0.687	0.775	0.862	0.911	0.946	0.975	0.987
3205.0	0.000	0.000	0.002	0.028	0.189	0.393	0.589	0.776	0.864	0.917	0.959	0.977	0.988	0.995	0.998
3207.5	0.000	0.000	0.001	0.013	0.097	0.224	0.380	0.581	0.704	0.797	0.881	0.923	0.953	0.978	0.988
3210.0	0.000	0.000	0.001	0.012	0.083	0.180	0.302	0.491	0.624	0.732	0.834	0.888	0.929	0.965	0.981
3212.5	0.000	0.000	0.000	0.000	0.002	0.019	0.088	0.270	0.433	0.581	0.734	0.819	0.883	0.942	0.968
3215.0	0.000	0.000	0.000	0.000	0.001	0.015	0.073	0.240	0.398	0.549	0.710	0.802	0.872	0.935	0.964
3217.5	0.000	0.000	0.000	0.000	0.000	0.006	0.043	0.172	0.314	0.464	0.641	0.750	0.838	0.919	0.956
3220.0	0.000	0.000	0.000	0.000	0.000	0.003	0.025	0.117	0.234	0.376	0.563	0.690	0.798	0.900	0.946
3222.5	0.000	0.000	0.000	0.000	0.001	0.013	0.052	0.163	0.286	0.425	0.603	0.722	0.822	0.914	0.954
3225.0	0.000	0.000	0.000	0.001	0.021	0.069	0.203	0.375	0.499	0.613	0.743	0.824	0.889	0.947	0.972
3227.5	0.000	0.000	0.000	0.001	0.024	0.106	0.252	0.476	0.625	0.742	0.853	0.910	0.949	0.977	0.988
3230.0	0.000	0.000	0.000	0.001	0.023	0.101	0.235	0.441	0.581	0.696	0.816	0.884	0.932	0.970	0.984
3232.5	0.000	0.000	0.000	0.001	0.022	0.083	0.193	0.381	0.522	0.648	0.783	0.862	0.920	0.964	0.982
3235.0	0.000	0.000	0.001	0.013	0.102	0.231	0.378	0.555	0.667	0.757	0.851	0.906	0.945	0.976	0.987
3237.5	0.000	0.000	0.001	0.017	0.145	0.332	0.529	0.729	0.828	0.892	0.943	0.967	0.982	0.992	0.996
3240.0	0.000	0.000	0.001	0.022	0.180	0.394	0.605	0.801	0.890	0.942	0.976	0.988	0.994	0.998	0.999
3242.5	0.000	0.000	0.000	0.010	0.099	0.248	0.425	0.631	0.748	0.831	0.901	0.935	0.959	0.980	0.989
3245.0	0.000	0.000	0.000	0.006	0.056	0.147	0.275	0.463	0.594	0.703	0.812	0.872	0.917	0.959	0.977
3247.5	0.000	0.000	0.000	0.001	0.020	0.083	0.202	0.400	0.542	0.664	0.789	0.858	0.909	0.955	0.976
3250.0	0.000	0.000	0.000	0.006	0.071	0.195	0.356	0.556	0.677	0.771	0.862	0.910	0.944	0.973	0.986
3252.5	0.000	0.000	0.000	0.006	0.074	0.211	0.391	0.609	0.730	0.817	0.895	0.933	0.960	0.981	0.990
3255.0	0.000	0.000	0.000	0.005	0.058	0.160	0.301	0.494	0.621	0.723	0.826	0.883	0.927	0.966	0.982
3257.5	0.000	0.000	0.000	0.000	0.006	0.040	0.128	0.313	0.466	0.604	0.751	0.837	0.901	0.954	0.976
3260.0	0.000	0.000	0.000	0.000	0.010	0.051	0.145	0.335	0.491	0.628	0.773	0.856	0.915	0.962	0.980
3262.5	0.000	0.000	0.002	0.024	0.123	0.240	0.377	0.558	0.679	0.777	0.872	0.923	0.957	0.981	0.990
3265.0	0.000	0.000	0.003	0.040	0.215	0.405	0.583	0.756	0.843	0.901	0.948	0.970	0.984	0.993	0.997
3267.5	0.000	0.000	0.005	0.061	0.313	0.557	0.752	0.899	0.950	0.974	0.991	0.996	0.998	0.999	1.000
3270.0	0.000	0.000	0.003	0.037	0.216	0.420	0.615	0.793	0.874	0.922	0.962	0.979	0.989	0.995	0.998
3272.5	0.000	0.000	0.002	0.022	0.131	0.282	0.460	0.662	0.772	0.852	0.924	0.957	0.977	0.991	0.995
3275.0	0.000	0.000	0.000	0.001	0.025	0.097	0.216	0.399	0.532	0.652	0.785	0.860	0.915	0.960	0.979
3277.5	0.000	0.000	0.000	0.000	0.009	0.039	0.101	0.233	0.361	0.498	0.668	0.774	0.858	0.931	0.963
3280.0	0.000	0.000	0.000	0.000	0.002	0.014	0.056	0.177	0.310	0.455	0.640	0.756	0.846	0.926	0.960
3282.5	0.000	0.000	0.000	0.000	0.004	0.028	0.097	0.261	0.412	0.559	0.724	0.820	0.891	0.949	0.973
3285.0	0.000	0.000	0.000	0.003	0.037	0.118	0.253	0.470	0.624	0.747	0.862	0.919	0.955	0.981	0.990
3287.5	0.000	0.000	0.000	0.008	0.086	0.220	0.389	0.607	0.739	0.835	0.914	0.952	0.974	0.989	0.994
3290.0	0.000	0.000	0.000	0.008	0.090	0.233	0.407	0.619	0.742	0.833	0.913	0.951	0.973	0.989	0.994
3292.5	0.000	0.000	0.000	0.006	0.067	0.179	[illegible]	0.529	0.660	0.768	0.873	0.926	0.959	0.983	0.991
3295.0	0.000	0.000	0.000	0.002	0.040	0.131	0.271	0.478	0.619	0.735	0.852	0.912	0.952	0.979	0.989
3297.5	0.000	0.000	0.000	0.004	0.057	0.170	0.327	0.538	0.671	0.775	0.875	0.926	0.959	0.983	0.991
3300.0	0.000	0.000	0.000	0.005	0.073	0.207	0.380	0.598	0.728	0.822	0.907	0.947	0.971	0.988	0.994
3302.5	0.000	0.000	0.000	0.005	0.069	0.199	0.372	0.595	0.728	0.827	0.914	0.952	0.975	0.989	0.995
3305.0	0.000	0.000	0.000	0.003	0.050	0.156	0.313	0.532	0.673	0.783	0.883	0.930	0.961	0.983	0.991
3307.5	0.000	0.000	0.000	0.001	0.028	0.105	0.238	0.449	0.596	0.718	0.837	0.898	0.940	0.973	0.986
3310.0	0.000	0.000	0.000	0.000	0.014	0.071	0.189	0.393	0.544	0.672	0.802	0.872	0.924	0.965	0.982
3312.5	0.000	0.000	0.000	0.001	0.021	0.091	0.221	0.429	0.575	0.696	0.815	0.881	0.928	0.967	0.983
3315.0	0.000	0.000	0.004	0.033	0.146	0.279	0.427	0.606	0.716	0.800	0.880	0.922	0.954	0.979	0.989
3317.5	0.000	0.000	0.005	0.048	0.219	0.399	0.568	0.735	0.821	0.881	0.932	0.957	0.975	0.989	0.994
3320.0	0.000	0.000	0.007	0.068	0.292	0.504	0.681	0.830	0.900	0.943	0.975	0.987	0.994	0.997	0.999
3322.5	0.000	0.000	0.005	0.049	0.231	0.423	0.602	0.774	0.861	0.919	0.964	0.981	0.991	0.996	0.998
3325.0	0.000	0.000	0.005	0.049	0.225	0.412	0.591	0.766	0.857	0.916	0.963	0.981	0.990	0.996	0.998
3327.5	0.000	0.000	0.007	0.058	0.247	0.437	0.613	0.784	0.868	0.924	0.967	0.983	0.991	0.997	0.998
3330.0	0.000	0.000	0.007	0.044	0.271	0.471	0.648	0.808	0.886	0.936	0.973	0.986	0.993	0.997	0.999
3332.5	0.000	0.000	0.008	0.075	0.313	0.533	0.710	0.856	0.920	0.957	0.982	0.991	0.995	0.998	0.999
3335.0	0.000	0.000	0.005	0.048	0.232	0.428	0.609	0.779	0.863	0.916	0.959	0.977	0.988	0.995	0.997
3337.5	0.000	0.000	0.003	0.027	0.139	0.272	0.413	0.585	0.695	0.783	0.871	0.918	0.951	0.977	0.988
3340.0	0.000	0.000	0.000	0.002	0.028	0.094	0.207	0.399	0.546	0.671	0.799	0.869	0.920	0.962	0.980
3342.5	0.000	0.000	0.001	0.017	0.095	0.196	0.318	0.492	0.616	0.721	0.827	0.885	0.929	0.966	0.982
3345.0	0.000	0.000	0.001	0.018	0.118	0.261	0.424	0.619	0.733	0.816	0.893	0.931	0.959	0.981	0.990
3347.5	0.000	0.000	0.001	0.022	0.151	0.330	0.518	0.716	0.815	0.880	0.938	0.965	0.981	0.992	0.996
3350.0	0.000	0.000	0.000	0.008	0.097	0.261	0.460	0.682	0.796	0.871	0.934	0.963	0.980	0.992	0.996
3352.5	0.000	0.000	0.012	0.070	0.247	0.433	0.614	0.792	0.874	0.924	0.963	0.979	0.989	0.995	0.998
3355.0	0.000	0.000	0.012	0.066	0.212	0.350	0.483	0.634	0.724	0.796	0.868	0.908	0.937	0.965	0.979
3357.5	0.000	0.000	0.013	0.077	0.242	0.373	0.486	0.614	0.699	0.774	0.855	0.900	0.933	0.963	0.979
3360.0	0.000	0.000	0.001	0.016	0.101	0.220	0.359	0.537	0.653	0.740	0.844	0.894	0.930	0.962	0.978
3362.5	0.000	0.000	0.002	0.024	0.151	0.321	0.507	0.708	0.815	0.888	0.948	0.972	0.986	0.994	0.997
3365.0	0.000	0.000	0.001	0.015	0.129	0.302	0.497	0.711	0.823	0.897	0.954	0.976	0.988	0.995	0.998
3367.5	0.000	0.000	0.003	0.032	0.180	0.376	0.561	0.752	0.848	0.912	0.961	0.979	0.989	0.996	0.998
3370.0	0.000	0.000	0.002	0.025	0.148	0.311	0.486	0.683	0.789	0.862	0.925	0.954	0.974	0.988	0.994
3372.5	0.000	0.000	0.002	0.021	0.118	0.253	0.413	0.611	0.726	0.810	0.887	0.928	0.957	0.981	0.990
3375.0	0.000	0.000	0.002	0.021	0.130	0.274	0.436	0.628	0.739	0.818	0.891	0.930	0.958	0.981	0.990
3377.5	0.000	0.000	0.007	0.061	0.258	0.450	0.620	0.783	0.857	0.904	0.944	0.965	0.979	0.990	0.995
3380.0	0.000	0.000	0.016	0.117	0.411	0.639	0.804	0.928	0.969	0.986	0.996	0.998	0.999	1.000	1.000
3382.5	0.000	0.001	0.025	0.154	0.474	0.696	0.841	0.947	0.978	0.990	0.997	0.999	1.000	1.000	1.000
3385.0	0.000	0.001	0.022	0.143	0.453	0.675	0.828	0.939	0.975	0.989	0.997	0.999	0.999	1.000	1.000
3387.5	0.000	0.000	0.013	0.091	0.329	0.533	0.700	0.847	0.908	0.943	0.972	0.985	0.992	0.997	0.998
3390.0	0.000	0.000	0.003	0.037	0.196	0.379	0.558	0.739	0.828	0.887	0.940	0.965	0.981	0.992	0.996
3392.5	0.000	0.000	0.000	0.012	0.114	0.269	0.445	0.646	0.756	0.834	0.909	0.946	0.970	0.987	0.994
3395.0	0.000	0.000	0.000	0.010	0.103	0.247	0.449	0.653	0.765	0.844	0.915	0.951	0.973	0.989	0.994
3397.5	0.000	0.000	0.001	0.018	0.138	0.310	0.493	0.690	0.795	0.867	0.932	0.961	0.979	0.991	0.996
3400.0	0.000	0.000	0.001	0.014	0.106	0.246	0.412	0.614	0.732	0.819	0.897	0.935	0.961	0.982	0.990

U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001

WATER VAPOR AT 0.50 ATMOSPHERE PRESSURE
T = 200° K

FREQ.	UPR CM.: 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
947.5	0.478	0.766	0.885	0.956	0.992	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1000.0	0.474	0.760	0.883	0.955	0.992	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1002.5	0.473	0.760	0.884	0.956	0.992	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1005.0	0.472	0.757	0.883	0.955	0.992	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1007.5	0.467	0.755	0.882	0.954	0.991	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1010.0	0.465	0.745	0.876	0.951	0.990	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1012.5	0.468	0.741	0.874	0.949	0.989	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1015.0	0.462	0.736	0.871	0.947	0.989	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1017.5	0.463	0.737	0.871	0.948	0.989	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1020.0	0.464	0.738	0.872	0.948	0.989	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1022.5	0.467	0.741	0.873	0.950	0.990	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1025.0	0.466	0.739	0.873	0.949	0.990	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1027.5	0.465	0.737	0.872	0.949	0.989	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1030.0	0.466	0.732	0.869	0.947	0.989	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1032.5	0.467	0.734	0.869	0.947	0.989	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1035.0	0.462	0.731	0.868	0.945	0.989	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1037.5	0.430	0.730	0.867	0.945	0.989	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1040.0	0.428	0.726	0.865	0.943	0.989	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1042.5	0.429	0.726	0.865	0.943	0.989	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1045.0	0.414	0.719	0.860	0.939	0.988	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1047.5	0.403	0.709	0.854	0.936	0.987	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1050.0	0.394	0.702	0.850	0.933	0.985	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1052.5	0.392	0.701	0.849	0.933	0.986	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1055.0	0.392	0.700	0.849	0.933	0.986	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1057.5	0.392	0.701	0.849	0.933	0.986	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1060.0	0.386	0.697	0.846	0.932	0.986	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1062.5	0.367	0.678	0.833	0.926	0.983	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1065.0	0.368	0.678	0.833	0.926	0.983	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1067.5	0.353	0.666	0.822	0.918	0.980	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1070.0	0.343	0.674	0.821	0.920	0.981	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1072.5	0.348	0.682	0.837	0.927	0.985	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1075.0	0.364	0.678	0.835	0.926	0.984	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1077.5	0.370	0.685	0.839	0.928	0.985	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1080.0	0.373	0.688	0.842	0.930	0.986	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1082.5	0.367	0.683	0.839	0.928	0.986	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1085.0	0.357	0.674	0.834	0.925	0.985	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1087.5	0.349	0.669	0.830	0.922	0.984	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1090.0	0.344	0.665	0.827	0.921	0.983	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1092.5	0.344	0.667	0.828	0.922	0.983	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1095.0	0.339	0.661	0.825	0.920	0.981	0.995	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1097.5	0.320	0.639	0.807	0.907	0.976	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1100.0	0.299	0.615	0.789	0.896	0.969	0.991	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1102.5	0.294	0.608	0.781	0.892	0.967	0.990	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1105.0	0.299	0.611	0.787	0.894	0.970	0.991	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1107.5	0.287	0.602	0.781	0.888	0.968	0.989	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1110.0	0.274	0.585	0.765	0.878	0.959	0.985	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1112.5	0.282	0.597	0.774	0.883	0.962	0.986	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1115.0	0.297	0.618	0.794	0.893	0.971	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1117.5	0.296	0.617	0.795	0.893	0.972	0.992	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1120.0	0.269	0.586	0.772	0.880	0.965	0.989	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1122.5	0.267	0.586	0.771	0.882	0.965	0.988	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1125.0	0.281	0.606	0.788	0.890	0.972	0.991	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1127.5	0.295	0.627	0.806	0.900	0.978	0.995	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1130.0	0.288	0.621	0.802	0.900	0.977	0.994	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1132.5	0.259	0.579	0.765	0.880	0.963	0.987	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1135.0	0.228	0.537	0.728	0.854	0.948	0.981	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1137.5	0.233	0.533	0.725	0.851	0.945	0.979	0.991	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1140.0	0.242	0.543	0.734	0.857	0.950	0.981	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1142.5	0.241	0.543	0.735	0.858	0.951	0.982	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1145.0	0.243	0.571	0.766	0.883	0.964	0.990	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1147.5	0.215	0.532	0.730	0.859	0.953	0.983	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1150.0	0.197	0.507	0.711	0.844	0.946	0.980	0.993	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1152.5	0.199	0.511	0.721	0.854	0.952	0.983	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1155.0	0.221	0.545	0.767	0.873	0.962	0.988	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1157.5	0.223	0.553	0.793	0.878	0.969	0.990	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1160.0	0.214	0.542	0.767	0.875	0.962	0.989	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1162.5	0.189	0.498	0.690	0.829	0.936	0.973	0.990	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
1165.0	0.167	0.479	0.676	0.824	0.934	0.972	0.989	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
1167.5	0.178	0.490	0.694	0.838	0.945	0.978	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1170.0	0.129	0.399	0.604	0.761	0.891	0.943	0.971	0.986	0.993	0.996	0.998	0.999	1.000	1.000	1.000
1172.5	0.119	0.382	0.586	0.744	0.877	0.929	0.961	0.981	0.990	0.995	0.998	0.999	1.000	1.000	1.000
1175.0	0.115	0.377	0.584	0.743	0.878	0.930	0.962	0.982	0.991	0.995	0.998	0.999	1.000	1.000	1.000
1177.5	0.141	0.432	0.642	0.784	0.913	0.956	0.978	0.990	0.995	0.997	0.999	0.999	1.000	1.000	1.000
1180.0	0.167	0.495	0.708	0.825	0.941	0.973	0.988	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000
1182.5	0.159	0.490	0.693	0.821	0.941	0.974	0.990	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
1185.0	0.111	0.373	0.582	0.742	0.879	0.935	0.964	0.984	0.992	0.996	0.998	0.999	1.000	1.000	1.000
1187.5	0.100	0.356	0.562	0.727	0.870	0.930	0.963	0.983	0.991	0.996	0.998	0.999	1.000	1.000	1.000
1190.0	0.114	0.390	0.606	0.765	0.896	0.948	0.974	0.989	0.995	0.998	0.999	0.999	1.000	1.000	1.000
1192.5	0.151	0.446	0.663	0.818	0.934	0.973	0.991	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1195.0	0.152	0.454	0.668	0.822	0.936	0.974	0.991	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1197.5	0.112	0.365	0.597	0.758	0.890	0.945	0.973	0.989	0.996	0.998	0.999	0.999	1.000	1.000	1.000
1200.0	0.103	0.368	0.582	0.764	0.880	0.935	0.969	0.987	0.994	0.997	0.999	0.999	1.000	1.000	1.000
1202.5	0.109	0.377	0.592	0.766	0.891	0.944	0.975	0.990	0.996	0.998	0.999	1.000	1.000	1.000	1.000
1205.0	0.110	0.394	0.615	0.779	0.909	0.960	0.982	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000
1207.5	0.113	0.324	0.536	0.707	0.856	0.923	0.959	0.983	0.993	0.997	0.999	0.999	1.000	1.000	1.000
1210.0	0.059	0.243	0.453	0.638	0.803	0.897	0.937	0.971	0.986	0.992	0.997	0.998	0.999	1.000	1.000
1212.5	0.053	0.253	0.461	0.639	0.806	0.902	0.941	0.973	0.987	0.993	0.997	0.998	0.999	1.000	1.000
1215.0	0.058	0.266	0.478	0.648	0.812	0.907	0.944	0.975	0.988	0.994	0.997	0.998	0.999	1.000	1.000
1217.5	0.072	0.288	0.499	0.662	0.823	0.913	0.948	0.977	0.989	0.994	0.997	0.998	0.999	1.000	1.000
1220.0	0.044	0.253	0.459	0.642	0.811	0.911	0.947	0.977	0.989	0.994	0.997	0.998	0.999	1.000	1.000
1222.5	0.042	0.236	0.431	0.616	0.792	0.893	0.937	0.969	0.984	0.992	0.997	0.998	0.999	1.000	1.000
1225.0	0.038	0.214	0.416	0.598	0.778	0.884	0.931	0.967	0.983	0.992	0.996	0.998	0.999	1.000	1.000
1227.5	0.050	0.251	0.455	0.637	0.806	0.906	0.944	0.973	0.987	0.993	0.997	0.998	0.999	1.000	1.000
1230.0	0.077	0.292	0.498	0.674	0.831	0.919	0.952	0.978	0.990	0.995	0.998	0.999	1.000	1.000	1.000
1232.5	0.079	0.343	0.571	0.747	0.889	0.944	0.970	0.988	0.995	0.998	0.999	1.000	1.000	1.000	1.000
1235.0	0.056	0.277	0.496	0.677	0.868	0.911	0.955	0.988	0.998	0.999	0.999	1.000	1.000	1.000	1.000
1237.5	0.037	0.227	0.430	0.628	0.807	0.898	0.948	0.984	0.996	0.999	0.999	1.000	1.000	1.000	1.000
1240.0	0.034	0.216	0.421	0.611	0.796	0.891	0.944	0.983	0.996	0.999	0.999	1.000	1.000	1.000	1.000
1242.5	0.035	0.219	0.378	0.596	0.793	0.887	0.944	0.983	0.996	0.999	0.999	1.000	1.000	1.000	1.000
1245.0	0.035	0.207	0.409	0.596	0.773	0.885	0.943	0.983	0.996	0.999	0.999	1.000	1.000	1.000	1.000
1247.5	0.032	0.207	0.410	0.599	0.783	0.869	0.922	0.968	0.987	0.996	0.999	0.999	1.000	1.000	1.000
1250.0	0.029	0.188	0.381	0.565	0.763	0.858	0.917	0.962	0.985	0.995	0.998	0.999	1.000	1.000	1.000
1252.5	0.013	0.151	0.338	0.524	0.715	0.825	0.897	0.951	0.977	0.990	0.996	0.998	0.999	1.000	1.000
1255.0	0.013	0.131	0.318	0.504	0.715	0.825	0.897	0.951	0.977	0.990	0.996	0.998	0.999	1.000	1.000
1257.5	0.016	0.141	0.336	0.529	0.733	0.833	0.896	0.944	0.973	0.988	0.995	0.998	0.999	1.000	1.000
1260.0	0.009	0.111	0.291	0.471	0.684	0.794	0.867	0.923	0.950	0.970	0.986	0.993	0.998	0.999	0.999
1262.5	0.008	0.078	0.252	0.410	0.638	0.761	0.842	0.904	0.941	0.967	0.984	0.993	0.998	0.999	0.999
1265.0	0.003	0.055	0.177	0.352	0.585	0.728	0.822	0.896	0.941	0.967	0.984	0.993	0.998	0.999	0.999
1267.5	0.003	0.055	0.156	0.334	0.574	0.716	0.814	0.892	0.939	0.967	0.984	0.993	0.998	0.999	0.999
1270.0	0.000	0.017	0.083	0.210	0.426	0.577	0.705	0.826	0.894	0.932	0.967	0.982	0.991	0.996	0.998
1272.5	0.007	0.071	0.198	0.352	0.595	0.679	0.776	0.863	0.911	0.944	0.972	0.985	0.992	0.997	0.998
1275.0	0.015	0.144	0.339	0.534	0.734	0.824	0.893	0.939	0.965	0.982	0.992	0.996	0.998	0.999	0.999
1277.5	0.014	0.144	0.344	0.536	0.734	0.824	0.893	0.939	0.965	0.982	0.992	0.996	0.998	0.999	0.999
1280.0	0.009	0.106	0.269	0.462	0.668	0.785	0.862	0.916	0.950	0.975	0.989	0.995	0.998	0.999	0.999
1282.5	0.002	0.064	0.159	0.338	0.568	0.712	0.816	0.894	0.941	0.969	0.986	0.994	0.998	0.999	0.999
1285.0	0.001	0.039	0.143	0.306	0.548	0.683	0.797	0.884	0.938	0.966	0.983	0.993	0.998	0.999	0.999
1287.5	0.004	0.067	0.282	0.382	0.610	0.732	0.839	0.911	0.952	0.973	0.988	0.995	0.998	0.999	0.999
1290.0	0.008	0.118	0.298	0.463	0.713	0.813	0.900	0.945	0.971	0.986	0.994	0.997	0.999	0.999	0.999
1292.5	0.007	0.101	0.270	0.465	0.692	0.816	0.897	0.953	0.975	0.986	0.994	0.997	0.999	0.999	0.999
1295.0	0.005	0.070	0.197	0.368	0.601	0.745	0.849	0.928	0.965	0.984	0.993	0.997	0.999	0.999	0.999
1297.5	0.004	0.069	0.195	0.365	0.599	0.744	0.849	0.928	0.965	0.984	0.993	0.997	0.999	0.999	0.999
1300.0	0.007	0.107	0.284	0.444	0.710	0.830	0.907	0.953	0.977	0.988	0.995	0.998	0.999	0.999	0.999
1302.5	0.009	0.149	0.380	0.515	0.781	0.873	0.938	0.971	0.986	0.994	0.997	0.999	0.999	0.999	0.999
1305.0	0.006	0.144	0.376	0.518	0.778	0.872	0.938	0.971	0.986	0.994	0.997	0.999	0.999	0.999	0.999
1307.5	0.003	0.068	0.210	0.395	0.621	0.758	0.862	0.917	0.951	0.976	0.989	0.995	0.998	0.999	0.999

FREQ	UPR CM.: 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1310.0	0.000	0.020	0.084	0.196	0.383	0.530	0.663	0.802	0.877	0.929	0.968	0.985	0.992	0.997	0.998
1312.5	0.000	0.002	0.017	0.049	0.216	0.366	0.527	0.712	0.817	0.892	0.951	0.976	0.987	0.995	0.997
1315.0	0.000	0.000	0.002	0.016	0.114	0.237	0.390	0.597	0.734	0.841	0.919	0.961	0.982	0.993	0.996
1317.5	0.000	0.001	0.010	0.036	0.206	0.366	0.524	0.694	0.792	0.884	0.950	0.980	0.992	0.997	0.998
1320.0	0.000	0.003	0.027	0.106	0.296	0.463	0.610	0.755	0.838	0.896	0.939	0.965	0.981	0.992	0.996
1322.5	0.000	0.003	0.044	0.148	0.363	0.536	0.679	0.813	0.876	0.920	0.958	0.976	0.987	0.995	0.997
1325.0	0.000	0.006	0.049	0.164	0.390	0.568	0.715	0.850	0.910	0.948	0.974	0.987	0.993	0.997	0.999
1327.5	0.000	0.007	0.055	0.177	0.408	0.588	0.741	0.864	0.921	0.953	0.981	0.990	0.995	0.998	0.999
1330.0	0.000	0.005	0.047	0.162	0.392	0.572	0.720	0.857	0.917	0.950	0.980	0.990	0.995	0.998	0.999
1332.5	0.000	0.005	0.040	0.141	0.354	0.530	0.683	0.831	0.898	0.941	0.973	0.988	0.993	0.997	0.998
1335.0	0.000	0.001	0.016	0.069	0.221	0.390	0.541	0.723	0.817	0.886	0.942	0.968	0.983	0.993	0.996
1337.5	0.000	0.000	0.007	0.030	0.102	0.219	0.364	0.562	0.684	0.797	0.887	0.935	0.968	0.987	0.994
1340.0	0.000	0.000	0.001	0.010	0.077	0.177	0.318	0.521	0.652	0.760	0.868	0.923	0.958	0.982	0.991
1342.5	0.000	0.000	0.003	0.030	0.103	0.244	0.373	0.598	0.756	0.822	0.904	0.944	0.969	0.987	0.993
1345.0	0.000	0.000	0.003	0.033	0.125	0.320	0.481	0.623	0.771	0.843	0.896	0.941	0.965	0.980	0.991
1347.5	0.000	0.000	0.003	0.035	0.139	0.366	0.547	0.695	0.820	0.879	0.919	0.951	0.971	0.984	0.993
1350.0	0.000	0.000	0.003	0.013	0.077	0.273	0.453	0.613	0.771	0.845	0.896	0.941	0.965	0.980	0.990
1352.5	0.000	0.000	0.001	0.011	0.071	0.260	0.442	0.607	0.771	0.850	0.902	0.947	0.970	0.983	0.993
1355.0	0.000	0.000	0.000	0.004	0.045	0.202	0.378	0.538	0.703	0.793	0.870	0.920	0.955	0.978	0.989
1357.5	0.000	0.000	0.002	0.017	0.095	0.234	0.394	0.560	0.710	0.803	0.893	0.950	0.974	0.988	0.994
1360.0	0.000	0.000	0.000	0.003	0.039	0.119	0.244	0.457	0.611	0.733	0.847	0.905	0.944	0.975	0.987
1362.5	0.000	0.000	0.000	0.001	0.021	0.080	0.191	0.369	0.540	0.668	0.797	0.864	0.922	0.964	0.981
1365.0	0.000	0.000	0.000	0.000	0.009	0.046	0.141	0.314	0.491	0.630	0.761	0.831	0.899	0.951	0.972
1367.5	0.000	0.000	0.000	0.000	0.007	0.039	0.125	0.297	0.479	0.621	0.757	0.829	0.896	0.949	0.971
1370.0	0.000	0.000	0.000	0.000	0.007	0.038	0.124	0.296	0.478	0.620	0.756	0.828	0.895	0.948	0.970
1372.5	0.000	0.000	0.000	0.000	0.002	0.035	0.117	0.290	0.454	0.599	0.732	0.828	0.876	0.918	0.957	0.976
1375.0	0.000	0.000	0.000	0.000	0.000	0.014	0.064	0.178	0.331	0.526	0.676	0.783	0.851	0.900	0.947	0.970
1377.5	0.000	0.000	0.000	0.000	0.000	0.003	0.022	0.099	0.217	0.425	0.597	0.721	0.817	0.879	0.935	0.963
1380.0	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.045	0.122	0.294	0.485	0.629	0.741	0.817	0.887	0.927
1382.5	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.102	0.248	0.446	0.692	0.813	0.890	0.948	0.972	0.985
1385.0	0.000	0.000	0.000	0.000	0.000	0.001	0.007	0.081	0.206	0.368	0.595	0.683	0.782	0.872	0.917	0.948
1387.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.079	0.176	0.356	0.484	0.654	0.784	0.864	0.911
1390.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.014	0.070	0.234	0.357	0.554

WATER VAPOR AT 0.50 ATMOSPHERE PRESSURE

T = 200° K

FREQ	UPR CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1935.0	0.000	0.000	0.002	0.028	0.189	0.399	0.809	0.804	0.890	0.960	0.974	0.987	0.994	0.998	0.999
1937.5	0.000	0.000	0.000	0.009	0.093	0.251	0.390	0.574	0.682	0.768	0.869	0.893	0.926	0.956	0.972
1940.0	0.000	0.000	0.000	0.004	0.054	0.173	0.229	0.398	0.493	0.605	0.729	0.803	0.880	0.936	0.966
1942.5	0.000	0.000	0.000	0.000	0.003	0.020	0.076	0.216	0.306	0.447	0.654	0.751	0.825	0.898	0.937
1945.0	0.000	0.000	0.000	0.000	0.001	0.004	0.011	0.079	0.154	0.342	0.709	0.793	0.799	0.922	0.953
1947.5	0.000	0.000	0.001	0.016	0.089	0.190	0.321	0.508	0.634	0.736	0.835	0.887	0.937	0.963	0.980
1950.0	0.000	0.000	0.002	0.023	0.139	0.283	0.441	0.628	0.737	0.818	0.892	0.929	0.956	0.979	0.988
1952.5	0.000	0.000	0.003	0.035	0.190	0.367	0.562	0.741	0.831	0.891	0.944	0.968	0.983	0.993	0.996
1955.0	0.000	0.000	0.006	0.050	0.250	0.460	0.684	0.835	0.902	0.952	0.977	0.988	0.992	0.996	0.998
1957.5	0.000	0.000	0.008	0.061	0.293	0.541	0.809	0.904	0.941	0.895	0.965	0.984	0.985	0.993	0.996
1960.0	0.000	0.000	0.009	0.072	0.286	0.487	0.857	0.804	0.873	0.919	0.959	0.977	0.988	0.995	0.997
1962.5	0.000	0.000	0.005	0.041	0.183	0.339	0.592	0.654	0.769	0.821	0.890	0.929	0.952	0.976	0.987
1965.0	0.000	0.000	0.003	0.023	0.109	0.212	0.341	0.514	0.629	0.725	0.822	0.871	0.917	0.957	0.976
1967.5	0.000	0.001	0.010	0.052	0.162	0.273	0.392	0.552	0.658	0.766	0.834	0.883	0.921	0.959	0.977
1970.0	0.000	0.001	0.023	0.112	0.318	0.478	0.610	0.760	0.851	0.864	0.913	0.939	0.960	0.979	0.988
1972.5	0.000	0.003	0.040	0.173	0.458	0.657	0.798	0.903	0.944	0.968	0.985	0.992	0.996	0.998	0.999
1975.0	0.000	0.004	0.048	0.169	0.441	0.647	0.781	0.886	0.937	0.955	0.978	0.988	0.996	0.997	0.999
1977.5	0.000	0.004	0.044	0.151	0.397	0.603	0.809	0.869	0.931	0.965	0.981	0.990	0.995	0.998	0.999
1980.0	0.000	0.012	0.097	0.292	0.585	0.753	0.859	0.932	0.960	0.975	0.988	0.994	0.997	0.999	0.999
1982.5	0.000	0.011	0.082	0.264	0.565	0.748	0.853	0.952	0.977	0.980	0.994	0.997	0.998	1.000	1.000
1985.0	0.000	0.003	0.036	0.142	0.379	0.568	0.718	0.845	0.901	0.936	0.969	0.978	0.987	0.994	0.997
1987.5	0.000	0.000	0.007	0.046	0.179	0.317	0.455	0.613	0.709	0.786	0.862	0.903	0.939	0.964	0.979
1990.0	0.000	0.000	0.000	0.006	0.049	0.098	0.165	0.298	0.398	0.495	0.616	0.696	0.795	0.879	0.931
1992.5	0.000	0.000	0.000	0.000	0.007	0.024	0.064	0.257	0.492	0.616	0.752	0.829	0.886	0.931	0.961
1995.0	0.000	0.000	0.000	0.000	0.001	0.001	0.012	0.085	0.191	0.328	0.505	0.624	0.724	0.830	0.888
1997.5	0.000	0.000	0.005	0.037	0.170	0.329	0.483	0.670	0.767	0.839	0.928	0.944	0.966	0.984	0.991
2000.0	0.000	0.000	0.002	0.162	0.378	0.574	0.683	0.809	0.865	0.911	0.968	0.967	0.983	0.992	0.996
2002.5	0.000	0.018	0.132	0.295	0.560	0.714	0.819	0.899	0.932	0.954	0.974	0.981	0.990	0.996	0.998
2005.0	0.000	0.023	0.152	0.318	0.568	0.752	0.845	0.952	0.972	0.974	0.990	0.994	0.995	0.998	0.999
2007.5	0.000	0.013	0.081	0.224	0.458	0.648	0.737	0.845	0.901	0.941	0.974	0.986	0.993	0.997	0.999
2010.0	0.000	0.007	0.046	0.181	0.419	0.589	0.720	0.838	0.897	0.940	0.973	0.986	0.993	0.997	0.999
2012.5	0.000	0.004	0.032	0.141	0.344	0.508	0.645	0.781	0.855	0.914	0.966	0.979	0.990	0.996	0.998
2015.0	0.000	0.005	0.038	0.110	0.284	0.403	0.534	0.681	0.765	0.831	0.896	0.930	0.974	0.977	0.987
2017.5	0.000	0.007	0.042	0.090	0.242	0.350	0.442	0.577	0.660	0.730	0.829	0.884	0.933	0.967	0.983
2020.0	0.000	0.005	0.039	0.127	0.304	0.450	0.580	0.718	0.797	0.859	0.919	0.949	0.969	0.985	0.992
2022.5	0.000	0.006	0.048	0.160	0.381	0.546	0.679	0.802	0.867	0.915	0.959	0.977	0.985	0.994	0.997
2025.0	0.000	0.008	0.060	0.184	0.409	0.569	0.695	0.811	0.873	0.920	0.961	0.970	0.986	0.994	0.998
2027.5	0.003	0.020	0.157	0.318	0.562	0.727	0.827	0.909	0.932	0.944	0.977	0.984	0.991	0.996	0.998
2030.0	0.004	0.019	0.128	0.331	0.652	0.772	0.852	0.935	0.963	0.964	0.982	0.990	0.995	0.998	0.999
2032.5	0.000	0.011	0.102	0.263	0.562	0.751	0.840	0.947	0.977	0.972	0.987	0.993	0.997	0.999	0.999
2035.0	0.003	0.074	0.249	0.473	0.723	0.847	0.920	0.968	0.984	0.992	0.997	0.998	0.999	1.000	1.000
2037.5	0.002	0.045	0.165	0.336	0.560	0.695	0.796	0.878	0.918	0.946	0.971	0.983	0.991	0.996	0.998
2040.0	0.001	0.021	0.084	0.201	0.421	0.604	0.731	0.861	0.921	0.956	0.979	0.988	0.994	0.997	0.999
2042.5	0.000	0.004	0.032	0.106	0.275	0.422	0.559	0.706	0.789	0.854	0.919	0.952	0.976	0.988	0.995
2045.0	0.001	0.034	0.120	0.250	0.442	0.576	0.685	0.795	0.854	0.882	0.942	0.962	0.982	0.994	0.997
2047.5	0.007	0.099	0.267	0.463	0.679	0.796	0.867	0.925	0.951	0.968	0.983	0.990	0.995	0.998	0.999
2050.0	0.016	0.117	0.286	0.433	0.653	0.772	0.847	0.922	0.952	0.972	0.988	0.994	0.997	0.999	0.999
2052.5	0.020	0.206	0.457	0.681	0.868	0.943	0.978	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2055.0	0.017	0.178	0.423	0.647	0.848	0.933	0.970	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2057.5	0.028	0.107	0.286	0.493	0.716	0.828	0.896	0.942	0.962	0.975	0.988	0.993	0.996	0.998	0.999
2060.0	0.002	0.043	0.143	0.286	0.483	0.612	0.715	0.832	0.886	0.907	0.967	0.968	0.982	0.992	0.996
2062.5	0.000	0.018	0.069	0.158	0.355	0.495	0.595	0.738	0.818	0.880	0.932	0.955	0.975	0.988	0.995
2065.0	0.000	0.013	0.059	0.144	0.311	0.449	0.576	0.713	0.796	0.858	0.910	0.930	0.961	0.981	0.991
2067.5	0.004	0.061	0.201	0.341	0.583	0.715	0.756	0.842	0.882	0.926	0.954	0.973	0.986	0.993	0.997
2070.0	0.004	0.061	0.231	0.351	0.598	0.778	0.856	0.942	0.967	0.966	0.979	0.986	0.994	0.997	0.999
2072.5	0.005	0.081	0.234	0.426	0.642	0.760	0.840	0.904	0.940	0.964	0.984	0.991	0.996	0.998	0.999
2075.0	0.015	0.121	0.276	0.453	0.652	0.767	0.840	0.905	0.940	0.964	0.984	0.991	0.996	0.998	0.999
2077.5	0.022	0.144	0.291	0.453	0.650	0.749	0.824	0.892	0.929	0.957	0.979	0.989	0.995	0.998	0.999
2080.0	0.035	0.230	0.451	0.651	0.826	0.907	0.951	0.979	0.989	0.995	0.998	0.999	0.999	1.000	1.000
2082.5	0.033	0.229	0.455	0.651	0.827	0.909	0.953	0.979	0.989	0.995	0.998	0.999	0.999	1.000	1.000
2085.0	0.041	0.213	0.429	0.630	0.810	0.895	0.941	0.971	0.986	0.993	0.997	0.998	0.999	1.000	1.000
2087.5	0.038	0.140	0.309	0.489	0.687	0.789	0.860	0.921	0.950	0.969	0.985	0.992	0.996	0.998	0.999
2090.0	0.025	0.115	0.276	0.455	0.672	0.778	0.852	0.917	0.947	0.967	0.983	0.991	0.996	0.998	0.999
2092.5	0.004	0.060	0.210	0.375	0.578	0.704	0.793	0.885	0.917	0.947	0.973	0.985	0.994	0.997	0.999
2095.0	0.015	0.129	0.299	0.483	0.682	0.790	0.859	0.918	0.947	0.967	0.984	0.991	0.995	0.998	0.999
2097.5	0.028	0.195	0.400	0.564	0.776	0.865	0.915	0.955	0.975	0.986	0.994	0.997	0.999	1.000	1.000
2100.0	0.032	0.204	0.411	0.568	0.778	0.865	0.918	0.956	0.976	0.987	0.994	0.997	0.999	1.000	1.000
2102.5	0.026	0.173	0.354	0.533	0.719	0.818	0.880	0.931	0.961	0.979	0.991	0.995	0.998	0.999	1.000
2105.0	0.018	0.118	0.277	0.472	0.676	0.780	0.853	0.916	0.949	0.972	0.988	0.994	0.997	0.999	0.999
2107.5	0.034	0.177	0.344	0.514	0.698	0.798	0.863	0.921	0.952	0.973	0.987	0.994	0.997	0.999	0.999
2110.0	0.039	0.205	0.390	0.567	0.764	0.854	0.890	0.937	0.961	0.978	0.990	0.995	0.997	0.999	0.999
2112.5	0.045	0.215	0.376	0.566	0.753	0.838	0.884	0.933	0.960	0.977	0.989	0.995	0.997	0.999	0.999
2115.0	0.059	0.268	0.458	0.632	0.793	0.871	0.917	0.952	0.971	0.983	0.993	0.996	0.998	0.999	1.000
2117.5	0.069	0.278	0.505	0.679	0.829	0.898	0.936	0.965	0.977	0.988	0.995	0.997	0.999	0.999	1.000
2120.0	0.077	0.272	0.539	0.715	0.866	0.931	0.960	0.979	0.987	0.992	0.997	0.998	0.999	1.000	1.000
2122.5	0.043	0.228	0.428	0.612	0.783	0.866	0.915	0.954	0.973	0.985	0.994	0.997	0.998	0.999	1.000
2125.0	0.036	0.204	0.394	0.577	0.756	0.844	0.898	0.942	0.965	0.980	0.991	0.996	0.998	0.999	1.000
2127.5	0.042	0.208	0.387	0.574	0.744	0.829	0.879	0.929	0.957	0.976	0.989	0.995	0.997	0.999	1.000
2130.0	0.050	0.255	0.523	0.742	0.875	0.935	0.957	0.976	0.985	0.991	0.996	0.998	0.999	0.999	1.000
2132.5	0.080	0.335	0.603	0.784	0.904	0.953	0.974	0.990	0.994	0.998	0.999	1.000	1.000	1.000	1.000
2135.0	0.068	0.317	0.570	0.748	0.880	0.940	0.963	0.981	0.991	0.996	0.998	0.999	1.000	1.000	1.000
2137.5	0.058	0.315	0.566	0.747	0.883	0.941	0.964	0.982	0.991	0.996	0.998	0.999	1.000	1.000	1.000
2140.0	0.049	0.270	0.493	0.696	0.852	0.925	0.955	0.977	0.988	0.995	0.997	0.999	1.000	1.000	1.000
2142.5	0.080	0.328	0.560	0.748	0.884	0.945	0.967	0.983	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2145.0	0.064	0.280	0.489	0.660	0.818	0.889	0.934	0.968	0.983	0.991	0.996	0.998	0.999	1.000	1.000
2147.5	0.089	0.321	0.519	0.683	0.828	0.895	0.936	0.969	0.983	0.991	0.996	0.998	0.999	1.000	1.000
2150.0	0.096	0.341	0.548	0.708	0.847	0.907	0.939	0.970	0.984	0.992	0.996	0.998	0.999	1.000	1.000
2152.5	0.090	0.321	0.521	0.698	0.836	0.900	0.939	0.969	0.983	0.991	0.996	0.998	0.999	1.000	1.000
2155.0	0.063	0.268	0.455	0.627	0.788	0.865	0.917	0.962	0.980	0.990	0.995	0.997	0.999	1.000	1.000
2157.5	0.079	0.297	0.493	0.663	0.817	0.890	0.933	0.967	0.982	0.991	0.996	0.998	0.999	1.000	1.000
2160.0	0.095	0.337	0.540	0.705	0.847	0.911	0.947	0.976	0.988	0.993	0.997	0.998	0.999	1.000	1.000
2162.5	0.115	0.357	0.581	0.740	0.876	0.927	0.954	0.978	0.988	0.994	0.997	0.999	0.999	1.000	1.000
2165.0	0.149	0.384	0.614	0.772	0.893	0.939	0.962	0.980	0.990	0.995	0.998	0.999	0.999	1.000	1.000
2167.5	0.151	0.140	0.644	0.791	0.903	0.947	0.967	0.982	0.990	0.995	0.998	0.999	1.000	1.000	1.000
2170.0	0.134	0.365	0.625	0.784	0.901	0.945	0.967	0.982	0.991	0.995	0.998	0.999	1.000	1.000	1.000
2172.5	0.139	0.402	0.596	0.742	0.862	0.931	0.962	0.968	0.981	0.989	0.995	0.998	0.999	1.000	1.000
2175.0	0.191	0.493	0.688	0.820	0.918	0.953	0.971	0.983	0.990	0.995	0.998	0.999	1.000	1.000	1.000
2177.5	0.221	0.523	0.717	0.841	0.930	0.963	0.978	0.988	0.993	0.997	0.998	0.999	1.000	1.000	1.000
2180.0	0.195	0.502	0.699	0.830	0.928	0.963	0.980	0.991	0.995	0.998	0.999	1.000	1.000	1.000	1.000
2182.5	0.152	0.428	0.625	0.771	0.889	0.939	0.966	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2185.0	0.131	0.396	0.593	0.763	0.873	0.929	0.961	0.982	0.991	0.995	0.998	0.999	1.000	1.000	1.000
2187.5	0.169	0.473	0.675	0.783	0.898	0.951	0.974	0.986	0.993	0.997	0.998	0.999	1.000	1.000	1.000
2190.0	0.209	0.531	0.721	0.831	0.931	0.966	0.983	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2192.5	0.254	0.577	0.753	0.850	0.939	0.969	0.985	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2195.0	0.258	0.593	0.767	0.883	0.945	0.968	0.985	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000
2197.5	0.244	0.559	0.744	0.865	0.932	0.958	0.980	0.993	0.996	0.998	1.000	1.000	1.000	1.000	1.000
2200.0	0.227	0.534	0.712	0.848	0.928	0.963	0.983	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2202.5	0.178	0.464	0.659	0.800	0.912	0.954	0.975	0.988	0.994	0.997	0.999	1.000	1.000	1.000	1.000
2205.0	0.141	0.409	0.605	0.757	0.889	0.940	0.969	0.987	0.994	0.997	0.999	1.000	1.000	1.000	1.000
2207.5	0.141	0.409	0.605	0.757	0.889	0.940	0.969	0.987	0.994	0.997	0.999	1.000	1.000	1.000	1.000
2210.0	0.136	0.394	0.593	0.746	0.881	0.936	0.966	0.985	0.993	0.996	0.998	0.999	1.000	1.000	1.000
2212.5	0.186	0.467	0.658	0.798	0.913	0.956	0.978	0.990	0.995	0.997	0.999	1.000	1.000	1.000	1.000
2215.0	0.248	0.553	0.732	0.848	0.935	0.967	0.983	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2217.5	0.309	0.651	0.816	0.913	0.963	0.984	0.993	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2220.0	0.317	0.662	0.824	0.917	0.964	0.984	0.993	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2222.5	0.273	0.589	0.763	0.878	0.938	0.980	0.990	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2225.0	0.223	0.522	0.705	0.837	0.931	0.964	0.981	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2227.5	0.206	0.499	0.685	0.820	0.925	0.961	0.979	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2230.0	0.232	0.530	0.723	0.850	0.935	0.967	0.983	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2232.5	0.277	0.600	0.777	0.892	0.950	0.978	0.988	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2235.0	0.290	0.616	0.791	0.901	0.955	0.981	0.990	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2237.5	0.320	0.648	0.815	0.918	0.962	0.985	0.993	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2240.0	0.331	0.659	0.824	0.922	0.965	0.986	0.994	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2242.5	0.330	0.657	0.826	0.922	0.965	0.986	0.994	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2245.0	0.340	0.666	0.827	0.923	0.964	0.986	0.994	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000

FREQ	UPR CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
2247.5	0.332	0.654	0.818	0.918	0.981	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2250.0	0.339	0.661	0.808	0.911	0.978	0.993	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2252.5	0.326	0.650	0.811	0.912	0.976	0.993	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2255.0	0.332	0.655	0.811	0.918	0.981	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2257.5	0.343	0.665	0.826	0.923	0.983	0.995	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2260.0	0.352	0.676	0.836	0.929	0.986	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2262.5	0.364	0.686	0.842	0.932	0.987	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2265.0	0.372	0.695	0.847	0.935	0.988	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2267.5	0.368	0.688	0.842	0.932	0.987	0.997	1.000	1.000	1.002	1.000	1.000	1.000	1.000	1.000	1.000
2270.0	0.356	0.676	0.834	0.927	0.985	0.995	0.999	1.000	1.005	1.000	1.000	1.000	1.000	1.000	1.000
2272.5	0.357	0.676	0.834	0.927	0.985	0.995	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2275.0	0.363	0.683	0.838	0.930	0.987	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2277.5	0.376	0.693	0.846	0.934	0.988	0.997	0.999	1.000	1.002	1.000	1.000	1.000	1.000	1.000	1.000
2280.0	0.371	0.691	0.844	0.934	0.988	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2282.5	0.370	0.688	0.844	0.934	0.989	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2285.0	0.383	0.701	0.850	0.937	0.990	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2287.5	0.395	0.710	0.856	0.940	0.991	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2290.0	0.397	0.713	0.857	0.941	0.991	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2292.5	0.386	0.701	0.850	0.937	0.989	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2295.0	0.386	0.702	0.850	0.937	0.989	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2297.5	0.386	0.688	0.848	0.936	0.989	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2300.0	0.387	0.702	0.850	0.937	0.990	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2302.5	0.398	0.710	0.856	0.940	0.990	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2305.0	0.399	0.713	0.857	0.941	0.991	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2307.5	0.408	0.719	0.861	0.944	0.992	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2310.0	0.409	0.721	0.862	0.944	0.992	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2312.5	0.410	0.722	0.863	0.944	0.992	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2315.0	0.406	0.718	0.860	0.943	0.991	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2317.5	0.403	0.715	0.858	0.942	0.991	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2320.0	0.410	0.721	0.863	0.944	0.992	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2322.5	0.419	0.727	0.867	0.946	0.993	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2325.0	0.421	0.727	0.866	0.946	0.993	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2327.5	0.426	0.731	0.869	0.947	0.993	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2330.0	0.427	0.732	0.870	0.948

WATER VAPOR AT 0.50 ATMOSPHERE PRESSURE

T = 200° K

FREQ.	50.00	30.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
UNITS (CM.)																
2872.5	0.182	0.465	0.660		0.796	0.907	0.952	0.976	0.991	0.995	0.998	0.999	1.000	1.000	1.000	
2875.0	0.126	0.396	0.595		0.744	0.880	0.937	0.968	0.987	0.994	0.997	0.999	0.999	1.000	1.000	
2877.5	0.121	0.367	0.565		0.721	0.863	0.925	0.961	0.984	0.992	0.996	0.998	0.999	1.000	1.000	
2880.0	0.140	0.385	0.588		0.735	0.866	0.927	0.962	0.985	0.992	0.996	0.998	0.999	1.000	1.000	
2882.5	0.218	0.507	0.690		0.811	0.909	0.950	0.975	0.988	0.995	0.997	0.999	0.999	1.000	1.000	
2885.0	0.232	0.537	0.722		0.840	0.928	0.963	0.982	0.993	0.996	0.998	0.999	1.000	1.000	1.000	
2887.5	0.208	0.447	0.686		0.817	0.919	0.959	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	
2890.0	0.135	0.394	0.596		0.751	0.885	0.940	0.970	0.988	0.994	0.997	0.999	1.000	1.000	1.000	
2892.5	0.109	0.346	0.548		0.714	0.852	0.926	0.962	0.983	0.992	0.996	0.998	0.999	1.000	1.000	
2895.0	0.112	0.354	0.556		0.719	0.860	0.923	0.960	0.982	0.992	0.996	0.998	0.999	1.000	1.000	
2897.5	0.162	0.431	0.627		0.769	0.888	0.938	0.968	0.987	0.993	0.997	0.999	0.999	1.000	1.000	
2900.0	0.172	0.453	0.656		0.783	0.896	0.944	0.969	0.987	0.993	0.996	0.998	0.999	1.000	1.000	
2902.5	0.138	0.420	0.628		0.764	0.888	0.942	0.974	0.988	0.993	0.996	0.998	0.999	1.000	1.000	
2905.0	0.101	0.350	0.561		0.674	0.812	0.881	0.928	0.966	0.982	0.991	0.996	0.998	0.999	1.000	
2907.5	0.097	0.324	0.518		0.676	0.820	0.888	0.933	0.969	0.983	0.991	0.996	0.998	0.999	1.000	
2910.0	0.112	0.363	0.567		0.726	0.861	0.920	0.974	0.981	0.990	0.995	0.998	0.999	0.999	1.000	
2912.5	0.169	0.425	0.633		0.784	0.903	0.950	0.975	0.990	0.995	0.998	0.999	1.000	1.000	1.000	
2915.0	0.137	0.412	0.626		0.770	0.895	0.943	0.981	0.992	0.995	0.998	0.999	1.000	1.000	1.000	
2917.5	0.121	0.376	0.576		0.728	0.854	0.908	0.962	0.981	0.991	0.996	0.998	0.999	1.000	1.000	
2920.0	0.098	0.341	0.543		0.701	0.839	0.900	0.939	0.970	0.985	0.993	0.997	0.999	0.999	1.000	
2922.5	0.087	0.318	0.519		0.682	0.827	0.892	0.932	0.966	0.981	0.990	0.996	0.998	0.999	1.000	
2925.0	0.067	0.262	0.448		0.631	0.766	0.863	0.895	0.943	0.969	0.980	0.991	0.996	0.998	0.999	
2927.5	0.061	0.220	0.377		0.562	0.712	0.800	0.862	0.922	0.958	0.976	0.989	0.995	0.998	0.999	
2930.0	0.061	0.210	0.336		0.500	0.706	0.834	0.888	0.935	0.960	0.977	0.990	0.995	0.997	0.999	
2932.5	0.077	0.237	0.390		0.459	0.811	0.883	0.927	0.962	0.975	0.987	0.995	0.997	0.999	0.999	
2935.0	0.074	0.246	0.502		0.671	0.830	0.900	0.943	0.975	0.987	0.993	0.997	0.999	0.999	1.000	1.000
2937.5	0.075	0.300	0.569		0.744	0.858	0.923	0.958	0.980	0.989	0.995	0.997	0.999	1.000	1.000	1.000
2940.0	0.063	0.271	0.474		0.646	0.802	0.873	0.921	0.957	0.974	0.985	0.993	0.996	0.998	0.999	1.000
2942.5	0.052	0.224	0.408		0.576	0.733	0.823	0.877	0.929	0.956	0.976	0.988	0.994	0.997	0.999	0.999
2945.0	0.041	0.184	0.353		0.523	0.618	0.729	0.811	0.868	0.928	0.957	0.980	0.989	0.995	0.998	0.999
2947.5	0.038	0.190	0.333		0.493	0.604	0.728	0.803	0.881	0.924	0.954	0.978	0.988	0.994	0.998	0.999
2950.0	0.044	0.207	0.353		0.493	0.643	0.767	0.843	0.910	0.947	0.970	0.985	0.993	0.997	0.999	0.999
2952.5	0.056	0.277	0.413		0.565	0.592	0.731	0.797	0.876	0.935	0.965	0.982	0.992	0.997	0.998	
2955.0	0.011	0.102	0.292		0.427	0.646	0.778	0.851	0.920	0.955	0.976	0.989	0.995	0.998	0.999	
2957.5	0.013	0.121	0.288		0.471	0.668	0.772	0.845	0.910	0.947	0.972	0.985	0.994	0.997	0.999	
2960.0	0.026	0.182	0.382		0.575	0.758	0.866	0.906	0.949	0.970	0.986	0.993	0.996	0.998	0.999	1.000
2962.5	0.018	0.137	0.397		0.648	0.843	0.926	0.957	0.977	0.986	0.994	0.997	0.999	0.999	1.000	
2965.0	0.015	0.107	0.250		0.414	0.624	0.783	0.877	0.944	0.972	0.986	0.993	0.997	0.999	0.999	
2967.5	0.009	0.075	0.218		0.369	0.614	0.732	0.815	0.885	0.923	0.948	0.972	0.986	0.993	0.996	0.998
2970.0	0.005	0.070	0.207		0.385	0.604	0.724	0.807	0.884	0.924	0.947	0.970	0.985	0.993	0.996	0.998
2972.5	0.009	0.060	0.172		0.321	0.516	0.657	0.751	0.826	0.876	0.916	0.955	0.980	0.989	0.995	0.998
2975.0	0.000	0.012	0.066		0.177	0.392	0.556	0.658	0.760	0.828	0.880	0.930	0.958	0.976	0.990	0.995
2977.5	0.007	0.047	0.121		0.308	0.496	0.636	0.716	0.812	0.865	0.905	0.944	0.968	0.984	0.993	0.997
2980.0	0.013	0.123	0.295		0.459	0.653	0.789	0.859	0.917	0.945	0.968	0.982	0.992	0.997	0.998	
2982.5	0.017	0.164	0.384		0.509	0.809	0.897	0.947	0.979	0.988	0.995	0.998	0.999	0.999	1.000	1.000
2985.0	0.017	0.158	0.372		0.591	0.796	0.891	0.944	0.978	0.989	0.994	0.998	0.999	1.000	1.000	
2987.5	0.018	0.103	0.298		0.439	0.706	0.856	0.933	0.975	0.987	0.993	0.997	0.999	0.999	1.000	
2990.0	0.006	0.061	0.265		0.304	0.530	0.638	0.760	0.851	0.867	0.917	0.950	0.968	0.981	0.992	0.996
2992.5	0.013	0.086	0.202		0.344	0.552	0.693	0.785	0.850	0.893	0.932	0.962	0.978	0.988	0.994	
2995.0	0.024	0.169	0.393		0.531	0.709	0.800	0.862	0.911	0.940	0.958	0.975	0.985	0.991	0.994	0.998
2997.5	0.032	0.291	0.544		0.743	0.898	0.953	0.979	0.993	0.997	0.998	0.999	1.000	1.000	1.000	
3000.0	0.036	0.303	0.555		0.749	0.904	0.957	0.981	0.993	0.997	0.999	1.000	1.000	1.000	1.000	
3002.5	0.053	0.298	0.531		0.725	0.881	0.941	0.972	0.991	0.995	0.998	0.999	1.000	1.000	1.000	
3005.0	0.031	0.218	0.444		0.657	0.840	0.917	0.960	0.985	0.993	0.996	0.999	0.999	1.000	1.000	
3007.5	0.014	0.176	0.393		0.675	0.867	0.943	0.976	0.992	0.995	0.998	0.999	1.000	1.000	1.000	
3010.0	0.004	0.061	0.170		0.321	0.528	0.680	0.761	0.853	0.898	0.930	0.960	0.978	0.986	0.994	0.997
3012.5	0.004	0.061	0.179		0.337	0.563	0.693	0.767	0.855	0.900	0.931	0.960	0.97	0.986	0.994	0.997
3015.0	0.004	0.059	0.171		0.324	0.528	0.657	0.726	0.843	0.895	0.929	0.961	0.977	0.987	0.995	0.997
3017.5	0.004	0.057	0.162		0.306	0.507	0.638	0.749	0.836	0.888	0.926	0.962	0.978	0.988	0.995	0.998
3020.0	0.000	0.004	0.035		0.105	0.325	0.483	0.619	0.756	0.830	0.887	0.941	0.967	0.982	0.992	0.996
3022.5	0.000	0.002	0.022		0.087	0.269	0.476	0.536	0.688	0.778	0.843	0.916	0.950	0.972	0.989	0.995
3025.0	0.000	0.001	0.012		0.057	0.169	0.346	0.428	0.626	0.735	0.818	0.895	0.943	0.969	0.987	0.994
3027.5	0.000	0.000	0.004		0.031	0.151	0.295	0.449	0.628	0.736	0.819	0.896	0.935	0.964	0.984	0.993
3030.0	0.000	0.000	0.003		0.027	0.131	0.270	0.420	0.602	0.715	0.810	0.891	0.931	0.958	0.981	0.990
3032.5	0.000	0.000	0.001		0.014	0.084	0.186	0.315	0.496	0.621	0.726	0.833	0.895	0.937	0.972	0.985
3035.0	0.000	0.000	0.000		0.007	0.058	0.167	0.270	0.452	0.582	0.694	0.812	0.881	0.930	0.969	0.984
3037.5	0.000	0.000	0.002		0.017	0.072	0.161	0.279	0.463	0.597	0.703	0.817	0.885	0.932	0.969	0.984
3040.0	0.000	0.000	0.006		0.029	0.125	0.290	0.437	0.635	0.733	0.823	0.874	0.911	0.940	0.968	0.984
3042.5	0.000	0.000	0.006		0.034	0.130	0.270	0.440	0.644	0.732	0.822	0.894	0.932	0.960	0.979	0.988
3045.0	0.000	0.002	0.018		0.037	0.132	0.283	0.445	0.645	0.745	0.833	0.901	0.940	0.966	0.982	0.991
3047.5	0.000	0.000	0.000		0.000	0.015	0.068	0.175	0.366	0.517	0.647	0.782	0.855	0.907	0.951	0.974
3050.0	0.000	0.000	0.000		0.000	0.013	0.061	0.159	0.343	0.488	0.618	0.756	0.836	0.897	0.944	0.972
3052.5	0.000	0.000	0.000		0.000	0.020	0.097	0.204	0.392	0.530	0.652	0.782	0.855	0.918	0.956	0.978
3055.0	0.000	0.000	0.000		0.000	0.037	0.114	0.232	0.412	0.553	0.671	0.796	0.863	0.915	0.959	0.978
3057.5	0.000	0.000	0.000		0.000	0.031	0.096	0.227	0.416	0.557	0.674	0.798	0.865	0.917	0.960	0.979
3060.0	0.000	0.000	0.000		0.000	0.014	0.064	0.175	0.366	0.517	0.647	0.782	0.855	0.907	0.951	0.974
3062.5	0.000	0.000	0.000		0.000	0.013	0.061	0.159	0.343	0.488	0.618	0.756	0.836	0.897	0.944	0.972
3065.0	0.000	0.000	0.000		0.000	0.020	0.097	0.204	0.392	0.530	0.652	0.782	0.855	0.918	0.956	0.978
3067.5	0.000	0.000	0.000		0.000	0.037	0.114	0.232	0.412	0.553	0.671	0.796	0.863	0.915	0.959	0.978
3070.0	0.000	0.000	0.000		0.000	0.031	0.096	0.227	0.416	0.557	0.674	0.798	0.865	0.917	0.960	0.979
3072.5	0.000	0.000	0.000		0.000	0.015	0.068	0.175	0.366	0.517	0.647	0.782	0.855	0.907	0.951	0.974
3075.0	0.000	0.000	0.000		0.000	0.013	0.061	0.159	0.343	0.488	0.618	0.756	0.836	0.897	0.944	0.972
3077.5	0.000	0.000	0.000		0.000	0.020	0.097	0.204	0.392	0.530	0.652	0.782	0.855	0.918	0.956	0.978
3080.0	0.000	0.000	0.000		0.000	0.037	0.114	0.232	0.412	0.553	0.671	0.796	0.863	0.915	0.959	0.978
3082.5	0.000	0.000	0.000		0.000	0.031	0.096	0.227	0.416	0.557	0.674	0.798	0.865	0.917	0.960	0.979
3085.0	0.000	0.000	0.000		0.000	0.015	0.068	0.175	0.366	0.517	0.647	0.782	0.855	0.907	0.951	0.974
3087.5	0.000	0.000	0.000		0.000	0.013	0.061	0.159	0.343	0.488	0.618	0.756	0.836	0.897	0.944	0.972
3090.0	0.000	0.000	0.000		0.000	0.020	0.097	0.204	0.392	0.530	0.652	0.782	0.855	0.918	0.956	0.978
3092.5	0.000	0.000	0.000		0.000	0.037	0.114	0.232	0.412	0.553	0.671	0.796	0.863	0.915	0.959	0.978
3095.0	0.000	0.000	0.000		0.000	0.031	0.096	0.227	0.416	0.557	0.674	0.798	0.865	0.917	0.960	0.979
3097.5	0.000	0.000	0.000		0.000	0.015	0.068	0.175	0.366	0.517	0.647	0.782	0.855	0.907	0.951	0.974
3100.0	0.000	0.000	0.000		0.000	0.013	0.061	0.159	0.343	0.488	0.618	0.756	0.836	0.897	0.944	0.972
3102.5	0.000	0.000	0.000		0.000	0.020	0.097	0.204	0.392	0.530	0.652	0.782	0.855	0.918	0.956	0.978
3105.0	0.000	0.000	0.000		0.000	0.037	0.114	0.232	0.412	0.553	0.671	0.796	0.863	0.915	0.959	0.978
3107.5	0.000	0.000	0.000		0.000	0.031	0.096	0.227	0.416	0.557	0.674	0.798	0.865	0.917	0.960	0.979
3110.0	0.000	0.000	0.001		0.014	0.091	0.207	0.351	0.541	0.664	0.783	0.859	0.909	0.945	0.971	0.986
3112.5	0.000	0.000	0.001		0.013	0.082	0.184	0.316	0.498	0.623	0.729	0.835	0.892	0.933	0.968	0.983
3115.0	0.000	0.000	0.001		0.013	0.076	0.174	0.296	0.476	0.597	0.714	0.826	0.887	0.931	0.967	0.983
3117.5	0.000	0.000	0.000		0.004	0.040	0.111	0.225	0.406	0.542	0.691	0.814	0.885	0.933	0.969	0.985
3120.0	0.000	0.000	0.000		0.004	0.044	0.130	0.251	0.441	0.583	0.699	0.816	0.880	0.924	0.963	0.981
3122.5	0.000	0.000	0.000		0.004	0.049	0.142	0.280	0.487	0.632	0.721	0.829	0.888	0.931	0.969	0.983
3125.0	0.000	0.000	0.000		0.001	0.026	0.093	0.209	0.399	0.537	0.657	0.787	0.856	0.912	0.959	0.979
3127.5	0.000	0.000	0.000		0.002	0.032	0.102	0.228	0.419	0.563	0.683	0.803	0.869	0.917	0.962	0.980
3130.0	0.000	0.000	0.000		0.002	0.043	0.137	0.278	0.479	0.621	0.738	0.837	0.898	0.938	0.972	0.986
3132.5	0.000	0.000	0.000		0.002	0.043	0.137	0.278	0.479	0.621	0.738	0.837	0.898	0.938	0.972	0.986
3135.0	0.000	0.000	0.000		0.003	0.129	0.253	0.399	0.582	0.694	0.782	0.865	0.908	0.938	0.966	0.980
3137.5	0.000	0.000	0.000		0.000	0.063	0.174	0.298	0.476	0.597	0.714	0.826	0.887	0.931	0.967	0.983
3140.0	0.000	0.000	0.000		0.000	0.058	0.186	0.333	0.510	0.648	0.753	0.859	0.909	0.945	0.971	0.986
3142.5	0.000	0.000	0.010		0.012	0.072	0.218	0.369	0.558	0.683	0.783	0.867	0.911	0.943	0.970	0.984
3145.0	0.000	0.000	0.013		0.012	0.082	0.228	0.378	0.564	0.693	0.793	0.875	0.919	0.950	0.974	0.987
3147.5	0.001	0.038	0.141		0.303	0.529	0.669	0.775	0.867	0.912	0.943	0.970	0.983	0.991	0.996	0.998
3150.0	0.004	0.083	0.249		0.458	0.671	0.785	0.864	0.926	0.952	0.969	0.985	0.991	0.995	0.998	0.999
3152.5	0.004	0.136	0.366		0.603	0.817	0.906	0.953	0.981	0.992	0.995	0.998	0.999	0.999	1.000	1.000
3155.0	0.009	0.148	0.386		0.623	0.832	0.916	0.963	0.988	0.995	0.998	0.999	1.000	1.000	1.000	
3157.5	0.007	0.115	0.312		0.538	0.751	0.859	0.927	0.973	0.988	0.994	0.998	0.999	1.000	1.000	
3160.0	0.003	0.074	0.233		0.431	0.679	0.808	0.892	0.957	0.979	0.990	0.996	0.998	0.999	1.000	1.000
3162.5	0.001	0.042	0.164		0.353	0.605	0.751	0.853	0.929	0.968	0.985	0.994	0.997	0.999	1.000	1.000
3165.0	0.001	0.031	0.139		0.321	0.577	0.726	0.838	0.910	0.961	0.982	0.993	0.997	0.998	0.999	
3167.5	0.001	0.034	0.152		0.345	0.615	0.756	0.858	0.926	0.964	0.983	0.993	0.997	0.998	0.999	
3170.0	0.000	0.024	0.114		0.277	0.524	0.680	0.793	0.888	0.930	0.958	0.980	0.990	0.995	0.998	0.999
3172.5	0.000	0.019	0.096		0.216	0.465	0.664	0.759	0.957	0.951	0.966	0.973	0.986	0.993	0.997	0.999
3175.0	0.000	0.040	0.218		0.355	0.203	0.398	0.512	0.686	0.779	0.864	0.932	0.962	0.980	0.992	0.997
3177.5	0.000	0.000	0.004		0.026	0.118	0.221	0.356	0.548	0.658	0.753	0.853	0.906	0.929	0.961	0.977
3180.0	0.000	0.000	0.000		0.005	0.048	0.131	0.262	0.458	0.581	0.717	0.822	0.879	0.920	0.957	0.975
3182.5	0.000	0.000	0.000		0.005	0.048	0.131	0.262	0.458	0.581	0.717	0.822	0.879	0.920	0.957	0.975

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
UNITS (CM.)															
3185.0	0.000	0.000	0.000	0.004	0.040	0.159	0.295	0.485	0.611	0.714	0.819	0.880	0.926	0.965	0.981
3187.5	0.000	0.001	0.017	0.075	0.206	0.323	0.444	0.594	0.693	0.773	0.854	0.901	0.938	0.970	0.984
3190.0	0.000	0.001	0.023	0.106	0.240	0.363	0.481	0.778	0.844	0.890	0.932	0.956	0.971	0.986	0.993
3192.5	0.000	0.002	0.037	0.177	0.441	0.701	0.824	0.921	0.968	0.984	0.995	0.997	0.999	0.999	1.000
3195.0	0.000	0.001	0.020	0.104	0.317	0.485	0.627	0.752	0.822	0.873	0.920	0.944	0.963	0.981	0.989
3197.5	0.000	0.001	0.014	0.064	0.185	0.300	0.423	0.539	0.629	0.762	0.845	0.892	0.928	0.963	0.978
3200.0	0.000	0.001	0.015	0.068	0.190	0.304	0.425	0.580	0.680	0.763	0.846	0.892	0.928	0.963	0.978
3202.5	0.000	0.001	0.015	0.073	0.234	0.366	0.528	0.682	0.765	0.836	0.896	0.930	0.955	0.977	0.987
3205.0	0.000	0.002	0.027	0.131	0.384	0.562	0.734	0.854	0.913	0.945	0.970	0.982	0.990	0.996	0.998
3207.5	0.000	0.001	0.012	0.065	0.219	0.370	0.521	0.688	0.783	0.851	0.911	0.941	0.962	0.981	0.989
3210.0	0.000	0.000	0.012	0.058	0.173	0.290	0.425	0.601	0.713	0.799	0.877	0.918	0.944	0.970	0.982
3212.5	0.000	0.000	0.000	0.000	0.017	0.079	0.201	0.410	0.560	0.682	0.800	0.862	0.907	0.944	0.971
3215.0	0.000	0.000	0.000	0.000	0.013	0.068	0.182	0.386	0.533	0.657	0.781	0.849	0.898	0.944	0.967
3217.5	0.000	0.000	0.000	0.000	0.004	0.041	0.129	0.308	0.454	0.585	0.725	0.806	0.869	0.929	0.959
3220.0	0.000	0.000	0.000	0.000	0.003	0.024	0.083	0.229	0.364	0.498	0.656	0.753	0.832	0.910	0.944
3222.5	0.000	0.000	0.000	0.000	0.012	0.049	0.123	0.272	0.424	0.535	0.685	0.776	0.869	0.921	0.956
3225.0	0.000	0.000	0.000	0.011	0.037	0.091	0.172	0.322	0.482	0.590	0.735	0.821	0.895	0.937	0.963
3227.5	0.000	0.000	0.001	0.012	0.103	0.243	0.409	0.605	0.720	0.807	0.887	0.927	0.956	0.979	0.988
3230.0	0.000	0.000	0.001	0.012	0.098	0.228	0.381	0.567	0.681	0.770	0.857	0.905	0.941	0.972	0.985
3232.5	0.000	0.000	0.001	0.012	0.087	0.189	0.327	0.512	0.633	0.732	0.838	0.888	0.929	0.966	0.982
3235.0	0.000	0.001	0.013	0.069	0.227	0.371	0.508	0.659	0.768	0.858	0.905	0.931	0.952	0.977	0.988
3237.5	0.000	0.001	0.016	0.094	0.322	0.515	0.673	0.814	0.880	0.923	0.957	0.974	0.984	0.993	0.996
3240.0	0.000	0.001	0.021	0.119	0.379	0.586	0.743	0.871	0.925	0.954	0.977	0.981	0.995	0.998	0.999
3242.5	0.000	0.000	0.009	0.061	0.236	0.410	0.573	0.731	0.815	0.875	0.927	0.951	0.974	0.988	0.995
3245.0	0.000	0.000	0.008	0.035	0.147	0.268	0.409	0.565	0.691	0.776	0.858	0.902	0.935	0.964	0.979
3247.5	0.000	0.000	0.005	0.032	0.081	0.197	0.324	0.481	0.597	0.697	0.811	0.877	0.921	0.957	0.977
3250.0	0.000	0.000	0.005	0.044	0.193	0.351	0.504	0.664	0.762	0.831	0.895	0.929	0.954	0.976	0.987
3252.5	0.000	0.000	0.005	0.046	0.208	0.385	0.552	0.721	0.809	0.870	0.922	0.948	0.967	0.983	0.991
3255.0	0.000	0.000	0.005	0.037	0.158	0.295	0.439	0.611	0.713	0.794	0.869	0.909	0.940	0.969	0.983
3257.5	0.000	0.000	0.000	0.007	0.038	0.119	0.247	0.444	0.581	0.695	0.807	0.868	0.915	0.958	0.977
3260.0	0.000	0.000	0.000	0.005	0.047	0.134	0.265	0.447	0.586	0.696	0.808	0.869	0.916	0.958	0.977
3262.5	0.000	0.000	0.023	0.087	0.229	0.361	0.495	0.652	0.749	0.826	0.897	0.935	0.961	0.982	0.991
3265.0	0.000	0.000	0.038	0.151	0.386	0.561	0.708	0.825	0.885	0.926	0.960	0.975	0.988	0.994	0.997
3267.5	0.000	0.001	0.054	0.218	0.523	0.720	0.850	0.938	0.969	0.985

WATER VAPOR AT 0.20 ATMOSPHERE PRESSURE

T=200° K

U(PR CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
997.5	0.781	0.910	0.947	0.991	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1000.0	0.759	0.909	0.946	0.991	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1002.5	0.737	0.909	0.946	0.991	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1005.0	0.757	0.910	0.946	0.992	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1007.5	0.757	0.907	0.945	0.991	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1010.0	0.738	0.900	0.939	0.988	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1012.5	0.731	0.895	0.937	0.987	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1015.0	0.724	0.892	0.936	0.986	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1017.5	0.729	0.893	0.937	0.986	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1020.0	0.732	0.897	0.938	0.988	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1022.5	0.738	0.899	0.940	0.989	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1025.0	0.737	0.901	0.940	0.989	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1027.5	0.732	0.897	0.939	0.988	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1030.0	0.728	0.896	0.938	0.988	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1032.5	0.731	0.897	0.940	0.989	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1035.0	0.730	0.898	0.939	0.989	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1037.5	0.727	0.896	0.939	0.989	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1040.0	0.724	0.895	0.938	0.988	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1042.5	0.725	0.894	0.939	0.988	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1045.0	0.716	0.889	0.935	0.987	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1047.5	0.701	0.879	0.930	0.984	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1050.0	0.692	0.871	0.926	0.982	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1052.5	0.690	0.872	0.926	0.982	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1055.0	0.693	0.875	0.927	0.983	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1057.5	0.694	0.876	0.928	0.983	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1060.0	0.688	0.874	0.928	0.983	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1062.5	0.668	0.857	0.916	0.976	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1065.0	0.655	0.847	0.909	0.973	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1067.5	0.655	0.848	0.910	0.972	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1070.0	0.668	0.860	0.918	0.977	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1072.5	0.676	0.866	0.921	0.979	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1075.0	0.672	0.864	0.919	0.978	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1077.5	0.682	0.871	0.924	0.981	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1080.0	0.698	0.878	0.932	0.984	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1082.5	0.680	0.872	0.928	0.983	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1085.0	0.669	0.865	0.923	0.983	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1087.5	0.664	0.860	0.919	0.981	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1090.0	0.656	0.854	0.916	0.979	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1092.5	0.662	0.861	0.920	0.981	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1095.0	0.655	0.858	0.917	0.979	0.997	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1097.5	0.632	0.839	0.923	0.968	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1100.0	0.607	0.820	0.908	0.960	0.987	0.993	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1102.5	0.599	0.815	0.903	0.957	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1105.0	0.607	0.821	0.905	0.960	0.987	0.993	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1107.5	0.598	0.815	0.903	0.957	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1110.0	0.581	0.801	0.896	0.949	0.980	0.989	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1112.5	0.592	0.811	0.902	0.955	0.983	0.991	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1115.0	0.615	0.830	0.915	0.967	0.990	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1117.5	0.611	0.828	0.913	0.965	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1120.0	0.580	0.803	0.898	0.955	0.985	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1122.5	0.579	0.803	0.898	0.955	0.985	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1125.0	0.600	0.823	0.913	0.964	0.988	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1127.5	0.614	0.833	0.922	0.969	0.991	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1130.0	0.613	0.839	0.927	0.974	0.993	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1132.5	0.592	0.827	0.920	0.970	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1135.0	0.581	0.765	0.870	0.934	0.973	0.986	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
1137.5	0.526	0.762	0.868	0.933	0.973	0.985	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
1140.0	0.553	0.790	0.892	0.952	0.984	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1142.5	0.583	0.818	0.915	0.968	0.989	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1145.0	0.557	0.798	0.900	0.958	0.986	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1147.5	0.538	0.782	0.891	0.951	0.979	0.990	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1150.0	0.538	0.782	0.891	0.951	0.979	0.990	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1152.5	0.551	0.757	0.886	0.935	0.970	0.989	0.995	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1155.0	0.516	0.742	0.872	0.930	0.968	0.987	0.994	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1157.5	0.540	0.787	0.893	0.954	0.980	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1160.0	0.528	0.779	0.887	0.953	0.980	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1162.5	0.572	0.775	0.901	0.952	0.979	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1165.2	0.615	0.824	0.931	0.966	0.986	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1167.5	0.615	0.824	0.931	0.966	0.986	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1170.0	0.591	0.798	0.909	0.961	0.984	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1172.5	0.577	0.784	0.898	0.956	0.982	0.993	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1175.0	0.577	0.784	0.898	0.956	0.982	0.993	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1177.5	0.586	0.793	0.905	0.959	0.983	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1180.0	0.584	0.792	0.904	0.959	0.983	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1182.5	0.584	0.792	0.904	0.959	0.983	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1185.0	0.583	0.791	0.903	0.958	0.983	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1187.5	0.569	0.780	0.894	0.954	0.981	0.993	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1190.0	0.569	0.780	0.894	0.954	0.981	0.993	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1192.5	0.559	0.772	0.888	0.951	0.980	0.993	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1195.0	0.559	0.772	0.888	0.951	0.980	0.993	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1197.5	0.563	0.775	0.890	0.952	0.980	0.993	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1200.0	0.566	0.778	0.892	0.953	0.981	0.993	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1202.5	0.574	0.785	0.898	0.956	0.982	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1205.0	0.589	0.804	0.912	0.963	0.985	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1207.5	0.570	0.787	0.900	0.958	0.984	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1210.0	0.559	0.516	0.673	0.787	0.882	0.924	0.960	0.985	0.996	0.999	1.000	1.000	1.000	1.000	1.000
1212.5	0.564	0.768	0.868	0.946	0.978	0.991	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1215.0	0.562	0.525	0.684	0.798	0.890	0.933	0.964	0.987	0.997	0.999	1.000	1.000	1.000	1.000	1.000
1217.5	0.567	0.533	0.694	0.807	0.897	0.938	0.968	0.988	0.997	0.999	1.000	1.000	1.000	1.000	1.000
1220.0	0.574	0.539	0.701	0.813	0.902	0.942	0.970	0.989	0.997	0.999	1.000	1.000	1.000	1.000	1.000
1222.5	0.727	0.481	0.648	0.773	0.875	0.920	0.948	0.973	0.985	0.992	0.997	0.998	0.999	1.000	1.000
1225.0	0.703	0.460	0.629	0.757	0.865	0.913	0.943	0.969	0.982	0.990	0.996	0.998	0.999	1.000	1.000
1227.5	0.695	0.458	0.628	0.756	0.865	0.913	0.943	0.969	0.982	0.990	0.996	0.998	0.999	1.000	1.000
1230.0	0.722	0.502	0.676	0.804	0.901	0.941	0.969	0.986	0.995	0.998	0.999	1.000	1.000	1.000	1.000
1232.5	0.738	0.526	0.701	0.824	0.913	0.947	0.973	0.988	0.995	0.998	0.999	1.000	1.000	1.000	1.000
1235.0	0.744	0.543	0.721	0.844	0.927	0.957	0.979	0.991	0.997	0.999	1.000	1.000	1.000	1.000	1.000
1237.5	0.716	0.520	0.698	0.824	0.913	0.947	0.973	0.988	0.995	0.998	0.999	1.000	1.000	1.000	1.000
1240.0	0.682	0.495	0.669	0.797	0.893	0.934	0.964	0.982	0.993	0.997	0.999	1.000	1.000	1.000	1.000
1242.5	0.682	0.495	0.669	0.797	0.893	0.934	0.964	0.982	0.993	0.997	0.999	1.000	1.000	1.000	1.000
1245.0	0.701	0.462	0.635	0.766	0.871	0.915	0.951	0.976	0.988	0.995	0.998	0.999	1.000	1.000	1.000
1247.5	0.700	0.462	0.637	0.769	0.874	0.920	0.957	0.980	0.991	0.996	0.999	0.999	1.000	1.000	1.000
1250.0	0.703	0.482	0.663	0.788	0.889	0.929	0.962	0.984	0.993	0.997	0.999	1.000	1.000	1.000	1.000
1252.5	0.724	0.501	0.538	0.808	0.904	0.940	0.968	0.986	0.995	0.998	0.999	1.000	1.000	1.000	1.000
1255.0	0.743	0.592	0.575	0.727	0.845	0.900	0.939	0.970	0.988	0.996	0.999	1.000	1.000	1.000	1.000
1257.5	0.734	0.585	0.575	0.727	0.845	0.900	0.939	0.970	0.988	0.996	0.999	1.000	1.000	1.000	1.000
1260.0	0.107	0.336	0.519	0.673	0.817	0.875	0.915	0.948	0.965	0.977	0.988	0.993	0.996	0.998	0.999
1262.5	0.083	0.271	0.455	0.616	0.775	0.845	0.898	0.939	0.960	0.976	0.987	0.993	0.996	0.998	0.999
1265.0	0.053	0.211	0.389	0.554	0.727	0.805	0.875	0.919	0.948	0.969	0.983	0.991	0.995	0.998	0.999
1267.5	0.028	0.160	0.293	0.453	0.642	0.748	0.825	0.896	0.933	0.959	0.980	0.989	0.994	0.998	0.999
1270.0	0.014	0.126	0.223	0.372	0.554	0.679	0.772	0.858	0.907	0.942	0.971	0.985	0.992	0.997	0.999
1272.5	0.074	0.238	0.393	0.541	0.701	0.787	0.849	0.905	0.935	0.957	0.977	0.984	0.993	0.997	0.998
1275.0	0.143	0.398	0.560	0.721	0.845	0.900	0.932	0.958	0.971	0.981	0.990	0.994	0.997	0.999	0.999
1277.5	0.155	0.427	0.590	0.742	0.861	0.910	0.940	0.963	0.975	0.984	0.992	0.995	0.998	0.999	0.999
1280.0	0.101	0.335	0.496	0.654	0.800	0.874	0.920	0.951	0.971	0.983	0.992	0.996	0.998	0.999	0.999
1282.5	0.042	0.194	0.363	0.532	0.710	0.805	0.871	0.927	0.955	0.974	0.988	0.994	0.997	0.999	0.999
1285.0	0.037	0.180	0.345	0.511	0.691	0.790	0.857	0.917	0.948	0.970	0.985	0.993	0.996	0.998	0.999
1287.5	0.064	0.248	0.426	0.589	0.751	0.833	0.888	0.936	0.962	0.978	0.989	0.994	0.997	0.999	0.999
1290.0	0.105	0.341	0.533	0.691	0.829	0.894	0.933	0.964	0.978	0.987	0.994	0.997	0.998	0.999	1.000
1292.5	0.098	0.328	0.502	0.675	0.806	0.878	0.925	0.960	0.977	0.986	0.993	0.996	0.998	0.999	1.000
1295.0	0.067	0.235	0.388	0.558	0.726	0.821	0.886	0.940	0.964	0.980	0.991	0.995	0.998	0.999	1.000
1297.5	0.062	0.233	0.397	0.557	0.726	0.820	0.886	0.940	0.964	0.980	0.991	0.995	0.998	0.999	1.000
1300.0	0.101	0.335	0.527	0.671	0.821	0.891	0.934	0.964	0.980	0.988	0.994	0.997	0.999	0.999	1.000
1302.5	0.114	0.442	0.651	0.811	0.925	0.960	0.978	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000
1305.0	0.106	0.373	0.587	0.734	0.867	0.941	0.967	0.983	0.989	0.995	0.997	0.999	1.000	1.000	1.000
1307.5	0.064	0.252	0.432	0.599	0.761	0.863	0.895	0.938	0.961	0.977	0.989	0.994	0.997	0.999	0.999

U(PR CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1310.0	0.088	0.108	0.225	0.365	0.545	0.662	0.755	0.869	0.931	0.959	0.975	0.984	0.992	0.997	0.998
1312.5	0.092	0.427	0.684	0.198	0.383	0.524	0.648	0.780	0.856	0.905	0.957	0.975	0.987	0.995	0.997
1315.0	0.000	0.013	0.061	0.160	0.365	0.493	0.624	0.761	0.839	0.895	0.945	0.968	0.983	0.993	0.996
1317.5	0.000	0.000	0.017	0.062	0.243	0.400	0.560	0.711	0.797	0.866	0.929	0.958	0.979	0.991	0.995
1320.0	0.000	0.043	0.135	0.276	0.484	0.624	0.732	0.852	0.913	0.949	0.973	0.984	0.992	0.996	0.998
1322.5	0.005	0.066	0.186	0.343	0.556	0.684	0.781	0.868	0.921	0.952	0.967	0.980	0.989	0.995	0.997
1325.0	0.005	0.073	0.202	0.368	0.581	0.708	0.803	0.887	0.929	0.957	0.970	0.981	0.990	0.995	0.997
1327.5	0.006	0.080	0.216	0.386	0.597	0.723	0.815	0.895	0.935	0.962	0.972	0.983	0.991	0.996	0.998
1330.0	0.009	0.070	0.197	0.364	0.582	0.717	0.808	0.890	0.932	0.960	0.972	0.990	0.995	0.998	0.999
1332.5	0.006	0.068	0.172	0.328	0.543	0.677	0.781	0.872	0.919	0.951	0.976	0.987	0.993	0.997	0.999
1335.0	0.001	0.025	0.091	0.204	0.398	0.542	0.668	0.792	0.861	0.910	0.957	0.977	0.988	0.995	0.998
1337.5	0.000	0.005	0.029	0.093	0.240	0.370	0.518	0.675	0.768	0.842	0.909	0.944	0.968	0.986	0.993
1340.0	0.000	0.002	0.011	0.061	0.200	0.340	0.493	0.646	0.745	0.823	0.896	0.935	0.962	0.983	0.991
1342.5	0.000	0.003	0.013	0.071	0.240	0.400	0.567	0.717	0.811	0.876	0.926	0.953	0.977	0.989	0.995
1345.0	0.000	0.003	0.160	0.310	0.515	0.643	0.750	0.842	0.891	0.926	0.957	0.972	0.985	0.992	0.996
1347.5	0.000	0.004	0.027	0.094	0.255	0.406	0.551	0.710	0.803	0.874	0.935	0.962	0.979	0.990	0.995
1350.0	0.000	0.000	0.306	0.031	0.139	0.263	0.405	0.586	0.702	0.796	0.883	0.925	0.953	0.977	0.988
1352.5	0.000	0.000	0.000	0.020	0.102	0.216	0.355	0.540	0.661	0.759	0.862	0.901	0.936	0.968	0.983
1355.0	0.000	0.000	0.000	0.000	0.059	0.179	0.308	0.493	0.610	0.721	0.840	0.883	0.919	0.958	0.978
1357.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1360.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1362.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1365.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1367.5	0.000	0.000	0.015	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1370.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1372.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1375.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1377.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1380.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1382.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1385.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1387.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1390.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1392.5	0.000	0.000	0.000

WATER VAPOR AT 0.20 ATMOSPHERE PRESSURE
T=200° K

WATER VAPOR AT 0.20 ATMOSPHERE PRESSURE
T-200° K

FREQ.	U[PR CM.] 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
2872.5	0.436	0.632	0.789	0.869	0.933	0.961	0.974	0.991	0.995	0.998	0.999	1.000	1.000	1.000	1.000
2875.0	0.364	0.605	0.775	0.850	0.932	0.968	0.982	0.988	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2877.5	0.340	0.599	0.772	0.842	0.897	0.938	0.965	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2880.0	0.379	0.615	0.759	0.828	0.906	0.962	0.967	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2882.5	0.496	0.723	0.824	0.850	0.940	0.982	0.978	0.990	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2885.0	0.520	0.751	0.844	0.909	0.955	0.973	0.985	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2887.5	0.474	0.707	0.816	0.886	0.943	0.967	0.982	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2890.0	0.369	0.612	0.760	0.833	0.915	0.951	0.974	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2892.5	0.323	0.562	0.699	0.802	0.895	0.938	0.966	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2895.0	0.332	0.575	0.710	0.809	0.899	0.939	0.966	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2897.5	0.411	0.651	0.770	0.853	0.921	0.952	0.973	0.988	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2900.0	0.438	0.681	0.795	0.870	0.930	0.956	0.974	0.989	0.993	0.997	0.999	1.000	1.000	1.000	1.000
2902.5	0.411	0.648	0.765	0.845	0.908	0.940	0.966	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000
2905.0	0.322	0.563	0.697	0.793	0.879	0.917	0.944	0.971	0.985	0.991	0.996	0.998	0.999	1.000	1.000
2907.5	0.311	0.553	0.689	0.790	0.877	0.920	0.944	0.973	0.985	0.992	0.996	0.998	0.999	1.000	1.000
2910.0	0.342	0.592	0.727	0.823	0.905	0.941	0.965	0.981	0.991	0.995	0.998	0.999	1.000	1.000	1.000
2912.5	0.398	0.651	0.777	0.864	0.932	0.961	0.979	0.991	0.995	0.998	0.999	1.000	1.000	1.000	1.000
2915.0	0.389	0.641	0.770	0.857	0.927	0.956	0.977	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2917.5	0.359	0.607	0.738	0.831	0.905	0.938	0.966	0.979	0.988	0.995	0.997	0.999	1.000	1.000	1.000
2920.0	0.324	0.582	0.720	0.815	0.897	0.932	0.957	0.978	0.988	0.992	0.996	0.998	0.999	1.000	1.000
2922.5	0.308	0.561	0.701	0.803	0.887	0.926	0.951	0.974	0.988	0.991	0.996	0.998	0.999	1.000	1.000
2925.0	0.294	0.548	0.688	0.793	0.878	0.919	0.947	0.972	0.987	0.991	0.995	0.998	0.999	1.000	1.000
2927.5	0.282	0.539	0.682	0.788	0.870	0.913	0.944	0.969	0.986	0.990	0.994	0.997	0.999	0.999	1.000
2930.0	0.268	0.534	0.682	0.784	0.866	0.910	0.941	0.967	0.985	0.990	0.994	0.997	0.999	0.999	1.000
2932.5	0.276	0.525	0.682	0.781	0.877	0.920	0.940	0.972	0.982	0.989	0.995	0.997	0.999	0.999	1.000
2935.0	0.283	0.536	0.683	0.781	0.887	0.929	0.937	0.978	0.980	0.986	0.997	0.999	0.999	1.000	1.000
2937.5	0.283	0.542	0.688	0.784	0.893	0.931	0.936	0.979	0.980	0.986	0.997	0.999	0.999	1.000	1.000
2940.0	0.275	0.547	0.690	0.779	0.883	0.923	0.944	0.969	0.980	0.988	0.994	0.998	0.999	1.000	1.000
2942.5	0.260	0.544	0.698	0.772	0.881	0.926	0.950	0.973	0.967	0.978	0.993	0.997	0.999	0.999	1.000
2945.0	0.258	0.549	0.721	0.784	0.892	0.930	0.946	0.969	0.972	0.984	0.995	0.998	0.999	0.999	1.000
2947.5	0.286	0.578	0.443	0.591	0.738	0.816	0.870	0.940	0.966	0.985	0.982	0.990	0.994	0.998	0.999
2950.0	0.074	0.257	0.425	0.574	0.729	0.807	0.866	0.917	0.943	0.982	0.979	0.988	0.993	0.997	0.999
2952.5	0.039	0.196	0.422	0.578	0.743	0.824	0.875	0.924	0.949	0.985	0.977	0.987	0.992	0.996	0.999
2955.0	0.098	0.297	0.465	0.610	0.754	0.828	0.881	0.928	0.949	0.986	0.981	0.988	0.993	0.997	0.999
2957.5	0.115	0.335	0.509	0.653	0.787	0.853	0.898	0.939	0.956	0.988	0.992	0.995	0.998	0.999	0.999
2960.0	0.173	0.411	0.607	0.719	0.851	0.907	0.937	0.964	0.977	0.986	0.994	0.997	0.999	0.999	1.000
2962.5	0.130	0.351	0.522	0.682	0.794	0.859	0.905	0.944	0.967	0.975	0.986	0.992	0.995	0.998	0.999
2965.0	0.102	0.289	0.451	0.597	0.744	0.823	0.878	0.926	0.949	0.965	0.979	0.987	0.992	0.997	0.998
2967.5	0.073	0.259	0.433	0.581	0.734	0.825	0.880	0.928	0.947	0.964	0.979	0.987	0.992	0.996	0.998
2970.0	0.066	0.249	0.425	0.585	0.742	0.822	0.878	0.925	0.948	0.964	0.979	0.987	0.992	0.996	0.998
2972.5	0.057	0.209	0.334	0.503	0.643	0.753	0.822	0.885	0.918	0.942	0.965	0.977	0.986	0.993	0.996
2975.0	0.052	0.202	0.327	0.366	0.690	0.931	0.808	0.872	0.907	0.934	0.961	0.974	0.984	0.992	0.995
2977.5	0.064	0.208	0.334	0.484	0.642	0.735	0.807	0.875	0.911	0.937	0.961	0.976	0.984	0.992	0.996
2980.0	0.064	0.209	0.345	0.464	0.645	0.741	0.811	0.878	0.913	0.939	0.963	0.977	0.985	0.993	0.996
2982.5	0.135	0.439	0.636	0.779	0.893	0.938	0.966	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2985.0	0.149	0.424	0.620	0.764	0.883	0.932	0.962	0.983	0.991	0.996	0.998	0.999	1.000	1.000	1.000
2987.5	0.098	0.302	0.473	0.620	0.766	0.840	0.892	0.935	0.956	0.970	0.982	0.988	0.992	0.996	0.998
2990.0	0.059	0.201	0.348	0.495	0.661	0.756	0.826	0.890	0.922	0.945	0.969	0.981	0.988	0.994	0.997
2992.5	0.085	0.234	0.383	0.524	0.689	0.767	0.833	0.893	0.924	0.946	0.969	0.977	0.985	0.992	0.996
2995.0	0.182	0.404	0.572	0.702	0.818	0.874	0.913	0.943	0.961	0.973	0.985	0.992	0.994	0.998	0.998
2997.5	0.281	0.603	0.781	0.889	0.959	0.981	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
3000.0	0.289	0.606	0.780	0.885	0.954	0.978	0.990	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
3002.5	0.274	0.594	0.752	0.861	0.940	0.969	0.987	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000
3005.0	0.206	0.497	0.657	0.813	0.910	0.950	0.979	0.993	0.995	0.998	0.999	1.000	1.000	1.000	1.000
3007.5	0.121	0.340	0.511	0.652	0.786	0.854	0.903	0.963	0.962	0.975	0.985	0.990	0.994	0.997	0.998
3010.0	0.059	0.208	0.382	0.537	0.697	0.778	0.840	0.901	0.932	0.953	0.972	0.981	0.988	0.994	0.997
3012.5	0.061	0.226	0.386	0.538	0.696	0.782	0.843	0.904	0.933	0.955	0.973	0.982	0.988	0.994	0.997
3015.0	0.058	0.216	0.372	0.524	0.688	0.775	0.841	0.900	0.930	0.952	0.971	0.982	0.988	0.995	0.997
3017.5	0.056	0.203	0.351	0.501	0.668	0.761	0.830	0.893	0.925	0.950	0.970	0.982	0.988	0.995	0.998
3020.0	0.053	0.205	0.365	0.517	0.521	0.648	0.746	0.836	0.886	0.921	0.954	0.972	0.984	0.993	0.996
3022.5	0.057	0.206	0.386	0.743	0.435	0.567	0.678	0.789	0.849	0.896	0.937	0.960	0.976	0.989	0.994
3025.0	0.001	0.070	0.080	0.191	0.379	0.919	0.640	0.760	0.852	0.883	0.930	0.955	0.972	0.987	0.993
3027.5	0.000	0.008	0.050	0.114	0.343	0.941	0.674	0.793	0.868	0.893	0.933	0.957	0.973	0.987	0.993
3030.0	0.000	0.007	0.041	0.131	0.328	0.453	0.585	0.724	0.802	0.867	0.918	0.944	0.965	0.983	0.991
3032.5	0.000	0.003	0.026	0.081	0.220	0.351	0.443	0.637	0.733	0.805	0.893	0.931	0.957	0.979	0.986
3035.0	0.000	0.001	0.013	0.057	0.120	0.309	0.443	0.805	0.705	0.786	0.865	0.909	0.942	0.971	0.984
3037.5	0.002	0.004	0.176	0.273	0.497	0.509	0.608	0.723	0.793	0.849	0.904	0.935	0.959	0.980	0.989
3040.0	0.025	0.172	0.742	0.949	0.862	0.751	0.818	0.883	0.916	0.939	0.966	0.980	0.985	0.993	0.996
3042.5	0.060	0.300	0.537	0.726	0.877	0.934	0.967	0.987	0.994	0.997	0.999	0.999	1.000	1.000	1.000
3045.0	0.051	0.245	0.444	0.617	0.778	0.855	0.905	0.946	0.964	0.976	0.988	0.995	0.997	0.998	0.999
3047.5	0.040	0.182	0.342	0.503	0.675	0.770	0.840	0.907	0.933	0.955	0.973	0.983	0.990	0.995	0.997
3050.0	0.018	0.134	0.298	0.470	0.653	0.760	0.832	0.898	0.931	0.953	0.973	0.982	0.989	0.995	0.997
3052.5	0.026	0.183	0.319	0.366	0.746	0.836	0.891	0.938	0.960	0.974	0.985	0.991	0.994	0.997	0.999
3055.0	0.029	0.185	0.343	0.521	0.704	0.800	0.861	0.918	0.946	0.966	0.980	0.988	0.993	0.997	0.998
3057.5	0.011	0.084	0.198	0.343	0.539	0.662	0.757	0.844	0.891	0.924	0.951	0.968	0.978	0.988	0.993
3060.0	0.001	0.037	0.123	0.272	0.489	0.628	0.736	0.832	0.882	0.918	0.950	0.966	0.978	0.988	0.993
3062.5	0.001	0.029	0.095	0.209	0.442	0.751	0.818	0.883	0.916	0.939	0.966	0.980	0.985	0.993	0.996
3065.0	0.001	0.025	0.082	0.169	0.311	0.132	0.548	0.662	0.763	0.827	0.899	0.922	0.944	0.969	0.981
3067.5	0.001	0.035	0.172	0.134	0.296	0.418	0.578	0.671	0.757	0.826	0.886	0.920	0.941	0.968	0.980
3070.0	0.003	0.055	0.172	0.126	0.322	0.628	0.719	0.811	0.862	0.901	0.938	0.960	0.975	0.988	0.991
3072.5	0.005	0.114	0.308	0.529	0.752	0.856	0.916	0.959	0.976	0.986	0.993	0.996	0.998	0.999	1.000
3075.0	0.001	0.102	0.277	0.492	0.700	0.809	0.873	0.932	0.959	0.979	0.989	0.994	0.997	0.998	0.999
3077.5	0.005	0.068	0.178	0.313	0.515	0.644	0.753	0.858	0.911	0.945	0.969	0.982	0.989	0.995	0.997
3080.0	0.000	0.009	0.042	0.111	0.255	0.383	0.510	0.657	0.764	0.846	0.903	0.931	0.950	0.976	0.987
3082.5	0.000	0.009	0.044	0.094	0.261	0.414	0.551	0.701	0.789	0.857	0.911	0.942	0.961	0.980	0.989
3085.0	0.003	0.012	0.157	0.296	0.481	0.603	0.702	0.801	0.857	0.898	0.936	0.958	0.973	0.987	0.993
3087.5	0.004	0.076	0.244	0.452	0.687	0.805	0.879	0.935	0.959	0.973	0.985	0.990	0.994	0.997	0.998
3090.0	0.004	0.075	0.230	0.429	0.661	0.783	0.861	0.925	0.953	0.971	0.985	0.991	0.995	0.998	0.999
3092.5	0.001	0.032	0.114	0.238	0.466	0.638	0.744	0.860	0.923	0.957	0.976	0.986	0.992	0.997	0.998
3095.0	0.000	0.004	0.025	0.076	0.198	0.323	0.497	0.672	0.775	0.805	0.881	0.921	0.949	0.972	0.983
3097.5	0.000	0.000	0.001	0.013	0.087	0.760	0.367	0.551	0.653	0.750	0.865	0.895	0.931	0.962	0.977
3100.0	0.000	0.000	0.001	0.011	0.069	0.184	0.327	0.504	0.631	0.731	0.829	0.883	0.922	0.956	0.975
3102.5	0.000	0.000	0.004	0.027	0.119	0.237	0.375	0.553	0.665	0.756	0.845	0.894	0.930	0.963	0.979
3105.0	0.000	0.000	0.005	0.035	0.143	0.268	0.407	0.578	0.684	0.774	0.854	0.900	0.935	0.965	0.980
3107.5	0.000	0.000	0.006	0.041	0.170	0.312	0.459	0.629	0.729	0.806	0.880	0.920	0.948	0.973	0.984
3110.0	0.000	0.003	0.024	0.088	0.244	0.390	0.527	0.680	0.769	0.837	0.900	0.934	0.957	0.978	0.987
3112.5	0.000	0.003	0.022	0.079	0.217	0.351	0.485	0.642	0.736	0.811	0.885	0.921	0.949	0.973	0.984
3115.0	0.000	0.003	0.022	0.074	0.196	0.317	0.454	0.607	0.701	0.782	0.868	0.910	0.940	0.968	0.981
3117.5	0.000	0.001	0.008	0.039	0.163	0.262	0.395	0.564	0.673	0.767	0.851	0.897	0.931	0.965	0.980
3120.0	0.000	0.001	0.008	0.044	0.183	0.291	0.431	0.601	0.705	0.788	0.870	0.912	0.941	0.970	0.983
3122.5	0.000	0.001	0.009	0.047	0.174	0.316	0.459	0.630	0.731	0.808	0.881	0.919	0.947	0.972	0.984
3125.0	0.000	0.000	0.002	0.018	0.104	0.225	0.348	0.552	0.667	0.757	0.845	0.892	0.929	0.962	0.979
3127.5	0.000	0.000	0.003	0.024	0.116	0.243	0.386	0.576	0.686	0.774	0.853	0.897	0.934	0.964	0.980
3130.0	0.000	0.000	0.005	0.035	0.154	0.291	0.436	0.607	0.710	0.790	0.866	0.907	0.938	0.966	0.980
3132.5	0.000	0.000	0.006	0.041	0.175	0.322	0.470	0.638	0.736	0.811	0.881	0.917	0.943	0.967	0.980
3135.0	0.000	0.001	0.007	0.047	0.125	0.291	0.436	0.569	0.711	0.792	0.853	0.904	0.937	0.957	0.975	0.984
3137.5	0.002	0.004	0.120	0.223	0.431	0.564	0.679	0.803	0.868	0.904	0.937	0.956	0.970	0.984	0.991
3140.0	0.008	0.088	0.235	0.423	0.647	0.767	0.846	0.913	0.945	0.965	0.983	0.990	0.995	0.998	0.999
3142.5	0.010	0.108	0.272	0.474	0.683	0.813	0.864	0.923	0.949	0.969	0.984	0.991	0.995	0.997	0.999
3145.0	0.013	0.120	0.281	0.458	0.653	0.759	0.836	0.897	0.930	0.953	0.974	0.984	0.991	0.996	0.998
3147.5	0.037	0.187	0.358	0.525	0.701	0.782	0.855	0.932	0.960	0.980	0.977	0.986	0.992	0.996	0.998
3150.0	0.029	0.209	0.406	0.567	0.728	0.819	0.878	0.947	0.972	0.978	0.988	0.992	0.994	0.998	0.999
3152.5	0.129	0.434	0.653	0.807	0.919	0.959	0.978	0.990	0.995	0.997	0.999	1.000	1.000	1.000	1.000
3155.0	0.139	0.448	0.669	0.818	0.926	0.966	0.982	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000
3157.5	0.107	0.366	0.569	0.727	0.858	0.920	0.950	0.980	0.990	0.994	0.997	0.998	0.999	1.000	1.000
3160.0	0.070	0.285	0.480	0.647	0.801	0.878	0.925	0.965	0.981	0.990	0.996	0.998	0.998	1.000	1.000
3162.5	0.040	0.208	0.392	0.567	0.763	0.835	0.896	0.947	0.968	0.981	0.991	0.995	0.997	0.999	0.999
3165.0	0.032	0.180	0.361	0.534	0.727	0.824	0.883	0.938	0.965	0.979	0.989	0.993	0.996	0.998	0.999
3167.5	0.032	0.202	0.399	0.586	0.766	0.853	0.907	0.958	0.974	0.984	0.992	0.995	0.997	0.999	0.999
3170.0	0.022	0.152	0.322	0.502	0.700	0.804	0.873	0.928	0.953	0.970	0.984	0.991	0.995	0.998	0.999
3172.5	0.018	0.118	0.258	0.429	0.640	0.757	0.839	0.908	0.940	0.962	0.980	0.989	0.994	0.997	0.998
3175.0	0.000	0.018	0.078	0.195	0.397	0.544	0.666	0.788	0.850	0.897	0.938	0.959	0.973	0.985	0.990
3177.5	0.000	0.008	0.037	0.105	0.256	0.393	0.528	0.677	0.784	0.851	0.896	0.927	0.950	0.971	0.981
3180.0	0.000	0.000	0.010	0.033	0.128	0.231	0.375	0.539	0.735	0.808	0.879	0.916	0.943	0.968	0.980
3182.5	0.000	0.001	0.009	0.047	0.169	0.303	0.445	0.612	0.712	0.790	0.866	0.907	0.938	0.966	0.980

FREQ.	U[PR.CM.] 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
3185.0	0.000	0.001	0.012	0.058	0.197	0.339	0.480	0.641	0.735	0.808	0.877	0.915	0.943	0.970	0.983
3187.5	0.001	0.030	0.100	0.202	0.357	0.479	0.591	0.717	0.790	0.847	0.902	0.931	0.953	0.975	0.985
3190.0	0.001	0.043	0.158	0.330	0.550	0.678	0.772	0.857	0.894	0.929	0.955	0.969	0.979	0.988	0.993
3192.5	0.002	0.057	0.219	0.476	0.726	0.858	0.926	0.970	0.985	0.992	0.996	0.998	0.999	1.000	1.000
3195.0	0.001	0.037	0.143	0.305	0.518	0.647	0.744	0.835	0.882	0.916	0.947	0.963	0.974	0.985	0.991
3197.5	0.001	0.024	0.086	0.174	0.331	0.455	0.572	0.703	0.781	0.841	0.897	0.927	0.949	0.971	0.982
3200.0	0.001	0.029	0.088	0.184	0.335	0.459	0.575	0.705	0.781	0.841	0.897	0.927	0.949	0.971	0.982
3202.5	0.001	0.026	0.101	0.228	0.426	0.565	0.678	0.788	0.848	0.892	0.931	0.952	0.967	0.982	0.989
3205.0	0.002	0.048	0.180	0.379	0.629	0.766	0.854	0.922	0.950	0.968	0.982	0.988	0.992	0.996	0.998
3207.5	0.001	0.023	0.094	0.217	0.413	0.556	0.674	0.792	0.855	0.901	0.941	0.960	0.973	0.985	0.991
3210.0	0.001	0.022	0.081	0.172	0.321	0.454	0.570	0.720	0.801	0.862	0.917	0.943	0.962	0.977	0.986
3212.5	0.000	0.000	0.001	0.016	0.105	0.235	0.398	0.578	0.694	0.783	0.865	0.907	0.936	0.967	0.984
3215.0	0.000	0.000	0.001	0.012	0.093	0.219	0.371	0.562	0.678	0.769	0.854	0.898	0.930	0.959	0.974
3217.5	0.000	0.000	0.000	0.006	0.060	0.163	0.302	0.492	0.616	0.716	0.815	0.868	0.908	0.946	0.966
3220.0	0.000	0.000	0.000	0.003	0.037	0.113	0.229	0.441	0.558	0.663	0.781	0.829	0.880	0.929	0.956
3222.5	0.000	0.000	0.001	0.012	0.066	0.150	0.266	0.485	0.558	0.666	0.778	0.842	0.890	0.937	0.961
3225.0	0.000	0.002	0.020	0.085	0.232	0.395	0.572	0.811	0.701	0.777	0.855	0.898	0.930	0.960	0.976
3227.5	0.000	0.002	0.023	0.100	0.289	0.451	0.592	0.734	0.814	0.871	0.922	0.948	0.966	0.982	0.990
3230.0	0.000	0.002	0.022	0.094	0.271	0.421	0.553	0.701	0.783	0.845	0.902	0.933	0.955	0.976	0.988
3232.5	0.000	0.002	0.021	0.081	0.229	0.368	0.505	0.659	0.750	0.819	0.885	0.920	0.946	0.971	0.983
3235.0	0.000	0.002	0.029	0.225	0.412	0.549	0.667	0.811	0.830	0.901	0.936	0.957	0.973	0.987	0.993
3237.5	0.001	0.032	0.137	0.314	0.554	0.702	0.807	0.886	0.924	0.950	0.971	0.981	0.988	0.994	0.997
3240.0	0.001	0.040	0.167	0.368	0.625	0.763	0.855	0.924	0.954	0.972	0.987	0.993	0.996	0.998	0.999
3242.5	0.000	0.019	0.090	0.227	0.451	0.601	0.738	0.826	0.878	0.917	0.950	0.967	0.978	0.987	0.992
3245.0	0.000	0.011	0.052	0.157	0.368	0.546	0.725	0.713	0.791	0.850	0.905	0.933	0.956	0.973	0.985
3247.5	0.000	0.002	0.019	0.078	0.229	0.382	0.532	0.680	0.767	0.832	0.893	0.925	0.949	0.970	0.983
3250.0	0.000	0.012	0.069	0.190	0.398	0.594	0.663	0.780	0.842	0.888	0.930	0.951	0.967	0.982	0.989
3252.5	0.000	0.012	0.072	0.205	0.436	0.593	0.713	0.824	0.878	0.916	0.949	0.965	0.977	0.987	0.992
3255.0	0.000	0.010	0.057	0.157	0.358	0.477	0.600	0.731	0.805	0.861	0.913	0.939	0.958	0.975	0.985
3257.5	0.000	0.006	0.037	0.107	0.152	0.285	0.476	0.599	0.706	0.789	0.868	0.909	0.938	0.965	0.978
3260.0	0.000	0.001	0.009	0.046	0.166	0.298	0.439	0.609	0.714	0.796	0.876	0.916	0.943	0.969	0.982
3262.5	0.000	0.002	0.017	0.222	0.337	0.513	0.753	0.824	0.878	0.927	0.962	0.980	0.989	0.994	0.997
3265.0	0.003	0.061	0.197	0.373	0.593	0.734	0.905	0.884	0.923	0.949	0.971	0.982	0.989	0.994	0.997
3267.5	0.004	0.041

WATER VAPOR AT 0.10 ATMOSPHERE PRESSURE

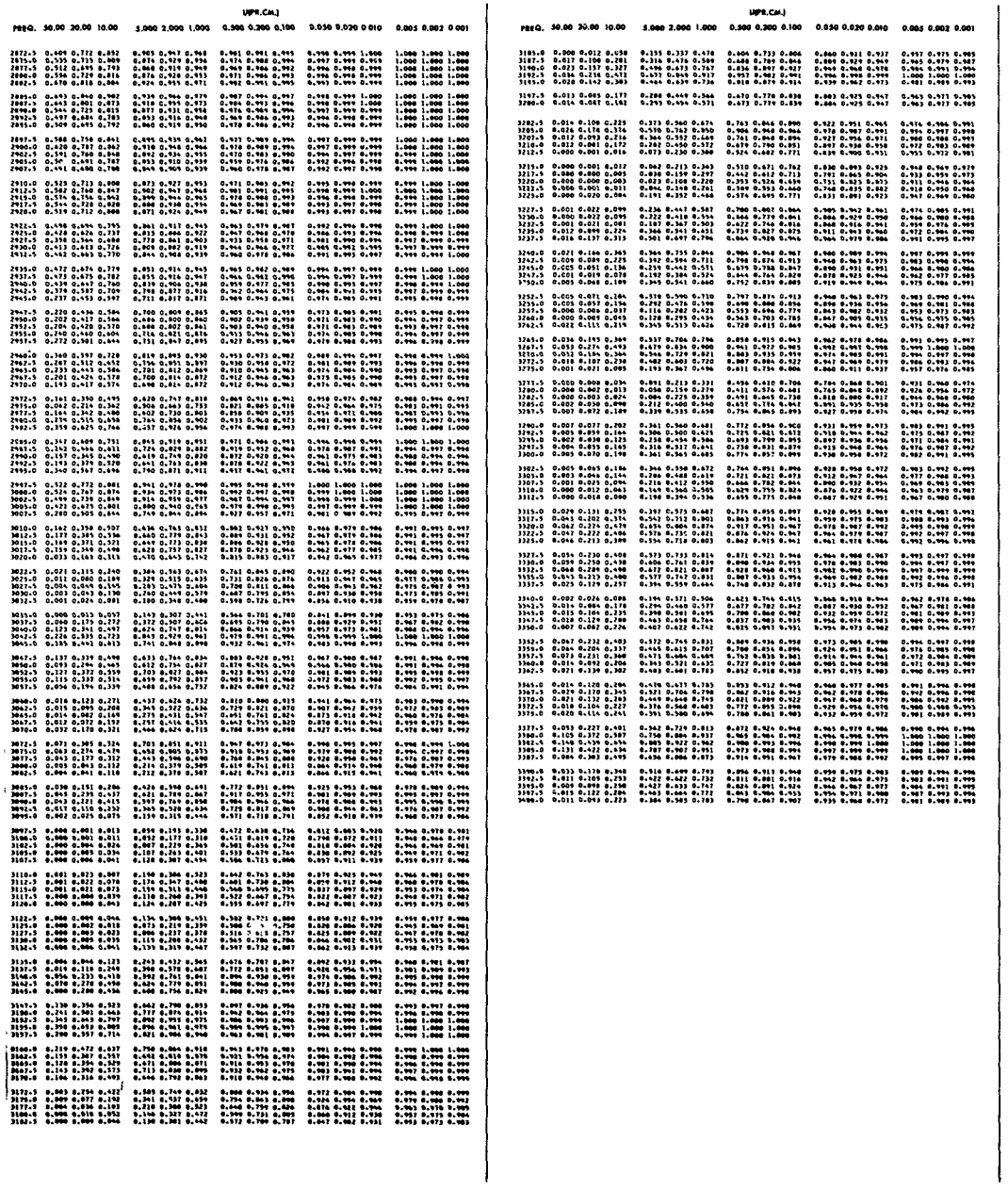
T = 200° K

WATER VAPOR AT 0.10 ATMOSPHERE PRESSURE

T = 200° K

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
2062.5	0.039	0.147	0.272	0.412	0.581	0.684	0.767	0.847	0.891	0.923	0.953	0.968	0.979	0.989	0.994
2065.0	0.056	0.177	0.304	0.440	0.602	0.700	0.775	0.855	0.896	0.926	0.955	0.970	0.980	0.990	0.994
2067.5	0.174	0.381	0.529	0.654	0.773	0.833	0.879	0.922	0.945	0.961	0.977	0.985	0.990	0.995	0.997
2070.0	0.221	0.477	0.643	0.766	0.865	0.907	0.934	0.961	0.973	0.982	0.990	0.994	0.997	0.999	0.999
2072.5	0.225	0.470	0.627	0.748	0.848	0.893	0.925	0.954	0.969	0.978	0.988	0.993	0.996	0.998	0.999
2075.0	0.272	0.497	0.640	0.750	0.845	0.890	0.922	0.952	0.967	0.978	0.988	0.993	0.996	0.998	0.999
2077.5	0.348	0.594	0.718	0.813	0.888	0.921	0.945	0.967	0.978	0.986	0.993	0.996	0.998	0.999	0.999
2080.0	0.443	0.687	0.808	0.886	0.938	0.959	0.973	0.985	0.991	0.995	0.998	0.999	0.999	1.000	1.000
2082.5	0.430	0.675	0.799	0.881	0.936	0.957	0.972	0.985	0.991	0.995	0.998	0.999	0.999	1.000	1.000
2085.0	0.411	0.655	0.784	0.869	0.928	0.952	0.968	0.982	0.989	0.994	0.997	0.999	0.997	1.000	1.000
2087.5	0.293	0.517	0.658	0.765	0.854	0.897	0.928	0.956	0.971	0.981	0.990	0.994	0.996	0.998	0.999
2090.0	0.190	0.399	0.553	0.679	0.793	0.852	0.895	0.936	0.955	0.970	0.983	0.989	0.994	0.997	0.998
2092.5	0.198	0.409	0.560	0.685	0.797	0.854	0.897	0.935	0.956	0.970	0.983	0.989	0.993	0.997	0.998
2095.0	0.286	0.518	0.663	0.772	0.859	0.901	0.931	0.958	0.971	0.981	0.989	0.993	0.996	0.998	0.999
2097.5	0.389	0.630	0.760	0.850	0.912	0.940	0.958	0.975	0.984	0.990	0.995	0.997	0.999	0.999	1.000
2100.0	0.403	0.641	0.767	0.854	0.914	0.941	0.959	0.976	0.984	0.990	0.995	0.997	0.999	0.999	1.000
2102.5	0.347	0.573	0.704	0.820	0.876	0.912	0.939	0.963	0.975	0.984	0.992	0.996	0.998	0.999	1.000
2105.0	0.261	0.480	0.623	0.735	0.832	0.881	0.917	0.949	0.966	0.978	0.989	0.994	0.997	0.999	0.999
2107.5	0.329	0.542	0.672	0.773	0.857	0.899	0.930	0.957	0.971	0.981	0.990	0.994	0.997	0.999	0.999
2110.0	0.372	0.593	0.720	0.812	0.885	0.919	0.944	0.966	0.977	0.985	0.992	0.996	0.998	0.999	0.999
2112.5	0.415	0.641	0.763	0.847	0.909	0.937	0.957	0.974	0.983	0.989	0.994	0.997	0.998	0.999	1.000
2115.0	0.439	0.658	0.777	0.855	0.913	0.940	0.958	0.975	0.983	0.989	0.994	0.997	0.998	0.999	1.000
2117.5	0.484	0.700	0.810	0.881	0.932	0.953	0.968	0.981	0.987	0.992	0.996	0.998	0.999	0.999	1.000
2120.0	0.515	0.729	0.835	0.902	0.946	0.964	0.976	0.986	0.991	0.995	0.998	0.999	0.999	1.000	1.000
2122.5	0.407	0.630	0.752	0.839	0.904	0.935	0.956	0.974	0.983	0.989	0.995	0.997	0.998	0.999	1.000
2125.0	0.378	0.600	0.728	0.818	0.889	0.924	0.948	0.969	0.979	0.986	0.993	0.996	0.998	0.999	1.000
2127.5	0.455	0.671	0.782	0.860	0.915	0.942	0.960	0.976	0.984	0.989	0.994	0.997	0.998	0.999	1.000
2130.0	0.561	0.770	0.864	0.921	0.956	0.970	0.980	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000
2132.5	0.494	0.695	0.794	0.864	0.915	0.940	0.957	0.973	0.982	0.988	0.994	0.996	0.998	0.999	1.000
2135.0	0.312	0.502	0.625	0.725	0.818	0.868	0.905	0.941	0.960	0.974	0.986	0.992	0.996	0.998	0.999
2137.5	0.235	0.433	0.569	0.684	0.791	0.849	0.892	0.933	0.955	0.971	0.985	0.992	0.996	0.998	0.999
2140.0	0.371	0.571	0.691	0.782	0.861	0.901	0.931	0.958	0.973	0.983	0.991	0.995	0.997	0.999	0.999
2142.5	0.462	0.678	0.790	0.866	0.922	0.948	0.964	0.981	0.988	0.993	0.997	0.998	0.999	1.000	1.000
2145.0	0.459	0.673	0.786	0.860	0.918	0.945	0.963	0.979	0.987	0.992	0.997	0.998	0.999	1.000	1.000
2147.5	0.495	0.700	0.804	0.874	0.925	0.948	0.965	0.979	0.987	0.992	0.997	0.998	0.999	1.000	1.000
2150.0	0.519	0.721	0.822	0.887	0.935	0.955	0.970	0.982	0.989	0.993	0.997	0.998	0.999	1.000	1.000
2152.5	0.492	0.694	0.798	0.867	0.923	0.948	0.966	0.980	0.987	0.992	0.996	0.998	0.999	1.000	1.000
2155.0	0.440	0.640	0.762	0.841	0.905	0.937	0.958	0.976	0.985	0.991	0.996	0.998	0.999	1.000	1.000
2157.5	0.474	0.678	0.783	0.857	0.914	0.942	0.961	0.978	0.986	0.992	0.996	0.998	0.999	1.000	1.000
2160.0	0.525	0.724	0.822	0.886	0.933	0.954	0.970	0.983	0.989	0.994	0.997	0.999	0.999	1.000	1.000
2162.5	0.563	0.757	0.847	0.905	0.944	0.962	0.975	0.986	0.991	0.995	0.998	0.999	0.999	1.000	1.000
2165.0	0.622	0.803	0.884	0.932	0.962	0.975	0.984	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2167.5	0.625	0.807	0.886	0.933	0.962	0.974	0.983	0.990	0.993	0.996	0.998	0.999	0.999	1.000	1.000
2170.0	0.577	0.764	0.853	0.906	0.943	0.960	0.972	0.983	0.988	0.992	0.996	0.998	0.999	1.000	1.000
2172.5	0.589	0.773	0.858	0.910	0.945	0.961	0.972	0.983	0.988	0.992	0.996	0.998	0.999	1.000	1.000
2175.0	0.682	0.845	0.915	0.950	0.971	0.980	0.986	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
2177.5	0.735	0.888	0.947	0.975	0.987	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2180.0	0.692	0.853	0.921	0.955	0.974	0.982	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2182.5	0.609	0.787	0.870	0.919	0.952	0.967	0.978	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000
2185.0	0.567	0.752	0.845	0.901	0.942	0.960	0.974	0.986	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2187.5	0.616	0.789	0.872	0.921	0.954	0.969	0.980	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2190.0	0.685	0.843	0.913	0.949	0.971	0.981	0.988	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2192.5	0.755	0.898	0.954	0.978	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2195.0	0.762	0.901	0.957	0.979	0.989	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2197.4	0.736	0.882	0.942	0.969	0.982	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2200.0	0.698	0.852	0.919	0.953	0.973	0.982	0.989	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2202.5	0.637	0.806	0.885	0.928	0.959	0.973	0.983	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2205.0	0.607	0.781	0.868	0.915	0.951	0.968	0.980	0.990	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2207.5	0.572	0.754	0.847	0.900	0.942	0.962	0.976	0.988	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2210.0	0.557	0.742	0.837	0.893	0.938	0.959	0.975	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000
2212.5	0.625	0.794	0.876	0.921	0.955	0.971	0.982	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2215.0	0.720	0.867	0.931	0.959	0.979	0.987	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2217.5	0.802	0.928	0.976	0.991	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2220.0	0.812	0.936	0.981	0.994	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2222.5	0.748	0.887	0.944	0.969	0.983	0.989	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2225.0	0.682	0.837	0.907	0.942	0.967	0.979	0.986	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2227.5	0.654	0.817	0.893	0.933	0.962	0.976	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2230.0	0.690	0.846	0.915	0.949	0.972	0.983	0.990	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000
2232.5	0.744	0.886	0.945	0.971	0.986	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2235.0	0.760	0.898	0.953	0.976	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2237.	0.794	0.921	0.969	0.986	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2240.0	0.807	0.930	0.975	0.990	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2242	0.826	0.942	0.983	0.995	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2245 0	0.817	0.935	0.978	0.991	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2247.5	0.801	0.924	0.970	0.986	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2250.0	0.786	0.914	0.963	0.981	0.992	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2252.5	0.789	0.915	0.964	0.982	0.992	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2255.0	0.801	0.922	0.969	0.985	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2257.5	0.811	0.928	0.972	0.987	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2260.0	0.821	0.935	0.978	0.991	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2262.5	0.832	0.941	0.982	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2265.0	0.841	0.948	0.987	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2267.5	0.833	0.943	0.982	0.993	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2270.0	0.820	0.935	0.977	0.990	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2272.5	0.817	0.932	0.975	0.988	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2275.0	0.824	0.937	0.978	0.991	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2277.5	0.833	0.942	0.982	0.993	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2280.0	0.829	0.941	0.981	0.993	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2282.5	0.834	0.944	0.983	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2285.0	0.839	0.947	0.986	0.995	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2287.5	0.849	0.953	0.989	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2290.0	0.843	0.949	0.986	0.995	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2292.5	0.839	0.945	0.983	0.993	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2295.0	0.832	0.941	0.980	0.991	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2297.5	0.835	0.942	0.981	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2300.0	0.838	0.945	0.983	0.994	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2302.5	0.842	0.948	0.985	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2305.0	0.847	0.952	0.988	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2307.5	0.853	0.955	0.989	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2310.0	0.858	0.958	0.991	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2312.5	0.858	0.957	0.990	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2315.0	0.852	0.953	0.988	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2317.5	0.852	0.953	0.988	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2320.0	0.854	0.954	0.989	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2322.5	0.860	0.958	0.991	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2325.0	0.860	0.958	0.991	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2327.5	0.865	0.959	0.992	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2330.0	0.863	0.958	0.991	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2332.5	0.866	0.959	0.992	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2335.0	0.862	0.957	0.990	0.997	0.999	1.000	1.000	1.000	1.000	1.00	1.000	1.000	1.000	1.000	1.000
2337.5	0.862	0.957	0.990	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2340.0	0.859	0.957	0.989	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2342.5	0.864	0.959	0.991	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2345.0	0.867	0.961	0.991	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2347.5	0.873	0.964	0.993	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2350.0	0.872	0.964	0.992	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2352.5	0.875	0.965	0.993	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2355.0	0.873	0.965	0.992	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2357.5	0.874	0.965	0.993	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2360.0	0.872	0.965	0.992	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2362.5	0.864	0.958	0.988	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2365.0	0.853	0.951	0.983	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2367.5	0.857	0.952	0.984	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2370.0	0.867	0.959	0.988	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2372.5	0.880	0.967	0.993	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2375.0	0.877	0.966	0.993	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2377.5	0.879	0.967	0.993	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2380.0	0.877	0.967	0.994	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2382.5	0.881	0.969	0.994	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2385.0	0.880	0.969	0.994	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2387.5	0.879	0.968	0.993	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2390.0	0.872	0.965	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2392.5	0.875	0.966	0.991	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2395.0	0.877	0.968	0.993	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2397.5	0.885	0.971	0.994	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2400.0	0.883	0.970	0.994	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2402.5	0.885	0.971	0.994	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2405.0	0.882	0.970	0.994	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2407.5	0.884	0.971	0.994	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2410.0	0.881	0.969	0.994	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2412.5	0.884	0.971	0.994	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2415.0	0.882	0.971	0.995	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2417.5	0.886	0.973	0.994	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2420.0	0.884	0.972	0.995	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2422.5	0.887	0.973	0.994	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2425.0	0.884	0.971	0.995	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

WATER VAPOR AT 0.10 ATMOSPHERE PRESSURE
T = 200° K



WATER VAPOR AT 0.05 ATMOSPHERE PRESSURE

T = 200° K

WATER VAPOR 0.05 ATMOSPHERE PRESSURE

T=200° K

WATER VAPOR AT 0.05 ATMOSPHERE PRESSURE

T=200° K

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
							UPR.CM.]								
2872.5	0.731	0.843	0.893	0.930	0.960	0.976	0.986	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2875.0	0.668	0.797	0.862	0.907	0.944	0.965	0.978	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2877.5	0.648	0.782	0.850	0.897	0.939	0.959	0.974	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000
2880.0	0.689	0.810	0.870	0.911	0.948	0.966	0.978	0.988	0.993	0.996	0.999	0.999	1.000	1.000	1.000
2882.5	0.784	0.880	0.921	0.946	0.968	0.978	0.985	0.992	0.995	0.998	0.999	0.999	1.000	1.000	1.000
2885.0	0.805	0.895	0.934	0.958	0.976	0.986	0.989	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2887.5	0.780	0.884	0.931	0.961	0.978	0.988	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2890.0	0.719	0.856	0.914	0.951	0.967	0.976	0.978	0.990	0.995	0.998	0.999	0.999	1.000	1.000	1.000
2892.5	0.636	0.775	0.844	0.892	0.935	0.958	0.969	0.982	0.989	0.996	0.998	0.999	1.000	1.000	1.000
2895.0	0.650	0.785	0.851	0.898	0.939	0.960	0.975	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000
2897.5	0.715	0.838	0.887	0.925	0.952	0.970	0.981	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2900.0	0.748	0.856	0.903	0.937	0.962	0.975	0.983	0.991	0.994	0.997	0.999	1.000	1.000	1.000	1.000
2902.5	0.729	0.838	0.889	0.926	0.953	0.968	0.977	0.988	0.991	0.995	0.998	0.999	0.999	1.000	1.000
2905.0	0.669	0.793	0.850	0.894	0.931	0.955	0.969	0.982	0.988	0.993	0.997	0.998	0.999	1.000	1.000
2907.5	0.637	0.775	0.844	0.891	0.933	0.956	0.969	0.982	0.989	0.993	0.997	0.998	0.999	1.000	1.000
2910.0	0.669	0.800	0.861	0.908	0.944	0.964	0.976	0.988	0.993	0.996	0.998	0.999	0.999	1.000	1.000
2912.5	0.718	0.837	0.892	0.928	0.958	0.974	0.984	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2915.0	0.716	0.834	0.890	0.927	0.954	0.973	0.982	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000
2917.5	0.684	0.816	0.878	0.913	0.943	0.963	0.981	0.989	0.993	0.996	0.998	0.999	1.000	1.000	1.000
2920.0	0.603	0.755	0.826	0.909	0.945	0.962	0.975	0.986	0.991	0.994	0.997	0.998	0.999	1.000	1.000
2922.5	0.650	0.790	0.857	0.901	0.940	0.959	0.972	0.986	0.990	0.995	0.997	0.998	0.999	1.000	1.000
2925.0	0.580	0.730	0.811	0.867	0.917	0.947	0.960	0.976	0.984	0.993	0.996	0.998	0.999	1.000	1.000
2927.5	0.562	0.717	0.802	0.863	0.917	0.947	0.962	0.978	0.986	0.994	0.997	0.998	0.999	0.999	1.000
2930.0	0.567	0.721	0.803	0.862	0.911	0.940	0.959	0.975	0.983	0.992	0.996	0.998	0.999	0.999	1.000
2932.5	0.617	0.765	0.838	0.888	0.932	0.954	0.968	0.982	0.988	0.994	0.997	0.998	0.999	0.999	1.000
2935.0	0.628	0.774	0.845	0.894	0.937	0.957	0.972	0.985	0.991	0.995	0.998	0.999	0.999	1.000	1.000
2937.5	0.628	0.776	0.848	0.898	0.939	0.958	0.973	0.986	0.991	0.995	0.998	0.999	0.999	1.000	1.000
2940.0	0.598	0.753	0.831	0.884	0.931	0.954	0.971	0.985	0.991	0.995	0.998	0.999	0.999	1.000	1.000
2942.5	0.536	0.702	0.791	0.853	0.910	0.938	0.957	0.974	0.982	0.988	0.995	0.997	0.999	0.999	1.000
2945.0	0.509	0.691	0.785	0.850	0.907	0.934	0.953	0.971	0.980	0.989	0.995	0.998	0.999	0.999	1.000
2947.5	0.582	0.757	0.834	0.885	0.931	0.953	0.967	0.980	0.986	0.992	0.996	0.998	0.999	0.999	1.000
2950.0	0.647	0.807	0.868	0.911	0.945	0.964	0.976	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000
2952.5	0.662	0.818	0.875	0.916	0.948	0.966	0.977	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000
2955.0	0.636	0.796	0.858	0.904	0.942	0.962	0.975	0.986	0.991	0.995	0.997	0.998	0.999	0.999	1.000
2957.5	0.592	0.762	0.833	0.890	0.936	0.958	0.973	0.985	0.991	0.995	0.997	0.998	0.999	0.999	1.000
2960.0	0.551	0.725	0.812	0.876	0.925	0.949	0.968	0.980	0.987	0.994	0.996	0.998	0.999	0.999	1.000
2962.5	0.536	0.715	0.805	0.872	0.923	0.948	0.967	0.980	0.987	0.993	0.996	0.998	0.999	0.999	1.000
2965.0	0.589	0.760	0.834	0.887	0.933	0.954	0.969	0.982	0.988	0.993	0.997	0.998	0.999	0.999	1.000
2967.5	0.648	0.807	0.867	0.909	0.943	0.962	0.974	0.985	0.990	0.994	0.997	0.998	0.999	0.999	1.000
2970.0	0.660	0.817	0.874	0.915	0.947	0.965	0.976	0.986	0.991	0.995	0.997	0.998	0.999	0.999	1.000
2972.5	0.601	0.771	0.844	0.900	0.940	0.960	0.973	0.985	0.991	0.995	0.997	0.998	0.999	0.999	1.000
2975.0	0.536	0.720	0.809	0.879	0.929	0.952	0.970	0.983	0.989	0.994	0.997	0.998	0.999	0.999	1.000
2977.5	0.496	0.690	0.788	0.862	0.917	0.943	0.964	0.979	0.987	0.993	0.996	0.998	0.999	0.999	1.000
2980.0	0.493	0.693	0.793	0.870	0.924	0.950	0.968	0.982	0.989	0.994	0.997	0.998	0.999	0.999	1.000
2982.5	0.542	0.744	0.828	0.887	0.934	0.957	0.973	0.986	0.991	0.995	0.997	0.998	0.999	0.999	1.000
2985.0	0.602	0.797	0.862	0.907	0.942	0.964	0.977	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000
2987.5	0.615	0.807	0.868	0.911	0.945	0.965	0.977	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000
2990.0	0.595	0.792	0.858	0.904	0.942	0.963	0.976	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000
2992.5	0.557	0.762	0.838	0.897	0.940	0.962	0.976	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000
2995.0	0.513	0.692	0.788	0.852	0.909	0.935	0.955	0.972	0.982	0.988	0.995	0.998	0.999	0.999	1.000
2997.5	0.716	0.875	0.933	0.967	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3000.0	0.710	0.865	0.927	0.961	0.983	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
3002.5	0.685	0.845	0.906	0.945	0.973	0.983	0.990	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000
3005.0	0.633	0.794	0.873	0.921	0.959	0.974	0.984	0.992	0.995	0.998	0.999	0.999	1.000	1.000	1.000
3007.5	0.558	0.741	0.825	0.884	0.933	0.957	0.974	0.987	0.992	0.996	0.998	0.999	0.999	1.000	1.000
3010.0	0.508	0.705	0.793	0.858	0.914	0.944	0.964	0.981	0.989	0.995	0.998	0.999	0.999	1.000	1.000
3012.5	0.502	0.704	0.797	0.866	0.922	0.951	0.971	0.985	0.992	0.996	0.998	0.999	0.999	1.000	1.000
3015.0	0.532	0.734	0.824	0.888	0.936	0.960	0.976	0.988	0.993	0.996	0.998	0.999	0.999	1.000	1.000
3017.5	0.582	0.778	0.853	0.907	0.945	0.966	0.978	0.989	0.993	0.997	0.998	0.999	0.999	1.000	1.000
3020.0	0.623	0.811	0.875	0.919	0.952	0.971	0.981	0.990	0.994	0.997	0.998	0.999	0.999	1.000	1.000
3022.5	0.643	0.828	0.892	0.931	0.960	0.976	0.984	0.992	0.995	0.998	0.999	0.999	1.000	1.000	1.000
3025.0	0.636	0.819	0.882	0.924	0.956	0.974	0.984	0.992	0.995	0.998	0.999	0.999	1.000	1.000	1.000
3027.5	0.608	0.796	0.864	0.913	0.950	0.971	0.982	0.991	0.995	0.998	0.999	0.999	1.000	1.000	1.000
3030.0	0.562	0.759	0.837	0.896	0.942	0.966	0.979	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000
3032.5	0.516	0.724	0.812	0.880	0.934	0.961	0.977	0.988	0.993	0.997	0.998	0.999	1.000	1.000	1.000
3035.0	0.490	0.707	0.804	0.877	0.933	0.961	0.978	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000
3037.5	0.498	0.717	0.815	0.887	0.940	0.966	0.980	0.990	0.995	0.998	0.999	0.999	1.000	1.000	1.000
3040.0	0.533	0.748	0.841	0.904	0.948	0.969	0.981	0.991	0.995	0.998	0.999	0.999	1.000	1.000	1.000
3042.5	0.579	0.787	0.868	0.923	0.956	0.973	0.984	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000
3045.0	0.617	0.819	0.890	0.936	0.963	0.978	0.986	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
3047.5	0.626	0.827	0.896	0.940	0.966	0.979	0.987	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
3050.0	0.611	0.815	0.887	0.935	0.963	0.978	0.987	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
3052.5	0.581	0.790	0.868	0.923	0.958	0.976	0.986	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
3055.0	0.551	0.765	0.848	0.911	0.952	0.973	0.985	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000
3057.5	0.533	0.752	0.838	0.904	0.948	0.971	0.983	0.992	0.995	0.998	0.999	0.999	1.000	1.000	1.000
3060.0	0.534	0.753	0.840	0.906	0.950	0.972	0.984	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000
3062.5	0.548	0.766	0.852	0.916	0.955	0.975	0.985	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
3065.0	0.570	0.785	0.868	0.927	0.960	0.978	0.987	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
3067.5	0.592	0.805	0.883	0.937	0.965	0.980	0.988	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3070.0	0.608	0.819	0.895	0.944	0.969	0.982	0.989	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3072.5	0.616	0.827	0.902	0.948	0.971	0.983	0.990	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3075.0	0.610	0.824	0.901	0.948	0.972	0.984	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3077.5	0.597	0.814	0.895	0.945	0.971	0.984	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3080.0	0.577	0.798	0.884	0.938	0.968	0.983	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3082.5	0.554	0.779	0.869	0.929	0.963	0.981	0.990	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3085.0	0.530	0.759	0.852	0.918	0.957	0.978	0.988	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
3087.5	0.511	0.743	0.838	0.909	0.952	0.974	0.986	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000
3090.0	0.502	0.738	0.836	0.907	0.951	0.973	0.985	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000
3092.5	0.507	0.742	0.842	0.913	0.955	0.976	0.986	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
3095.0	0.515	0.749	0.848	0.919	0.958	0.977	0.987	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
3097.5	0.528	0.761	0.858	0.926	0.962	0.979	0.988	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
3100.0	0.544	0.775	0.870	0.934	0.966	0.981	0.989	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3102.5	0.560	0.789	0.882	0.941	0.970	0.983	0.990	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3105.0	0.572	0.800	0.891	0.947	0.973	0.985	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3107.5	0.577	0.805	0.896	0.950	0.975	0.986	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3110.0	0.573	0.803	0.896	0.951	0.976	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3112.5	0.561	0.793	0.889	0.948	0.975	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3115.0	0.542	0.778	0.878	0.942	0.972	0.986	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3117.5	0.520	0.760	0.864	0.933	0.968	0.984	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3120.0	0.500	0.744	0.852	0.926	0.965	0.982	0.990	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3122.5	0.487	0.734	0.845	0.921	0.962	0.981	0.989	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3125.0	0.484	0.733	0.845	0.921	0.962	0.981	0.989	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3127.5	0.489	0.738	0.850	0.925	0.964	0.982	0.990	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3130.0	0.500	0.747	0.858	0.931	0.967	0.983	0.990	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3132.5	0.513	0.759	0.867	0.938	0.970	0.985	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3135.0	0.526	0.770	0.876	0.944	0.973	0.986	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3137.5	0.535	0.778	0.883	0.948	0.975	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3140.0	0.539	0.781	0.887	0.951	0.976	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3142.5	0.537	0.781	0.888	0.952	0.977	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3145.0	0.533	0.778	0.887	0.953	0.978	0.989	0.993	0.996	0.998	0.999	0.999	0.999	1.000	1.000	1.000
3147.5	0.528	0.774	0.885	0.953	0.978	0.989	0.993	0.996	0.998	0.999	0.999	0.999	1.000	1.000	1.000
3150.0	0.527	0.774	0.886	0.954	0.979	0.990	0.994	0.996	0.998	0.999	0.999	0.999	1.000	1.000	1.000
3152.5	0.531	0.778	0.890	0.957	0.981	0.991	0.994	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000
3155.0	0.540	0.786	0.897	0.962	0.983	0.992	0.995	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000
3157.5	0.553	0.797	0.906	0.967	0.985	0.993	0.996	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000
3160.0	0.568	0.810	0.916	0.972	0.987	0.994	0.996	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3162.5	0.583	0.823	0.926	0.976	0.989	0.995	0.997	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3165.0	0.596	0.834	0.934	0.980	0.991	0.995	0.997	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3167.5	0.606	0.843	0.941	0.983	0.992	0.996	0.998	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3170.0	0.612	0.849	0.946	0.985	0.993	0.996	0.998	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3172.5	0.615	0.852	0.949	0.986	0.994	0.997	0.998	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3175.0	0.614	0.852	0.949	0.987	0.994	0.997	0.998	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3177.5	0.609	0.848	0.947	0.986	0.994	0.997	0.998	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3180.0	0.601	0.842	0.943	0.985	0.993	0.997	0.998	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3182.5	0.591	0.834	0.938	0.983	0.992	0.996	0.998	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3185.0	0.579	0.825	0.931	0.980	0.991	0.995	0.997	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3187.5	0.567	0.815	0.924	0.976	0.989	0.995	0.997	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3190.0	0.556	0.806	0.917	0.973	0.988	0.994	0.997	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3192.5	0.547	0.799	0.912	0.971	0.987	0.994	0.996	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3195.0	0.542	0.795	0.909	0.970	0.986	0.993	0.996	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3197.5	0.541	0.795	0.909	0.970	0.986	0.993	0.996	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3200.0	0.545	0.798	0.912	0.972	0.987	0.994	0.996	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000

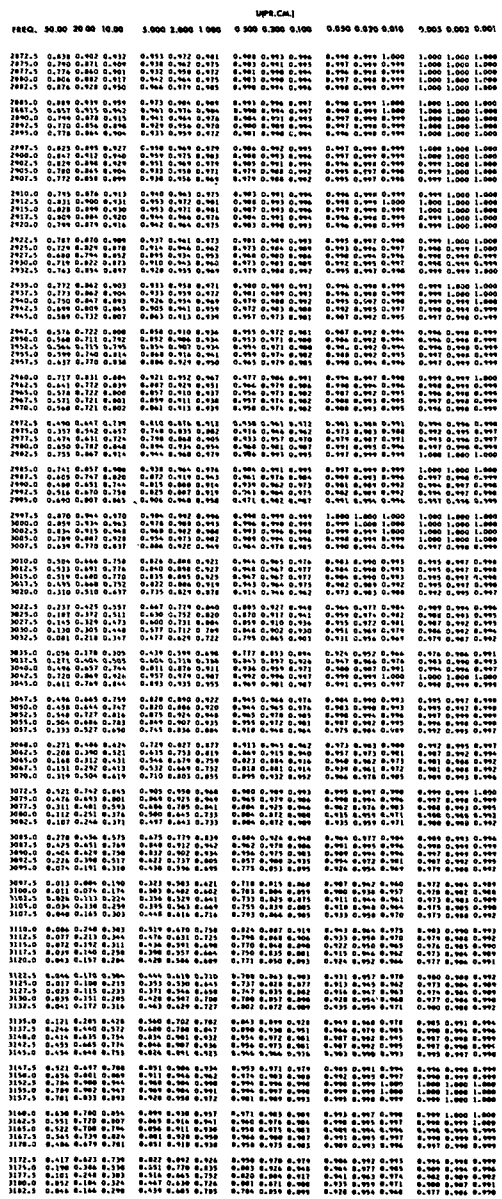
FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
							UPR.CM.]								
3202.5	0.549	0.801	0.914	0.973	0.988	0.994	0.997	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3205.0	0.554	0.805	0.917	0.975	0.989	0.995	0.997	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3207.5	0.561	0.810	0.921	0.977	0.990	0.995	0.997	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3210.0	0.567	0.815	0.925	0.979	0.991	0.995	0.997	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3212.5	0.572	0.819	0.928	0.980	0.991	0.995	0.997	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3215.0	0.576	0.822	0.930	0.981	0.992	0.996	0.997	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3217.5	0.578	0.823	0.931	0.981	0.992	0.996	0.997	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3220.0	0.578	0.823	0.931	0.981	0.992	0.996	0.997	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3222.5	0.577	0.822	0.930	0.981	0.992	0.996	0.997	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3225.0	0.574	0.820	0.929	0.980	0.991	0.995	0.997	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3227.5	0.571	0.818	0.927	0.979	0.991	0.995	0.997	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3230.0	0.568	0.815	0.925	0.978	0.990	0.995	0.997	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3232.5	0.564	0.812	0.923	0.977	0.990	0.994	0.997	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3235.0	0.561	0.810	0.921	0.976	0.989	0.994	0.996	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3237.5	0.558	0.807	0.919	0.975	0.989	0.994	0.996	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3240.0	0.555	0.804	0.917	0.974	0.988	0.993	0.996	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3242.5	0.554	0.804	0.916	0.973	0.988	0.993	0.996	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3245.0	0.553	0.803	0.916	0.973	0.988	0.993	0.996	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3247.5	0.553	0.803	0.916	0.973	0.988	0.993	0.996	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3250.0	0.554	0.804	0.916	0.973	0.988	0.993	0.996	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3252.5	0.556	0.805	0.917	0.974	0.988	0.993	0.996	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3255.0	0.558	0.807	0.919	0.975	0.989	0.994	0.996	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3257.5	0.561	0.809	0.920	0.976	0.989	0.994	0.996	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3260.0	0.564	0.812	0.922	0.977	0.990	0.994	0.997	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3262.5	0.567	0.814	0.924	0.978	0.990	0.995	0.997	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000
3265.0	0.570	0.817	0.926	0.979	0.991	0.995	0.997	0.998	0.999	0.999	0.999	0.999	1.000	1.000

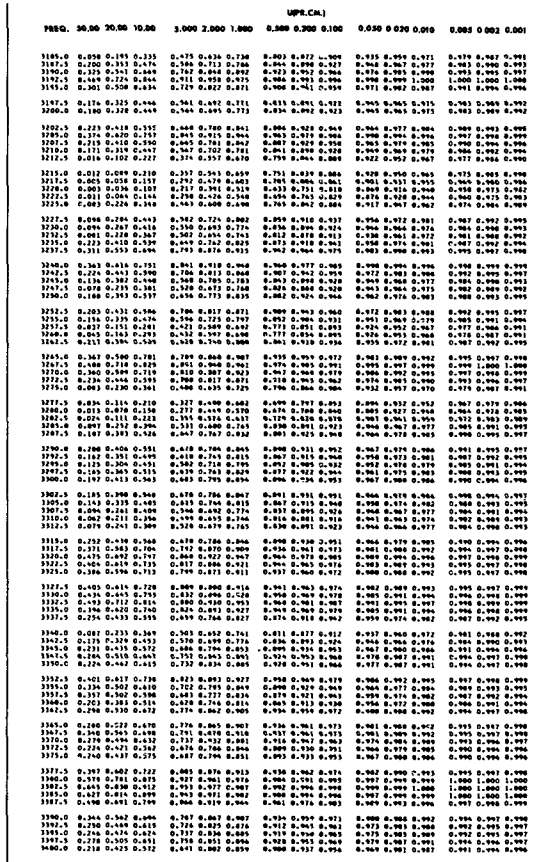
WATER VAPOR AT 0.02 ATMOSPHERE PRESSURE
T-200° K

WATER VAPOR AT 0.02 ATMOSPHERE PRESSURE
T-200° K

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
							UPR.CM.]								
1935.0	0.184	0.446	0.647	0.782	0.886	0.938	0.965	0.984	0.994	0.998	0.998	0.999	1.000	1.000	1.000
1937.5	0.240	0.522	0.723	0.852	0.927	0.964	0.982	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000
1940.0	0.343	0.654	0.830	0.917	0.963	0.984	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1942.5	0.526	0.832	0.948	0.973	0.990	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1945.0	0.805	0.951	0.992	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1947.5	0.984	0.998	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1950.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1952.5	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1955.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1957.5	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1960.0	0.276	0.529	0.680	0.785	0.873	0.933	0.966	0.984	0.994	0.998	0.998	0.999	1.000	1.000	1.000
1962.5	0.178	0.379	0.523	0.665	0.784	0.882	0.939	0.974	0.992	0.997	0.999	1.000	1.000	1.000	1.000
1965.0	0.103	0.246	0.376	0.504	0.670	0.789	0.900	0.955	0.984	0.995	0.998	0.999	1.000	1.000	1.000
1967.5	0.059	0.154	0.247	0.350	0.474	0.636	0.820	0.892	0.955	0.981	0.994	0.998	0.999	1.000	1.000
1970.0	0.031	0.113	0.183	0.253	0.355	0.493	0.702	0.815	0.893	0.955	0.984	0.995	0.998	0.999	1.000
1972.5	0.044	0.094	0.151	0.186	0.238	0.340	0.473	0.644	0.788	0.899	0.959	0.985	0.995	0.998	0.999
1975.0	0.050	0.083	0.098	0.091	0.126	0.210	0.346	0.479	0.644	0.788	0.899	0.959	0.985	0.995	0.998
1977.5	0.022	0.029	0.027	0.028	0.055	0.095	0.183	0.346	0.479	0.644	0.788	0.899	0.959	0.985	0.995
1980.0	0.006	0.010	0.011	0.022	0.038	0.072	0.095	0.183	0.346	0.479	0.644	0.788	0.899	0.959	0.985
1982.5	0.001	0.001	0.002	0.007	0.015	0.038	0.072	0.095	0.183	0.346	0.479	0.644	0.788	0.899	0.959
1985.0	0.000	0.000	0.000	0.002	0.006	0.015	0.038	0.072	0.095	0.183	0.346	0.479	0.644	0.788	0.899
1987.5	0.000	0.000	0.000	0.000	0.002	0.006	0.015	0.038	0.072	0.095	0.183	0.346	0.479	0.644	0.788
1990.0	0.000	0.000	0.000	0.000	0.000	0.002	0.006	0.015	0.038	0.072	0.095	0.183	0.346	0.479	0.644
1992.5	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.006	0.015	0.038	0.072	0.095	0.183	0.346	0.479
1995.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.006	0.015	0.038	0.072	0.095	0.183	0.346
1997.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.006	0.015	0.038	0.072	0.095	0.183
2000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.006	0.015	0.038	0.072	0.095
2002.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.006	0.015	0.038	0.072
2005.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.006	0.015	0.038
2007.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.006	0.015
2010.0	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.006
2012.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002
2015.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2017.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2020.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2022.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2025.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2027.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2030.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2032.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2035.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2037.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2040.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2042.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2045.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2047.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2050.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2052.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2055.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2057.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2060.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2062.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2065.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2067.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2070.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2072.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2075.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2077.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2080.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2082.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2085.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2087.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2090.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2092.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2095.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2097.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2182.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2185.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2187.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2190.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2192.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2195.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2197.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2200.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2202.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2205.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2207.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2210.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2212.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2215.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2217.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2220.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2222.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2225.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2227.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2230.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2232.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2235.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2237.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2240.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2242.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2245.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2247.5	0.963	0.996	0.998	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2250.0	0.953	0.979	0.986	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2252.5	0.955	0.980	0.993	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2255.0	0.962	0.985	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2257.5	0.968	0.987	0.991	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2260.0	0.974	0.991	0.994	0.994	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2262.5	0.978	0.993	0.995	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2265.0	0.984	0.997	0.998	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2267.5	0.978	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2270.0	0.970	0.989	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2272.5	0.968	0.987	0.992	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2275.0	0.973	0.990	0.994	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2277.5	0.977	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2280.0	0.979	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2282.5	0.977	0.992	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2285.0	0.980	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2287.5	0.984	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2290.0	0.985	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2292.5	0.978	0.992	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2295.0	0.976	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2297.5	0.977	0.991	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2300.0	0.979	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2302.5	0.979	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2305.0	0.981	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2307.5	0.984	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2310.0	0.988	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2312.5	0.988	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2315.0	0.984	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2317.5	0.984	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2320.0	0.984	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2322.5	0.987	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2325.0	0.987	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2327.5	0.988	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2330.0	0.988	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2332.5	0.988	0.997	0.998	0.999	1.000	1.000	1.000

WATER VAPOR AT 0.02 ATMOSPHERE PRESSURE
T=200° K





WATER VAPOR AT 0.01 ATMOSPHERE PRESSURE

T=200° K

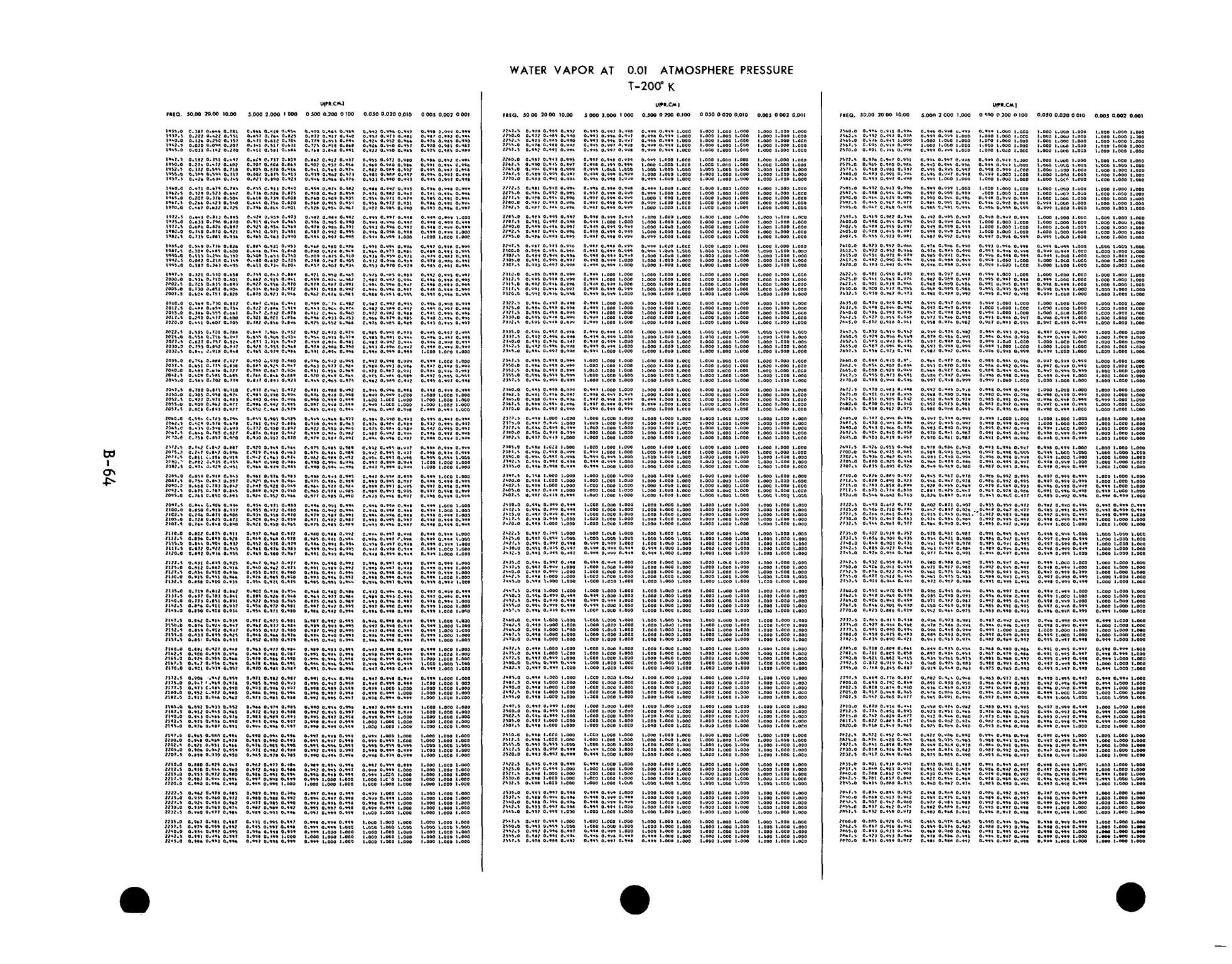
U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
497.5	0.998	0.998	0.999	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1000.0	0.998	0.998	0.999	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1002.5	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1005.0	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1007.5	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1010.0	0.998	0.998	0.999	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1012.5	0.998	0.999	0.999	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1015.0	0.998	0.999	0.999	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1017.5	0.998	0.999	0.999	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1020.0	0.998	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1022.5	0.997	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1025.0	0.997	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1027.5	0.997	0.997	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1030.0	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1032.5	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1035.0	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1037.5	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1040.0	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1042.5	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1045.0	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1047.5	0.992	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1050.0	0.991	0.997	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1052.5	0.989	0.994	0.998	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1055.0	0.985	0.993	0.997	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1057.5	0.982	0.988	0.997	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1060.0	0.981	0.985	0.997	0.989	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1062.5	0.983	0.980	0.993	0.985	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1065.0	0.977	0.983	0.991	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1067.5	0.981	0.989	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1070.0	0.987	0.993	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1072.5	0.990	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1075.0	0.990	0.996	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1077.5	0.994	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1080.0	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1082.5	0.999	1.000	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1085.0	0.992	0.997	0.998	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1087.5	0.990	0.995	0.997	0.998	0.998	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1090.0	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1092.5	0.992	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1095.0	0.992	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1097.5	0.989	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1100.0	0.976	0.986	0.993	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1102.5	0.976	0.985	0.990	0.991	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1105.0	0.978	0.988	0.992	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1107.5	0.976	0.987	0.991	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1110.0	0.971	0.983	0.988	0.992	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1112.5	0.971	0.983	0.988	0.992	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1115.0	0.981	0.991	0.994	0.996	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1117.5	0.981	0.991	0.994	0.996	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1120.0	0.972	0.985	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1122.5	0.972	0.985	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1125.0	0.982	0.991	0.994	0.996	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1127.5	0.988	0.996	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1130.0	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1132.5	0.993	0.986	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1135.0	0.960	0.977	0.985	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
1137.5	0.960	0.977	0.985	0.988	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
1140.0	0.971	0.986	0.989	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1142.5	0.977	0.988	0.992	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1145.0	0.974	0.987	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1147.5	0.958	0.977	0.986	0.988	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1150.0	0.958	0.978	0.986	0.989	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1152.5	0.958	0.978	0.986	0.989	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1155.0	0.972	0.986	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1157.5	0.974	0.988	0.992	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1160.0	0.971	0.986	0.990	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1162.5	0.965	0.980	0.989	0.985	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1165.0	0.972	0.985	0.988	0.978	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1167.5	0.970	0.985	0.988	0.977	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1170.0	0.971	0.985	0.988	0.983	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1172.5	0.970	0.981	0.987	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1175.0	0.970	0.981	0.987	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1177.5	0.971	0.981	0.987	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1180.0	0.962	0.977	0.985	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1182.5	0.956	0.975	0.984	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
1185.0	0.929	0.967	0.983	0.974	0.993	0.988	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
1187.5	0.940	0.971	0.985	0.978	0.994	0.990	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
1190.0	0.920	0.955	0.980	0.978	0.986	0.990	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
1192.5	0.936	0.967	0.977	0.984	0.990	0.993	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
1195.0	0.944	0.971	0.980	0.986	0.991	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
1197.5	0.925	0.959	0.979	0.979	0.987	0.991	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
1200.0	0.935	0.955	0.968	0.978	0.986	0.990	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
1202.5	0.925	0.955	0.980	0.987	0.991	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
1205.0	0.936	0.967	0.977	0.984	0.990	0.993	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
1207.5	0.893	0.939	0.957	0.970	0.982	0.989	0.993	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
1210.0	0.884	0.913	0.938	0.956	0.972	0.980	0.986	0.991	0.994	0.997	0.998	0.999	0.999	1.000	1.000
1212.5	0.852	0.911	0.957	0.955	0.972	0.980	0.986	0.991	0.994	0.997	0.998	0.999	0.999	1.000	1.000
1215.0	0.868	0.926	0.963	0.975	0.982	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
1217.5	0.849	0.904	0.944	0.962	0.976	0.984	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000
1220.0	0.856	0.916	0.941	0.958	0.974	0.982	0.989	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000
1222.5	0.837	0.901	0.931	0.952	0.970	0.980	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000
1225.0	0.823	0.879	0.917	0.947	0.967	0.977	0.986	0.991	0.994	0.997	0.998	0.999	0.999	1.000	1.000
1227.5	0.853	0.912	0.938	0.956	0.972	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000
1230.0	0.858	0.916	0.941	0.958	0.974	0.982	0.989	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000
1232.5	0.877	0.926	0.954	0.968	0.979	0.986	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000
1235.0	0.879	0.932	0.953	0.967	0.979	0.986	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000
1237.5	0.870	0.911	0.939	0.957	0.971	0.982	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000
1240.0	0.857	0.911	0.944	0.964	0.978	0.985	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000
1242.5	0.837	0.881	0.920	0.943	0.964	0.975	0.983	0.989	0.993	0.996	0.997	0.998	0.999	0.999	1.000
1245.0	0.853	0.913	0.943	0.963	0.976	0.985	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000
1247.5	0.838	0.903	0.933	0.953	0.971	0.979	0.986	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
1250.0	0.813	0.864	0.921	0.944	0.965	0.975	0.983	0.989	0.993	0.996	0.997	0.998	0.999	0.999	1.000
1252.5	0.723	0.774	0.902	0.934	0.964	0.974	0.983	0.989	0.993	0.996	0.997	0.998	0.999	0.999	1.000
1255.0	0.796	0.871	0.917	0.943	0.963	0.974	0.983	0.989	0.993	0.996	0.997	0.998	0.999	0.999	1.000
1257.5	0.749	0.842	0.918	0.942	0.964	0.975	0.983	0.989	0.993	0.996	0.997	0.998	0.999	0.999	1.000
1260.0	0.767	0.860	0.902	0.931	0.957	0.970	0.979	0.987	0.991	0.994	0.997	0.998	0.999	0.999	1.000
1262.5	0.772	0.829	0.906	0.934	0.958	0.971	0.980	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000
1265.0	0.666	0.788	0.868	0.910	0.945	0.964	0.976	0.985	0.991	0.994	0.997	0.998	0.999	0.999	1.000
1267.5	0.684	0.794	0.874	0.915	0.947	0.966	0.978	0.986	0.991	0.995	0.997	0.998	0.999	0.999	1.000
1270.0	0.529	0.686	0.786	0.851	0.896	0.932	0.955	0.976	0.986	0.993	0.995	0.997	0.998	0.999	1.000
1272.5	0.665	0.768	0.851	0.897	0.931	0.954	0.973	0.983	0.990	0.993	0.996	0.997	0.998	0.999	1.000
1275.0	0.684	0.784	0.864	0.914	0.944	0.965	0.977	0.986	0.991	0.994	0.997	0.998	0.999	0.999	1.000
1277.5	0.659	0.813	0.912	0.939	0.959	0.973	0.983	0.989	0.993	0.996	0.997	0.998	0.999	0.999	1.000
1280.0	0.730	0.840	0.907	0.941	0.963	0.976	0.984	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000
1282.5	0.737	0.850	0.921	0.949	0.967	0.978	0.985	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000
1285.0	0.637	0.817	0.917	0.945	0.967	0.977	0.985	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000
1287.5	0.630	0.781	0.841	0.887	0.927	0.948	0.964	0.978	0.985	0.991	0.994	0.997	0.998	0.999	1.000
1290.0	0.781	0.823	0.912	0.941	0.961	0.973	0.984	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000
1292.5	0.750	0.849	0.944	0.964	0.976	0.985	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000
1295.0	0.761	0.783	0.844	0.887	0.927	0.948	0.964	0.978	0.985	0.991	0.994	0.997	0.998	0.999	1.000
1297.5	0.632	0.781	0.841	0.887	0.927	0.948	0.964	0.978	0.985	0.991	0.994	0.997	0.998	0.999	1.000
1300.0	0.765	0.860	0.904	0.931	0.956	0.969	0.979	0.987	0.991	0.994	0.997	0.998	0.999	0.999	1.000
1302.5	0.879	0.941	0.968	0.978	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
1305.0	0.837	0.917	0.957	0.973	0.985	0.991	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
1307.5	0.701	0.816	0.870	0.907	0.941	0.958	0.971	0.982	0.988	0.992	0.995	0.997	0.998	0.999	1.000

U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1310.0	0.983	0.986	0.996	0.995	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1312.5	0.921	0.960	0.980	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
1315.0	0.784	0.868	0.931	0.962	0.979	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
1317.5	0.530	0.681	0.829	0.910	0.955	0.977	0.987	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
1320.0	0.421	0.600	0.709	0.781	0.858	0.898	0.928	0.954	0.968	0.978	0.987	0.991	0.995	0.998	0.999
1322.5	0.490	0.660	0.754	0.822	0.885	0.918	0.942	0.963	0.975	0.982	0.990	0.993	0.995	0.997	0.998
1325.0	0.516	0.693	0.774	0.837	0.895	0.925	0.947	0.967	0.977	0.984	0.991	0.994	0.996	0.998	0.999
1327.5	0.530	0.684	0.783	0.843	0.899	0.929	0.950	0.969	0.978	0.985	0.991	0.995	0.997	0.998	0.999
1330.0	0.512	0.682	0.771	0.837	0.895	0.925	0.947	0.967	0.978	0.985	0.991	0.995	0.997	0.998	0.999
1332.5	0.516	0.683	0.775	0.838	0.895	0.925	0.947	0.967	0.978	0.985	0.991	0.995	0.997	0.998	0.999
1335.0	0.335	0.518	0.636	0.728	0.818	0.868	0.904	0.940	0.958	0.971	0.983	0.988	0.993	0.996	0.998
1337.5	0.190	0.360	0.491	0.601	0.720	0.789	0.854	0.908	0.933	0.953	0.971	0.980	0.987	0.993	0.995
1340.0	0.158	0.326	0.462	0.581	0.706	0.780	0.844	0.899	0.928	0.948	0.969	0.978	0.985	0.992	0.995
1342.5	0.152	0.304	0.452	0.700	0.795	0.865	0.888	0.928	0.946	0.964	0.978	0.985	0.990	0.994	0.996
1345.0	0.457	0.629	0.734	0.805	0.873	0.904	0.941	0.958	0.971	0.980	0.987	0.991	0.994	0.997	0.998
1347.5	0.535	0.690	0.787	0.849	0.904	0.932	0.952	0.970	0.979	0.985	0.991	0.994	0.996	0.998	0.999
1350.0	0.425	0.619	0.731	0.808	0.877	0.907	0.938	0.961	0.973	0.982	0.989	0.992	0.995	0.997	0.998
1352.5	0.425	0.601	0.715	0.790	0.860	0.900	0.935	0.958	0.971	0.980	0.988	0.992	0.995	0.997	0.998
1355.0	0.337	0.525	0.648	0.741	0.831	0.878	0.913	0.947	0.964	0.977	0.986	0.991	0.994	0.996	0.998
1357.5	0.205	0.389	0.522	0.639	0.756	0.825	0.871	0.917	0.942	0.959	0.975	0.985	0.989	0.994	0.997
1360.0	0.103	0.251	0.384	0.516	0.658	0.745	0.813	0.878	0.911	0.938	0.967	0.976	0.983	0.990	0.994
1362.5	0.072	0.209	0.341	0.474	0.629	0.727	0.797	0.870	0.907	0.932	0.957	0.970	0.980	0.988	0.992
1365.0	0.140	0.307	0.435	0.557	0.691	0.770	0.831	0.890	0.921	0.944	0.965	0.976	0.983	0.990	0.993
1367.5	0.184	0.360	0.485	0.607	0.736	0.805	0.853	0.904	0.931	0.951	0.969	0.978	0.985	0.991	0.994
1370.0	0.201	0.412	0.560	0.678	0.781	0.850	0.893	0.932	0.952	0.966	0.979	0.986	0.990	0.994	0.996
1372.5	0.169	0.277	0.421	0.553	0.699	0.775	0.853	0.924	0.946	0.966	0.977	0.986	0.990	0.993	0.996
1375.0	0.260	0.369	0.536	0.679	0.815	0.877	0.923	0.944	0.960	0.973	0.982	0.988	0.992	0.995	0.997
1377.5	0.260	0.367	0.536	0.679	0.815	0.877	0.923	0.944	0.960	0.973	0.982	0.988	0.992	0.995	0.997
1380.0	0.220	0.313	0.483	0.631	0.783	0.863	0.907	0.929	0.944	0.961	0.978	0.985	0.990	0.994	0.996
1382.5	0.197	0.379	0.513	0.629	0.767	0.813	0.864	0.912	0.937	0.956	0.972	0.981	0.987	0.991	0.995
1385.0	0.070	0.197	0.326	0.442	0.621	0.716	0.792	0.864	0.903	0.931	0.957	0.970	0.980	0.988	0.992
1387.5	0.070	0.197	0.326	0.442	0.621	0.716	0.792	0.864	0.903	0.931	0.957	0.970	0.980	0.988	0.992
1390.0	0.048	0.172	0.307	0.423	0.607	0.707	0.787	0.863	0.902	0.931	0.957	0.970	0.980	0.988	0.992
1392.5	0.010	0.076	0.184

WATER VAPOR AT 0.01 ATMOSPHERE PRESSURE
T=200° K



WATER VAPOR AT 0.01 ATMOSPHERE PRESSURE
T=200° K

FREQ.	U(PR CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
2872.5	0.647	0.610	0.651	0.966	0.879	0.986	0.991	0.945	0.987	0.998	0.999	1.000	1.000	1.000	1.000
2875.0	0.852	0.907	0.955	0.996	0.972	0.981	0.987	0.991	0.996	0.997	0.999	1.000	1.000	1.000	1.000
2877.5	0.961	0.889	0.928	0.950	0.962	0.979	0.986	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2880.0	0.985	0.959	0.941	0.999	0.994	0.982	0.988	0.993	0.995	0.998	0.999	0.999	1.000	1.000	1.000
2882.5	0.996	0.986	0.989	0.998	0.997	0.989	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
2885.0	0.999	0.994	0.992	0.999	0.997	0.994	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000
2887.5	0.999	0.997	0.996	0.999	0.998	0.997	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
2890.0	0.999	0.998	0.997	0.999	0.998	0.998	0.994	0.996	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2892.5	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2895.0	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2897.5	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2900.0	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2902.5	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2905.0	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2907.5	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2910.0	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2912.5	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2915.0	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2917.5	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2920.0	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2922.5	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2925.0	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2927.5	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2930.0	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2932.5	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2935.0	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2937.5	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2940.0	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2942.5	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2945.0	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2947.5	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2950.0	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2952.5	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2955.0	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2957.5	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2960.0	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2962.5	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2965.0	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2967.5	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2970.0	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2972.5	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2975.0	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2977.5	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2980.0	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2982.5	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2985.0	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2987.5	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2990.0	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2992.5	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2995.0	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
2997.5	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
3000.0	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
3002.5	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
3005.0	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
3007.5	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
3010.0	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
3012.5	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
3015.0	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
3017.5	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
3020.0	0.999	0.998	0.997	0.999	0.998	0.998	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
3022.5	0.385	0.558	0.662	0.754	0.839	0.884	0.917	0.947	0.963	0.974	0.984	0.989	0.992	0.995	0.997
3025.0	0.326	0.513	0.629	0.725	0.818	0.864	0.907	0.940	0.958	0.970	0.981	0.987	0.991	0.995	0.996
3027.5	0.282	0.475	0.603	0.703	0.804	0.854	0.898	0.935	0.954	0.968	0.979	0.986	0.990	0.994	0.996
3030.0	0.259	0.467	0.596	0.693	0.798	0.850	0.895	0.933	0.952	0.965	0.978	0.985	0.990	0.994	0.996
3032.5	0.259	0.467	0.596	0.693	0.798	0.850	0.895	0.933	0.952	0.965	0.978	0.985	0.990	0.994	0.996
3035.0	0.263	0.474	0.604	0.701	0.804	0.854	0.898	0.935	0.954	0.968	0.979	0.986	0.990	0.994	0.996
3037.5	0.282	0.475	0.603	0.703	0.804	0.854	0.898	0.935	0.954	0.968	0.979	0.986	0.990	0.994	0.996
3040.0	0.326	0.513	0.629	0.725	0.818	0.864	0.907	0.940	0.958	0.970	0.981	0.987	0.991	0.995	0.996
3042.5	0.385	0.558	0.662	0.754	0.839	0.884	0.917	0.947	0.963	0.974	0.984	0.989	0.992	0.995	0.997
3045.0	0.436	0.624	0.729	0.807	0.877	0.913	0.938	0.961	0.973	0.981	0.988	0.992	0.995	0.996	0.998
3047.5	0.547	0.711	0.798	0.857	0.910	0.936	0.955	0.972	0.980	0.986	0.991	0.994	0.996	0.998	0.999
3050.0	0.644	0.776	0.847	0.897	0.935	0.955	0.969	0.980	0.986	0.990	0.993	0.995	0.997	0.998	0.999
3052.5	0.717	0.824	0.882	0.926	0.953	0.969	0.979	0.986	0.990	0.993	0.995	0.997	0.998	0.999	0.999
3055.0	0.767	0.858	0.907	0.944	0.967	0.979	0.986	0.991	0.993	0.995	0.997	0.998	0.999	0.999	0.999
3057.5	0.797	0.882	0.926	0.956	0.975	0.984	0.990	0.993	0.995	0.997	0.998	0.999	0.999	0.999	0.999
3060.0	0.436	0.624	0.729	0.807	0.877	0.913	0.938	0.961	0.973	0.981	0.988	0.992	0.995	0.996	0.998
3062.5	0.345	0.521	0.635	0.728	0.819	0.865	0.906	0.939	0.957	0.969	0.980	0.986	0.990	0.994	0.996
3065.0	0.275	0.461	0.592	0.694	0.799	0.852	0.897	0.934	0.953	0.967	0.978	0.985	0.990	0.994	0.996
3067.5	0.255	0.461	0.592	0.694	0.799	0.852	0.897	0.934	0.953	0.967	0.978	0.985	0.990	0.994	0.996
3070.0	0.462	0.619	0.710	0.781	0.854	0.894	0.924	0.951	0.965	0.975	0.984	0.989	0.992	0.995	0.997
3072.5	0.697	0.854	0.905	0.941	0.967	0.979	0.986	0.992	0.995	0.998	0.999	1.000	1.000	1.000	1.000
3075.0	0.844	0.921	0.957	0.973	0.986	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
3077.5	0.941	0.951	0.944	0.983	0.990	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
3080.0	0.996	0.976	0.952	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3082.5	0.208	0.370	0.476	0.609	0.731	0.802	0.856	0.907	0.934	0.953	0.971	0.979	0.986	0.992	0.995
3085.0	0.413	0.571	0.673	0.754	0.836	0.881	0.915	0.944	0.962	0.973	0.984	0.989	0.992	0.995	0.997
3087.5	0.602	0.752	0.844	0.897	0.939	0.959	0.972	0.984	0.989	0.993	0.996	0.997	0.998	0.999	0.999
3090.0	0.574	0.764	0.850	0.906	0.951	0.966	0.978	0.988	0.988	0.992	0.995	0.997	0.998	0.999	0.999
3092.5	0.356	0.516	0.621	0.708	0.803	0.855	0.903	0.938	0.958	0.972	0.983	0.989	0.993	0.996	0.998
3095.0	0.157	0.310	0.438	0.553	0.696	0.785	0.853	0.906	0.934	0.954	0.969	0.979	0.986	0.991	0.994
3097.5	0.059	0.190	0.323	0.460	0.620	0.716	0.792	0.865	0.903	0.932	0.958	0.971	0.980	0.988	0.992
3100.0	0.052	0.174	0.303	0.439	0.601	0.701	0.780	0.856	0.897	0.931	0.955	0.968	0.978	0.987	0.991
3102.5	0.095	0.226	0.354	0.489	0.639	0.731	0.803	0.872	0.909	0.935	0.958	0.970	0.979	0.987	0.992
3105.0	0.159	0.299	0.394	0.526	0.664	0.754	0.820	0.883	0.917	0.941	0.963	0.974	0.982	0.989	0.992
3107.5	0.227	0.382	0.468	0.578	0.715	0.792	0.850	0.901	0.927	0.947	0.967	0.977	0.984	0.991	0.994
3110.0	0.197	0.363	0.519	0.637	0.757	0.826	0.873	0.917	0.942	0.959	0.974	0.982	0.987	0.992	0.995
3112.5	0.114	0.264	0.436	0.566	0.724	0.797	0.853	0.905	0.932	0.952	0.970	0.979	0.985	0.991	0.994
3115.0	0.068	0.210	0.395	0.535	0.689	0.769	0.831	0.890	0.921	0.944	0.965	0.975	0.983	0.989	0.993
3117.5	0.109	0.256	0.430	0.561	0.719	0.793	0.851	0.902	0.929	0.949	0.968	0.978	0.985	0.990	0.993
3120.0	0.123	0.264	0.420	0.549	0.688	0.769	0.832	0.891	0.922	0.945	0.965	0.976	0.983	0.990	0.993
3122.5	0.332	0.504	0.644	0.732	0.709	0.784	0.844	0.901	0.930	0.950	0.969	0.978	0.985	0.991	0.994
3125.0	0.212	0.407	0.575	0.702	0.844	0.896	0.931	0.961	0.976	0.984	0.990	0.993	0.995	0.997	0.998
3127.5	0.085	0.231	0.371	0.506	0.656	0.755	0.834	0.900	0.934	0.959	0.977	0.985	0.990	0.994	0.996
3130.0	0.115	0.265	0.407	0.539	0.698	0.778	0.844	0.904	0.936	0.959	0.977	0.985	0.990	0.994	0.996
3132.5	0.132	0.286	0.463	0.592	0.726	0.801	0.857	0.908	0.935	0.954	0.971	0.980	0.986	0.991	0.994
3135.0	0.240	0.428	0.560	0.671	0.781	0.842	0.887	0.928	0.949	0.964	0.977	0.984	0.988	0.993	0.995
3137.5	0.343	0.521	0.647	0.744	0.836	0.889	0.921	0.950	0.965	0.975	0.985	0.989	0.992	0.995	0.997
3140.0	0.506	0.653	0.767	0.840	0.904	0.933	0.947	0.969	0.976	0.983	0.989	0.992	0.994	0.996	0.997
3142.5	0.620	0.773	0.865	0.924	0.955	0.970	0.969	0.981	0.987	0.991	0.993	0.995	0.997	0.998	0.999
3145.0	0.805	0.893	0.945	0.977	0.985	0.992	0.984	0.991	0.994	0.996	0.997	0.998	0.999	0.999	0.999
3147.5	0.859	0.787	0.850	0.895	0.933	0.953	0.967	0.979	0.985	0.990	0.994	0.996	0.997	0.998	0.999
3150.0	0.770	0.867	0.910	0.939	0.961	0.973	0.981	0.988	0.992	0.994	0.996	0.998	0.998	0.999	0.999
3152.5	0.837	0.907	0.943	0.965	0.979	0.986	0.991	0.994	0.996	0.997	0.998	0.999	0.999	0.999	1.000
3155.0	0.878	0.945	0.966	0.979	0.988	0.993	0.995	0.996	0.998	0.998	0.999	0.999	1.000	1.000	1.000
3157.5	0.806	0.891	0.926	0.950	0.970	0.979	0.986	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
3160.0	0.768	0.853	0.898	0.930	0.956	0.969	0.979	0.987	0.991	0.995	0.997	0.998	0.999	1.000	1.000
3162.5	0.684	0.806	0.866	0.905	0.940	0.958	0.971	0.982	0.988	0.992	0.995	0.997	0.998	0.999	1.000
3165.0	0.661	0.792	0.855	0.899	0.936	0.956	0.969	0.981	0.987	0.992	0.995	0.997	0.998	0.999	1.000
3167.5	0.702	0.823	0.875	0.917	0.948	0.964	0.975	0.985	0.990	0.994	0.996	0.998	0.999	0.999	1.000
3170.0	0.416	0.780	0.850,	0.897	0.937	0.956	0.970	0.982	0.988	0.992	0.995	0.997	0.998	0.999	0.999
3172.5	0.577	0.738	0.821	0.877	0.925	0.948	0.964	0.978	0.985	0.990	0.994	0.996	0.997	0.998	0.999
3175.0	0.287	0.529	0.650	0.744	0.836	0.885	0.926	0.967	0.963	0.975	0.985	0.989	0.992	0.995	0.997
3177.5	0.207	0.387	0.513	0.634	0.751	0.819	0.868	0.917	0.942	0.961	0.977	0.985	0.990	0.994	0.996
3180.0	0.194	0.374	0.497	0.594	0.726	0.800	0.855	0.907	0.934	0.953	0.970	0.979	0.986	0.991	0.994
3182.5	0.129	0.298	0.439	0.567	0.705	0.783	0.843	0.899	0.928	0.949	0.967	0.977	0.984	0.990	0.993

FREQ.	U(PR.CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
3185.0	0.154	0.335	0.475	0.600	0.730	0.803	0.857	0.908	0.934	0.953	0.971	0.979	0.985	0.991	0.994
3187.5	0.215	0.424	0.586	0.695	0.786	0.843	0.886	0.927	0.948	0.963	0.978	0.985	0.988	0.993	0.995
3190.0	0.293	0.469	0.761	0.835	0.891	0.923	0.945	0.966	0.976	0.983	0.989	0.993	0.995	0.997	0.998
3192.5	0.672	0.845	0.910	0.961	0.975	0.985	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
3195.0	0.961	0.934	0.729	0.982	0.973	0.987	0.933	0.958	0.970	0.979	0.987	0.991	0.994	0.996	0.997
3197.5	0.287	0.444	0.561	0.663	0.770	0.832	0.878	0.921	0.944	0.960	0.975	0.982	0.988	0.992	0.995
3200.0	0.240	0.449	0.564	0.665	0.772	0.833	0.879	0.922	0.944	0.961	0.975	0.982	0.988	0.992	0.995
3202.5	0.370	0.555	0.667	0.756	0.840	0.885	0.918	0.949	0.963	0.974	0.984	0.989	0.992	0.995	0.996
3205.0	0.566	0.736	0.845	0.901	0.943	0.963	0.975	0.985	0.990	0.993	0.996	0.997	0.998	0.999	0.999
3207.5	0.362	0.550	0.665	0.756	0.842	0.887	0.920	0.949	0.964	0.975	0.985	0.989	0.993	0.996	0.997
3210.0	0.280	0.544	0.567	0.672	0.780	0.840	0.885	0.926	0.948	0.963	0.977	0.984	0.989	0.994	0.996
3212.5	0.272	0.527	0.576	0.555	0.664	0.758	0.825	0.887	0.920	0.944	0.965	0.976	0.983	0.990	0.993
3215.0	0.267	0.210	0.157	0.560	0.658	0.750	0.819	0.886	0.918	0.942	0.964	0.975	0.982	0.989	0.992
3217.5	0.038	0.157	0.297	0.435	0.603	0.704	0.791	0.859	0.899	0.929	0.955	0.968	0.978	0.986	0.990
3220.0	0.022	0.107	0.217	0.363	0.519	0.631	0.729	0.817	0.867	0.905	0.939	0.957	0.970	0.981	0.987
3222.5	0.046	0.146	0.258	0.384	0.547	0.653	0.761	0.838	0.885	0.920	0.943	0.959	0.971	0.982	0.988
3225.0	0.188	0.267	0.442	0.568	0.689	0.764	0.824	0.886	0.916	0.940	0.961	0.973	0.981	0.988	0.992
3227.5	0.233	0.447	0.592	0.694	0.801	0.858	0.899	0.936	0.954	0.968	0.980	0.986	0.990	0.994	0.996
3230.0	0.220	0.415	0.570	0.681	0.792	0.849	0.891	0.929	0.948	0.963	0.976	0.983	0.988	0.993	0.995
3232.5	0.187	0.367	0.507	0.620	0.743	0.812	0.864	0.912	0.937	0.955	0.972	0.980	0.986	0.991	0.994
3235.0	0.365	0.539	0.649	0.737	0.825	0.872	0.908	0.943	0.958	0.970	0.981	0.987	0.991	0.994	0.996
3237.5	0.498	0.691	0.792	0.859	0.919	0.941	0.959	0.975	0.982	0.988	0.993	0.995	0.997	0.998	0.999
3240.0	0.561	0.750	0.840	0.898	0.940	0.960	0.973	0.984	0.989	0.992	0.996	0.997	0.998	0.999	0.999
3242.5	0.350	0.540	0.705	0.791	0.867	0.907	0.934	0.958	0.973	0.980	0.987	0.991	0.994	0.996	0.998
3245.0	0.258	0.442	0.567	0.675	0.783	0.847	0.896	0.927	0.948	0.963	0.977	0.984	0.989	0.993	0.995
3247.5	0.195	0.345	0.520	0.640	0.759	0.825	0.876	0.916	0.943	0.959	0.973	0.982	0.987	0.992	0.994
3250.0	0.343	0.537	0.655	0.747	0.835	0.881	0.915	0.944	0.962	0.973	0.983	0.988	0.992	0.995	0.996
3252.5	0.376	0.586	0.706	0.743	0.870	0.909	0.936	0.960	0.972	0.980	0.988	0.991	0.994	0.996	0.997
3255.0	0.290	0.471	0.598	0.695	0.797	0.852	0.893	0.931	0.951	0.965	0.978	0.985	0.989	0.993	0.995
3257.5	0.215	0.281	0.421	0.551	0.692	0.773	0.836	0.901	0.925	0.945	0.965	0.976	0.983	0.990	0.993
3260.0	0.127	0.293	0.432	0.559	0.697	0.777	0.838	0.895	0.925	0.946	0.966	0.976	0.984	0.990	0.993
3262.5	0.342	0.508	0.620	0.733	0.828	0.880	0.919	0.953	0.954	0.969	0.980	0.986	0.990	0.994	0.996
3265.0	0.532	0.702	0.789	0.851	0.906	0.934	0.953	0.971	0.980	0.986	0.992	0.994	0.996	0.998	0.999
3267.5	0.620	0.824	0.869

APPENDIX C

WATER VAPOR TRANSMISSIONS AVERAGED OVER 20 cm^{-1} WITH ENTRIES EVERY 10 cm^{-1} FOR FREQUENCIES FROM 1000 cm^{-1} TO 10,000 cm^{-1} AT 300°K, 250°K, AND 200°K

WATER VAPOR AT 1.00 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER 20cm^{-1}

WATER VAPOR AT 1.00 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER 20cm^{-1}

WATER VAPOR AT 1.00 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER 20cm^{-1}

FREQ.	UPPER CM									
	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
9310.0	0.177	C.194	0.498	0.625	0.760	0.835	0.898	0.942	0.967	0.983	0.993	0.996	0.998	0.999	1.000
9320.0	0.176	C.181	0.518	0.664	0.775	0.868	0.903	0.952	0.972	0.985	0.994	0.997	0.998	0.999	1.000
9330.0	0.184	C.188	0.485	0.647	0.787	0.867	0.910	0.956	0.975	0.987	0.994	0.997	0.998	0.999	1.000
9340.0	0.181	C.186	0.468	0.627	0.767	0.868	0.907	0.956	0.978	0.988	0.995	0.998	0.998	0.999	1.000
9350.0	0.186	C.216	0.444	0.581	0.733	0.825	0.894	0.950	0.974	0.986	0.994	0.997	0.998	0.999	1.000
9360.0	0.179	C.194	0.546	0.650	0.771	0.847	0.906	0.954	0.977	0.988	0.995	0.998	0.998	1.000	1.000
9370.0	0.181	C.197	0.569	0.680	0.802	0.876	0.923	0.960	0.980	0.990	0.996	0.998	0.999	1.000	1.000
9380.0	0.186	C.203	0.537	0.667	0.806	0.878	0.927	0.967	0.983	0.991	0.996	0.999	0.999	1.000	1.000
9390.0	0.192	C.202	0.569	0.683	0.787	0.863	0.916	0.961	0.978	0.990	0.996	0.998	0.999	1.000	1.000
9400.0	0.194	C.207	0.567	0.682	0.782	0.874	0.924	0.951	0.974	0.987	0.995	0.997	0.998	0.999	1.000
9410.0	0.175	C.184	0.513	0.644	0.753	0.862	0.919	0.963	0.981	0.990	0.996	0.998	0.998	0.999	1.000
9420.0	0.182	C.207	0.474	0.602	0.744	0.827	0.893	0.947	0.973	0.985	0.994	0.997	0.998	0.999	1.000
9430.0	0.184	C.204	0.515	0.647	0.761	0.839	0.897	0.951	0.975	0.987	0.994	0.997	0.998	0.999	1.000
9440.0	0.184	C.202	0.593	0.696	0.791	0.851	0.892	0.949	0.973	0.986	0.994	0.997	0.998	0.999	1.000
9450.0	0.196	C.228	0.598	0.696	0.802	0.853	0.878	0.932	0.964	0.981	0.992	0.996	0.998	0.999	1.000
9460.0	0.192	C.198	0.541	0.647	0.683	0.786	0.862	0.938	0.968	0.979	0.989	0.995	0.998	0.999	1.000
9470.0	0.176	C.227	0.376	0.525	0.697	0.797	0.870	0.932	0.961	0.978	0.991	0.995	0.997	0.999	1.000
9480.0	0.167	C.195	0.278	0.416	0.599	0.737	0.809	0.893	0.935	0.961	0.984	0.992	0.996	0.998	0.999
9490.0	0.181	C.187	0.264	0.386	0.578	0.704	0.802	0.891	0.935	0.963	0.984	0.992	0.996	0.998	0.999
9500.0	0.178	C.198	0.283	0.421	0.616	0.736	0.825	0.904	0.943	0.967	0.986	0.993	0.996	0.998	0.999
9510.0	0.207	C.224	0.295	0.401	0.603	0.721	0.811	0.896	0.938	0.963	0.984	0.991	0.996	0.998	0.999
9520.0	0.225	C.241	0.270	0.392	0.626	0.745	0.832	0.908	0.945	0.967	0.985	0.992	0.996	0.998	0.999
9530.0	0.227	C.232	0.261	0.411	0.650	0.776	0.855	0.917	0.948	0.969	0.985	0.992	0.996	0.998	0.999
9540.0	0.216	C.224	0.296	0.458	0.699	0.816	0.880	0.929	0.955	0.972	0.988	0.994	0.997	0.998	0.999
9550.0	0.177	C.223	0.382	0.529	0.696	0.793	0.863	0.925	0.955	0.974	0.989	0.994	0.997	0.998	0.999
9560.0	0.160	C.221	0.370	0.525	0.693	0.791	0.864	0.926	0.956	0.975	0.989	0.994	0.997	0.999	0.999
9570.0	0.167	C.216	0.359	0.543	0.704	0.807	0.872	0.930	0.957	0.976	0.990	0.995	0.997	0.999	0.999
9580.0	0.164	C.203	0.225	0.364	0.555	0.691	0.800	0.897	0.941	0.968	0.987	0.993	0.996	0.999	0.999
9590.0	0.123	C.156	0.068	0.265	0.390	0.590	0.693	0.782	0.864	0.919	0.962	0.980	0.992	0.998	0.999
9600.0	0.092	C.120	0.031	0.166	0.286	0.504	0.610	0.716	0.780	0.852	0.898	0.943	0.972	0.988	0.993
9610.0	0.063	C.096	0.029	0.077	0.169	0.381	0.425	0.590	0.704	0.802	0.897	0.943	0.970	0.988	0.994
9620.0	0.053	C.101	0.045	0.204	0.382	0.559	0.670	0.805	0.878	0.926	0.964	0.982	0.991	0.996	0.999
9630.0	0.067	C.117	0.057	0.225	0.412	0.611	0.715	0.848	0.917	0.949	0.975	0.989	0.995	0.998	0.999
9640.0	0.067	C.118	0.122	0.275	0.456	0.761	0.847	0.921	0.954	0.971	0.989	0.994	0.997	0.999	1.000
9650.0	0.076	C.141	0.211	0.342	0.543	0.784	0.861	0.931	0.964	0.981	0.993	0.996	0.998	0.999	1.000
9660.0	0.087	C.221	0.373	0.526	0.693	0.778	0.864	0.933	0.965	0.979	0.989	0.995	0.998	0.999	0.999
9670.0	0.106	C.251	0.336	0.537	0.729	0.853	0.913	0.959	0.979	0.989	0.995	0.998	0.999	0.999	0.999
9680.0	0.106	C.251	0.334	0.547	0.733	0.853	0.913	0.959	0.979	0.989	0.995	0.998	0.999	0.999	0.999
9690.0	0.106	C.251	0.334	0.547	0.733	0.853	0.913	0.959	0.979	0.989	0.995	0.998	0.999	0.999	0.999
9700.0	0.106	C.251	0.334	0.547	0.733	0.853	0.913	0.959	0.979	0.989	0.995	0.998	0.999	0.999	0.999
9710.0	0.114	C.238	0.327	0.373	0.563	0.688	0.786	0.877	0.926	0.956	0.980	0.990	0.995	0.998	0.999
9720.0	0.124	C.243	0.263	0.388	0.573	0.704	0.798	0.878	0.925	0.956	0.980	0.990	0.995	0.998	0.999
9730.0	0.122	C.222	0.221	0.382	0.564	0.691	0.788	0.882	0.928	0.959	0.981	0.990	0.995	0.998	0.999
9740.0	0.122	C.222	0.236	0.352	0.536	0.666	0.772	0.876	0.927	0.959	0.982	0.991	0.995	0.998	0.999
9750.0	0.123	C.224	0.192	0.315	0.500	0.637	0.749	0.862	0.918	0.954	0.981	0.990	0.995	0.998	0.999
9760.0	0.131	C.249	0.287	0.527	0.697	0.802	0.880	0.945	0.971	0.985	0.994	0.997	0.999	1.000	1.000
9770.0	0.115	C.234	0.238	0.479	0.661	0.785	0.867	0.935	0.967	0.983	0.993	0.997	0.998	1.000	1.000
9780.0	0.112	C.234	0.238	0.479	0.661	0.785	0.867	0.935	0.967	0.983	0.993	0.997	0.998	1.000	1.000
9790.0	0.112	C.234	0.238	0.479	0.661	0.785	0.867	0.935	0.967	0.983	0.993	0.997	0.998	1.000	1.000
9800.0	0.112	C.234	0.238	0.479	0.661	0.785	0.867	0.935	0.967	0.983	0.993	0.997	0.998	1.000	1.000
9810.0	0.268	C.402	0.620	0.767	0.857	0.911	0.955	0.978	0.988	0.994	0.998	0.999	0.999	1.000	1.000
9820.0	0.267	C.403	0.567	0.676	0.808	0.885	0.938	0.972	0.986	0.992	0.997	0.998	0.999	1.000	1.000
9830.0	0.257	C.418	0.568	0.682	0.810	0.885	0.939	0.965	0.984	0.992	0.997	0.998	0.999	1.000	1.000
9840.0	0.257	C.418	0.568	0.682	0.810	0.885	0.939	0.965	0.984	0.992	0.997	0.998	0.999	1.000	1.000
9850.0	0.268	C.402	0.620	0.767	0.857	0.911	0.955	0.978	0.988	0.994	0.998	0.999	0.999	1.000	1.000
9860.0	0.271	C.411	0.648	0.778	0.865	0.916	0.958	0.979	0.989	0.995	0.998	0.999	0.999	1.000	1.000
9870.0	0.271	C.411	0.648	0.778	0.865	0.916	0.958	0.979	0.989	0.995	0.998	0.999	0.999	1.000	1.000
9880.0	0.271	C.411	0.648	0.778	0.865	0.916	0.958	0.979	0.989	0.995	0.998	0.999	0.999	1.000	1.000
9890.0	0.271	C.411	0.648	0.778	0.865	0.916	0.958	0.979	0.989	0.995	0.998	0.999	0.999	1.000	1.000
9900.0	0.271	C.411	0.648	0.778	0.865	0.916	0.958	0.979	0.989	0.995	0.998	0.999	0.999	1.000	1.000
9910.0	0.271	C.411	0.648	0.778	0.865	0.916	0.958	0.979	0.989	0.995	0.998	0.999	0.999	1.000	1.000
9920.0	0.271	C.411	0.648	0.778	0.865	0.916	0.958	0.979	0.989	0.995	0.998	0.999	0.999	1.000	1.000
9930.0	0.271	C.411	0.648	0.778	0.865	0.916	0.958	0.979	0.989	0.995	0.998	0.999	0.999	1.000	1.000
9940.0	0.271	C.411	0.648	0.778	0.865	0.916	0.958	0.979	0.989	0.995	0.998	0.999	0.999	1.000	1.000
9950.0	0.271	C.411	0.648	0.778	0.865	0.916	0.958	0.979	0.989	0.995	0.998	0.999	0.999	1.000	1.000
9960.0	0.276	C.414	0.624	0.756	0.861	0.910	0.955	0.978	0.988	0.994	0.998	0.999	0.999	1.000	1.000
9970.0	0.282	C.426	0.656	0.817	0.892	0.933	0.968	0.984	0.992	0.996	0.998	0.999	0.999	1.000	1.000
9980.0	0.276	C.432	0.650	0.812	0.893	0.935	0.970	0.985	0.993	0.996	0.998	0.999	0.999	1.000	1.000
9990.0	0.276	C.432	0.650	0.812	0.893	0.935	0.970	0.985	0.993	0.996	0.998	0.999	0.999	1.000	1.000
10000.0	0.276	C.432	0.650	0.812	0.893	0.935	0.970	0.985	0.993	0.996	0.998	0.999	0.999	1.000	1.000
10010.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10020.0	0.281	C.441	0.703	0.843	0.915	0.950	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10030.0	0.281	C.441	0.703	0.843	0.915	0.950	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10040.0	0.281	C.441	0.703	0.843	0.915	0.950	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10050.0	0.281	C.441	0.703	0.843	0.915	0.950	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10060.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10070.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10080.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10090.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10100.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10110.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10120.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10130.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10140.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10150.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10160.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10170.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10180.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10190.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10200.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10210.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10220.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10230.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10240.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10250.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10260.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10270.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10280.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10290.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10300.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10310.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10320.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10330.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10340.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10350.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10360.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10370.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10380.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10390.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10400.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10410.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10420.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10430.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10440.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10450.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10460.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10470.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10480.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10490.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
10500.0	0.284	C.448	0.708	0.847	0.917	0.951	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000

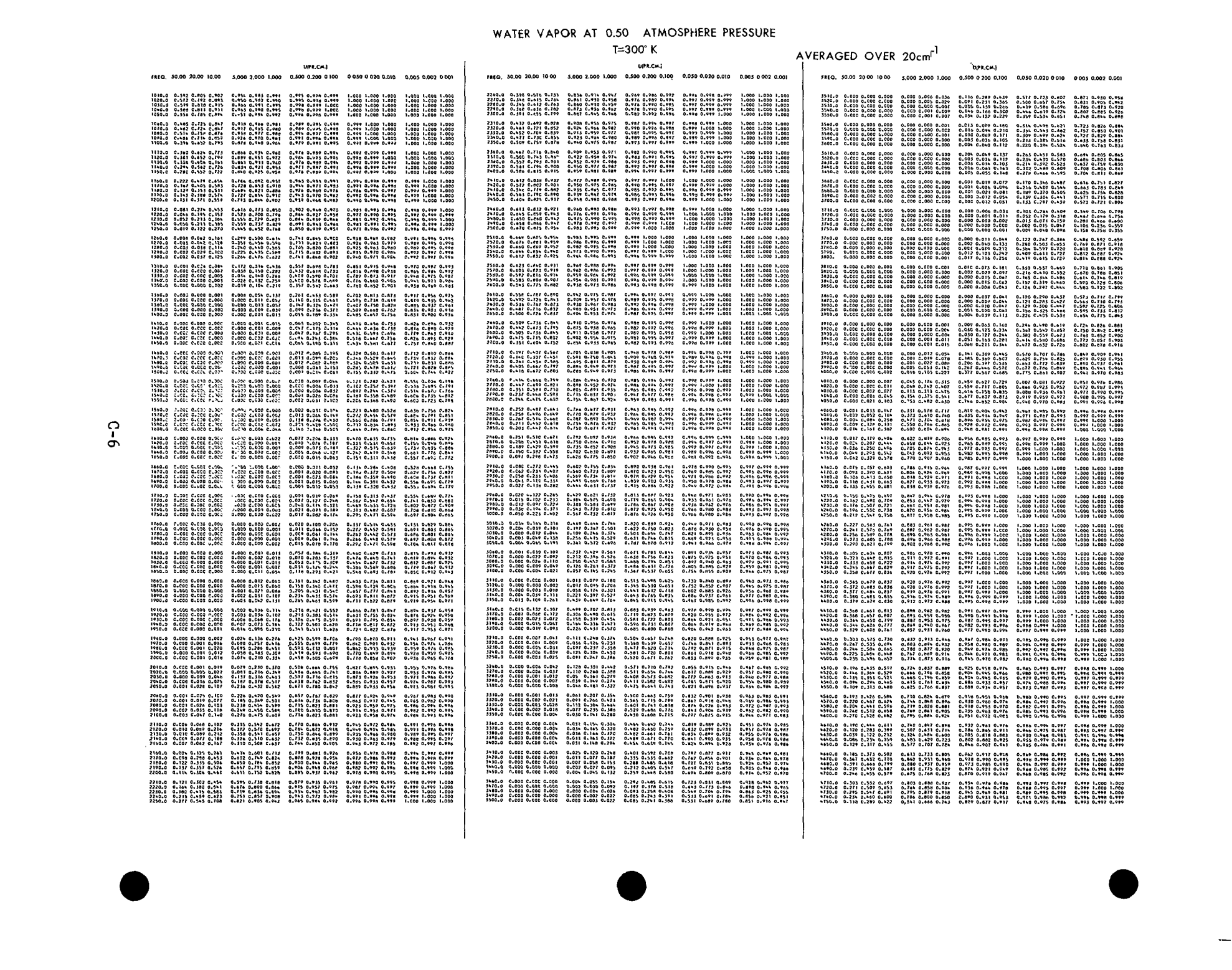
FREQ.	UPPER CM									
	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
9760.0	0.458	C.756	0.829	0.885	0.936	0.961	0.978	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000
9770.0	0.425	C.762	0.836	0.893	0.943	0.967	0.982	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
9780.0	0.439	C.772	0.844	0.898	0.944	0.969	0.984	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9790.0	0.466	C.772	0.838	0.893	0.933	0.961	0.979	0.991	0.995	0.998	0.999	1.000	1.000	1.000	1.000
9800.0	0.499	C.687	0.762	0.861	0.931	0.962	0.980	0.991	0.995	0.998	0.999	1.000	1.000	1.000	1.000
9810.0	0.416	C.766	0.852	0.912	0.959	0.978	0.989	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9820.0	0.737	C.846	0.765	0.858	0.914	0.947	0.969	0.986	0.993	0.996	0.999	0.999	1.000	1.000	1.000
9830.0	0.436	C.653	0.858	0.765	0.858	0.892	0.931	0.969	0.984	0.992	0.997	0.998	0.999	1.000	1.000
9840.0	0.504	C.662	0.718	0.787	0.862	0.907	0.943	0.973	0.986	0.993	0.997	0.999	0.999	1.000	1.000
9850.0	0.602	C.765	0.826	0.880	0.939	0.965	0.980	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
9860.0	0.387	C.744	0.844	0.740	0.858	0.895	0.937	0.971	0.985	0.992	0.997	0.998	0.999	1.000	1.000
9870.0	0.393	C.761	0.851	0.760	0.878	0.913	0.946	0.975	0.987	0.993	0.997	0.998	0.999	1.000	1.000
9880.0	0.432	C.779	0.855	0.808	0.902	0.932	0.957	0.979	0.989	0.994	0.998	0.999	1.000	1.000	1.000
9890.0	0.481	C.786	0.847	0.804	0.901	0.932	0.955	0.978	0.989	0.994	0.998	0.999	1.000	1.000	1.000
9900.0	0.541	C.713	0.807	0.873	0.933	0.961	0.978	0.990	0.995	0.998	0.999	1.000	1.000	1.000	1.000
9910.0	0.401	C.573	0.678	0.765	0.857	0.909	0.947	0.976	0.988	0.994	0.997	0.998	1.000	1.000	1.000
9920.0	0.445	C.560	0.686	0.770	0.859	0.910	0.947	0.976	0.988	0.994	0.997	0.999	1.000	1.000	1.000
9930.0	0.529	C.604	0.790	0.858	0.919	0.951	0.972	0.988	0.994	0.997	0.999	1.000	1.000	1.000	1.000
9940.0	0.561	C.726	0.816	0.878	0.934	0.961	0.978	0.990	0.995	0.998	0.999	1.000	1.000	1.000	1.000
9950.0	0.547	C.717	0.809	0.873	0.930	0.958	0.976	0.990	0.995	0.997	0.999	1.000	1.000	1.000	1.000
9960.0	0.547	C.735	0.823	0.882	0.935	0.961	0.978	0.991	0.995	0.997	0.999	1.000	1.000	1.000	1.000
9970.0	0.547	C.713	0.805	0.872	0.931	0.959	0.978	0.990	0.995	0.997	0.999	0.999	1.000	1.000	1.000
9980.0	0.421	C.602	0.718	0.831	0.899	0.942	0.969	0.987	0.993	0.997	0.999	0.999	1.000	1.000	1.000
9990.0	0.420	C.602	0.716	0.807	0.898	0.942	0.969	0.987	0.993	0.997	0.999	0.999	1.000	1.000	1.000

FREQ.	UPPER CM									
	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
9760.0	0.458	C.756	0.829	0.885	0.936	0.961	0.978	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000
9770.0	0.425	C.762	0.836	0.893	0.943	0.967	0.982	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
9780.0	0.439	C.772	0.844	0.898	0.944	0.969	0.984	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9790.0	0.466	C.772	0.838	0.893	0.933	0.961	0.979	0.991	0.995	0.998	0.999	1.000	1.000	1.000	1.000
9800.0	0.499	C.687	0.762	0.861	0.931	0.962	0.980	0.991	0.995	0.998	0.999	1.000	1.000	1.000	1.000
9810.0	0.416	C.766	0.852	0.912	0.959	0.978	0.989	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9820.0	0.737	C.846	0.765	0.858	0.914	0.947	0.969	0.986	0.993	0.996	0.999	0.999	1.000	1.000	1.000
9830.0	0.436	C.653	0.858	0.765	0.858	0.892	0.931	0.969	0.984	0.992	0.997	0.998	0.999	1.000	1.000
9840.0	0.504	C.662	0.718	0.787	0.862	0.907	0.943	0.973	0.986	0.993	0.997	0.999	0.999	1.000	1.000
9850.0	0.602	C.765	0.826	0.880	0.939	0.965	0.980	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
9860.0	0.387	C.744	0.844	0.740	0.858	0.895	0.937	0.971	0.985	0.992	0.997	0.998	0.999	1.000	1.000
9870.0	0.393	C.761	0.851	0.760	0.878	0.913	0.946	0.975	0.987	0.993	0.997	0.998	0.999	1.000	1.000
9880.0	0.432	C.779	0.855	0.808	0.902	0.932	0.957	0.979	0.989	0.994	0.998	0.999	1.000	1.000	1.000
9890.0	0.481	C.786	0.847	0.804	0.901	0.932	0.955	0.978	0.989	0.994	0.998	0.999	1.000	1.000	1.000
9900.0	0.541	C.713	0.

WATER VAPOR AT 0.50 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER $20cm^{-1}$



WATER VAPOR AT 0.50 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER 20cm^{-1}

WATER VAPOR AT 0.50 ATMOSPHERE PRESSURE

T=300°K

AVERAGED OVER 20cm^{-1}

FREQ.	UPR.CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
9510.0	0.293	0.479	0.650	0.795	0.893	0.951	0.981	0.995	0.999	0.999	0.999	1.000	1.000	1.000	1.000
9520.0	0.295	0.482	0.653	0.797	0.895	0.952	0.981	0.995	0.999	0.999	0.999	1.000	1.000	1.000	1.000
9530.0	0.297	0.485	0.656	0.799	0.896	0.953	0.982	0.995	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9540.0	0.298	0.487	0.659	0.801	0.898	0.954	0.982	0.995	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9550.0	0.300	0.490	0.661	0.803	0.899	0.955	0.983	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9560.0	0.302	0.492	0.664	0.805	0.900	0.956	0.983	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9570.0	0.303	0.495	0.666	0.807	0.901	0.957	0.984	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9580.0	0.305	0.497	0.669	0.809	0.903	0.958	0.984	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9590.0	0.307	0.500	0.671	0.811	0.904	0.959	0.985	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9600.0	0.308	0.502	0.674	0.813	0.905	0.960	0.985	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9610.0	0.310	0.505	0.676	0.815	0.906	0.961	0.985	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9620.0	0.312	0.507	0.679	0.817	0.907	0.962	0.986	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9630.0	0.313	0.510	0.681	0.819	0.909	0.963	0.986	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9640.0	0.315	0.512	0.684	0.821	0.910	0.964	0.986	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9650.0	0.317	0.515	0.686	0.823	0.911	0.965	0.987	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9660.0	0.318	0.517	0.689	0.825	0.912	0.966	0.987	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9670.0	0.320	0.520	0.691	0.827	0.913	0.967	0.987	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9680.0	0.322	0.522	0.694	0.829	0.914	0.968	0.988	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9690.0	0.323	0.525	0.696	0.831	0.916	0.969	0.988	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9700.0	0.325	0.527	0.699	0.833	0.917	0.970	0.988	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9710.0	0.327	0.530	0.701	0.835	0.918	0.971	0.989	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9720.0	0.328	0.532	0.704	0.837	0.919	0.972	0.989	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9730.0	0.330	0.535	0.706	0.839	0.920	0.973	0.989	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9740.0	0.332	0.537	0.709	0.841	0.922	0.974	0.990	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9750.0	0.333	0.540	0.711	0.843	0.923	0.975	0.990	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9760.0	0.335	0.542	0.714	0.845	0.924	0.976	0.990	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9770.0	0.337	0.545	0.716	0.847	0.925	0.977	0.990	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9780.0	0.338	0.547	0.719	0.849	0.926	0.978	0.991	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9790.0	0.340	0.550	0.721	0.851	0.928	0.979	0.991	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9800.0	0.342	0.552	0.724	0.853	0.929	0.980	0.991	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9810.0	0.343	0.555	0.726	0.855	0.930	0.981	0.991	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9820.0	0.345	0.557	0.729	0.857	0.931	0.982	0.992	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9830.0	0.347	0.560	0.731	0.859	0.932	0.983	0.992	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9840.0	0.348	0.562	0.734	0.861	0.934	0.984	0.992	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9850.0	0.350	0.565	0.736	0.863	0.935	0.985	0.992	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9860.0	0.352	0.567	0.739	0.865	0.936	0.986	0.993	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9870.0	0.353	0.570	0.741	0.867	0.937	0.987	0.993	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9880.0	0.355	0.572	0.744	0.869	0.938	0.988	0.993	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9890.0	0.357	0.575	0.746	0.871	0.940	0.989	0.993	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9900.0	0.358	0.577	0.749	0.873	0.941	0.990	0.994	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9910.0	0.360	0.580	0.751	0.875	0.942	0.991	0.994	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9920.0	0.362	0.582	0.754	0.877	0.943	0.992	0.994	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9930.0	0.363	0.585	0.756	0.879	0.944	0.993	0.994	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9940.0	0.365	0.587	0.759	0.881	0.946	0.994	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9950.0	0.367	0.590	0.761	0.883	0.947	0.995	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9960.0	0.368	0.592	0.764	0.885	0.948	0.996	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9970.0	0.370	0.595	0.766	0.887	0.949	0.997	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9980.0	0.372	0.597	0.769	0.889	0.950	0.998	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9990.0	0.373	0.600	0.771	0.891	0.952	0.999	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
10000.0	0.375	0.602	0.774	0.893	0.953	1.000	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000

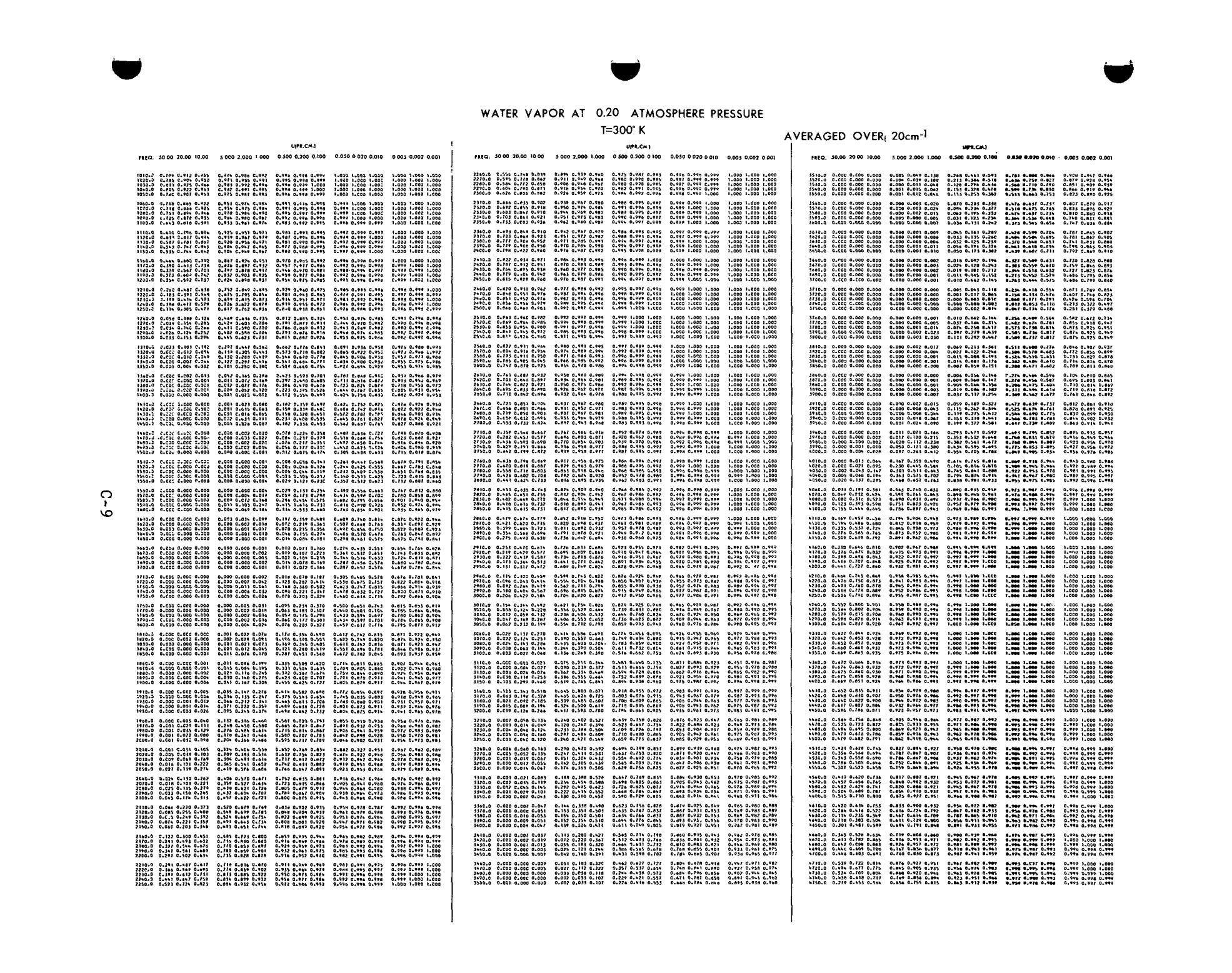
FREQ.	UPR.CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
9760.0	0.295	0.482	0.653	0.797	0.895	0.952	0.981	0.995	0.999	0.999	0.999	1.000	1.000	1.000	1.000
9770.0	0.297	0.485	0.656	0.799	0.896	0.953	0.982	0.995	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9780.0	0.298	0.487	0.659	0.801	0.898	0.954	0.982	0.995	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9790.0	0.300	0.490	0.661	0.803	0.899	0.955	0.983	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9800.0	0.302	0.492	0.664	0.805	0.900	0.956	0.983	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9810.0	0.303	0.495	0.666	0.807	0.901	0.957	0.984	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9820.0	0.305	0.497	0.669	0.809	0.903	0.958	0.984	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9830.0	0.307	0.500	0.671	0.811	0.904	0.959	0.985	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9840.0	0.308	0.502	0.674	0.813	0.905	0.960	0.985	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9850.0	0.310	0.505	0.676	0.815	0.906	0.961	0.985	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9860.0	0.312	0.507	0.679	0.817	0.907	0.962	0.986	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9870.0	0.313	0.510	0.681	0.819	0.909	0.963	0.986	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9880.0	0.315	0.512	0.684	0.821	0.910	0.964	0.986	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9890.0	0.317	0.515	0.686	0.823	0.911	0.965	0.987	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9900.0	0.318	0.517	0.689	0.825	0.912	0.966	0.987	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9910.0	0.320	0.520	0.691	0.827	0.913	0.967	0.987	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9920.0	0.322	0.522	0.694	0.829	0.914	0.968	0.988	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9930.0	0.323	0.525	0.696	0.831	0.916	0.969	0.988	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9940.0	0.325	0.527	0.699	0.833	0.917	0.970	0.988	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9950.0	0.327	0.530	0.701	0.835	0.918	0.971	0.989	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9960.0	0.328	0.532	0.704	0.837	0.919	0.972	0.989	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9970.0	0.330	0.535	0.706	0.839	0.920	0.973	0.989	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9980.0	0.332	0.537	0.709	0.841	0.922	0.974	0.990	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9990.0	0.333	0.540	0.711	0.843	0.923	0.975	0.990	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
10000.0	0.335	0.542	0.714	0.845	0.924	0.976	0.990	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000

FREQ.	UPR.CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
9810.0	0.297	0.483	0.654	0.798	0.894	0.951	0.981	0.995	0.999	0.999	0.999	1.000	1.000	1.000	1.000
9820.0	0.299	0.486	0.657	0.800	0.896	0.952	0.981	0.995	0.999	0.999	0.999	1.000	1.000	1.000	1.000
9830.0	0.300	0.488	0.659	0.802	0.897	0.953	0.982	0.995	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9840.0	0.302	0.491	0.662	0.804	0.898	0.954	0.982	0.995	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9850.0	0.304	0.493	0.664	0.806	0.900	0.955	0.983	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9860.0	0.305	0.496	0.667	0.808	0.901	0.956	0.983	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9870.0	0.307	0.498	0.669	0.810	0.902	0.957	0.984	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9880.0	0.309	0.501	0.672	0.812	0.903	0.958	0.984	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9890.0	0.310	0.503	0.674	0.814	0.905	0.959	0.985	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9900.0	0.312	0.506	0.677	0.816	0.906	0.960	0.985	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9910.0	0.314	0.508	0.679	0.818	0.907	0.961	0.985	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9920.0	0.315	0.511	0.682	0.820	0.908	0.962	0.986	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9930.0	0.317	0.513	0.684	0.822	0.909	0.963	0.986	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9940.0	0.319	0.516	0.687	0.824	0.911	0.964	0.986	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9950.0	0.320	0.518	0.689	0.826	0.912	0.965	0.987	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9960.0	0.322	0.521	0.692	0.828	0.913	0.966	0.987	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9970.0	0.324	0.523	0.694	0.830	0.914	0.967	0.987	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9980.0	0.325	0.526	0.697	0.832	0.915	0.968	0.988	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9990.0	0.327	0.528	0.699	0.834	0.917	0.969	0.988	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
10000.0	0.329	0.531	0.702	0.836	0.918	0.970	0.988	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000

WATER VAPOR AT 0.20 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER(20cm^{-1}



WATER VAPOR AT 0.20 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER 20cm^{-1}

U[P.R.CM.]

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
4760.0	0.329	0.503	0.609	0.694	0.783	0.838	0.881	0.924	0.947	0.965	0.982	0.990	0.996	0.998	0.999
4770.0	0.322	0.496	0.613	0.695	0.776	0.830	0.866	0.920	0.950	0.966	0.980	0.989	0.993	0.998	0.999
4780.0	0.333	0.522	0.636	0.697	0.767	0.816	0.866	0.908	0.937	0.962	0.979	0.988	0.992	0.997	1.000
4790.0	0.365	0.562	0.669	0.705	0.763	0.803	0.862	0.898	0.922	0.962	0.980	0.994	0.997	0.999	1.000
4800.0	0.361	0.570	0.694	0.703	0.766	0.805	0.856	0.894	0.919	0.962	0.980	0.994	0.997	0.999	1.000
4810.0	0.357	0.577	0.719	0.702	0.769	0.807	0.850	0.890	0.916	0.962	0.980	0.994	0.997	0.999	1.000
4820.0	0.355	0.582	0.742	0.701	0.772	0.809	0.845	0.886	0.913	0.962	0.980	0.994	0.997	0.999	1.000
4830.0	0.354	0.587	0.763	0.700	0.774	0.812	0.841	0.883	0.910	0.962	0.980	0.994	0.997	0.999	1.000
4840.0	0.354	0.591	0.781	0.699	0.777	0.815	0.838	0.880	0.907	0.962	0.980	0.994	0.997	0.999	1.000
4850.0	0.354	0.594	0.797	0.699	0.779	0.818	0.835	0.877	0.904	0.962	0.980	0.994	0.997	0.999	1.000
4860.0	0.354	0.597	0.811	0.698	0.781	0.820	0.832	0.874	0.901	0.962	0.980	0.994	0.997	0.999	1.000
4870.0	0.354	0.599	0.823	0.697	0.783	0.822	0.829	0.871	0.898	0.962	0.980	0.994	0.997	0.999	1.000
4880.0	0.354	0.601	0.834	0.697	0.785	0.824	0.827	0.869	0.896	0.962	0.980	0.994	0.997	0.999	1.000
4890.0	0.354	0.602	0.843	0.696	0.787	0.826	0.824	0.866	0.894	0.962	0.980	0.994	0.997	0.999	1.000
4900.0	0.354	0.603	0.851	0.696	0.788	0.828	0.822	0.864	0.892	0.962	0.980	0.994	0.997	0.999	1.000
4910.0	0.373	0.580	0.699	0.788	0.871	0.912	0.941	0.967	0.978	0.986	0.993	0.996	0.998	0.999	1.000
4920.0	0.336	0.538	0.661	0.756	0.848	0.895	0.924	0.956	0.971	0.983	0.991	0.995	0.997	0.999	0.999
4930.0	0.320	0.512	0.643	0.734	0.833	0.889	0.920	0.953	0.970	0.982	0.991	0.995	0.997	0.999	0.999
4940.0	0.322	0.510	0.647	0.734	0.833	0.889	0.921	0.960	0.974	0.984	0.992	0.995	0.997	0.999	1.000
4950.0	0.329	0.516	0.653	0.736	0.836	0.890	0.923	0.959	0.975	0.985	0.992	0.995	0.997	0.999	1.000
4960.0	0.313	0.531	0.664	0.765	0.858	0.903	0.933	0.963	0.977	0.986	0.994	0.996	0.998	0.999	1.000
4970.0	0.312	0.521	0.652	0.752	0.848	0.897	0.932	0.967	0.978	0.988	0.994	0.996	0.998	0.999	1.000
4980.0	0.258	0.468	0.604	0.718	0.825	0.879	0.918	0.952	0.969	0.981	0.990	0.995	0.997	0.999	1.000
4990.0	0.241	0.456	0.601	0.715	0.828	0.884	0.923	0.955	0.972	0.983	0.991	0.995	0.997	0.999	1.000
5000.0	0.193	0.398	0.544	0.665	0.785	0.850	0.896	0.938	0.959	0.974	0.987	0.993	0.996	0.998	0.999
5010.0	0.134	0.312	0.458	0.590	0.729	0.800	0.864	0.920	0.948	0.968	0.982	0.990	0.994	0.998	0.999
5020.0	0.131	0.308	0.469	0.593	0.740	0.812	0.877	0.928	0.953	0.971	0.984	0.991	0.995	0.998	0.999
5030.0	0.158	0.344	0.498	0.610	0.761	0.831	0.889	0.930	0.954	0.965	0.981	0.990	0.994	0.997	0.999
5040.0	0.180	0.374	0.511	0.598	0.742	0.817	0.882	0.922	0.943	0.960	0.978	0.988	0.993	0.997	0.999
5050.0	0.183	0.383	0.524	0.599	0.743	0.818	0.883	0.924	0.945	0.961	0.978	0.988	0.993	0.997	0.999
5060.0	0.185	0.392	0.536	0.600	0.744	0.819	0.884	0.926	0.947	0.962	0.979	0.988	0.993	0.997	0.999
5070.0	0.187	0.400	0.547	0.601	0.745	0.820	0.885	0.928	0.948	0.963	0.979	0.988	0.993	0.997	0.999
5080.0	0.189	0.407	0.557	0.602	0.746	0.821	0.886	0.929	0.950	0.964	0.980	0.989	0.993	0.997	0.999
5090.0	0.191	0.414	0.566	0.603	0.747	0.822	0.887	0.931	0.951	0.965	0.980	0.989	0.993	0.997	0.999
5100.0	0.193	0.420	0.574	0.604	0.748	0.823	0.888	0.932	0.952	0.965	0.980	0.989	0.993	0.997	0.999
5110.0	0.195	0.426	0.582	0.605	0.749	0.824	0.889	0.933	0.953	0.966	0.981	0.989	0.993	0.997	0.999
5120.0	0.197	0.432	0.589	0.606	0.750	0.825	0.890	0.934	0.954	0.967	0.981	0.989	0.993	0.997	0.999
5130.0	0.199	0.437	0.596	0.607	0.751	0.826	0.891	0.935	0.955	0.967	0.981	0.989	0.993	0.997	0.999
5140.0	0.200	0.442	0.602	0.608	0.752	0.827	0.892	0.936	0.956	0.968	0.981	0.989	0.993	0.997	0.999
5150.0	0.202	0.447	0.608	0.609	0.753	0.828	0.893	0.937	0.957	0.968	0.981	0.989	0.993	0.997	0.999
5160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5190.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5200.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5210.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5220.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5230.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5240.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5250.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5260.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5270.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5280.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5290.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5300.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5310.0	0.000	0.000	0.000	0.026	0.112	0.233	0.386	0.579	0.702	0.797	0.886	0.929	0.956	0.977	0.988
5320.0	0.000	0.000	0.000	0.000	0.029	0.089	0.182	0.331	0.448	0.557	0.683	0.761	0.857	0.926	0.970
5330.0	0.000	0.000	0.000	0.000	0.002	0.014	0.046	0.109	0.184	0.249	0.423	0.537	0.697	0.831	0.931
5340.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5350.0	0.000	0.000	0.000	0.000	0.001	0.011	0.037	0.098	0.208	0.330	0.460	0.617	0.714	0.792	0.890
5360.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5370.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5380.0	0.000	0.000	0.000	0.001	0.001	0.004	0.014	0.035	0.052	0.072	0.111	0.146	0.193	0.261	0.361
5390.0	0.000	0.000	0.000	0.002	0.002	0.011	0.026	0.051	0.074	0.107	0.170	0.220	0.294	0.387	0.500
5400.0	0.000	0.000	0.002	0.002	0.002	0.009	0.020	0.040	0.059	0.085	0.135	0.175	0.234	0.308	0.398
5410.0	0.000	0.000	0.000	0.004	0.004	0.009	0.020	0.040	0.059	0.085	0.135	0.175	0.234	0.308	0.398
5420.0	0.000	0.000	0.000	0.001	0.001	0.004	0.009	0.018	0.026	0.038	0.060	0.078	0.104	0.137	0.177
5430.0	0.000	0.000	0.000	0.001	0.001	0.002	0.004	0.008	0.012	0.017	0.027	0.035	0.047	0.062	0.080
5440.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5450.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5460.0	0.000	0.000	0.002	0.014	0.044	0.109	0.214	0.374	0.496	0.594	0.687	0.740	0.797	0.872	0.924
5470.0	0.000	0.000	0.000	0.002	0.015	0.070	0.169	0.342	0.482	0.592	0.693	0.755	0.822	0.895	0.944
5480.0	0.000	0.000	0.000	0.000	0.005	0.031	0.096	0.263	0.421	0.561	0.693	0.763	0.843	0.917	0.959
5490.0	0.000	0.000	0.000	0.000	0.002	0.012	0.048	0.161	0.328	0.502	0.671	0.760	0.862	0.936	0.973
5500.0	0.000	0.000	0.000	0.000	0.000	0.004	0.020	0.080	0.208	0.412	0.618	0.739	0.870	0.950	0.983
5510.0	0.000	0.000	0.000	0.023	0.081	0.214	0.394	0.612	0.744	0.839	0.909	0.941	0.964	0.981	0.990
5520.0	0.000	0.000	0.000	0.011	0.048	0.161	0.349	0.577	0.727	0.831	0.907	0.940	0.964	0.981	0.990
5530.0	0.000	0.000	0.000	0.005	0.022	0.089	0.249	0.502	0.689	0.810	0.901	0.939	0.964	0.981	0.990
5540.0	0.000	0.000	0.000	0.002	0.009	0.041	0.150	0.407	0.630	0.779	0.893	0.937	0.963	0.981	0.990
5550.0	0.000	0.000	0.000	0.001	0.004	0.019	0.085	0.301	0.557	0.737	0.882	0.934	0.962	0.980	0.990
5560.0	0.000	0.000	0.000	0.000	0.002	0.009	0.047	0.210	0.480	0.690	0.867	0.929	0.960	0.980	0.990
5570.0	0.000	0.000	0.000	0.000	0.001	0.004	0.025	0.140	0.403	0.641	0.850	0.923	0.958	0.979	0.989
5580.0	0.000	0.000	0.000	0.000	0.000	0.002	0.013	0.092	0.331	0.590	0.830	0.916	0.955	0.978	0.989
5590.0	0.000	0.000	0.000	0.000	0.000	0.001	0.007	0.060	0.270	0.539	0.808	0.907	0.951	0.976	0.988
5600.0	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.039	0.220	0.488	0.784	0.896	0.946	0.974	0.987
5610.0	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.025	0.178	0.438	0.757	0.883	0.940	0.972	0.986
5620.0	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.016	0.144	0.390	0.727	0.868	0.933	0.969	0.985
5630.0	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.010	0.116	0.346	0.695	0.851	0.925	0.965	0.983
5640.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.093	0.307	0.662	0.832	0.916	0.961	0.981
5650.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.074	0.273	0.628	0.811	0.905	0.955	0.978
5660.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.059	0.243	0.594	0.789	0.893	0.948	0.975
5670.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.047	0.217	0.561	0.766	0.880	0.941	0.972
5680.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.037	0.194	0.529	0.742	0.866	0.933	0.968
5690.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.029	0.173	0.498	0.717	0.851	0.924	0.964
5700.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.154	0.469	0.692	0.835	0.915	0.959
5710.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.138	0.441	0.667	0.819	0.905	0.954
5720.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.123	0.415	0.643	0.803	0.895	0.948
5730.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.110	0.391	0.620	0.787	0.885	0.943
5740.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.098	0.368	0.598	0.771	0.875	0.937
5750.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.087	0.346	0.577	0.755	0.865	0.932
5760.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.078	0.326	0.557	0.739	0.855	0.926
5770.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.069	0.307	0.538	0.723	0.845	0.921
5780.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.062	0.289	0.520	0.707	0.835	0.915
5790.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.055	0.273	0.503	0.691	0.825	0.909
5800.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.049	0.257	0.486	0.676	0.815	0.903
5810.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.043	0.242	0.470	0.661	0.805	0.897
5820.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.038	0.228	0.455	0.646	0.795	0.891
5830.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.033	0.214	0.440	0.632	0.785	0.885
5840.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.029	0.201	0.426	0.618	0.775	0.879
5850.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.025	0.189	0.412	0.604	0.765	0.873
5860.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.022	0.177	0.398	0.590	0.755	0.867
5870.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.166	0.385	0.577	0.745	0.861
5880.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.155	0.372	0.564	0.735	0.855
5890.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.145	0.360	0.551	0.725	0.849
5900.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.135	0.348	0.538	0.715	0.843
5910.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.126	0.336	0.525	0.705	0.837
5920.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.117	0.325	0.512	0.695	0.831
5930.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.108	0.313	0.499	0.685	0.825
5940.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.100	0.302	0.486	0.675	0.819
5950.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.092	0.291	0.473	0.665	0.813
5960.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.084	0.280	0.460	0.655	0.807
5970.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.076	0.269	0.447	0.645	0.801
5980.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.069	0.258	0.434	0.635	0.795
5990.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.062	0.247	0.421	0.625	0.789
6000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.055	0.236	0.408	0.615	0.783

WATER VAPOR AT 0.20 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER 20cm^{-1}

FREQ.	U(PR.CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
8510.0	0.455	0.646	0.715	0.783	0.868	0.909	0.939	0.964	0.977	0.986	0.993	0.996	0.998	0.999	1.000
8520.0	0.475	0.634	0.730	0.805	0.877	0.915	0.943	0.967	0.978	0.988	0.994	0.997	0.999	0.999	1.000
8530.0	0.461	0.709	0.792	0.853	0.909	0.938	0.959	0.974	0.983	0.992	0.996	0.998	0.999	1.000	1.000
8540.0	0.456	0.615	0.713	0.781	0.868	0.909	0.940	0.967	0.981	0.989	0.995	0.998	0.999	1.000	1.000
8550.0	0.407	0.568	0.693	0.760	0.864	0.914	0.929	0.962	0.978	0.988	0.994	0.997	0.998	0.999	1.000
8560.0	0.511	0.668	0.752	0.802	0.871	0.910	0.939	0.966	0.980	0.989	0.995	0.998	0.999	1.000	1.000
8570.0	0.510	0.682	0.765	0.825	0.886	0.921	0.947	0.970	0.982	0.991	0.996	0.998	0.999	0.999	1.000
8580.0	0.521	0.668	0.757	0.822	0.887	0.922	0.944	0.971	0.985	0.992	0.996	0.998	0.999	1.000	1.000
8590.0	0.498	0.644	0.737	0.809	0.879	0.916	0.941	0.969	0.982	0.990	0.996	0.998	0.999	1.000	1.000
8600.0	0.388	0.558	0.669	0.758	0.864	0.909	0.939	0.969	0.983	0.992	0.996	0.998	0.999	1.000	1.000
8610.0	0.459	0.603	0.711	0.784	0.873	0.916	0.944	0.971	0.983	0.991	0.996	0.998	0.999	1.000	1.000
8620.0	0.461	0.593	0.697	0.764	0.851	0.893	0.928	0.962	0.977	0.986	0.994	0.997	0.999	1.000	1.000
8630.0	0.367	0.475	0.595	0.699	0.807	0.867	0.911	0.951	0.970	0.983	0.992	0.996	0.998	0.999	1.000
8640.0	0.346	0.448	0.568	0.677	0.816	0.884	0.924	0.962	0.978	0.989	0.995	0.997	0.999	0.999	1.000
8650.0	0.329	0.516	0.631	0.731	0.850	0.916	0.945	0.973	0.985	0.993	0.996	0.998	0.999	1.000	1.000
8660.0	0.397	0.583	0.629	0.714	0.819	0.876	0.918	0.954	0.972	0.983	0.992	0.996	0.998	0.999	1.000
8670.0	0.331	0.512	0.631	0.726	0.827	0.881	0.920	0.955	0.972	0.983	0.992	0.995	0.998	0.999	0.999
8680.0	0.298	0.468	0.543	0.638	0.758	0.828	0.889	0.935	0.958	0.974	0.987	0.992	0.996	0.998	0.999
8690.0	0.218	0.392	0.526	0.638	0.762	0.837	0.885	0.933	0.957	0.973	0.987	0.992	0.996	0.998	0.999
8700.0	0.252	0.435	0.568	0.673	0.791	0.856	0.900	0.942	0.963	0.977	0.988	0.993	0.996	0.998	0.999
8710.0	0.223	0.409	0.541	0.661	0.788	0.854	0.899	0.939	0.960	0.975	0.987	0.993	0.996	0.998	0.999
8720.0	0.223	0.414	0.553	0.672	0.795	0.855	0.903	0.944	0.965	0.978	0.989	0.994	0.997	0.998	0.999
8730.0	0.211	0.402	0.537	0.656	0.778	0.841	0.894	0.936	0.959	0.972	0.985	0.992	0.996	0.998	0.999
8740.0	0.296	0.473	0.592	0.701	0.822	0.884	0.907	0.948	0.967	0.979	0.988	0.993	0.996	0.998	0.999
8750.0	0.332	0.509	0.628	0.726	0.825	0.878	0.918	0.956	0.970	0.981	0.991	0.995	0.997	0.998	0.999
8760.0	0.316	0.489	0.611	0.713	0.817	0.874	0.915	0.952	0.970	0.981	0.991	0.995	0.997	0.999	0.999
8770.0	0.265	0.434	0.556	0.657	0.781	0.848	0.902	0.942	0.965	0.979	0.989	0.994	0.997	0.998	0.999
8780.0	0.256	0.319	0.457	0.568	0.731	0.813	0.875	0.930	0.957	0.974	0.988	0.993	0.997	0.999	0.999
8790.0	0.251	0.423	0.561	0.658	0.784	0.852	0.902	0.943	0.970	0.983	0.992	0.996	0.998	0.999	0.999
8800.0	0.213	0.371	0.545	0.645	0.401	0.521	0.651	0.752	0.825	0.878	0.929	0.955	0.974	0.988	0.994
8810.0	0.023	0.088	0.169	0.271	0.425	0.561	0.647	0.762	0.829	0.880	0.929	0.955	0.974	0.988	0.994
8820.0	0.060	0.224	0.344	0.492	0.690	0.836	0.881	0.886	0.923	0.950	0.970	0.985	0.994	0.998	0.998
8830.0	0.231	0.462	0.592	0.778	0.884	0.934	0.956	0.980	0.983	0.978	0.990	0.995	0.997	0.999	0.999
8840.0	0.277	0.466	0.587	0.695	0.806	0.864	0.908	0.947	0.967	0.980	0.990	0.995	0.997	0.999	1.000
8850.0	0.281	0.504	0.642	0.748	0.844	0.903	0.938	0.968	0.983	0.978	0.988	0.993	0.996	0.998	0.999
8860.0	0.314	0.493	0.612	0.714	0.816	0.872	0.913	0.949	0.967	0.979	0.989	0.993	0.996	0.998	0.999
8870.0	0.264	0.443	0.570	0.680	0.792	0.854	0.899	0.938	0.958	0.973	0.985	0.991	0.995	0.998	0.999
8880.0	0.171	0.342	0.487	0.612	0.758	0.838	0.875	0.925	0.951	0.968	0.983	0.990	0.994	0.998	0.999
8890.0	0.212	0.408	0.551	0.671	0.791	0.864	0.901	0.942	0.962	0.976	0.987	0.992	0.996	0.998	0.999
8900.0	0.203	0.390	0.529	0.649	0.772	0.842	0.889	0.934	0.958	0.972	0.985	0.991	0.995	0.998	0.999
8910.0	0.150	0.331	0.504	0.628	0.752	0.824	0.878	0.927	0.952	0.970	0.984	0.991	0.995	0.998	0.999
8920.0	0.212	0.391	0.525	0.643	0.764	0.832	0.883	0.931	0.954	0.971	0.985	0.991	0.995	0.998	0.999
8930.0	0.212	0.389	0.523	0.642	0.763	0.832	0.883	0.930	0.955	0.971	0.985	0.991	0.995	0.998	0.999
8940.0	0.161	0.327	0.474	0.595	0.722	0.795	0.849	0.905	0.932	0.949	0.975	0.986	0.993	0.997	0.999
8950.0	0.161	0.328	0.464	0.589	0.723	0.800	0.859	0.915	0.944	0.965	0.983	0.991	0.995	0.998	0.999
8960.0	0.222	0.400	0.533	0.648	0.768	0.835	0.886	0.933	0.956	0.973	0.987	0.993	0.997	0.999	0.999
8970.0	0.200	0.372	0.504	0.621	0.744	0.815	0.872	0.922	0.951	0.973	0.988	0.993	0.997	0.999	0.999
8980.0	0.223	0.398	0.527	0.641	0.762	0.830	0.882	0.931	0.957	0.975	0.989	0.994	0.997	0.999	0.999
8990.0	0.259	0.434	0.568	0.676	0.793	0.858	0.902	0.945	0.972	0.982	0.993	0.996	0.998	0.999	1.000
9000.0	0.267	0.539	0.651	0.742	0.834	0.884	0.922	0.956	0.975	0.986	0.994	0.997	0.999	0.999	1.000
9010.0	0.335	0.507	0.623	0.720	0.819	0.875	0.911	0.946	0.964	0.976	0.986	0.992	0.996	0.998	0.999
9020.0	0.326	0.535	0.643	0.743	0.838	0.890	0.929	0.963	0.978	0.988	0.995	0.997	0.999	1.000	1.000
9030.0	0.286	0.485	0.615	0.716	0.821	0.875	0.916	0.953	0.971	0.984	0.993	0.996	0.998	0.999	1.000
9040.0	0.321	0.529	0.661	0.758	0.852	0.898	0.932	0.963	0.977	0.986	0.994	0.997	0.998	0.999	1.000
9050.0	0.301	0.510	0.647	0.747	0.843	0.894	0.929	0.961	0.977	0.987	0.994	0.997	0.999	0.999	1.000
9060.0	0.344	0.568	0.686	0.853	0.935	0.965	0.963	0.982	0.990	0.994	0.998	0.999	0.999	1.000	1.000
9070.0	0.373	0.635	0.735	0.813	0.887	0.923	0.951	0.975	0.986	0.992	0.997	0.998	0.999	1.000	1.000
9080.0	0.448	0.652	0.752	0.824	0.893	0.927	0.952	0.976	0.986	0.992	0.997	0.998	0.999	1.000	1.000
9090.0	0.366	0.732	0.789	0.854	0.912	0.940	0.962	0.978	0.988	0.992	0.997	0.998	0.999	1.000	1.000
9100.0	0.377	0.720	0.802	0.861	0.918	0.945	0.964	0.980	0.988	0.993	0.997	0.998	0.999	1.000	1.000
9110.0	0.393	0.735	0.814	0.873	0.925	0.951	0.969	0.982	0.989	0.994	0.997	0.998	0.999	1.000	1.000
9120.0	0.416	0.751	0.824	0.879	0.928	0.953	0.970	0.983	0.990	0.994	0.997	0.998	0.999	1.000	1.000
9130.0	0.363	0.691	0.772	0.833	0.898	0.935	0.958	0.980	0.983	0.994	0.998	0.999	1.000	1.000	1.000
9140.0	0.458	0.778	0.844	0.892	0.936	0.958	0.975	0.985	0.990	0.994	0.997	0.998	0.999	1.000	1.000
9150.0	0.462	0.743	0.820	0.876	0.923	0.949	0.967	0.980	0.988	0.992	0.996	0.998	0.999	1.000	1.000
9160.0	0.422	0.755	0.833	0.886	0.932	0.955	0.970	0.983	0.988	0.993	0.997	0.998	0.999	1.000	1.000
9170.0	0.462	0.785	0.852	0.902	0.943	0.963	0.976	0.986	0.991	0.995	0.998	0.999	1.000	1.000	1.000
9180.0	0.509	0.818	0.875	0.916	0.950	0.967	0.978	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000
9190.0	0.537	0.838	0.889	0.925	0.956	0.971	0.981	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000
9200.0	0.516	0.823	0.879	0.917	0.951	0.969	0.978	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000
9210.0	0.511	0.819	0.875	0.915	0.950	0.966	0.978	0.988	0.992	0.996	0.998	0.999	0.999	1.000	1.000
9220.0	0.529	0.831	0.885	0.921	0.955	0.972	0.982	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000
9230.0	0.513	0.818	0.878	0.918	0.953	0.971	0.980	0.989	0.994	0.996	0.999	0.999	1.000	1.000	1.000
9240.0	0.561	0.851	0.900	0.932	0.960	0.973	0.982	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000
9250.0	0.542	0.836	0.894	0.926	0.956	0.972	0.982	0.990	0.994	0.997	0.999	1.000	1.000	1.000	1.000
9260.0	0.596	0.869	0.910	0.939	0.964	0.978	0.986	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
9270.0	0.581	0.863	0.905	0.935	0.962	0.976	0.985	0.991	0.995	0.997	0.999	1.000	1.000	1.000	1.000
9280.0	0.604	0.877	0.915	0.941	0.966	0.978	0.986	0.992	0.995	0.997	0.999	1.000	1.000	1.000	1.000
9290.0	0.632	0.897	0.930	0.951	0.972	0.982	0.989	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000
9300.0	0.643	0.903	0.933	0.954	0.973	0.982	0.988	0.993	0.995	0.998	0.999	1.000	1.000	1.000	1.000
9310.0	0.679	0.927	0.950	0.965	0.980	0.988	0.993	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9320.0	0.677	0.926	0.949	0.965	0.980	0.987	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9330.0	0.695	0.939	0.958	0.967	0.981	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9340.0	0.694	0.939	0.957	0.966	0.979	0.987	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9350.0	0.718	0.951	0.967	0.976	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9360.0	0.715	0.948	0.965	0.977	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9370.0	0.693	0.943	0.960	0.973	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9380.0	0.693	0.943	0.960	0.973	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9390.0	0.647	0.916	0.943	0.964	0.983	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9400.0	0.670	0.930	0.953	0.969	0.984	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9410.0	0.684	0.939	0.959	0.972	0.986	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9420.0	0.711	0.944	0.964	0.976	0.988	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9430.0	0.723	0.956	0.971	0.981	0.991	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9440.0	0.726	0.956	0.971	0.982	0.991	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9450.0	0.702	0.946	0.964	0.974	0.988	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9460.0	0.688	0.930	0.953	0.969	0.984	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9470.0	0.691	0.944	0.964	0.978	0.989	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9480.0	0.723	0.963	0.975	0.978	0.989	0.994	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9490.0	0.701	0.953	0.969	0.977	0.988	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9500.0	0.646	0.928	0.947	0.962	0.982	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9510.0	0.643	0.926	0.948	0.964	0.982	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9520.0	0.665	0.938	0.956	0.969	0.984	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9530.0	0.655	0.931	0.951	0.966	0.982	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9540.0	0.658	0.932	0.952	0.967	0.982	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9550.0	0.691	0.951	0.965	0.977	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9560.0	0.637	0.944	0.967	0.976	0.988	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9570.0	0.647	0.950	0.961	0.969	0.985	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9580.0	0.673	0.956	0.971	0.981	0.991	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9590.0	0.926	0.956	0.971	0.982	0.991	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9600.0	0.702	0.946	0.964	0.974	0.988	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9610.0	0.688	0.930	0.953	0.969	0.984	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9620.0	0.691	0.944	0.964	0.978	0.989	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9630.0	0.723	0.963	0.975	0.978	0.989	0.994	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9640.0	0.701	0.953	0.969	0.977	0.988	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9650.0	0.914	0.936	0.963	0.979	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9660.0	0.897	0.927	0.952	0.969	0.984	0.991	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9670.0	0.781	0.881	0.925	0.958	0.978	0.989	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9680.0	0.754	0.862	0.892	0.929	0.963	0.979	0.988	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000
9690.0	0.750	0.842	0.890	0.927	0.961	0.977	0.987	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000
9700.0	0.777	0.856	0.901	0.931	0.964	0.978	0.987	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9710.0	0.826	0.895	0.923	0.948	0.970	0.980	0.988	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9720.0	0.868	0.907	0.934	0.957	0.975	0.984	0.990	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000
9730.0	0.851	0.895	0.924	0.943	0.967	0.980	0.988	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9740.0	0.731	0.829	0.881	0.929	0.959	0.975	0.985	0.992	0.995	0.998	0.999	0.999	1.000	1.000	1.000
9750.0	0.759	0.841	0.893	0.927	0.957	0.972	0.983	0.992	0.995	0.998	0.999	0.999	1.000	1.000	1.000

FREQ.	U(PR.CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
9760.0	0.801	0.874	0.912	0.940	0.964	0.976	0.985	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000
9770.0	0.806	0.877	0.915	0.942	0.966	0.978	0.986	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
9780.0	0.811	0.881	0.917	0.944	0.967	0.979	0.987	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9790.0	0.762	0.848	0.895	0.929	0.959	0.974	0.984	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000
9800.0	0.722	0.823	0.877	0.917	0.953	0.971	0.983	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
9810.0	0.794	0.874	0.915	0.943	0.965	0.977	0.986	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
9820.0	0.774	0.858	0.902	0.929	0.955	0.969	0.979	0.988	0.994	0.997	0.998	0.999	0.999	1.000	1.000
9830.0	0.716	0.729	0.798	0.852	0.904	0.934	0.956	0.976	0.988	0.992	0.997	0.998	0.999	1.000	1.000
9840.0	0.683	0.776	0.832	0.876	0.920	0.944	0.962	0.978	0.988	0.993	0.997	0.999	0.999	1.000	1.000
9850.0	0.776	0.858	0.901	0.933	0.961	0.975	0.985	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
9860.0	0.604	0.725	0.796	0.852	0.907	0.936	0.957	0.977	0.987	0.993	0.997	0.998	0.999	1.000	1.000
9870.0	0.611	0.729	0.799	0.854	0.907	0.936	0.957	0.976	0.986	0.992	0.996	0.998	0.999	0.999	1.000
9880.0	0.795	0.860	0.919	0.947	0.970	0.981	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000
9890.0	0.780	0.863	0.911	0.941	0.968	0.980	0.988	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000
9900.0	0.747	0.845	0.895	0.929	0.960	0.976	0.986	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
9910.0	0.629	0.747	0.815	0.868	0.917	0.944	0.963	0.982	0.989	0.994	0.997	0.999	0.999	1.000	1.000
9920.0	0.638	0.753	0.819	0.871	0.919	0.945	0.964	0.981	0.989	0.994	0.997	0.999	1.000	1.000	1.000
9930.0	0.739	0.838	0.889	0.925	0.955	0.970	0.981	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000
9940.0	0.754	0.852	0.900	0.936	0.962	0.975	0.984	0.992	0.995	0.998	0.999	1.000	1.000	1.000	1.000
9950.0	0.745	0.844	0.895	0.930	0.959	0.974	0.983	0.992	0.995	0.997	0.999	1.000	1.000	1.000	1.000
9960.0	0.765	0.857	0.903	0.935	0.962	0.976	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
9970.0	0.749	0.845	0.896	0.929	0.958	0.973	0.983	0.992	0.996	0.997	0.999	0.999	1.000	1.000	1.000
9980.0	0.754	0.849	0.899	0.934	0.959	0.974	0.983	0.992	0.996	0.997	0.999	0.999	1.000	1.000	1.000
9990.0	0.665	0.772	0.839	0.888	0.934	0.959	0.974	0.988	0.994	0.997	0.999	0.999	1.000	1.000	1.000

WATER VAPOR 0.10 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER 20cm^{-1}

WATER VAPOR AT 0.10 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER $20cm^{-1}$

WATER VAPOR AT 0.10 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER 20cm[-1]

U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
8510.0	0.568	0.655	0.765	0.845	0.902	0.932	0.954	0.971	0.982	0.989	0.994	0.996	0.998	0.999	1.000
8520.0	0.586	0.714	0.796	0.854	0.908	0.936	0.956	0.974	0.983	0.990	0.995	0.997	0.999	0.999	1.000
8530.0	0.664	0.762	0.845	0.891	0.933	0.953	0.968	0.982	0.988	0.993	0.997	0.998	0.999	1.000	1.000
8540.0	0.567	0.713	0.782	0.843	0.901	0.931	0.953	0.973	0.983	0.990	0.996	0.998	0.999	1.000	1.000
8550.0	0.519	0.663	0.754	0.819	0.885	0.920	0.945	0.969	0.981	0.989	0.995	0.997	0.999	0.999	1.000
8560.0	0.635	0.724	0.795	0.851	0.904	0.933	0.953	0.973	0.983	0.990	0.995	0.998	0.999	1.000	1.000
8570.0	0.635	0.754	0.816	0.867	0.915	0.940	0.959	0.976	0.986	0.992	0.996	0.998	0.999	1.000	1.000
8580.0	0.619	0.741	0.811	0.865	0.915	0.941	0.960	0.977	0.986	0.992	0.996	0.998	0.999	1.000	1.000
8590.0	0.598	0.724	0.798	0.855	0.909	0.937	0.957	0.975	0.984	0.991	0.996	0.998	0.999	1.000	1.000
8600.0	0.590	0.653	0.745	0.816	0.884	0.919	0.945	0.969	0.980	0.989	0.995	0.997	0.999	1.000	1.000
8610.0	0.549	0.694	0.778	0.843	0.903	0.934	0.956	0.975	0.985	0.992	0.996	0.998	0.999	1.000	1.000
8620.0	0.522	0.664	0.750	0.819	0.885	0.921	0.947	0.969	0.980	0.988	0.994	0.997	0.998	1.000	1.000
8630.0	0.425	0.563	0.686	0.770	0.853	0.898	0.931	0.960	0.975	0.985	0.993	0.996	0.998	0.999	1.000
8640.0	0.465	0.625	0.723	0.801	0.875	0.914	0.943	0.968	0.981	0.989	0.995	0.997	0.999	0.999	1.000
8650.0	0.458	0.621	0.720	0.798	0.872	0.912	0.941	0.966	0.979	0.987	0.993	0.996	0.998	0.999	1.000
8660.0	0.428	0.597	0.701	0.784	0.864	0.906	0.936	0.964	0.977	0.985	0.993	0.996	0.998	0.999	0.999
8670.0	0.459	0.619	0.717	0.795	0.869	0.909	0.938	0.964	0.977	0.986	0.993	0.996	0.998	0.999	0.999
8680.0	0.368	0.554	0.665	0.736	0.828	0.878	0.916	0.950	0.967	0.979	0.989	0.993	0.996	0.998	0.999
8690.0	0.341	0.514	0.629	0.725	0.821	0.874	0.913	0.948	0.966	0.978	0.989	0.993	0.996	0.998	0.999
8700.0	0.383	0.557	0.660	0.757	0.844	0.890	0.924	0.955	0.971	0.981	0.990	0.994	0.997	0.999	0.999
8710.0	0.354	0.534	0.651	0.744	0.836	0.885	0.921	0.953	0.969	0.980	0.989	0.993	0.996	0.998	0.999
8720.0	0.356	0.534	0.656	0.750	0.842	0.891	0.926	0.956	0.972	0.982	0.990	0.994	0.997	0.999	0.999
8730.0	0.343	0.521	0.637	0.736	0.831	0.882	0.919	0.951	0.967	0.978	0.988	0.992	0.996	0.998	0.999
8740.0	0.418	0.583	0.687	0.772	0.854	0.898	0.930	0.958	0.972	0.981	0.989	0.993	0.576	0.998	0.999
8750.0	0.455	0.614	0.712	0.790	0.866	0.907	0.937	0.964	0.976	0.985	0.992	0.995	0.997	0.999	0.999
8760.0	0.433	0.594	0.696	0.779	0.859	0.902	0.934	0.962	0.976	0.985	0.992	0.995	0.997	0.999	0.999
8770.0	0.367	0.554	0.652	0.746	0.838	0.889	0.926	0.959	0.974	0.984	0.992	0.996	0.997	0.999	1.000
8780.0	0.265	0.441	0.568	0.678	0.792	0.855	0.902	0.944	0.964	0.978	0.989	0.994	0.997	0.999	0.999
8790.0	0.122	0.272	0.403	0.532	0.678	0.765	0.832	0.896	0.929	0.954	0.975	0.985	0.991	0.996	0.998
8800.0	0.051	0.139	0.237	0.353	0.512	0.621	0.715	0.811	0.866	0.906	0.944	0.963	0.977	0.989	0.994
8810.0	0.088	0.185	0.288	0.380	0.533	0.638	0.728	0.820	0.871	0.910	0.945	0.964	0.977	0.989	0.994
8820.0	0.171	0.358	0.471	0.593	0.725	0.801	0.858	0.912	0.940	0.961	0.978	0.987	0.992	0.997	0.998
8830.0	0.356	0.524	0.645	0.740	0.833	0.883	0.919	0.952	0.969	0.981	0.991	0.995	0.997	0.999	0.999
8840.0	0.406	0.573	0.681	0.767	0.852	0.897	0.929	0.958	0.973	0.983	0.992	0.995	0.997	0.999	1.000
8850.0	0.413	0.577	0.683	0.768	0.851	0.897	0.929	0.958	0.973	0.982	0.990	0.994	0.997	0.998	0.999
8860.0	0.436	0.578	0.699	0.779	0.859	0.902	0.933	0.961	0.974	0.983	0.991	0.994	0.997	0.999	0.999
8870.0	0.390	0.557	0.666	0.755	0.843	0.890	0.924	0.954	0.969	0.979	0.988	0.991	0.996	0.998	0.999
8880.0	0.296	0.477	0.601	0.704	0.808	0.865	0.906	0.943	0.962	0.975	0.986	0.991	0.995	0.998	0.999
8890.0	0.350	0.534	0.659	0.754	0.844	0.892	0.925	0.956	0.971	0.981	0.989	0.993	0.996	0.998	0.999
8900.0	0.334	0.517	0.637	0.734	0.829	0.880	0.917	0.950	0.967	0.976	0.988	0.993	0.996	0.996	0.999
8910.0	0.317	0.494	0.613	0.712	0.813	0.867	0.908	0.945	0.963	0.976	0.987	0.992	0.996	0.998	0.999
8920.0	0.337	0.513	0.631	0.728	0.821	0.875	0.913	0.947	0.965	0.977	0.987	0.792	0.996	0.998	0.999
8930.0	0.336	0.512	0.630	0.727	0.823	0.875	0.912	0.947	0.965	0.977	0.988	0.991	0.996	0.998	0.999
8940.0	0.335	0.463	0.604	0.705	0.806	0.862	0.903	0.940	0.960	0.975	0.987	0.993	0.996	0.998	0.999
8950.0	0.276	0.433	0.578	0.685	0.792	0.851	0.895	0.935	0.957	0.972	0.985	0.992	0.996	0.998	0.999
8960.0	0.345	0.520	0.636	0.731	0.826	0.877	0.915	0.949	0.966	0.978	0.989	0.993	0.997	0.999	0.999
8970.0	0.315	0.491	0.611	0.711	0.812	0.866	0.907	0.944	0.963	0.977	0.989	0.994	0.997	0.999	0.999
8980.0	0.343	0.515	0.610	0.726	0.821	0.873	0.911	0.946	0.965	0.978	0.990	0.994	0.997	0.999	0.999
8990.0	0.450	0.637	0.732	0.836	0.876	0.913	0.948	0.954	0.977	0.986	0.994	0.997	0.998	0.999	1.000
9000.0	0.456	0.644	0.733	0.806	0.876	0.913	0.940	0.965	0.979	0.987	0.994	0.997	0.999	0.999	1.000
9010.0	0.451	0.609	0.706	0.787	0.863	0.906	0.935	0.963	0.977	0.987	0.994	0.997	0.999	1.000	1.000
9020.0	0.475	0.631	0.727	0.803	0.876	0.915	0.943	0.969	0.981	0.989	0.995	0.997	0.999	1.000	1.000
9030.0	0.524	0.676	0.766	0.835	0.899	0.932	0.956	0.977	0.987	0.993	0.997	0.998	0.999	1.000	1.000
9040.0	0.439	0.601	0.703	0.784	0.863	0.906	0.937	0.965	0.978	0.987	0.994	0.997	0.998	0.999	1.000
9050.0	0.506	0.647	0.738	0.810	0.880	0.918	0.945	0.968	0.980	0.988	0.995	0.997	0.999	1.000	1.000
9060.0	0.647	0.769	0.837	0.887	0.933	0.957	0.972	0.985	0.991	0.995	0.998	0.999	1.000	1.000	1.000
9070.0	0.581	0.718	0.797	0.858	0.913	0.942	0.962	0.979	0.987	0.993	0.997	0.998	0.999	1.000	1.000
9080.0	0.595	0.735	0.808	0.866	0.918	0.945	0.963	0.979	0.987	0.993	0.997	0.998	0.999	1.000	1.000
9090.0	0.657	0.777	0.843	0.871	0.933	0.955	0.969	0.982	0.989	0.993	0.997	0.998	0.999	1.000	1.000
9100.0	0.664	0.782	0.847	0.895	0.937	0.958	0.972	0.984	0.990	0.994	0.997	0.998	0.999	1.000	1.000
9110.0	0.677	0.793	0.856	0.902	0.943	0.962	0.975	0.986	0.991	0.995	0.997	0.999	0.999	1.000	1.000
9120.0	0.725	0.827	0.881	0.914	0.952	0.968	0.979	0.989	0.993	0.996	0.998	0.999	1.000	1.000	1.000
9130.0	0.772	0.859	0.903	0.934	0.961	0.974	0.982	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000
9140.0	0.737	0.833	0.884	0.917	0.951	0.967	0.978	0.987	0.992	0.995	0.997	0.999	0.999	1.000	1.000
9150.0	0.693	0.805	0.864	0.907	0.944	0.962	0.975	0.985	0.990	0.994	0.997	0.998	0.999	1.000	1.000
9160.0	0.739	0.838	0.873	0.914	0.949	0.966	0.977	0.987	0.991	0.994	0.997	0.999	0.999	1.000	1.000
9170.0	0.741	0.837	0.888	0.924	0.955	0.970	0.980	0.989	0.993	0.995	0.998	0.999	0.999	1.000	1.000
9180.0	0.778	0.862	0.905	0.936	0.962	0.975	0.983	0.991	0.994	0.996	0.998	0.999	1.000	1.000	1.000
9190.0	0.802	0.879	0.917	0.944	0.967	0.978	0.985	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000
9200.0	0.785	0.867	0.909	0.938	0.963	0.975	0.984	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000
9210.0	0.781	0.864	0.906	0.936	0.962	0.975	0.983	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000
9220.0	0.794	0.873	0.913	0.942	0.966	0.978	0.986	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
9230.0	0.781	0.865	0.908	0.938	0.964	0.976	0.984	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000
9240.0	0.823	0.896	0.925	0.950	0.970	0.980	0.986	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
9250.0	0.842	0.905	0.936	0.957	0.974	0.983	0.989	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000
9260.0	0.840	0.902	0.933	0.955	0.973	0.982	0.988	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
9270.0	0.816	0.898	0.930	0.952	0.971	0.981	0.987	0.993	0.995	0.998	0.999	1.000	1.000	1.000	1.000
9280.0	0.855	0.908	0.937	0.956	0.973	0.982	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
9290.0	0.874	0.923	0.948	0.965	0.979	0.986	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9300.0	0.882	0.928	0.950	0.966	0.979	0.986	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9310.0	0.909	0.945	0.963	0.975	0.985	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9320.0	0.909	0.944	0.962	0.974	0.984	0.990	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9330.0	0.916	0.947	0.963	0.975	0.985	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9340.0	0.913	0.944	0.961	0.973	0.984	0.990	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9350.0	0.939	0.963	0.975	0.983	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9360.0	0.936	0.961	0.974	0.982	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9370.0	0.961	0.977	0.984	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9380.0	0.951	0.972	0.981	0.987	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9390.0	0.956	0.975	0.983	0.989	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9400.0	0.953	0.974	0.981	0.987	0.995	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9410.0	0.973	0.984	0.989	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9420.0	0.968	0.982	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9430.0	0.981	0.976	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9440.0	0.980	0.989	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9450.0	0.978	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9460.0	0.978	0.987	0.992	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9470.0	0.973	0.985	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9480.0	0.971	0.984	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9490.0	0.980	0.989	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9500.0	0.969	0.982	0.989	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9510.0	0.974	0.986	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9520.0	0.973	0.985	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9530.0	0.965	0.980	0.987	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9540.0	0.966	0.982	0.988	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9550.0	0.955	0.974	0.982	0.989	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9560.0	0.953	0.972	0.982	0.988	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9570.0	0.962	0.977	0.985	0.990	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9580.0	0.942	0.965	0.977	0.985	0.992	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9590.0	0.944	0.967	0.978	0.985	0.992	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9600.0	0.927	0.955	0.969	0.980	0.989	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9610.0	0.917	0.948	0.965	0.976	0.987	0.992	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9620.0	0.934	0.965	0.973	0.982	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9630.0	0.936	0.964	0.973	0.983	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9640.0	0.931	0.958	0.972	0.982	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9650.0	0.935	0.967	0.975	0.984	0.991	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9660.0	0.907	0.944	0.963	0.976	0.987	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9670.0	0.854	0.899	0.927	0.951	0.973	0.984	0.991	0.996	0.996	0.999	1.000	1.000	1.000	1.000	1.000
9680.0	0.811	0.881	0.917	0.944	0.969	0.981	0.989	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000
9690.0	0.814	0.879	0.916	0.943	0.968	0.980	0.988	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000
9700.0	0.831	0.892	0.925	0.948	0.971	0.982	0.989	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000
9710.0	0.871	0.918	0.941	0.960	0.976	0.985	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9720.0	0.888	0.931	0.951	0.968	0.981	0.987	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9730.0	0.850	0.907	0.936	0.956	0.975	0.983	0.990	0.995	0.997	0.998	1.000	1.000	1.000	1.000	1.000
9740.0	0.797	0.871	0.911	0.939	0.964	0.977	0.986	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
9750.0	0.820	0.886	0.921	0.945	0.967	0.978	0.986	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000

U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
9760.0	0.853	0.908	0.936	0.956	0.973	0.982	0.988	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
9770.0	0.856	0.909	0.937	0.957	0.974	0.983	0.989	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9780.0	0.860	0.911	0.939	0.958	0.975	0.983	0.989	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9790.0	0.820	0.886	0.921	0.946	0.968	0.979	0.987	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
9800.0	0.790	0.867	0.908	0.937	0.963	0.976	0.985	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
9810.0	0.847	0.906	0.936	0.956	0.975	0.985	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9820.0	0.784	0.860	0.901	0.910	0.958	0.972	0.982	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000
9830.0	0.691	0.765	0.845	0.888	0.929	0.950	0.966	0.980	0.988	0.993	0.997	0.998	0.999	1.000	1.000
9840.0	0.745	0.824	0.871	0.906	0.940	0.958	0.971	0.983	0.989	0.994	0.997	0.999	0.999	1.000	1.000
9850.0	0.827	0.891	0.925	0.948	0.970	0.980	0.987	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000
9860.0	0.687	0.788	0.845	0.889	0.930	0.951	0.967	0.981	0.988	0.993	0.997	0.998	0.999	1.000	1.000
9870.0	0.690	0.791	0.848	0.891	0.931	0.952	0.967	0.981	0.988	0.993	0.997	0.998	0.999	1.000	1.000
9880.0	0.846	0.908	0.939	0.959	0.977	0.985	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000
9890.0	0.831	0.898	0.932	0.954	0.974	0.984	0.990	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000
9900.0	0.804	0.883	0.921	0.946	0.969	0.980	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
9910.0	0.706	0.804	0.859	0.900	0.938	0.957	0.971	0.984	0.990	0.994	0.998	0.999	0.999	1.000	1.000
9920.0	0.714	0.809	0.862	0.902	0.939	0.958	0.972	0.984	0.990	0.994	0.998	0.999	1.000	1.000	1.000
9930.0	0.800	0.877	0.916	0.943	0.966	0.977	0.985	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
9940.0	0.813	0.887	0.924	0.949	0.971	0.981	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
9950.0	0.804	0.881	0.920	0.946	0.969	0.980	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
9960.0	0.818	0.891	0.926	0.951	0.971	0.981	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
9970.0	0.808	0.882	0.920	0.946	0.968	0.979	0.987	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
9980.0	0.734	0.829	0.880	0.917	0.950	0.967	0.979	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000
9990.0	0.724	0.826	0.878	0.915	0.949	0.966	0.979	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000

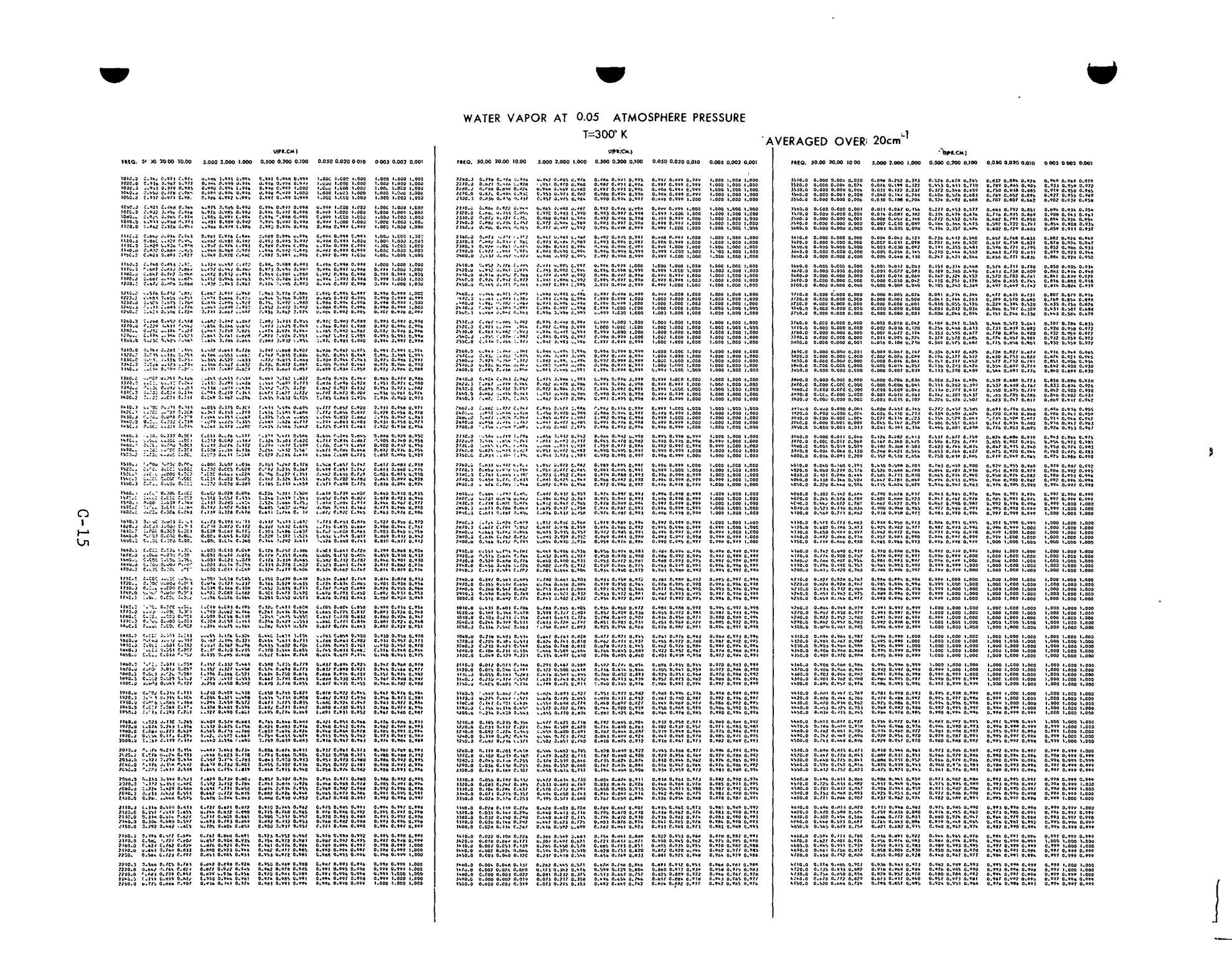
U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001

WATER VAPOR AT 0.05 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER 20cm^{-1}



WATER VAPOR AT 0.05 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER 1 $20cm^{-1}$

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
							UNITS CM.]								
4760.0	0.569	0.688	0.757	0.815	0.875	0.908	0.934	0.958	0.970	0.980	0.988	0.992	0.995	0.998	0.999
4770.0	0.572	0.694	0.767	0.827	0.882	0.915	0.940	0.962	0.974	0.984	0.991	0.995	0.997	0.999	1.000
4780.0	0.576	0.700	0.777	0.839	0.889	0.922	0.945	0.965	0.977	0.987	0.993	0.996	0.998	0.999	1.000
4790.0	0.580	0.707	0.787	0.851	0.897	0.929	0.950	0.969	0.980	0.990	0.995	0.997	0.999	1.000	1.000
4800.0	0.584	0.714	0.797	0.863	0.905	0.936	0.955	0.973	0.983	0.992	0.996	0.998	0.999	1.000	1.000
4810.0	0.588	0.722	0.808	0.875	0.913	0.942	0.960	0.976	0.986	0.993	0.997	0.999	0.999	1.000	1.000
4820.0	0.593	0.730	0.819	0.887	0.921	0.948	0.965	0.979	0.988	0.995	0.998	0.999	1.000	1.000	1.000
4830.0	0.598	0.738	0.830	0.899	0.929	0.954	0.969	0.982	0.990	0.996	0.998	0.999	1.000	1.000	1.000
4840.0	0.603	0.747	0.842	0.911	0.937	0.959	0.973	0.984	0.992	0.997	0.999	1.000	1.000	1.000	1.000
4850.0	0.609	0.756	0.854	0.923	0.944	0.964	0.976	0.987	0.993	0.997	0.999	1.000	1.000	1.000	1.000
4860.0	0.615	0.765	0.866	0.934	0.950	0.968	0.979	0.989	0.995	0.998	0.999	1.000	1.000	1.000	1.000
4870.0	0.621	0.774	0.878	0.944	0.956	0.972	0.982	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000
4880.0	0.628	0.784	0.890	0.953	0.962	0.976	0.985	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000
4890.0	0.635	0.794	0.902	0.962	0.968	0.979	0.987	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000
4900.0	0.642	0.804	0.914	0.970	0.973	0.983	0.990	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000
4910.0	0.644	0.767	0.835	0.886	0.928	0.950	0.966	0.980	0.987	0.992	0.995	0.997	0.998	0.999	1.000
4920.0	0.650	0.776	0.847	0.896	0.934	0.956	0.970	0.982	0.989	0.993	0.996	0.998	0.999	0.999	1.000
4930.0	0.656	0.786	0.859	0.906	0.941	0.962	0.974	0.985	0.991	0.995	0.997	0.999	0.999	1.000	1.000
4940.0	0.664	0.796	0.871	0.916	0.948	0.967	0.978	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000
4950.0	0.672	0.807	0.883	0.926	0.955	0.972	0.982	0.990	0.995	0.997	0.999	0.999	1.000	1.000	1.000
4960.0	0.595	0.734	0.811	0.868	0.919	0.945	0.963	0.978	0.986	0.991	0.995	0.997	0.998	0.999	1.000
4970.0	0.586	0.726	0.802	0.859	0.912	0.940	0.959	0.975	0.984	0.990	0.994	0.997	0.998	0.999	1.000
4980.0	0.578	0.718	0.793	0.850	0.905	0.934	0.955	0.972	0.982	0.988	0.993	0.996	0.998	0.999	1.000
4990.0	0.569	0.710	0.784	0.841	0.898	0.929	0.951	0.969	0.980	0.987	0.992	0.996	0.998	0.999	1.000
5000.0	0.561	0.702	0.775	0.832	0.891	0.923	0.947	0.966	0.978	0.985	0.991	0.995	0.997	0.999	1.000
5010.0	0.394	0.564	0.676	0.767	0.847	0.892	0.925	0.955	0.970	0.980	0.988	0.993	0.996	0.998	0.999
5020.0	0.386	0.555	0.667	0.758	0.838	0.884	0.919	0.950	0.966	0.977	0.986	0.992	0.995	0.998	0.999
5030.0	0.378	0.546	0.658	0.749	0.829	0.876	0.913	0.945	0.963	0.974	0.984	0.990	0.994	0.997	0.999
5040.0	0.369	0.537	0.649	0.740	0.820	0.868	0.907	0.940	0.959	0.971	0.981	0.988	0.993	0.997	0.999
5050.0	0.361	0.528	0.640	0.731	0.811	0.860	0.901	0.935	0.955	0.968	0.979	0.986	0.992	0.996	0.998
5060.0	0.319	0.504	0.625	0.722	0.818	0.870	0.909	0.943	0.961	0.973	0.983	0.989	0.994	0.997	0.999
5070.0	0.310	0.495	0.616	0.713	0.809	0.861	0.902	0.938	0.957	0.970	0.981	0.988	0.993	0.997	0.999
5080.0	0.301	0.485	0.606	0.703	0.800	0.852	0.895	0.932	0.953	0.967	0.978	0.986	0.992	0.996	0.998
5090.0	0.292	0.476	0.597	0.694	0.791	0.843	0.888	0.926	0.949	0.964	0.976	0.984	0.991	0.995	0.998
5100.0	0.195	0.393	0.503	0.622	0.788	0.823	0.867	0.926	0.954	0.972	0.984	0.991	0.995	0.998	0.999
5110.0	0.185	0.383	0.493	0.612	0.778	0.813	0.858	0.917	0.946	0.965	0.978	0.987	0.993	0.997	0.999
5120.0	0.175	0.372	0.482	0.601	0.767	0.803	0.848	0.908	0.938	0.958	0.973	0.983	0.991	0.996	0.998
5130.0	0.165	0.361	0.471	0.590	0.756	0.792	0.838	0.899	0.930	0.951	0.967	0.979	0.988	0.994	0.997
5140.0	0.154	0.350	0.460	0.579	0.745	0.782	0.828	0.889	0.922	0.944	0.961	0.974	0.985	0.992	0.996
5150.0	0.144	0.339	0.449	0.568	0.734	0.771	0.818	0.880	0.914	0.937	0.955	0.969	0.981	0.989	0.995
5160.0	0.111	0.301	0.414	0.541	0.707	0.746	0.795	0.862	0.900	0.926	0.946	0.961	0.975	0.985	0.992
5170.0	0.101	0.290	0.403	0.530	0.696	0.735	0.785	0.853	0.892	0.919	0.940	0.956	0.971	0.982	0.990
5180.0	0.091	0.279	0.392	0.519	0.685	0.724	0.775	0.844	0.884	0.912	0.934	0.951	0.967	0.979	0.987
5190.0	0.081	0.268	0.381	0.508	0.674	0.713	0.765	0.835	0.876	0.905	0.928	0.946	0.963	0.976	0.985
5200.0	0.072	0.258	0.370	0.497	0.663	0.703	0.755	0.826	0.868	0.898	0.922	0.941	0.958	0.973	0.983
5210.0	0.050	0.213	0.320	0.434	0.602	0.646	0.710	0.793	0.843	0.880	0.907	0.929	0.948	0.966	0.978
5220.0	0.041	0.204	0.311	0.425	0.591	0.636	0.701	0.784	0.835	0.873	0.901	0.923	0.943	0.962	0.975
5230.0	0.032	0.195	0.302	0.416	0.581	0.626	0.692	0.776	0.828	0.866	0.895	0.918	0.938	0.958	0.972
5240.0	0.024	0.186	0.293	0.407	0.571	0.616	0.683	0.768	0.821	0.860	0.889	0.913	0.934	0.954	0.969
5250.0	0.016	0.177	0.284	0.398	0.561	0.606	0.674	0.760	0.814	0.853	0.883	0.908	0.929	0.950	0.966
5260.0	0.000	0.000	0.044	0.124	0.289	0.430	0.561	0.704	0.785	0.847	0.903	0.933	0.953	0.971	0.980
5270.0	0.000	0.000	0.035	0.115	0.279	0.421	0.552	0.696	0.778	0.841	0.897	0.928	0.949	0.968	0.978
5280.0	0.000	0.000	0.026	0.106	0.270	0.412	0.543	0.688	0.771	0.835	0.892	0.923	0.945	0.965	0.976
5290.0	0.000	0.000	0.017	0.097	0.260	0.403	0.534	0.680	0.764	0.829	0.886	0.918	0.941	0.962	0.974
5300.0	0.000	0.000	0.009	0.088	0.251	0.394	0.525	0.672	0.757	0.823	0.881	0.913	0.937	0.959	0.972
5310.0	0.000	0.000	0.000	0.079	0.242	0.385	0.516	0.664	0.750	0.817	0.875	0.908	0.933	0.956	0.970
5320.0	0.000	0.000	0.000	0.070	0.233	0.376	0.507	0.656	0.743	0.811	0.870	0.903	0.929	0.953	0.968
5330.0	0.000	0.000	0.000	0.061	0.224	0.367	0.498	0.648	0.736	0.805	0.864	0.898	0.925	0.950	0.966
5340.0	0.000	0.000	0.000	0.052	0.215	0.358	0.489	0.640	0.729	0.799	0.859	0.893	0.921	0.947	0.964
5350.0	0.000	0.000	0.000	0.043	0.206	0.349	0.480	0.632	0.722	0.793	0.853	0.888	0.917	0.944	0.962
5360.0	0.000	0.000	0.000	0.034	0.197	0.340	0.471	0.624	0.715	0.787	0.848	0.883	0.913	0.941	0.960
5370.0	0.000	0.000	0.000	0.025	0.188	0.331	0.462	0.616	0.708	0.781	0.842	0.878	0.909	0.938	0.958
5380.0	0.000	0.000	0.000	0.016	0.179	0.322	0.453	0.608	0.701	0.775	0.837	0.873	0.905	0.935	0.956
5390.0	0.000	0.000	0.000	0.007	0.170	0.313	0.444	0.600	0.694	0.769	0.831	0.868	0.901	0.932	0.954
5400.0	0.000	0.000	0.000	0.000	0.161	0.304	0.435	0.592	0.687	0.763	0.826	0.863	0.897	0.929	0.952
5410.0	0.000	0.000	0.000	0.000	0.152	0.295	0.426	0.584	0.680	0.757	0.820	0.858	0.893	0.926	0.950
5420.0	0.000	0.000	0.000	0.000	0.143	0.286	0.417	0.576	0.673	0.751	0.815	0.853	0.889	0.923	0.948
5430.0	0.000	0.000	0.000	0.000	0.134	0.277	0.408	0.568	0.666	0.745	0.809	0.848	0.885	0.920	0.946
5440.0	0.000	0.000	0.000	0.000	0.125	0.268	0.399	0.560	0.659	0.739	0.804	0.843	0.881	0.917	0.944
5450.0	0.000	0.000	0.000	0.000	0.116	0.259	0.390	0.552	0.652	0.733	0.798	0.838	0.877	0.914	0.942
5460.0	0.000	0.000	0.000	0.000	0.107	0.250	0.381	0.544	0.645	0.727	0.793	0.833	0.873	0.911	0.940
5470.0	0.000	0.000	0.000	0.000	0.098	0.241	0.372	0.536	0.638	0.721	0.787	0.828	0.869	0.908	0.938
5480.0	0.000	0.000	0.000	0.000	0.089	0.232	0.363	0.528	0.631	0.715	0.782	0.823	0.865	0.905	0.936
5490.0	0.000	0.000	0.000	0.000	0.080	0.223	0.354	0.520	0.624	0.709	0.776	0.818	0.861	0.902	0.934
5500.0	0.000	0.000	0.000	0.000	0.071	0.214	0.345	0.512	0.617	0.703	0.771	0.813	0.857	0.899	0.932
5510.0	0.000	0.000	0.000	0.000	0.062	0.205	0.336	0.504	0.610	0.697	0.765	0.808	0.853	0.896	0.930
5520.0	0.000	0.000	0.000	0.000	0.053	0.196	0.327	0.496	0.603	0.691	0.760	0.803	0.849	0.893	0.928
5530.0	0.000	0.000	0.000	0.000	0.044	0.187	0.318	0.488	0.596	0.685	0.754	0.798	0.845	0.890	0.926
5540.0	0.000	0.000	0.000	0.000	0.035	0.178	0.309	0.480	0.589	0.679	0.748	0.793	0.841	0.887	0.924
5550.0	0.000	0.000	0.000	0.000	0.026	0.169	0.300	0.472	0.582	0.673	0.743	0.788	0.837	0.884	0.922
5560.0	0.000	0.000	0.000	0.000	0.017	0.160	0.291	0.464	0.575	0.667	0.737	0.783	0.833	0.881	0.920
5570.0	0.000	0.000	0.000	0.000	0.008	0.151	0.282	0.456	0.568	0.661	0.731	0.778	0.829	0.878	0.918
5580.0	0.000	0.000	0.000	0.000	0.000	0.142	0.273	0.448	0.561	0.655	0.726	0.773	0.825	0.875	0.916
5590.0	0.000	0.000	0.000	0.000	0.000	0.133	0.264	0.440	0.554	0.649	0.720	0.768	0.821	0.872	0.914
5600.0	0.000	0.000	0.000	0.000	0.000	0.124	0.255	0.432	0.547	0.643	0.714	0.763	0.817	0.869	0.912
5610.0	0.000	0.000	0.000	0.000	0.000	0.115	0.246	0.424	0.540	0.637	0.708	0.758	0.813	0.866	0.910
5620.0	0.000	0.000	0.000	0.000	0.000	0.106	0.237	0.416	0.533	0.631	0.702	0.753	0.809	0.863	0.908
5630.0	0.000	0.000	0.000	0.000	0.000	0.097	0.228	0.408	0.526	0.625	0.696	0.748	0.805	0.860	0.906
5640.0	0.000	0.000	0.000	0.000	0.000	0.088	0.219	0.400	0.519	0.619	0.690	0.743	0.801	0.857	0.904
5650.0	0.000	0.000	0.000	0.000	0.000	0.079	0.210	0.392	0.512	0.613	0.684	0.738	0.797	0.854	0.902
5660.0	0.000	0.000	0.000	0.000	0.000	0.070	0.201	0.384	0.505	0.607	0.678	0.733	0.793	0.851	0.900
5670.0	0.000	0.000	0.000	0.000	0.000	0.061	0.192	0.376	0.498	0.601	0.672	0.728	0.789	0.848	0.898
5680.0	0.000	0.000	0.000	0.000	0.000	0.052	0.183	0.368	0.491	0.595	0.666	0.723	0.785	0.845	0.896
5690.0	0.000	0.000	0.000	0.000	0.000	0.043	0.174	0.360	0.484	0.589	0.660	0.718	0.781	0.842	0.894
5700.0	0.000	0.000	0.000	0.000	0.000	0.034	0.165	0.352	0.477	0.583	0.654	0.713	0.777	0.839	0.892
5710.0	0.000	0.000	0.000	0.000	0.000	0.025	0.156	0.344	0.470	0.577	0.649	0.708	0.773	0.836	0.890
5720.0	0.000	0.000	0.000	0.000	0.000	0.016	0.147	0.336	0.463	0.571	0.643	0.703	0.769	0.833	0.888
5730.0	0.000	0.000	0.000	0.000	0.000	0.007	0.138	0.328	0.456	0.565	0.637	0.698	0.765	0.830	0.886
5740.0	0.000	0.000	0.000	0.000	0.000	0.000	0.129	0.320	0.449	0.559	0.631	0.693	0.761	0.827	0.884
5750.0	0.000	0.000	0.000	0.000	0.000	0.000	0.120	0.312	0.442	0.553	0.625	0.688	0.757	0.824	0.882
5760.0	0.000	0.000	0.000	0.000	0.000	0.000	0.111	0.304	0.435	0.547	0.619	0.683	0.753	0.821	0.880
5770.0	0.000	0.000	0.000	0.000	0.000	0.000	0.102	0.296	0.428	0.541	0.613	0.678	0.749	0.818	0.878
5780.0	0.000	0.000	0.000	0.000	0.000	0.000	0.093	0.288	0.421	0.535	0.607	0.673	0.745	0.815	0.876
5790.0	0.000	0.000	0.000	0.000	0.000	0.000	0.084	0.280	0.414	0.529	0.601	0.668	0.741	0.812	0.874
5800.0	0.000	0.000	0.000	0.000	0.000	0.000	0.075	0.272	0.407	0.523	0.595	0.663	0.737	0.809	0.872
5810.0	0.000	0.000	0.000	0.000	0.000	0.000	0.066	0.264	0.400	0.517	0.589	0.658	0.733	0.806	0.870
5820.0	0.000	0.000	0.000	0.000	0.000	0.000	0.057	0.256	0.393	0.511	0.583	0.653	0.729	0.803	0.868
5830.0	0.000	0.000	0.000	0.000	0.000	0.000	0.048	0.248	0.386	0.505	0.577	0.648	0.725	0.800	0.866
5840.0	0.000	0.000	0.000	0.000	0.000	0.000	0.039	0.240	0.379	0.499	0.571	0.643	0.721	0.797	0.864
5850.0	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.232	0.372	0.493	0.565	0.638	0.717	0.794	0.862
5860.0	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.224	0.365	0.487	0.559	0.633	0.713	0.791	0.860
5870.0	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.216	0.358	0.481	0.553	0.628	0.709	0.788	0.858
5880.0	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.208	0.351	0.475	0.547	0.623	0.705	0.785	0.856
5890.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.344	0.469	0.541	0.618	0.701	0.782	0.854
5900.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.192	0.337	0.463	0.535	0.613	0.697	0.779	0.852
5910.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.184	0.330	0.457	0.529	0.608	0.693	0.776	0.850
5920.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.176	0.323	0.451	0.523	0.603	0.689	0.773	0.848
5930.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.168	0.316	0.445	0.517	0.598	0.685	0.770	0.846
5940.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.160	0.309	0.439	0.511	0.593	0.681	0.767	0.844
5950.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.152	0.302	0.433	0.505	0.588	0.677	0.764	0.842
5960.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.144	0.295	0.427	0.499	0.583	0.673	0.761	0.840
5970.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.136	0.288	0.421	0.493	0.578	0.669	0.758	0.838
5980.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.128	0.281	0.415	0.487	0.573	0.665	0.755	0.836
5990.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.120	0.274	0.409	0.481	0.568	0.661	0.752	0.834
6000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.112	0.267	0.403	0.475	0.563	0.657	0.749	0.832

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
							UNITS CM.]								
6010.0	0.814	0.892	0.918	0.943	0.965	0.976	0.986	0.991	0.995	0.997	0.998	1.000	1.000	1.000	
6020.0	0.810	0.890	0.916	0.942	0.965	0.976	0.986	0.991	0.995	0.996	0.998	1.000	1.000	1.000	
6030.0	0.796	0.878	0.909	0.936	0.961	0.974	0.985	0.991	0.995	0.996	0.998	0.999	1.000	1.000	
6040.0	0.801	0.883	0.910	0.937	0.961	0.974	0.985	0.991	0.995	0.996	0.998	0.999	1.000	1.000	
6050.0	0.802	0.884	0.911	0.938	0.962	0.974	0.985	0.991	0.995	0.996	0.998	0.999	1.000	1.000	
6060.0	0.816	0.896	0.922	0.946	0.966	0.976	0.986	0.991	0.995	0.997	0.998	1.000	1.000	1.000	
6070.0	0.818	0.898	0.924	0.947	0.967	0.977	0.986	0.991	0.995	0.997	0.998	1.000	1.000	1.000	
6080.0	0.794	0.874	0.904	0.932	0.958	0.972	0.984	0.990	0.995	0.997	0.998	0.999	1.000	1.000	
6090.0	0.801	0.881	0.909	0.936	0.960	0.973	0.984	0.990	0.995	0.997	0.998	0.999	1.000	1.000	
6100.0	0.802	0.882	0.910	0.937	0.960	0.973	0.984	0.990	0.995	0.997	0.998	0.999	1.000	1.000	
6110.0	0.636	0.759	0.820	0.884	0.935	0.960	0.977	0.988	0.994	0.997	0.998	0.999	1.000	1.000	
6120.0	0.621	0.752	0.798	0.852	0.909	0.939	0.962	0.980	0.990	0.995	0.997	0.999	1.000	1.000	
6130.0	0.730	0.810	0.865	0.907	0.938	0.957	0.973	0.985	0.992	0.996	0.998	0.999	1.000	1.000	
6140.0	0.722	0.806	0.863	0.906	0.938	0.957	0.973	0.985	0.992	0.996	0.998	0.999	1.000	1.000	
6150.0	0.863	0.915	0.941	0.960	0.976	0.985	0.990	0.995	0.997	0.999	1.000	1.000	1.000	1.000	
6160.0	0.881	0.927	0.950	0.966	0.980	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	
6170.0	0.736	0.823	0.869	0.906	0.940	0.958	0.971	0.982	0.989	0.993	0.997	0.998	0.999	1.000	1.000
6180.0	0.706	0.803	0.856	0.904	0.936	0.954	0.969	0.981	0.988	0.993	0.996	0.998	0.999	1.000	1.000
6190.0	0.625	0.692	0.925	0.949	0.970	0.980	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
6200.0	0.626	0.693	0.927	0.950	0.971	0.981	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
6210.0	0.631	0.693	0.928	0.951	0.971	0.981	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000	
6220.0	0.605	0.678	0.916	0.943	0.966	0.977	0.987	0.992	0.996	0.997	0.999	1.000	1.000	1.000	
6230.0	0.722	0.805	0.864	0.907	0.942	0.962	0.976	0.987	0.993	0.996	0.998	0.999	1.000	1.000	
6240.0	0.669	0.753	0.819	0.869	0.916	0.942	0.960	0.976	0.985	0.992	0.996	0.998	0.999	1.000	
6250.0	0.624	0.731	0.804	0.860	0.911	0.939	0.958	0.974	0.984	0.990	0.995	0.998	0.999	1.000	
6260.0	0.763	0.831	0.881	0.920	0.953	0.969	0.980	0.990	0.994	0.998	0.999	1.000	1.000	1.000	
6270.0	0.767	0.837	0.885	0.923	0.955	0.970	0.981	0.990	0.995	0.997	0.999	1.000	1.000	1.000	
6280.0	0.831	0.875	0.911	0.935	0.966	0.975	0.984	0.992	0.995	0.998	0.999	1.000	1.000	1.000	
6290.0	0.816	0.866	0.903	0.931	0.963	0.973	0.983	0.991	0.995	0.997	0.999	1.000	1.000	1.000	
6300.0	0.686	0.775	0.838	0.886	0.930	0.955	0.974	0.986	0.993	0.997	0.999	1.000	1.000	1.000	
6310.0	0.715	0.814	0.868	0.908	0.944	0.965	0.979	0.988	0.994	0.998	0.999	1.000	1.000	1.000	
6320.0	0.722	0.820	0.873	0.912	0.946	0.966	0.979	0.989	0.994	0.998	0.999	1.000	1.000	1.000	
6330.0	0.522	0.682	0.769	0.836	0.892	0.928	0.955	0.974	0.985	0.992	0.996	0.998	0.999	1.000	
6340.0	0.535	0.693	0.778	0.843	0.897	0.931	0.957	0.975	0.986	0.992	0.996	0.998	0.999	1.000	
6350.0	0.535	0.693

WATER VAPOR 0.05 ATMOSPHERE PRESSURE

T=300° K

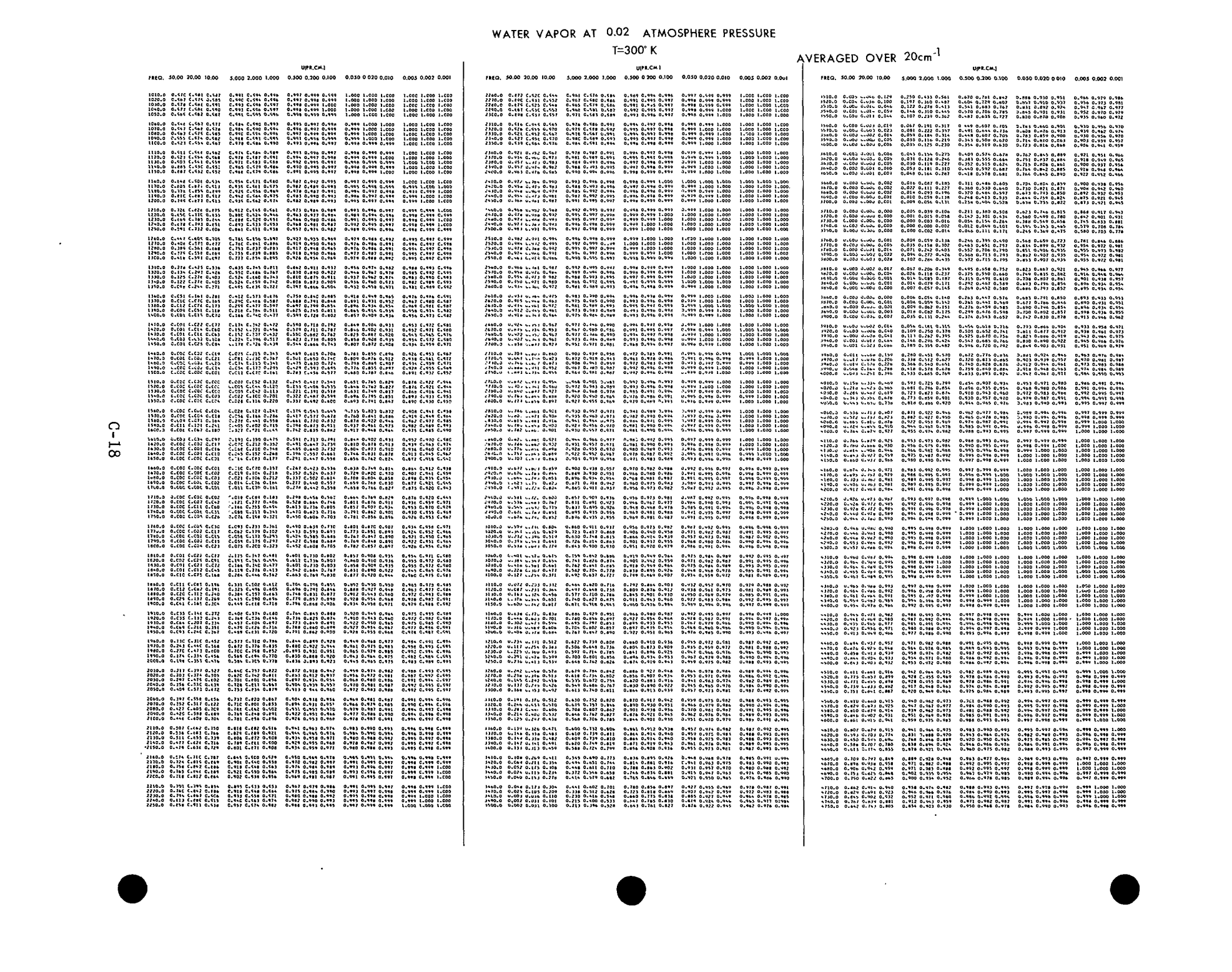
AVERAGED OVER 20cm^{-1}

FREQ.	U(PR.CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
9510.0	0.4887	0.778	0.919	0.984	0.998	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9520.0	0.4881	0.769	0.914	0.982	0.998	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9530.0	0.4869	0.764	0.908	0.979	0.997	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9540.0	0.4861	0.759	0.903	0.978	0.997	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9550.0	0.4852	0.754	0.898	0.976	0.996	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9560.0	0.4844	0.749	0.894	0.974	0.996	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9570.0	0.4837	0.744	0.889	0.973	0.996	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9580.0	0.4829	0.740	0.885	0.971	0.995	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9590.0	0.4822	0.735	0.880	0.970	0.995	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9600.0	0.4814	0.730	0.876	0.968	0.995	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9610.0	0.4807	0.726	0.872	0.967	0.994	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9620.0	0.4799	0.721	0.867	0.965	0.994	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9630.0	0.4792	0.717	0.863	0.964	0.994	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9640.0	0.4784	0.712	0.858	0.962	0.993	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9650.0	0.4777	0.708	0.854	0.961	0.993	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9660.0	0.4769	0.703	0.850	0.959	0.993	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9670.0	0.4762	0.699	0.845	0.958	0.992	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9680.0	0.4754	0.694	0.841	0.956	0.992	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9690.0	0.4747	0.690	0.837	0.955	0.992	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9700.0	0.4739	0.685	0.832	0.953	0.991	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9710.0	0.4732	0.681	0.828	0.952	0.991	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9720.0	0.4724	0.676	0.824	0.950	0.991	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9730.0	0.4717	0.672	0.819	0.949	0.990	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9740.0	0.4709	0.667	0.815	0.947	0.990	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9750.0	0.4702	0.663	0.811	0.946	0.990	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9760.0	0.4694	0.658	0.806	0.944	0.989	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9770.0	0.4687	0.654	0.802	0.943	0.989	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9780.0	0.4679	0.649	0.798	0.941	0.988	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9790.0	0.4672	0.645	0.793	0.940	0.988	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9800.0	0.4664	0.640	0.789	0.938	0.987	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9810.0	0.4657	0.636	0.785	0.937	0.987	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9820.0	0.4649	0.631	0.780	0.935	0.986	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9830.0	0.4642	0.627	0.776	0.934	0.986	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9840.0	0.4634	0.622	0.772	0.932	0.985	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9850.0	0.4627	0.618	0.767	0.931	0.985	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9860.0	0.4619	0.613	0.763	0.929	0.984	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9870.0	0.4612	0.609	0.759	0.928	0.984	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9880.0	0.4604	0.604	0.754	0.926	0.983	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9890.0	0.4597	0.600	0.750	0.925	0.983	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9900.0	0.4589	0.595	0.746	0.923	0.982	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9910.0	0.4582	0.591	0.741	0.922	0.982	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9920.0	0.4574	0.586	0.737	0.920	0.981	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9930.0	0.4567	0.582	0.733	0.919	0.981	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9940.0	0.4559	0.577	0.728	0.917	0.980	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9950.0	0.4552	0.573	0.724	0.916	0.980	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9960.0	0.4544	0.568	0.720	0.914	0.979	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9970.0	0.4537	0.564	0.715	0.913	0.979	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9980.0	0.4529	0.559	0.711	0.911	0.978	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
9990.0	0.4522	0.555	0.707	0.910	0.978	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
10000.0	0.4514	0.550	0.702	0.908	0.977	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
10010.0	0.4507	0.546	0.698	0.907	0.977	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
10020.0	0.4499	0.541	0.694	0.905	0.976	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
10030.0	0.4492	0.537	0.689	0.904	0.976	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
10040.0	0.4484	0.532	0.685	0.902	0.975	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
10050.0	0.4477	0.528	0.681	0.901	0.975	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
10060.0	0.4469	0.523	0.676	0.899	0.974	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
10070.0	0.4462	0.519	0.672	0.898	0.974	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
10080.0	0.4454	0.514	0.668	0.896	0.973	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
10090.0	0.4447	0.510	0.663	0.895	0.973	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
10100.0	0.4439	0.505	0.659	0.893	0.972	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000

WATER VAPOR AT 0.02 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER $20cm^{-1}$



WATER VAPOR AT 0.02 ATMOSPHERE PRESSURE
T=300° K
AVERAGED OVER 20cm^{-1}

WATER VAPOR AT 0.02 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER 20cm^{-1}

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
							U(PR.CM.)								
8510.0	0.733	0.851	0.893	0.924	0.952	0.967	0.977	0.986	0.991	0.994	0.998	0.997	0.999	0.999	1.000
8520.0	0.732	0.850	0.892	0.923	0.955	0.969	0.978	0.987	0.992	0.994	0.997	0.998	0.999	0.999	1.000
8530.0	0.730	0.849	0.891	0.924	0.957	0.972	0.979	0.988	0.993	0.994	0.998	0.998	0.999	1.000	1.000
8540.0	0.729	0.847	0.890	0.925	0.958	0.974	0.980	0.989	0.993	0.995	0.998	0.998	0.999	1.000	1.000
8550.0	0.728	0.846	0.889	0.926	0.959	0.975	0.981	0.990	0.994	0.995	0.998	0.998	0.999	1.000	1.000
8560.0	0.727	0.845	0.888	0.927	0.960	0.976	0.982	0.990	0.994	0.996	0.998	0.998	0.999	1.000	1.000
8570.0	0.726	0.844	0.887	0.928	0.961	0.977	0.983	0.991	0.994	0.996	0.998	0.998	0.999	1.000	1.000
8580.0	0.725	0.843	0.886	0.929	0.962	0.978	0.984	0.991	0.995	0.996	0.998	0.998	0.999	1.000	1.000
8590.0	0.724	0.842	0.885	0.930	0.963	0.979	0.985	0.992	0.995	0.996	0.998	0.998	0.999	1.000	1.000
8600.0	0.723	0.841	0.884	0.931	0.964	0.980	0.986	0.992	0.995	0.996	0.998	0.998	0.999	1.000	1.000
8610.0	0.722	0.840	0.883	0.932	0.965	0.981	0.987	0.993	0.995	0.996	0.998	0.998	0.999	1.000	1.000
8620.0	0.721	0.839	0.882	0.933	0.966	0.982	0.988	0.993	0.996	0.997	0.998	0.998	0.999	1.000	1.000
8630.0	0.720	0.838	0.881	0.934	0.967	0.983	0.989	0.994	0.996	0.997	0.998	0.998	0.999	1.000	1.000
8640.0	0.719	0.837	0.880	0.935	0.968	0.984	0.990	0.994	0.996	0.997	0.998	0.998	0.999	1.000	1.000
8650.0	0.718	0.836	0.879	0.936	0.969	0.985	0.991	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
8660.0	0.717	0.835	0.878	0.937	0.970	0.986	0.992	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
8670.0	0.716	0.834	0.877	0.938	0.971	0.987	0.993	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
8680.0	0.715	0.833	0.876	0.939	0.972	0.988	0.993	0.996	0.997	0.998	0.998	0.998	0.999	1.000	1.000
8690.0	0.714	0.832	0.875	0.940	0.973	0.989	0.994	0.996	0.997	0.998	0.998	0.998	0.999	1.000	1.000
8700.0	0.713	0.831	0.874	0.941	0.974	0.990	0.994	0.996	0.997	0.998	0.998	0.998	0.999	1.000	1.000
8710.0	0.636	0.757	0.824	0.874	0.920	0.944	0.961	0.976	0.984	0.989	0.994	0.994	0.998	0.998	1.000
8720.0	0.640	0.759	0.826	0.876	0.922	0.945	0.962	0.977	0.985	0.990	0.994	0.994	0.998	0.999	0.999
8730.0	0.643	0.761	0.827	0.877	0.923	0.946	0.963	0.978	0.985	0.990	0.994	0.994	0.997	0.998	0.999
8740.0	0.647	0.764	0.829	0.879	0.924	0.947	0.964	0.978	0.986	0.990	0.994	0.994	0.997	0.998	0.999
8750.0	0.650	0.766	0.830	0.880	0.925	0.948	0.965	0.979	0.986	0.990	0.994	0.994	0.997	0.998	0.999
8760.0	0.653	0.768	0.832	0.881	0.926	0.949	0.966	0.979	0.986	0.991	0.995	0.995	0.997	0.998	0.999
8770.0	0.656	0.770	0.833	0.882	0.927	0.950	0.966	0.980	0.987	0.991	0.995	0.995	0.998	0.999	1.000
8780.0	0.659	0.772	0.835	0.883	0.928	0.951	0.967	0.981	0.987	0.992	0.995	0.995	0.998	0.999	1.000
8790.0	0.662	0.774	0.836	0.884	0.929	0.952	0.968	0.981	0.988	0.992	0.995	0.995	0.998	0.999	1.000
8800.0	0.665	0.776	0.838	0.885	0.930	0.953	0.969	0.982	0.988	0.992	0.995	0.995	0.998	0.999	1.000
8810.0	0.668	0.778	0.839	0.886	0.931	0.954	0.969	0.982	0.988	0.992	0.995	0.995	0.998	0.999	1.000
8820.0	0.671	0.780	0.841	0.887	0.932	0.955	0.970	0.983	0.989	0.993	0.996	0.996	0.998	0.999	1.000
8830.0	0.674	0.782	0.842	0.888	0.933	0.956	0.971	0.983	0.989	0.993	0.996	0.996	0.998	0.999	1.000
8840.0	0.677	0.784	0.844	0.889	0.934	0.957	0.971	0.984	0.990	0.993	0.996	0.996	0.998	0.999	1.000
8850.0	0.680	0.786	0.845	0.890	0.935	0.958	0.972	0.984	0.990	0.993	0.996	0.996	0.998	0.999	1.000
8860.0	0.683	0.788	0.847	0.891	0.936	0.959	0.973	0.985	0.991	0.994	0.996	0.996	0.998	0.999	1.000
8870.0	0.686	0.790	0.848	0.892	0.937	0.960	0.973	0.985	0.991	0.994	0.996	0.996	0.998	0.999	1.000
8880.0	0.689	0.792	0.850	0.893	0.938	0.961	0.974	0.986	0.991	0.994	0.997	0.997	0.998	0.999	1.000
8890.0	0.692	0.794	0.851	0.894	0.939	0.962	0.975	0.986	0.991	0.994	0.997	0.997	0.998	0.999	1.000
8900.0	0.695	0.796	0.853	0.895	0.940	0.963	0.975	0.987	0.992	0.995	0.997	0.997	0.998	0.999	1.000
8910.0	0.698	0.798	0.854	0.896	0.941	0.964	0.976	0.987	0.992	0.995	0.997	0.997	0.998	0.999	1.000
8920.0	0.701	0.800	0.856	0.897	0.942	0.965	0.977	0.988	0.992	0.995	0.997	0.997	0.998	0.999	1.000
8930.0	0.704	0.802	0.857	0.898	0.943	0.966	0.977	0.988	0.992	0.995	0.997	0.997	0.998	0.999	1.000
8940.0	0.707	0.804	0.859	0.899	0.944	0.967	0.978	0.989	0.993	0.995	0.997	0.997	0.998	0.999	1.000
8950.0	0.710	0.806	0.860	0.900	0.945	0.968	0.979	0.989	0.993	0.996	0.998	0.998	0.999	1.000	1.000
8960.0	0.713	0.808	0.862	0.901	0.946	0.969	0.979	0.990	0.994	0.996	0.998	0.998	0.999	1.000	1.000
8970.0	0.716	0.810	0.863	0.902	0.947	0.970	0.980	0.990	0.994	0.996	0.998	0.998	0.999	1.000	1.000
8980.0	0.719	0.812	0.865	0.903	0.948	0.971	0.981	0.991	0.994	0.996	0.998	0.998	0.999	1.000	1.000
8990.0	0.722	0.814	0.866	0.904	0.949	0.972	0.981	0.991	0.995	0.996	0.998	0.998	0.999	1.000	1.000
9000.0	0.724	0.816	0.868	0.905	0.950	0.973	0.982	0.992	0.995	0.996	0.998	0.998	0.999	1.000	1.000
9010.0	0.727	0.818	0.869	0.906	0.951	0.974	0.983	0.992	0.995	0.997	0.998	0.998	0.999	1.000	1.000
9020.0	0.730	0.820	0.871	0.907	0.952	0.975	0.983	0.992	0.995	0.997	0.998	0.998	0.999	1.000	1.000
9030.0	0.733	0.822	0.872	0.908	0.953	0.976	0.984	0.993	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9040.0	0.736	0.824	0.874	0.909	0.954	0.977	0.985	0.993	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9050.0	0.739	0.826	0.875	0.910	0.955	0.978	0.985	0.994	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9060.0	0.742	0.828	0.877	0.911	0.956	0.979	0.986	0.994	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9070.0	0.745	0.830	0.878	0.912	0.957	0.980	0.987	0.994	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9080.0	0.748	0.832	0.880	0.913	0.958	0.981	0.987	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9090.0	0.751	0.834	0.881	0.914	0.959	0.982	0.988	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9100.0	0.754	0.836	0.883	0.915	0.960	0.983	0.989	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9110.0	0.757	0.838	0.884	0.916	0.961	0.984	0.989	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9120.0	0.760	0.840	0.886	0.917	0.962	0.985	0.990	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9130.0	0.763	0.842	0.887	0.918	0.963	0.986	0.990	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9140.0	0.766	0.844	0.889	0.919	0.964	0.987	0.991	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9150.0	0.769	0.846	0.890	0.920	0.965	0.988	0.991	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9160.0	0.772	0.848	0.892	0.921	0.966	0.989	0.992	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9170.0	0.775	0.850	0.893	0.922	0.967	0.990	0.992	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9180.0	0.778	0.852	0.895	0.923	0.968	0.991	0.993	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9190.0	0.781	0.854	0.896	0.924	0.969	0.992	0.993	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9200.0	0.784	0.856	0.898	0.925	0.970	0.993	0.994	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9210.0	0.787	0.858	0.899	0.926	0.971	0.994	0.994	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9220.0	0.790	0.860	0.901	0.927	0.972	0.995	0.994	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9230.0	0.793	0.862	0.902	0.928	0.973	0.996	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9240.0	0.796	0.864	0.904	0.929	0.974	0.997	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9250.0	0.799	0.866	0.905	0.930	0.975	0.998	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9260.0	0.802	0.868	0.907	0.931	0.976	0.999	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9270.0	0.805	0.870	0.908	0.932	0.977	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9280.0	0.808	0.872	0.910	0.933	0.978	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9290.0	0.811	0.874	0.911	0.934	0.979	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9300.0	0.814	0.876	0.913	0.935	0.980	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9310.0	0.817	0.878	0.914	0.936	0.981	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9320.0	0.820	0.880	0.916	0.937	0.982	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9330.0	0.823	0.882	0.917	0.938	0.983	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9340.0	0.826	0.884	0.919	0.939	0.984	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9350.0	0.829	0.886	0.920	0.940	0.985	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9360.0	0.832	0.888	0.922	0.941	0.986	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9370.0	0.835	0.890	0.923	0.942	0.987	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9380.0	0.838	0.892	0.925	0.943	0.988	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9390.0	0.841	0.894	0.926	0.944	0.989	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9400.0	0.844	0.896	0.928	0.945	0.990	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9410.0	0.847	0.898	0.929	0.946	0.991	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9420.0	0.850	0.900	0.931	0.947	0.992	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9430.0	0.853	0.902	0.932	0.948	0.993	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9440.0	0.856	0.904	0.934	0.949	0.994	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9450.0	0.859	0.906	0.935	0.950	0.995	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9460.0	0.862	0.908	0.937	0.951	0.996	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9470.0	0.865	0.910	0.938	0.952	0.997	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9480.0	0.868	0.912	0.940	0.953	0.998	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9490.0	0.871	0.914	0.941	0.954	0.999	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9500.0	0.874	0.916	0.943	0.955	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9510.0	0.877	0.918	0.944	0.956	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9520.0	0.880	0.920	0.946	0.957	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9530.0	0.883	0.922	0.947	0.958	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9540.0	0.886	0.924	0.949	0.959	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9550.0	0.889	0.926	0.950	0.960	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9560.0	0.892	0.928	0.952	0.961	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9570.0	0.895	0.930	0.953	0.962	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9580.0	0.898	0.932	0.955	0.963	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9590.0	0.901	0.934	0.956	0.964	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9600.0	0.904	0.936	0.958	0.965	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9610.0	0.907	0.938	0.959	0.966	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9620.0	0.910	0.940	0.961	0.967	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9630.0	0.913	0.942	0.962	0.968	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9640.0	0.916	0.944	0.964	0.969	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9650.0	0.919	0.946	0.965	0.970	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9660.0	0.922	0.948	0.967	0.971	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9670.0	0.925	0.950	0.968	0.972	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9680.0	0.928	0.952	0.970	0.973	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9690.0	0.931	0.954	0.971	0.974	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9700.0	0.934	0.956	0.973	0.975	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9710.0	0.937	0.958	0.974	0.976	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9720.0	0.940	0.960	0.976	0.977	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9730.0	0.943	0.962	0.977	0.978	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9740.0	0.946	0.964	0.979	0.979	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9750.0	0.949	0.966	0.980	0.980	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9760.0	0.952	0.968	0.982	0.981	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9770.0	0.955	0.970	0.983	0.982	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9780.0	0.958	0.972	0.984	0.983	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9790.0	0.961	0.974	0.985	0.984	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9800.0	0.964	0.976	0.986	0.985	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9810.0	0.967	0.978	0.987	0.986	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9820.0	0.970	0.980	0.988	0.987	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9830.0	0.973	0.982	0.989	0.988	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9840.0	0.976	0.984	0.990	0.989	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9850.0	0.979	0.986	0.991	0.990	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9860.0	0.982	0.988	0.992	0.991	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9870.0	0.985	0.990	0.993	0.992	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9880.0	0.988	0.992	0.994	0.993	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9890.0	0.991	0.994	0.995	0.994	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000
9900.0	0.994	0.996	0.997	0.995	1.000	1.000	0.995	0.995	0.996	0.997	0.998	0.998	0.999	1.000	1.000

WATER VAPOR AT 0.01 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER 20cm^{-1}

WATER VAPOR AT 0.01 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER 20cm^{-1}

U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
4760.0	0.753	0.828	0.872	0.908	0.938	0.956	0.968	0.980	0.986	0.992	0.994	0.996	0.997	0.998	0.999
4770.0	0.701	0.938	0.957	0.970	0.982	0.987	0.991	0.995	0.996	0.998	0.999	0.999	0.999	1.000	1.000
4780.0	0.701	0.938	0.957	0.970	0.981	0.987	0.991	0.995	0.996	0.998	0.999	0.999	0.999	1.000	1.000
4790.0	0.811	0.891	0.923	0.945	0.968	0.976	0.984	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000
4800.0	0.828	0.890	0.922	0.945	0.965	0.976	0.985	0.990	0.993	0.997	0.998	0.999	0.999	1.000	1.000
4810.0	0.854	0.908	0.935	0.954	0.972	0.980	0.987	0.992	0.995	0.996	0.998	0.999	0.999	1.000	1.000
4820.0	0.715	0.307	0.858	0.897	0.931	0.953	0.967	0.979	0.986	0.994	0.996	0.998	0.999	0.999	1.000
4830.0	0.792	0.790	0.845	0.886	0.923	0.944	0.962	0.977	0.984	0.993	0.995	0.997	0.998	0.999	0.999
4840.0	0.785	0.845	0.894	0.925	0.952	0.968	0.978	0.985	0.990	0.995	0.997	0.998	0.999	1.000	1.000
4850.0	0.883	0.931	0.959	0.971	0.983	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
4860.0	0.885	0.928	0.949	0.964	0.978	0.985	0.989	0.994	0.996	0.997	0.998	0.999	1.000	1.000	1.000
4870.0	0.860	0.911	0.937	0.955	0.972	0.981	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000
4880.0	0.844	0.913	0.939	0.957	0.973	0.981	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000
4890.0	0.815	0.879	0.913	0.938	0.960	0.971	0.979	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000
4900.0	0.796	0.867	0.905	0.932	0.957	0.970	0.979	0.987	0.991	0.994	0.997	0.998	0.999	0.999	1.000
4910.0	0.825	0.888	0.920	0.944	0.965	0.975	0.981	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000
4920.0	0.803	0.873	0.909	0.936	0.960	0.972	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000
4930.0	0.791	0.865	0.903	0.932	0.957	0.970	0.980	0.988	0.992	0.994	0.997	0.998	0.999	0.999	1.000
4940.0	0.805	0.874	0.911	0.937	0.961	0.973	0.981	0.989	0.992	0.995	0.997	0.998	0.999	0.999	1.000
4950.0	0.790	0.864	0.903	0.932	0.957	0.970	0.979	0.987	0.991	0.994	0.997	0.998	0.999	0.999	1.000
4960.0	0.798	0.870	0.907	0.935	0.959	0.972	0.981	0.989	0.992	0.995	0.997	0.998	0.999	0.999	1.000
4970.0	0.789	0.863	0.901	0.931	0.957	0.970	0.979	0.988	0.992	0.994	0.997	0.998	0.999	0.999	1.000
4980.0	0.784	0.860	0.901	0.932	0.957	0.970	0.979	0.988	0.992	0.994	0.997	0.998	0.999	0.999	1.000
4990.0	0.758	0.842	0.887	0.920	0.950	0.965	0.976	0.986	0.990	0.994	0.996	0.998	0.999	0.999	1.000
5000.0	0.726	0.818	0.869	0.906	0.941	0.959	0.972	0.983	0.989	0.993	0.996	0.997	0.998	0.999	0.999
5010.0	0.668	0.777	0.837	0.883	0.925	0.948	0.965	0.977	0.985	0.990	0.994	0.996	0.997	0.998	0.999
5020.0	0.701	0.800	0.854	0.895	0.933	0.953	0.967	0.980	0.986	0.991	0.995	0.996	0.998	0.999	0.999
5030.0	0.688	0.791	0.848	0.890	0.930	0.950	0.967	0.978	0.985	0.990	0.994	0.996	0.998	0.999	0.999
5040.0	0.732	0.751	0.819	0.869	0.917	0.943	0.962	0.976	0.983	0.989	0.993	0.995	0.997	0.998	0.999
5050.0	0.615	0.736	0.806	0.860	0.909	0.937	0.958	0.973	0.981	0.987	0.992	0.995	0.997	0.998	0.999
5060.0	0.617	0.736	0.807	0.861	0.911	0.937	0.956	0.972	0.981	0.987	0.992	0.995	0.997	0.998	0.999
5070.0	0.595	0.726	0.799	0.855	0.907	0.935	0.954	0.972	0.981	0.987	0.992	0.995	0.997	0.998	0.999
5080.0	0.524	0.670	0.755	0.821	0.885	0.918	0.941	0.964	0.976	0.983	0.990	0.993	0.996	0.997	0.998
5090.0	0.507	0.658	0.745	0.816	0.881	0.915	0.939	0.963	0.974	0.982	0.989	0.993	0.995	0.997	0.998
5100.0	0.463	0.625	0.709	0.785	0.850	0.890	0.926	0.955	0.969	0.979	0.988	0.992	0.995	0.997	0.998
5110.0	0.381	0.567	0.655	0.742	0.829	0.877	0.913	0.945	0.962	0.974	0.984	0.989	0.993	0.996	0.997
5120.0	0.353	0.543	0.634	0.725	0.820	0.871	0.910	0.943	0.961	0.973	0.983	0.989	0.993	0.995	0.997
5130.0	0.288	0.462	0.583	0.685	0.789	0.847	0.890	0.931	0.952	0.969	0.979	0.986	0.990	0.994	0.996
5140.0	0.240	0.404	0.535	0.643	0.760	0.824	0.872	0.919	0.944	0.964	0.976	0.984	0.989	0.993	0.995
5150.0	0.240	0.420	0.544	0.654	0.766	0.829	0.877	0.921	0.944	0.961	0.974	0.983	0.989	0.993	0.996
5160.0	0.163	0.326	0.457	0.577	0.707	0.783	0.842	0.898	0.927	0.949	0.968	0.978	0.985	0.991	0.994
5170.0	0.113	0.272	0.406	0.533	0.675	0.759	0.825	0.886	0.919	0.944	0.964	0.975	0.982	0.989	0.992
5180.0	0.121	0.281	0.415	0.541	0.683	0.768	0.831	0.890	0.921	0.945	0.964	0.975	0.983	0.989	0.993
5190.0	0.124	0.281	0.415	0.545	0.685	0.771	0.835	0.893	0.923	0.947	0.965	0.976	0.983	0.990	0.993
5200.0	0.080	0.231	0.362	0.493	0.640	0.731	0.802	0.872	0.909	0.938	0.960	0.973	0.981	0.988	0.992
5210.0	0.056	0.159	0.281	0.417	0.584	0.687	0.769	0.849	0.891	0.923	0.951	0.968	0.976	0.985	0.990
5220.0	0.068	0.202	0.335	0.472	0.631	0.728	0.807	0.874	0.907	0.934	0.958	0.971	0.980	0.988	0.992
5230.0	0.064	0.196	0.313	0.447	0.621	0.721	0.801	0.870	0.904	0.932	0.957	0.970	0.979	0.987	0.991
5240.0	0.053	0.173	0.282	0.410	0.593	0.694	0.775	0.852	0.894	0.924	0.952	0.968	0.976	0.985	0.990
5250.0	0.062	0.196	0.331	0.467	0.626	0.721	0.796	0.867	0.901	0.932	0.957	0.970	0.979	0.987	0.991
5260.0	0.064	0.158	0.286	0.427	0.595	0.690	0.770	0.836	0.877	0.907	0.934	0.948	0.970	0.980	0.988
5270.0	0.051	0.146	0.293	0.430	0.597	0.702	0.784	0.852	0.892	0.920	0.945	0.962	0.974	0.984	0.990
5280.0	0.092	0.242	0.378	0.510	0.658	0.764	0.836	0.894	0.924	0.949	0.966	0.975	0.983	0.990	0.993
5290.0	0.115	0.292	0.517	0.624	0.761	0.850	0.902	0.940	0.959	0.974	0.983	0.989	0.993	0.996	0.997
5300.0	0.225	0.414	0.558	0.674	0.788	0.870	0.916	0.951	0.967	0.979	0.987	0.991	0.995	0.997	0.998
5310.0	0.078	0.251	0.344	0.496	0.665	0.778	0.850	0.906	0.937	0.961	0.976	0.984	0.991	0.994	0.996
5320.0	0.081	0.265	0.365	0.519	0.683	0.795	0.865	0.917	0.945	0.967	0.979	0.986	0.992	0.995	0.997
5330.0	0.051	0.211	0.283	0.478	0.650	0.770	0.850	0.902	0.933	0.959	0.974	0.983	0.990	0.994	0.996
5340.0	0.056	0.224	0.300	0.494	0.667	0.787	0.866	0.917	0.945	0.967	0.979	0.986	0.992	0.995	0.997
5350.0	0.060	0.230	0.309	0.503	0.675	0.795	0.872	0.922	0.948	0.968	0.980	0.987	0.992	0.995	0.997
5360.0	0.062	0.236	0.319	0.513	0.685	0.804	0.879	0.927	0.952	0.970	0.981	0.988	0.993	0.996	0.997
5370.0	0.069	0.251	0.339	0.532	0.701	0.818	0.889	0.934	0.957	0.973	0.983	0.989	0.993	0.996	0.998
5380.0	0.089	0.292	0.389	0.575	0.736	0.846	0.909	0.947	0.965	0.978	0.986	0.991	0.995	0.997	0.998
5390.0	0.087	0.288	0.384	0.570	0.732	0.843	0.907	0.946	0.965	0.978	0.986	0.991	0.995	0.997	0.998
5400.0	0.077	0.272	0.365	0.554	0.717	0.830	0.897	0.939	0.960	0.975	0.984	0.990	0.994	0.996	0.998
5410.0	0.088	0.303	0.406	0.588	0.748	0.856	0.916	0.954	0.971	0.981	0.989	0.993	0.996	0.998	0.999
5420.0	0.104	0.327	0.438	0.615	0.769	0.870	0.926	0.960	0.975	0.984	0.991	0.995	0.997	0.998	0.999
5430.0	0.116	0.342	0.460	0.632	0.784	0.881	0.934	0.965	0.978	0.986	0.992	0.995	0.997	0.998	0.999
5440.0	0.117	0.343	0.463	0.635	0.787	0.884	0.936	0.966	0.979	0.987	0.992	0.996	0.997	0.998	0.999
5450.0	0.162	0.337	0.477	0.635	0.778	0.880	0.936	0.969	0.983	0.990	0.994	0.997	0.998	0.999	0.999
5460.0	0.145	0.297	0.425	0.560	0.688	0.788	0.853	0.905	0.936	0.955	0.972	0.981	0.988	0.992	0.995
5470.0	0.141	0.291	0.419	0.554	0.683	0.784	0.850	0.903	0.935	0.955	0.972	0.982	0.989	0.993	0.995
5480.0	0.181	0.324	0.457	0.588	0.718	0.822	0.886	0.927	0.952	0.969	0.979	0.986	0.992	0.995	0.997
5490.0	0.184	0.329	0.462	0.594	0.724	0.828	0.891	0.931	0.955	0.971	0.981	0.988	0.992	0.995	0.997
5500.0	0.244	0.348	0.537	0.685	0.792	0.875	0.931	0.967	0.980	0.986	0.992	0.995	0.997	0.998	0.999
5510.0	0.166	0.329	0.462	0.586	0.716	0.792	0.849	0.903	0.931	0.951	0.970	0.979	0.985	0.991	0.994
5520.0	0.227	0.385	0.494	0.620	0.740	0.809	0.867	0.911	0.938	0.958	0.972	0.981	0.987	0.992	0.994
5530.0	0.227	0.385	0.494	0.620	0.740	0.809	0.867	0.911	0.938	0.958	0.972	0.981	0.987	0.992	0.994
5540.0	0.231	0.401	0.509	0.636	0.752	0.821	0.877	0.920	0.945	0.962	0.974	0.983	0.989	0.993	0.995
5550.0	0.213	0.361	0.469	0.597	0.723	0.797	0.858	0.904	0.933	0.955	0.970	0.980	0.987	0.992	0.994
5560.0	0.183	0.344	0.452	0.579	0.710	0.784	0.842	0.892	0.923	0.947	0.964	0.975	0.983	0.989	0.993
5570.0	0.168	0.331	0.719	0.781	0.862	0.900	0.929	0.953	0.969	0.978	0.987	0.991	0.994	0.996	0.998
5580.0	0.151	0.340	0.777	0.842	0.911	0.940	0.962	0.974	0.982	0.989	0.993	0.995	0.997	0.998	0.999
5590.0	0.329	0.684	0.751	0.818	0.881	0.915	0.940	0.962	0.974	0.982	0.989	0.993	0.995	0.997	0.998
5600.0	0.681	0.115	0.184	0.446	0.900	0.929	0.950	0.969	0.978	0.985	0.991	0.994	0.996	0.998	0.999
5610.0	0.568	0.724	0.787	0.843	0.899	0.928	0.948	0.967	0.978	0.985	0.991	0.994	0.996	0.998	0.999
5620.0	0.641	0.781	0.825	0.867	0.913	0.936	0.953	0.970	0.979	0.986	0.991	0.994	0.996	0.998	0.999
5630.0	0.651	0.769	0.815	0.856	0.903	0.929	0.948	0.967	0.977	0.985	0.990	0.994	0.996	0.998	0.999
5640.0	0.673	0.791	0.832	0.870	0.913	0.936	0.953	0.969	0.978	0.985	0.991	0.994	0.996	0.998	0.999
5650.0	0.738	0.825	0.853	0.905	0.942	0.958	0.968	0.978	0.984	0.990	0.994	0.996	0.998	0.999	1.000
5660.0	0.830	0.890	0.922	0.945	0.966	0.976	0.983	0.990	0.993	0.996	0.998	0.999	0.999	1.000	1.000
5670.0	0.861	0.911	0.937	0.955	0.972	0.981	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000
5680.0	0.889	0.930	0.951	0.966	0.978	0.985	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000
5690.0	0.877	0.922	0.945	0.962	0.976	0.983	0.989	0.994	0.996	0.997	0.999	0.999	1.000	1.000	1.000
5700.0	0.865	0.908	0.934	0.954	0.971	0.980	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000
5710.0	0.854	0.906	0.933	0.953	0.972	0.980	0.986	0.992	0.995	0.996	0.998	0.999	0.999	1.000	1.000
5720.0	0.862	0.912	0.937	0.956	0.973	0.981	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000
5730.0	0.873	0.921	0.943	0.960	0.975	0.983	0.988	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000
5740.0	0.878	0.923	0.945	0.962	0.976	0.984	0.989	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000
5750.0	0.892	0.931	0.951	0.966	0.978	0.985	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000
5760.0	0.907	0.941	0.958	0.971	0.982	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
5770.0	0.889	0.931	0.950	0.964	0.976	0.983	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000
5780.0	0.897	0.934	0.954	0.968	0.980	0.987	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
5790.0	0.907	0.941	0.958	0.971	0.982	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
5800.0	0.933	0.958	0.972	0.980	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
5810.0	0.927	0.955	0.969	0.978	0.987	0.991	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
5820.0	0.928	0.957	0.971	0.980	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
5830.0	0.938	0.962	0.974	0.982	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
5840.0	0.938	0.962	0.974	0.982	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
5850.0	0.950	0.969	0.979	0.986	0.992	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
5860.0	0.945	0.966	0.977	0.984	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
5870.0	0.941	0.963	0.975	0.983	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
5880.0	0.941	0.963	0.975	0.983	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
5890.0	0.945	0.965	0.976	0.983	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
5900.0	0.943	0.964	0.976	0.983	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
5910.0	0.971	0.983	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5920.0	0.965	0.978	0.985	0.990	0.994	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5930.0	0.961	0.976	0.984	0.990	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5940.0	0.955	0.972	0.981	0.987	0.992	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
5950.0	0.952	0.970	0.980	0.986	0.992	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
5960.0	0.944	0.965	0.976	0.983	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
5970.0	0.934	0.958	0.973	0.982	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
5980.0	0.930	0.956	0.970	0.979	0.987	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
5990.0	0.918	0.948	0.963	0.974	0.984	0.989	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000
6000.0	0.918	0.948	0.963	0.974	0.984	0.989	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
6010.0	0.912	0.944	0.960	0.972	0.983	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
6020.0	0.910	0.943	0.960	0.972	0.983	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
6030.0	0.903	0.938	0.956	0.969	0.981	0.987	0.991	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000
6040.0	0.906	0.940	0.958	0.970	0.982	0.987	0.991	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000
6050.0	0.906	0.940	0.959	0.970	0.982	0.987	0.991	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000
6060.0	0.925	0.952	0.966	0.976	0.986	0.990	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000
6070.0	0.936	0.958	0.971	0.980	0.987	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
6080.0	0.941	0.963	0.974	0.982	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
6090.0	0.943	0.965	0.976	0.984	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
6100.0	0.896	0.933	0.952	0.966	0.980	0.987	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000
6110.0	0.811	0.891	0.926	0.949	0.971	0.980	0.988	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000
6120.0	0.790	0.859	0.897	0.934	0.955	0.967	0.979	0.988	0.992	0.996	0.998	0.999	1.000	1.000	1.000
6130.0	0.858	0.907	0.935	0.953	0.970	0.979	0.985	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
6140.0	0.894	0.928	0.946	0.961	0.977	0.984	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000
6150.0	0.933	0.958	0.971	0.980	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
6160.0	0.941	0.963	0.975	0.983	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
6170.0	0.862	0.910	0.935	0.953	0.970	0.979	0.985	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
6180.0	0.848	0.903	0.929	0.950	0.968	0.977	0.984	0.990	0.993	0.996	0.998	0.999	0.999	1.000	1.000
6190.0	0.866	0.914	0.939	0.957	0.973	0.981	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000
6200.0	0.916	0.947	0.963	0.975	0.985	0.990	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000
6210.0	0.918	0.949	0.964	0.975	0.985	0.990	0.993	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000
6220.0	0.905	0.938	0.958	0.971	0.983	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
6230.0	0.859	0.908	0.935	0.954	0.971	0.980	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000
6240.0	0.811	0.874	0.909	0.933	0.959	0.971	0.980	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000
6250.0	0.799	0.866	0.903	0.931	0.958	0.969	0.979	0.987	0.991	0.994	0.997	0.998	0.999	0.999	1.000
6260.0	0.826	0.920	0.943	0.960	0.974	0.983	0.989	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000
6270.0	0.876	0.923	0.944	0.961	0.976	0.984	0.989	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000
6280.0	0.921	0.953	0.970	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
6290.0	0.943	0.965	0.976	0.984	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
6300.0	0.829	0.890	0.921	0.945	0.965	0.976	0.985	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000
6310.0	0.859	0.910	0.936	0.955	0.972	0.981	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000
6320.0	0.826	0.888	0.920	0.944	0.965	0.975	0.983	0.990	0.993	0.996	0.998	0.999	0.999	1.000	1.000
6330.0	0.739	0.826	0.876	0.910	0.943	0.960	0.972	0.983	0.989	0.993	0.996	0.998	0.999	0.999	1.000
6340.0	0.

WATER VAPOR AT 0.01 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER 20cm^{-1}

FREQ.	UNIT CM	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
8510.0		0.931	0.881	0.827	0.955	0.905	0.874	0.983	0.940	0.913	0.994	0.969	0.948	0.999	0.999	1.000
8520.0		0.939	0.894	0.846	0.960	0.917	0.889	0.986	0.950	0.923	0.995	0.973	0.954	0.999	0.999	1.000
8530.0		0.945	0.905	0.863	0.964	0.928	0.902	0.988	0.957	0.933	0.996	0.977	0.960	0.999	0.999	1.000
8540.0		0.950	0.914	0.877	0.968	0.937	0.913	0.990	0.963	0.941	0.997	0.980	0.965	0.999	1.000	1.000
8550.0		0.954	0.922	0.889	0.971	0.945	0.923	0.991	0.968	0.948	0.997	0.983	0.970	0.999	1.000	1.000
8560.0		0.958	0.929	0.900	0.973	0.951	0.932	0.992	0.972	0.954	0.998	0.985	0.974	0.999	1.000	1.000
8570.0		0.961	0.935	0.909	0.975	0.956	0.939	0.993	0.975	0.958	0.998	0.987	0.977	0.999	1.000	1.000
8580.0		0.964	0.940	0.917	0.977	0.960	0.945	0.994	0.977	0.962	0.998	0.989	0.980	0.999	1.000	1.000
8590.0		0.966	0.944	0.924	0.978	0.964	0.950	0.994	0.979	0.965	0.998	0.990	0.982	0.999	1.000	1.000
8600.0		0.969	0.948	0.930	0.980	0.967	0.954	0.995	0.980	0.967	0.998	0.991	0.984	0.999	1.000	1.000
8610.0		0.971	0.951	0.935	0.981	0.969	0.957	0.995	0.981	0.969	0.998	0.992	0.986	0.999	1.000	1.000
8620.0		0.973	0.954	0.940	0.982	0.971	0.960	0.996	0.982	0.971	0.998	0.993	0.988	0.999	1.000	1.000
8630.0		0.974	0.957	0.944	0.983	0.973	0.962	0.996	0.983	0.972	0.998	0.993	0.989	0.999	1.000	1.000
8640.0		0.976	0.959	0.947	0.984	0.974	0.964	0.996	0.984	0.973	0.998	0.994	0.990	0.999	1.000	1.000
8650.0		0.977	0.961	0.950	0.984	0.975	0.966	0.997	0.984	0.974	0.998	0.994	0.991	0.999	1.000	1.000
8660.0		0.978	0.963	0.952	0.985	0.976	0.967	0.997	0.985	0.975	0.998	0.995	0.992	0.999	1.000	1.000
8670.0		0.979	0.965	0.955	0.986	0.977	0.969	0.997	0.985	0.976	0.998	0.995	0.993	0.999	1.000	1.000
8680.0		0.980	0.967	0.957	0.986	0.978	0.970	0.997	0.986	0.976	0.998	0.995	0.993	0.999	1.000	1.000
8690.0		0.981	0.968	0.959	0.987	0.979	0.971	0.997	0.986	0.977	0.998	0.996	0.994	0.999	1.000	1.000
8700.0		0.982	0.970	0.961	0.987	0.979	0.972	0.998	0.987	0.977	0.998	0.996	0.994	0.999	1.000	1.000
8710.0		0.983	0.971	0.963	0.988	0.980	0.973	0.998	0.987	0.978	0.998	0.996	0.995	0.999	1.000	1.000
8720.0		0.984	0.972	0.964	0.988	0.981	0.974	0.998	0.987	0.978	0.998	0.996	0.995	0.999	1.000	1.000
8730.0		0.984	0.973	0.965	0.988	0.981	0.974	0.998	0.988	0.978	0.998	0.996	0.995	0.999	1.000	1.000
8740.0		0.985	0.974	0.966	0.989	0.982	0.975	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
8750.0		0.985	0.974	0.967	0.989	0.982	0.975	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
8760.0		0.986	0.975	0.968	0.989	0.982	0.976	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
8770.0		0.986	0.976	0.969	0.989	0.983	0.976	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
8780.0		0.987	0.976	0.969	0.990	0.983	0.977	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
8790.0		0.987	0.977	0.970	0.990	0.983	0.977	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
8800.0		0.987	0.977	0.970	0.990	0.983	0.977	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
8810.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
8820.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
8830.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
8840.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
8850.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
8860.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
8870.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
8880.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
8890.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
8900.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
8910.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
8920.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
8930.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
8940.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
8950.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
8960.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
8970.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
8980.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
8990.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9000.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9010.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9020.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9030.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9040.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9050.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9060.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9070.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9080.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9090.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9100.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9110.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9120.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9130.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9140.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9150.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9160.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9170.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9180.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9190.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9200.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9210.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9220.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9230.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9240.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9250.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9260.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9270.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9280.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9290.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9300.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9310.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9320.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9330.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9340.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9350.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9360.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9370.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9380.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9390.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9400.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9410.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9420.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9430.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9440.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9450.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9460.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9470.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9480.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9490.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9500.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9510.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9520.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9530.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9540.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9550.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9560.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9570.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9580.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9590.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9600.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9610.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9620.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9630.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9640.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9650.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9660.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9670.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9680.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9690.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9700.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9710.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9720.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9730.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000
9740.0		0.988	0.978	0.971	0.990	0.984	0.978	0.998	0.988	0.979	0.998	0.996	0.995	0.999	1.000	1.000

WATER VAPOR AT 1.00 ATMOSPHERE PRESSURE

T=250° K

AVERAGED OVER 20cm^{-1}

WATER VAPOR AT 1.00 ATMOSPHERE PRESSURE

T = 250° K

AVERAGED OVER 20cm^{-1}

WATER VAPOR AT 1.00 ATMOSPHERE PRESSURE

T=250° K

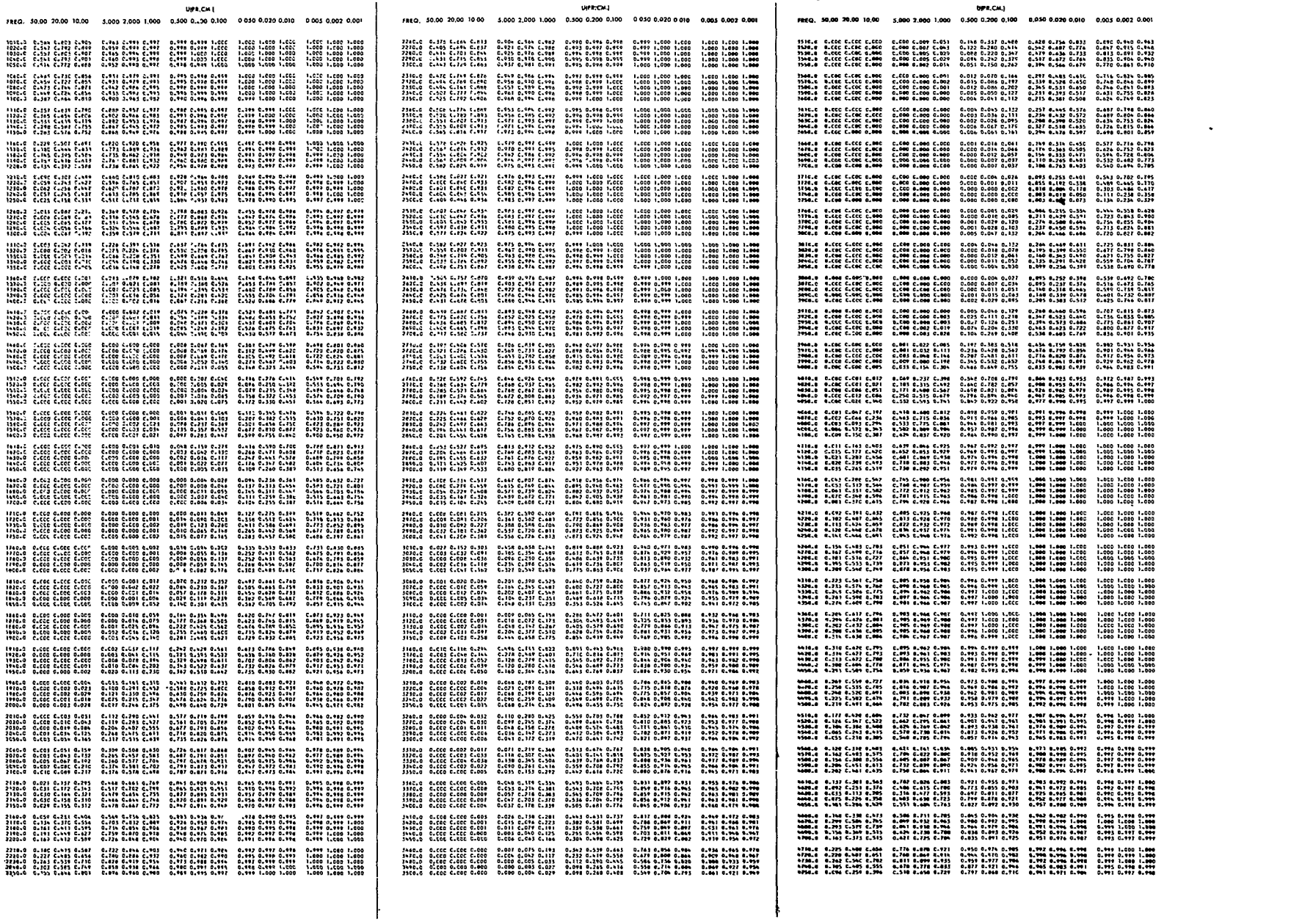
AVERAGED OVER 20cm^{-1}

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
UNITS															
4560.0	0.365	0.344	0.460	0.415	0.751	0.928	0.883	0.937	0.954	0.981	0.992	0.995	0.998	0.999	1.000
4570.0	0.379	0.369	0.502	0.427	0.761	0.937	0.893	0.945	0.958	0.983	0.993	0.997	0.998	0.999	1.000
4580.0	0.397	0.412	0.550	0.444	0.780	0.952	0.909	0.955	0.965	0.987	0.995	0.997	0.999	0.999	1.000
4590.0	0.417	0.457	0.603	0.464	0.798	0.961	0.924	0.964	0.972	0.989	0.996	0.998	0.999	1.000	1.000
4600.0	0.441	0.510	0.666	0.491	0.819	0.969	0.939	0.972	0.978	0.991	0.997	0.998	0.999	1.000	1.000
4610.0	0.473	0.579	0.735	0.527	0.846	0.978	0.956	0.980	0.984	0.993	0.998	0.999	0.999	1.000	1.000
4620.0	0.515	0.676	0.806	0.577	0.880	0.986	0.973	0.988	0.990	0.995	0.998	0.999	1.000	1.000	1.000
4630.0	0.574	0.800	0.880	0.646	0.918	0.992	0.985	0.994	0.994	0.997	0.999	0.999	1.000	1.000	1.000
4640.0	0.660	0.934	0.944	0.739	0.953	0.996	0.994	0.998	0.997	0.998	0.999	1.000	1.000	1.000	1.000
4650.0	0.781	0.997	0.984	0.850	0.978	0.998	0.999	1.000	0.999	0.999	1.000	1.000	1.000	1.000	1.000
4660.0	0.918	1.000	0.999	0.955	0.993	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4670.0	0.991	1.000	1.000	0.994	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4680.0	1.000	1.000	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4690.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4700.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4710.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4720.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4730.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4740.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4750.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4760.0	0.547	0.748	0.797	0.662	0.921	0.952	0.923	0.968	0.976	0.987	0.995	0.997	0.999	1.000	1.000
4770.0	0.551	0.723	0.808	0.673	0.931	0.960	0.935	0.970	0.980	0.990	0.995	0.998	0.999	1.000	1.000
4780.0	0.582	0.725	0.831	0.695	0.933	0.965	0.947	0.974	0.982	0.990	0.995	0.998	0.999	1.000	1.000
4790.0	0.616	0.695	0.873	0.717	0.934	0.969	0.957	0.976	0.984	0.991	0.996	0.998	0.999	1.000	1.000
4800.0	0.641	0.686	0.906	0.734	0.936	0.972	0.964	0.978	0.986	0.992	0.996	0.998	0.999	1.000	1.000
4810.0	0.673	0.739	0.930	0.756	0.940	0.975	0.969	0.980	0.987	0.993	0.996	0.998	0.999	1.000	1.000
4820.0	0.715	0.826	0.946	0.784	0.947	0.978	0.973	0.982	0.988	0.993	0.997	0.998	0.999	1.000	1.000
4830.0	0.774	0.919	0.958	0.824	0.956	0.981	0.976	0.984	0.989	0.994	0.997	0.998	0.999	1.000	1.000
4840.0	0.847	0.974	0.969	0.878	0.966	0.984	0.979	0.986	0.990	0.994	0.997	0.998	0.999	1.000	1.000
4850.0	0.917	0.997	0.979	0.926	0.974	0.987	0.982	0.988	0.991	0.995	0.997	0.999	0.999	1.000	1.000
4860.0	0.966	1.000	0.988	0.958	0.980	0.990	0.985	0.990	0.992	0.995	0.998	0.999	0.999	1.000	1.000
4870.0	0.989	1.000	0.995	0.977	0.985	0.992	0.988	0.992	0.993	0.996	0.998	0.999	0.999	1.000	1.000
4880.0	0.997	1.000	0.999	0.989	0.989	0.994	0.991	0.993	0.994	0.996	0.998	0.999	0.999	1.000	1.000
4890.0	0.999	1.000	1.000	0.995	0.992	0.995	0.993	0.994	0.995	0.997	0.998	0.999	0.999	1.000	1.000
4900.0	1.000	1.000	1.000	0.998	0.994	0.996	0.995	0.995	0.996	0.997	0.998	0.999	0.999	1.000	1.000
4910.0	1.000	1.000	1.000	0.999	0.996	0.997	0.996	0.996	0.996	0.997	0.998	0.999	0.999	1.000	1.000
4920.0	1.000	1.000	1.000	1.000	0.997	0.998	0.997	0.997	0.997	0.998	0.998	0.999	0.999	1.000	1.000
4930.0	1.000	1.000	1.000	1.000	0.998	0.998	0.998	0.997	0.997	0.998	0.998	0.999	0.999	1.000	1.000
4940.0	1.000	1.000	1.000	1.000	0.998	0.999	0.998	0.998	0.998	0.998	0.998	0.999	0.999	1.000	1.000
4950.0	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.998	0.998	0.998	0.998	0.999	0.999	1.000	1.000
4960.0	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.998	0.998	0.998	0.999	0.999	1.000	1.000
4970.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.998	0.998	0.999	0.999	1.000	1.000
4980.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.998	0.999	0.999	1.000	1.000
4990.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	1.000	1.000
5000.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	1.000	1.000

WATER VAPOR AT 0.50 ATMOSPHERE PRESSURE

T=250° K

AVERAGED OVER 20cm^{-1}



WATER VAPOR AT 0.50 ATMOSPHERE PRESSURE

T=250° K

AVERAGED OVER 20cm^{-1}

FREQ.	UPPR.CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
4760.0	0.155	0.152	0.492	0.803	0.716	0.782	0.932	0.885	0.929	0.954	0.972	0.988	0.993	0.997	0.999
4770.0	0.217	0.208	0.487	0.783	0.697	0.770	0.944	0.912	0.943	0.969	0.984	0.994	0.998	0.999	1.000
4780.0	0.215	0.193	0.521	0.763	0.699	0.768	0.952	0.930	0.955	0.978	0.988	0.996	0.999	1.000	1.000
4790.0	0.134	0.150	0.621	0.825	0.768	0.831	0.962	0.949	0.963	0.982	0.992	0.998	0.999	1.000	1.000
4800.0	0.112	0.311	0.939	0.973	0.961	0.959	0.984	0.972	0.975	0.988	0.995	0.999	1.000	1.000	1.000
4810.0	0.138	0.372	0.969	0.990	0.986	0.978	0.988	0.983	0.982	0.991	0.996	0.999	1.000	1.000	1.000
4820.0	0.268	0.537	0.988	0.996	0.992	0.982	0.990	0.986	0.985	0.993	0.997	0.999	1.000	1.000	1.000
4830.0	0.441	0.729	0.993	0.998	0.994	0.985	0.991	0.987	0.986	0.994	0.997	0.999	1.000	1.000	1.000
4840.0	0.593	0.846	0.995	0.998	0.995	0.987	0.992	0.988	0.987	0.994	0.998	0.999	1.000	1.000	1.000
4850.0	0.701	0.911	0.996	0.999	0.996	0.988	0.993	0.989	0.988	0.995	0.998	0.999	1.000	1.000	1.000
4860.0	0.764	0.948	0.997	0.999	0.996	0.989	0.993	0.990	0.989	0.995	0.998	0.999	1.000	1.000	1.000
4870.0	0.800	0.967	0.998	0.999	0.997	0.990	0.994	0.991	0.990	0.996	0.998	0.999	1.000	1.000	1.000
4880.0	0.820	0.977	0.998	0.999	0.997	0.990	0.994	0.991	0.990	0.996	0.998	0.999	1.000	1.000	1.000
4890.0	0.831	0.982	0.998	0.999	0.997	0.990	0.994	0.991	0.990	0.996	0.998	0.999	1.000	1.000	1.000
4900.0	0.837	0.985	0.998	0.999	0.997	0.990	0.994	0.991	0.990	0.996	0.998	0.999	1.000	1.000	1.000
4910.0	0.195	0.193	0.561	0.751	0.725	0.793	0.922	0.934	0.970	0.985	0.994	0.998	0.999	1.000	1.000
4920.0	0.193	0.193	0.535	0.747	0.702	0.780	0.943	0.926	0.964	0.982	0.993	0.998	0.999	1.000	1.000
4930.0	0.322	0.316	0.695	0.843	0.783	0.855	0.908	0.944	0.965	0.978	0.988	0.995	0.999	1.000	1.000
4940.0	0.501	0.494	0.821	0.943	0.898	0.944	0.917	0.950	0.974	0.985	0.993	0.997	0.999	1.000	1.000
4950.0	0.658	0.657	0.901	0.981	0.958	0.968	0.928	0.954	0.977	0.988	0.995	0.998	0.999	1.000	1.000
4960.0	0.752	0.759	0.930	0.978	0.970	0.975	0.932	0.958	0.978	0.988	0.994	0.997	0.999	1.000	1.000
4970.0	0.829	0.841	0.952	0.968	0.967	0.969	0.937	0.961	0.979	0.988	0.994	0.997	0.999	1.000	1.000
4980.0	0.874	0.890	0.962	0.964	0.963	0.963	0.941	0.963	0.980	0.988	0.994	0.997	0.999	1.000	1.000
4990.0	0.895	0.916	0.968	0.963	0.962	0.961	0.943	0.964	0.980	0.988	0.994	0.997	0.999	1.000	1.000
5000.0	0.899	0.923	0.970	0.963	0.962	0.960	0.944	0.964	0.980	0.988	0.994	0.997	0.999	1.000	1.000
5010.0	0.894	0.918	0.969	0.964	0.963	0.960	0.944	0.964	0.980	0.988	0.994	0.997	0.999	1.000	1.000
5020.0	0.883	0.909	0.967	0.966	0.965	0.962	0.945	0.965	0.980	0.988	0.994	0.997	0.999	1.000	1.000
5030.0	0.869	0.896	0.964	0.968	0.967	0.964	0.946	0.965	0.980	0.988	0.994	0.997	0.999	1.000	1.000
5040.0	0.853	0.882	0.960	0.970	0.969	0.966	0.947	0.966	0.981	0.988	0.994	0.997	0.999	1.000	1.000
5050.0	0.837	0.867	0.956	0.971	0.971	0.968	0.948	0.967	0.981	0.989	0.994	0.997	0.999	1.000	1.000
5060.0	0.822	0.853	0.952	0.973	0.973	0.970	0.950	0.968	0.982	0.989	0.995	0.998	0.999	1.000	1.000
5070.0	0.808	0.840	0.947	0.974	0.975	0.972	0.952	0.969	0.982	0.990	0.995	0.998	0.999	1.000	1.000
5080.0	0.796	0.828	0.943	0.975	0.977	0.974	0.954	0.970	0.983	0.990	0.995	0.998	0.999	1.000	1.000
5090.0	0.786	0.818	0.939	0.976	0.978	0.976	0.956	0.971	0.984	0.991	0.995	0.998	0.999	1.000	1.000
5100.0	0.778	0.809	0.935	0.977	0.980	0.978	0.958	0.973	0.985	0.991	0.996	0.998	0.999	1.000	1.000
5110.0	0.771	0.801	0.931	0.978	0.981	0.979	0.960	0.974	0.985	0.992	0.996	0.998	0.999	1.000	1.000
5120.0	0.765	0.794	0.927	0.979	0.982	0.981	0.962	0.975	0.986	0.992	0.996	0.998	0.999	1.000	1.000
5130.0	0.760	0.788	0.923	0.979	0.983	0.982	0.964	0.976	0.987	0.993	0.996	0.998	0.999	1.000	1.000
5140.0	0.756	0.782	0.919	0.980	0.984	0.983	0.965	0.977	0.987	0.993	0.996	0.998	0.999	1.000	1.000
5150.0	0.752	0.777	0.915	0.980	0.984	0.984	0.966	0.978	0.988	0.993	0.996	0.998	0.999	1.000	1.000
5160.0	0.749	0.772	0.911	0.980	0.985	0.985	0.967	0.978	0.988	0.993	0.996	0.998	0.999	1.000	1.000
5170.0	0.746	0.767	0.907	0.980	0.985	0.985	0.968	0.979	0.988	0.993	0.996	0.998	0.999	1.000	1.000
5180.0	0.744	0.763	0.903	0.980	0.985	0.986	0.969	0.979	0.989	0.993	0.996	0.998	0.999	1.000	1.000
5190.0	0.742	0.759	0.899	0.980	0.985	0.986	0.969	0.979	0.989	0.993	0.996	0.998	0.999	1.000	1.000
5200.0	0.740	0.755	0.895	0.980	0.985	0.986	0.969	0.979	0.989	0.993	0.996	0.998	0.999	1.000	1.000
5210.	0.738	0.751	0.891	0.980	0.985	0.986	0.969	0.979	0.989	0.993	0.996	0.998	0.999	1.000	1.000
5220.	0.737	0.748	0.887	0.980	0.985	0.986	0.969	0.979	0.989	0.993	0.996	0.998	0.999	1.000	1.000
5230.	0.736	0.745	0.883	0.980	0.985	0.986	0.969	0.979	0.989	0.993	0.996	0.998	0.999	1.000	1.000
5240.	0.735	0.743	0.879	0.980	0.985	0.986	0.969	0.979	0.989	0.993	0.996	0.998	0.999	1.000	1.000
5250.	0.734	0.741	0.875	0.980	0.985	0.986	0.969	0.979	0.989	0.993	0.996	0.998	0.999	1.000	1.000
5260.	0.734	0.739	0.871	0.980	0.985	0.986	0.969	0.979	0.989	0.993	0.996	0.998	0.999	1.000	1.000
5270.	0.733	0.738	0.867	0.980	0.985	0.986	0.969	0.979	0.989	0.993	0.996	0.998	0.999	1.000	1.000
5280.	0.733	0.737	0.863	0.980	0.985	0.986	0.969	0.979	0.989	0.993	0.996	0.998	0.999	1.000	1.000
5290.	0.733	0.736	0.859	0.980	0.985	0.986	0.969	0.979	0.989	0.993	0.996	0.998	0.999	1.000	1.000
5300.	0.733	0.736	0.855	0.980	0.985	0.986	0.969	0.979	0.989	0.993	0.996	0.998	0.999	1.000	1.000
5310.	0.733	0.736	0.851	0.980	0.985	0.986	0.969	0.979	0.989	0.993	0.996	0.998	0.999	1.000	1.000
5320.	0.733	0.736	0.847	0.980	0.985	0.986	0.969	0.979	0.989	0.993	0.996	0.998	0.999	1.000	1.000
5330.	0.733	0.736	0.843	0.980	0.985	0.986	0.969	0.979	0.989	0.993	0.996	0.998	0.999	1.000	1.000
5340.	0.733	0.736	0.839	0.980	0.985	0.986	0.969	0.979	0.989	0.993	0.996	0.998	0.999	1.000	1.000
5350.	0.733	0.736	0.835	0.980	0.985	0.986	0.969	0.979	0.989	0.993	0.996	0.998	0.999	1.000	1.000
5360.	0.733	0.736	0.831	0.980	0.985	0.986	0.969	0.979	0.989	0.993	0.996	0.998	0.999	1.000	1.000
5370.	0.733	0.736	0.827	0.980	0.985	0.986	0.969	0.979	0.989	0.993	0.996	0.998	0.999	1.000	1.000
5380.	0.733	0.736	0.823	0.980	0.985	0.986	0.969	0.979	0.989	0.993	0.996	0.998	0.999	1.000	1.000
5390.	0.733	0.736	0.819	0.980	0.985	0.986	0.969	0.979	0.989	0.993	0.996	0.998	0.999	1.000	1.000
5400.0	0.733	0.736	0.815	0.980	0.985	0.986	0.969	0.979	0.989	0.993	0.996	0.998	0.999	1.000	1.000

FREQ.	UPPR.CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
4010.0	0.511	0.406	0.691	0.868	0.825	0.851	0.970	0.945	0.952	0.976	0.998	0.999	1.000	1.000	1.000
4020.0	0.447	0.462	0.794	0.867	0.821	0.844	0.968	0.965	0.962	0.980	0.997	0.999	1.000	1.000	1.000
4030.0	0.444	0.479	0.784	0.859	0.803	0.834	0.956	0.958	0.958	0.980	0.997	0.999	1.000	1.000	1.000
4040.0	0.492	0.621	0.737	0.815	0.769	0.824	0.951	0.975	0.966	0.982	0.997	0.998	0.999	1.000	1.000
4050.0	0.621	0.787	0.823	0.812	0.788	0.823	0.951	0.975	0.966	0.982	0.997	0.998	0.999	1.000	1.000
4060.0	0.721	0.826	0.909	0.886	0.823	0.849	0.968	0.984	0.981	0.985	0.994	0.999	1.000	1.000	1.000
4070.0	0.767	0.763	0.929	0.895	0.835	0.858	0.973	0.986	0.982	0.986	0.998	0.999	1.000	1.000	1.000
4080.0	0.683	0.678	0.903	0.942	0.896	0.920	0.987	0.993	0.987	0.988	0.999	1.000	1.000	1.000	1.000
4090.0	0.442	0.496	0.634	0.957	0.924	0.948	0.994	0.997	0.989	0.998	0.999	1.000	1.000	1.000	1.000
4100.0	0.336	0.500	0.656	0.705	0.893	0.962	0.960	0.994	0.975	0.967	0.995	0.997	0.999	1.000	1.000
4110.0	0.296	0.542	0.725	0.633	0.782	0.881	0.903	0.958	0.973	0.983	0.994	0.997	0.999	1.000	1.000
4120.0	0.296	0.542	0.725	0.633	0.782	0.881	0.903	0.958	0.973	0.983	0.994	0.997	0.999	1.000	1.000
4130.0	0.446	0.693	0.828	0.781	0.865	0.931	0.943	0.973	0.985	0.992	0.997	0.999	1.000	1.000	1.000
4140.0	0.644	0.821	0.896	0.886	0.929	0.964	0.973	0.985	0.991	0.995	0.998	0.999	1.000	1.000	1.000
4150.0	0.836	0.904	0.944	0.941	0.957	0.978	0.987	0.992	0.995	0.997	0.999	1.000	1.000	1.000	1.000
4160.0	0.946	0.951	0.973	0.972	0.973	0.986	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
4170.0	0.983	0.977	0.987	0.984	0.982	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
4180.0	0.994	0.987	0.992	0.989	0.986	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
4190.0	0.997	0.992	0.995	0.992	0.989	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4200.0	0.998	0.995	0.997	0.994	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4210.0	0.998	0.997	0.998	0.995	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4220.0	0.999	0.998	0.999	0.996	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4230.0	0.999	0.998	0.999	0.997	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4240.0	0.999	0.999	0.999	0.997	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4250.0	0.999	0.999	0.999	0.998	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4260.0	0.999	0.999	0.999	0.998	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4270.0	0.999	0.999	0.999	0.998	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4280.0	0.999	0.999	0.999	0.998	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4290.0	0.999	0.999	0.999	0.998	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4300.0	0.999	0.999	0.999	0.998	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4310.0	0.999	0.999	0.999	0.998	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4320.0	0.999	0.999	0.999	0.998	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4330.0	0.999	0.999	0.999	0.998	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4340.0	0.999	0.999	0.999	0.998	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4350.0	0.999	0.999	0.999	0.998	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4360.0	0.999	0.999	0.999	0.998	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4370.0	0.999	0.999	0.999	0.998	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4380.0	0.999	0.999	0.999	0.998	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4390.0	0.999	0.999	0.999	0.998	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4400.0	0.999	0.999	0.999	0.998	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4410.0	0.999	0.999	0.999	0.998	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4420.0	0.999	0.999	0.999	0.998	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4430.0	0.999	0.999	0.999	0.998	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4440.0	0.999	0.999	0.999	0.998	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4450.0	0.999	0.999	0.999	0.998	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4460.0	0.999	0.999	0.999	0.998	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4470.0	0.999	0.999	0.999	0.998	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4480.0	0.999	0.999	0.999	0.998	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4490.0	0.999	0.999	0.999	0.998	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4500.0	0.999	0.999	0.999	0.998	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

FREQ.	UPPR.CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
7260.0	0.000	0.000	0.000	0.002	0.019	0.110	0.234	0.367	0.513	0.692	0.864	0.944	0.974	0.993	0.998
7270.0	0.000	0.000	0.001	0.002	0.016	0.112	0.242	0.394	0.563	0.695	0.868	0.947	0.975	0.993	0.998
7280.0	0.000	0.000	0.001	0.002	0.015	0.114	0.248	0.421	0.598	0.707	0.872	0.949	0.976	0.993	0.998
7290.0	0.000	0.000	0.001	0.002	0.015	0.113	0.249	0.399	0.573	0.685	0.858	0.945	0.974	0.992	0.998
7300.0	0.000	0.000	0.002	0.002	0.016	0.091	0.206	0.357	0.544	0.669	0.849	0.942	0.973	0.992	0.998
7310.0	0.000	0.000	0.000	0.000	0.000	0.059	0.158	0.293	0.463	0.616	0.817	0.926	0.968	0.990	0.995
7320.0	0.000	0.000	0.000	0.000	0.000	0.037	0.099	0.196	0.330	0.514	0.763	0.896	0.959	0.987	0.994
7330.0	0.000	0.000	0.000	0.000	0.000	0.025	0.062	0.104	0.245	0.407	0.684	0.855	0.938	0.980	0.992
7340.0	0.000	0.000	0.000	0.000	0.000	0.015	0.039	0.060	0.237	0.176	0.564	0.811	0.914	0.969	0.989
7350.0	0.000	0.000	0.000	0.000	0.000	0.009	0.024	0.043	0.118	0.235	0.413	0.749	0.882	0.949	0.983
7360.0	0.000	0.000	0.000	0.000	0.000	0.005	0.014	0.025	0.067	0.135	0.237	0.631	0.835	0.919	0.971
7370.0	0.000	0.000	0.000	0.000	0.000	0.003	0.008	0.014	0.038	0.076	0.134	0.500	0.775	0.879	0.954
7380.0	0.000	0.000	0.000	0.000	0.000	0.002	0.004	0.008	0.021	0.043	0.076	0.396	0.705	0.830	0.929
7390.0	0.000	0.000	0.000	0.000	0.000	0.001	0.002	0.004	0.012	0.024	0.043	0.313	0.635	0.773	0.896
7400.0	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.006	0.013	0.024	0.247	0.564	0.709	0.854
7410.0	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.003	0.007	0.013	0.194	0.494	0.639	0.804
7420.0	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.004	0.007	0.151	0.426	0.565	0.747
7430.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.004	0.117	0.362	0.490	0.685
7440.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.090	0.305	0.415	0.618
7450.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.069	0.255	0.348	0.548
7460.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.053	0.211	0.289	0.476
7470.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.174	0.238	0.403
7480.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.143	0.195	0.338
7490.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.022	0.117	0.159	0.282
7500.0	0.000	0.001	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.095	0.129	0.234
7510.0	0.000	0.001	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.077	0.104	0.193
7520.0	0.000	0.001	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.062	0.083	0.158
7530.0	0.000	0.001	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.049	0.065	0.128
7540.0	0.000	0.001	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.038	0.050	0.102
7550.0	0.000	0.001	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.029	0.038	0.080
7560.0	0.000	0.001	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.022	0.028	0.062
7570.0	0.000	0.001	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.016	0.021	0.048
7580.0	0.000	0.001	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.012	0.016	0.037
7590.0	0.000	0.001	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.009	0.012	0.028
7600.0	0.000	0.001	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.007	0.009	0.021
7610.0	0.000	0.001	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.005	0.007	0.016
7620.0	0.000	0.001	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.004	0.005	0.012
7630.0	0.000	0.001	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.004	0.009
7640.0	0.000	0.001	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.003	0.007
7650.0	0.000	0.001	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002	0.005
7660.0	0.000	0.001	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.002	0.004
7670.0	0.000	0.001	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.003

WATER VAPOR AT 0.50 · ATMOSPHERE PRESSURE

T=250° K

AVERAGED OVER 20cm^{-1}

WATER VAPOR AT 0.20 ATMOSPHERE PRESSURE

T=250° K

AVERAGED OVER .20cm^{-1}

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1010.0	0.788	0.920	0.966	0.986	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1020.0	0.775	0.913	0.963	0.984	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1030.0	0.787	0.925	0.972	0.991	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1040.0	0.778	0.918	0.968	0.989	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1050.0	0.758	0.905	0.959	0.984	0.994	0.997	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1060.0	0.714	0.873	0.937	0.969	0.986	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1070.0	0.713	0.873	0.938	0.970	0.987	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1080.0	0.732	0.890	0.951	0.981	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1090.0	0.732	0.887	0.942	0.976	0.989	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1100.0	0.693	0.855	0.911	0.954	0.976	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
1110.0	0.624	0.811	0.884	0.947	0.972	0.987	0.989	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000
1120.0	0.633	0.818	0.891	0.954	0.980	0.989	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
1130.0	0.600	0.804	0.892	0.944	0.972	0.982	0.989	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000
1140.0	0.647	0.838	0.915	0.952	0.966	0.979	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
1150.0	0.557	0.773	0.875	0.932	0.969	0.981	0.986	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000
1160.0	0.490	0.735	0.850	0.949	0.968	0.986	0.991	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000
1170.0	0.427	0.660	0.786	0.867	0.928	0.954	0.971	0.985	0.991	0.995	0.998	0.999	1.000	1.000	1.000
1180.0	0.381	0.620	0.753	0.841	0.911	0.942	0.962	0.979	0.987	0.993	0.997	0.998	0.999	1.000	1.000
1190.0	0.341	0.582	0.722	0.824	0.907	0.953	0.974	0.990	0.995	0.998	0.999	0.999	1.000	1.000	1.000
1200.0	0.378	0.628	0.784	0.885	0.948	0.968	0.985	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000
1210.0	0.295	0.562	0.691	0.795	0.882	0.920	0.946	0.971	0.983	0.990	0.996	0.998	0.999	1.000	1.000
1220.0	0.231	0.469	0.627	0.765	0.849	0.897	0.931	0.962	0.977	0.987	0.995	0.997	0.998	0.999	1.000
1230.0	0.247	0.478	0.644	0.784	0.865	0.910	0.940	0.968	0.981	0.990	0.996	0.998	0.999	1.000	1.000
1240.0	0.232	0.476	0.638	0.781	0.864	0.911	0.941	0.967	0.980	0.988	0.994	0.997	0.998	1.000	1.000
1250.0	0.194	0.372	0.514	0.698	0.813	0.877	0.918	0.960	0.977	0.987	0.995	0.998	0.999	1.000	1.000
1260.0	0.282	0.245	0.400	0.351	0.708	0.793	0.856	0.941	0.964	0.982	0.988	0.994	0.997	0.999	1.000
1270.0	0.063	0.216	0.366	0.318	0.683	0.776	0.841	0.926	0.958	0.978	0.987	0.993	0.997	0.999	1.000
1280.0	0.053	0.228	0.359	0.311	0.683	0.778	0.844	0.930	0.961	0.980	0.989	0.994	0.997	0.999	1.000
1290.0	0.051	0.219	0.353	0.311	0.684	0.783	0.848	0.933	0.963	0.981	0.990	0.995	0.997	0.999	1.000
1300.0	0.062	0.228	0.340	0.344	0.712	0.802	0.865	0.941	0.970	0.985	0.992	0.996	0.998	0.999	1.000
1310.0	0.035	0.142	0.244	0.268	0.528	0.635	0.735	0.853	0.905	0.952	0.972	0.986	0.992	0.996	0.998
1320.0	0.031	0.028	0.095	0.208	0.394	0.531	0.651	0.808	0.882	0.936	0.963	0.981	0.990	0.995	0.997
1330.0	0.051	0.024	0.084	0.193	0.368	0.503	0.629	0.792	0.876	0.932	0.961	0.980	0.989	0.994	0.997
1340.0	0.050	0.018	0.076	0.179	0.353	0.491	0.618	0.784	0.871	0.929	0.960	0.980	0.989	0.994	0.997
1350.0	0.030	0.011	0.054	0.142	0.307	0.442	0.569	0.731	0.795	0.858	0.915	0.944	0.964	0.982	0.990
1360.0	0.040	0.003	0.022	0.075	0.211	0.344	0.482	0.645	0.744	0.820	0.880	0.926	0.951	0.971	0.984
1370.0	0.030	0.000	0.002	0.037	0.139	0.259	0.378	0.554	0.665	0.757	0.844	0.894	0.926	0.960	0.976
1380.0	0.020	0.000	0.000	0.022	0.109	0.224	0.347	0.523	0.640	0.737	0.829	0.882	0.919	0.956	0.974
1390.0	0.020	0.000	0.000	0.015	0.072	0.152	0.267	0.439	0.562	0.663	0.773	0.834	0.879	0.933	0.959
1400.0	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1410.0	0.020	0.000	0.000	0.000	0.024	0.094	0.220	0.388	0.524	0.640	0.771	0.838	0.889	0.933	0.956
1420.0	0.000	0.000	0.000	0.001	0.018	0.071	0.173	0.356	0.496	0.623	0.754	0.826	0.879	0.923	0.952
1430.0	0.000	0.000	0.000	0.000	0.016	0.067	0.163	0.347	0.489	0.617	0.749	0.823	0.877	0.922	0.951
1440.0	0.000	0.000	0.000	0.001	0.032	0.112	0.238	0.417	0.544	0.655	0.768	0.833	0.882	0.927	0.953
1450.0	0.000	0.000	0.000	0.001	0.025	0.104	0.230	0.413	0.544	0.662	0.774	0.836	0.884	0.928	0.954
1460.0	0.000	0.000	0.000	0.000	0.001	0.014	0.060	0.211	0.350	0.469	0.604	0.692	0.761	0.837	0.885
1470.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1480.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1490.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1500.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1510.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1520.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1530.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1540.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1550.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1560.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1570.0	0.000	0.000	0.000	0.000	0.000	0.001	0.010	0.037	0.125	0.239	0.368	0.536	0.651	0.761	0.830
1580.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1590.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1600.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1610.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1620.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1630.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1640.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1650.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1660.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1670.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1680.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1690.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1700.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1710.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1720.0	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.004	0.155	0.268	0.430	0.567	0.685	0.761	0.826
1730.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1740.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1750.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1760.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1770.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1780.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1790.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1800.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1810.0	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.028	0.094	0.205	0.388	0.529	0.643	0.736	0.803
1820.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1830.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1840.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1850.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1860.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1870.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1880.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1890.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1900.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1910.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1920.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1930.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1940.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1950.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1960.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1970.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1980.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1990.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2010.0	0.003	0.049	0.147	0.284	0.479	0.604	0.709	0.818	0.883	0.927	0.954	0.971	0.982	0.991	0.995
2020.0	0.009	0.060	0.149	0.296	0.499	0.624	0.729	0.836	0.898	0.938	0.962	0.976	0.985	0.992	0.996
2030.0	0.019	0.111	0.242	0.393	0.598	0.695	0.777	0.859	0.905	0.942	0.964	0.978	0.986	0.992	0.996
2040.0	0.013	0.107	0.240	0.390	0.596	0.693	0.776	0.858	0.905	0.942	0.964	0.978	0.986	0.992	0.996
2050.0	0.052	0.207	0.360	0.505	0.661	0.749	0.816	0.893	0.931	0.961	0.974	0.985	0.990	0.994	0.997
2060.0	0.049	0.199	0.351	0.496	0.652	0.741	0.808	0.886	0.929	0.958	0.973	0.984	0.990	0.994	0.997
2070.0	0.062	0.168	0.304	0.454	0.626	0.720	0.792	0.875	0.921	0.954	0.971	0.983	0.989	0.994	0.997
2080.0	0.045	0.136	0.272	0.425	0.596	0.692	0.767	0.853	0.904	0.944	0.966	0.980	0.988	0.993	0.997
2090.0	0.063	0.162	0.277	0.425	0.586	0.677	0.754	0.843	0.897	0.939	0.963	0.978	0.987	0.993	0.997
2100.0	0.084	0.258	0.414	0.560	0.712	0.793	0.853	0.909	0.939	0.960	0.978	0.987	0.992	0.994	0.998
2110.0	0.137	0.338	0.501	0.641	0.776	0.843	0.891	0.935	0.957	0.973	0.986	0.992	0.996	0.998	0.999
2120.0	0.166	0.387	0.547	0.679	0.802	0.862	0.906	0.944	0.964	0.978	0.988	0.993	0.996	0.998	0.999
2130.0	0.159	0.376	0.541	0.677	0.801	0.861	0.905	0.943	0.963	0.977	0.987	0.993	0.996	0.998	0.999
2140.0	0.153	0.369	0.535	0.672	0.798	0.859	0.903	0.942	0.962	0.977	0.987	0.993	0.996	0.998	0.999
2150.0	0.142	0.351	0.519	0.662	0.792	0.853	0.899	0.940	0.961	0.976	0.986	0.992	0.996	0.998	0.999
2160.0	0.224	0.447	0.597	0.726	0.827	0.876	0.916	0.952	0.969	0.981	0.991	0.995	0.997	0.999	0.999
2170.0	0.261	0.496	0.636	0.760	0.858	0.901	0.935	0.963	0.976	0.986	0.993	0.996	0.998	0.999	1.000
2180.0	0.243	0.473	0.616	0.741	0.845	0.892	0.929	0.958	0.973	0.984	0.992	0.996	0.998	0.999	1.000
2190.0	0.242	0.474	0.619	0.744	0.848	0.894	0.931	0.959	0.974	0.984	0.992	0.996	0.998	0.999	1.000
2200.0	0.242	0.474	0.619	0.744	0.848	0.894	0.931	0.959	0.974	0.984	0.992	0.996	0.998	0.999	1.000
2210.0	0.205	0.420	0.737	0.823	0.893	0.928	0.953	0.975	0.985	0.992	0.997	0.998	0.999	1.000	1.000
2220.0	0.172	0.693	0.790	0.863	0.920	0.947	0.966	0.981	0.989	0.995	0.998	0.999	1.000	1.000	1.000
2230.0	0.326	0.735	0.854	0.898	0.943	0.964	0.978	0.987	0.993	0.997	0.999	1.000	1.000	1.000	1.000
2240.0	0.268	0.737	0.863	0.910	0.952	0.972	0.983	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2250.0	0.478	0.821	0.901	0.946	0.977	0.983	0.990	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
2260.0	0.447	0.853	0.909	0.951	0.975	0.985	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2270.0	0.477	0.856	0.925	0.962	0.981	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2280.0	0.480	0.859	0.928	0.963	0.982	0.990	0.994	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2290.0	0.496	0.869	0.935	0.967	0.984	0.991	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2300.0	0.710	0.898	0.962	0.981	0.988	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2310.0	0.737	0.882	0.957	0.977	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2320.0	0.753	0.906	0.961	0.983	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2330.0	0.752	0.902	0.960	0.982	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2340.0	0.762	0.908	0.963	0.983	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2350.0	0.778	0.918	0.971	0.988	0.994	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2360.0	0.761	0.904	0.959	0.980	0.990	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2370.0	0.772	0.911	0.962	0.982	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2380.0	0.798	0.931	0.975	0.991	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2390.0	0.801	0.932	0.976	0.990	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2400.0	0.810	0.935	0.978	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2410.0	0.822	0.942	0.983	0.993	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2420.0	0.810	0.933	0.976	0.990	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2430.0	0.798	0.927	0.968	0.983	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2440.0	0.824	0.941	0.978	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2450.0	0.823	0.935	0.979	0.991	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2460.0	0.823	0.935	0.979	0.991	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2470.0	0.835	0.946	0.985	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2480.0	0.845	0.951	0.986	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2490.0	0.845	0.951	0.986	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2500.0	0.847	0.953	0.988	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2510.0	0.845	0.951	0.987	0.994	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2520.0	0.842	0.953	0.987	0.994	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2530.0	0.847	0.953	0.988	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2540.0	0.847	0.953	0.988	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2550.0	0.847	0.953	0.988	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2560.0	0.846	0.952	0.987	0.994	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2570.0	0.844	0.952	0.987	0.994	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2580.0	0.843	0.951	0.987	0.994	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2590.0	0.843	0.951	0.987

WATER VAPOR AT 0.20 ATMOSPHERE PRESSURE

T=250° K

AVERAGED OVER 20cm^{-1}

WATER VAPOR AT 0.20 ATMOSPHERE PRESSURE

T=250° K

AVERAGED OVER 20cm^{-1}

WATER VAPOR AT 0.10 ATMOSPHERE PRESSURE

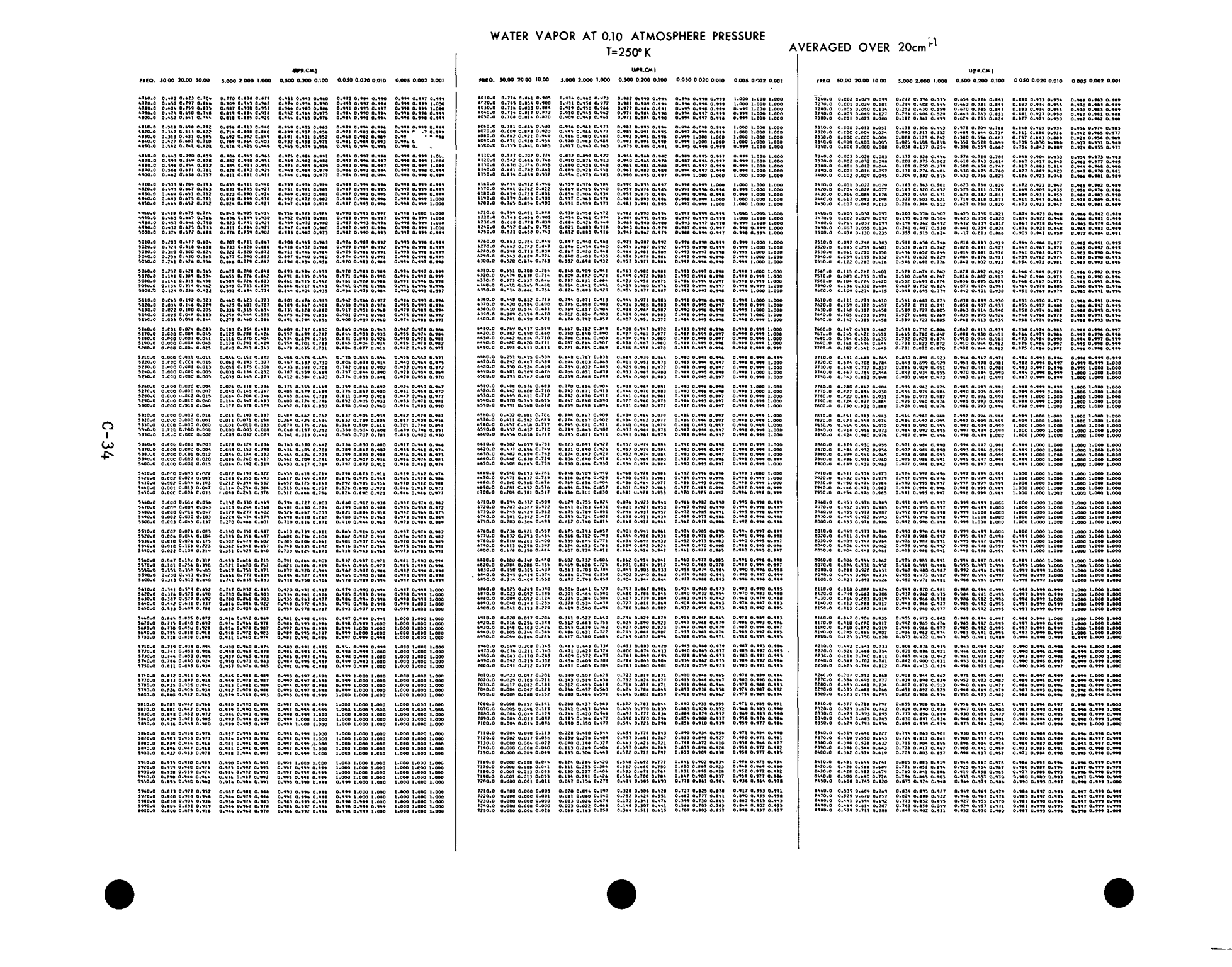
T=250° K

AVERAGED OVER 20cm^{-1}

WATER VAPOR AT 0.10 ATMOSPHERE PRESSURE

T=250°K

AVERAGED OVER 20cm^{-1}



WATER VAPOR AT 0.10 ATMOSPHERE PRESSURE
T=250°K
AVERAGED OVER 20cm^{-1}

FREQ.	UPR.CM) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
															ν
8510.0	0.564	0.701	0.782	0.843	0.900	0.931	0.952	0.971	0.981	0.987	0.993	0.996	0.998	0.999	1.000
8520.0	0.575	0.711	0.790	0.849	0.904	0.933	0.954	0.973	0.982	0.988	0.994	0.997	0.998	0.999	1.000
8530.0	0.623	0.744	0.819	0.870	0.918	0.943	0.963	0.978	0.985	0.990	0.995	0.998	0.999	0.999	1.000
8540.0	0.547	0.688	0.770	0.834	0.895	0.927	0.950	0.971	0.981	0.989	0.995	0.997	0.999	0.999	1.000
8550.0	0.569	0.698	0.766	0.831	0.893	0.926	0.950	0.971	0.982	0.990	0.995	0.997	0.999	0.999	1.000
8560.0	0.617	0.733	0.801	0.855	0.907	0.935	0.955	0.974	0.984	0.991	0.995	0.998	0.999	0.999	1.000
8570.0	0.660	0.764	0.828	0.875	0.920	0.945	0.962	0.978	0.987	0.991	0.997	0.999	0.999	1.000	1.000
8580.0	0.641	0.776	0.852	0.879	0.923	0.947	0.964	0.980	0.988	0.993	0.997	0.999	1.000	1.000	1.000
8590.0	0.631	0.768	0.845	0.867	0.916	0.941	0.960	0.977	0.986	0.992	0.996	0.998	0.999	1.000	1.000
8600.0	0.531	0.673	0.765	0.830	0.893	0.926	0.949	0.971	0.982	0.990	0.995	0.998	0.999	1.000	1.000
8610.0	0.571	0.712	0.792	0.853	0.910	0.938	0.958	0.978	0.987	0.992	0.997	0.998	0.999	1.000	1.000
8620.0	0.529	0.692	0.778	0.826	0.893	0.925	0.948	0.971	0.981	0.989	0.995	0.997	0.999	1.000	1.000
8630.0	0.464	0.601	0.702	0.765	0.845	0.905	0.936	0.965	0.977	0.986	0.994	0.997	0.999	1.000	1.000
8640.0	0.492	0.650	0.751	0.812	0.882	0.922	0.944	0.968	0.980	0.989	0.995	0.998	0.999	1.000	1.000
8650.0	0.462	0.623	0.721	0.798	0.872	0.917	0.940	0.966	0.978	0.988	0.995	0.998	0.999	1.000	1.000
8660.0	0.427	0.596	0.701	0.783	0.863	0.905	0.935	0.963	0.976	0.985	0.993	0.996	0.998	0.999	1.000
8670.0	0.465	0.624	0.722	0.769	0.871	0.910	0.938	0.964	0.977	0.986	0.993	0.996	0.998	0.999	1.000
8680.0	0.542	0.722	0.838	0.751	0.826	0.875	0.913	0.948	0.966	0.978	0.988	0.993	0.996	0.998	0.999
8690.0	0.327	0.500	0.618	0.716	0.813	0.869	0.909	0.945	0.964	0.977	0.988	0.992	0.996	0.998	0.999
8700.0	0.392	0.559	0.678	0.766	0.850	0.903	0.928	0.957	0.972	0.983	0.991	0.994	0.997	0.999	0.999
8710.0	0.415	0.584	0.696	0.780	0.860	0.903	0.934	0.962	0.975	0.984	0.992	0.995	0.997	0.999	1.000
8720.0	0.451	0.613	0.727	0.797	0.873	0.913	0.941	0.966	0.978	0.986	0.993	0.996	0.998	0.999	1.000
8730.0	0.363	0.536	0.658	0.745	0.836	0.890	0.924	0.954	0.970	0.982	0.991	0.995	0.997	0.999	0.999
8740.0	0.380	0.548	0.658	0.748	0.834	0.884	0.920	0.951	0.967	0.978	0.987	0.992	0.995	0.998	0.999
8750.0	0.416	0.579	0.683	0.766	0.849	0.894	0.927	0.957	0.972	0.982	0.990	0.994	0.996	0.999	0.999
8760.0	0.421	0.582	0.693	0.767	0.850	0.896	0.927	0.957	0.972	0.982	0.990	0.994	0.997	0.999	0.999
8770.0	0.390	0.561	0.671	0.743	0.834	0.887	0.922	0.954	0.969	0.980	0.989	0.993	0.996	0.998	1.000
8780.0	0.360	0.539	0.654	0.709	0.815	0.873	0.915	0.951	0.971	0.983	0.991	0.995	0.997	0.999	0.999
8790.0	0.339	0.521	0.641	0.693	0.802	0.865	0.911	0.949	0.969	0.982	0.991	0.995	0.997	0.999	0.999
8800.0	0.049	0.134	0.228	0.335	0.489	0.598	0.694	0.795	0.852	0.897	0.938	0.959	0.976	0.987	0.993
8810.0	0.064	0.161	0.257	0.365	0.513	0.618	0.709	0.804	0.859	0.900	0.939	0.959	0.976	0.987	0.993
8820.0	0.168	0.318	0.431	0.503	0.626	0.709	0.787	0.861	0.900	0.930	0.958	0.974	0.986	0.992	0.996
8830.0	0.314	0.454	0.554	0.591	0.681	0.754	0.817	0.885	0.919	0.945	0.967	0.979	0.990	0.995	0.998
8840.0	0.367	0.504	0.604	0.642	0.728	0.788	0.835	0.903	0.935	0.960	0.976	0.986	0.993	0.997	0.999
8850.0	0.442	0.562	0.646	0.722	0.803	0.857	0.900	0.945	0.963	0.975	0.986	0.992	0.995	0.997	0.999
8860.0	0.366	0.533	0.644	0.735	0.827	0.878	0.915	0.948	0.965	0.977	0.987	0.991	0.995	0.997	0.999
8870.0	0.439	0.615	0.721	0.801	0.877	0.916	0.943	0.967	0.978	0.985	0.992	0.995	0.997	0.998	0.999
8880.0	0.368	0.564	0.685	0.770	0.856	0.901	0.932	0.961	0.975	0.983	0.991	0.994	0.996	0.998	0.999
8890.0	0.417	0.594	0.708	0.793	0.871	0.912	0.940	0.965	0.977	0.985	0.992	0.995	0.997	0.999	0.999
8900.0	0.368	0.558	0.684	0.760	0.853	0.902	0.919	0.951	0.969	0.978	0.988	0.993	0.996	0.998	0.999
8910.0	0.260	0.439	0.565	0.671	0.786	0.847	0.893	0.931	0.956	0.971	0.984	0.990	0.994	0.997	0.999
8920.0	0.266	0.447	0.573	0.683	0.798	0.860	0.898	0.936	0.958	0.973	0.984	0.991	0.995	0.997	0.999
8930.0	0.252	0.428	0.556	0.666	0.778	0.841	0.888	0.930	0.952	0.968	0.982	0.989	0.994	0.997	0.999
8940.0	0.244	0.419	0.547	0.658	0.772	0.834	0.884	0.929	0.951	0.968	0.983	0.990	0.994	0.997	0.999
8950.0	0.234	0.410	0.540	0.653	0.770	0.834	0.883	0.929	0.951	0.969	0.984	0.991	0.995	0.998	0.999
8960.0	0.334	0.510	0.628	0.725	0.822	0.871	0.913	0.947	0.965	0.978	0.988	0.994	0.997	0.999	0.999
8970.0	0.306	0.483	0.604	0.705	0.807	0.863	0.905	0.943	0.962	0.977	0.988	0.994	0.997	0.999	0.999
8980.0	0.342	0.511	0.625	0.721	0.817	0.870	0.909	0.946	0.965	0.978	0.989	0.995	0.997	0.999	0.999
8990.0	0.368	0.537	0.651	0.735	0.825	0.875	0.913	0.948	0.966	0.978	0.989	0.994	0.997	0.999	0.999
9000.0	0.500	0.652	0.743	0.815	0.881	0.917	0.944	0.968	0.980	0.988	0.995	0.997	0.999	1.000	1.000
9010.0	0.455	0.611	0.709	0.787	0.864	0.905	0.935	0.964	0.978	0.987	0.994	0.997	0.998	1.000	1.000
9020.0	0.469	0.638	0.732	0.807	0.879	0.917	0.943	0.970	0.982	0.989	0.995	0.997	0.999	1.000	1.000
9030.0	0.549	0.696	0.783	0.848	0.909	0.940	0.962	0.980	0.989	0.994	0.997	0.999	1.000	1.000	1.000
9040.0	0.436	0.599	0.702	0.785	0.864	0.907	0.937	0.964	0.977	0.986	0.994	0.997	0.998	0.999	1.000
9050.0	0.493	0.642	0.734	0.808	0.879	0.916	0.942	0.968	0.979	0.987	0.994	0.997	0.998	0.999	1.000
9060.0	0.645	0.771	0.839	0.890	0.934	0.956	0.971	0.984	0.990	0.994	0.997	0.999	0.999	1.000	1.000
9070.0	0.571	0.713	0.796	0.855	0.911	0.940	0.960	0.977	0.986	0.992	0.995	0.998	0.999	1.000	1.000
9080.0	0.584	0.725	0.804	0.862	0.915	0.941	0.960	0.978	0.986	0.992	0.996	0.998	0.999	1.000	1.000
9090.0	0.631	0.757	0.827	0.879	0.925	0.948	0.965	0.979	0.988	0.992	0.996	0.998	0.999	1.000	1.000
9100.0	0.646	0.766	0.833	0.884	0.930	0.951	0.969	0.982	0.988	0.993	0.996	0.998	0.999	1.000	1.000
9110.0	0.652	0.774	0.841	0.891	0.935	0.957	0.972	0.984	0.990	0.994	0.997	0.998	0.999	1.000	1.000
9120.0	0.708	0.815	0.871	0.912	0.947	0.965	0.977	0.987	0.992	0.995	0.997	0.999	0.999	1.000	1.000
9130.0	0.770	0.857	0.902	0.933	0.960	0.973	0.982	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000
9140.0	0.725	0.832	0.883	0.920	0.951	0.967	0.978	0.987	0.991	0.994	0.997	0.998	0.999	1.000	1.000
9150.0	0.672	0.791	0.854	0.900	0.940	0.960	0.973	0.984	0.989	0.993	0.996	0.998	0.999	1.000	1.000
9160.0	0.687	0.801	0.862	0.906	0.945	0.963	0.975	0.985	0.990	0.994	0.997	0.998	0.999	1.000	1.000
9170.0	0.722	0.828	0.878	0.917	0.951	0.967	0.978	0.987	0.991	0.995	0.997	0.998	0.999	1.000	1.000
9180.0	0.769	0.864	0.901	0.932	0.960	0.973	0.982	0.990	0.993	0.996	0.998	0.999	1.000	1.000	1.000
9190.0	0.797	0.876	0.916	0.943	0.968	0.977	0.985	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000
9200.0	0.778	0.863	0.906	0.936	0.962	0.973	0.982	0.990	0.993	0.996	0.998	0.999	1.000	1.000	1.000
9210.0	0.775	0.860	0.904	0.935	0.961	0.974	0.982	0.990	0.993	0.996	0.998	0.999	0.999	1.000	1.000
9220.0	0.790	0.869	0.910	0.940	0.965	0.977	0.985	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
9230.0	0.781	0.863	0.908	0.936	0.963	0.975	0.984	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000
9240.0	0.824	0.892	0.928	0.950	0.970	0.980	0.987	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
9250.0	0.802	0.877	0.916	0.943	0.968	0.978	0.985	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000
9260.0	0.883	0.930	0.953	0.969	0.982	0.988	0.992	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9270.0	0.910	0.945	0.965	0.977	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9280.0	0.923	0.951	0.970	0.980	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9290.0	0.906	0.945	0.967	0.979	0.988	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9300.0	0.910	0.945	0.968	0.978	0.988	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9310.0	0.935	0.961	0.976	0.983	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9320.0	0.932	0.959	0.972	0.981	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9330.0	0.926	0.954	0.969	0.978	0.987	0.992	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9340.0	0.922	0.952	0.966	0.977	0.986	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9350.0	0.949	0.970	0.980	0.986	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9360.0	0.969	0.969	0.979	0.986	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9370.0	0.969	0.981	0.987	0.992	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9380.0	0.964	0.978	0.985	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9390.0	0.969	0.982	0.989	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9400.0	0.967	0.980	0.987	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9410.0	0.993	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9420.0	0.990	0.989	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9430.0	0.989	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9440.0	0.988	0.990	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9450.0	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9460.0	0.996	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9470.0	0.996	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9480.0	0.997	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9490.0	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9500.0	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9510.0	0.998	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9520.0	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9530.0	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9540.0	0.998	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9550.0	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9560.0	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9570.0	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9580.0	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9590.0	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9600.0	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9610.0	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9620.0	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9630.0	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9640.0	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9650.0	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9660.0	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9670.0	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9680.0	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9690.0	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9700.0	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9710.0	0.861	0.911	0.939	0.958	0.975	0.983	0.989	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9720.0	0.885	0.929	0.951	0.967	0.980	0.987	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9730.0	0.843	0.901	0.933	0.953	0.972	0.982	0.989	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000
9740.0	0.780	0.859	0.901	0.932	0.960	0.974	0.983	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000
9750.0	0.800	0.872	0.910	0.938	0.963	0.975	0.984	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000

WATER VAPOR AT 0.05 ATMOSPHERE PRESSURE

T=250° K

AVERAGED OVER 20cm-1

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
						UNR.CM.]									
1010.0	0.949	0.981	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1020.0	0.943	0.979	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1030.0	0.952	0.984	0.993	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1040.0	0.962	0.988	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1050.0	0.958	0.986	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1060.0	0.913	0.963	0.977	0.986	0.991	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1070.0	0.916	0.969	0.981	0.990	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1080.0	0.931	0.973	0.985	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1090.0	0.923	0.972	0.984	0.989	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1100.0	0.889	0.951	0.969	0.984	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1110.0	0.870	0.941	0.963	0.976	0.985	0.990	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
1120.0	0.881	0.944	0.969	0.980	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
1130.0	0.859	0.934	0.959	0.973	0.984	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
1140.0	0.842	0.923	0.951	0.967	0.981	0.987	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
1150.0	0.836	0.921	0.950	0.967	0.980	0.986	0.990	0.994	0.997	0.998	1.000	1.000	1.000	1.000	1.000
1160.0	0.789	0.888	0.928	0.951	0.970	0.980	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
1170.0	0.742	0.853	0.904	0.934	0.959	0.972	0.982	0.990	0.994	0.997	0.999	1.000	1.000	1.000	1.000
1180.0	0.704	0.831	0.887	0.923	0.951	0.967	0.977	0.987	0.992	0.996	0.999	0.999	1.000	1.000	1.000
1190.0	0.713	0.841	0.898	0.937	0.963	0.978	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
1200.0	0.713	0.841	0.898	0.937	0.963	0.978	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
1210.0	0.634	0.781	0.855	0.900	0.937	0.958	0.970	0.982	0.988	0.992	0.996	0.998	0.999	1.000	1.000
1220.0	0.566	0.731	0.815	0.871	0.914	0.943	0.961	0.976	0.985	0.990	0.995	0.997	0.998	0.999	1.000
1230.0	0.579	0.743	0.828	0.882	0.924	0.949	0.965	0.980	0.987	0.992	0.996	0.998	0.999	1.000	1.000
1240.0	0.573	0.747	0.837	0.893	0.934	0.956	0.969	0.982	0.989	0.993	0.997	0.998	1.000	1.000	1.000
1250.0	0.475	0.668	0.771	0.840	0.900	0.931	0.953	0.972	0.982	0.988	0.994	0.996	0.998	0.999	1.000
1260.0	0.338	0.533	0.654	0.747	0.835	0.883	0.918	0.950	0.968	0.978	0.988	0.992	0.995	0.998	0.999
1270.0	0.303	0.502	0.625	0.725	0.820	0.871	0.910	0.945	0.965	0.976	0.986	0.991	0.995	0.998	0.999
1280.0	0.297	0.494	0.622	0.724	0.820	0.872	0.910	0.945	0.965	0.976	0.986	0.991	0.995	0.998	0.999
1290.0	0.284	0.491	0.621	0.728	0.825	0.875	0.913	0.948	0.967	0.978	0.987	0.992	0.996	0.998	0.999
1300.0	0.325	0.529	0.654	0.751	0.843	0.891	0.925	0.955	0.972	0.981	0.990	0.994	0.997	0.998	0.999
1310.0	0.324	0.536	0.674	0.585	0.707	0.781	0.840	0.898	0.930	0.952	0.972	0.981	0.989	0.994	0.997
1320.0	0.256	0.501	0.656	0.673	0.830	0.904	0.944	0.971	0.984	0.991	0.996	0.998	0.999	1.000	1.000
1330.0	0.259	0.501	0.656	0.673	0.830	0.904	0.944	0.971	0.984	0.991	0.996	0.998	0.999	1.000	1.000
1340.0	0.259	0.501	0.656	0.673	0.830	0.904	0.944	0.971	0.984	0.991	0.996	0.998	0.999	1.000	1.000
1350.0	0.256	0.501	0.656	0.673	0.830	0.904	0.944	0.971	0.984	0.991	0.996	0.998	0.999	1.000	1.000
1360.0	0.213	0.471	0.649	0.686	0.850	0.793	0.892	0.939	0.967	0.977	0.987	0.992	0.995	0.998	0.999
1370.0	0.201	0.472	0.675	0.716	0.849	0.683	0.602	0.730	0.803	0.860	0.912	0.940	0.959	0.976	0.986
1380.0	0.201	0.472	0.675	0.716	0.849	0.683	0.602	0.730	0.803	0.860	0.912	0.940	0.959	0.976	0.986
1390.0	0.201	0.472	0.675	0.716	0.849	0.683	0.602	0.730	0.803	0.860	0.912	0.940	0.959	0.976	0.986
1400.0	0.201	0.472	0.675	0.716	0.849	0.683	0.602	0.730	0.803	0.860	0.912	0.940	0.959	0.976	0.986
1410.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1420.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1430.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1440.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1450.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1460.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1470.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1480.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1490.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1500.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1510.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1520.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1530.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1540.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1550.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1560.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1570.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1580.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1590.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1600.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1610.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1620.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1630.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1640.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1650.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1660.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1670.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1680.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1690.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1700.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1710.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1720.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1730.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1740.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1750.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1760.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1770.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1780.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1790.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1800.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1810.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1820.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1830.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1840.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1850.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1860.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1870.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1880.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1890.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1900.0	0.200	0.469	0.671	0.712	0.845	0.680	0.599	0.727	0.801	0.858	0.911	0.939	0.958	0.975	0.985
1910.0	0.202	0.036	0.115	0.217	0.419	0.548	0.659	0.772	0.835	0.892	0.925	0.947	0.968	0.977	0.984
1920.0	0.203	0.040	0.111	0.217	0.383	0.510	0.625	0.767	0.845	0.867	0.915	0.940	0.958	0.974	0.982
1930.0	0.207	0.076	0.188	0.285	0.395	0.595	0.690	0.805	0.854	0.890	0.930	0.950	0.964	0.976	0.984
1940.0	0.204	0.081	0.195	0.132	0.505	0.617	0.708	0.803	0.851	0.897	0.935	0.954	0.969	0.981	0.987
1950.0	0.214	0.108	0.222	0.150	0.532	0.610	0.695	0.858	0.897	0.935	0.954	0.969	0.981	0.987	0.991
1960.0	0.031	0.156	0.308	0.447	0.614	0.713	0.790	0.883	0.907	0.930	0.957	0.970	0.979	0.988	0.992
1970.0	0.095	0.280	0.437	0.572	0.705	0.786	0.843	0.898	0.927	0.948	0.967	0.977	0.984	0.990	0.993
1980.0	0.131	0.331	0.497	0.631	0.747	0.819	0.868	0.913	0.938	0.956	0.972	0.980	0.987	0.992	0.995
1990.0	0.072	0.207	0.335	0.461	0.609	0.702	0.777	0.852	0.893	0.923	0.951	0.966	0.975	0.985	0.990
2000.0	0.069	0.238	0.368	0.496	0.627	0.715	0.787	0.858	0.897	0.927	0.953	0.968	0.977	0.986	0.991
2010.0	0.108	0.280	0.427	0.561	0.702	0.781	0.852	0.899	0.926	0.949	0.968	0.977	0.985	0.991	0.994
2020.0	0.113	0.277	0.413	0.548	0.688	0.768	0.838	0.888	0.917	0.942	0.963	0.974	0.983	0.990	0.993
2030.0	0.193	0.386	0.529	0.648	0.765	0.830	0.878	0.923	0.946	0.963	0.977	0.983	0.990	0.994	0.996
2040.0	0.253	0.453	0.596	0.708	0.805	0.863	0.902	0.937	0.955	0.969	0.980	0.986	0.992	0.995	0.997
2050.0	0.304	0.498	0.620	0.715	0.807	0.859	0.898	0.935	0.954	0.968	0.980	0.986	0.991	0.995	0.997
2060.0	0.296	0.488	0.609	0.705	0.799	0.852	0.893	0.932	0.952	0.966	0.979	0.985	0.990	0.994	0.996
2070.0	0.256	0.441	0.564	0.662	0.773	0.831	0.879	0.922	0.944	0.961	0.976	0.984	0.990	0.994	0.996
2080.0	0.256	0.441	0.564	0.662	0.773	0.831	0.879	0.922	0.944	0.961	0.976	0.984	0.990	0.994	0.996
2090.0	0.256	0.552	0.681	0.760	0.844	0.888	0.922	0.952	0.967	0.977	0.985	0.991	0.995	0.997	0.998
2100.0	0.357	0.650	0.767	0.833	0.885	0.917	0.943	0.967	0.977	0.985	0.991	0.995	0.997	0.998	0.999
2110.0	0.447	0.628	0.733	0.808	0.877	0.914	0.940	0.963	0.975	0.983	0.991	0.994	0.997	0.998	0.999
2120.0	0.408	0.647	0.761	0.830	0.892	0.926	0.947	0.968	0.977	0.985	0.992	0.995	0.997	0.998	0.999
2130.0	0.428	0.664	0.723	0.824	0.884	0.922	0.947	0.968	0.977	0.985	0.992	0.995	0.997	0.998	0.999
2140.0	0.446	0.616	0.709	0.786	0.857	0.898	0.928	0.956	0.970	0.980	0.988	0.993	0.995	0.998	0.999
2150.0	0.354	0.632	0.732	0.804	0.873	0.912	0.937	0.962	0.975	0.984	0.991	0.994	0.997	0.998	0.999
2160.0	0.444	0.707	0.791	0.847	0.904	0.932	0.953	0.972	0.981	0.988	0.993	0.996	0.998	0.999	1.000
2170.0	0.483	0.712	0.813	0.858	0.912	0.937	0.958	0.974	0.982	0.989	0.994	0.996	0.998	0.999	1.000
2180.0	0.116	0.353	0.586	0.734	0.848	0.905	0.945	0.969	0.980	0.988	0.993	0.996	0.998	0.999	1.000
2190.0	0.158	0.468	0.695	0.808	0.882	0.926	0.952	0.973	0.982	0.989	0.994	0.997	0.998	0.999	1.000
2200.0	0.700	0.819	0.874	0.910	0.943	0.961	0.973	0.984	0.990	0.994	0.997	0.998	0.999	1.000	1.000
2210.0	0.642	0.811	0.857	0.905	0.940	0.958	0.972	0.983	0.989	0.994	0.996	0.998	0.999	1.000	1.000
2220.0	0.747	0.851	0.897	0.926	0.954	0.969	0.978	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000
2230.0	0.752	0.885	0.922	0.945	0.967	0.978	0.985	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000
2240.0	0.822	0.905	0.934	0.953	0.969	0.979	0.988	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2250.0	0.863	0.931	0.957	0.970	0.983	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
3510.0	0.000	0.007	0.043	0.129	0.303	0.448	0.579	0.717	0.796	0.854	0.908	0.936	0.956	0.973	0.982
3520.0	0.000	0.000	0.026	0.105	0.298	0.396	0.501	0.647	0.737	0.807	0.876	0.912	0.938	0.963	0.976
3530.0	0.000	0.004	0.025	0.077	0.197	0.317	0.445	0.602	0.700	0.774	0.857	0.898	0.929	0.953	0.969
3540.0	0.000	0.004	0.026	0.083	0.219	0.345	0.478	0.636	0.728	0.802	0.873	0.910	0.937	0.961	0.974
3550.0	0.000	0.002	0.012	0.045	0.134	0.236	0.360	0.527	0.625	0.715	0.802	0.852	0.892	0.929	0.950
3560.0	0.000	0.000	0.001	0.010	0.060	0.115	0.206	0.346	0.437	0.581	0.720	0.804	0.883	0.933	0.953
3570.0	0.000	0.000	0.001	0.013	0.073	0.123	0.203	0.345	0.469	0.610	0.811	0.866	0.905	0.944	0.959
3580.0	0.000	0.000	0.001	0.010	0.073	0.117	0.201	0.342	0.463	0.605	0.810	0.865	0.905	0.944	0.959
3590.0	0.000	0.000	0.000	0.008	0.061	0.107	0.200	0.353	0.475	0.590	0.718	0.792	0.850	0.905	0.933
3600.0	0.000	0.000	0.000	0.004	0.037	0.064	0.191	0.346	0.473	0.590	0.719	0.794	0.852	0.906	0.933
3610.0	0.000	0.000	0.000	0.003	0.040	0.117	0.231	0.408	0.537	0.644	0.765	0.830	0.879	0.924	0.947
3620.0	0.000	0.000	0.000	0.002	0.031	0.097	0.206	0.388	0.522	0.638	0.759	0.827	0.877	0.923	0.947
3630.0	0.000	0.000	0.000	0.002	0.027	0.085	0.186	0.356	0.479	0.592	0.716	0.789	0.843	0.903	0.930
3640.0	0.000	0.000	0.000	0.004	0.040	0.101	0.196	0.345	0.459	0.583	0.710	0.783	0.837	0.882	0.909
3650.0	0.000	0.000	0.000	0.005	0.055	0.125	0.206	0.345	0.453	0.565	0.684	0.757	0.813	0.862	0.889
3660.0	0.000	0.000	0.000	0.001	0.014	0.055	0.135	0.288	0.418	0.542	0.682	0.765	0.830	0.891	0.924
3670.0	0.000	0.000	0.000	0.000	0.007	0.059	0.153	0.326	0.461	0.582	0.712	0.788	0.847	0.903	0.932
3680.0	0.000	0.000	0.000	0.000	0.004	0.046	0.134	0.293	0.432	0.554	0.688	0.767	0.827	0.889	0.922
3690.0	0.000	0.000	0.000	0.000	0.005	0.030	0.089	0.222	0.347	0.474	0.627	0.722	0.797	0.873	0.912
3700.0	0.000	0.000	0.000	0.000	0.005	0.029	0.086	0.217	0.342	0.472	0.628	0.725	0.801	0.875	0.913
3710.0	0.000	0.000	0.000	0.000	0.003	0.021	0.074	0.211	0.343	0.478	0.634	0.732	0.807	0.879	0.916
3720.0	0.000	0.000	0.000	0.000	0.001	0.009	0.044	0.153	0.286	0.426	0.598	0.703	0.788	0.863	0.904
3730.0	0.000	0.000	0.000	0.000	0.000	0.002	0.013	0.086	0.144	0.252	0.468	0.542	0.653	0.770	0.836
3740.0	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.016	0.039	0.090	0.197	0.309	0.429	0.582	0.683
3750.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.027	0.070	0.123	0.221	0.311	0.414	0.557
3760.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.025	0.077	0.197	0.332	0.421	0.538	0.611
3770.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.026	0.078	0.193	0.295	0.384	0.490	0.572
3780.0	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.006	0.026	0.076	0.184	0.284	0.372	0.477	0.562
3790.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.025	0.076	0.189	0.292	0.384	0.490	0.572
3800.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.025	0.076	0.189	0.292	0.384	0.490	0.572
3810.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.042	0.121	0.243	0.434	0.570	0.685	0.797
3820.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.071	0.177	0.344	0.511	0.636	0.763
3830.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.054	0.140	0.316	0.494	0.624	0.722
3840.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.047	0.123	0.268	0.398	0.523	0.614
3850.0	0.000	0.000	0.000	0.000

WATER VAPOR 0.05 ATMOSPHERE PRESSURE

T=250° K

AVERAGED OVER 20cm^{-1}

U(FR CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
4780.0	0.589	0.707	0.767	0.821	0.877	0.907	0.934	0.957	0.970	0.979	0.988	0.992	0.995	0.998	0.999
4790.0	0.704	0.784	0.824	0.876	0.921	0.944	0.962	0.977	0.985	0.990	0.995	0.997	0.998	1.000	1.000
4800.0	0.823	0.861	0.881	0.926	0.960	0.975	0.984	0.989	0.992	0.993	0.996	0.997	0.998	0.999	1.000
4810.0	0.908	0.924	0.936	0.964	0.982	0.989	0.992	0.993	0.995	0.995	0.997	0.998	0.999	0.999	1.000
4820.0	0.960	0.966	0.971	0.985	0.993	0.995	0.996	0.996	0.997	0.997	0.998	0.999	0.999	1.000	1.000
4830.0	0.985	0.987	0.989	0.995	0.997	0.998	0.998	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000
4840.0	0.995	0.996	0.996	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000
4850.0	0.998	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4860.0	0.757	0.854	0.902	0.959	0.982	0.992	0.996	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
4870.0	0.833	0.892	0.926	0.974	0.992	0.997	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000
4880.0	0.916	0.940	0.961	0.987	0.996	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000
4890.0	0.967	0.982	0.989	0.996	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4900.0	0.989	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4910.0	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4920.0	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4930.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4940.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4950.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4960.0	0.869	0.935	0.964	0.992	0.998	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000
4970.0	0.895	0.945	0.971	0.994	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000
4980.0	0.922	0.956	0.977	0.996	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4990.0	0.944	0.967	0.983	0.997	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5000.0	0.962	0.977	0.988	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5010.0	0.974	0.985	0.992	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5020.0	0.982	0.990	0.995	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5030.0	0.988	0.993	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5040.0	0.992	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5050.0	0.994	0.997	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5060.0	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5070.0	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5080.0	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5090.0	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5100.0	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5110.0	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5120.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5130.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5140.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5150.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5160.0	0.704	0.788	0.831	0.887	0.931	0.954	0.972	0.984	0.990	0.994	0.997	0.998	0.999	1.000	1.000
5170.0	0.750	0.823	0.860	0.911	0.949	0.968	0.981	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000
5180.0	0.800	0.860	0.891	0.935	0.966	0.980	0.989	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
5190.0	0.850	0.897	0.922	0.957	0.980	0.990	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
5200.0	0.897	0.932	0.951	0.976	0.991	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5210.0	0.935	0.958	0.972	0.988	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5220.0	0.962	0.976	0.984	0.994	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5230.0	0.979	0.988	0.992	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5240.0	0.989	0.994	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5250.0	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5260.0	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5270.0	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5280.0	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5290.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5300.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5310.0	0.705	0.801	0.851	0.910	0.952	0.972	0.984	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000
5320.0	0.751	0.833	0.875	0.929	0.965	0.980	0.989	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
5330.0	0.801	0.868	0.902	0.947	0.975	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
5340.0	0.851	0.904	0.931	0.965	0.985	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5350.0	0.899	0.938	0.958	0.980	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5360.0	0.938	0.965	0.979	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5370.0	0.966	0.982	0.989	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5380.0	0.983	0.991	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5390.0	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5400.0	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5410.0	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5420.0	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5430.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5440.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5450.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5460.0	0.706	0.807	0.862	0.927	0.964	0.978	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000
5470.0	0.752	0.844	0.892	0.944	0.974	0.985	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
5480.0	0.803	0.878	0.916	0.957	0.980	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
5490.0	0.853	0.909	0.938	0.969	0.986	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5500.0	0.901	0.941	0.961	0.980	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5510.0	0.940	0.968	0.981	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5520.0	0.967	0.984	0.991	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5530.0	0.984	0.992	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5540.0	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5550.0	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5560.0	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5570.0	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5580.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5590.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5600.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5610.0	0.707	0.811	0.866	0.931	0.967	0.980	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
5620.0	0.753	0.849	0.897	0.949	0.977	0.988	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
5630.0	0.804	0.884	0.926	0.964	0.983	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
5640.0	0.854	0.914	0.945	0.975	0.989	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5650.0	0.902	0.944	0.965	0.984	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5660.0	0.941	0.971	0.983	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5670.0	0.968	0.985	0.992	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5680.0	0.984	0.993	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5690.0	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5700.0	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5710.0	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5720.0	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5730.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5740.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5750.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5760.0	0.708	0.819	0.880	0.951	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5770.0	0.753	0.857	0.913	0.968	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5780.0	0.804	0.893	0.944	0.979	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5790.0	0.854	0.923	0.964	0.988	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5800.0	0.902	0.951	0.978	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5810.0	0.942	0.972	0.987	0.995	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5820.0	0.969	0.986	0.993	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5830.0	0.985	0.993	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5840.0	0.993	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5850.0	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5860.0	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5870.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5880.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5890.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5900.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5910.0	0.941	0.985	0.998	0.992	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5920.0	0.969	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5930.0	0.984	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5940.0	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5950.0	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5960.0	0.943	0.987	0.998	0.993	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5970.0	0.970	0.993	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5980.0	0.984	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5990.0	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6000.0	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

WATER VAPOR AT 0.05 ATMOSPHERE PRESSURE

T=250° K

AVERAGED OVER 20cm^{-1}

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
						UPR.CM.)									
9510.0	0.944	0.975	0.987	0.984	0.993	0.997	0.996	0.999	0.999	0.998	0.999	1.000			
9520.0	0.943	0.973	0.986	0.983	0.992	0.997	0.996	0.999	0.999	0.998	0.999	1.000			
9530.0	0.944	0.973	0.986	0.985	0.992	0.998	0.996	0.999	0.999	0.998	0.999	1.000			
9540.0	0.944	0.974	0.987	0.985	0.993	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9550.0	0.945	0.975	0.988	0.986	0.994	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9560.0	0.947	0.977	0.989	0.988	0.995	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9570.0	0.949	0.978	0.990	0.989	0.995	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9580.0	0.950	0.979	0.990	0.990	0.995	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9590.0	0.952	0.980	0.991	0.990	0.996	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9600.0	0.953	0.981	0.991	0.991	0.996	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9610.0	0.954	0.982	0.992	0.992	0.996	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9620.0	0.955	0.983	0.992	0.992	0.996	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9630.0	0.956	0.983	0.992	0.992	0.996	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9640.0	0.957	0.984	0.993	0.993	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9650.0	0.958	0.984	0.993	0.993	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9660.0	0.959	0.985	0.994	0.994	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9670.0	0.960	0.985	0.994	0.994	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9680.0	0.961	0.986	0.994	0.994	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9690.0	0.962	0.986	0.995	0.995	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9700.0	0.963	0.987	0.995	0.995	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9710.0	0.964	0.987	0.995	0.995	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9720.0	0.965	0.988	0.996	0.995	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9730.0	0.966	0.988	0.996	0.996	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9740.0	0.967	0.989	0.996	0.996	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9750.0	0.968	0.989	0.996	0.996	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9760.0	0.969	0.989	0.997	0.996	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9770.0	0.970	0.990	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9780.0	0.971	0.990	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9790.0	0.972	0.991	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9800.0	0.973	0.991	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9810.0	0.974	0.991	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9820.0	0.975	0.992	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9830.0	0.976	0.992	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9840.0	0.977	0.992	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9850.0	0.978	0.993	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9860.0	0.979	0.993	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9870.0	0.980	0.993	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9880.0	0.981	0.994	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9890.0	0.982	0.994	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9900.0	0.983	0.994	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9910.0	0.984	0.995	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9920.0	0.985	0.995	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9930.0	0.986	0.995	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9940.0	0.987	0.996	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9950.0	0.988	0.996	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9960.0	0.989	0.996	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9970.0	0.990	0.997	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9980.0	0.991	0.997	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
9990.0	0.992	0.997	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
10000.0	0.993	0.997	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
10010.0	0.994	0.997	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
10020.0	0.995	0.997	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
10030.0	0.996	0.997	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
10040.0	0.997	0.997	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			
10050.0	0.998	0.997	0.997	0.997	0.997	0.998	0.997	0.999	0.999	0.998	0.999	1.000			

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
						UPR.CM.)									
9760.0	0.976	0.927	0.945	0.967	0.977	0.984	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9770.0	0.978	0.929	0.947	0.968	0.978	0.985	0.990	0.996	0.996	0.998	0.999	0.999	1.000	1.000	1.000
9780.0	0.981	0.931	0.948	0.969	0.978	0.985	0.990	0.996	0.996	0.998	0.999	0.999	1.000	1.000	1.000
9790.0	0.984	0.934	0.950	0.970	0.979	0.986	0.991	0.996	0.996	0.998	0.999	0.999	1.000	1.000	1.000
9800.0	0.987	0.936	0.952	0.971	0.980	0.986	0.991	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9810.0	0.990	0.939	0.954	0.972	0.980	0.987	0.991	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9820.0	0.992	0.941	0.956	0.973	0.981	0.987	0.991	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9830.0	0.994	0.943	0.958	0.974	0.982	0.988	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9840.0	0.996	0.945	0.960	0.975	0.982	0.988	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9850.0	0.997	0.947	0.961	0.976	0.983	0.989	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9860.0	0.998	0.949	0.963	0.977	0.984	0.989	0.993	0.997	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9870.0	0.999	0.951	0.964	0.978	0.984	0.990	0.993	0.997	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9880.0	0.999	0.953	0.965	0.979	0.985	0.990	0.993	0.997	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9890.0	1.000	0.955	0.967	0.980	0.985	0.990	0.993	0.997	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9900.0	1.000	0.957	0.968	0.980	0.986	0.991	0.994	0.997	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9910.0	1.000	0.959	0.969	0.981	0.986	0.991	0.994	0.997	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9920.0	1.000	0.961	0.970	0.982	0.987	0.991	0.994	0.997	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9930.0	1.000	0.963	0.971	0.983	0.987	0.992	0.994	0.997	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9940.0	1.000	0.965	0.973	0.983	0.988	0.992	0.994	0.997	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9950.0	1.000	0.967	0.974	0.984	0.988	0.992	0.994	0.997	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9960.0	1.000	0.969	0.975	0.985	0.989	0.992	0.994	0.997	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9970.0	1.000	0.971	0.976	0.985	0.989	0.992	0.994	0.997	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9980.0	1.000	0.973	0.977	0.986	0.989	0.992	0.994	0.997	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9990.0	1.000	0.975	0.978	0.986	0.990	0.993	0.994	0.997	0.997	0.998	0.999	0.999	1.000	1.000	1.000
10000.0	1.000	0.977	0.979	0.987	0.990	0.993	0.994	0.997	0.997	0.998	0.999	0.999	1.000	1.000	1.000
10010.0	1.000	0.979	0.980	0.987	0.990	0.993	0.994	0.997	0.997	0.998	0.999	0.999	1.000	1.000	1.000
10020.0	1.000	0.981	0.981	0.988	0.990	0.993	0.994	0.997	0.997	0.998	0.999	0.999	1.000	1.000	1.000
10030.0	1.000	0.983	0.982	0.988	0.991	0.993	0.994	0.997	0.997	0.998	0.999	0.999	1.000	1.000	1.000
10040.0	1.000	0.985	0.983	0.989	0.991	0.993	0.994	0.997	0.997	0.998	0.999	0.999	1.000	1.000	1.000
10050.0	1.000	0.987	0.984	0.989	0.991	0.993	0.994	0.997	0.997	0.998	0.999	0.999	1.000	1.000	1.000

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
						UPR.CM.)									

WATER VAPOR AT 0.02 ATMOSPHERE PRESSURE

T=250° K

AVERAGED OVER 20cm^{-1}

FREQ.	U(PR.CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1010.0	0.981	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1020.0	0.974	0.988	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1030.0	0.985	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1040.0	0.984	0.992	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1050.0	0.978	0.989	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1060.0	0.962	0.979	0.985	0.990	0.994	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1070.0	0.965	0.980	0.985	0.991	0.994	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1080.0	0.976	0.988	0.992	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1090.0	0.972	0.985	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1100.0	0.949	0.971	0.980	0.986	0.991	0.994	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000
1110.0	0.939	0.965	0.976	0.983	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
1120.0	0.947	0.971	0.980	0.986	0.992	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
1130.0	0.932	0.963	0.974	0.982	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
1140.0	0.919	0.955	0.969	0.978	0.987	0.991	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
1150.0	0.919	0.956	0.970	0.979	0.987	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
1160.0	0.886	0.935	0.954	0.965	0.980	0.986	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
1170.0	0.852	0.914	0.939	0.957	0.973	0.981	0.987	0.993	0.995	0.997	0.999	0.999	1.000	1.000	1.000
1180.0	0.828	0.898	0.928	0.949	0.968	0.978	0.985	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
1190.0	0.851	0.915	0.941	0.959	0.974	0.982	0.988	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000
1200.0	0.837	0.927	0.936	0.955	0.972	0.980	0.986	0.992	0.995	0.996	0.998	0.999	0.999	1.000	1.000
1210.0	0.779	0.868	0.908	0.935	0.959	0.971	0.980	0.988	0.992	0.994	0.997	0.998	0.999	1.000	1.000
1220.0	0.725	0.831	0.884	0.915	0.946	0.962	0.974	0.984	0.989	0.993	0.996	0.998	0.999	0.999	1.000
1230.0	0.737	0.842	0.889	0.921	0.951	0.966	0.977	0.986	0.991	0.994	0.997	0.998	0.999	1.000	1.000
1240.0	0.737	0.841	0.889	0.921	0.951	0.966	0.977	0.986	0.991	0.994	0.997	0.998	0.999	1.000	1.000
1250.0	0.663	0.790	0.852	0.895	0.934	0.954	0.969	0.981	0.987	0.992	0.995	0.997	0.998	0.999	1.000
1260.0	0.528	0.682	0.766	0.830	0.890	0.922	0.945	0.966	0.977	0.985	0.991	0.994	0.996	0.998	0.999
1270.0	0.495	0.656	0.745	0.814	0.879	0.914	0.937	0.963	0.975	0.983	0.990	0.993	0.996	0.998	0.999
1280.0	0.495	0.653	0.745	0.813	0.879	0.914	0.940	0.963	0.975	0.983	0.990	0.994	0.996	0.998	0.999
1290.0	0.487	0.655	0.740	0.817	0.881	0.916	0.941	0.964	0.976	0.984	0.991	0.994	0.997	0.999	0.999
1300.0	0.521	0.682	0.771	0.833	0.891	0.923	0.944	0.967	0.978	0.985	0.992	0.995	0.997	0.998	0.999
1310.0	0.352	0.537	0.636	0.733	0.797	0.850	0.892	0.931	0.952	0.967	0.980	0.987	0.991	0.995	0.997
1320.0	0.200	0.379	0.512	0.627	0.745	0.813	0.865	0.914	0.940	0.958	0.975	0.984	0.989	0.994	0.996
1330.0	0.186	0.355	0.484	0.598	0.719	0.791	0.847	0.901	0.933	0.951	0.971	0.980	0.987	0.993	0.995
1340.0	0.176	0.344	0.472	0.587	0.710	0.783	0.843	0.896	0.926	0.948	0.969	0.979	0.986	0.992	0.995
1350.0	0.137	0.302	0.431	0.552	0.686	0.765	0.827	0.887	0.919	0.943	0.966	0.977	0.984	0.991	0.994
1360.0	0.074	0.206	0.336	0.465	0.622	0.715	0.789	0.862	0.901	0.930	0.957	0.971	0.980	0.989	0.992
1370.0	0.020	0.133	0.215	0.349	0.522	0.634	0.727	0.819	0.869	0.907	0.941	0.960	0.972	0.983	0.989
1380.0	0.022	0.136	0.220	0.354	0.528	0.640	0.732	0.823	0.872	0.909	0.945	0.961	0.973	0.984	0.990
1390.0	0.015	0.073	0.149	0.256	0.426	0.550	0.657	0.769	0.832	0.879	0.923	0.946	0.963	0.977	0.985
1400.0	0.003	0.024	0.083	0.188	0.369	0.505	0.624	0.747	0.816	0.868	0.917	0.942	0.960	0.976	0.984
1850.0	0.009	0.074	0.172	0.272	0.458	0.576	0.674	0.778	0.837	0.882	0.926	0.946	0.962	0.977	0.984
1860.0	0.010	0.085	0.202	0.342	0.516	0.626	0.715	0.806	0.857	0.896	0.935	0.952	0.966	0.979	0.986
1870.0	0.016	0.095	0.213	0.353	0.523	0.626	0.716	0.803	0.856	0.895	0.930	0.950	0.965	0.978	0.985
1880.0	0.029	0.126	0.263	0.410	0.581	0.683	0.762	0.841	0.884	0.916	0.946	0.962	0.973	0.984	0.989
1890.0	0.035	0.156	0.293	0.463	0.616	0.717	0.795	0.869	0.906	0.934	0.959	0.971	0.980	0.988	0.992
1900.0	0.045	0.177	0.323	0.471	0.639	0.736	0.810	0.878	0.913	0.939	0.962	0.973	0.981	0.989	0.992
1910.0	0.036	0.150	0.280	0.419	0.565	0.669	0.771	0.850	0.892	0.923	0.951	0.966	0.976	0.985	0.990
1920.0	0.040	0.142	0.255	0.383	0.548	0.657	0.745	0.832	0.879	0.913	0.945	0.961	0.973	0.983	0.989
1930.0	0.076	0.229	0.360	0.485	0.626	0.715	0.788	0.859	0.898	0.927	0.954	0.968	0.977	0.986	0.990
1940.0	0.081	0.237	0.374	0.503	0.647	0.733	0.802	0.869	0.905	0.932	0.957	0.970	0.979	0.987	0.991
1950.0	0.106	0.262	0.389	0.510	0.649	0.734	0.803	0.870	0.906	0.933	0.957	0.970	0.979	0.988	0.991
1960.0	0.155	0.347	0.490	0.612	0.738	0.809	0.862	0.911	0.936	0.955	0.972	0.980	0.986	0.992	0.994
1970.0	0.279	0.482	0.602	0.707	0.805	0.856	0.896	0.933	0.952	0.966	0.979	0.985	0.990	0.994	0.996
1980.0	0.315	0.522	0.645	0.738	0.826	0.873	0.909	0.941	0.958	0.971	0.982	0.987	0.991	0.995	0.996
1990.0	0.206	0.375	0.498	0.607	0.726	0.795	0.850	0.902	0.930	0.950	0.968	0.978	0.984	0.990	0.993
2000.0	0.237	0.404	0.521	0.625	0.738	0.806	0.856	0.906	0.933	0.952	0.969	0.978	0.985	0.991	0.994
2010.0	0.279	0.471	0.597	0.700	0.800	0.856	0.897	0.934	0.953	0.967	0.979	0.986	0.990	0.994	0.996
2020.0	0.270	0.454	0.580	0.684	0.788	0.846	0.890	0.930	0.950	0.965	0.978	0.985	0.989	0.994	0.996
2030.0	0.384	0.567	0.678	0.765	0.844	0.888	0.920	0.950	0.965	0.975	0.985	0.990	0.993	0.996	0.997
2040.0	0.451	0.618	0.715	0.789	0.860	0.899	0.928	0.954	0.968	0.978	0.986	0.991	0.994	0.996	0.998
2050.0	0.476	0.650	0.738	0.805	0.870	0.906	0.933	0.957	0.970	0.979	0.987	0.991	0.994	0.996	0.998
2060.0	0.486	0.639	0.728	0.796	0.863	0.901	0.929	0.955	0.968	0.978	0.986	0.990	0.993	0.996	0.997
2070.0	0.439	0.598	0.693	0.769	0.845	0.888	0.919	0.948	0.964	0.974	0.984	0.989	0.992	0.996	0.997
2080.0	0.550	0.708	0.790	0.850	0.904	0.932	0.953	0.970	0.980	0.986	0.992	0.994	0.996	0.998	0.999
2090.0	0.549	0.700	0.780	0.840	0.897	0.927	0.949	0.968	0.978	0.985	0.991	0.994	0.996	0.998	0.999
2100.0	0.548	0.696	0.776	0.837	0.894	0.925	0.947	0.967	0.977	0.984	0.990	0.994	0.996	0.998	0.999
2110.0	0.626	0.759	0.826	0.876	0.919	0.943	0.960	0.974	0.983	0.989	0.993	0.996	0.997	0.999	0.999
2120.0	0.665	0.785	0.845	0.888	0.929	0.950	0.965	0.979	0.985	0.990	0.994	0.996	0.998	0.999	0.999
2130.0	0.624	0.746	0.811	0.862	0.910	0.936	0.954	0.972	0.980	0.987	0.992	0.995	0.997	0.998	0.999
2140.0	0.607	0.732	0.801	0.854	0.905	0.932	0.952	0.970	0.980	0.986	0.992	0.994	0.996	0.998	0.999
2150.0	0.629	0.754	0.820	0.870	0.917	0.941	0.959	0.974	0.982	0.988	0.993	0.996	0.997	0.999	0.999
2160.0	0.706	0.809	0.862	0.901	0.937	0.956	0.969	0.981	0.987	0.991	0.995	0.997	0.998	0.999	1.000
2170.0	0.810	0.882	0.915	0.940	0.962	0.974	0.982	0.989	0.992	0.995	0.997	0.998	0.999	0.999	1.000
2180.0	0.830	0.876	0.924	0.946	0.966	0.976	0.984	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000
2190.0	0.845	0.903	0.931	0.951	0.970	0.979	0.985	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
2200.0	0.815	0.885	0.917	0.941	0.963	0.974	0.982	0.989	0.993	0.995	0.997	0.999	0.999	1.000	1.000
2210.0	0.807	0.877	0.912	0.937	0.961	0.972	0.981	0.989	0.993	0.995	0.998	0.999	0.999	1.000	1.000
2220.0	0.847	0.906	0.932	0.952	0.970	0.979	0.986	0.992	0.995	0.996	0.998	0.999	1.000	1.000	1.000
2230.0	0.861	0.927	0.948	0.964	0.978	0.985	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000
2240.0	0.900	0.940	0.958	0.971	0.982	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2250.0	0.927	0.957	0.971	0.980	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000

FR.	U(PR.CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
2260.0	0.954	0.961	0.973	0.982	0.989	0.993	0.995	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2270.0	0.946	0.969	0.979	0.986	0.991	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2280.0	0.943	0.967	0.978	0.985	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2290.0	0.947	0.970	0.980	0.987	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2300.0	0.952	0.973	0.982	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2310.0	0.961	0.979	0.986	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2320.0	0.964	0.983	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2330.0	0.966	0.982	0.988	0.992	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2340.0	0.968	0.985	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2350.0	0.974	0.987	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2360.0	0.967	0.982	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2370.0	0.971	0.984	0.989	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2380.0	0.983	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2390.0	0.983	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2400.0	0.985	0.992	0.995	0.997	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2410.0	0.989	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2420.0	0.983	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2430.0	0.978	0.988	0.992	0.995	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2440.0	0.980	0.989	0.993	0.995	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2450.0	0.986	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2460.0	0.986	0.993	0.996	0.997	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2470.0	0.991	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2480.0	0.991	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2490.0	0.991	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2500.0	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2510.0	0.990	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2520.0	0.991	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2530.0	0.986	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2540.0	0.985	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2550.0	0.976	0.987	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2560.0	0.977	0.988	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2570.0	0.968	0.982	0.988	0.992	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2580.0	0.963	0.979	0.986	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2590.0	0.950	0.975	0.983	0.989	0.994	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2600.0	0.943	0.965	0.976	0.983	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2610.0	0.944	0.967	0.977	0.984	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2620.0	0.916	0.948	0.964	0.975	0.985	0.990	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2630.0	0.935	0.960	0.973	0.981	0.989	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2640.0	0.908	0.942	0.959	0.971	0.982	0.988	0.992	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2650.0	0.912	0.945	0.961	0.973	0.983	0.988	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2660.0	0.918	0.949	0.965	0.975	0.985	0.989	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2670.0	0.885	0.927	0.949	0.964	0.978	0.986	0.989	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000
2680.0	0.910	0.945	0.965	0.975	0.985	0.989	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2690.0	0.907	0.942	0.960	0.973	0.983	0.989	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2700.0	0.849	0.905	0.934	0.955	0.973	0.982	0.989	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2710.0	0.824	0.855	0.867	0.905	0.941	0.960	0.973	0.985	0.991	0.995	0.998	0.999	1.000	1.000	1.000
2720.0	0.636	0.750	0.815	0.865	0.913	0.940	0.958	0.976	0.984	0.991	0.996	0.998	0.999	1.000	1.000
2730.0	0.724	0.809	0.859	0.897	0.933	0.953	0.967	0.980	0.987	0.992	0.996	0.998	0.999	1.000	1.000
2740.0	0.882	0.926	0.949	0.964	0.978	0.985	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2750.0	0.883	0.927	0.950	0.965	0.979	0.985	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2760.0	0.876	0.923	0.946	0.963	0.977	0.984	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2770.0	0.894	0.935	0.955	0.969	0.981	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2780.0	0.822	0.884	0.917	0.941	0.963	0.974	0.982	0.989	0.993	0.996	0.998	0.999	1.000	1.000	1.000
2790.0	0.762	0.827	0.875	0.910	0.943	0.960	0.973	0.984	0.990	0.994	0.997	0.999	0.999	1.000	1.000
2800.0	0.770	0.849	0.891	0.923	0.951	0.967	0.978	0.987	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2810.0	0.781	0.857	0.898	0.927	0.955	0.969	0.979	0.989	0.993	0.996	0.998	0.999	1.000	1.000	1.000
2820.0	0.797	0.869	0.907	0.934	0.959	0.972	0.981	0.989	0.994	0.996	0.998	0.999	1.000	1.000	1.000
2830.0	0.823	0.888	0.923	0.944	0.966	0.976	0.984	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2840.0	0.790	0.866	0.905	0.933	0.959	0.972	0.981	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2850.0	0.809	0.873	0.911	0.937	0.961	0.973	0.982	0.991	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2860.0	0.846	0.904	0.934	0.954	0.972	0.981	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2870.0	0.810	0.880	0.916	0.941	0.964	0.976	0.984	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000
2880.0	0.806	0.878	0.914	0.940	0.963	0.975	0.983	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000
2890.0	0.796	0.870	0.908	0.936	0.961	0.974	0.982	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000
2900.0	0.753	0.842	0.888	0.921	0.951	0.967	0.978	0.987	0.991	0.995	0.997	0.998	0.999	1.000	1.000
2910.0	0.753	0.843	0.889	0.922	0.952	0.967	0.977	0.987	0.991	0.994	0.997	0.998	0.999	0.999	1.000
2920.0	0.718	0.818	0.870	0.908	0.943	0.960	0.972	0.984	0.989	0.993	0.996	0.997	0.998	0.999	1.000
2930.0	0.693	0.801	0.858	0.899	0.937	0.956	0.969	0.982	0.988	0.992	0.995	0.997	0.998	0.999	0.999
2940.0	0.629	0.755	0.826	0.876	0.920	0.944	0.961	0.976	0.984	0.989	0.994	0.996	0.997	0.998	0.999
2950.0	0.573	0.717	0.796	0.856	0.908	0.935	0.955	0.972	0.981	0.987	0.992	0.994	0.996	0.998	0.998

WATER VAPOR AT 0.02 ATMOSPHERE PRESSURE
T=250° K
AVERAGED OVER 20cm^{-1}

WATER VAPOR AT 0.02 ATMOSPHERE PRESSURE

T=250° K

AVERAGED OVER $20cm^{-1}$

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
							U(P,R,CM.)								
8510.0	0.770	0.864	0.892	0.923	0.952	0.968	0.977	0.986	0.990	0.993	0.996	0.998	0.998	0.999	1.000
8520.0	0.778	0.866	0.894	0.926	0.954	0.968	0.978	0.986	0.991	0.993	0.996	0.998	0.998	0.999	1.000
8530.0	0.806	0.885	0.911	0.937	0.961	0.973	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000
8540.0	0.838	0.907	0.929	0.949	0.969	0.978	0.984	0.990	0.993	0.995	0.997	0.998	0.999	1.000	1.000
8550.0	0.854	0.918	0.938	0.957	0.973	0.980	0.986	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
8560.0	0.860	0.923	0.943	0.962	0.976	0.982	0.989	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000
8570.0	0.871	0.931	0.951	0.968	0.980	0.986	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000
8580.0	0.881	0.938	0.957	0.972	0.983	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
8590.0	0.889	0.944	0.962	0.975	0.985	0.990	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
8600.0	0.896	0.949	0.966	0.978	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
8610.0	0.769	0.850	0.884	0.926	0.956	0.969	0.979	0.987	0.992	0.995	0.997	0.999	0.999	1.000	1.000
8620.0	0.761	0.829	0.877	0.917	0.945	0.962	0.976	0.986	0.990	0.993	0.996	0.998	0.998	0.999	1.000
8630.0	0.688	0.791	0.848	0.893	0.932	0.952	0.969	0.980	0.987	0.991	0.995	0.997	0.998	0.999	1.000
8640.0	0.729	0.823	0.872	0.920	0.953	0.969	0.977	0.986	0.990	0.993	0.997	0.998	0.999	1.000	1.000
8650.0	0.708	0.807	0.861	0.908	0.938	0.956	0.970	0.982	0.988	0.992	0.996	0.997	0.998	0.999	1.000
8660.0	0.686	0.797	0.850	0.898	0.933	0.951	0.967	0.980	0.987	0.991	0.995	0.997	0.998	0.999	1.000
8670.0	0.708	0.805	0.859	0.900	0.935	0.956	0.969	0.981	0.987	0.992	0.995	0.997	0.998	0.999	1.000
8680.0	0.626	0.746	0.814	0.868	0.914	0.939	0.957	0.974	0.982	0.988	0.993	0.996	0.997	0.999	1.000
8690.0	0.609	0.733	0.804	0.858	0.906	0.934	0.955	0.973	0.981	0.987	0.993	0.995	0.997	0.998	0.999
8700.0	0.667	0.784	0.841	0.885	0.920	0.940	0.955	0.972	0.985	0.990	0.994	0.996	0.998	0.999	0.999
8710.0	0.663	0.791	0.851	0.893	0.932	0.953	0.967	0.980	0.987	0.991	0.995	0.997	0.998	0.999	1.000
8720.0	0.701	0.826	0.878	0.920	0.951	0.967	0.976	0.985	0.990	0.992	0.995	0.997	0.998	0.999	1.000
8730.0	0.632	0.750	0.811	0.869	0.916	0.941	0.959	0.975	0.982	0.988	0.993	0.995	0.997	0.998	0.999
8740.0	0.644	0.759	0.821	0.874	0.920	0.944	0.960	0.976	0.983	0.989	0.993	0.995	0.997	0.998	0.999
8750.0	0.669	0.778	0.836	0.882	0.925	0.947	0.961	0.976	0.985	0.990	0.994	0.996	0.998	0.999	0.999
8760.0	0.667	0.774	0.834	0.883	0.926	0.948	0.963	0.977	0.985	0.990	0.994	0.996	0.998	0.999	0.999
8770.0	0.652	0.768	0.830	0.878	0.923	0.946	0.962	0.978	0.986	0.991	0.995	0.997	0.998	0.999	1.000
8780.0	0.585	0.717	0.785	0.842	0.892	0.921	0.945	0.968	0.980	0.989	0.994	0.997	0.998	0.999	0.999
8790.0	0.606	0.567	0.869	0.734	0.838	0.884	0.919	0.949	0.969	0.983	0.994	0.997	0.998	0.999	0.999
8800.0	0.219	0.314	0.484	0.644	0.803	0.878	0.943	0.968	0.978	0.985	0.992	0.995	0.997	0.998	0.999
8810.0	0.252	0.384	0.540	0.659	0.784	0.858	0.925	0.959	0.977	0.986	0.993	0.995	0.997	0.998	0.999
8820.0	0.461	0.616	0.712	0.788	0.861	0.901	0.930	0.956	0.969	0.979	0.988	0.992	0.995	0.997	0.998
8830.0	0.622	0.743	0.815	0.868	0.914	0.939	0.959	0.974	0.983	0.988	0.994	0.996	0.998	0.999	0.999
8840.0	0.691	0.758	0.824	0.875	0.920	0.944	0.961	0.975	0.984	0.989	0.994	0.996	0.998	0.999	0.999
8850.0	0.672	0.735	0.805	0.859	0.910	0.936	0.956	0.973	0.981	0.987	0.992	0.995	0.997	0.998	0.999
8860.0	0.651	0.744	0.815	0.866	0.916	0.939	0.958	0.974	0.982	0.988	0.993	0.995	0.997	0.998	0.999
8870.0	0.726	0.809	0.862	0.903	0.940	0.958	0.971	0.982	0.988	0.992	0.995	0.997	0.998	0.999	0.999
8880.0	0.669	0.761	0.827	0.887	0.929	0.951	0.966	0.980	0.988	0.991	0.995	0.997	0.998	0.999	0.999
8890.0	0.695	0.780	0.837	0.889	0.927	0.946	0.962	0.978	0.987	0.992	0.995	0.997	0.998	0.999	1.000
8900.0	0.612	0.752	0.819	0.878	0.917	0.942	0.961	0.975	0.983	0.988	0.993	0.995	0.997	0.999	0.999
8910.0	0.554	0.692	0.772	0.835	0.884	0.925	0.947	0.969	0.978	0.985	0.991	0.994	0.996	0.998	0.999
8920.0	0.564	0.701	0.781	0.841	0.889	0.926	0.950	0.970	0.979	0.985	0.991	0.994	0.996	0.998	0.999
8930.0	0.564	0.666	0.768	0.832	0.892	0.923	0.944	0.967	0.977	0.984	0.990	0.993	0.995	0.998	0.999
8940.0	0.535	0.677	0.761	0.826	0.880	0.921	0.944	0.965	0.976	0.983	0.990	0.993	0.995	0.998	0.999
8950.0	0.527	0.674	0.763	0.827	0.879	0.919	0.943	0.965	0.975	0.983	0.990	0.993	0.995	0.998	0.999
8960.0	0.612	0.756	0.808	0.862	0.912	0.938	0.957	0.973	0.982	0.988	0.993	0.996	0.997	0.999	0.999
8970.0	0.587	0.737	0.792	0.850	0.904	0.933	0.953	0.971	0.980	0.987	0.992	0.995	0.997	0.999	0.999
8980.0	0.609	0.753	0.805	0.859	0.908	0.934	0.954	0.972	0.981	0.987	0.993	0.996	0.997	0.999	0.999
8990.0	0.713	0.811	0.865	0.904	0.937	0.954	0.970	0.982	0.988	0.992	0.995	0.997	0.998	0.999	1.000
9000.0	0.725	0.821	0.872	0.906	0.937	0.954	0.970	0.982	0.988	0.992	0.995	0.997	0.998	0.999	1.000
9010.0	0.680	0.792	0.849	0.892	0.932	0.952	0.967	0.980	0.987	0.991	0.995	0.997	0.998	1.000	1.000
9020.0	0.707	0.805	0.859	0.900	0.938	0.957	0.972	0.982	0.988	0.993	0.996	0.998	0.999	1.000	1.000
9030.0	0.755	0.841	0.887	0.921	0.952	0.967	0.978	0.987	0.992	0.995	0.997	0.999	1.000	1.000	1.000
9040.0	0.690	0.811	0.867	0.911	0.945	0.962	0.976	0.985	0.991	0.994	0.997	0.998	0.999	1.000	1.000
9050.0	0.715	0.818	0.865	0.902	0.939	0.956	0.971	0.982	0.988	0.992	0.996	0.997	0.998	0.999	1.000
9060.0	0.817	0.886	0.919	0.944	0.966	0.977	0.985	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
9070.0	0.777	0.862	0.898	0.927	0.952	0.968	0.979	0.986	0.992	0.995	0.997	0.998	0.999	1.000	1.000
9080.0	0.773	0.858	0.900	0.931	0.957	0.971	0.980	0.988	0.992	0.995	0.997	0.999	0.999	1.000	1.000
9090.0	0.803	0.878	0.912	0.939	0.962	0.974	0.983	0.989	0.993	0.996	0.997	0.999	0.999	1.000	1.000
9100.0	0.807	0.878	0.911	0.943	0.964	0.975	0.984	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000
9110.0	0.816	0.882	0.918	0.943	0.966	0.977	0.985	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
9120.0	0.868	0.909	0.933	0.954	0.973	0.982	0.988	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000
9130.0	0.827	0.894	0.923	0.946	0.967	0.978	0.986	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
9140.0	0.885	0.931	0.952	0.968	0.978	0.985	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9150.0	0.906	0.945	0.962	0.974	0.982	0.988	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9160.0	0.861	0.900	0.925	0.945	0.961	0.971	0.981	0.987	0.991	0.994	0.996	0.998	0.999	1.000	1.000
9170.0	0.862	0.902	0.930	0.948	0.964	0.975	0.983	0.989	0.993	0.995	0.997	0.998	0.999	1.000	1.000
9180.0	0.883	0.917	0.940	0.956	0.969	0.978	0.986	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000
9190.0	0.903	0.938	0.957	0.971	0.980	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9200.0	0.889	0.931	0.951	0.964	0.981	0.989	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9210.0	0.886	0.930	0.952	0.969	0.980	0.987	0.991	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000
9220.0	0.893	0.934	0.955	0.972	0.982	0.989	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9230.0	0.892	0.933	0.953	0.969	0.981	0.988	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9240.0	0.913	0.947	0.963	0.975	0.985	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9250.0	0.932	0.956	0.972	0.981	0.989	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
9260.0	0.942	0.966	0.978	0.986	0.990	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
9270.0	0.954	0.972	0.983	0.988	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9280.0	0.967	0.976	0.986	0.989	0.994	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9290.0	0.952	0.967	0.980	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9300.0	0.954	0.972	0.981	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9310.0	0.967	0.982	0.987	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9320.0	0.966	0.980	0.986	0.991	0.994	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9330.0	0.978	0.985	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9340.0	0.982	0.977	0.986	0.988	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9350.0	0.975	0.985	0.990	0.994	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9360.0	0.976	0.985	0.989	0.993	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9370.0	0.984	0.991	0.994	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9380.0	0.987	0.992	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9390.0	0.985	0.990	0.994	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9400.0	0.984	0.990	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9410.0	0.991	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9420.0	0.989	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9430.0	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9440.0	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9450.0	0.993	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9460.0	0.992	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9470.0	0.989	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9480.0	0.988	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9490.0	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9500.0	0.987	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9510.0	0.989	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9520.0	0.989	0.994	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9530.0	0.994	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9540.0	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9550.0	0.988	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9560.0	0.989	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9570.0	0.992	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9580.0	0.973	0.988	0.993	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9590.0	0.974	0.989	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9600.0	0.964	0.978	0.986	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9610.0	0.960	0.975	0.982	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9620.0	0.965	0.981	0.987	0.991	0.994	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9630.0	0.972	0.981	0.987	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9640.0	0.968	0.980	0.986	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9650.0	0.970	0.982	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9660.0	0.954	0.972	0.981	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9670.0	0.953	0.965	0.961	0.973	0.985	0.989	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9680.0	0.957	0.961	0.958	0.971	0.982	0.988	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
9690.0	0.964	0.959	0.957	0.970	0.982	0.988	0.992	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000
9700.0	0.913	0.945	0.961	0.975	0.985	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
9710.0	0.934	0.958	0.970	0.979	0.987	0.991	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
9720.0	0.945	0.962	0.972	0.980	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9730.0	0.923	0.952	0.966	0.977	0.986	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
9740.0	0.892	0.932	0.952	0.969	0.979	0.986	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9750.0	0.903	0.939	0.957	0.970	0.982	0.987	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000

WATER VAPOR AT 0.01 ATMOSPHERE PRESSURE

T = 250° K

AVERAGED OVER 20cm $^{-1}$

WATER VAPOR AT 0.01 ATMOSPHERE PRESSURE

T=250° K

AVERAGED OVER $20cm^{-1}$

FREQ.	U[PR.CM.] 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
4810.0	0.844	0.902	0.931	0.951	0.970	0.979	0.985	0.991	0.994	0.996	0.998	0.998	0.999	1.000	1.000
4820.0	0.703	0.788	0.851	0.892	0.930	0.950	0.965	0.979	0.985	0.990	0.996	0.997	0.998	0.999	0.999
4830.0	0.693	0.783	0.843	0.886	0.926	0.947	0.963	0.978	0.983	0.989	0.995	0.997	0.998	0.999	0.999
4840.0	0.780	0.855	0.895	0.924	0.952	0.966	0.973	0.983	0.988	0.993	0.997	0.998	0.999	0.999	0.999
4850.0	0.867	0.916	0.940	0.958	0.974	0.981	0.987	0.992	0.995	0.998	0.998	0.998	0.999	1.000	1.000
4860.0	0.893	0.935	0.954	0.967	0.980	0.986	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000
4870.0	0.873	0.921	0.944	0.960	0.975	0.982	0.988	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000
4880.0	0.873	0.921	0.944	0.960	0.975	0.983	0.988	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000
4890.0	0.858	0.911	0.936	0.954	0.971	0.979	0.985	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
4900.0	0.820	0.880	0.906	0.933	0.957	0.970	0.979	0.987	0.991	0.994	0.996	0.998	0.999	0.999	1.000
4910.0	0.847	0.900	0.929	0.950	0.969	0.978	0.985	0.991	0.994	0.996	0.998	0.998	0.999	1.000	1.000
4920.0	0.819	0.885	0.918	0.942	0.963	0.974	0.982	0.989	0.992	0.995	0.997	0.998	0.999	0.999	1.000
4930.0	0.809	0.878	0.913	0.939	0.962	0.973	0.981	0.989	0.992	0.995	0.997	0.998	0.999	0.999	1.000
4940.0	0.823	0.887	0.920	0.944	0.966	0.976	0.983	0.990	0.993	0.995	0.997	0.998	0.999	1.000	1.000
4950.0	0.829	0.888	0.923	0.947	0.967	0.978	0.985	0.991	0.994	0.996	0.998	0.998	0.999	1.000	1.000
4960.0	0.823	0.888	0.920	0.944	0.966	0.976	0.984	0.990	0.993	0.995	0.998	0.998	0.999	1.000	1.000
4970.0	0.838	0.893	0.927	0.950	0.969	0.978	0.985	0.991	0.994	0.996	0.998	0.998	0.999	1.000	1.000
4980.0	0.807	0.874	0.912	0.942	0.964	0.975	0.983	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000
4990.0	0.792	0.864	0.904	0.932	0.958	0.971	0.980	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000
5000.0	0.759	0.836	0.883	0.920	0.950	0.965	0.975	0.985	0.990	0.993	0.996	0.997	0.998	0.999	0.999
5010.0	0.692	0.796	0.852	0.893	0.932	0.952	0.966	0.979	0.986	0.990	0.994	0.996	0.998	0.999	0.999
5020.0	0.710	0.813	0.864	0.902	0.938	0.956	0.969	0.981	0.987	0.992	0.995	0.997	0.998	0.999	0.999
5030.0	0.712	0.809	0.861	0.900	0.936	0.955	0.968	0.980	0.987	0.991	0.995	0.997	0.998	0.999	0.999
5040.0	0.661	0.776	0.835	0.882	0.925	0.946	0.962	0.977	0.985	0.990	0.994	0.996	0.998	0.999	0.999
5050.0	0.646	0.761	0.825	0.874	0.919	0.942	0.960	0.975	0.985	0.989	0.993	0.996	0.997	0.999	0.999
5060.0	0.662	0.772	0.835	0.881	0.924	0.946	0.962	0.978	0.986	0.989	0.993	0.995	0.997	0.998	0.999
5070.0	0.636	0.756	0.823	0.872	0.918	0.942	0.960	0.976	0.985	0.989	0.993	0.995	0.997	0.998	0.999
5080.0	0.570	0.705	0.783	0.843	0.899	0.928	0.950	0.968	0.978	0.985	0.991	0.994	0.996	0.998	0.999
5090.0	0.574	0.712	0.795	0.854	0.905	0.932	0.953	0.972	0.981	0.987	0.992	0.995	0.997	0.998	0.999
5100.0	0.531	0.671	0.754	0.819	0.882	0.916	0.941	0.963	0.975	0.983	0.990	0.993	0.996	0.997	0.998
5110.0	0.444	0.603	0.707	0.779	0.855	0.898	0.926	0.956	0.968	0.978	0.987	0.991	0.994	0.996	0.998
5120.0	0.413	0.585	0.699	0.772	0.851	0.894	0.923	0.954	0.967	0.977	0.986	0.991	0.994	0.996	0.998
5130.0	0.329	0.501	0.617	0.713	0.809	0.861	0.896	0.936	0.954	0.969	0.982	0.988	0.992	0.995	0.997
5140.0	0.251	0.438	0.560	0.668	0.778	0.830	0.866	0.914	0.938	0.958	0.975	0.984	0.990	0.994	0.996
5150.0	0.284	0.469	0.591	0.695	0.798	0.848	0.884	0.928	0.948	0.966	0.979	0.987	0.992	0.995	0.997
5160.0	0.178	0.365	0.495	0.593	0.720	0.781	0.844	0.901	0.931	0.952	0.970	0.979	0.986	0.991	0.994
5170.0	0.162	0.360	0.496	0.592	0.724	0.784	0.848	0.904	0.934	0.954	0.971	0.980	0.987	0.991	0.994
5180.0	0.132	0.342	0.492	0.598	0.734	0.795	0.858	0.912	0.940	0.959	0.974	0.982	0.988	0.992	0.995
5190.0	0.126	0.346	0.498	0.608	0.748	0.808	0.870	0.921	0.946	0.963	0.976	0.984	0.989	0.993	0.995
5200.0	0.126	0.350	0.508	0.622	0.764	0.823	0.882	0.930	0.952	0.967	0.979	0.986	0.991	0.994	0.996
5210.0	0.543	0.669	0.767	0.840	0.904	0.934	0.959	0.978	0.985	0.990	0.994	0.996	0.998	0.999	0.999
5220.0	0.561	0.688	1.322	0.857	0.919	0.947	0.968	0.982	0.989	0.992	0.995	0.997	0.998	0.999	0.999
5230.0	0.754	0.811	0.799	0.824	0.886	0.917	0.942	0.965	0.976	0.985	0.991	0.994	0.997	0.998	0.999
5240.0	0.734	0.793	0.779	0.804	0.869	0.901	0.931	0.957	0.971	0.982	0.989	0.993	0.996	0.997	0.998
5250.0	0.734	0.793	0.778	0.803	0.868	0.899	0.931	0.956	0.970	0.981	0.989	0.992	0.996	0.997	0.998
5260.0	0.625	0.685	0.672	0.699	0.766	0.803	0.839	0.875	0.899	0.923	0.947	0.963	0.978	0.986	0.991
5270.0	0.615	0.675	0.662	0.689	0.756	0.793	0.829	0.866	0.890	0.915	0.940	0.957	0.974	0.984	0.990
5280.0	0.563	0.621	0.607	0.633	0.699	0.735	0.771	0.809	0.834	0.860	0.888	0.909	0.935	0.955	0.971
5290.0	0.563	0.621	0.607	0.633	0.699	0.735	0.771	0.809	0.834	0.860	0.888	0.909	0.935	0.955	0.971
5300.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5310.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5320.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5330.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5340.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5350.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5360.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5370.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5380.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5390.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5400.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5410.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5420.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5430.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5440.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5450.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5460.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5470.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5480.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5490.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5500.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5510.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5520.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5530.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5540.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5550.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5560.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5570.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5580.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5590.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980
5600.0	0.571	0.631	0.618	0.645	0.712	0.749	0.786	0.824	0.850	0.876	0.904	0.925	0.950	0.968	0.980

FREQ.	U[PR.CM.] 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
6010.0	0.924	0.952	0.966	0.976	0.985	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000
6020.0	0.921	0.950	0.965	0.975	0.985	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000
6030.0	0.909	0.942	0.959	0.971	0.982	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
6040.0	0.902	0.937	0.956	0.969	0.981	0.986	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000
6050.0	0.901	0.937	0.956	0.969	0.981	0.986	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000
6060.0	0.928	0.956	0.969	0.980	0.988	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000
6070.0	0.928	0.956	0.969	0.980	0.988	0.990	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000
6080.0	0.923	0.952	0.965	0.977	0.986	0.991	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000
6090.0	0.902	0.936	0.955	0.968	0.980	0.986	0.991	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000
6100.0	0.902	0.936	0.955	0.968	0.980	0.986	0.991	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000
6110.0	0.868	0.908	0.931	0.954	0.974	0.982	0.988	0.992	0.994	0.997	0.998	0.999	0.999	1.000	1.000
6120.0	0.868	0.908	0.931	0.954	0.974	0.982	0.988	0.992	0.994	0.997	0.998	0.999	0.999	1.000	1.000
6130.0	0.871	0.916	0.939	0.957	0.972	0.981	0.987	0.992	0.995	0.996	0.998	0.999	0.999	1.000	1.000
6140.0	0.871	0.916	0.939	0.957	0.972	0.981	0.987	0.992	0.995	0.996	0.998	0.999	0.999	1.000	1.000
6150.0	0.843	0.894	0.923	0.943	0.969	0.979	0.985	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000
6160.0	0.848	0.897	0.927	0.946	0.968	0.978	0.985	0.990	0.994	0.996	0.998	0.998	0.999	1.000	1.000
6170.0	0.844	0.894	0.924	0.944	0.967	0.977	0.984	0.990	0.994	0.996	0.998	0.998	0.999	1.000	1.000
6180.0	0.844	0.894	0.924	0.944	0.967	0.977	0.984	0.990	0.994	0.996	0.998	0.998	0.999	1.000	1.000
6190.0	0.844	0.894	0.924	0.944	0.967	0.977	0.984	0.990	0.994	0.996	0.998	0.998	0.999	1.000	1.000
6200.0	0.844	0.894	0.924	0.944	0.967	0.977	0.984	0.990	0.994	0.996	0.998	0.998	0.999	1.000	1.000
6210.0	0.843	0.894	0.924	0.944	0.967	0.977	0.984	0.990	0.994	0.996	0.998	0.998	0.999	1.000	1.000
6220.0	0.816	0.863	0.893	0.915	0.945	0.960	0.973	0.983	0.989	0.993	0.996	0.997	0.998	0.999	0.999
6230.0	0.816	0.863	0.893	0.915	0.945	0.960	0.973	0.983	0.989	0.993	0.996	0.997	0.998	0.999	0.999
6240.0	0.843	0.893	0.923	0.944	0.967	0.977	0.984	0.990	0.994	0.996	0.998	0.998	0.999	1.000	1.000
6250.0	0.843	0.893	0.923	0.944	0.967	0.977	0.984	0.990	0.994	0.996	0.998	0.998	0.999	1.000	1.000
6260.0	0.879	0.927	0.946	0.962	0.978	0.986	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000
6270.0	0.879	0.927	0.946	0.962	0.978	0.986	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000
6280.0	0.851	0.904	0.937	0.952	0.970	0.979	0.986	0.992	0.995	0.996	0.998	0.999	0.999	1.000	1.000
6290.0	0.851	0.904	0.937	0.952	0.970	0.979	0.986	0.992	0.995	0.996	0.998	0.999	0.999	1.000	1.000
6300.0	0.816	0.861	0.892	0.914	0.942	0.957	0.970	0.982	0.989	0.993	0.996	0.997	0.998	0.999	0.999
6310.0	0.822	0.872	0.902	0.925	0.953	0.967	0.977	0.986	0.991	0.994	0.997	0.998	0.999	0.999	1.000
6320.0	0.793	0.845	0.879	0.904	0.936	0.954	0.969	0.981	0.988	0.992	0.996	0.997	0.998	0.999	0.999
6330.0	0.793	0.845	0.879	0.904	0.936	0.954	0.969	0.981	0.988	0.992	0.996	0.997	0.998	0.999	0.999
6340.0	0.793	0.845	0.879	0.904	0.936	0.954	0.969	0.981	0.988	0.992	0.996	0.997	0.998	0.999	0.999
6350.0	0.793	0.845	0.879	0.904	0.936	0.954	0.969	0.981	0.988	0.992	0.996	0.997	0.998	0.999	0.999
6360.0	0.793	0.845	0.879	0.904	0.936	0.954	0.969	0.981	0.988	0.992	0.996	0.997	0.998	0.999	0.999
6370.0	0.793	0.845	0.879	0.904	0.936	0.954	0.969	0.981	0.988	0.992	0.996	0.997	0.998	0.999	0.999
6380.0	0.793	0.845	0.879	0.904	0.936	0.954	0.969	0.981	0.988	0.992	0.996	0.997	0.998	0.999	0.999
6390.0	0.793	0.845	0.879	0.904	0.936	0.954	0.969	0.981	0.988	0.992	0.996	0.997	0.998	0.999	0.999
6400.0	0.793	0.845	0.879	0.904	0.936	0.954	0.969	0.981	0.988	0.992	0.996	0.997	0.998	0.999	0.999
6410.0	0.793	0.845	0.879	0.904	0.936	0.954	0.969	0.981	0.988	0.992	0.996	0.997	0.998	0.999	0.999
6420.0	0.793	0.845	0.879	0.904	0.936	0.954	0.969	0.981	0.988	0.992	0.996	0.997	0.998	0.999	0.999
6430.0	0.793	0.845	0.879	0.904	0.936	0.954	0.969	0.981	0.988	0.992	0.996	0.997	0.998	0.999	0.999
6440.0	0.793	0.845	0.879	0.904	0.936	0.954	0.969	0.981	0.988	0.992	0.996	0.997	0.998	0.999	0.999
6450.0	0.793	0.845	0.879	0.904	0.936	0.954	0.969	0.981	0.988	0.992	0.996	0.997	0.998	0.999	0.999
6460.0	0.793	0.845	0.879	0.904	0.936	0.954	0.969	0.981	0.988	0.992	0.996	0.997	0.998	0.999	0.999
6470.0	0.793	0.845	0.879	0.904	0.936	0.954	0.969	0.981	0.988	0.992	0.996	0.997	0.998	0.999	0.999
6480.0	0.793	0.845	0.879	0.904	0.936	0.954	0.969	0.981	0.988	0.992	0.996	0.997	0.998	0.999	0.999
6490.0	0.793	0.845	0.879	0.904	0.936	0.954	0.969	0.981	0.988	0.992	0.996	0.997	0.998	0.999	0.999
6500.0	0.793	0.845	0.879	0.904	0.936	0.954	0.969	0.981	0.988	0.992	0.996	0.997	0.998	0.999	0.999
6510.0	0.793	0.845	0.879	0.904	0.936	0.954	0.969	0.981	0.988	0.992	0.996	0.997	0.998	0.999	0.999
6520.0	0.793	0.845	0.879	0.904	0.936	0.954	0.969	0.981	0.988	0.992	0.996	0.997	0.998	0.999	0.999
6530.0	0.793	0.845	0.879	0.904	0.936	0.954	0.969	0.981	0.988	0.992	0.996	0.997	0.998	0.999	0.999
6540.0	0.768	0.818	0.851	0.877	0.912	0.933	0.952	0.968	0.977	0.986	0.994	0.996	0.998	0.999	0.999
6550.0	0.768	0.818	0.851	0.877	0.912	0.933	0.952	0.968	0.977	0.986	0.994	0.996	0.998	0.999	0.999
6560.0	0.768	0.818	0.851	0.877	0.912	0.933	0.952	0.968	0.977	0.986	0.994	0.996	0.998	0.999	0.999
6570.0	0.768	0.818	0.851	0.877	0.912	0.933	0.952	0.968	0.977	0.986	0.994	0.996	0.998	0.999	0.999
6580.0	0.768	0.818	0.851	0.877	0.912	0.933	0.952	0.968	0.977	0.986	0.994	0.996	0.998	0.999	0.999
6590.0	0.768	0.818	0.851	0.877	0.912	0.933	0.952	0.968	0.977	0.986	0.994	0.996	0.998	0.999	0.999
6600.0	0.768	0.818	0.851	0.877	0.912	0.933	0.952	0.968	0.977	0.986	0.994	0.996	0.998	0.999	0.999
6610.0	0.768	0.818	0.851	0.877	0.912	0.933	0.952	0.968	0.977	0.986	0.994	0.996	0.998	0.999	0.999
6620.0	0.768	0.818	0.851	0.877	0.912	0.933	0.952	0.968	0.977	0.986	0.994	0.996	0.998	0.999	0.999
6630.0	0.768	0.818	0.851	0.877	0.912	0.933	0.952	0.968	0.977	0.986	0.994	0.996	0.998	0.999	0.999
6640.0	0.768	0.818	0.851	0.877	0.912	0.933	0.952	0.968	0.977	0.986	0.994	0.996	0.998	0.999	0.999
6650.0	0.768	0.818	0.851	0.877	0.912	0.933	0.952	0.968	0.977	0.986	0.994	0.996	0.998	0.999	0.999
6660.0	0.768	0.818	0.851	0.877	0.912	0.933	0.952	0.968	0.977	0.986	0.994	0.996	0.998	0.999	0.999
6670.0	0.768	0.818	0.851	0.877	0.912	0.933	0.952	0.968	0.977	0.986	0.994	0.996	0.998	0.999	0.999
6680.0	0.768	0.818	0.851	0.877	0.912	0.933	0.952	0.968	0.977	0.986	0.994	0.996	0.998	0.999	0.999
6690.0	0.768	0.818	0.851	0.877	0.912	0.933	0.952	0.968	0.977	0.986	0.994	0.996	0.998	0.999	0.999
6700.0	0.768	0.818	0.851	0.877	0.912	0.933	0.952	0.968	0.977	0.986	0.994	0.996	0.998	0.999	0.999

FREQ.	U[PR.CM.] 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
7240.0	0.208	0.388	0.522	0.639	0.758	0.825	0.876	0.920	0.944	0.960	0.976	0.983	0.988	0.993	0.995
7270.0	0.215	0.389	0.532	0.647	0.765	0.828	0.877	0.921	0.945	0.961	0.976	0.983	0.988	0.993	0.995
7280.0	0.245	0.419	0.564	0.683	0.798	0.859	0.877	0.921	0.945	0.961	0.976	0.983	0.989	0.993	0.996
7290.0	0.230	0.393	0.515	0.629	0.749	0.813	0.863	0.912	0.937	0.956	0.973	0.981	0.987	0.992	0.995
7300.0	0.178	0.351	0.486	0.606	0.732	0.804	0.854	0.909	0.936	0.955	0.973	0.981	0.987	0.992	0.995
7310.0	0.135	0.298	0.431	0.555	0.690	0.769	0.831	0.890	0.922	0.945	0.966	0.976	0.983	0.990	0.993
7320.0	0.128	0.312	0.463	0.596	0.743	0.829	0.895	0.943	0.965

WATER VAPOR AT 0.01 ATMOSPHERE PRESSURE
T=250° K
AVERAGED OVER 20cm^{-1}

FREQ.	UPR.CM] 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
8510.0	0.930	0.890	0.922	0.944	0.965	0.976	0.987	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000
8520.0	0.935	0.893	0.924	0.944	0.966	0.977	0.986	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000
8530.0	0.938	0.909	0.936	0.955	0.972	0.980	0.986	0.992	0.994	0.996	0.998	0.999	0.999	0.999	1.000
8540.0	0.820	0.883	0.917	0.941	0.963	0.976	0.982	0.989	0.992	0.995	0.997	0.998	0.999	0.999	1.000
8550.0	0.817	0.851	0.915	0.940	0.962	0.975	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000
8560.0	0.843	0.898	0.927	0.944	0.967	0.977	0.984	0.990	0.993	0.995	0.997	0.998	0.999	1.000	1.000
8570.0	0.761	0.910	0.936	0.955	0.972	0.980	0.986	0.992	0.994	0.996	0.998	0.999	0.999	1.000	1.000
8580.0	0.864	0.912	0.938	0.956	0.973	0.981	0.987	0.992	0.995	0.996	0.998	0.999	0.999	1.000	1.000
8590.0	0.851	0.915	0.932	0.952	0.970	0.978	0.985	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
8600.0	0.806	0.874	0.911	0.937	0.961	0.973	0.981	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000
8610.0	0.828	0.888	0.922	0.945	0.966	0.977	0.984	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
8620.0	0.807	0.874	0.910	0.936	0.960	0.972	0.981	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000
8630.0	0.766	0.846	0.896	0.921	0.950	0.965	0.976	0.985	0.990	0.993	0.996	0.998	0.999	0.999	1.000
8640.0	0.795	0.869	0.907	0.934	0.959	0.971	0.980	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000
8650.0	0.784	0.859	0.899	0.928	0.955	0.968	0.978	0.986	0.991	0.994	0.997	0.998	0.999	1.000	1.000
8660.0	0.767	0.847	0.890	0.922	0.951	0.966	0.976	0.985	0.990	0.993	0.996	0.998	0.999	0.999	1.000
8670.0	0.782	0.857	0.897	0.927	0.954	0.968	0.977	0.986	0.991	0.994	0.996	0.998	0.999	1.000	1.000
8680.0	0.719	0.812	0.863	0.902	0.938	0.958	0.969	0.981	0.988	0.991	0.995	0.996	0.998	0.999	1.000
8690.0	0.705	0.803	0.853	0.897	0.935	0.955	0.968	0.980	0.988	0.991	0.994	0.996	0.998	0.999	0.999
8700.0	0.753	0.838	0.883	0.917	0.948	0.963	0.974	0.984	0.989	0.993	0.996	0.997	0.998	0.999	1.000
8710.0	0.766	0.847	0.891	0.922	0.951	0.966	0.976	0.985	0.990	0.993	0.996	0.997	0.999	0.999	1.000
8720.0	0.779	0.856	0.898	0.927	0.954	0.968	0.978	0.987	0.991	0.994	0.997	0.998	0.999	0.999	1.000
8730.0	0.722	0.815	0.866	0.904	0.939	0.959	0.970	0.982	0.989	0.991	0.995	0.997	0.998	0.999	1.000
8740.0	0.732	0.822	0.871	0.908	0.942	0.959	0.971	0.982	0.989	0.992	0.995	0.997	0.998	0.999	1.000
8750.0	0.750	0.834	0.880	0.914	0.945	0.962	0.973	0.983	0.989	0.992	0.996	0.997	0.998	0.999	0.999
8760.0	0.748	0.831	0.877	0.912	0.944	0.961	0.973	0.983	0.989	0.992	0.995	0.997	0.998	0.999	0.999
8770.0	0.738	0.826	0.874	0.911	0.943	0.961	0.973	0.984	0.989	0.993	0.996	0.998	0.999	0.999	1.000
8780.0	0.685	0.795	0.848	0.891	0.931	0.952	0.967	0.980	0.987	0.991	0.995	0.997	0.998	0.999	0.999
8790.0	0.529	0.667	0.751	0.817	0.881	0.916	0.941	0.968	0.980	0.988	0.994	0.996	0.998	0.999	0.999
8800.0	0.325	0.475	0.584	0.680	0.782	0.840	0.884	0.926	0.947	0.963	0.977	0.985	0.992	0.996	0.998
8810.0	0.357	0.503	0.607	0.698	0.794	0.849	0.890	0.929	0.950	0.965	0.978	0.985	0.992	0.996	0.998
8820.0	0.379	0.516	0.621	0.706	0.799	0.852	0.894	0.932	0.952	0.967	0.979	0.986	0.992	0.996	0.998
8830.0	0.316	0.513	0.665	0.724	0.819	0.867	0.905	0.941	0.959	0.971	0.982	0.989	0.994	0.997	0.998
8840.0	0.731	0.822	0.872	0.908	0.941	0.959	0.971	0.982	0.988	0.992	0.995	0.997	0.998	0.999	0.999
8850.0	0.706	0.803	0.856	0.897	0.934	0.954	0.968	0.980	0.988	0.992	0.995	0.997	0.998	0.999	0.999
8860.0	0.720	0.812	0.864	0.902	0.938	0.956	0.969	0.981	0.987	0.991	0.995	0.996	0.998	0.999	0.999
8870.0	0.785	0.861	0.901	0.930	0.956	0.970	0.979	0.987	0.991	0.995	0.997	0.998	0.999	0.999	1.000
8880.0	0.755	0.840	0.885	0.919	0.948	0.965	0.975	0.985	0.990	0.993	0.996	0.998	0.999	0.999	1.000
8890.0	0.776	0.853	0.897	0.927	0.954	0.968	0.978	0.987	0.991	0.994	0.997	0.998	0.999	0.999	1.000
8900.0	0.724	0.817	0.868	0.905	0.940	0.958	0.971	0.982	0.988	0.992	0.995	0.997	0.998	0.999	0.999
8910.0	0.660	0.771	0.833	0.878	0.923	0.945	0.962	0.977	0.984	0.989	0.993	0.995	0.997	0.998	0.999
8920.0	0.670	0.778	0.839	0.885	0.927	0.948	0.964	0.978	0.985	0.989	0.993	0.995	0.997	0.998	0.999
8930.0	0.693	0.768	0.830	0.877	0.922	0.944	0.961	0.976	0.983	0.988	0.993	0.995	0.997	0.998	0.999
8940.0	0.644	0.729	0.796	0.860	0.913	0.940	0.960	0.975	0.983	0.988	0.993	0.995	0.997	0.998	0.999
8950.0	0.637	0.754	0.821	0.871	0.918	0.942	0.959	0.974	0.982	0.988	0.993	0.995	0.997	0.998	0.999
8960.0	0.707	0.805	0.859	0.899	0.936	0.955	0.969	0.981	0.987	0.991	0.995	0.996	0.998	0.999	0.999
8970.0	0.685	0.789	0.847	0.890	0.930	0.951	0.966	0.979	0.985	0.990	0.994	0.996	0.998	0.999	0.999
8980.0	0.702	0.801	0.856	0.897	0.934	0.954	0.968	0.980	0.986	0.991	0.994	0.996	0.998	0.999	0.999
8990.0	0.785	0.860	0.901	0.930	0.956	0.969	0.978	0.987	0.991	0.994	0.997	0.998	0.999	0.999	1.000
9000.0	0.795	0.867	0.905	0.933	0.958	0.971	0.979	0.987	0.991	0.994	0.997	0.998	0.999	1.000	1.000
9010.0	0.765	0.845	0.889	0.921	0.950	0.965	0.976	0.985	0.990	0.993	0.996	0.998	0.999	1.000	1.000
9020.0	0.778	0.855	0.896	0.926	0.954	0.968	0.978	0.987	0.991	0.994	0.997	0.998	0.999	1.000	1.000
9030.0	0.818	0.892	0.917	0.942	0.964	0.976	0.984	0.990	0.993	0.995	0.997	0.998	1.000	1.000	1.000
9040.0	0.760	0.841	0.886	0.919	0.949	0.965	0.976	0.985	0.990	0.994	0.996	0.998	0.999	0.999	1.000
9050.0	0.786	0.859	0.899	0.928	0.955	0.969	0.979	0.987	0.991	0.994	0.997	0.998	0.999	0.999	1.000
9060.0	0.766	0.845	0.889	0.921	0.950	0.965	0.976	0.985	0.990	0.993	0.996	0.998	0.999	1.000	1.000
9070.0	0.831	0.891	0.923	0.944	0.967	0.977	0.984	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
9080.0	0.737	0.895	0.926	0.949	0.967	0.978	0.985	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
9090.0	0.855	0.907	0.935	0.955	0.972	0.981	0.987	0.992	0.995	0.996	0.998	0.999	0.999	1.000	1.000
9100.0	0.857	0.908	0.936	0.955	0.973	0.982	0.988	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000
9110.0	0.864	0.913	0.939	0.958	0.975	0.983	0.989	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000
9120.0	0.858	0.909	0.937	0.956	0.974	0.983	0.988	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000
9130.0	0.913	0.946	0.963	0.976	0.985	0.990	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9140.0	0.901	0.938	0.957	0.970	0.982	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9150.0	0.879	0.923	0.946	0.963	0.977	0.985	0.989	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000
9160.0	0.884	0.927	0.949	0.965	0.979	0.986	0.990	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000
9170.0	0.898	0.936	0.955	0.969	0.981	0.987	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9180.0	0.935	0.957	0.972	0.979	0.987	0.990	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9190.0	0.927	0.955	0.969	0.978	0.986	0.990	0.994	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9200.0	0.919	0.950	0.965	0.976	0.985	0.990	0.994	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9210.0	0.918	0.949	0.965	0.976	0.985	0.990	0.994	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9220.0	0.929	0.953	0.967	0.977	0.986	0.991	0.994	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000
9230.0	0.922	0.951	0.966	0.977	0.986	0.990	0.993	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000
9240.0	0.937	0.961	0.973	0.982	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
9250.0	0.950	0.969	0.979	0.986	0.992	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9260.0	0.957	0.974	0.982	0.988	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9270.0	0.964	0.979	0.986	0.992	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9280.0	0.971	0.982	0.989	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9290.0	0.965	0.979	0.985	0.990	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9300.0	0.967	0.979	0.986	0.990	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9310.0	0.974	0.985	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9320.0	0.976	0.985	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9330.0	0.976	0.986	0.989	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9340.0	0.973	0.983	0.988	0.992	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9350.0	0.982	0.989	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9360.0	0.982	0.989	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.001	1.000
9370.0	0.984	0.991	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9380.0	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9390.0	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9400.0	0.988	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9410.0	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9420.0	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9430.0	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9440.0	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9450.0	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9460.0	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9470.0	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9480.0	0.991	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9490.0	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9500.0	0.991	0.994	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9510.0	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9520.0	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9530.0	0.989	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9540.0	0.994	0.996	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9550.0	0.994	0.996	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9560.0	0.994	0.996	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9570.0	0.994	0.996	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9580.0	0.985	0.991	0.994	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9590.0	0.987	0.992	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9600.0	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9610.0	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9620.0	0.990	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9630.0	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9640.0	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9650.0	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9660.0	0.988	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9670.0	0.988	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9680.0	0.988	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9690.0	0.988	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9700.0	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9710.0	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9720.0	0.990	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9730.0	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9740.0	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9750.0	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

FREQ.	UPR.CM] 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
9760.0	0.992	0.963	0.974	0.982	0.989	0.992	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000
9770.0	0.992	0.964	0.975	0.983	0.989	0.992	0.995	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000
9780.0	0.993	0.964	0.975	0.983	0.989	0.993	0.995	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000
9790.0	0.994	0.965	0.967	0.977	0.986	0.991	0.995	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9800.0	0.995	0.967	0.983	0.974	0.984	0.989	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9810.0	0.995	0.963	0.974	0.982	0.989	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9820.0	0.109	0.963	0.959	0.971	0.982	0.987	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9830.0	0.938	0.907	0.933	0.952	0.970	0.979	0.985	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
9840.0	0.977	0.914	0.962	0.969	0.974	0.982	0.987	0.992	0.995	0.996	0.998	0.999	0.999	1.000	1.000
9850.0	0.932	0.958	0.971	0.980	0.988	0.992	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
9860.0	0.967	0.914	0.938	0.957	0.973	0.981	0.987	0.992	0.994	0.996	0.998	0.999	0.999	1.000	1.000
9870.0	0.961	0.961	0.936	0.955	0.972	0.980	0.986	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
9880.0	0.929	0.956	0.970	0.330	0.988	0.992	0.994	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000
9890.0	0.923	0.952	0.967	0.978	0.987	0.991	0.994	0.996	0.998	0.999	0.999	0.999	1.000	1.000	1.000
9900.0	0.930	0.957	0.970	0.980	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
9910.0	0.981	0.927	0.949	0.964	0.978	0.985	0.989	0.994	0.996	0.997	0.998	0.999	1.000	1.000	1.000
9920.0	0.982	0.929	0.944	0.967	0.977	0.984	0.989	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000
9930.0	0.925	0.953	0.969	0.978	0.987	0.991	0.994	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000
9940.0	0.932	0.958	0.971	0.981	0.989	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
9950.0	0.921	0.953	0.968	0.977	0.986	0.991	0.994	0.996	0.998	0.998	0.999	0.999	1.000	1.000	1.000
9960.0	0.922	0.952	0.967	0.978	0.987	0.991	0.994	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000
9970.0	0.929	0.956	0.970	0.980	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
9980.0	0.916	0.944	0.961	0.973	0.984	0.989	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9990.0	0.931	0.959	0.957	0.978	0.988	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000

FREQ.	UPR.CM] 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001

WATER VAPOR AT 1.00 ATMOSPHERE PRESSURE

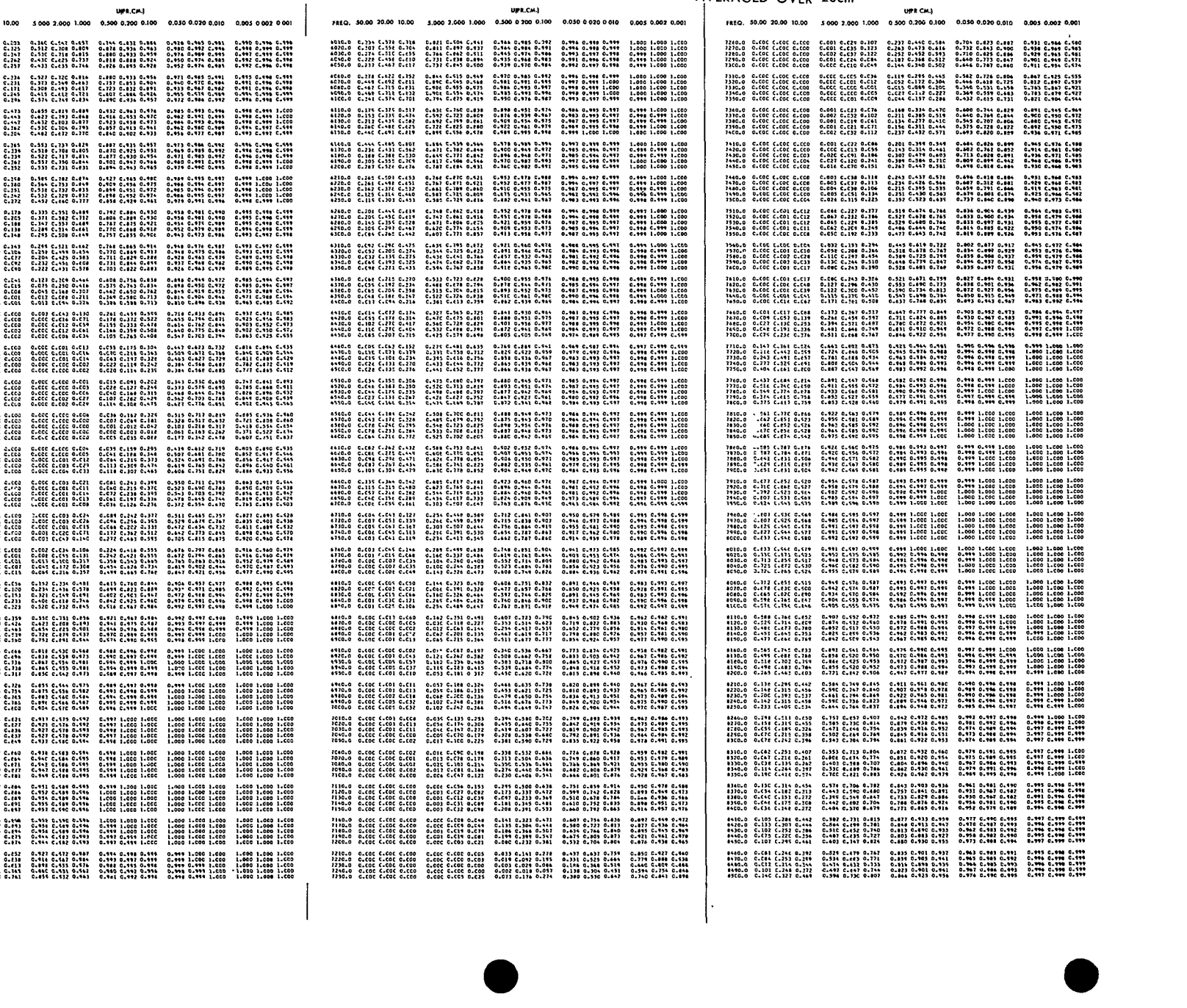
T=200° K

AVERAGED OVER 20cm^{-1}

WATER VAPOR AT 1.00 ATMOSPHERE PRESSURE

T=200° K

AVERAGED OVER 20cm^{-1}



WATER VAPOR AT 1.00 ATMOSPHERE PRESSURE

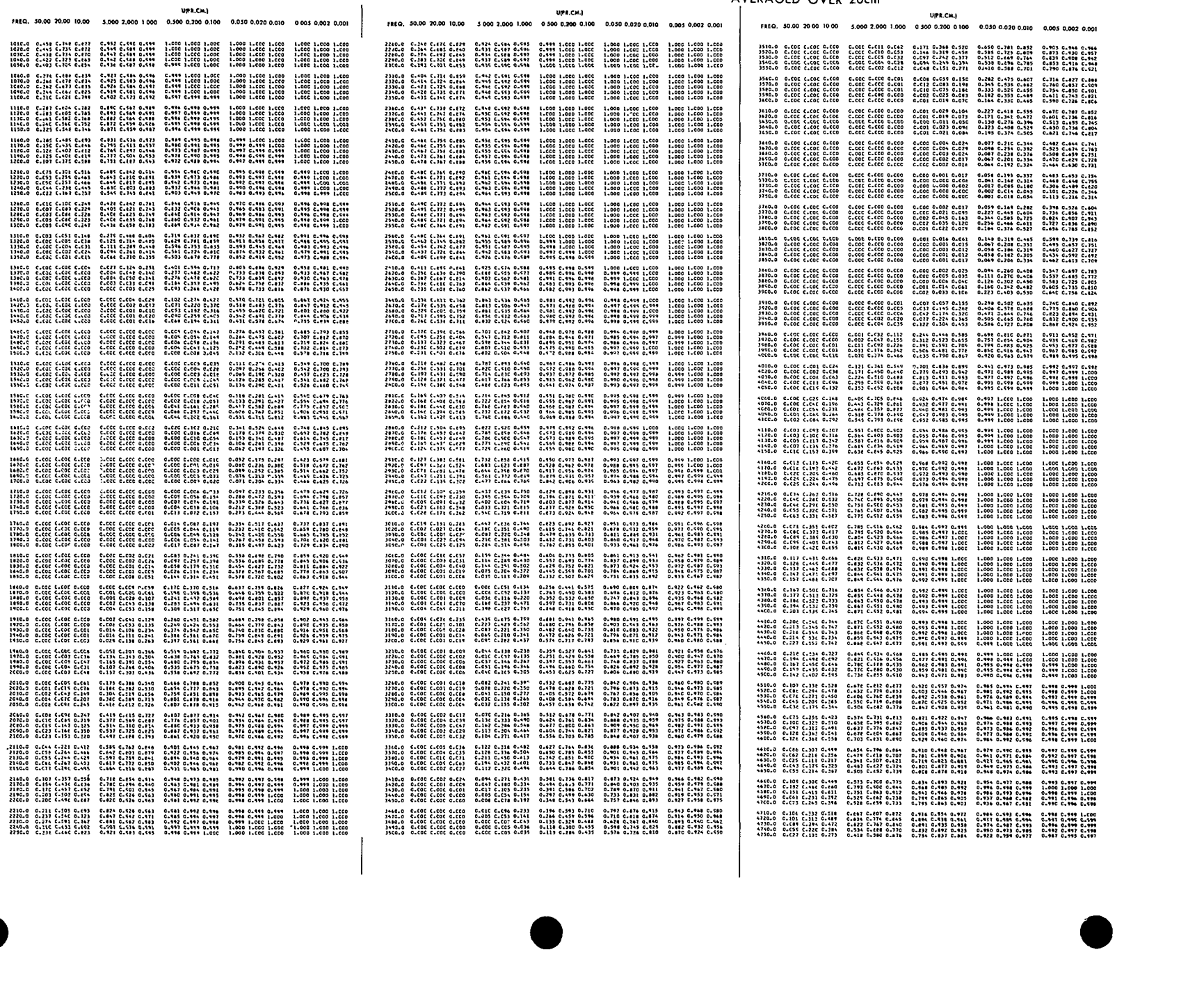
T=200° K

AVERAGED OVER 20cm^{-1}

WATER VAPOR AT 0.50 ATMOSPHERE PRESSURE

T-200° K

AVERAGED OVER 20cm^{-1}



WATER VAPOR AT 0.50 ATMOSPHERE PRESSURE

T-200° K

AVERAGED OVER 20cm^{-1}

WATER VAPOR AT 0.50 ATMOSPHERE PRESSURE

T=200° K

AVERAGED OVER 20cm^{-1}

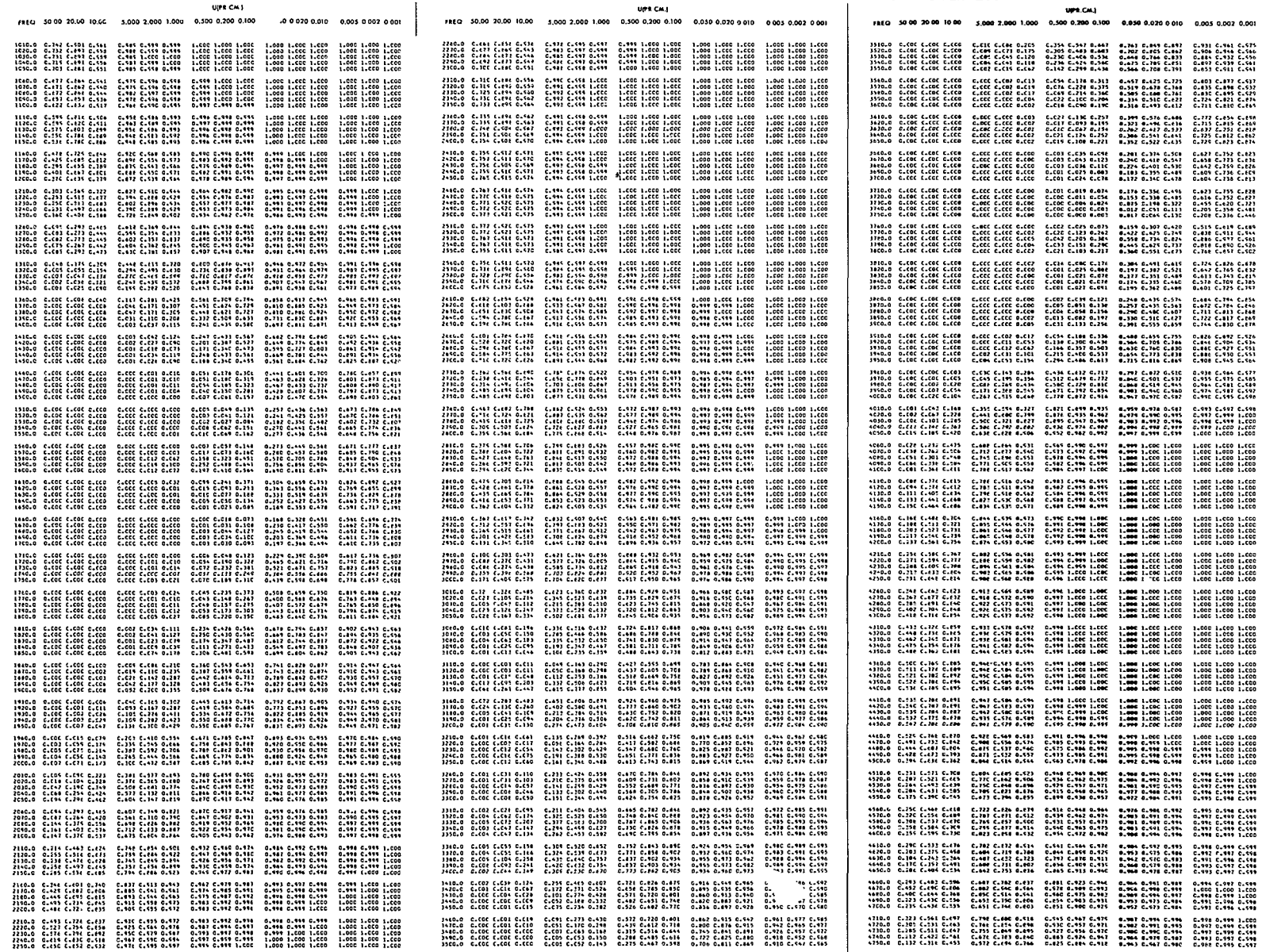
U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
8510.0	0.282	0.462	0.592	0.692	0.804	0.862	0.903	0.969	0.986	0.981	0.995	0.996	0.998	0.999	0.999
8520.0	0.284	0.463	0.593	0.693	0.805	0.863	0.903	0.969	0.986	0.981	0.995	0.996	0.998	0.999	0.999
8530.0	0.286	0.464	0.594	0.695	0.806	0.864	0.904	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8540.0	0.288	0.466	0.595	0.696	0.807	0.865	0.904	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8550.0	0.290	0.467	0.596	0.697	0.808	0.866	0.904	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8560.0	0.292	0.468	0.598	0.698	0.809	0.866	0.904	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8570.0	0.294	0.469	0.599	0.699	0.810	0.867	0.905	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8580.0	0.296	0.470	0.600	0.700	0.811	0.868	0.905	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8590.0	0.298	0.471	0.601	0.701	0.812	0.868	0.905	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8600.0	0.300	0.472	0.602	0.702	0.813	0.869	0.905	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8610.0	0.302	0.473	0.603	0.703	0.814	0.869	0.905	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8620.0	0.304	0.474	0.604	0.704	0.815	0.870	0.906	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8630.0	0.306	0.475	0.605	0.705	0.816	0.870	0.906	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8640.0	0.308	0.476	0.606	0.706	0.817	0.871	0.906	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8650.0	0.310	0.477	0.607	0.707	0.818	0.871	0.906	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8660.0	0.312	0.478	0.608	0.708	0.819	0.872	0.907	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8670.0	0.314	0.479	0.609	0.709	0.820	0.872	0.907	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8680.0	0.316	0.480	0.610	0.710	0.821	0.873	0.907	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8690.0	0.318	0.481	0.611	0.711	0.822	0.873	0.907	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8700.0	0.320	0.482	0.612	0.712	0.823	0.874	0.908	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8710.0	0.322	0.483	0.613	0.713	0.824	0.874	0.908	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8720.0	0.324	0.484	0.614	0.714	0.825	0.875	0.908	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8730.0	0.326	0.485	0.615	0.715	0.826	0.875	0.908	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8740.0	0.328	0.486	0.616	0.716	0.827	0.876	0.909	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8750.0	0.330	0.487	0.617	0.717	0.828	0.876	0.909	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8760.0	0.332	0.488	0.618	0.718	0.829	0.877	0.909	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8770.0	0.334	0.489	0.619	0.719	0.830	0.877	0.909	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8780.0	0.336	0.490	0.620	0.720	0.831	0.878	0.910	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8790.0	0.338	0.491	0.621	0.721	0.832	0.878	0.910	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8800.0	0.340	0.492	0.622	0.722	0.833	0.879	0.910	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8810.0	0.342	0.493	0.623	0.723	0.834	0.879	0.910	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8820.0	0.344	0.494	0.624	0.724	0.835	0.880	0.911	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8830.0	0.346	0.495	0.625	0.725	0.836	0.880	0.911	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8840.0	0.348	0.496	0.626	0.726	0.837	0.881	0.911	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8850.0	0.350	0.497	0.627	0.727	0.838	0.881	0.911	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8860.0	0.352	0.498	0.628	0.728	0.839	0.882	0.912	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8870.0	0.354	0.499	0.629	0.729	0.840	0.882	0.912	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8880.0	0.356	0.500	0.630	0.730	0.841	0.883	0.912	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8890.0	0.358	0.501	0.631	0.731	0.842	0.883	0.912	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8900.0	0.360	0.502	0.632	0.732	0.843	0.884	0.913	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8910.0	0.362	0.503	0.633	0.733	0.844	0.884	0.913	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8920.0	0.364	0.504	0.634	0.734	0.845	0.885	0.913	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8930.0	0.366	0.505	0.635	0.735	0.846	0.885	0.913	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8940.0	0.368	0.506	0.636	0.736	0.847	0.886	0.914	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8950.0	0.370	0.507	0.637	0.737	0.848	0.886	0.914	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8960.0	0.372	0.508	0.638	0.738	0.849	0.887	0.914	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8970.0	0.374	0.509	0.639	0.739	0.850	0.887	0.914	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8980.0	0.376	0.510	0.640	0.740	0.851	0.888	0.915	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
8990.0	0.378	0.511	0.641	0.741	0.852	0.888	0.915	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9000.0	0.380	0.512	0.642	0.742	0.853	0.889	0.915	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9010.0	0.382	0.513	0.643	0.743	0.854	0.889	0.915	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9020.0	0.384	0.514	0.644	0.744	0.855	0.890	0.916	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9030.0	0.386	0.515	0.645	0.745	0.856	0.890	0.916	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9040.0	0.388	0.516	0.646	0.746	0.857	0.891	0.916	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9050.0	0.390	0.517	0.647	0.747	0.858	0.891	0.916	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9060.0	0.392	0.518	0.648	0.748	0.859	0.892	0.917	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9070.0	0.394	0.519	0.649	0.749	0.860	0.892	0.917	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9080.0	0.396	0.520	0.650	0.750	0.861	0.893	0.917	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9090.0	0.398	0.521	0.651	0.751	0.862	0.893	0.917	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9100.0	0.400	0.522	0.652	0.752	0.863	0.894	0.918	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9110.0	0.402	0.523	0.653	0.753	0.864	0.894	0.918	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9120.0	0.404	0.524	0.654	0.754	0.865	0.895	0.918	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9130.0	0.406	0.525	0.655	0.755	0.866	0.895	0.918	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9140.0	0.408	0.526	0.656	0.756	0.867	0.896	0.919	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9150.0	0.410	0.527	0.657	0.757	0.868	0.896	0.919	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9160.0	0.412	0.528	0.658	0.758	0.869	0.897	0.919	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9170.0	0.414	0.529	0.659	0.759	0.870	0.897	0.919	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9180.0	0.416	0.530	0.660	0.760	0.871	0.898	0.920	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9190.0	0.418	0.531	0.661	0.761	0.872	0.898	0.920	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9200.0	0.420	0.532	0.662	0.762	0.873	0.899	0.920	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9210.0	0.422	0.533	0.663	0.763	0.874	0.899	0.920	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9220.0	0.424	0.534	0.664	0.764	0.875	0.900	0.921	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9230.0	0.426	0.535	0.665	0.765	0.876	0.900	0.921	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9240.0	0.428	0.536	0.666	0.766	0.877	0.901	0.921	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9250.0	0.430	0.537	0.667	0.767	0.878	0.901	0.921	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9260.0	0.432	0.538	0.668	0.768	0.879	0.902	0.922	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9270.0	0.434	0.539	0.669	0.769	0.880	0.902	0.922	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9280.0	0.436	0.540	0.670	0.770	0.881	0.903	0.922	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9290.0	0.438	0.541	0.671	0.771	0.882	0.903	0.922	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9300.0	0.440	0.542	0.672	0.772	0.883	0.904	0.923	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9310.0	0.442	0.543	0.673	0.773	0.884	0.904	0.923	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9320.0	0.444	0.544	0.674	0.774	0.885	0.905	0.923	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9330.0	0.446	0.545	0.675	0.775	0.886	0.905	0.923	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9340.0	0.448	0.546	0.676	0.776	0.887	0.906	0.924	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9350.0	0.450	0.547	0.677	0.777	0.888	0.906	0.924	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9360.0	0.452	0.548	0.678	0.778	0.889	0.907	0.924	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9370.0	0.454	0.549	0.679	0.779	0.890	0.907	0.924	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9380.0	0.456	0.550	0.680	0.780	0.891	0.908	0.925	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9390.0	0.458	0.551	0.681	0.781	0.892	0.908	0.925	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9400.0	0.460	0.552	0.682	0.782	0.893	0.909	0.925	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9410.0	0.462	0.553	0.683	0.783	0.894	0.909	0.925	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9420.0	0.464	0.554	0.684	0.784	0.895	0.910	0.926	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9430.0	0.466	0.555	0.685	0.785	0.896	0.910	0.926	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9440.0	0.468	0.556	0.686	0.786	0.897	0.911	0.926	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9450.0	0.470	0.557	0.687	0.787	0.898	0.911	0.926	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9460.0	0.472	0.558	0.688	0.788	0.899	0.912	0.927	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9470.0	0.474	0.559	0.689	0.789	0.900	0.912	0.927	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9480.0	0.476	0.560	0.690	0.790	0.901	0.913	0.927	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9490.0	0.478	0.561	0.691	0.791	0.902	0.913	0.927	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9500.0	0.480	0.562	0.692	0.792	0.903	0.914	0.928	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9510.0	0.482	0.563	0.693	0.793	0.904	0.914	0.928	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9520.0	0.484	0.564	0.694	0.794	0.905	0.915	0.928	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9530.0	0.486	0.565	0.695	0.795	0.906	0.915	0.928	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9540.0	0.488	0.566	0.696	0.796	0.907	0.916	0.929	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9550.0	0.490	0.567	0.697	0.797	0.908	0.916	0.929	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9560.0	0.492	0.568	0.698	0.798	0.909	0.917	0.929	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9570.0	0.494	0.569	0.699	0.799	0.910	0.917	0.929	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9580.0	0.496	0.570	0.700	0.800	0.911	0.918	0.930	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9590.0	0.498	0.571	0.701	0.801	0.912	0.918	0.930	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9600.0	0.500	0.572	0.702	0.802	0.913	0.919	0.930	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9610.0	0.502	0.573	0.703	0.803	0.914	0.919	0.930	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9620.0	0.504	0.574	0.704	0.804	0.915	0.920	0.931	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9630.0	0.506	0.575	0.705	0.805	0.916	0.920	0.931	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9640.0	0.508	0.576	0.706	0.806	0.917	0.921	0.931	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9650.0	0.510	0.577	0.707	0.807	0.918	0.921	0.931	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9660.0	0.512	0.578	0.708	0.808	0.919	0.922	0.932	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9670.0	0.514	0.579	0.709	0.809	0.920	0.922	0.932	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9680.0	0.516	0.580	0.710	0.810	0.921	0.923	0.932	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9690.0	0.518	0.581	0.711	0.811	0.922	0.923	0.932	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9700.0	0.520	0.582	0.712	0.812	0.923	0.924	0.933	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9710.0	0.522	0.583	0.713	0.813	0.924	0.924	0.933	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9720.0	0.524	0.584	0.714	0.814	0.925	0.925	0.933	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9730.0	0.526	0.585	0.715	0.815	0.926	0.925	0.933	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9740.0	0.528	0.586	0.716	0.816	0.927	0.926	0.934	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000
9750.0	0.530	0.587	0.717	0.817	0.928	0.926	0.934	0.969	0.986	0.981	0.995	0.996	0.998	0.999	1.000

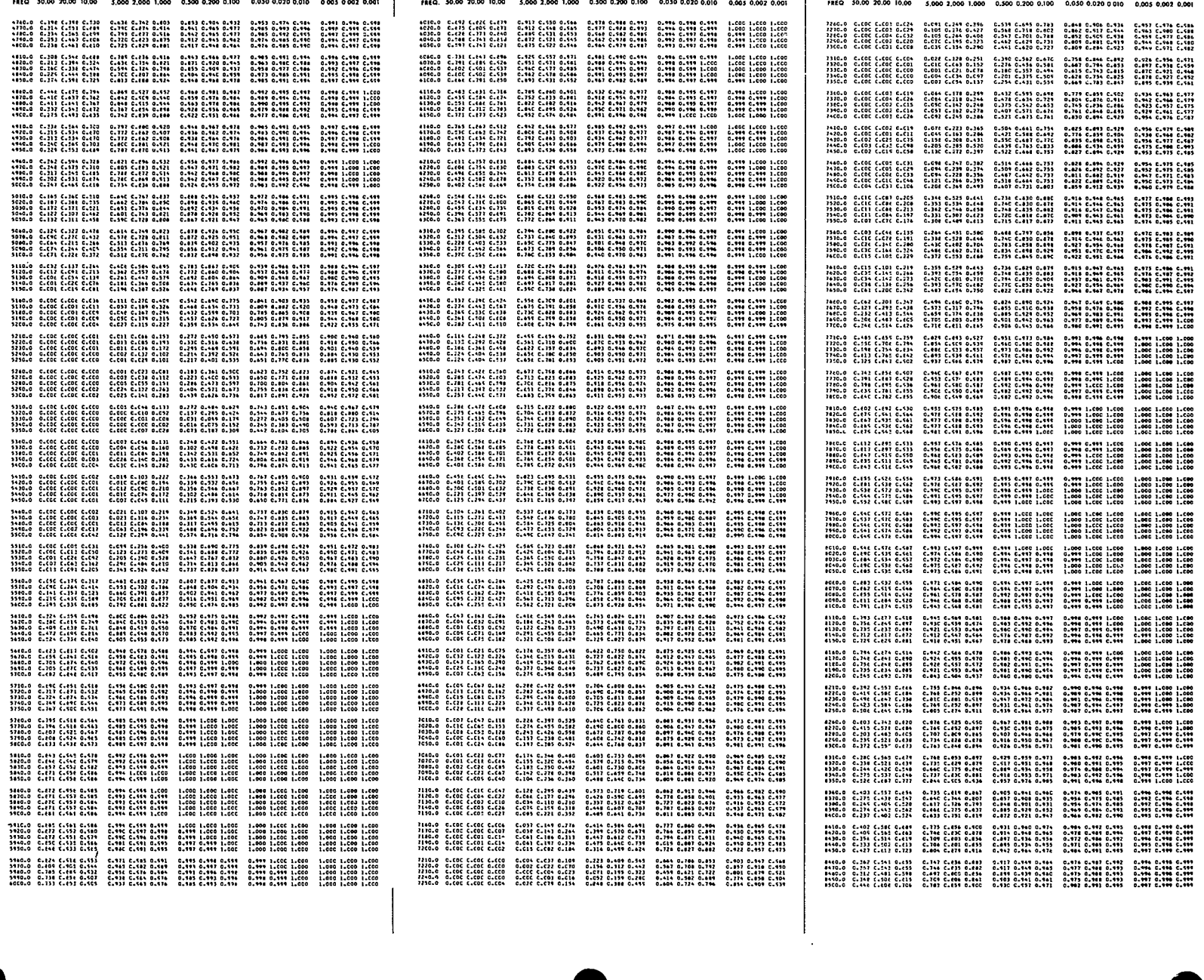
WATER VAPOR AT 0.20 ATMOSPHERE PRESSURE

T=200°

AVERAGED OVER 20cm^{-1}



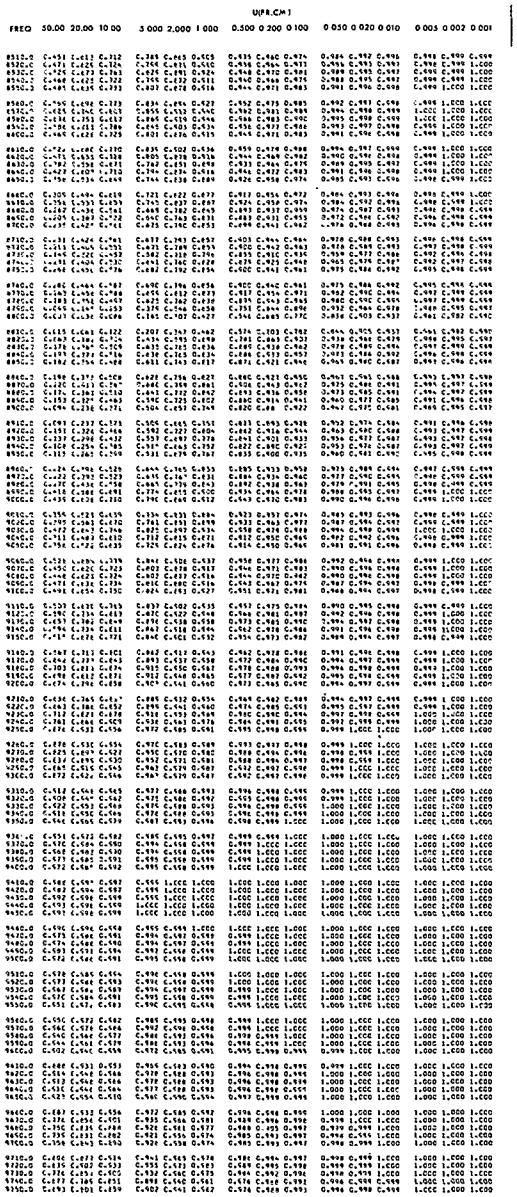
WATER VAPOR AT 0.20 ATMOSPHERE PRESSURE
T=200° K
AVERAGED OVER 20cm^{-1}

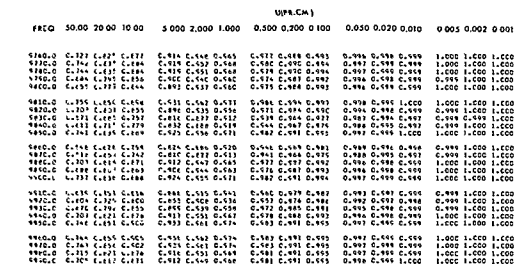


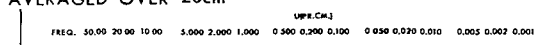
WATER VAPOR AT 0.20 ATMOSPHERE PRESSURE

T=200° K

AVERAGED OVER 20cm^{-1}



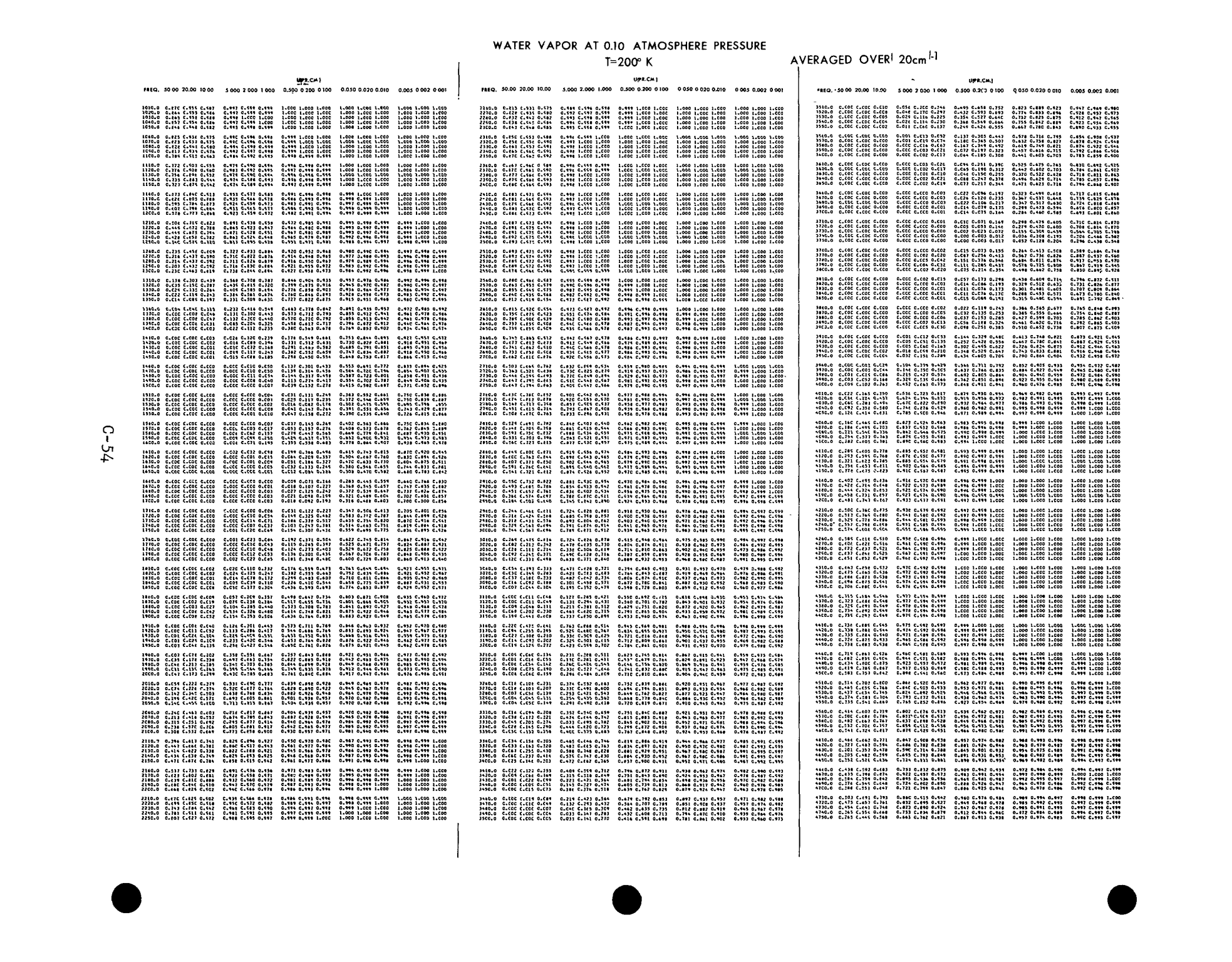




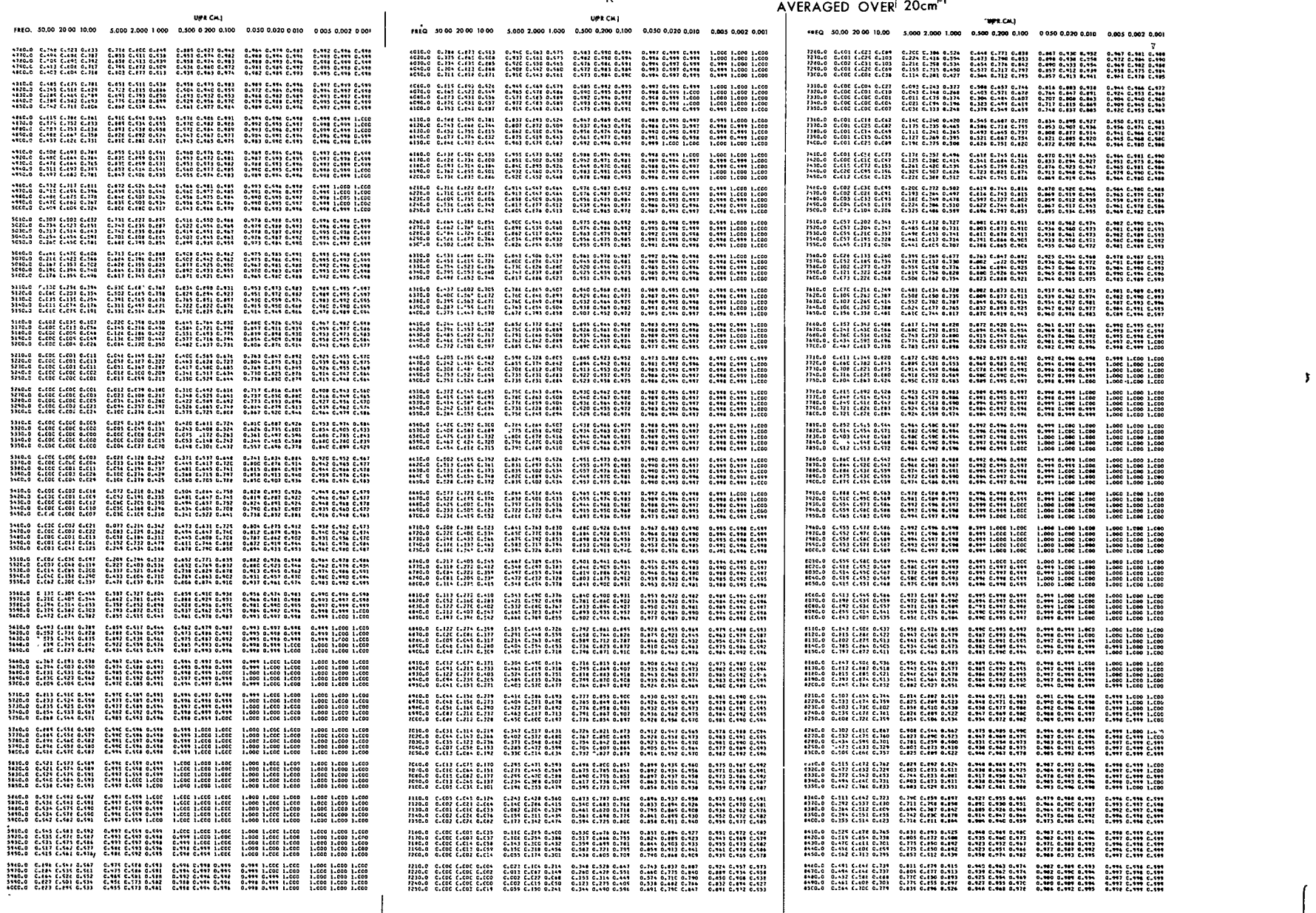
WATER VAPOR AT 0.10 ATMOSPHERE PRESSURE

T=200° K

AVERAGED OVER[1] 20cm[-1]



WATER VAPOR AT 0.10 ATMOSPHERE PRESSURE
T=200° K
AVERAGED OVER 20cm^{-1}



WATER VAPOR AT 0.10 ATMOSPHERE PRESSURE

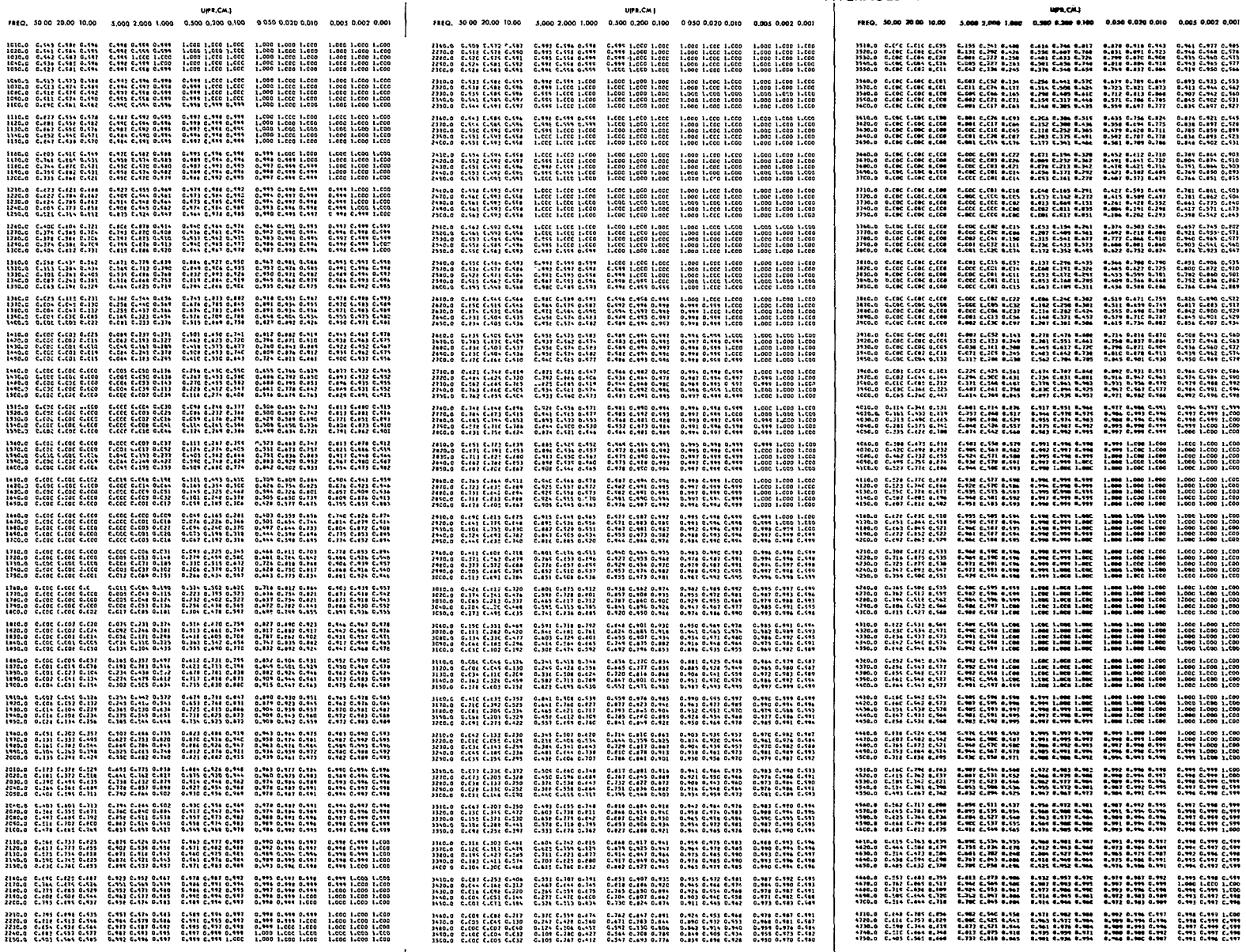
T=200° K

AVERAGED OVER 20cm^{-1}

U[PR.CM.]

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
8910.0	0.787	0.783	0.788	0.847	0.900	0.930	0.951	0.972	0.986	0.987	0.993	0.996	0.998	0.999	0.999
8920.0	0.788	0.786	0.793	0.851	0.903	0.933	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
8930.0	0.788	0.789	0.798	0.854	0.905	0.936	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
8940.0	0.788	0.793	0.802	0.856	0.908	0.938	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
8950.0	0.788	0.797	0.807	0.858	0.910	0.940	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
8960.0	0.788	0.801	0.812	0.860	0.912	0.942	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
8970.0	0.788	0.805	0.817	0.862	0.914	0.944	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
8980.0	0.788	0.809	0.822	0.864	0.916	0.946	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
8990.0	0.788	0.813	0.827	0.866	0.918	0.948	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9000.0	0.788	0.817	0.832	0.868	0.920	0.950	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9010.0	0.788	0.821	0.837	0.870	0.922	0.952	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9020.0	0.788	0.825	0.842	0.872	0.924	0.954	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9030.0	0.788	0.829	0.847	0.874	0.926	0.956	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9040.0	0.788	0.833	0.852	0.876	0.928	0.958	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9050.0	0.788	0.837	0.857	0.878	0.930	0.960	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9060.0	0.788	0.841	0.862	0.880	0.932	0.962	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9070.0	0.788	0.845	0.867	0.882	0.934	0.964	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9080.0	0.788	0.849	0.872	0.884	0.936	0.966	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9090.0	0.788	0.853	0.877	0.886	0.938	0.968	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9100.0	0.788	0.857	0.882	0.888	0.940	0.970	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9110.0	0.788	0.861	0.887	0.890	0.942	0.972	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9120.0	0.788	0.865	0.892	0.892	0.944	0.974	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9130.0	0.788	0.869	0.897	0.894	0.946	0.976	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9140.0	0.788	0.873	0.902	0.896	0.948	0.978	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9150.0	0.788	0.877	0.907	0.898	0.950	0.980	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9160.0	0.788	0.881	0.912	0.900	0.952	0.982	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9170.0	0.788	0.885	0.917	0.902	0.954	0.984	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9180.0	0.788	0.889	0.922	0.904	0.956	0.986	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9190.0	0.788	0.893	0.927	0.906	0.958	0.988	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9200.0	0.788	0.897	0.932	0.908	0.960	0.990	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9210.0	0.788	0.901	0.937	0.910	0.962	0.992	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9220.0	0.788	0.905	0.942	0.912	0.964	0.994	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9230.0	0.788	0.909	0.947	0.914	0.966	0.996	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9240.0	0.788	0.913	0.952	0.916	0.968	0.998	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9250.0	0.788	0.917	0.957	0.918	0.970	1.000	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9260.0	0.788	0.921	0.962	0.920	0.972	1.002	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9270.0	0.788	0.925	0.967	0.922	0.974	1.004	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9280.0	0.788	0.929	0.972	0.924	0.976	1.006	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9290.0	0.788	0.933	0.977	0.926	0.978	1.008	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9300.0	0.788	0.937	0.982	0.928	0.980	1.010	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9310.0	0.788	0.941	0.987	0.930	0.982	1.012	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9320.0	0.788	0.945	0.992	0.932	0.984	1.014	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9330.0	0.788	0.949	0.997	0.934	0.986	1.016	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9340.0	0.788	0.953	1.002	0.936	0.988	1.018	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9350.0	0.788	0.957	1.007	0.938	0.990	1.020	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9360.0	0.788	0.961	1.012	0.940	0.992	1.022	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9370.0	0.788	0.965	1.017	0.942	0.994	1.024	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9380.0	0.788	0.969	1.022	0.944	0.996	1.026	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9390.0	0.788	0.973	1.027	0.946	0.998	1.028	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9400.0	0.788	0.977	1.032	0.948	1.000	1.030	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9410.0	0.788	0.981	1.037	0.950	1.002	1.032	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9420.0	0.788	0.985	1.042	0.952	1.004	1.034	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9430.0	0.788	0.989	1.047	0.954	1.006	1.036	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9440.0	0.788	0.993	1.052	0.956	1.008	1.038	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9450.0	0.788	0.997	1.057	0.958	1.010	1.040	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9460.0	0.788	1.001	1.062	0.960	1.012	1.042	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9470.0	0.788	1.005	1.067	0.962	1.014	1.044	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9480.0	0.788	1.009	1.072	0.964	1.016	1.046	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9490.0	0.788	1.013	1.077	0.966	1.018	1.048	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000
9500.0	0.788	1.017	1.082	0.968	1.020	1.050	0.951	0.972	0.987	0.988	0.994	0.997	0.998	0.999	1.000

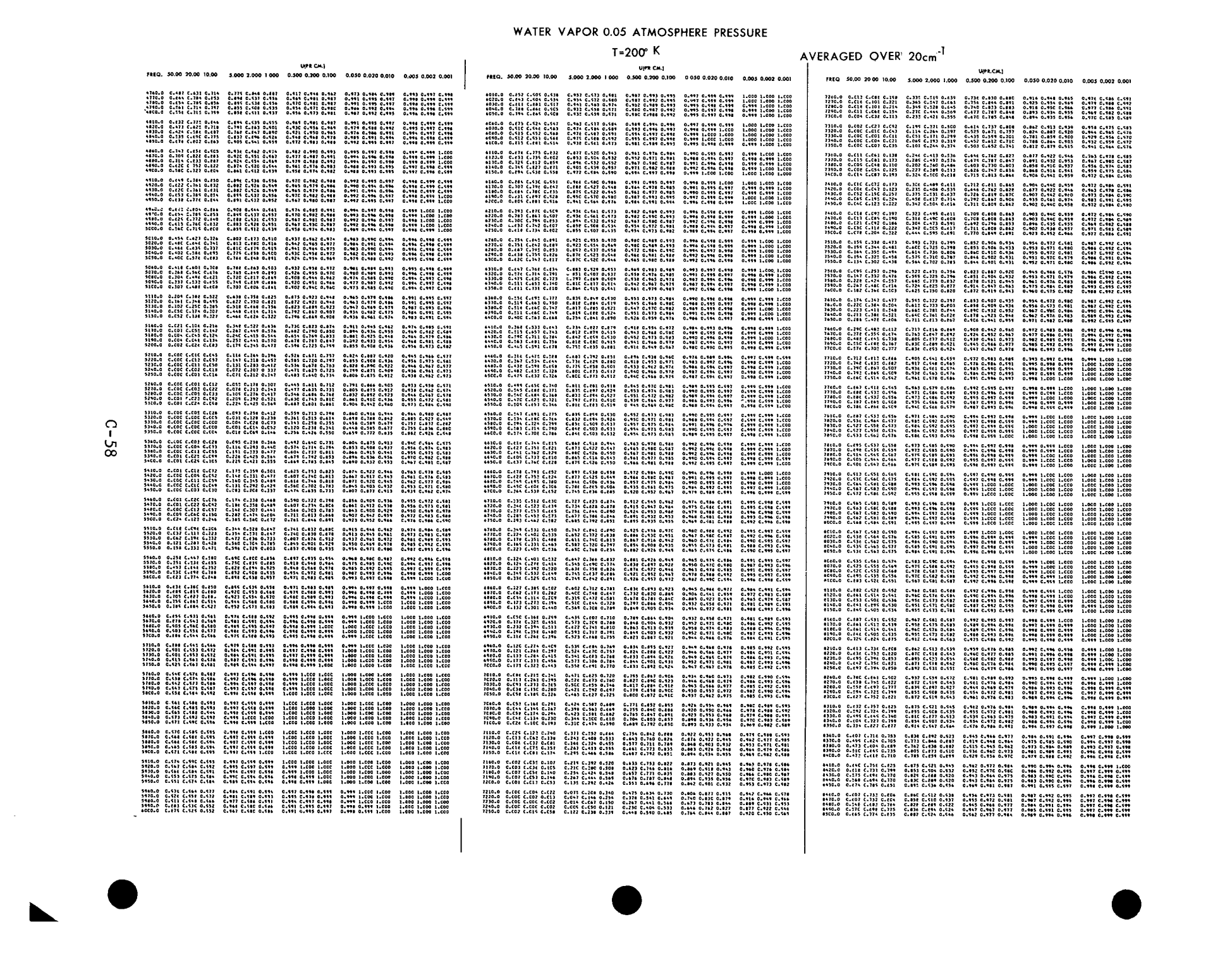
WATER VAPOR AT 0.05 ATMOSPHERE PRESSURE
T=200° K
AVERAGED OVER 20cm^{-1}



WATER VAPOR 0.05 ATMOSPHERE PRESSURE

T=200° K

AVERAGED OVER 20cm^{-1}



WATER VAPOR AT 0.05 ATMOSPHERE PRESSURE

T = 200° K

AVERAGED OVER 20cm^{-1}

FREQ	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
8310.0	0.686	0.772	0.838	0.885	0.927	0.958	0.984	0.998	0.998	0.998	0.999	0.999	0.998	0.999	0.999
8320.0	0.675	0.767	0.848	0.890	0.930	0.959	0.986	0.998	0.998	0.998	0.999	0.999	0.998	0.999	1.000
8330.0	0.674	0.769	0.850	0.892	0.931	0.960	0.986	0.998	0.998	0.998	0.999	0.999	0.998	0.999	1.000
8340.0	0.678	0.780	0.844	0.888	0.930	0.959	0.986	0.998	0.998	0.998	0.999	0.999	0.999	0.999	1.000
8350.0	0.696	0.792	0.852	0.893	0.933	0.960	0.986	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8360.0	0.735	0.823	0.871	0.905	0.942	0.966	0.988	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000
8370.0	0.772	0.849	0.890	0.921	0.952	0.973	0.990	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000
8380.0	0.782	0.856	0.896	0.926	0.954	0.974	0.990	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000
8390.0	0.770	0.853	0.895	0.926	0.954	0.974	0.990	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8400.0	0.764	0.860	0.902	0.932	0.957	0.976	0.991	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8410.0	0.732	0.837	0.888	0.922	0.951	0.972	0.989	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8420.0	0.674	0.787	0.843	0.885	0.931	0.959	0.985	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8430.0	0.615	0.740	0.801	0.849	0.902	0.942	0.980	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8440.0	0.592	0.722	0.787	0.841	0.896	0.938	0.979	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8450.0	0.594	0.726	0.791	0.845	0.899	0.940	0.980	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8460.0	0.761	0.701	0.782	0.841	0.901	0.933	0.972	0.988	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8470.0	0.593	0.727	0.799	0.858	0.909	0.946	0.983	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8480.0	0.505	0.653	0.740	0.812	0.878	0.926	0.975	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8490.0	0.464	0.622	0.710	0.793	0.865	0.917	0.970	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8500.0	0.504	0.656	0.735	0.818	0.883	0.930	0.977	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8510.0	0.704	0.801	0.852	0.891	0.928	0.952	0.985	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8520.0	0.694	0.805	0.862	0.902	0.938	0.963	0.988	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8530.0	0.602	0.737	0.814	0.869	0.921	0.954	0.986	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8540.0	0.574	0.729	0.821	0.884	0.930	0.959	0.986	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8550.0	0.724	0.864	0.934	0.951	0.969	0.977	0.993	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8560.0	0.830	0.911	0.960	0.972	0.983	0.988	0.996	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8570.0	0.822	0.907	0.957	0.971	0.982	0.988	0.996	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8580.0	0.780	0.882	0.943	0.962	0.977	0.985	0.995	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8590.0	0.784	0.888	0.946	0.964	0.978	0.986	0.995	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8600.0	0.816	0.907	0.955	0.969	0.980	0.987	0.995	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8610.0	0.852	0.931	0.969	0.978	0.986	0.990	0.996	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8620.0	0.855	0.933	0.970	0.979	0.986	0.990	0.996	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8630.0	0.851	0.931	0.969	0.978	0.986	0.990	0.996	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8640.0	0.855	0.934	0.971	0.980	0.987	0.991	0.996	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8650.0	0.872	0.944	0.976	0.983	0.989	0.992	0.997	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8660.0	0.892	0.956	0.981	0.987	0.991	0.994	0.997	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8670.0	0.902	0.962	0.984	0.989	0.992	0.995	0.997	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8680.0	0.902	0.962	0.984	0.989	0.992	0.995	0.997	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8690.0	0.898	0.960	0.983	0.989	0.992	0.995	0.997	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8700.0	0.894	0.958	0.982	0.988	0.992	0.995	0.997	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8710.0	0.894	0.958	0.982	0.988	0.992	0.995	0.997	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8720.0	0.895	0.959	0.982	0.988	0.992	0.995	0.997	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8730.0	0.896	0.959	0.983	0.989	0.992	0.995	0.997	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8740.0	0.897	0.960	0.983	0.989	0.992	0.995	0.997	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8750.0	0.898	0.960	0.983	0.989	0.992	0.995	0.997	0.998	0.998	0.998	0.999	0.999	0.999	1.000	1.000
8760.0	0.654	0.504	0.535	0.594	0.532	0.581	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000
8770.0	0.661	0.512	0.536	0.593	0.533	0.582	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
8780.0	0.661	0.512	0.536	0.592	0.532	0.581	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
8790.0	0.655	0.508	0.531	0.590	0.530	0.580	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
8800.0	0.650	0.503	0.526	0.586	0.526	0.576	0.987	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
8810.0	0.664	0.505	0.534	0.593	0.532	0.581	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000
8820.0	0.661	0.512	0.536	0.593	0.533	0.582	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
8830.0	0.661	0.512	0.536	0.592	0.532	0.581	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
8840.0	0.655	0.508	0.531	0.590	0.530	0.580	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
8850.0	0.650	0.503	0.526	0.586	0.526	0.576	0.987	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
8860.0	0.664	0.505	0.534	0.593	0.532	0.581	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000
8870.0	0.661	0.512	0.536	0.593	0.533	0.582	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
8880.0	0.661	0.512	0.536	0.592	0.532	0.581	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
8890.0	0.655	0.508	0.531	0.590	0.530	0.580	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
8900.0	0.650	0.503	0.526	0.586	0.526	0.576	0.987	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
8910.0	0.664	0.505	0.534	0.593	0.532	0.581	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000
8920.0	0.661	0.512	0.536	0.593	0.533	0.582	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
8930.0	0.661	0.512	0.536	0.592	0.532	0.581	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
8940.0	0.655	0.508	0.531	0.590	0.530	0.580	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
8950.0	0.650	0.503	0.526	0.586	0.526	0.576	0.987	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
8960.0	0.664	0.505	0.534	0.593	0.532	0.581	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000
8970.0	0.661	0.512	0.536	0.593	0.533	0.582	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
8980.0	0.661	0.512	0.536	0.592	0.532	0.581	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
8990.0	0.655	0.508	0.531	0.590	0.530	0.580	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
9000.0	0.650	0.503	0.526	0.586	0.526	0.576	0.987	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
9010.0	0.664	0.505	0.534	0.593	0.532	0.581	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000
9020.0	0.661	0.512	0.536	0.593	0.533	0.582	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
9030.0	0.661	0.512	0.536	0.592	0.532	0.581	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
9040.0	0.655	0.508	0.531	0.590	0.530	0.580	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
9050.0	0.650	0.503	0.526	0.586	0.526	0.576	0.987	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
9060.0	0.664	0.505	0.534	0.593	0.532	0.581	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000
9070.0	0.661	0.512	0.536	0.593	0.533	0.582	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
9080.0	0.661	0.512	0.536	0.592	0.532	0.581	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
9090.0	0.655	0.508	0.531	0.590	0.530	0.580	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
9100.0	0.650	0.503	0.526	0.586	0.526	0.576	0.987	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
9110.0	0.664	0.505	0.534	0.593	0.532	0.581	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000
9120.0	0.661	0.512	0.536	0.593	0.533	0.582	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
9130.0	0.661	0.512	0.536	0.592	0.532	0.581	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
9140.0	0.655	0.508	0.531	0.590	0.530	0.580	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
9150.0	0.650	0.503	0.526	0.586	0.526	0.576	0.987	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
9160.0	0.664	0.505	0.534	0.593	0.532	0.581	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000
9170.0	0.661	0.512	0.536	0.593	0.533	0.582	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
9180.0	0.661	0.512	0.536	0.592	0.532	0.581	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
9190.0	0.655	0.508	0.531	0.590	0.530	0.580	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
9200.0	0.650	0.503	0.526	0.586	0.526	0.576	0.987	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
9210.0	0.796	0.673	0.612	0.636	0.563	0.595	0.983	0.990	0.995	0.996	0.998	0.999	0.999	1.000	1.000
9220.0	0.811	0.681	0.618	0.643	0.569	0.599	0.984	0.991	0.996	0.996	0.998	0.999	1.000	1.000	1.000
9230.0	0.812	0.681	0.618	0.643	0.569	0.599	0.984	0.991	0.996	0.996	0.998	0.999	1.000	1.000	1.000
9240.0	0.805	0.676	0.614	0.639	0.566	0.596	0.983	0.990	0.995	0.996	0.998	0.999	1.000	1.000	1.000
9250.0	0.796	0.670	0.609	0.634	0.562	0.593	0.982	0.990	0.995	0.996	0.998	0.999	1.000	1.000	1.000
9260.0	0.751	0.556	0.573	0.662	0.590	0.603	0.986	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9270.0	0.803	0.644	0.559	0.672	0.603	0.608	0.990	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9280.0	0.816	0.657	0.562	0.674	0.604	0.609	0.990	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9290.0	0.824	0.665	0.564	0.676	0.605	0.610	0.990	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9300.0	0.831	0.671	0.566	0.677	0.606	0.610	0.990	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9310.0	0.852	0.731	0.660	0.747	0.692	0.695	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9320.0	0.851	0.736	0.680	0.764	0.708	0.705	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9330.0	0.859	0.757	0.703	0.783	0.723	0.715	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9340.0	0.857	0.774	0.727	0.799	0.737	0.724	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9350.0	0.872	0.793	0.758	0.817	0.753	0.734	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9360.0	0.874	0.784	0.748	0.793	0.698	0.698	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9370.0	0.869	0.791	0.695	0.794	0.699	0.699	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9380.0	0.883	0.796	0.699	0.796	0.699	0.699	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9390.0	0.885	0.791	0.694	0.794	0.699	0.699	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9400.0	0.893	0.794	0.698	0.795	0.699	0.699	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9410.0	0.893	0.794	0.698	0.795	0.699	0.699	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9420.0	0.892	0.794	0.697	0.795	0.699	0.699	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9430.0	0.892	0.794	0.697	0.795	0.699	0.699	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9440.0	0.892	0.794	0.697	0.795	0.699	0.699	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9450.0	0.892	0.794	0.697	0.795	0.699	0.699	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9460.0	0.938	0.863	0.875	0.882	0.870	0.855	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9470.0	0.923	0.915	0.943	0.961	0.937	0.908	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9480.0	0.926	0.918	0.949	0.966	0.943	0.913	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9490.0	0.933	0.926	0.958	0.970	0.948	0.917	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9500.0	0.944	0.944	0.970	0.980	0.962	0.927	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9510.0	0.954	0.953	0.977	0.985	0.969	0.934	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9520.0	0.963	0.963	0.984	0.990	0.977	0.943	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9530.0	0.972	0.972	0.989	0.993	0.983	0.951	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9540.0	0.979	0.979	0.992	0.995	0.987	0.958	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9550.0	0.984	0.984	0.995	0.997	0.991	0.965	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9560.0	0.988	0.988	0.997	0.998	0.994	0.971	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9570.0	0.991	0.991	0.998	0.999	0.996	0.976	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9580.0	0.993	0.993	0.999	0.999	0.997	0.980	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9590.0	0.995	0.995	0.999	1.000	0.998	0.984	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9600.0	0.997	0.997	1.000	1.000	0.999	0.987	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9610.0	0.998	0.998	1.000	1.000	1.000	0.990	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9620.0	0.999	0.999	1.000	1.000	1.000	0.992	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9630.0	0.999	0.999	1.000	1.000	1.000	0.994	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9640.0	1.000	1.000	1.000	1.000	1.000	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9650.0	1.000	1.000	1.000	1.000	1.000	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9660.0	0.714	0.681	0.682	0.701	0.681	0.669	0.991	0.995	0.997	0.998	0.999	0.999	0.999	1.000	1.000
9670.0	0.695	0.693	0.693	0.711	0.693	0.679	0.992	0.995	0.997	0.998	0.999	0.999	0.999	1.000	1.000
9680.0	0.694	0.693	0.693	0.711	0.693	0.679	0.992	0.995	0.997	0.998	0.999	0.999	0.999	1.000	1.000
9690.0	0.691	0.691	0.691	0.709	0.691	0.678	0.992	0.995	0.997	0.998	0.999	0.999	0.999	1.000	1.000
9700.0	0.689	0.691	0.694	0.708	0.691	0.678	0.992	0.995	0.997	0.998	0.999	0.999	0.999	1.000	1.000
9710.0	0.694	0.693	0.693	0.711	0.693	0.679	0.992	0.995	0.997	0.998	0.999	0.999	0.999	1.000	1.000
9720.0	0.695	0.693	0.694	0.711	0.693	0.679	0.992	0.995	0.997	0.998	0.999	0.999	0.999	1.000	1.000
9730.0	0.694	0.693	0.693	0.711	0.693	0.679	0.992	0.995	0.997	0.998	0.999	0.999	0.999	1.000	1.000
9740.0	0.691	0.691	0.691	0.709	0.691	0.678	0.992	0.995	0.997	0.998	0.999	0.999	0.999	1.000	1.000
9750.0	0.689	0.691	0.694	0.708	0.691	0.678	0.992	0.995	0.997	0.998	0.999	0.999	0.999	1.000	1.000

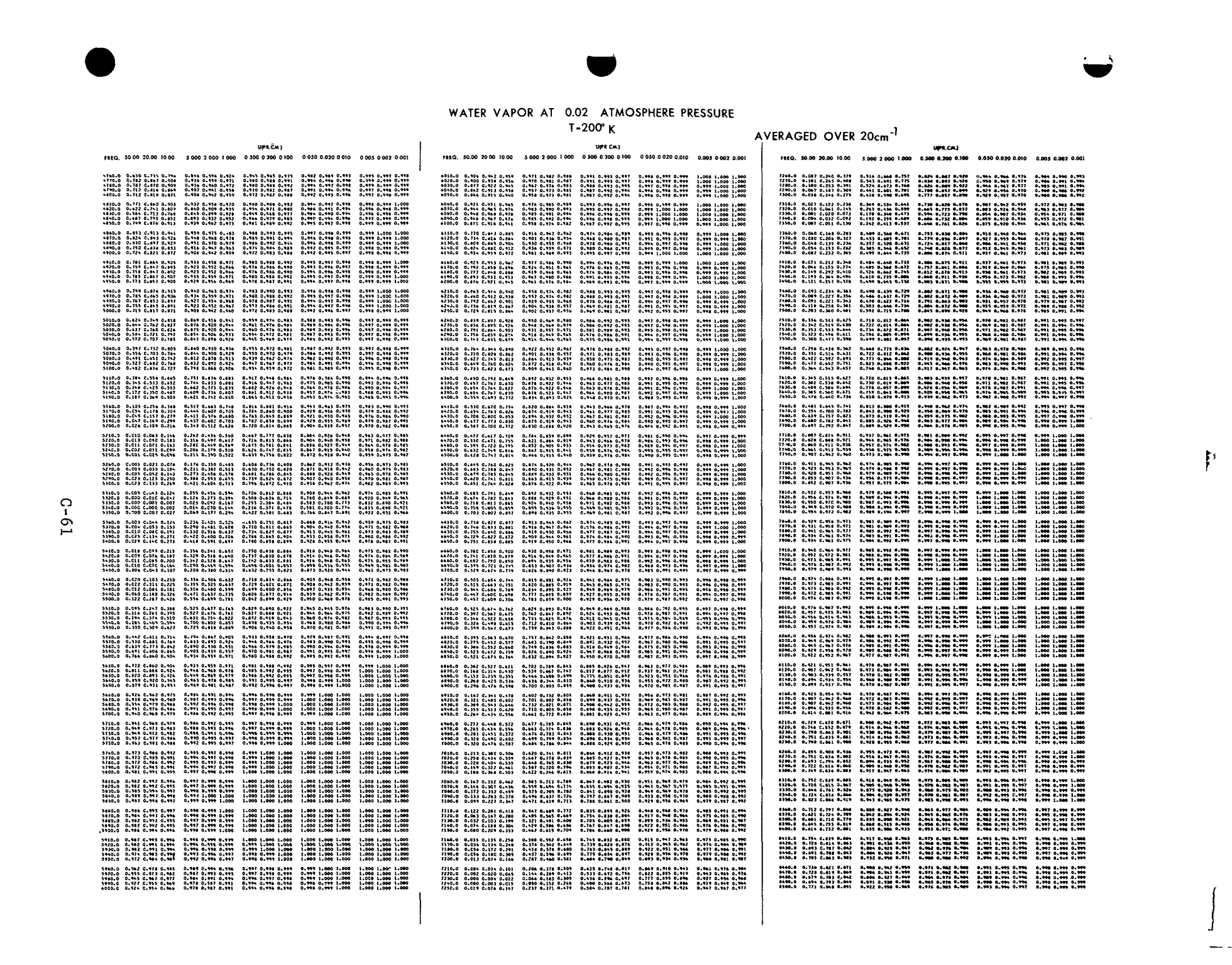
WATER VAPOR AT 0.02 ATMOSPHERE PRESSURE

T = 200° K

AVERAGED OVER 20cm^{-1}

FREQ.	UPR.CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1910.0	0.985	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1920.0	0.983	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1930.0	0.985	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1940.0	0.986	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1950.0	0.988	0.995	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1960.0	0.972	0.990	0.995	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1970.0	0.973	0.991	0.996	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1980.0	0.974	0.994	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1990.0	0.978	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2000.0	0.981	0.995	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2010.0	0.953	0.982	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2020.0	0.954	0.983	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2030.0	0.958	0.979	0.987	0.991	0.994	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2040.0	0.962	0.982	0.990	0.993	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2050.0	0.937	0.973	0.984	0.989	0.994	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2060.0	0.908	0.957	0.971	0.980	0.986	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2070.0	0.884	0.941	0.960	0.972	0.980	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2080.0	0.868	0.931	0.954	0.968	0.980	0.986	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2090.0	0.881	0.941	0.962	0.973	0.983	0.988	0.992	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2100.0	0.883	0.951	0.966	0.969	0.980	0.988	0.990	0.994	0.995	0.998	0.999	1.000	1.000	1.000	1.000
2110.0	0.819	0.901	0.935	0.956	0.971	0.980	0.986	0.991	0.994	0.998	0.999	1.000	1.000	1.000	1.000
2120.0	0.782	0.876	0.917	0.942	0.963	0.975	0.982	0.988	0.993	0.998	0.999	1.000	1.000	1.000	1.000
2130.0	0.776	0.871	0.914	0.941	0.963	0.975	0.983	0.988	0.993	0.997	0.998	0.999	1.000	1.000	1.000
2140.0	0.774	0.871	0.916	0.943	0.965	0.977	0.985	0.990	0.993	0.997	0.998	0.999	1.000	1.000	1.000
2150.0	0.770	0.881	0.944	0.970	0.985	0.995	0.993	0.994	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2160.0	0.823	0.898	0.929	0.950	0.968	0.978	0.985	0.991	0.994	0.998	0.999	1.000	1.000	1.000	1.000
2170.0	0.827	0.903	0.934	0.954	0.969	0.981	0.987	0.992	0.995	0.998	0.999	1.000	1.000	1.000	1.000
2180.0	0.844	0.916	0.944	0.964	0.977	0.985	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2190.0	0.906	0.950	0.965	0.975	0.983	0.989	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2200.0	0.934	0.967	0.978	0.984	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2210.0	0.895	0.951	0.970	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2220.0	0.911	0.951	0.966	0.978	0.985	0.990	0.993	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2230.0	0.934	0.967	0.978	0.984	0.991	0.994	0.996	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000
2240.0	0.954	0.975	0.984	0.990	0.993	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2250.0	0.966	0.987	0.991	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2260.0	0.969	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2270.0	0.973	0.992	0.995	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2280.0	0.979	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2290.0	0.982	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2300.0	0.980	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2310.0	0.983	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2320.0	0.986	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2330.0	0.985	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2340.0	0.983	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2350.0	0.988	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2360.0	0.987	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2370.0	0.988	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2380.0	0.991	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2390.0	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2400.0	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2410.0	0.993	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2420.0	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2430.0	0.993	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2440.0	0.993	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2450.0	0.991	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2460.0	0.993	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2470.0	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2480.0	0.993	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2490.0	0.992	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2500.0	0.992	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2510.0	0.991	0.994	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2520.0	0.991	0.994	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2530.0	0.987	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2540.0	0.987	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2550.0	0.981	0.992	0.996	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2560.0	0.982	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2570.0	0.973	0.987	0.993	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2580.0	0.973	0.987	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2590.0	0.969	0.979	0.987	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2600.0	0.970	0.980	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2610.0	0.947	0.976	0.988	0.990	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2620.0	0.964	0.986	0.990	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2630.0	0.976	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2640.0	0.977	0.992	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2650.0	0.984	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2660.0	0.984	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2670.0	0.985	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2680.0	0.980	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2690.0	0.979	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2700.0	0.959	0.986	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2710.0	0.960	0.983	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2720.0	0.953	0.980	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2730.0	0.947	0.983	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2740.0	0.959	0.985	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2750.0	0.964	0.989	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2760.0	0.970	0.990	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2770.0	0.971	0.992	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2780.0	0.973	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2790.0	0.974	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2800.0	0.973	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2810.0	0.968	0.990	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2820.0	0.967	0.989	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2830.0	0.962	0.989	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2840.0	0.962	0.989	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2850.0	0.962	0.989	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2860.0	0.960	0.988	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2870.0	0.962	0.988	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2880.0	0.962	0.988	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2890.0	0.962	0.988	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2900.0	0.962	0.988	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2910.0	0.962	0.988	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2920.0	0.962	0.988	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2930.0	0.962	0.988	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2940.0	0.962	0.988	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2950.0	0.962	0.988	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2960.0	0.962	0.988	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2970.0	0.962	0.988	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2980.0	0.962	0.988	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2990.0	0.962	0.988	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3000.0	0.962	0.988	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3010.0	0.969	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3020.0	0.972	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3030.0	0.973	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3040.0	0.977	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3050.0	0.973	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3060.0	0.969	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3070.0	0.970	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3080.0	0.970	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3090.0	0.969	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3100.0	0.970	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3110.0	0.968	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3120.0	0.966	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3130.0	0.966	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3140.0	0.966	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3150.0	0.966	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3160.0	0.963	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3170.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3180.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3190.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3200.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3210.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3220.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3230.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3240.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3250.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3260.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3270.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3280.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3290.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3300.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3310.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3320.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3330.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3340.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3350.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3360.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3370.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3380.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3390.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3400.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3410.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3420.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3430.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3440.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3450.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3460.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3470.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3480.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3490.0	0.959	0.992	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3500.0	0.959	0.992	0.996	0.997	0.998	0.999

WATER VAPOR AT 0.02 ATMOSPHERE PRESSURE
T-200° K
AVERAGED OVER 20cm^{-1}



WATER VAPOR AT 0.02 ATMOSPHERE PRESSURE

T=200° K

AVERAGED OVER 20cm^{-1}

FREQ.	U(PR.CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
8510.0	0.771	0.850	0.893	0.926	0.952	0.968	0.977	0.985	0.990	0.993	0.996	0.998	0.998	0.999	0.999
8520.0	0.780	0.856	0.897	0.928	0.954	0.968	0.978	0.986	0.990	0.994	0.996	0.998	0.998	0.999	1.000
8530.0	0.813	0.878	0.914	0.939	0.962	0.973	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000
8540.0	0.779	0.855	0.896	0.928	0.954	0.968	0.978	0.986	0.991	0.994	0.997	0.998	0.999	0.999	1.000
8550.0	0.788	0.861	0.900	0.929	0.955	0.969	0.979	0.987	0.991	0.994	0.997	0.998	0.999	1.000	1.000
8560.0	0.816	0.880	0.917	0.939	0.963	0.973	0.981	0.989	0.992	0.995	0.997	0.999	0.999	1.000	1.000
8570.0	0.842	0.897	0.926	0.948	0.967	0.977	0.986	0.990	0.994	0.995	0.998	0.999	0.999	1.000	1.000
8580.0	0.850	0.903	0.931	0.953	0.969	0.978	0.985	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000
8590.0	0.827	0.887	0.920	0.943	0.964	0.975	0.984	0.990	0.993	0.996	0.998	0.999	0.999	1.000	1.000
8600.0	0.819	0.880	0.914	0.938	0.962	0.974	0.983	0.989	0.992	0.995	0.997	0.998	0.999	1.000	1.000
8610.0	0.802	0.873	0.911	0.938	0.962	0.974	0.982	0.990	0.993	0.996	0.998	0.999	0.999	1.000	1.000
8620.0	0.775	0.852	0.895	0.926	0.954	0.968	0.978	0.987	0.991	0.994	0.997	0.998	0.999	1.000	1.000
8630.0	0.733	0.824	0.873	0.910	0.944	0.961	0.973	0.984	0.989	0.993	0.996	0.998	0.999	1.000	1.000
8640.0	0.705	0.805	0.858	0.900	0.935	0.953	0.968	0.980	0.986	0.991	0.995	0.997	0.998	0.999	1.000
8650.0	0.720	0.815	0.867	0.906	0.940	0.958	0.971	0.983	0.988	0.992	0.996	0.997	0.998	0.999	1.000
8660.0	0.695	0.798	0.854	0.896	0.935	0.954	0.968	0.981	0.987	0.991	0.995	0.997	0.998	0.999	1.000
8670.0	0.719	0.813	0.865	0.903	0.939	0.957	0.970	0.982	0.988	0.992	0.996	0.997	0.998	0.999	1.000
8680.0	0.765	0.841	0.887	0.922	0.950	0.965	0.976	0.985	0.990	0.993	0.996	0.998	0.999	0.999	1.000
8690.0	0.818	0.876	0.910	0.934	0.957	0.972	0.982	0.988	0.993	0.995	0.997	0.998	0.999	1.000	1.000
8700.0	0.845	0.895	0.926	0.947	0.965	0.977	0.984	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000
8710.0	0.856	0.771	0.835	0.882	0.925	0.947	0.963	0.978	0.985	0.990	0.994	0.996	0.998	0.999	1.000
8720.0	0.850	0.768	0.833	0.880	0.924	0.947	0.963	0.977	0.985	0.990	0.994	0.996	0.998	0.999	1.000
8730.0	0.784	0.705	0.780	0.840	0.897	0.927	0.944	0.968	0.979	0.985	0.991	0.994	0.997	0.998	0.999
8740.0	0.764	0.693	0.771	0.833	0.892	0.923	0.942	0.967	0.978	0.984	0.991	0.994	0.997	0.998	0.999
8750.0	0.863	0.773	0.834	0.888	0.925	0.944	0.962	0.977	0.984	0.989	0.994	0.996	0.997	0.998	0.999
8760.0	0.865	0.772	0.833	0.887	0.925	0.944	0.962	0.977	0.984	0.989	0.994	0.996	0.997	0.998	0.999
8770.0	0.861	0.767	0.827	0.883	0.924	0.944	0.962	0.976	0.984	0.989	0.993	0.997	0.998	0.999	1.000
8780.0	0.838	0.737	0.795	0.853	0.903	0.935	0.953	0.972	0.983	0.989	0.995	0.996	0.998	0.999	1.000
8790.0	0.774	0.657	0.727	0.789	0.853	0.896	0.926	0.954	0.970	0.981	0.989	0.994	0.996	0.998	0.999
8800.0	0.654	0.523	0.611	0.679	0.757	0.813	0.864	0.904	0.934	0.957	0.982	0.992	0.996	0.998	0.999
8810.0	0.700	0.551	0.650	0.740	0.822	0.866	0.906	0.936	0.956	0.975	0.988	0.994	0.996	0.998	0.999
8820.0	0.723	0.578	0.679	0.761	0.836	0.878	0.913	0.940	0.959	0.976	0.988	0.993	0.996	0.998	0.999
8830.0	0.715	0.563	0.664	0.747	0.824	0.867	0.904	0.934	0.955	0.975	0.988	0.994	0.996	0.998	0.999
8840.0	0.717	0.562	0.662	0.745	0.821	0.865	0.902	0.933	0.954	0.974	0.988	0.993	0.996	0.998	0.999
8850.0	0.739	0.590	0.695	0.772	0.842	0.882	0.917	0.943	0.962	0.977	0.989	0.994	0.996	0.998	0.999
8860.0	0.807	0.733	0.805	0.858	0.910	0.937	0.956	0.973	0.981	0.987	0.992	0.995	0.997	0.998	0.999
8870.0	0.856	0.775	0.838	0.885	0.928	0.950	0.965	0.979	0.986	0.990	0.994	0.996	0.997	0.998	0.999
8880.0	0.856	0.765	0.826	0.869	0.917	0.942	0.960	0.976	0.984	0.989	0.993	0.996	0.997	0.998	0.999
8890.0	0.866	0.780	0.839	0.881	0.926	0.947	0.964	0.978	0.985	0.990	0.994	0.996	0.997	0.998	0.999
8900.0	0.884	0.816	0.872	0.909	0.941	0.959	0.972	0.982	0.988	0.992	0.995	0.997	0.998	0.999	0.999
8910.0	0.888	0.440	0.732	0.804	0.876	0.910	0.937	0.961	0.973	0.981	0.989	0.993	0.995	0.997	0.998
8920.0	0.871	0.706	0.786	0.844	0.900	0.929	0.950	0.969	0.978	0.985	0.992	0.994	0.996	0.998	0.999
8930.0	0.857	0.678	0.761	0.826	0.887	0.920	0.943	0.965	0.975	0.983	0.990	0.993	0.995	0.997	0.998
8940.0	0.846	0.665	0.753	0.824	0.885	0.919	0.943	0.965	0.975	0.983	0.990	0.993	0.995	0.997	0.998
8950.0	0.810	0.658	0.744	0.815	0.881	0.915	0.940	0.963	0.973	0.982	0.990	0.993	0.996	0.998	0.999
8960.0	0.816	0.735	0.809	0.862	0.912	0.938	0.957	0.973	0.982	0.988	0.993	0.996	0.998	0.999	0.999
8970.0	0.810	0.725	0.804	0.854	0.907	0.933	0.954	0.973	0.982	0.988	0.993	0.996	0.998	0.999	0.999
8980.0	0.859	0.784	0.850	0.893	0.937	0.960	0.959	0.975	0.983	0.989	0.994	0.996	0.998	0.999	1.000
8990.0	0.867	0.792	0.857	0.898	0.940	0.962	0.960	0.976	0.984	0.989	0.994	0.996	0.998	0.999	1.000
9000.0	0.762	0.844	0.889	0.921	0.951	0.966	0.976	0.986	0.991	0.994	0.997	0.998	0.999	1.000	1.000
9010.0	0.701	0.798	0.855	0.896	0.936	0.956	0.968	0.981	0.987	0.992	0.996	0.997	0.998	0.999	1.000
9020.0	0.776	0.809	0.862	0.902	0.939	0.958	0.972	0.983	0.989	0.993	0.996	0.998	0.999	0.999	1.000
9030.0	0.771	0.812	0.866	0.904	0.939	0.957	0.971	0.982	0.988	0.992	0.996	0.998	0.999	1.000	1.000
9040.0	0.768	0.783	0.850	0.893	0.929	0.951	0.968	0.980	0.988	0.991	0.995	0.997	0.998	0.999	1.000
9050.0	0.698	0.744	0.815	0.863	0.906	0.934	0.956	0.974	0.984	0.989	0.995	0.997	0.998	0.999	1.000
9060.0	0.813	0.882	0.917	0.943	0.965	0.976	0.986	0.990	0.993	0.994	0.998	0.999	0.999	1.000	1.000
9070.0	0.770	0.851	0.895	0.928	0.956	0.969	0.979	0.987	0.991	0.994	0.997	0.998	0.999	1.000	1.000
9080.0	0.776	0.853	0.896	0.929	0.955	0.969	0.979	0.987	0.991	0.994	0.997	0.998	0.999	1.000	1.000
9090.0	0.778	0.854	0.898	0.929	0.956	0.969	0.979	0.987	0.991	0.994	0.997	0.998	0.999	1.000	1.000
9100.0	0.784	0.862	0.901	0.931	0.958	0.971	0.981	0.989	0.992	0.995	0.997	0.998	0.999	1.000	1.000
9110.0	0.774	0.849	0.896	0.926	0.952	0.967	0.978	0.987	0.992	0.995	0.998	0.998	0.999	1.000	1.000
9120.0	0.754	0.835	0.886	0.919	0.950	0.965	0.976	0.985	0.990	0.993	0.996	0.998	0.999	1.000	1.000
9130.0	0.868	0.917	0.943	0.961	0.977	0.985	0.989	0.994	0.996	0.997	0.998	0.999	1.000	1.000	1.000
9140.0	0.845	0.904	0.934	0.954	0.973	0.982	0.986	0.991	0.994	0.996	0.998	0.999	1.000	1.000	1.000
9150.0	0.807	0.877	0.913	0.940	0.963	0.975	0.983	0.990	0.993	0.995	0.997	0.998	0.999	1.000	1.000
9160.0	0.828	0.890	0.923	0.947	0.968	0.978	0.985	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
9170.0	0.844	0.900	0.931	0.952	0.970	0.979	0.986	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000
9180.0	0.846	0.902	0.932	0.952	0.969	0.979	0.986	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000
9190.0	0.849	0.905	0.933	0.953	0.970	0.979	0.987	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000
9200.0	0.849	0.905	0.933	0.953	0.970	0.980	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000
9210.0	0.864	0.915	0.941	0.960	0.975	0.983	0.989	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000
9220.0	0.875	0.922	0.945	0.963	0.977	0.985	0.990	0.994	0.996	0.997	0.998	0.999	1.000	1.000	1.000
9230.0	0.875	0.923	0.945	0.963	0.977	0.985	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000
9240.0	0.870	0.921	0.944	0.962	0.976	0.984	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000
9250.0	0.863	0.917	0.941	0.960	0.975	0.984	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000
9260.0	0.853	0.912	0.938	0.958	0.973	0.983	0.989	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000
9270.0	0.836	0.902	0.931	0.953	0.970	0.981	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000
9280.0	0.842	0.907	0.935	0.956	0.972	0.982	0.989	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000
9290.0	0.852	0.914	0.940	0.959	0.974	0.983	0.989	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000
9300.0	0.854	0.917	0.941	0.960	0.975	0.984	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000
9310.0	0.868	0.928	0.949	0.966	0.979	0.986	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9320.0	0.868	0.928	0.949	0.966	0.979	0.986	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9330.0	0.873	0.933	0.953	0.969	0.981	0.988	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9340.0	0.878	0.937	0.956	0.971	0.982	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
9350.0	0.881	0.939	0.957	0.972	0.983	0.989	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
9360.0	0.883	0.941	0.958	0.973	0.983	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9370.0	0.889	0.943	0.959	0.973	0.984	0.990	0.994	0.997	0.998	1.000	1.000	1.000	1.000	1.000	1.000
9380.0	0.893	0.946	0.961	0.975	0.984	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9390.0	0.896	0.948	0.963	0.976	0.985	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9400.0	0.898	0.949	0.964	0.977	0.986	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9410.0	0.895	0.947	0.958	0.979	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9420.0	0.895	0.947	0.958	0.979	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9430.0	0.897	0.948	0.959	0.979	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9440.0	0.897	0.949	0.959	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9450.0	0.896	0.948	0.959	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9460.0	0.894	0.948	0.959	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9470.0	0.893	0.947	0.958	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9480.0	0.891	0.945	0.956	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9490.0	0.888	0.943	0.954	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9500.0	0.890	0.944	0.954	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9510.0	0.892	0.945	0.957	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9520.0	0.892	0.945	0.957	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9530.0	0.888	0.943	0.955	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9540.0	0.890	0.944	0.956	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9550.0	0.893	0.947	0.958	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9560.0	0.893	0.949	0.959	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9570.0	0.898	0.951	0.960	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9580.0	0.897	0.951	0.960	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9590.0	0.900	0.952	0.962	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9600.0	0.901	0.953	0.962	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9610.0	0.900	0.952	0.962	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9620.0	0.900	0.952	0.962	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9630.0	0.900	0.951	0.962	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9640.0	0.897	0.950	0.961	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9650.0	0.893	0.948	0.959	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9660.0	0.888	0.945	0.957	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9670.0	0.885	0.944	0.956	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9680.0	0.887	0.945	0.956	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9690.0	0.890	0.947	0.958	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9700.0	0.893	0.949	0.960	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9710.0	0.895	0.951	0.961	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9720.0	0.896	0.952	0.962	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9730.0	0.898	0.953	0.963	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9740.0	0.899	0.954	0.964	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9750.0	0.899	0.955	0.965	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9760.0	0.900	0.956	0.966	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9770.0	0.901	0.957	0.966	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9780.0	0.902	0.957	0.967	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9790.0	0.902	0.957	0.967	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9800.0	0.902	0.957	0.967	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

FREQ.	U(PR.CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
9745.0	0.905	0.945	0.958	0.971	0.982	0.987	0.991	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000
9755.0	0.908	0.947	0.960	0.972	0.983	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9765.0	0.908	0.947	0.960	0.972	0.983	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9780.0	0.883	0.926	0.948	0.963	0.978	0.985	0.990	0.994	0.996	0.997	0.998	0.999	1.000	1.000	1.000
9805.0	0.873	0.919	0.943	0.960	0.976	0.984	0.989	0.993	0.996	0.997	0.999	1.000	1.000	1.000	1.000
9810.0	0.914	0.944	0.963	0.974	0.984	0.989	0.993	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000
9820.0	0.871	0.918	0.941	0.959	0.974	0.982	0.988	0.993	0.995	0.997	0.999	1.000	1.000	1.000	1.000
9830.0	0.898	0.843	0.899	0.928	0.954	0.969	0.977	0.988	0.990	0.993	0.996	0.998	0.999	0.999	1.000
9840.0	0.815	0.875	0.926	0.954	0.966	0.980	0.978	0.987	0.991	0.994	0.996	0.998	0.999	1.000	1.000
9850.0	0.902	0.939	0.958	0.971	0.982	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9860.0	0.803	0.870	0.907	0.936	0.958	0.971	0.980	0.987	0.992	0.994	0.997	0.998	0.999	1.000	1.000
9870.0	0.790	0.861	0.901	0.930	0.954	0.969	0.978	0.987	0.991	0.994	0.996	0.998	0.999	1.000	1.000
9880.0	0.889	0.931	0.952	0.968	0.980	0.987	0.991	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000
9890.0	0.879	0.924	0.948	0.964	0.978	0.985	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000
9900.0	0.898	0.937	0.957	0.971	0.983	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9910.0	0.862	0.897	0.927	0.949	0.968	0.978	0.985	0.991	0.995	0.996	0.998	0.999	0.999	1.000	1.000
9920.0	0.853	0.891	0.923	0.944	0.964	0.977	0.984	0.990	0.993	0.996	0.998	0.999	0.999	1.000	1.000
9930.0	0.872	0.920	0.945	0.963	0.978	0.985	0.990	0.994	0.996	0.997	0.998	0.999	1.000	1.000	1.000
9940.0	0.888	0.930	0.952	0.968	0.981	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9950.0	0.903	0.940	0.959	0.973	0.985	0.990	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9960.0	0.907	0.944	0.962	0.975	0.985	0.990	0.994	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000
9970.0	0.909	0.945	0.963	0.975	0.985	0.990	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9980.0	0.888	0.930	0.952	0.968	0.980	0.987	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9990.0	0.883	0.927	0.949	0.965	0.979	0.986	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000

FREQ.	U(PR.CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001

WATER VAPOR AT 0.01 ATMOSPHERE PRESSURE

T = 200° K

AVERAGED OVER 20cm^{-1}

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
						U(P.R.CM.)									
1010.0	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1020.0	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1030.0	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.002	1.000
1040.0	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1050.0	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1060.0	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1070.0	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1080.0	0.997	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1090.0	0.997	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1100.0	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1110.0	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1120.0	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1130.0	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1140.0	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1150.0	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1160.0	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1170.0	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1180.0	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1190.0	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1200.0	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1210.0	0.885	0.934	0.953	0.967	0.979	0.985	0.990	0.996	0.998	0.999	1.000	1.000	0.999	1.000	1.000
1220.0	0.859	0.916	0.941	0.963	0.976	0.984	0.989	0.995	0.998	0.999	1.000	1.000	0.999	1.000	1.000
1230.0	0.862	0.919	0.943	0.965	0.978	0.985	0.989	0.995	0.998	0.999	1.000	1.000	0.999	1.000	1.000
1240.0	0.853	0.915	0.940	0.963	0.976	0.984	0.989	0.995	0.998	0.999	1.000	1.000	0.999	1.000	1.000
1250.0	0.836	0.905	0.933	0.962	0.976	0.985	0.990	0.996	0.998	0.999	1.000	1.000	0.999	1.000	1.000
1260.0	0.715	0.821	0.877	0.930	0.962	0.979	0.988	0.995	0.998	0.999	1.000	1.000	0.999	1.000	1.000
1270.0	0.697	0.809	0.868	0.922	0.957	0.978	0.987	0.995	0.998	0.999	1.000	1.000	0.999	1.000	1.000
1280.0	0.699	0.812	0.869	0.923	0.958	0.978	0.987	0.995	0.998	0.999	1.000	1.000	0.999	1.000	1.000
1290.0	0.702	0.815	0.872	0.925	0.959	0.979	0.987	0.995	0.998	0.999	1.000	1.000	0.999	1.000	1.000
1300.0	0.724	0.829	0.879	0.932	0.964	0.980	0.988	0.995	0.998	0.999	1.000	1.000	0.999	1.000	1.000
1310.0	0.557	0.695	0.773	0.852	0.889	0.920	0.943	0.966	0.975	0.985	0.990	0.995	0.996	0.998	0.999
1320.0	0.431	0.604	0.706	0.783	0.857	0.897	0.927	0.955	0.968	0.978	0.987	0.994	0.995	0.997	0.998
1330.0	0.405	0.576	0.683	0.761	0.841	0.885	0.917	0.948	0.963	0.975	0.985	0.993	0.994	0.997	0.998
1340.0	0.380	0.553	0.664	0.745	0.831	0.877	0.911	0.943	0.960	0.972	0.983	0.992	0.993	0.996	0.997
1350.0	0.378	0.554	0.666	0.745	0.832	0.878	0.912	0.944	0.960	0.972	0.983	0.992	0.993	0.996	0.997
1360.0	0.231	0.462	0.564	0.653	0.764	0.827	0.875	0.919	0.943	0.960	0.975	0.985	0.989	0.993	0.996
1370.0	0.155	0.362	0.485	0.560	0.703	0.785	0.850	0.904	0.933	0.955	0.973	0.984	0.988	0.993	0.995
1380.0	0.232	0.469	0.576	0.643	0.780	0.778	0.858	0.905	0.925	0.947	0.967	0.977	0.984	0.991	0.994
1390.0	0.284	0.543	0.622	0.708	0.805	0.863	0.898	0.933	0.948	0.963	0.976	0.984	0.989	0.993	0.995
1400.0	0.222	0.511	0.595	0.674	0.784	0.837	0.883	0.917	0.934	0.948	0.963	0.975	0.985	0.990	0.993
1410.0	0.229	0.518	0.595	0.673	0.782	0.837	0.883	0.917	0.934	0.948	0.963	0.975	0.985	0.990	0.993
1420.0	0.325	0.601	0.664	0.737	0.822	0.871	0.907	0.941	0.955	0.968	0.978	0.985	0.989	0.993	0.995
1430.0	0.422	0.672	0.726	0.787	0.858	0.901	0.931	0.958	0.969	0.978	0.986	0.991	0.993	0.995	0.996
1440.0	0.422	0.672	0.726	0.787	0.858	0.901	0.931	0.958	0.969	0.978	0.986	0.991	0.993	0.995	0.996
1450.0	0.411	0.664	0.719	0.781	0.854	0.898	0.929	0.957	0.968	0.978	0.986	0.991	0.993	0.995	0.996
1460.0	0.003	0.016	0.049	0.135	0.297	0.427	0.567	0.681	0.781	0.823	0.886	0.917	0.941	0.961	0.974
1470.0	0.003	0.016	0.049	0.137	0.301	0.435	0.576	0.712	0.798	0.846	0.901	0.929	0.950	0.966	0.978
1480.0	0.003	0.016	0.050	0.142	0.316	0.456	0.602	0.736	0.822	0.902	0.930	0.950	0.964	0.975	0.984
1490.0	0.003	0.016	0.049	0.139	0.310	0.448	0.592	0.730	0.818	0.867	0.926	0.947	0.962	0.973	0.982
1500.0	0.003	0.016	0.049	0.135	0.297	0.427	0.567	0.681	0.781	0.823	0.886	0.917	0.941	0.961	0.974
1510.0	0.009	0.042	0.096	0.210	0.428	0.579	0.715	0.826	0.877	0.909	0.947	0.956	0.968	0.978	0.985
1520.0	0.009	0.042	0.096	0.213	0.435	0.589	0.728	0.839	0.887	0.915	0.950	0.960	0.971	0.980	0.987
1530.0	0.009	0.042	0.096	0.213	0.435	0.589	0.728	0.839	0.887	0.915	0.950	0.960	0.971	0.980	0.987
1540.0	0.009	0.042	0.096	0.213	0.435	0.589	0.728	0.839	0.887	0.915	0.950	0.960	0.971	0.980	0.987
1550.0	0.009	0.042	0.096	0.213	0.435	0.589	0.728	0.839	0.887	0.915	0.950	0.960	0.971	0.980	0.987
1560.0	0.020	0.090	0.193	0.357	0.558	0.660	0.764	0.858	0.897	0.909	0.942	0.956	0.968	0.978	0.985
1570.0	0.020	0.090	0.193	0.357	0.558	0.660	0.764	0.858	0.897	0.909	0.942	0.956	0.968	0.978	0.985
1580.0	0.006	0.041	0.156	0.278	0.442	0.560	0.692	0.771	0.852	0.879	0.921	0.944	0.961	0.975	0.983
1590.0	0.009	0.059	0.194	0.326	0.432	0.575	0.676	0.799	0.856	0.884	0.929	0.951	0.966	0.977	0.985
1600.0	0.004	0.071	0.194	0.352	0.554	0.677	0.771	0.854	0.899	0.926	0.955	0.969	0.978	0.987	0.991
1610.0	0.002	0.032	0.097	0.198	0.362	0.490	0.607	0.733	0.804	0.858	0.904	0.935	0.954	0.971	0.980
1620.0	0.000	0.003	0.014	0.063	0.207	0.352	0.497	0.657	0.750	0.819	0.884	0.925	0.947	0.965	0.975
1630.0	0.000	0.001	0.005	0.031	0.135	0.263	0.417	0.597	0.722	0.797	0.868	0.915	0.940	0.960	0.972
1640.0	0.000	0.000	0.002	0.015	0.082	0.197	0.377	0.561	0.697	0.785	0.852	0.905	0.933	0.955	0.968
1650.0	0.000	0.000	0.001	0.008	0.055	0.152	0.337	0.532	0.677	0.772	0.842	0.897	0.928	0.951	0.965
1660.0	0.000	0.000	0.000	0.004	0.037	0.117	0.302	0.504	0.657	0.759	0.832	0.889	0.922	0.947	0.962
1670.0	0.000	0.000	0.000	0.002	0.025	0.091	0.272	0.476	0.637	0.745	0.821	0.881	0.916	0.942	0.958
1680.0	0.000	0.000	0.000	0.001	0.016	0.070	0.244	0.448	0.616	0.730	0.809	0.872	0.909	0.937	0.954
1690.0	0.000	0.000	0.000	0.001	0.011	0.054	0.219	0.421	0.594	0.714	0.796	0.863	0.902	0.931	0.949
1700.0	0.000	0.000	0.000	0.000	0.007	0.041	0.196	0.395	0.572	0.697	0.783	0.853	0.894	0.925	0.944
1710.0	0.000	0.000	0.000	0.000	0.005	0.031	0.176	0.370	0.550	0.679	0.770	0.843	0.886	0.919	0.939
1720.0	0.000	0.000	0.000	0.000	0.003	0.023	0.158	0.346	0.528	0.661	0.757	0.833	0.878	0.913	0.934
1730.0	0.000	0.000	0.000	0.000	0.002	0.017	0.142	0.324	0.506	0.643	0.744	0.823	0.870	0.907	0.929
1740.0	0.000	0.000	0.000	0.000	0.002	0.013	0.128	0.304	0.485	0.625	0.731	0.813	0.862	0.901	0.924
1750.0	0.000	0.000	0.000	0.000	0.001	0.010	0.115	0.285	0.465	0.608	0.718	0.803	0.854	0.895	0.919
1760.0	0.000	0.000	0.000	0.000	0.001	0.007	0.103	0.267	0.445	0.590	0.704	0.792	0.845	0.888	0.913
1770.0	0.000	0.000	0.000	0.000	0.001	0.006	0.092	0.250	0.426	0.572	0.690	0.780	0.836	0.881	0.907
1780.0	0.000	0.000	0.000	0.000	0.000	0.005	0.083	0.234	0.407	0.554	0.675	0.768	0.826	0.873	0.901
1790.0	0.000	0.000	0.000	0.000	0.000	0.004	0.074	0.219	0.389	0.535	0.660	0.755	0.815	0.865	0.894
1800.0	0.000	0.000	0.000	0.000	0.000	0.003	0.066	0.205	0.371	0.516	0.644	0.742	0.804	0.856	0.887
1810.0	0.000	0.000	0.000	0.000	0.000	0.003	0.059	0.192	0.354	0.498	0.628	0.728	0.793	0.846	0.880
1820.0	0.000	0.000	0.000	0.000	0.000	0.002	0.053	0.179	0.338	0.480	0.612	0.715	0.781	0.836	0.872
1830.0	0.000	0.000	0.000	0.000	0.000	0.002	0.047	0.168	0.322	0.462	0.596	0.701	0.769	0.825	0.864
1840.0	0.000	0.000	0.000	0.000	0.000	0.002	0.042	0.157	0.307	0.444	0.580	0.687	0.757	0.814	0.856
1850.0	0.000	0.000	0.000	0.000	0.000	0.001	0.038	0.147	0.292	0.427	0.565	0.673	0.745	0.804	0.848
1860.0	0.000	0.000	0.000	0.000	0.000	0.001	0.034	0.138	0.278	0.411	0.550	0.659	0.733	0.794	0.840
1870.0	0.000	0.000	0.000	0.000	0.000	0.001	0.030	0.129	0.265	0.396	0.535	0.645	0.721	0.784	0.832
1880.0	0.000	0.000	0.000	0.000	0.000	0.001	0.027	0.121	0.252	0.381	0.520	0.631	0.709	0.774	0.824
1890.0	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.113	0.240	0.367	0.506	0.617	0.697	0.764	0.816
1900.0	0.000	0.000	0.000	0.000	0.000	0.000	0.022	0.106	0.229	0.353	0.492	0.603	0.685	0.753	0.808
1910.0	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.100	0.218	0.340	0.479	0.589	0.673	0.743	0.800
1920.0	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.094	0.207	0.327	0.466	0.576	0.661	0.732	0.792
1930.0	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.088	0.197	0.315	0.453	0.563	0.649	0.721	0.784
1940.0	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.083	0.188	0.303	0.441	0.550	0.637	0.710	0.776
1950.0	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.078	0.179	0.292	0.429	0.537	0.625	0.699	0.768
1960.0	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.073	0.171	0.281	0.417	0.524	0.613	0.688	0.759
1970.0	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.069	0.163	0.270	0.405	0.511	0.601	0.677	0.751
1980.0	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.065	0.156	0.260	0.394	0.499	0.589	0.667	0.743
1990.0	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.061	0.149	0.250	0.383	0.487	0.577	0.656	0.734
2000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.058	0.142	0.240	0.372	0.475	0.565	0.645	0.726
2010.0	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.054	0.136	0.230	0.361	0.463	0.553	0.634	0.717
2020.0	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.051	0.130	0.221	0.350	0.451	0.541	0.623	0.708
2030.0	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.048	0.124	0.212	0.339	0.439	0.529	0.612	0.699
2040.0	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.045	0.118	0.203	0.329	0.428	0.518	0.601	0.690
2050.0	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.042	0.113	0.195	0.318	0.417	0.507	0.590	0.681
2060.0	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.039	0.107	0.186	0.308	0.406	0.496	0.579	0.671
2070.0	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.036	0.102	0.178	0.298	0.395	0.485	0.568	0.661
2080.0	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.034	0.097	0.170	0.288	0.384	0.474	0.557	0.651
2090.0	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.032	0.093	0.162	0.279	0.374	0.463	0.547	0.641
2100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.030	0.088	0.154	0.270	0.364	0.453	0.536	0.631
2110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.028	0.084	0.147	0.261	0.354	0.443	0.526	0.621
2120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.026	0.080	0.140	0.252	0.344	0.433	0.516	0.611
2130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.024	0.076	0.133	0.243	0.334	0.423	0.506	0.601
2140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.023	0.072	0.127	0.235	0.325	0.413	0.496	0.591
2150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.021	0.069	0.120	0.226	0.315	0.403	0.486	0.581
2160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.020	0.065	0.114	0.218	0.306	0.393	0.476	0.571
2170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.019	0.062	0.108	0.210	0.297	0.383	0.466	0.561
2180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.017	0.059	0.103	0.202	0.288	0.373	0.456	0.551
2190.0	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.016	0.056	0.098	0.194	0.279	0.363	0.446	0.541
2200.0	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.015	0.053	0.093	0.186	0.271	0.353	0.436	0.531
2210.0	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.014	0.051	0.088	0.179	0.262	0.343	0.426	0.521
2220.0	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.013	0.048	0.084	0.172	0.254	0.333	0.416	0.511
2230.0	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.012	0.046	0.080	0.165	0.245	0.324	0.406	0.501
2240.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.043	0.076	0.158	0.237	0.315	0.397	0.492
2250.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.041	0.072	0.152	0.229	0.306	0.388	0.483

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
						U(P.R.CM.)									
2260.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2270.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2280.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2290.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2300.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2310.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2320.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2330.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2340.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2350.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2360.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2370.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2380.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2390.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2400.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2410.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2420.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2430.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2440.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2450.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2460.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2470.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2480.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2490.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2500.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2510.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2520.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2530.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2540.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2550.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2560.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2570.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2580.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

WATER VAPOR AT 0.01 ATMOSPHERE PRESSURE

T=200° K

AVERAGED OVER 20cm^{-1}

WATER VAPOR AT 0.01 ATMOSPHERE PRESSURE

T=200° K

AVERAGED OVER 20cm^{-1}

FREQ.	U(PR.CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
8760.0	0.431	0.457	0.470	0.924	0.982	0.993	0.996	0.998	0.999	0.998	0.999	0.999	1.000	1.000	1.000
8770.0	0.434	0.458	0.471	0.929	0.987	0.995	0.996	0.998	0.999	0.998	0.999	0.999	1.000	1.000	1.000
8780.0	0.436	0.458	0.471	0.929	0.987	0.995	0.996	0.998	0.999	0.998	0.999	0.999	1.000	1.000	1.000
8790.0	0.435	0.457	0.470	0.927	0.986	0.995	0.996	0.998	0.999	0.998	0.999	0.999	1.000	1.000	1.000
8800.0	0.434	0.456	0.469	0.925	0.985	0.994	0.996	0.998	0.999	0.998	0.999	0.999	1.000	1.000	1.000
8810.0	0.432	0.454	0.468	0.923	0.984	0.994	0.996	0.998	0.999	0.998	0.999	0.999	1.000	1.000	1.000
8820.0	0.430	0.453	0.466	0.921	0.983	0.993	0.996	0.998	0.999	0.998	0.999	0.999	1.000	1.000	1.000
8830.0	0.428	0.451	0.465	0.919	0.982	0.993	0.996	0.998	0.999	0.998	0.999	0.999	1.000	1.000	1.000
8840.0	0.426	0.450	0.463	0.917	0.981	0.992	0.995	0.998	0.999	0.998	0.999	0.999	1.000	1.000	1.000
8850.0	0.424	0.448	0.462	0.915	0.980	0.992	0.995	0.998	0.999	0.998	0.999	0.999	1.000	1.000	1.000
8860.0	0.423	0.447	0.461	0.914	0.980	0.991	0.995	0.997	0.999	0.998	0.999	0.999	1.000	1.000	1.000
8870.0	0.421	0.445	0.459	0.912	0.979	0.991	0.995	0.997	0.999	0.998	0.999	0.999	1.000	1.000	1.000
8880.0	0.419	0.444	0.458	0.910	0.978	0.990	0.995	0.997	0.999	0.998	0.999	0.999	1.000	1.000	1.000
8890.0	0.418	0.443	0.457	0.909	0.977	0.990	0.994	0.997	0.999	0.998	0.999	0.999	1.000	1.000	1.000
8900.0	0.416	0.441	0.455	0.907	0.976	0.989	0.994	0.997	0.999	0.998	0.999	0.999	1.000	1.000	1.000
8910.0	0.414	0.440	0.454	0.905	0.975	0.989	0.994	0.997	0.999	0.998	0.999	0.999	1.000	1.000	1.000
8920.0	0.413	0.439	0.453	0.904	0.975	0.988	0.994	0.997	0.999	0.998	0.999	0.999	1.000	1.000	1.000
8930.0	0.411	0.437	0.451	0.902	0.974	0.988	0.994	0.997	0.999	0.998	0.999	0.999	1.000	1.000	1.000
8940.0	0.409	0.436	0.450	0.900	0.973	0.987	0.993	0.997	0.999	0.998	0.999	0.999	1.000	1.000	1.000
8950.0	0.408	0.435	0.449	0.899	0.972	0.987	0.993	0.997	0.999	0.998	0.999	0.999	1.000	1.000	1.000
8960.0	0.406	0.433	0.447	0.897	0.971	0.986	0.993	0.997	0.999	0.998	0.999	0.999	1.000	1.000	1.000
8970.0	0.404	0.432	0.446	0.895	0.970	0.986	0.993	0.997	0.999	0.998	0.999	0.999	1.000	1.000	1.000
8980.0	0.403	0.431	0.444	0.894	0.970	0.985	0.993	0.997	0.999	0.998	0.999	0.999	1.000	1.000	1.000
8990.0	0.401	0.429	0.443	0.892	0.969	0.985	0.992	0.997	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9000.0	0.399	0.428	0.442	0.890	0.968	0.984	0.992	0.997	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9010.0	0.398	0.426	0.440	0.889	0.967	0.984	0.992	0.997	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9020.0	0.396	0.425	0.439	0.887	0.966	0.983	0.992	0.997	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9030.0	0.394	0.423	0.437	0.885	0.965	0.983	0.991	0.997	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9040.0	0.393	0.422	0.436	0.884	0.965	0.982	0.991	0.997	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9050.0	0.391	0.420	0.434	0.882	0.964	0.982	0.991	0.997	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9060.0	0.389	0.419	0.433	0.880	0.963	0.981	0.991	0.997	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9070.0	0.388	0.417	0.432	0.879	0.962	0.981	0.990	0.997	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9080.0	0.386	0.416	0.430	0.877	0.961	0.980	0.990	0.997	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9090.0	0.384	0.414	0.429	0.875	0.960	0.980	0.990	0.997	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9100.0	0.383	0.413	0.427	0.874	0.960	0.979	0.990	0.997	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9110.0	0.381	0.411	0.426	0.872	0.959	0.979	0.989	0.996	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9120.0	0.379	0.410	0.424	0.870	0.958	0.978	0.989	0.996	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9130.0	0.378	0.408	0.423	0.869	0.957	0.978	0.989	0.996	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9140.0	0.376	0.407	0.421	0.867	0.956	0.977	0.988	0.996	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9150.0	0.374	0.405	0.420	0.865	0.955	0.977	0.988	0.996	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9160.0	0.373	0.404	0.418	0.864	0.955	0.976	0.988	0.996	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9170.0	0.371	0.402	0.417	0.862	0.954	0.976	0.988	0.996	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9180.0	0.369	0.401	0.415	0.860	0.953	0.975	0.987	0.996	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9190.0	0.368	0.399	0.414	0.859	0.952	0.975	0.987	0.996	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9200.0	0.366	0.398	0.412	0.857	0.952	0.974	0.987	0.996	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9210.0	0.364	0.396	0.411	0.855	0.951	0.974	0.987	0.996	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9220.0	0.363	0.395	0.409	0.854	0.950	0.973	0.986	0.996	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9230.0	0.361	0.393	0.408	0.852	0.949	0.973	0.986	0.996	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9240.0	0.359	0.392	0.406	0.850	0.949	0.972	0.986	0.996	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9250.0	0.358	0.390	0.405	0.849	0.948	0.972	0.986	0.996	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9260.0	0.356	0.389	0.403	0.847	0.947	0.971	0.985	0.996	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9270.0	0.354	0.387	0.402	0.845	0.946	0.971	0.985	0.995	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9280.0	0.353	0.386	0.400	0.844	0.946	0.970	0.985	0.995	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9290.0	0.351	0.384	0.399	0.842	0.945	0.970	0.985	0.995	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9300.0	0.349	0.383	0.397	0.840	0.944	0.969	0.984	0.995	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9310.0	0.348	0.381	0.396	0.839	0.943	0.969	0.984	0.995	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9320.0	0.346	0.380	0.394	0.837	0.943	0.968	0.984	0.995	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9330.0	0.344	0.378	0.393	0.835	0.942	0.968	0.984	0.995	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9340.0	0.343	0.377	0.391	0.834	0.941	0.967	0.983	0.995	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9350.0	0.341	0.375	0.390	0.832	0.941	0.967	0.983	0.995	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9360.0	0.339	0.374	0.388	0.830	0.940	0.966	0.983	0.994	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9370.0	0.338	0.372	0.387	0.829	0.939	0.966	0.983	0.994	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9380.0	0.336	0.371	0.385	0.827	0.938	0.965	0.982	0.994	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9390.0	0.334	0.369	0.384	0.825	0.938	0.965	0.982	0.994	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9400.0	0.333	0.368	0.382	0.824	0.937	0.964	0.982	0.994	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9410.0	0.331	0.366	0.381	0.822	0.936	0.964	0.982	0.994	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9420.0	0.329	0.365	0.379	0.820	0.935	0.963	0.981	0.994	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9430.0	0.328	0.363	0.378	0.819	0.935	0.963	0.981	0.994	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9440.0	0.326	0.362	0.376	0.817	0.934	0.962	0.981	0.993	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9450.0	0.324	0.360	0.375	0.815	0.933	0.962	0.981	0.993	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9460.0	0.323	0.359	0.373	0.814	0.933	0.961	0.980	0.993	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9470.0	0.321	0.357	0.372	0.812	0.932	0.961	0.980	0.993	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9480.0	0.319	0.356	0.370	0.810	0.931	0.960	0.980	0.993	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9490.0	0.318	0.354	0.369	0.809	0.931	0.960	0.980	0.993	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9500.0	0.316	0.353	0.367	0.807	0.930	0.959	0.979	0.992	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9510.0	0.314	0.351	0.366	0.805	0.929	0.959	0.979	0.992	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9520.0	0.313	0.350	0.364	0.804	0.929	0.958	0.979	0.992	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9530.0	0.311	0.348	0.363	0.802	0.928	0.958	0.979	0.992	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9540.0	0.309	0.347	0.361	0.800	0.927	0.957	0.978	0.992	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9550.0	0.308	0.345	0.360	0.799	0.927	0.957	0.978	0.992	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9560.0	0.306	0.344	0.358	0.797	0.926	0.956	0.978	0.991	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9570.0	0.304	0.342	0.357	0.795	0.925	0.956	0.978	0.991	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9580.0	0.303	0.341	0.355	0.794	0.925	0.955	0.977	0.991	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9590.0	0.301	0.339	0.354	0.792	0.924	0.955	0.977	0.991	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9600.0	0.299	0.338	0.352	0.790	0.923	0.954	0.977	0.991	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9610.0	0.298	0.336	0.351	0.789	0.923	0.954	0.977	0.991	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9620.0	0.296	0.335	0.349	0.787	0.922	0.953	0.976	0.990	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9630.0	0.294	0.333	0.348	0.785	0.921	0.953	0.976	0.990	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9640.0	0.293	0.332	0.346	0.784	0.921	0.952	0.976	0.990	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9650.0	0.291	0.330	0.345	0.782	0.920	0.952	0.976	0.990	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9660.0	0.289	0.329	0.343	0.781	0.919	0.951	0.975	0.990	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9670.0	0.288	0.327	0.342	0.779	0.919	0.951	0.975	0.990	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9680.0	0.286	0.326	0.340	0.777	0.918	0.950	0.975	0.989	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9690.0	0.284	0.324	0.339	0.776	0.917	0.950	0.974	0.989	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9700.0	0.283	0.323	0.337	0.774	0.917	0.949	0.974	0.989	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9710.0	0.281	0.321	0.336	0.772	0.916	0.949	0.974	0.989	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9720.0	0.279	0.320	0.334	0.771	0.915	0.948	0.974	0.989	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9730.0	0.278	0.318	0.333	0.769	0.915	0.948	0.973	0.989	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9740.0	0.276	0.317	0.331	0.768	0.914	0.947	0.973	0.989	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9750.0	0.274	0.315	0.330	0.766	0.913	0.947	0.973	0.988	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9760.0	0.273	0.314	0.328	0.764	0.913	0.946	0.973	0.988	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9770.0	0.271	0.312	0.327	0.763	0.912	0.946	0.972	0.988	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9780.0	0.269	0.311	0.325	0.761	0.911	0.945	0.972	0.988	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9790.0	0.268	0.309	0.324	0.759	0.911	0.945	0.972	0.988	0.999	0.998	0.999	0.999	1.000	1.000	1.000
9800.0	0.266	0.308	0.322	0.758	0.910	0.944	0.972	0.988	0.999	0.998	0.999	0.999	1.000	1.000	1.000

APPENDIX D

WATER VAPOR TRANSMISSIONS AVERAGED OVER 50 cm^{-1} WITH ENTRIES EVERY 25 cm^{-1} FOR FREQUENCIES FROM 1000 cm^{-1} TO 10,000 cm^{-1} AT 300°K, 250°K, AND 200°K

WATER VAPOR AT 1.00 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER 50cm^{-1}

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
UNIT CM.)															
1025.0	0.370	0.686	0.826	0.922	0.979	0.993	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1050.0	0.334	0.653	0.785	0.896	0.967	0.986	0.993	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
1075.0	0.263	0.586	0.745	0.849	0.953	0.979	0.990	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
1100.0	0.219	0.508	0.696	0.801	0.930	0.966	0.985	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
1125.0	0.165	0.421	0.622	0.776	0.898	0.947	0.973	0.988	0.994	0.997	0.999	0.999	1.000	1.000	1.000
1150.0	0.101	0.342	0.543	0.722	0.860	0.923	0.956	0.980	0.990	0.996	0.998	0.999	0.999	1.000	1.000
1175.0	0.051	0.262	0.466	0.626	0.807	0.884	0.934	0.968	0.983	0.991	0.996	0.998	0.999	1.000	1.000
1200.0	0.024	0.197	0.390	0.535	0.720	0.825	0.899	0.947	0.970	0.986	0.993	0.997	0.998	0.999	1.000
1225.0	0.012	0.152	0.327	0.466	0.649	0.775	0.861	0.922	0.952	0.979	0.991	0.996	0.998	0.999	1.000
1250.0	0.003	0.068	0.162	0.285	0.501	0.644	0.762	0.866	0.916	0.950	0.977	0.988	0.994	0.997	0.999
1275.0	0.000	0.011	0.056	0.158	0.362	0.527	0.670	0.811	0.881	0.929	0.967	0.983	0.991	0.996	0.998
1300.0	0.000	0.002	0.025	0.105	0.294	0.483	0.633	0.783	0.864	0.923	0.955	0.980	0.992	0.996	0.998
1325.0	0.000	0.000	0.012	0.063	0.152	0.396	0.587	0.751	0.838	0.911	0.947	0.975	0.988	0.995	0.998
1350.0	0.000	0.000	0.004	0.033	0.105	0.286	0.544	0.709	0.808	0.894	0.939	0.969	0.985	0.993	0.997
1375.0	0.000	0.000	0.000	0.020	0.057	0.170	0.488	0.664	0.777	0.875	0.930	0.963	0.981	0.992	0.996
1400.0	0.000	0.000	0.000	0.009	0.030	0.105	0.407	0.575	0.693	0.788	0.879	0.926	0.958	0.978	0.991
1425.0	0.000	0.000	0.000	0.000	0.020	0.031	0.317	0.507	0.646	0.777	0.865	0.917	0.952	0.975	0.989
1450.0	0.000	0.000	0.000	0.000	0.000	0.003	0.210	0.419	0.577	0.743	0.850	0.909	0.946	0.971	0.986
1475.0	0.000	0.000	0.000	0.000	0.000	0.000	0.101	0.319	0.505	0.698	0.833	0.900	0.940	0.967	0.983
1500.0	0.000	0.000	0.000	0.000	0.000	0.000	0.047	0.219	0.434	0.654	0.815	0.890	0.934	0.963	0.980
1525.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.122	0.363	0.609	0.796	0.879	0.928	0.958	0.977
1550.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.293	0.564	0.775	0.867	0.921	0.953	0.974
1575.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.224	0.519	0.753	0.855	0.914	0.948	0.971
1600.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.156	0.473	0.731	0.843	0.907	0.943	0.968
1625.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.089	0.427	0.709	0.831	0.900	0.938	0.965
1650.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.039	0.381	0.687	0.819	0.893	0.933	0.962
1675.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.335	0.665	0.807	0.886	0.928	0.959
1700.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.289	0.643	0.795	0.879	0.923	0.956
1725.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.243	0.621	0.783	0.872	0.918	0.953
1750.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.197	0.599	0.771	0.865	0.913	0.950
1775.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.151	0.577	0.759	0.858	0.908	0.947
1800.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.105	0.555	0.747	0.851	0.903	0.944
1825.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.059	0.533	0.735	0.844	0.898	0.941
1850.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.511	0.723	0.837	0.893	0.938
1875.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.489	0.711	0.830	0.888	0.935
1900.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.467	0.699	0.823	0.883	0.932
1925.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.445	0.687	0.816	0.878	0.929
1950.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.423	0.675	0.809	0.873	0.926
1975.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.401	0.663	0.802	0.868	0.923
2000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.379	0.651	0.795	0.863	0.920
2025.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.357	0.639	0.788	0.858	0.917
2050.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.335	0.627	0.781	0.853	0.914
2075.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.313	0.615	0.774	0.848	0.911
2100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.291	0.603	0.767	0.843	0.908
2125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.269	0.591	0.760	0.838	0.905
2150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.247	0.579	0.753	0.833	0.902
2175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.225	0.567	0.746	0.828	0.899
2200.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.203	0.555	0.739	0.823	0.896
2225.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.181	0.543	0.732	0.818	0.893
2250.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.159	0.531	0.725	0.813	0.890
2275.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.137	0.519	0.718	0.808	0.887
2300.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.115	0.507	0.711	0.803	0.884
2325.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.093	0.495	0.704	0.798	0.881
2350.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.071	0.483	0.697	0.793	0.878
2375.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.049	0.471	0.690	0.788	0.875
2400.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.459	0.683	0.783	0.872
2425.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.447	0.676	0.778	0.869
2450.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.435	0.669	0.773	0.866
2475.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.423	0.662	0.768	0.863
2500.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.411	0.655	0.763	0.860
2525.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.399	0.648	0.758	0.857
2550.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.387	0.641	0.753	0.854
2575.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.375	0.634	0.748	0.851
2600.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.363	0.627	0.743	0.848
2625.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.351	0.620	0.738	0.845
2650.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.339	0.613	0.733	0.842
2675.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.327	0.606	0.728	0.839
2700.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.315	0.599	0.723	0.836
2725.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.303	0.592	0.718	0.833
2750.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.291	0.585	0.713	0.830
2775.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.279	0.578	0.708	0.827
2800.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.267	0.571	0.703	0.824
2825.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.255	0.564	0.698	0.821
2850.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.243	0.557	0.693	0.818
2875.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.231	0.550	0.688	0.815
2900.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.219	0.543	0.683	0.812
2925.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.207	0.536	0.678	0.809
2950.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.195	0.529	0.673	0.806
2975.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.183	0.522	0.668	0.803
3000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.171	0.515	0.663	0.800
3025.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.159	0.508	0.658	0.797
3050.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.147	0.501	0.653	0.794
3075.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.135	0.494	0.648	0.791
3100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.123	0.487	0.643	0.788
3125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.111	0.480	0.638	0.785
3150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.099	0.473	0.633	0.782
3175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.087	0.466	0.628	0.779
3200.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.075	0.459	0.623	0.776
3225.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.063	0.452	0.618	0.773
3250.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.051	0.445	0.613	0.770
3275.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.039	0.438	0.608	0.767
3300.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.431	0.603	0.764
3325.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.424	0.598	0.761
3350.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.417	0.593	0.758
3375.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.410	0.588	0.755
3400.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.403	0.583	0.752
3425.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.396	0.578	0.749
3450.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.389	0.573	0.746
3475.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.382	0.568	0.743
3500.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.375	0.563	0.740
3525.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.368	0.558	0.737
3550.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.361	0.553	0.734
3575.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.354	0.548	0.731
3600.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.347	0.543	0.728
3625.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.340	0.538	0.725
3650.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.333	0.533	0.722
3675.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.326	0.528	0.719
3700.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.319	0.523	0.716
3725.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.312	0.518	0.713
3750.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.305	0.513	0.710
3775.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.298	0.508	0.707
3800.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.291	0.503	0.704
3825.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.284	0.498	0.701
3850.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.277	0.493	0.698
3875.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.270	0.488	0.695
3900.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.263	0.483	0.692
3925.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.256	0.478	0.689
3950.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.249	0.473	0.686
3975.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.242	0.468	0.683
4000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.235	0.463	0.680
4025.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.228	0.458	0.677
4050.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.221	0.453	0.674
4075.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.214	0.448	0.671
4100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.207	0.443	0.668
4125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.438	0.665

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
UNIT CM.)															
4150.0	0.005	0.116	0.340	0.589	0.821	0.931	0.963	0.991	0.997	0.999	1.000	1.000	1.000	1.000	1.000
4175.0	0.011	0.163	0.409	0.647	0.854	0.950	0.971	0.994	0.998	1.000	1.000	1.000	1.000	1.000	1.000
4200.0	0.019	0.206	0.463	0.688	0.875	0.961	0.977	0.995	0.998	1.000	1.000	1.000	1.000	1.000	1.000
4225.0	0.030	0.252	0.510	0.723	0.890	0.951	0.982	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4250.0	0.045	0.296	0.553	0.756	0.903	0.959	0.986	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4275.0	0.062	0.337	0.590	0.779	0.914	0.966	0.988	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.002
4300.0	0.082	0.377	0.625	0.800	0.924	0.969	0.990	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4325.0	0.105	0.415	0.654	0.820	0.932	0.973	0.992	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4350.0	0.123	0.443	0.677	0.835	0.938	0.976	0.993	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4375.0	0.138	0.463	0.690	0.843	0.942	0.978	0.994	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4400.0	0.143	0.468	0.688	0.835	0.937	0.975	0.990	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4425.0	0.143	0.468	0.681	0.832	0.932	0.974	0.989	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4450.0	0.136	0.458	0.665	0.769	0.890	0.951	0.984	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
4475.0	0.124	0.440	0.645	0.747	0.875	0.945	0.980	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000
4500.0	0.072	0.282	0.475	0.639	0.794	0.869	0.937	0.959	0.977	0.988	0.995	0.997	0.999	1.000	1.000
4525.0	0.044	0.203	0.378	0.547	0.723	0.855	0.897	0.933	0.960	0.978	0.992	0.995	0.999	0.999	1.000
4550.0	0.043	0.205	0.386	0.562	0.747	0.863	0.907	0.941	0.965	0.982	0.993	0.996	0.999	0.999	1.000
4575.0	0.043	0.209	0.393	0.577	0.770	0.872	0.917	0.950	0.970	0.986	0.994	0.997	0.999	0.999	1.000
4600.0	0.043	0.213	0.400	0.592	0.793	0.880	0.927	0.958	0.974	0.989	0.995	0.997	0.999	0.999	1.000
4625.0	0.044	0.218	0.408	0.607	0.816	0.889	0.937	0.967	0.979	0.992	0.996	0.998	0.999	0.999	1.000
4650.0	0.042	0.204	0.357	0.458	0.604	0.702	0.786	0.876	0.922	0.956	0.980	0.990	0.995	0.998	0.999
4675.0	0.106	0.355	0.476	0.604	0.760	0.860	0.897	0.944	0.972	0.987	0.993	0.999	0.999	0.999	1.000
4700.0	0.125	0.356	0.536	0.668	0.810	0.893	0.909	0.951	0.977	0.990	0.996	0.999	0.999	1.000	1.000
4725.0	0.333	0.332	0.533	0.655	0.785	0.850	0.899	0.947	0.969	0.979	0.991	0.995	0.998	0.999	1.000
4750.0	0.268	0.283	0.453	0.595	0.731	0.806	0.894	0.939	0.959	0.970	0.987	0.994	0.998	0.999	1.000
4775.0	0.074	0.351	0.616	0.557	0.706	0.786	0.842	0.929	0.943	0.965	0.986	0.994	0.999	0.999	1.000
4800.0	0.075	0.262	0.533	0.584	0.738	0.817	0.876	0.929	0.955	0.973	0.987	0.993	0.997	0.999	0.999
4825.0	0.067	0.198	0.347	0.501	0.666	0.758	0.831	0.901	0.937	0.962	0.983	0.992	0.996	0.999	0.999
4850.0	0.062	0.170	0.293	0.447	0.606	0.703	0.787	0.873	0.918	0.951	0.979	0.990	0.995	0.998	0.999
4875.0	0.086	0.295	0.479	0.663	0.792	0.861	0.909	0.948	0.967	0.980	0.991	0.995	0.997	0.999	0.999
4900.0	0.067	0.269	0.411	0.560	0.716	0.829	0.887	0.936	0.959	0.975	0.988	0.994	0.997	0.999	0.999
4925.0	0.055	0.218	0.366	0.555	0.715	0.826	0.885	0.934	0.958	0.975	0.988	0.994	0.997	0.999	0.999
4950.0	0.039	0.189	0.358	0.527	0.707	0.803	0.871	0.931	0.959	0.977

WATER VAPOR AT 0.50 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER 50 cm^{-1}

WATER VAPOR AT 0.20 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER 50cm^{-1}

WATER VAPOR 0.10 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER 50cm^{-1}

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
UNIT=CM.)															
1025.0	0.889	0.954	0.977	0.984	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1050.0	0.884	0.951	0.965	0.978	0.986	0.992	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
1075.0	0.862	0.927	0.954	0.971	0.983	0.990	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
1100.0	0.802	0.883	0.941	0.962	0.977	0.985	0.990	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000
1125.0	0.731	0.857	0.918	0.941	0.965	0.977	0.985	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
1150.0	0.656	0.803	0.887	0.914	0.944	0.965	0.977	0.988	0.992	0.996	0.998	0.999	0.999	1.000	1.000
1175.0	0.569	0.744	0.849	0.884	0.920	0.948	0.965	0.982	0.989	0.995	0.997	0.998	0.999	1.000	1.000
1200.0	0.462	0.657	0.782	0.835	0.892	0.929	0.951	0.972	0.982	0.989	0.995	0.997	0.998	0.999	1.000
1225.0	0.332	0.557	0.701	0.780	0.858	0.904	0.933	0.958	0.972	0.983	0.991	0.995	0.996	0.999	1.000
1250.0	0.240	0.431	0.565	0.676	0.786	0.867	0.893	0.935	0.957	0.972	0.985	0.991	0.995	0.998	0.999
1275.0	0.324	0.297	0.440	0.572	0.713	0.792	0.856	0.911	0.941	0.961	0.979	0.987	0.993	0.997	0.998
1300.0	0.083	0.215	0.340	0.467	0.639	0.712	0.815	0.884	0.919	0.948	0.971	0.984	0.991	0.996	0.998
1325.0	0.036	0.109	0.205	0.374	0.587	0.598	0.770	0.852	0.896	0.933	0.964	0.979	0.988	0.995	0.997
1350.0	0.042	0.052	0.098	0.181	0.536	0.464	0.693	0.814	0.867	0.917	0.955	0.974	0.985	0.993	0.996
1375.0	0.000	0.004	0.026	0.075	0.390	0.307	0.585	0.759	0.817	0.888	0.942	0.966	0.980	0.991	0.994
1400.0	0.000	0.000	0.005	0.025	0.096	0.197	0.325	0.502	0.621	0.721	0.820	0.876	0.933	0.967	0.984
1425.0	0.000	0.000	0.001	0.016	0.067	0.193	0.324	0.499	0.617	0.716	0.815	0.869	0.928	0.964	0.982
1450.0	0.000	0.000	0.001	0.009	0.060	0.192	0.324	0.497	0.615	0.647	0.760	0.825	0.878	0.920	0.946
1475.0	0.000	0.000	0.000	0.001	0.015	0.062	0.151	0.319	0.449	0.573	0.709	0.788	0.848	0.904	0.933
1500.0	0.000	0.000	0.000	0.000	0.009	0.031	0.085	0.213	0.335	0.466	0.623	0.717	0.797	0.870	0.909
1525.0	0.000	0.000	0.000	0.000	0.002	0.013	0.052	0.161	0.279	0.411	0.576	0.681	0.766	0.848	0.893
1550.0	0.000	0.000	0.000	0.000	0.000	0.004	0.026	0.080	0.216	0.344	0.473	0.626	0.721	0.816	0.873
1575.0	0.000	0.000	0.000	0.000	0.000	0.001	0.009	0.049	0.162	0.295	0.442	0.575	0.675	0.784	0.853
1600.0	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.029	0.129	0.253	0.381	0.534	0.643	0.753	0.833
1625.0	0.000	0.000	0.000	0.000	0.000	0.001	0.009	0.068	0.112	0.211	0.376	0.501	0.616	0.740	0.812
1650.0	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.033	0.095	0.184	0.331	0.722	0.594	0.705	0.792
1675.0	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.013	0.079	0.164	0.313	0.446	0.570	0.684	0.774
1700.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.029	0.145	0.296	0.365	0.548	0.663	0.757
1725.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.020	0.127	0.280	0.352	0.526	0.643	0.737
1750.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.013	0.113	0.263	0.341	0.506	0.625	0.717
1775.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.009	0.100	0.248	0.331	0.487	0.607	0.698
1800.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.089	0.234	0.321	0.469	0.589	0.680
1825.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.079	0.221	0.311	0.452	0.572	0.662
1850.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.070	0.208	0.301	0.435	0.555	0.644
1875.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.062	0.196	0.291	0.419	0.538	0.626
1900.0	0.000	0.000	0.004	0.029	0.078	0.258	0.400	0.538	0.646	0.775	0.834	0.895	0.952	0.970	0.980
1925.0	0.000	0.000	0.009	0.051	0.161	0.306	0.458	0.583	0.696	0.775	0.837	0.896	0.947	0.969	0.979
1950.0	0.000	0.000	0.007	0.039	0.119	0.257	0.414	0.557	0.671	0.775	0.840	0.897	0.942	0.968	0.978
1975.0	0.000	0.000	0.005	0.031	0.101	0.206	0.370	0.532	0.647	0.774	0.843	0.898	0.937	0.967	0.976
2000.0	0.000	0.000	0.004	0.026	0.089	0.195	0.329	0.508	0.624	0.774	0.847	0.899	0.933	0.966	0.975
2025.0	0.043	0.158	0.288	0.426	0.592	0.695	0.778	0.855	0.897	0.928	0.955	0.970	0.980	0.989	0.993
2050.0	0.077	0.250	0.376	0.508	0.655	0.752	0.815	0.869	0.901	0.929	0.956	0.970	0.980	0.989	0.993
2075.0	0.106	0.279	0.427	0.557	0.694	0.773	0.835	0.885	0.915	0.941	0.960	0.973	0.982	0.990	0.994
2100.0	0.161	0.324	0.473	0.601	0.731	0.804	0.860	0.901	0.926	0.947	0.964	0.975	0.984	0.991	0.994
2125.0	0.186	0.369	0.509	0.628	0.749	0.818	0.871	0.909	0.934	0.954	0.968	0.978	0.985	0.992	0.994
2150.0	0.252	0.439	0.567	0.693	0.789	0.845	0.886	0.919	0.942	0.960	0.972	0.981	0.987	0.993	0.995
2175.0	0.319	0.497	0.613	0.743	0.835	0.890	0.930	0.955	0.972	0.983	0.989	0.993	0.995	0.997	0.998
2200.0	0.409	0.611	0.763	0.828	0.893	0.922	0.944	0.960	0.970	0.981	0.986	0.990	0.993	0.995	0.996
2225.0	0.471	0.686	0.771	0.857	0.916	0.941	0.957	0.969	0.976	0.984	0.988	0.991	0.994	0.996	0.997
2250.0	0.659	0.785	0.855	0.897	0.937	0.957	0.972	0.982	0.987	0.991	0.993	0.995	0.997	0.998	0.998
2275.0	0.715	0.862	0.895	0.929	0.958	0.971	0.982	0.989	0.991	0.995	0.997	0.998	0.999	1.000	1.000
2300.0	0.761	0.875	0.917	0.946	0.969	0.980	0.988	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2325.0	0.804	0.902	0.932	0.959	0.977	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2350.0	0.839	0.909	0.942	0.962	0.978	0.986	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2375.0	0.870	0.929	0.953	0.969	0.981	0.988	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2400.0	0.896	0.946	0.976	0.984	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2425.0	0.892	0.953	0.970	0.982	0.989	0.993	0.995	0.998	0.998	1.000	1.000	1.000	1.000	1.000	1.000
2450.0	0.914	0.952	0.974	0.987	0.992	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2475.0	0.920	0.966	0.981	0.988	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2500.0	0.934	0.975	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2525.0	0.931	0.972	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2550.0	0.909	0.958	0.975	0.985	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2575.0	0.883	0.943	0.965	0.977	0.988	0.991	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2600.0	0.858	0.923	0.951	0.969	0.984	0.991	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2625.0	0.825	0.900	0.931	0.956	0.976	0.985	0.991	0.996	0.998	1.000	1.000	1.000	1.000	1.000	1.000
2650.0	0.807	0.887	0.923	0.948	0.971	0.982	0.989	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000
2675.0	0.661	0.785	0.855	0.922	0.968	0.987	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2700.0	0.509	0.727	0.800	0.889	0.961	0.989	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2725.0	0.577	0.729	0.789	0.850	0.910	0.941	0.986	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2750.0	0.721	0.829	0.881	0.910	0.943	0.961	0.982	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000
2775.0	0.674	0.792	0.853	0.898	0.939	0.960	0.975	0.988	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2800.0	0.610	0.745	0.817	0.872	0.926	0.950	0.969	0.985	0.993	0.996	0.998	0.999	1.000	1.000	1.000
2825.0	0.598	0.736	0.805	0.866	0.923	0.948	0.968	0.984	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2850.0	0.586	0.736	0.811	0.873	0.926	0.953	0.972	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000
2875.0	0.552	0.715	0.797	0.860	0.918	0.943	0.967	0.982	0.989	0.994	0.997	0.998	0.999	1.000	1.000
2900.0	0.445	0.628	0.732	0.813	0.885	0.923	0.949	0.971	0.981	0.988	0.994	0.996	0.998	0.999	1.000
2925.0	0.353	0.547	0.666	0.760	0.845	0.895	0.929	0.957	0.973	0.984	0.991	0.995	0.997	0.999	1.000
2950.0	0.269	0.464	0.595	0.705	0.810	0.866	0.907	0.943	0.964	0.979	0.988	0.993	0.997	0.998	1.000
2975.0	0.247	0.453	0.581	0.691	0.801	0.861	0.903	0.941	0.963	0.978	0.987	0.993	0.996	0.998	1.000
3000.0	0.256	0.462	0.572	0.681	0.791	0.851	0.895	0.935	0.955	0.969	0.981	0.987	0.992	0.996	0.997
3025.0	0.183	0.361	0.462	0.575	0.705	0.779	0.839	0.896	0.926	0.948	0.968	0.978	0.986	0.993	0.996
3050.0	0.112	0.269	0.381	0.525	0.666	0.751	0.818	0.883	0.915	0.943	0.965	0.975	0.985	0.992	0.995
3075.0	0.084	0.250	0.356	0.476	0.618	0.709	0.783	0.857	0.898	0.928	0.955	0.970	0.980	0.989	0.994
3100.0	0.033	0.135	0.289	0.424	0.578	0.674	0.760	0.837	0.882	0.917	0.945	0.963	0.976	0.987	0.992
3125.0	0.044	0.119	0.206	0.317	0.478	0.594	0.694	0.784	0.841	0.890	0.926	0.952	0.970	0.983	0.990
3150.0	0.158	0.319	0.448	0.566	0.699	0.779	0.840	0.898	0.929	0.951	0.971	0.981	0.988	0.994	0.996
3175.0	0.155	0.321	0.455	0.577	0.711	0.790	0.849	0.905	0.935	0.955	0.973	0.983	0.989	0.994	0.996
3200.0	0.144	0.308	0.436	0.558	0.698	0.782	0.844	0.902	0.933	0.954	0.973	0.983	0.989	0.994	0.996
3225.0	0.033	0.135	0.293	0.369	0.551	0.659	0.729	0.802	0.870	0.908	0.945	0.965	0.979	0.989	0.993
3250.0	0.033	0.131	0.263	0.367	0.537	0.647	0.720	0.797	0.867	0.907	0.944	0.965	0.979	0.989	0.993
3275.0	0.023	0.100	0.204	0.338	0.499	0.613	0.709	0.807	0.861	0.902	0.939	0.960	0.976	0.988	0.991
3300.0	0.010	0.070	0.169	0.298	0.475	0.596	0.697	0.800	0.856	0.898	0.937	0.959	0.975	0.987	0.991
3325.0	0.010	0.070	0.218	0.363	0.543	0.661	0.732	0.828	0.888	0.921	0.952	0.967	0.980	0.989	0.993
3350.0	0.011	0.077	0.184	0.324	0.511	0.644	0.723	0.826	0.888	0.921	0.952	0.967	0.980	0.989	0.993
3375.0	0.004	0.047	0.142	0.282	0.481	0.612	0.718	0.821	0.885	0.919	0.947	0.964	0.975	0.986	0.990
3400.0	0.003	0.041	0.126	0.256	0.450	0.584	0.687	0.801	0.862	0.905	0.942	0.961	0.973	0.985	0.990
3425.0	0.003	0.041	0.120	0.241	0.433	0.567	0.670	0.784	0.843	0.893	0.933	0.957	0.971	0.983	0.989
3450.0	0.000	0.007	0.037	0.111	0.270	0.409	0.542	0.668	0.775	0.838	0.899	0.931	0.953	0.973	0.983
3475.0	0.000	0.007	0.037	0.111	0.270	0.409	0.542	0.668	0.775	0.838	0.899	0.931	0.953	0.973	0.983
3500.0	0.000	0.003	0.022	0.108	0.224	0.364	0.544	0.659	0.751	0.840	0.887	0.922	0.953	0.970	0.980
3525.0	0.000	0.000	0.002	0.017	0.086	0.186	0.315	0.495	0.616	0.717	0.817	0.870	0.909	0.945	0.965
3550.0	0.000	0.000	0.000	0.001	0.015	0.051	0.130	0.285	0.419	0.547	0.690	0.753	0.837	0.897	0.928
3575.0	0.000	0.000	0.000	0.001	0.015	0.051	0.130	0.285	0.419	0.547	0.690	0.753	0.837	0.897	0.928
3600.0	0.000	0.000	0.000	0.000	0.007	0.027	0.109	0.231	0.396	0.529	0.678	0.765	0.852	0.896	0.925
3625.0	0.000	0.000	0.000	0.000	0.002	0.013	0.052	0.161	0.279	0.411	0.576	0.681	0.766	0.848	0.893
3650.0	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.029	0.129	0.253	0.381	0.534	0.643	0.753	0.833
3675.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.020	0.127	0.280	0.352	0.526	0.643	0.737
3700.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.079	0.221	0.311	0.452	0.572	0.662
3725.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.062	0.196	0.291	0.419	0.538	0.626
3750.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.049	0.178	0.274	0.389	0.506	0.592
3775.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.039	0.162	0.258	0.361	0.475	0.559
3800.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.031	0.147	0.243	0.335	0.445	0.527
3825.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.025	0.134	0.228	0.310	0.416	0.496
3850.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.122	0.214	0.287	0.388	0.466
3875.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.111	0.200	0.265	0.361	0.436
3900.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.101	0.187	0.244	0.334	0.406
3925.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.092	0.174	0.224	0.308	0.376
3950.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.083	0.162	0.205	0.283	0.346
3975.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.075	0.150	0.187	0.258	0.316
4000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.068	0.139	0.170	0.234	0.286
4025.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.061	0.128	0.154	0.211	0.257
4050.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.055	0.117	0.139	0.190	0.231
4075.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.049	0.107	0.125	0.171	0.207
4100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.044	0.098	0.113	0.154	0.186
4125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.040	0.089	0.102	0.139	0.168

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
UNIT=CM.)															
4150.0	0.536	0.771	0.873	0.937	0.977	0.989	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4175.0	0.606	0.820	0.906	0.957	0.987	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4200.0	0.654	0.849	0.926	0.967	0.990	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4225.0	0.696	0.870	0.938	0.974	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4250.0	0.729	0.887	0.949	0.980	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4275.0	0.758	0.902	0.957	0.986	0.995	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4300.0	0.785	0.915	0.963	0.987	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4325.0	0.806	0.925	0.968	0.989	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4350.0	0.823	0.932	0.972	0.990	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4375.0	0.823	0.927	0.967	0.985	0.994	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4400.0	0.811	0.917	0.958	0.977	0.989	0.994	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4425.0	0.782	0.898	0.947	0.971	0.986	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4450.0	0.762	0.884	0.937	0.965	0.981	0.990	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
4475.0	0.676	0.826	0.910	0.945	0.971	0.984	0.992	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000
4500.0	0.581	0.760	0.870	0.920	0.958	0.976	0.988	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
4525.0	0.536	0.692	0.785	0.847	0.907	0.935	0.955	0.972	0.981	0.988	0.993	0.996	0.998	0.999	0.999
4550.0	0.522	0.696	0.788	0.851	0.908	0.935	0.955	0.972	0.981	0.988	0.993	0.996	0.997	0.999	0.999
4575.0	0.527	0.707	0.805	0.870	0.919	0.943	0.961	0.976	0.984	0.989	0.993	0.996	0.997	0.999	0.999
4600.0	0.560	0.737	0.792	0.850	0.904	0.932	0.952	0.970	0.979	0.986	0.993	0.996	0.998	0.999	0.999
4625.0	0.601	0.759	0.858	0.740	0.824	0.872	0.908	0.942	0.960	0.974	0.986	0.992	0.995	0.998	0.999
4650.0	0.520	0.562	0.654	0.752	0.819	0.866	0.897	0.928	0.947	0.963	0.978	0.986	0.991	0.996	0.998
4675.0	0.547	0.617	0.758	0.823	0.878	0.911	0.936	0.955	0.967	0.978	0.987	0.992	0.995	0.997	0.998
4700.0	0.632	0.758	0.823	0.876	0.917	0.939	0.956	0.973	0.981	0.988	0.993	0.996	0.997	0.999	0.999
4725.0	0.696	0.810	0.858	0.903	0.936	0.954	0.968	0.980	0.987	0.992	0.995	0.997	0.998	0.999	1.000
4750.0	0.558	0.705	0.774	0.840	0.894	0.929	0.954	0.973	0.982	0.990	0.994	0.997	0.998	0.999	1.000
4775.0	0.577	0.715	0.781	0.847	0.900	0.934	0.958	0.976	0.985	0.992	0.996	0.998	0.999	1.000	1.000
4800.0	0.538	0.696	0.781	0.854	0.907	0.940	0.962	0.977	0.986	0.992	0.996	0.998	0.999	1.000	1.000
4825.0	0.561	0.687	0.773	0.840	0.898	0.933	0.958	0.977	0.986	0.993	0.996	0.998	0.999	1.000	1.000
4850.0	0.552	0.688	0.770	0.838	0.896	0.932	0.958	0.977	0.986	0.993	0.996	0.998	0.999	1.000	1.000
4875.0	0.576	0.725	0.805	0.863	0.915	0.947	0.967	0.980	0.988	0.993	0.997	0.998	0.999	1.000	1.000
4900.0	0.515	0.677	0.786	0.856	0.897	0.929	0.955	0.972	0.982	0.988	0.993	0.996	0.998	0.999	0.999
4925.0	0.471	0.647	0.745	0.819	0.867	0.902	0.931	0.949	0.969	0.981	0.989	0.994	0.997	0.998	0.999
4950.0	0.469	0.645	0.742	0.815	0.862	0.897	0.927	0.947	0.967	0.980

WATER VAPOR AT 0.05 ATMOSPHERE PRESSURE

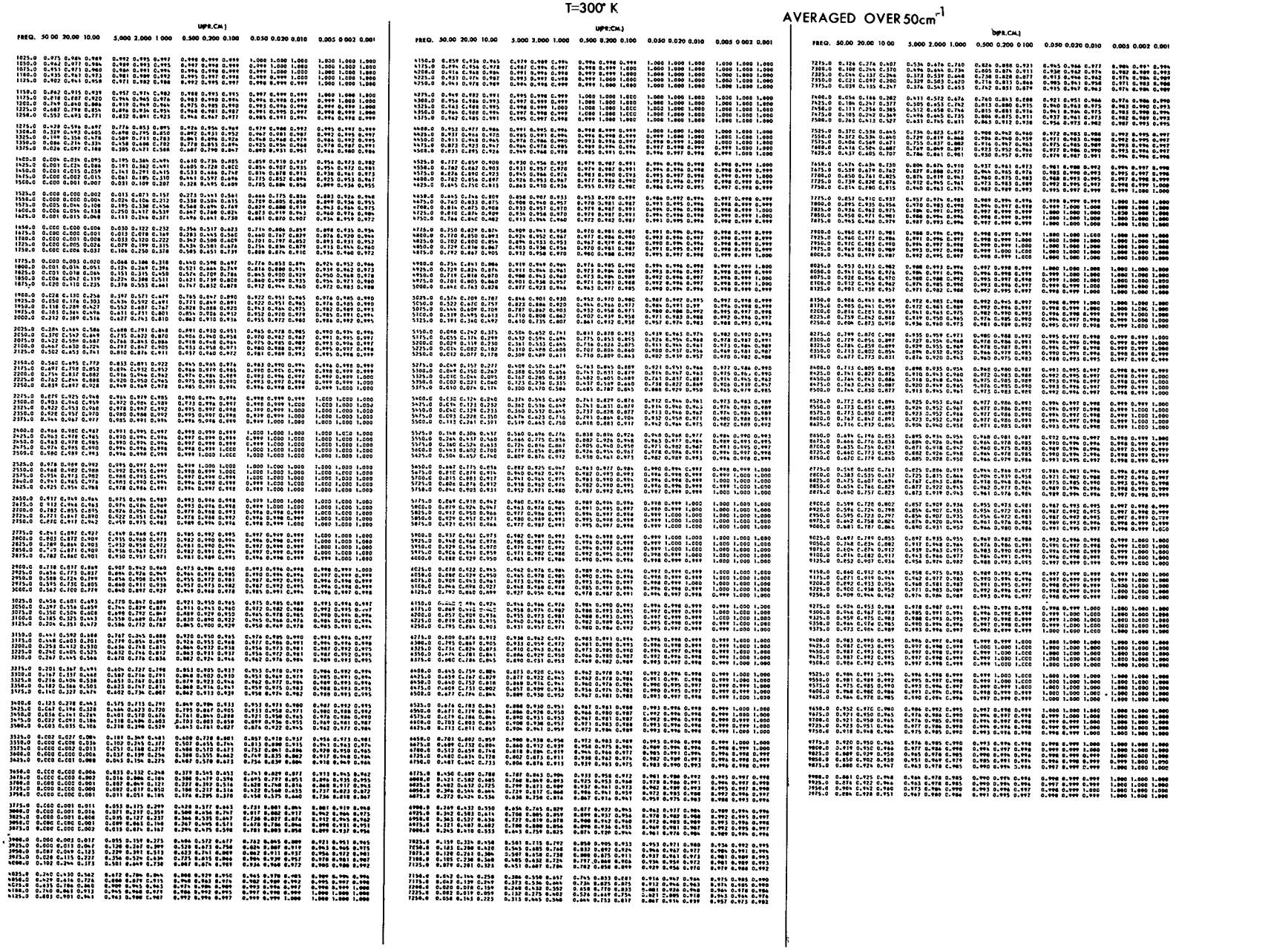
T=300° K

AVERAGED OVER 50cm^{-1}

WATER VAPOR AT 0.02 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER 50cm^{-1}



WATER VAPOR AT 0.01 ATMOSPHERE PRESSURE

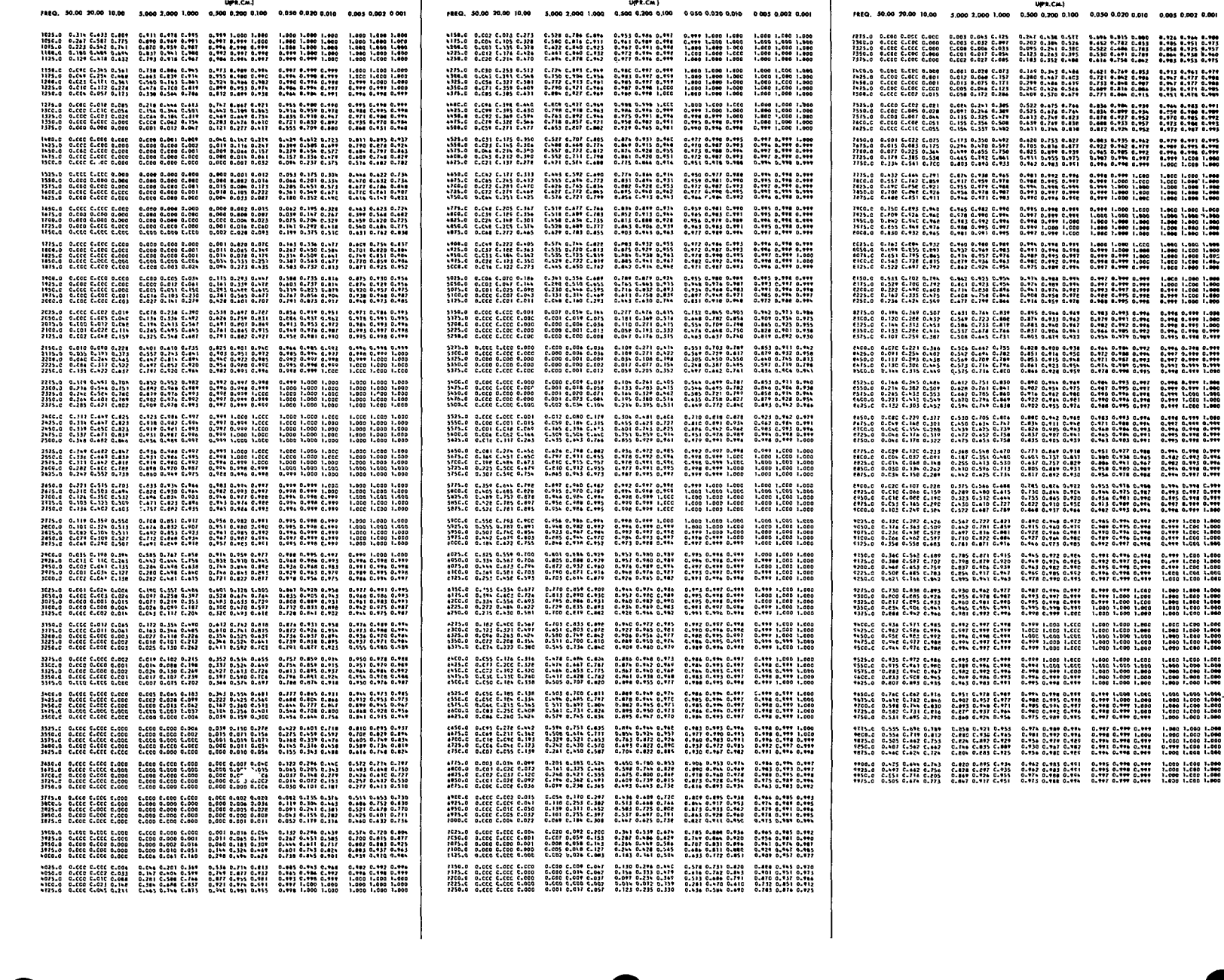
T=300° K

AVERAGED OVER 50cm^{-1}

WATER VAPOR 1.00 ATMOSPHERE PRESSURE

T=250°K

AVERAGED OVER 50cm^{-1}

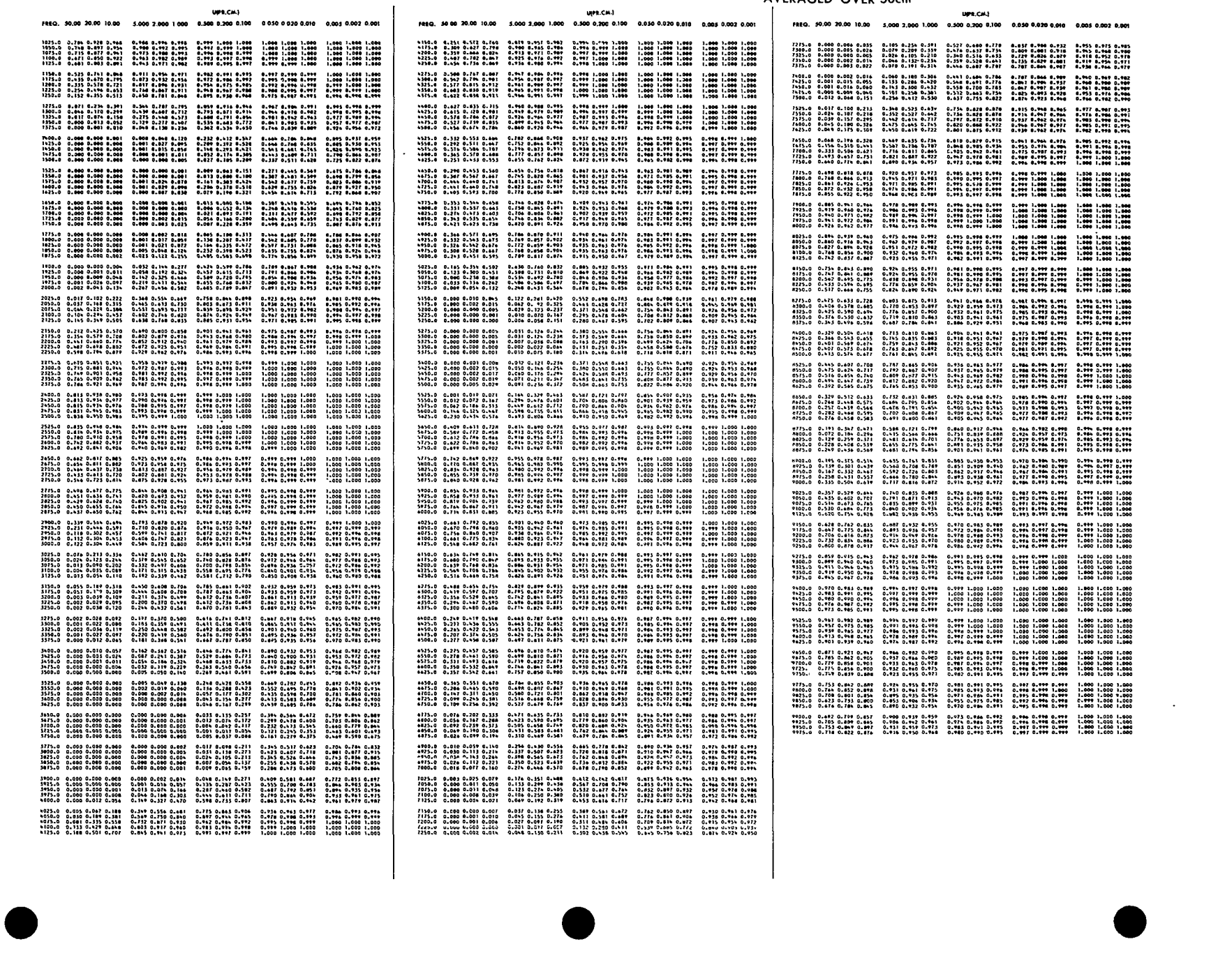


WATER VAPOR 0.50 ATMOSPHERE PRESSURE

=250° K

AVERAGED OVER 50cm^{-1}

WATER VAPOR AT 0.20 ATMOSPHERE PRESSURE
T=250° K
AVERAGED OVER 50cm $^{-1}$



WATER VAPOR AT 0.10 ATMOSPHERE PRESSURE
T=250° K
AVERAGED OVER 50 cm^{-1}

WATER VAPOR 0.05 ATMOSPHERE PRESSURE

T=250° K

AVERAGED OVER 50cm^{-1}

U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1025.0	0.950	0.984	0.991	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1050.0	0.932	0.975	0.985	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1075.0	0.919	0.968	0.981	0.987	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1100.0	0.898	0.958	0.974	0.983	0.990	0.993	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
1125.0	0.859	0.934	0.959	0.972	0.984	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
1150.0	0.809	0.901	0.936	0.957	0.974	0.982	0.988	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000
1175.0	0.753	0.863	0.911	0.939	0.962	0.974	0.983	0.991	0.994	0.996	0.998	0.999	1.000	1.000	1.000
1200.0	0.667	0.806	0.871	0.911	0.944	0.961	0.974	0.984	0.990	0.994	0.997	0.998	0.999	1.000	1.000
1225.0	0.591	0.753	0.833	0.885	0.928	0.950	0.966	0.980	0.987	0.992	0.995	0.998	0.999	1.000	1.000
1250.0	0.448	0.631	0.735	0.810	0.878	0.914	0.940	0.964	0.976	0.984	0.991	0.995	0.997	0.999	0.999
1275.0	0.326	0.525	0.649	0.746	0.835	0.885	0.918	0.951	0.967	0.978	0.988	0.993	0.996	0.998	0.999
1300.0	0.246	0.423	0.549	0.658	0.768	0.830	0.878	0.924	0.948	0.965	0.980	0.988	0.992	0.996	0.998
1325.0	0.125	0.267	0.394	0.518	0.658	0.742	0.810	0.877	0.916	0.943	0.965	0.977	0.985	0.992	0.995
1350.0	0.035	0.126	0.232	0.356	0.520	0.629	0.720	0.814	0.867	0.907	0.944	0.962	0.975	0.985	0.991
1375.0	0.006	0.039	0.101	0.195	0.353	0.479	0.595	0.723	0.797	0.855	0.909	0.937	0.957	0.974	0.983
1400.0	0.000	0.008	0.033	0.090	0.224	0.355	0.486	0.639	0.732	0.806	0.877	0.914	0.941	0.965	0.976
1425.0	0.000	0.001	0.015	0.044	0.203	0.335	0.468	0.622	0.718	0.793	0.868	0.907	0.935	0.961	0.973
1450.0	0.000	0.001	0.008	0.040	0.136	0.246	0.369	0.529	0.635	0.724	0.815	0.866	0.905	0.940	0.958
1475.0	0.000	0.000	0.000	0.006	0.050	0.133	0.252	0.429	0.556	0.663	0.775	0.838	0.884	0.927	0.949
1500.0	0.000	0.000	0.000	0.003	0.026	0.077	0.165	0.323	0.452	0.573	0.707	0.785	0.845	0.901	0.931
1525.0	0.000	0.000	0.000	0.000	0.009	0.042	0.113	0.258	0.387	0.515	0.656	0.746	0.815	0.881	0.916
1550.0	0.000	0.000	0.000	0.000	0.013	0.055	0.139	0.297	0.426	0.548	0.685	0.766	0.829	0.890	0.922
1575.0	0.000	0.001	0.014	0.056	0.158	0.260	0.377	0.531	0.635	0.722	0.812	0.863	0.901	0.937	0.956
1600.0	0.000	0.003	0.016	0.069	0.207	0.320	0.459	0.615	0.713	0.790	0.855	0.905	0.933	0.959	0.972
1625.0	0.000	0.000	0.004	0.020	0.078	0.160	0.276	0.443	0.564	0.669	0.778	0.839	0.885	0.928	0.950
1650.0	0.000	0.000	0.000	0.001	0.013	0.036	0.162	0.301	0.429	0.548	0.682	0.763	0.826	0.887	0.920
1675.0	0.000	0.000	0.000	0.000	0.006	0.034	0.101	0.241	0.365	0.488	0.631	0.723	0.795	0.866	0.904
1700.0	0.000	0.000	0.000	0.002	0.021	0.068	0.153	0.306	0.428	0.545	0.679	0.760	0.824	0.884	0.918
1725.0	0.000	0.000	0.001	0.008	0.055	0.132	0.238	0.398	0.516	0.621	0.736	0.806	0.856	0.907	0.935
1750.0	0.000	0.000	0.001	0.014	0.085	0.185	0.310	0.483	0.601	0.699	0.800	0.855	0.896	0.934	0.954
1775.0	0.000	0.000	0.001	0.010	0.064	0.150	0.267	0.439	0.563	0.668	0.778	0.839	0.884	0.927	0.949
1800.0	0.000	0.001	0.010	0.041	0.136	0.244	0.370	0.535	0.645	0.735	0.825	0.874	0.911	0.944	0.961
1825.0	0.000	0.001	0.012	0.050	0.162	0.286	0.423	0.589	0.693	0.775	0.854	0.896	0.927	0.955	0.969
1850.0	0.000	0.005	0.032	0.095	0.230	0.354	0.479	0.627	0.719	0.792	0.864	0.903	0.932	0.958	0.971
1875.0	0.001	0.022	0.088	0.207	0.402	0.538	0.651	0.765	0.828	0.875	0.920	0.944	0.961	0.976	0.984
1900.0	0.002	0.032	0.107	0.229	0.423	0.554	0.667	0.781	0.842	0.888	0.929	0.950	0.966	0.979	0.986
1925.0	0.005	0.057	0.151	0.277	0.453	0.574	0.677	0.783	0.843	0.887	0.928	0.949	0.965	0.978	0.985
1950.0	0.029	0.137	0.276	0.417	0.583	0.685	0.766	0.845	0.890	0.920	0.950	0.965	0.976	0.985	0.990
1975.0	0.067	0.215	0.359	0.497	0.649	0.737	0.807	0.875	0.909	0.935	0.959	0.972	0.980	0.988	0.992
2000.0	0.097	0.262	0.405	0.536	0.678	0.760	0.824	0.885	0.918	0.942	0.963	0.974	0.982	0.989	0.993
2025.0	0.176	0.362	0.504	0.626	0.749	0.817	0.868	0.916	0.943	0.959	0.974	0.983	0.988	0.993	0.996
2050.0	0.261	0.458	0.588	0.697	0.793	0.849	0.892	0.931	0.952	0.966	0.979	0.986	0.990	0.995	0.997
2075.0	0.331	0.529	0.649	0.741	0.828	0.876	0.912	0.944	0.961	0.973	0.984	0.989	0.993	0.996	0.998
2100.0	0.398	0.593	0.703	0.785	0.861	0.902	0.931	0.958	0.971	0.980	0.989	0.993	0.996	0.998	0.999
2125.0	0.448	0.627	0.728	0.803	0.871	0.908	0.936	0.961	0.973	0.982	0.990	0.994	0.996	0.998	0.999
2150.0	0.519	0.680	0.767	0.829	0.889	0.921	0.945	0.966	0.977	0.985	0.991	0.995	0.997	0.999	0.999
2175.0	0.663	0.794	0.855	0.896	0.934	0.954	0.968	0.981	0.987	0.992	0.996	0.998	0.999	0.999	1.000
2200.0	0.731	0.842	0.890	0.922	0.951	0.966	0.977	0.987	0.991	0.995	0.997	0.999	0.999	1.000	1.000
2225.0	0.759	0.860	0.903	0.931	0.957	0.971	0.981	0.989	0.993	0.996	0.998	0.999	1.000	1.000	1.000
2250.0	0.841	0.912	0.945	0.962	0.977	0.985	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2275.0	0.885	0.946	0.966	0.977	0.987	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2300.0	0.910	0.961	0.976	0.984	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2325.0	0.930	0.971	0.983	0.989	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2350.0	0.938	0.975	0.985	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2375.0	0.950	0.983	0.989	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2400.0	0.965	0.989	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2425.0	0.963	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2450.0	0.964	0.986	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2475.0	0.972	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2500.0	0.975	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2525.0	0.972	0.990	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2550.0	0.957	0.981	0.989	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2575.0	0.935	0.967	0.979	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2600.0	0.910	0.951	0.967	0.979	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2625.0	0.876	0.927	0.950	0.967	0.980	0.987	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2650.0	0.852	0.914	0.940	0.959	0.975	0.984	0.990	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000
2675.0	0.852	0.912	0.939	0.958	0.975	0.983	0.989	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2700.0	0.685	0.787	0.844	0.888	0.930	0.953	0.969	0.983	0.990	0.995	0.998	0.999	1.000	1.000	1.000
2725.0	0.664	0.774	0.835	0.882	0.926	0.950	0.967	0.983	0.990	0.994	0.998	0.999	1.000	1.000	1.000
2750.0	0.774	0.852	0.900	0.930	0.957	0.971	0.981	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2775.0	0.731	0.827	0.876	0.913	0.946	0.963	0.976	0.987	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2800.0	0.690	0.797	0.854	0.897	0.936	0.957	0.972	0.985	0.991	0.995	0.998	0.999	1.000	1.000	1.000
2825.0	0.684	0.797	0.856	0.899	0.937	0.960	0.974	0.987	0.993	0.996	0.999	0.999	1.000	1.000	1.000
2850.0	0.711	0.820	0.874	0.913	0.948	0.966	0.978	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2875.0	0.705	0.818	0.874	0.913	0.948	0.966	0.978	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000
2900.0	0.633	0.768	0.837	0.886	0.931	0.953	0.969	0.982	0.989	0.993	0.996	0.998	0.999	1.000	1.000
2925.0	0.532	0.692	0.779	0.842	0.901	0.932	0.955	0.972	0.981	0.987	0.993	0.995	0.997	0.999	0.999
2950.0	0.398	0.584	0.694	0.779	0.859	0.901	0.931	0.958	0.971	0.980	0.988	0.992	0.995	0.997	0.998
2975.0	0.402	0.591	0.701	0.785	0.864	0.904	0.933	0.959	0.972	0.980	0.988	0.992	0.994	0.997	0.998
3000.0	0.391	0.569	0.674	0.764	0.847	0.892	0.923	0.952	0.967	0.977	0.986	0.990	0.993	0.996	0.998
3025.0	0.288	0.452	0.566	0.665	0.771	0.831	0.878	0.922	0.944	0.961	0.976	0.983	0.989	0.994	0.996
3050.0	0.194	0.373	0.500	0.612	0.733	0.802	0.856	0.907	0.934	0.953	0.971	0.980	0.986	0.992	0.995
3075.0	0.157	0.322	0.447	0.560	0.698	0.765	0.827	0.887	0.920	0.943	0.965	0.976	0.983	0.990	0.994
3100.0	0.064	0.165	0.268	0.386	0.544	0.649	0.736	0.827	0.876	0.912	0.945	0.962	0.974	0.985	0.991
3125.0	0.058	0.188	0.294	0.414	0.570	0.672	0.756	0.840	0.885	0.918	0.949	0.965	0.976	0.986	0.991
3150.0	0.269	0.438	0.557	0.660	0.769	0.831	0.879	0.923	0.946	0.963	0.977	0.984	0.990	0.994	0.996
3175.0	0.258	0.432	0.556	0.662	0.772	0.834	0.881	0.925	0.948	0.965	0.978	0.985	0.990	0.994	0.996
3200.0	0.081	0.208	0.328	0.451	0.602	0.698	0.775	0.852	0.894	0.925	0.953	0.967	0.977	0.986	0.991
3225.0	0.068	0.198	0.323	0.451	0.603	0.700	0.777	0.853	0.895	0.925	0.953	0.967	0.977	0.987	0.991
3250.0	0.086	0.240	0.380	0.513	0.660	0.748	0.815	0.880	0.915	0.940	0.963	0.974	0.982	0.990	0.993
3275.0	0.064	0.193	0.320	0.450	0.605	0.702	0.779	0.855	0.896	0.927	0.954	0.969	0.979	0.988	0.992
3300.0	0.054	0.178	0.307	0.441	0.600	0.699	0.778	0.854	0.896	0.926	0.954	0.968	0.979	0.988	0.992
3325.0	0.084	0.244	0.392	0.531	0.683	0.766	0.831	0.892	0.924	0.947	0.967	0.978	0.985	0.991	0.995
3350.0	0.066	0.214	0.367	0.505	0.662	0.755	0.822	0.887	0.920	0.944	0.965	0.976	0.984	0.990	0.994
3375.0	0.040	0.175	0.325	0.480	0.650	0.746	0.819	0.886	0.920	0.944	0.966	0.976	0.984	0.990	0.994
3400.0	0.035	0.158	0.301	0.455	0.629	0.729	0.806	0.877	0.914	0.940	0.964	0.975	0.983	0.990	0.993
3425.0	0.014	0.084	0.192	0.330	0.514	0.633	0.730	0.824	0.875	0.912	0.946	0.963	0.976	0.986	0.990
3450.0	0.005	0.052	0.142	0.269	0.454	0.581	0.687	0.794	0.852	0.895	0.935	0.955	0.969	0.982	0.988
3475.0	0.003	0.030	0.088	0.183	0.351	0.485	0.605	0.734	0.807	0.862	0.915	0.939	0.958	0.975	0.983
3500.0	0.000	0.006	0.030	0.100	0.258	0.400	0.534	0.682	0.768	0.833	0.896	0.926	0.949	0.969	0.979
3525.0	0.000	0.005	0.030	0.094	0.236	0.367	0.499	0.650	0.741	0.811	0.879	0.915	0.940	0.963	0.975
3550.0	0.000	0.002	0.012	0.042	0.130	0.236	0.363	0.533	0.645	0.737	0.829	0.878	0.914	0.946	0.963
3575.0	0.000	0.000	0.001	0.008	0.054	0.134	0.246	0.416	0.540	0.650	0.765	0.830	0.879	0.923	0.946
3600.0	0.000	0.000	0.000	0.004	0.041	0.115	0.224	0.395	0.522	0.635	0.755	0.823	0.874	0.921	0.945
3625.0	0.000	0.000	0.000	0.004	0.044	0.126	0.245	0.423	0.548	0.655	0.767	0.830	0.878	0.923	0.946
3650.0	0.000	0.000	0.000	0.003	0.032	0.099	0.207	0.379	0.506	0.618	0.739	0.808	0.862	0.913	0.939
3675.0	0.000	0.000	0.000	0.000	0.011	0.049	0.129	0.286	0.414	0.538	0.679	0.763	0.828	0.891	0.923
3700.0	0.000	0.000	0.000	0.000	0.004	0.025	0.081	0.215	0.344	0.475	0.630	0.726	0.802	0.874	0.912
3725.0	0.000	0.000	0.000	0.000	0.001	0.009	0.036	0.112	0.197	0.296	0.437	0.542	0.638	0.748	0.813
3750.0	0.000	0.000	0.000	0.000	0.005	0.025	0.066	0.154	0.239	0.330	0.452	0.542	0.630	0.735	0.799
3775.0	0.000	0.000	0.000	0.001	0.017	0.069	0.166	0.334	0.464	0.576	0.690	0.754	0.807	0.866	0.897
3800.0	0.000	0.000	0.000	0.002	0.030	0.101	0.219	0.411	0.550	0.667	0.784	0.847	0.893	0.934	0.956
3825.0	0.000	0.000	0.000	0.002	0.023	0.076	0.170	0.335	0.467	0.595	0.726	0.802	0.859	0.912	0.938
3850.0	0.000	0.000	0.000	0.000	0.006	0.036	0.102	0.247	0.381	0.515	0.667	0.757	0.825	0.889	0.922
3875.0	0.000	0.000	0.000	0.000	0.009	0.043	0.120	0.279	0.416	0.547	0.690	0.774	0.837	0.897	0.927
3900.0	0.000	0.000	0.001	0.008	0.046	0.116	0.222	0.378	0.520	0.642	0.759	0.825	0.875	0.921	0.944
3925.0	0.000	0.001	0.009	0.039	0.130	0.238	0.368	0.541	0.655	0.746	0.855	0.885	0.917	0.948	0.964
3950.0	0.001	0.013	0.051	0.128	0.278	0.406	0.531	0.673	0.758	0.823	0.886	0.919	0.943	0.964	0.975
3975.0	0.004	0.044	0.126	0.249	0.432	0.560	0.669	0.779	0.839	0.884	0.926	0.948	0.963	0.978	0.985
4000.0	0.035	0.143	0.272	0.414	0.586	0.693	0.776	0.855	0.896	0.926	0.953	0.967	0.978	0.987	0.992
4025.0	0.137	0.337	0.496	0.631	0.765	0.836	0.885	0.928	0.949	0.964	0.978	0.985	0.991	0.995	0.997
4050.0	0.306	0.554	0.700	0.803	0.880	0.926	0.950	0.970	0.979	0.986	0.992	0.995	0.997	0.999	0.999
4075.0	0.477	0.718	0.831	0.903	0.953	0.972	0.983	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000
4100.0	0.560	0.784	0.877	0.933	0.971	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
4125.0	0.629	0.823	0.902	0.948	0.980	0.990	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000

U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
4150.0	0.690	0.880	0.927	0.964	0.988	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4175.0	0.736	0.886	0.943	0.973	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4200.0	0.742	0.901	0.955	0.977	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4225.0	0.790	0.914	0.959	0.981	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4250.0	0.822	0.926	0.967	0.986	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4275.0	0.844	0.940	0.974	0.991	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4300.0	0.868	0.950	0.980	0.994	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4325.0	0.885	0.958	0.984	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4350.0	0.893	0.962	0.985	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4375.0	0.895	0.962	0.984	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4400.0	0.849	0.956	0.979	0.990	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4425.0	0.873	0.944	0.970	0.982	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
4450.0	0.841	0.923	0.953	0.970	0.983	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
4475.0	0.800	0.892	0.931	0.954	0.973	0.981	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000
4500.0	0.743	0.851	0.901	0.932	0.959	0.971	0.980	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000
4525.0	0.636	0.774	0.843	0.890	0.931	0.952	0.966	0.979	0.986	0.991	0.994	0.997	0.998	0.999	1.000
4550.0	0.599	0.745	0.821	0.873	0.920	0.944	0.961	0.975	0.983	0.989	0.993	0.996	0.997	0.999	0.999
4575.0	0.665	0.790	0.853	0.896	0.934	0.954	0.967	0.980	0.986	0.990	0.994	0.996	0.998	0.999	0.999
4600.0	0.641	0.766	0.831	0.878	0.922	0.945	0.961	0.976	0.983	0.988	0.993	0.996	0.997	0.999	0.999
4625.0	0.499	0.639	0.725	0.793	0.862	0.900	0.928	0.955	0.968	0.978	0.988	0.992	0.995	0.998	0.999
4650.0	0.514	0.642	0.721	0.788	0.857	0.895	0.925	0.952	0.967	0.977	0.987	0.992	0.995	0.998	0.999
4675.0	0.626	0.734	0.795	0.844	0.894	0.922	0.944	0.964	0.975	0.983	0.990	0.994	0.996	0.998	0.999
4700.0	0.700	0.802	0.852	0.890	0.926	0.946	0.961	0.976	0.983	0.988	0.993	0.996	0.997	0.999	0.999
4725.0	0.705	0.812	0.866	0.902	0.937	0.955	0.968	0.980	0.986	0.991	0.995	0.997	0.998	0.999	1.000
4750.0	0.658	0.768	0.826	0.871	0.914	0.938	0.955	0.972	0.980	0.986	0.992	0.995	0.997	0.999	0.999
4775.0	0.616	0.739	0.805	0.855	0.904	0.930	0.950	0.968	0.978	0.985	0.991	0.994	0.996	0.998	0.999
4800.0	0.613	0.746	0.818	0.870	0.917	0.942	0.959	0.975	0.982	0.988	0.993	0.995	0.997	0.999	0.999
4825.0	0.551	0.693	0.773	0.835	0.893	0.924	0.946	0.967	0.977	0.984	0.991	0.994	0.996	0.998	0.999
4850.0	0.607	0.732	0.803	0.856	0.907	0.934	0.954	0.972	0.980	0.987	0.992	0.995	0.997	0.998	0.999
4875.0	0.692	0.803	0.860	0.901	0.939	0.958	0.971	0.983	0.988	0.992	0.996	0.997	0.998	0.999	0.999
4900.0	0.646	0.770	0.835	0.884	0.927	0.950	0.966	0.980	0.986	0.991	0.995	0.996	0.998	0.999	0.999
4925.0	0.619	0.754	0.824	0.876	0.922	0.946	0.963	0.978	0.985	0.990	0.994	0.996	0.998	0.999	0.999
4950.0	0.617	0.754	0.825	0.877	0.923	0.947	0.963	0.978	0.985	0.991	0.995	0.997	0.998	0.999	1.000
4975.0	0.605	0.746	0.819	0.873	0.922	0.946	0.963	0.978	0.986	0.991	0.995	0.997	0.998	0.999	1.000
5000.0	0.534	0.689	0.774	0.838	0.897	0.929	0.951	0.971	0.981	0.987	0.993	0.995	0.997	0.999	0.999
5025.0	0.440	0.611	0.712	0.790	0.865	0.905	0.934	0.961	0.974	0.983	0.990	0.994	0.996	0.998	0.999
5050.0	0.387	0.569	0.679	0.765	0.849	0.893	0.926	0.955	0.970	0.980	0.989	0.993	0.995	0.998	0.999
5075.0	0.322	0.512	0.634	0.731	0.825	0.876	0.913	0.947	0.964	0.976	0.986	0.991	0.994	0.997	0.998
5100.0	0.206	0.386	0.521	0.637	0.759	0.826	0.877	0.924	0.948	0.965	0.979	0.986	0.991	0.995	0.997
5125.0	0.096	0.236	0.368	0.501	0.653	0.745	0.815	0.885	0.919	0.944	0.967	0.978	0.986	0.992	0.995
5150.0	0.028	0.118	0.227	0.359	0.531	0.644	0.736	0.828	0.878	0.914	0.947	0.964	0.976	0.986	0.992
5175.0	0.008	0.059	0.147	0.268	0.445	0.571	0.677	0.786	0.846	0.891	0.932	0.953	0.968	0.981	0.988
5200.0	0.002	0.028	0.089	0.189	0.358	0.491	0.610	0.737	0.809	0.863	0.914	0.940	0.959	0.975	0.983
5225.0	0.000	0.010	0.047	0.126	0.285	0.421	0.550	0.692	0.774	0.837	0.897	0.928	0.950	0.969	0.979
5250.0	0.000	0.006	0.037	0.112	0.270	0.401	0.539	0.665	0.771	0.835	0.895	0.927	0.949	0.969	0.979
5275.0	0.002	0.029	0.091	0.195	0.366	0.498	0.615	0.741	0.812	0.865	0.915	0.941	0.959	0.975	0.983
5300.0	0.002	0.029	0.090	0.189	0.357	0.488	0.607	0.734	0.808	0.864	0.915	0.942	0.961	0.977	0.985
5325.0	0.000	0.007	0.026	0.065	0.154	0.244	0.345	0.478	0.573	0.660	0.759	0.819	0.867	0.914	0.939
5350.0	0.000	0.002	0.013	0.046	0.127	0.211	0.307	0.443	0.542	0.634	0.740	0.804	0.855	0.905	0.933
5375.0	0.000	0.010	0.049	0.137	0.305	0.440	0.565	0.700	0.779	0.841	0.899	0.929	0.951	0.970	0.980
5400.0	0.006	0.031	0.089	0.190	0.362	0.496	0.615	0.741	0.812	0.865	0.915	0.940	0.959	0.975	0.983
5425.0	0.009	0.048	0.115	0.209	0.370	0.497	0.614	0.740	0.811	0.865	0.915	0.941	0.959	0.975	0.983
5450.0	0.009	0.058	0.136	0.244	0.410	0.534	0.645	0.761	0.827	0.877	0.922	0.946	0.962	0.977	0.984
5475.0	0.010	0.068	0.164	0.290	0.466	0.587	0.689	0.794	0.852	0.895	0.934	0.954	0.968	0.980	0.986
5500.0	0.017	0.087	0.187	0.315	0.493	0.614	0.713	0.812	0.866	0.905	0.940	0.958	0.971	0.982	0.987
5525.0	0.047	0.158	0.276	0.407	0.574	0.680	0.765	0.847	0.891	0.923	0.951	0.966	0.976	0.985	0.990
5550.0	0.126	0.282	0.418	0.547	0.691	0.773	0.836	0.895	0.926	0.947	0.967	0.977	0.984	0.991	0.994
5575.0	0.259	0.433	0.559	0.668	0.779	0.840	0.885	0.927	0.948	0.964	0.978	0.985	0.990	0.995	0.997
5600.0	0.404	0.579	0.688	0.775	0.853	0.895	0.926	0.954	0.968	0.979	0.988	0.992	0.995	0.998	0.999
5625.0	0.515	0.672	0.763	0.829	0.871	0.924	0.947	0.969	0.980	0.987	0.993	0.996	0.998	0.999	1.000
5650.0	0.675	0.795	0.857	0.900	0.938	0.957	0.972	0.984	0.990	0.994	0.997	0.999	0.999	1.000	1.000
5675.0	0.814	0.894	0.930	0.954	0.973	0.982	0.989	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
5700.0	0.821	0.898	0.932	0.955	0.973	0.983	0.989	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
5725.0	0.820	0.895	0.928	0.952	0.972	0.981	0.988	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000
5750.0	0.865	0.923	0.949	0.966	0.980	0.987	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
5775.0	0.889	0.938	0.960	0.973	0.985	0.991	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
5800.0	0.902	0.946	0.965	0.977	0.988	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5825.0	0.937	0.968	0.980	0.988	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5850.0	0.946	0.972	0.983	0.990	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5875.0	0.936	0.965	0.978	0.986	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5900.0	0.942	0.969	0.980	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5925.0	0.944	0.969	0.980	0.987	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5950.0	0.921	0.954	0.968	0.978	0.987	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
5975.0	0.888	0.932	0.953	0.968	0.980	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
6000.0	0.856	0.912	0.939	0.957	0.974	0.983	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
6025.0	0.823	0.890	0.923	0.946	0.967	0.977	0.985	0.991	0.994	0.996	0.998	0.999	1.000	1.000	1.000
6050.0	0.829	0.894	0.926	0.948	0.969	0.978	0.985	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
6075.0	0.878	0.927	0.950	0.966	0.980	0.986	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
6100.0	0.798	0.868	0.902	0.930	0.956	0.969	0.979	0.987	0.992	0.995	0.998	0.999	0.999	1.000	1.000
6125.0	0.722	0.810	0.860	0.898	0.935	0.955	0.969	0.982	0.988	0.993	0.997	0.998	0.999	1.000	1.000
6150.0	0.782	0.853	0.893	0.923	0.951	0.966	0.977	0.986	0.991	0.995	0.997	0.999	0.999	1.000	1.000
6175.0	0.816	0.880	0.914	0.939	0.962	0.974	0.982	0.990	0.993	0.996	0.998	0.999	1.000	1.000	1.000
6200.0	0.796	0.870	0.908	0.936	0.960	0.973	0.982	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000
6225.0	0.740	0.827	0.875	0.911	0.944	0.961	0.973	0.984	0.990	0.994	0.997	0.998	0.999	1.000	1.000
6250.0	0.706	0.803	0.857	0.898	0.937	0.957	0.971	0.983	0.989	0.993	0.997	0.998	0.999	1.000	1.000
6275.0	0.701	0.804	0.860	0.902	0.941	0.960	0.974	0.986	0.991	0.995	0.997	0.999	0.999	1.000	1.000
6300.0	0.654	0.771	0.835	0.883	0.928	0.952	0.968	0.983	0.989	0.994	0.997	0.998	0.999	1.000	1.000
6325.0	0.591	0.719	0.794	0.851	0.906	0.936	0.957	0.976	0.985	0.991	0.996	0.998	0.999	1.000	1.000
6350.0	0.531	0.672	0.756	0.823	0.888	0.922	0.947	0.970	0.982	0.989	0.995	0.997	0.999	0.999	1.000
6375.0	0.540	0.681	0.765	0.831	0.895	0.928	0.952	0.974	0.985	0.991	0.996	0.998	0.999	1.000	1.000
6400.0	0.485	0.633	0.725	0.799	0.872	0.912	0.941	0.968	0.980	0.989	0.995	0.997	0.999	1.000	1.000
6425.0	0.499	0.640	0.728	0.800	0.871	0.910	0.939	0.965	0.979	0.988	0.994	0.997	0.998	0.999	1.000
6450.0	0.485	0.628	0.718	0.792	0.866	0.906	0.936	0.963	0.977	0.987	0.994	0.997	0.998	0.999	1.000
6475.0	0.445	0.599	0.697	0.777	0.856	0.900	0.931	0.961	0.976	0.986	0.994	0.997	0.998	0.999	1.000
6500.0	0.527	0.671	0.758	0.825	0.889	0.924	0.949	0.972	0.983	0.990	0.996	0.998	0.999	1.000	1.000
6525.0	0.523	0.669	0.756	0.824	0.889	0.925	0.949	0.971	0.982	0.990	0.995	0.997	0.999	0.999	1.000
6550.0	0.527	0.673	0.759	0.827	0.891	0.924	0.949	0.971	0.981	0.989	0.995	0.997	0.998	0.999	1.000
6575.0	0.555	0.695	0.777	0.840	0.899	0.930	0.952	0.972	0.982	0.989	0.995	0.997	0.998	0.999	1.000
6600.0	0.590	0.722	0.798	0.855	0.909	0.937	0.958	0.976	0.984	0.990	0.995	0.998	0.998	0.999	1.000
6625.0	0.598	0.729	0.804	0.861	0.914	0.941	0.960	0.977	0.986	0.991	0.995	0.997	0.998	0.999	1.000
6650.0	0.600	0.731	0.806	0.863	0.916	0.943	0.962	0.978	0.986	0.991	0.995	0.997	0.999	0.999	1.000
6675.0	0.513	0.658	0.748	0.819	0.887	0.922	0.947	0.969	0.980	0.987	0.993	0.996	0.998	0.999	1.000
6700.0	0.373	0.543	0.656	0.748	0.839	0.887	0.922	0.953	0.968	0.979	0.988	0.993	0.996	0.998	0.999
6725.0	0.315	0.488	0.608	0.709	0.810	0.865	0.905	0.941	0.959	0.972	0.984	0.990	0.994	0.997	0.999
6750.0	0.323	0.496	0.615	0.715	0.815	0.869	0.909	0.944	0.962	0.974	0.985	0.990	0.994	0.997	0.998
6775.0	0.269	0.443	0.569	0.677	0.789	0.849	0.894	0.935	0.955	0.969	0.982	0.988	0.992	0.996	0.998
6800.0	0.230	0.400	0.528	0.642	0.761	0.828	0.877	0.923	0.946	0.963	0.978	0.985	0.991	0.995	0.997
6825.0	0.302	0.474	0.594	0.697	0.801	0.858	0.900	0.938	0.957	0.971	0.983	0.989	0.993	0.996	0.998
6850.0	0.245	0.401	0.517	0.622	0.737	0.806	0.859	0.910	0.936	0.956	0.973	0.982	0.988	0.993	0.996
6875.0	0.146	0.284	0.403	0.518	0.653	0.738	0.807	0.874	0.911	0.937	0.962	0.974	0.983	0.990	0.994
6900.0	0.101	0.239	0.366	0.493	0.642	0.734	0.806	0.875	0.911	0.938	0.962	0.974	0.983	0.991	0.994
6925.0	0.167	0.318	0.443	0.564	0.698	0.779	0.840	0.899	0.929	0.950	0.970	0.979	0.986	0.993	0.996
6950.0	0.209	0.376	0.502	0.616	0.738	0.809	0.863	0.914	0.940	0.959	0.975	0.983	0.989	0.994	0.996
6975.0	0.172	0.333	0.461	0.581	0.714	0.791	0.850	0.906	0.935	0.955	0.973	0.982	0.988	0.994	0.996
7000.0	0.122	0.260	0.386	0.512	0.659	0.748	0.817	0.883	0.918	0.943	0.965	0.977	0.985	0.992	0.995
7025.0	0.054	0.167	0.292	0.428	0.595	0.678	0.779	0.858	0.899	0.929	0.957	0.971	0.981	0.990	0.994
7050.0	0.031	0.127	0.244	0.379	0.551	0.661	0.750	0.837	0.884	0.918	0.950	0.966	0.978	0.988	0.993
7075.0	0.030	0.117	0.223	0.348	0.515	0.627	0.721	0.816	0.868	0.906	0.942	0.960	0.973	0.985	0.991
7100.0	0.024	0.101	0.200	0.322	0.490	0.606	0.704	0.804	0.860	0.901	0.938	0.958	0.971	0.983	0.989
7125.0	0.012	0.065	0.148	0.263	0.435	0.558	0.666	0.778	0.840	0.886	0.929	0.951	0.966	0.980	0.987
7150.0	0.003	0.035	0.100	0.202	0.370	0.499	0.616	0.741	0.812	0.866	0.916	0.942	0.960	0.976	0.984
7175.0	0.005	0.042	0.112	0.217	0.384	0.511	0.626	0.749	0.819	0.871	0.920	0.945	0.963	0.979	0.986
7200.0	0.003	0.024	0.068	0.144	0.289	0.415	0.539	0.681	0.765	0.831	0.894	0.926	0.949	0.970	0.981
7225.0	0.000	0.001	0.010	0.038	0.124	0.227	0.351	0.519	0.633	0.727	0.821	0.872	0.910	0.944	0.962
7250.0	0.008	0.046	0.103	0.176	0.291	0.391	0.496	0.630	0.718	0.790	0.862	0.901	0.930	0.957	0.970

U(PR.CM.)

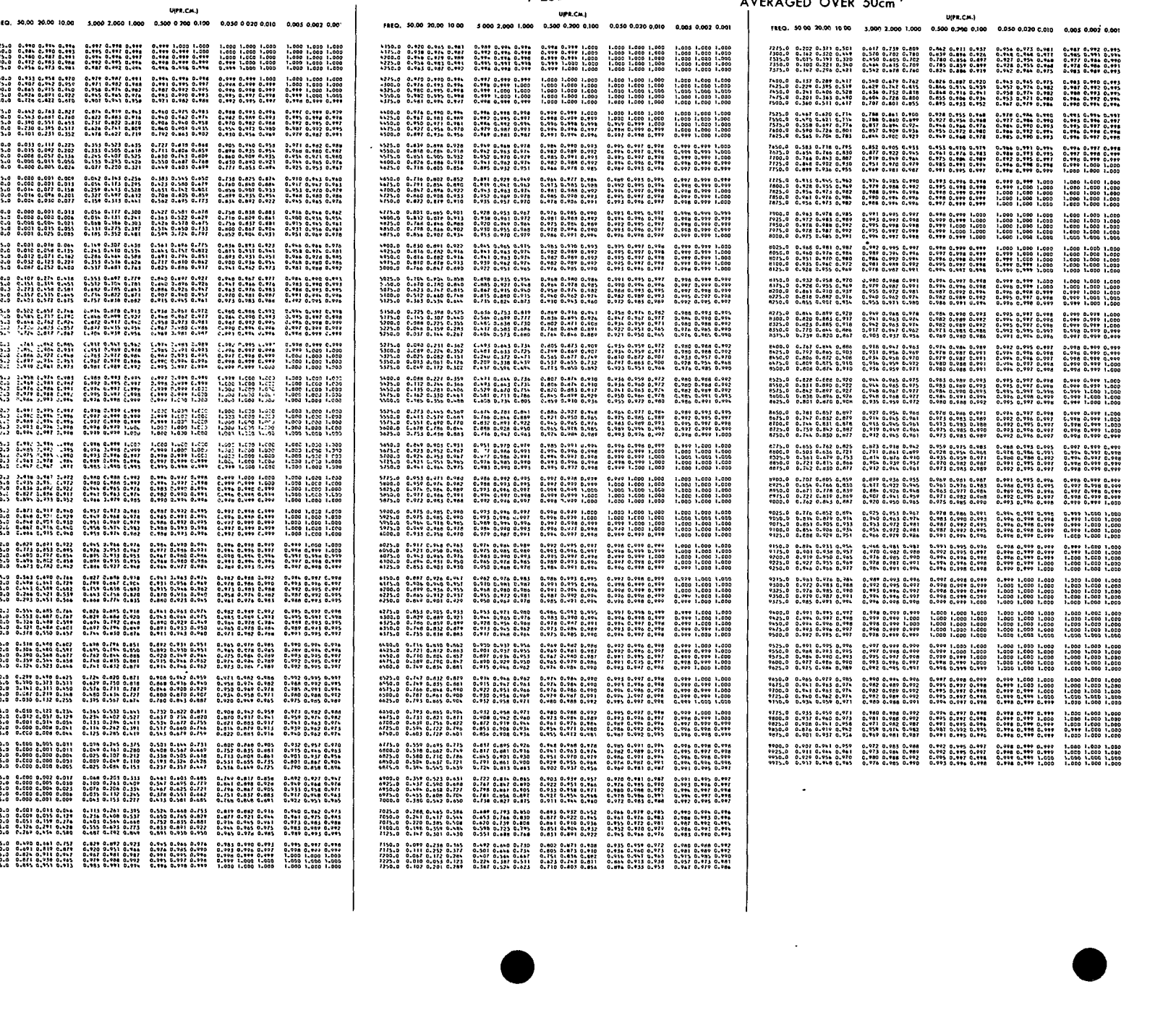
FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
7275.0	0.021	0.100	0.204	0.332	0.506	0.625	0.721	0.818	0.871	0.910	0.944	0.962	0.974	0.985	0.990
7300.0	0.016	0.074	0.144	0.282	0.454	0.577	0.682	0.790	0.849	0.893	0.934	0.954	0.969	0.981	0.988
7325.0	0.002	0.024	0.075	0.164	0.324	0.455	0.577	0.711	0.789	0.849	0.904	0.933	0.953	0.972	0.981
7350.0	0.008	0.043	0.100	0.189	0.343	0.469	0.588	0.718	0.794	0.852	0.906	0.934	0.954	0.972	0.982
7375.0	0.012	0.067	0.148	0.259	0.426	0.549	0.657	0.770	0.834	0.881	0.925	0.948	0.964	0.979	0.986
7400.0	0.009	0.058	0.138	0.251	0.423	0.548	0.657	0.771	0.835	0.882	0.926	0.948	0.965	0.979	0.987
7425.0	0.036	0.125	0.232	0.358	0.526	0.638	0.732	0.825	0.875	0.912	0.945	0.963	0.975	0.986	0.991
7450.0	0.039	0.135	0.244	0.370	0.536	0.644	0.737	0.828	0.878	0.914	0.947	0.964	0.976	0.986	0.992
7475.0	0.025	0.102	0.202	0.325	0.495	0.611	0.709	0.808	0.862	0.903	0.940	0.958	0.972	0.984	0.990
7500.0	0.117	0.249	0.362	0.478	0.621	0.713	0.787	0.861	0.901	0.930	0.957	0.970	0.980	0.988	0.993
7525.0	0.168	0.338	0.470	0.589	0.718	0.793	0.851	0.905	0.934	0.954	0.972	0.980	0.987	0.992	0.995
7550.0	0.174	0.342	0.473	0.591	0.719	0.793	0.850	0.905	0.933	0.953	0.971	0.980	0.986	0.992	0.995
7575.0	0.241	0.431	0.562	0.671	0.781	0.842	0.888	0.929	0.951	0.966	0.979	0.986	0.990	0.994	0.996
7600.0	0.270	0.464	0.594	0.701	0.806	0.863	0.903	0.940	0.959	0.972	0.982	0.988	0.992	0.995	0.997
7625.0	0.257	0.439	0.568	0.677	0.788	0.848	0.893	0.933	0.954	0.968	0.980	0.986	0.990	0.994	0.996
7650.0	0.277	0.459	0.586	0.693	0.800	0.857	0.899	0.937	0.956	0.969	0.981	0.987	0.991	0.995	0.997
7675.0	0.384	0.551	0.661	0.750	0.837	0.883	0.918	0.949	0.964	0.975	0.985	0.990	0.994	0.997	0.998
7700.0	0.565	0.698	0.776	0.836	0.894	0.925	0.947	0.968	0.978	0.985	0.991	0.995	0.997	0.999	0.999
7725.0	0.701	0.803	0.858	0.900	0.937	0.956	0.970	0.982	0.988	0.992	0.996	0.998	0.999	1.000	1.000
7750.0	0.799	0.871	0.910	0.937	0.962	0.974	0.983	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000
7775.0	0.876	0.891	0.926	0.950	0.972	0.982	0.989	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
7800.0	0.860	0.915	0.943	0.963	0.980	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
7825.0	0.915	0.951	0.969	0.980	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
7850.0	0.924	0.956	0.972	0.983	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
7875.0	0.914	0.950	0.968	0.980	0.989	0.993	0.995	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000
7900.0	0.928	0.960	0.975	0.985	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
7925.0	0.948	0.972	0.983	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7950.0	0.962	0.980	0.988	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7975.0	0.961	0.980	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8000.0	0.953	0.974	0.984	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8025.0	0.938	0.964	0.977	0.986	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
8050.0	0.921	0.953	0.968	0.979	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
8075.0	0.902	0.941	0.959	0.973	0.984	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
8100.0	0.868	0.918	0.944	0.962	0.977	0.985	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
8125.0	0.854	0.908	0.937	0.956	0.974	0.983	0.988	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000
8150.0	0.862	0.913	0.940	0.958	0.975	0.983	0.989	0.994	0.996	0.997	0.999	1.000	1.000	1.000	1.000
8175.0	0.855	0.909	0.938	0.957	0.974	0.983	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
8200.0	0.730	0.821	0.872	0.909	0.943	0.960	0.973	0.985	0.990	0.994	0.998	0.999	0.999	1.000	1.000
8225.0	0.648	0.762	0.827	0.876	0.922	0.945	0.963	0.978	0.986	0.992	0.996	0.998	0.999	1.000	1.000
8250.0	0.712	0.810	0.863	0.903	0.939	0.958	0.971	0.983	0.989	0.993	0.996	0.998	0.999	1.000	1.000
8275.0	0.686	0.792	0.850	0.893	0.932	0.953	0.967	0.980	0.987	0.991	0.995	0.997	0.998	0.999	1.000
8300.0	0.641	0.759	0.826	0.875	0.921	0.944	0.961	0.976	0.984	0.989	0.994	0.997	0.998	0.999	1.000
8325.0	0.650	0.765	0.829	0.878	0.923	0.946	0.962	0.977	0.985	0.990	0.995	0.997	0.998	0.999	1.000
8350.0	0.585	0.704	0.776	0.834	0.891	0.922	0.945	0.966	0.977	0.984	0.991	0.995	0.997	0.999	0.999
8375.0	0.548	0.669	0.746	0.809	0.874	0.909	0.935	0.960	0.972	0.981	0.989	0.993	0.996	0.998	0.999
8400.0	0.567	0.696	0.773	0.834	0.892	0.923	0.946	0.967	0.977	0.985	0.991	0.994	0.997	0.998	0.999
8425.0	0.606	0.730	0.802	0.856	0.908	0.935	0.955	0.972	0.981	0.987	0.993	0.996	0.997	0.999	0.999
8450.0	0.628	0.745	0.812	0.864	0.913	0.938	0.957	0.973	0.982	0.988	0.993	0.995	0.997	0.999	0.999
8475.0	0.630	0.748	0.816	0.867	0.916	0.941	0.959	0.975	0.983	0.988	0.993	0.996	0.998	0.999	0.999
8500.0	0.629	0.747	0.815	0.867	0.915	0.940	0.958	0.975	0.983	0.988	0.994	0.996	0.998	0.999	1.000
8525.0	0.661	0.773	0.835	0.882	0.926	0.948	0.964	0.978	0.984	0.991	0.995	0.997	0.998	0.999	1.000
8550.0	0.673	0.779	0.839	0.885	0.927	0.949	0.964	0.979	0.986	0.991	0.996	0.998	0.999	0.999	1.000
8575.0	0.697	0.795	0.851	0.893	0.932	0.952	0.967	0.980	0.987	0.992	0.996	0.998	0.999	1.000	1.000
8600.0	0.687	0.792	0.850	0.894	0.934	0.954	0.969	0.982	0.988	0.993	0.997	0.998	0.999	1.000	1.000
8625.0	0.616	0.741	0.813	0.867	0.917	0.942	0.961	0.977	0.985	0.991	0.996	0.998	0.999	1.000	1.000
8650.0	0.515	0.711	0.790	0.849	0.905	0.934	0.955	0.974	0.983	0.989	0.995	0.997	0.998	0.999	1.000
8675.0	0.520	0.667	0.754	0.821	0.886	0.920	0.944	0.967	0.978	0.986	0.992	0.995	0.997	0.999	0.999
8700.0	0.513	0.662	0.751	0.819	0.884	0.919	0.944	0.966	0.977	0.985	0.992	0.995	0.997	0.999	0.999
8725.0	0.538	0.685	0.768	0.833	0.894	0.926	0.949	0.969	0.979	0.986	0.992	0.995	0.997	0.998	0.999
8750.0	0.523	0.668	0.754	0.822	0.886	0.921	0.945	0.967	0.978	0.986	0.992	0.995	0.997	0.998	0.999
8775.0	0.410	0.563	0.665	0.749	0.835	0.883	0.918	0.950	0.967	0.978	0.988	0.993	0.995	0.998	0.999
8800.0	0.244	0.397	0.510	0.614	0.730	0.800	0.854	0.907	0.935	0.955	0.973	0.983	0.989	0.994	0.997
8825.0	0.322	0.465	0.567	0.659	0.760	0.821	0.869	0.916	0.941	0.959	0.975	0.984	0.989	0.994	0.997
8850.0	0.481	0.635	0.729	0.803	0.874	0.911	0.932	0.963	0.975	0.983	0.991	0.994	0.996	0.998	0.999
8875.0	0.507	0.660	0.750	0.819	0.885	0.920	0.944	0.967	0.977	0.985	0.991	0.994	0.996	0.998	0.999
8900.0	0.454	0.615	0.714	0.792	0.867	0.906	0.935	0.960	0.973	0.982	0.990	0.994	0.996	0.998	0.999
8925.0	0.380	0.551	0.661	0.750	0.837	0.884	0.918	0.949	0.965	0.977	0.987	0.992	0.995	0.998	0.999
8950.0	0.408	0.574	0.679	0.764	0.847	0.891	0.924	0.953	0.968	0.979	0.988	0.993	0.996	0.998	0.999
8975.0	0.498	0.647	0.738	0.809	0.878	0.914	0.940	0.963	0.975	0.984	0.992	0.995	0.997	0.999	0.999
9000.0	0.559	0.695	0.775	0.838	0.896	0.927	0.950	0.970	0.980	0.988	0.994	0.997	0.998	0.999	1.000
9025.0	0.579	0.711	0.789	0.849	0.905	0.934	0.956	0.974	0.983	0.990	0.995	0.997	0.999	1.000	1.000
9050.0	0.643	0.761	0.828	0.879	0.926	0.949	0.966	0.981	0.987	0.992	0.996	0.998	0.999	1.000	1.000
9075.0	0.706	0.809	0.865	0.906	0.943	0.961	0.974	0.985	0.990	0.994	0.997	0.998	0.999	1.000	1.000
9100.0	0.713	0.814	0.869	0.909	0.945	0.962	0.975	0.985	0.990	0.994	0.997	0.998	0.999	1.000	1.000
9125.0	0.776	0.858	0.901	0.933	0.960	0.973	0.982	0.990	0.993	0.996	0.998	0.999	0.999	1.000	1.000
9150.0	0.785	0.865	0.906	0.936	0.962	0.974	0.983	0.990	0.993	0.996	0.997	0.999	0.999	1.000	1.000
9175.0	0.798	0.873	0.912	0.940	0.964	0.976	0.984	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
9200.0	0.854	0.897	0.929	0.952	0.971	0.981	0.987	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000
9225.0	0.850	0.907	0.936	0.957	0.974	0.983	0.989	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
9250.0	0.888	0.932	0.953	0.969	0.981	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9275.0	0.920	0.952	0.968	0.978	0.987	0.992	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9300.0	0.943	0.966	0.977	0.985	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9325.0	0.951	0.970	0.980	0.986	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9350.0	0.956	0.973	0.981	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9375.0	0.970	0.982	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9400.0	0.983	0.990	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9425.0	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9450.0	0.988	0.993	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9475.0	0.986	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9500.0	0.984	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9525.0	0.981	0.989	0.993	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9550.0	0.976	0.985	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9575.0	0.966	0.980	0.986	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9600.0	0.953	0.971	0.980	0.986	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9625.0	0.947	0.967	0.977	0.984	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9650.0	0.928	0.956	0.969	0.979	0.988	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9675.0	0.879	0.923	0.946	0.963	0.978	0.986	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9700.0	0.877	0.922	0.945	0.962	0.977	0.985	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9725.0	0.875	0.921	0.945	0.962	0.977	0.985	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9750.0	0.862	0.913	0.939	0.958	0.974	0.983	0.988	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000
9775.0	0.864	0.914	0.940	0.958	0.975	0.983	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
9800.0	0.849	0.919	0.944	0.961	0.977	0.985	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
9825.0	0.822	0.883	0.916	0.940	0.963	0.976	0.982	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000
9850.0	0.763	0.840	0.884	0.917	0.947	0.963	0.974	0.985	0.990	0.993	0.997	0.998	0.999	1.000	1.000
9875.0	0.806	0.875	0.912	0.938	0.962	0.974	0.982	0.990	0.993	0.996	0.998	0.999	1.000	1.000	1.000
9900.0	0.816	0.883	0.918	0.943	0.965	0.976	0.984	0.991	0.994	0.996	0.998	0.999	1.000	1.000	1.000
9925.0	0.824	0.888	0.922	0.946	0.967	0.978	0.985	0.991	0.994	0.996	0.998	0.999	1.000	1.000	1.000
9950.0	0.857	0.913	0.941	0.961	0.977	0.985	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000
9975.0	0.835	0.898	0.930	0.952	0.971	0.981	0.987	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000

WATER VAPOR AT 0.02 ATMOSPHERE PRESSURE
T=250° K
AVERAGED OVER 50cm^{-1}

WATER VAPOR AT 0.01 ATMOSPHERE PRESSURE

T=250° K

AVERAGED OVER 50cm^{-1}



WATER VAPOR AT 1.00 ATMOSPHERE PRESSURE

T=200° K

AVERAGED OVER 50cm^{-1}

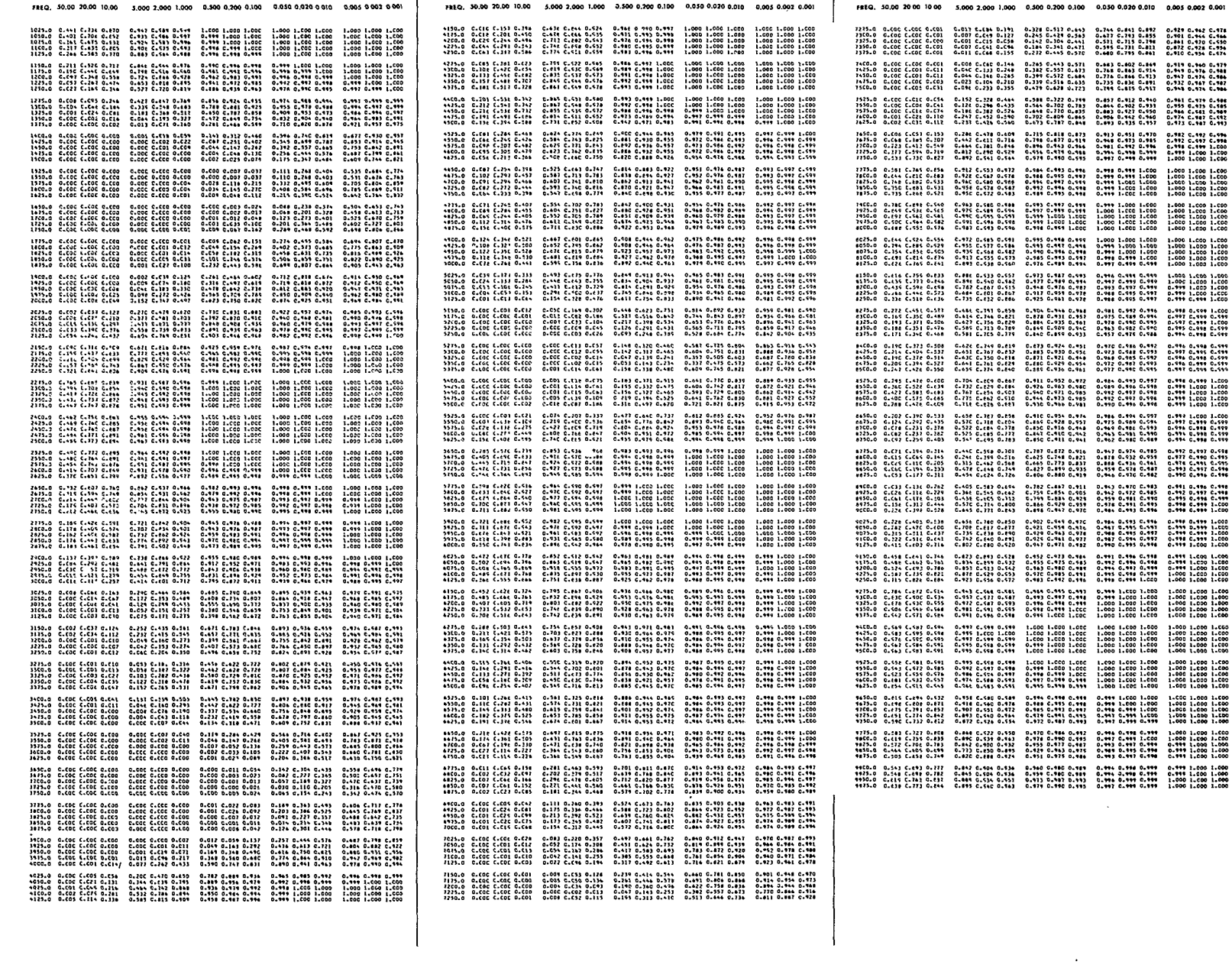
FREQ.	UNITS CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1025.0	0.190	0.525	0.739	0.872	0.962	0.990	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1050.0	0.196	0.548	0.761	0.886	0.966	0.987	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1075.0	0.201	0.572	0.781	0.898	0.969	0.989	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1100.0	0.203	0.594	0.803	0.911	0.974	0.991	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1125.0	0.208	0.612	0.824	0.922	0.978	0.993	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1150.0	0.251	0.792	0.931	0.983	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1175.0	0.278	0.821	0.946	0.989	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1200.0	0.314	0.851	0.960	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1225.0	0.374	0.884	0.974	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1250.0	0.402	0.896	0.979	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1275.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1300.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1325.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1350.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1375.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1400.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1425.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1450.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1475.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1500.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1525.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1550.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1575.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1600.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1625.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1650.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1675.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1700.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1725.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1750.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1775.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1800.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1825.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1850.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1875.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1900.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1925.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1950.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1975.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2025.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2050.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2075.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2200.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2225.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2250.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2275.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2300.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2325.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2350.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2375.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2400.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2425.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2450.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2475.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2500.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2525.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2550.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2575.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2600.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2625.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2650.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2675.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2700.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2725.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2750.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2775.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2800.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2825.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2850.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2875.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2900.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2925.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2950.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2975.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3025.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3050.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3075.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3200.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3225.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3250.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3275.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3300.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3325.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3350.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3375.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3400.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3425.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3450.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3475.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3500.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3525.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3550.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3575.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3600.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3625.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3650.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3675.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3700.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3725.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3750.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3775.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3800.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3825.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3850.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3875.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3900.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3925.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3950.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3975.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4025.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4050.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4075.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

FREQ.	UNITS CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
4150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4200.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4225.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4250.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4275.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4300.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4325.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4350.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4375.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4400.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4425.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4450.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4475.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4500.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4525.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4550.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4575.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4600.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4625.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4650.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4675.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4700.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4725.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4750.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4775.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4800.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4825.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4850.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4875.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4900.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4925.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4950.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4975.

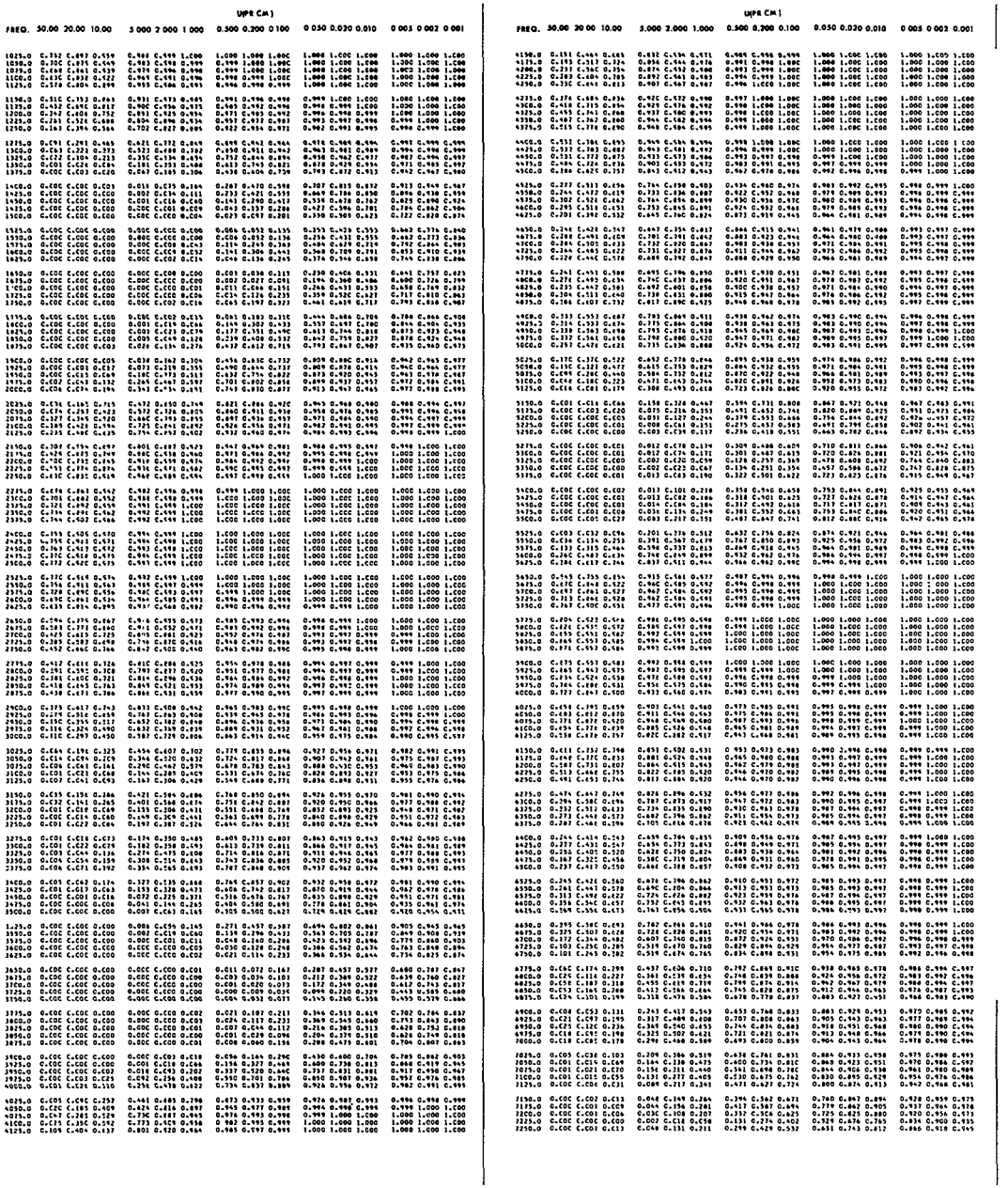
WATER VAPOR AT 0.50 ATMOSPHERE PRESSURE

T=200° K

AVERAGED OVER 50 cm^{-1}

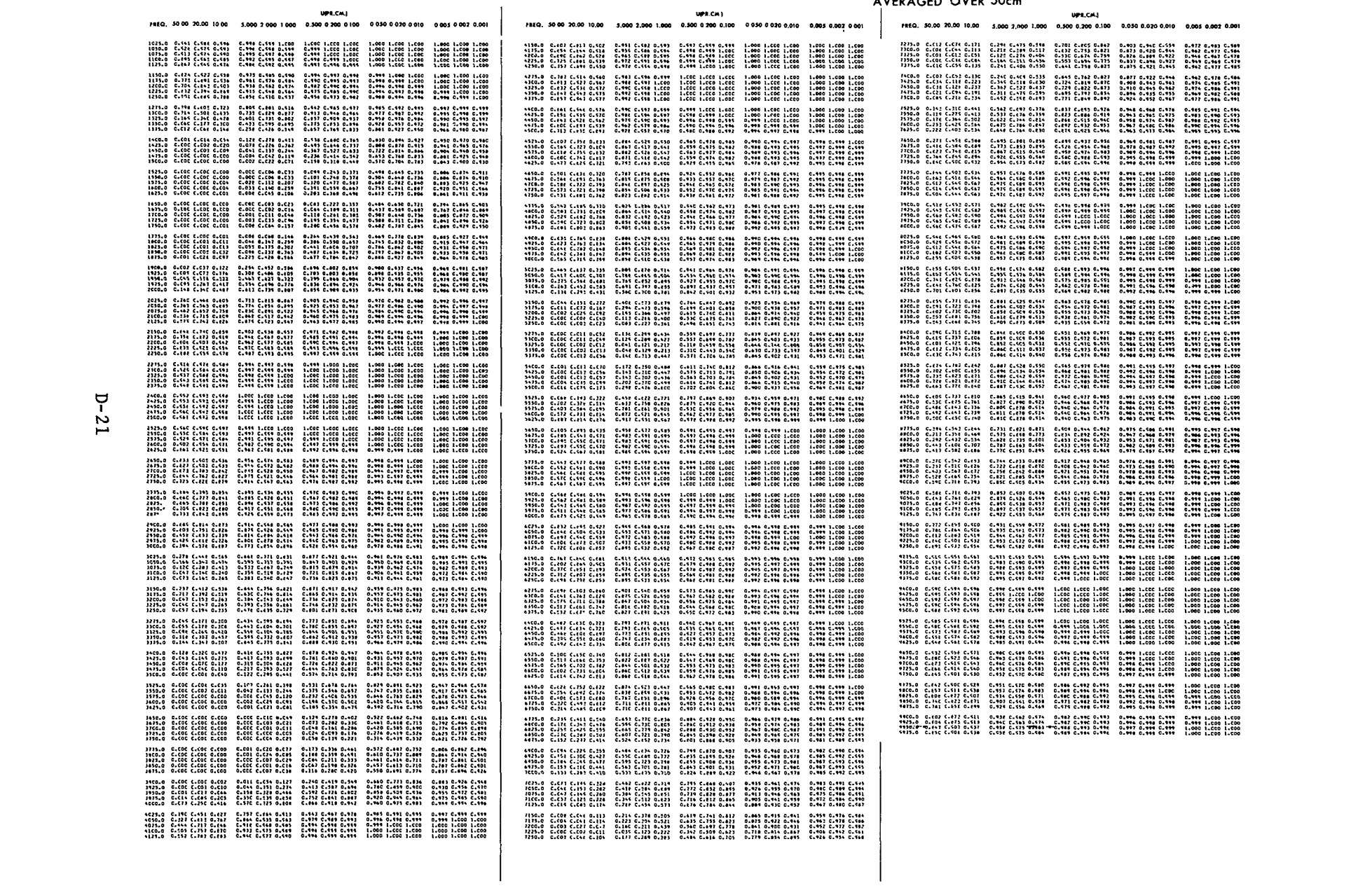


WATER VAPOR AT 0.20 ATMOSPHERE PRESSURE
T=200° K
AVERAGED OVER 50cm^{-1}

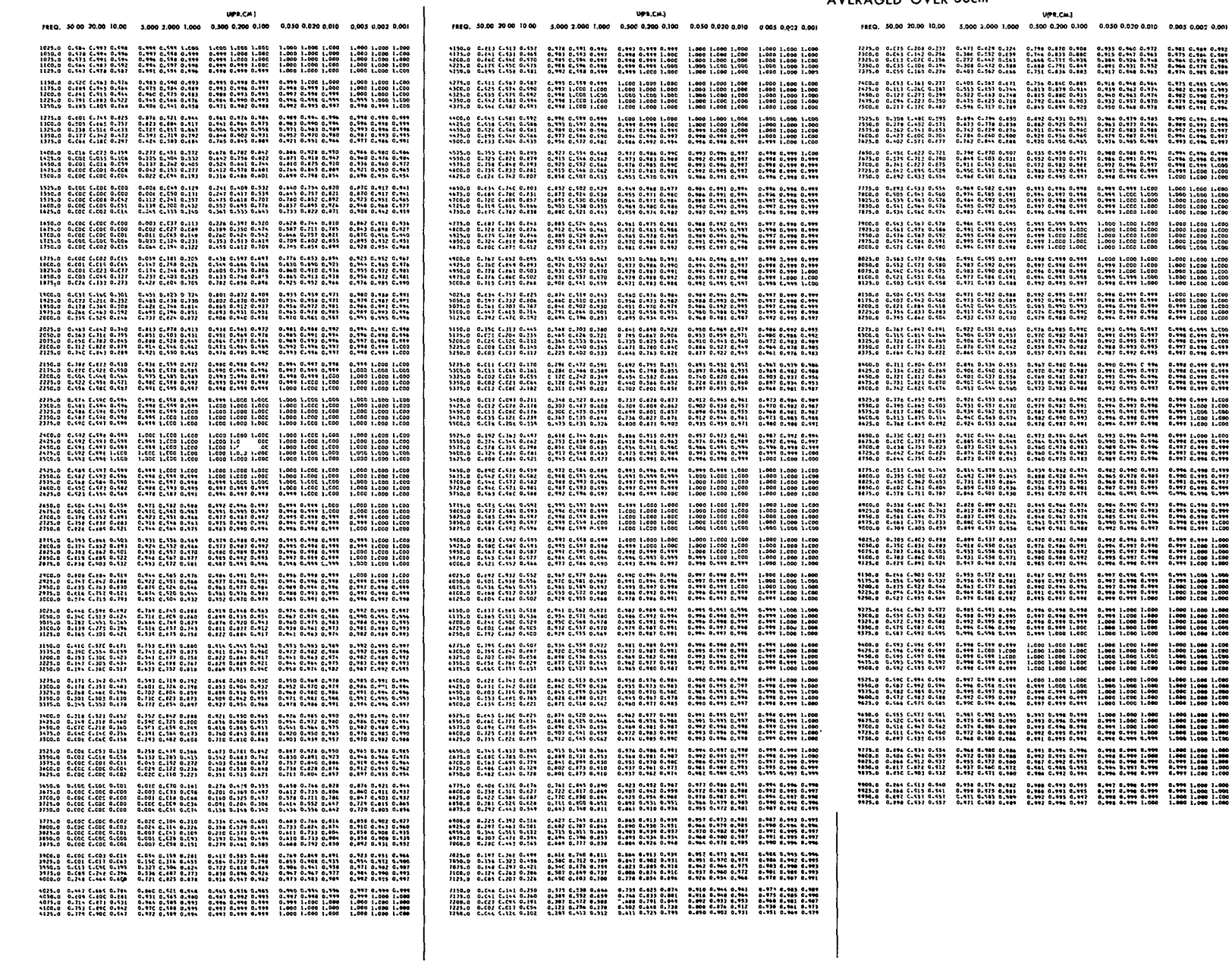


WATER VAPOR AT 0.10 ATMOSPHERE PRESSURE
T=200°K
AVERAGED OVER $50cm^{-1}$

WATER VAPOR AT 0.05 ATMOSPHERE PRESSURE
T=200° K
AVERAGED OVER 50cm $^{-1}$



WATER VAPOR AT 0.02 ATMOSPHERE PRESSURE
T=200° K
AVERAGED OVER 50cm^{-1}



WATER VAPOR AT 0.01 ATMOSPHERE PRESSURE

T=200° K

AVERAGED OVER 50cm^{-1}

APPENDIX E

WATER VAPOR TRANSMISSIONS AVERAGED OVER 100 cm^{-1} WITH ENTRIES EVERY 50 cm^{-1} FOR FREQUENCIES FROM 1000 cm^{-1} TO 10,000 cm^{-1} AT 300°K, 250°K, AND 200°K

WATER VAPOR AT 1.00 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER 100 cm^{-1}

U(PR.CM.)

FREQ	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1050.0	0.117	0.415	0.784	0.894	0.966	0.986	0.993	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
1100.0	0.205	0.544	0.885	0.934	0.978	0.993	0.983	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
1150.0	0.299	0.653	0.933	0.960	0.987	0.996	0.986	0.996	0.998	0.999	0.998	0.999	1.000	1.000	1.000
1200.0	0.383	0.731	0.961	0.975	0.992	0.998	0.989	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000
1250.0	0.445	0.784	0.978	0.983	0.995	0.999	0.992	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1300.0	0.000	0.006	0.021	0.097	0.241	0.379	0.522	0.686	0.781	0.852	0.918	0.951	0.972	0.988	0.994
1350.0	0.000	0.009	0.026	0.122	0.270	0.397	0.534	0.691	0.785	0.856	0.920	0.952	0.973	0.988	0.994
1400.0	0.000	0.010	0.030	0.139	0.293	0.414	0.545	0.696	0.789	0.859	0.922	0.953	0.973	0.988	0.994
1450.0	0.000	0.011	0.034	0.153	0.312	0.429	0.554	0.701	0.793	0.862	0.924	0.954	0.974	0.988	0.994
1500.0	0.000	0.012	0.038	0.166	0.329	0.443	0.563	0.706	0.797	0.865	0.926	0.955	0.975	0.989	0.994
1550.0	0.000	0.013	0.042	0.178	0.345	0.457	0.572	0.712	0.801	0.868	0.928	0.956	0.976	0.989	0.995
1600.0	0.000	0.014	0.046	0.190	0.360	0.471	0.581	0.718	0.806	0.871	0.930	0.957	0.976	0.989	0.995
1650.0	0.000	0.015	0.050	0.202	0.375	0.485	0.590	0.724	0.811	0.874	0.932	0.958	0.977	0.990	0.995
1700.0	0.000	0.016	0.054	0.214	0.390	0.499	0.599	0.730	0.816	0.877	0.934	0.959	0.978	0.990	0.995
1750.0	0.000	0.017	0.059	0.227	0.406	0.513	0.608	0.736	0.821	0.880	0.936	0.960	0.978	0.990	0.995
1800.0	0.000	0.018	0.064	0.241	0.423	0.528	0.618	0.743	0.826	0.883	0.938	0.961	0.979	0.990	0.995
1850.0	0.000	0.020	0.070	0.257	0.441	0.544	0.628	0.750	0.832	0.886	0.940	0.962	0.979	0.991	0.996
1900.0	0.000	0.022	0.077	0.275	0.461	0.561	0.639	0.758	0.838	0.890	0.942	0.963	0.980	0.991	0.996
1950.0	0.000	0.024	0.085	0.296	0.483	0.579	0.651	0.766	0.844	0.894	0.944	0.964	0.980	0.991	0.996
2000.0	0.000	0.027	0.095	0.321	0.508	0.599	0.664	0.775	0.851	0.898	0.946	0.965	0.981	0.992	0.996
2050.0	0.000	0.032	0.109	0.352	0.538	0.623	0.678	0.786	0.858	0.902	0.948	0.966	0.982	0.992	0.997
2100.0	0.000	0.038	0.128	0.392	0.575	0.650	0.693	0.798	0.866	0.906	0.950	0.967	0.982	0.992	0.997
2150.0	0.000	0.047	0.154	0.444	0.620	0.681	0.710	0.811	0.874	0.910	0.952	0.968	0.983	0.993	0.997
2200.0	0.000	0.061	0.192	0.513	0.677	0.719	0.729	0.826	0.882	0.914	0.954	0.969	0.984	0.993	0.997
2250.0	0.000	0.083	0.249	0.606	0.753	0.767	0.751	0.844	0.892	0.919	0.956	0.971	0.985	0.994	0.998
2300.0	0.000	0.120	0.339	0.732	0.850	0.827	0.778	0.866	0.904	0.925	0.959	0.973	0.986	0.994	0.998
2350.0	0.000	0.186	0.485	0.894	0.955	0.894	0.812	0.892	0.918	0.933	0.963	0.976	0.988	0.995	0.998
2400.0	0.000	0.309	0.703	0.973	0.991	0.945	0.854	0.922	0.935	0.944	0.968	0.980	0.990	0.996	0.999
2450.0	0.000	0.536	0.894	0.998	0.999	0.979	0.907	0.957	0.957	0.958	0.974	0.985	0.993	0.997	0.999
2500.0	0.000	0.870	0.980	1.000	1.000	0.997	0.957	0.982	0.978	0.973	0.980	0.989	0.995	0.998	0.999
2550.0	0.000	0.978	0.998	1.000	1.000	1.000	0.989	0.995	0.990	0.984	0.986	0.993	0.997	0.999	1.000
2600.0	0.000	0.998	1.000	1.000	1.000	1.000	0.997	0.998	0.995	0.991	0.991	0.995	0.998	0.999	1.000
2650.0	0.000	1.000	1.000	1.000	1.000	1.000	0.999	1.000	0.998	0.995	0.994	0.997	0.998	1.000	1.000
2700.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.997	0.996	0.997	0.999	1.000	1.000
2750.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.998	0.997	0.998	0.999	1.000	1.000
2800.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.998	0.999	1.000	1.000	1.000
2850.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	1.000	1.000	1.000
2900.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2950.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3000.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3050.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3100.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3150.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3200.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3250.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3300.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3350.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3400.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3450.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3500.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3550.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3600.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3650.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3700.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3750.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3800.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3850.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3900.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3950.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4000.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4050.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4100.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4150.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4200.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4250.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4300.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4350.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4400.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4450.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4500.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4550.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4600.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4650.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4700.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4750.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4800.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4850.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4900.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4950.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5000.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5050.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5100.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5150.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5200.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5250.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5300.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5350.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5400.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5450.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5500.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5550.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5600.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5650.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5700.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5750.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5800.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5850.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5900.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5950.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6000.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6050.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6100.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6150.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6200.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6250.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6300.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6350.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6400.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6450.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6500.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6550.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6600.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6650.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6700.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6750.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6800.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6850.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6900.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6950.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7000.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7050.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7100.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7150.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7200.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7250.0	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
7300.0	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.041	0.109	0.213	0.589	0.527	0.652	0.785	0.859
7350.0	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.015	0.056	0.127	0.350	0.443	0.560	0.735	0.826
7400.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.035	0.093	0.195	0.376	0.498	0.690	0.804
7450.0	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.002	0.022	0.076	0.256	0.447	0.580	0.753	0.838
7500.0	0.000	0.000	0.002	0.018	0.061	0.170	0.281	0.408	0.576	0.690	0.786	0.877	0.925	0.957	0.981
7550.0	0.000	0.000	0.006	0.039	0.123	0.309	0.446	0.581	0.727	0.803	0.884	0.931	0.950	0.970	0.986
7600.0	0.000	0.000	0.009	0.062	0.159	0.353	0.490	0.625	0.766	0.832	0.898	0.936	0.952	0.970	0.986
7650.0	0.000	0.000	0.013	0.087	0.221	0.452	0.559	0.657	0.779	0.846	0.907	0.940	0.953	0.971	0.986
7700.0	0.000	0.000	0.019	0.124	0.294	0.549	0.645	0.702	0.802	0.873	0.916	0.944	0.955	0.972	0.987
7750.0	0.000	0.000	0.027	0.175	0.378	0.641	0.698	0.815	0.875	0.899	0.928	0.948	0.958	0.974	0.987
7800.0	0.000	0.000	0.038	0.242	0.466	0.722	0.744	0.858	0.898	0.917	0.939	0.952	0.962	0.976	0.988
7850.0	0.000	0.000	0.053	0.327	0.550	0.788	0.783	0.886	0.916	0.931	0.948	0.957	0.966	0.978	0.989
7900.0	0.000	0.000	0.073	0.431	0.627	0.840	0.817	0.907	0.931	0.943	0.956	0.962	0.969	0.980	0.990
7950.0	0.000	0.000	0.100	0.554	0.695	0.877	0.847	0.923	0.943	0.953	0.963	0.967	0.972	0.982	0.991
8000.0	0.000	0.000	0.136	0.695	0.751	0.902	0.874	0.936	0.953	0.962	0.969	0.972	0.975	0.984	0.992
8050.0	0.000	0.000	0.183	0.820	0.798	0.921	0.899	0.947	0.962	0.969	0.974	0.976	0.978	0.986	0.993
8100.0	0.000	0.000	0.242	0.894	0.838	0.936	0.923	0.956	0.969	0.974	0.978	0.979	0.981	0.988	0.994
8150.0	0.000	0.000	0.312	0.939	0.875	0.948	0.944	0.964	0.974	0.978	0.981	0.982	0.983	0.990	0.995
8200.0	0.000	0.000	0.391	0.964	0.909	0.958	0.961	0.971	0.978	0.981	0.984	0.985	0.986	0.992	0.996
8250.0	0.000	0.000	0.475	0.979	0.939	0.967	0.974	0.977	0.982	0.984	0.987	0.988	0.988	0.994	0.997
8300.0	0.000	0.000	0.557	0.987	0.962	0.975	0.983	0.983	0.986	0.987	0.989	0.990	0.990	0.995	0.998
8350.0	0.000	0.000	0.634	0.992	0.977	0.981	0.988	0.988	0.989	0.990	0.991	0.992	0.992	0.996	0.998
8400.0	0.000	0.000	0.703	0.995	0.986	0.986	0.991	0.991	0.992	0.992	0.993	0.994	0.994	0.997	0.999
8450.0	0.000	0.000	0.762	0.997	0.991	0.990	0.993	0.993	0.994	0.994	0.995	0.995	0.995	0.998	0.999
8500.0	0.000	0.000	0.810	0.998	0.994	0.992	0.995	0.995	0.995	0.995	0.996	0.996	0.996	0.998	0.999
8550.0	0.000	0.000	0.847	0.999	0.996	0.994	0.996	0.996	0.996	0.996	0.997	0.997	0.997	0.999	1.000
8600.0	0.000	0.000	0.875	0.999	0.997	0.995	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.999	1.000
8650.0	0.000	0.000	0.895	1.000	0.998	0.996	0.998	0.998	0.998	0.997	0.998	0.998	0.998	0.999	1.000
8700.0	0.000	0.000	0.909	1.000	0.998	0.997	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.999	1.000
8750.0	0.000	0.000	0.919	1.000	0.999	0.997	0.999	0.999	0.999	0.998	0.998	0.998	0.998	0.999	1.000
8800.0	0.000	0.000	0.926	1.000	0.999	0.998	0.999	0.999	0.999	0.998	0.998	0.998	0.998	0.999	1.000
8850.0	0.000	0.000	0.931	1.000	0.999	0.998	0.999	0.999	0.999	0.998	0.998	0.998	0.998	0.999	1.000
8900.0	0.000	0.000	0.935	1.000	0.999	0.998	0.999	0.999	0.999	0.998	0.998	0.998	0.998	0.999	1.000

WATER VAPOR AT 0.50 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER100cm^{-1}

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1050.0	0.541	0.771	0.882	0.942	0.978	0.988	0.981	0.997	0.993	0.999	1.000	1.000	1.000	1.000	1.000
1100.0	0.513	0.668	0.807	0.891	0.950	0.977	0.983	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
1150.0	0.256	0.512	0.679	0.800	0.897	0.937	0.961	0.983	0.989	0.996	0.998	0.999	0.999	1.000	1.000
1200.0	0.117	0.321	0.498	0.654	0.803	0.871	0.917	0.957	0.975	0.986	0.994	0.997	0.998	0.999	1.000
1250.0	0.053	0.159	0.270	0.421	0.609	0.724	0.811	0.899	0.932	0.969	0.986	0.994	0.996	0.999	0.999
1300.0	0.023	0.070	0.087	0.181	0.347	0.482	0.607	0.743	0.820	0.878	0.931	0.957	0.975	0.988	0.994
1350.0	0.010	0.026	0.020	0.069	0.174	0.272	0.375	0.548	0.664	0.767	0.873	0.922	0.955	0.984	0.992
1400.0	0.000	0.000	0.000	0.002	0.015	0.048	0.120	0.276	0.416	0.551	0.700	0.786	0.852	0.933	0.965
1450.0	0.000	0.000	0.000	0.000	0.001	0.008	0.019	0.101	0.241	0.396	0.568	0.683	0.784	0.875	0.931
1500.0	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.043	0.113	0.271	0.393	0.522	0.658	0.782	0.854
1550.0	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.017	0.049	0.178	0.277	0.387	0.557	0.702	0.794
1600.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.019	0.080	0.157	0.245	0.392	0.559	0.668
1650.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.005	0.019	0.068	0.145	0.255	0.424	0.547
1700.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.009	0.050	0.119	0.222	0.365	0.507
1750.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.079	0.170	0.289	0.496	0.581
1800.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.006	0.051	0.117	0.226	0.357	0.556	0.651
1850.0	0.000	0.000	0.000	0.000	0.000	0.011	0.047	0.183	0.275	0.409	0.539	0.688	0.777	0.845	0.898
1900.0	0.000	0.000	0.000	0.000	0.004	0.112	0.232	0.418	0.553	0.647	0.785	0.849	0.897	0.939	0.961
1950.0	0.000	0.000	0.000	0.005	0.030	0.124	0.261	0.379	0.543	0.653	0.769	0.835	0.884	0.921	0.954
2000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2050.0	0.001	0.019	0.075	0.181	0.367	0.508	0.627	0.753	0.824	0.878	0.934	0.954	0.971	0.986	0.992
2100.0	0.005	0.052	0.149	0.288	0.487	0.617	0.722	0.825	0.880	0.921	0.956	0.973	0.986	0.992	0.996
2150.0	0.053	0.175	0.311	0.456	0.630	0.755	0.812	0.889	0.929	0.956	0.978	0.988	0.993	0.997	0.999
2200.0	0.132	0.328	0.485	0.625	0.762	0.855	0.890	0.939	0.961	0.978	0.990	0.995	0.997	0.999	1.000
2250.0	0.254	0.495	0.651	0.767	0.864	0.911	0.941	0.972	0.984	0.991	0.996	0.998	0.999	1.000	1.000
2300.0	0.396	0.658	0.749	0.885	0.943	0.966	0.981	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2350.0	0.492	0.738	0.842	0.926	0.965	0.980	0.988	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000
2400.0	0.555	0.789	0.884	0.945	0.973	0.986	0.990	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000
2450.0	0.612	0.832	0.923	0.963	0.983	0.992	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2500.0	0.647	0.858	0.941	0.974	0.990	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2550.0	0.626	0.864	0.931	0.969	0.988	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2600.0	0.553	0.795	0.884	0.938	0.970	0.989	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2650.0	0.502	0.736	0.846	0.911	0.957	0.979	0.988	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2700.0	0.378	0.604	0.733	0.828	0.904	0.945	0.970	0.987	0.993	0.997	0.999	1.000	1.000	1.000	1.000
2750.0	0.309	0.520	0.664	0.781	0.877	0.927	0.959	0.982	0.991	0.996	0.998	0.999	1.000	1.000	1.000
2800.0	0.298	0.536	0.682	0.796	0.892	0.939	0.968	0.986	0.993	0.997	0.999	1.000	1.000	1.000	1.000
2850.0	0.217	0.458	0.622	0.753	0.868	0.925	0.956	0.980	0.989	0.996	0.998	0.999	1.000	1.000	1.000
2900.0	0.127	0.328	0.493	0.639	0.781	0.854	0.904	0.961	0.980	0.993	0.997	0.999	0.999	1.000	1.000
2950.0	0.062	0.186	0.341	0.501	0.676	0.772	0.842	0.909	0.954	0.986	0.995	0.998	0.999	1.000	1.000
3000.0	0.019	0.113	0.235	0.377	0.553	0.665	0.752	0.859	0.926	0.972	0.993	0.998	0.999	1.000	1.000
3050.0	0.008	0.058	0.144	0.262	0.429	0.547	0.650	0.782	0.877	0.957	0.987	0.997	0.999	1.000	1.000
3100.0	0.004	0.029	0.072	0.158	0.304	0.424	0.542	0.681	0.787	0.926	0.975	0.995	0.999	1.000	1.000
3150.0	0.004	0.030	0.105	0.185	0.354	0.484	0.580	0.715	0.795	0.855	0.951	0.987	0.998	1.000	1.000
3200.0	0.004	0.031	0.107	0.187	0.373	0.507	0.610	0.743	0.809	0.843	0.903	0.967	0.994	1.000	1.000
3250.0	0.000	0.004	0.029	0.092	0.234	0.365	0.495	0.647	0.741	0.810	0.889	0.928	0.956	0.980	0.989
3300.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3350.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3400.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3450.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3500.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3550.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3600.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3650.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3700.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3750.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3800.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3850.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3900.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3950.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4050.0	0.007	0.067	0.151	0.267	0.468	0.602	0.716	0.821	0.878	0.918	0.953	0.971	0.983	0.992	0.996
4100.0	0.018	0.107	0.255	0.367	0.596	0.743	0.822	0.904	0.935	0.959	0.985	0.990	0.989	0.996	0.998
4150.0	0.045	0.216	0.554	0.745	0.891	0.950	0.970	0.994	0.996	0.999	1.000	1.000	1.000	1.000	1.000
4200.0	0.135	0.469	0.674	0.835	0.937	0.975	0.992	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4250.0	0.231	0.543	0.746	0.876	0.956	0.984	0.995	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4300.0	0.268	0.618	0.796	0.901	0.968	0.989	0.996	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4350.0	0.347	0.666	0.827	0.915	0.976	0.991	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4400.0	0.367	0.676	0.818	0.903	0.966	0.987	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4450.0	0.314	0.591	0.746	0.845	0.924	0.956	0.972	0.987	0.993	0.998	0.999	1.000	1.000	1.000	1.000
4500.0	0.206	0.449	0.612	0.736	0.844	0.897	0.933	0.962	0.977	0.987	0.995	0.997	0.998	0.999	1.000
4550.0	0.169	0.421	0.581	0.709	0.824	0.879	0.918	0.953	0.970	0.982	0.991	0.996	0.998	0.999	1.000
4600.0	0.171	0.379	0.522	0.662	0.780	0.825	0.876	0.928	0.952	0.971	0.986	0.993	0.996	0.998	0.999
4650.0	0.188	0.385	0.516	0.636	0.759	0.806	0.861	0.913	0.944	0.968	0.985	0.992	0.996	0.998	0.999
4700.0	0.257	0.481	0.615	0.718	0.817	0.863	0.902	0.941	0.962	0.977	0.989	0.994	0.997	0.999	0.999
4750.0	0.233	0.459	0.604	0.716	0.817	0.869	0.908	0.945	0.964	0.978	0.989	0.994	0.997	0.999	0.999
4800.0	0.185	0.369	0.517	0.660	0.759	0.825	0.876	0.925	0.951	0.969	0.985	0.992	0.996	0.998	0.999
4850.0	0.176	0.358	0.544	0.677	0.790	0.851	0.897	0.941	0.961	0.975	0.988	0.993	0.997	0.999	0.999
4900.0	0.183	0.403	0.565	0.696	0.815	0.876	0.918	0.953	0.970	0.982	0.991	0.995	0.997	0.999	0.999
4950.0	0.126	0.327	0.494	0.638	0.775	0.844	0.898	0.943	0.966	0.979	0.990	0.995	0.997	0.999	1.000
5000.0	0.074	0.252	0.388	0.559	0.700	0.792	0.858	0.918	0.948	0.969	0.985	0.992	0.996	0.998	0.999
5050.0	0.023	0.109	0.228	0.376	0.565	0.698	0.779	0.866	0.911	0.944	0.972	0.986	0.992	0.997	0.998
5100.0	0.004	0.035	0.095	0.192	0.362	0.498	0.622	0.776	0.839	0.896	0.957	0.982	0.978	0.990	0.995
5150.0	0.000	0.002	0.013	0.065	0.174	0.262	0.400	0.578	0.689	0.778	0.893	0.951	0.963	0.987	0.993
5200.0	0.000	0.000	0.000	0.004	0.040	0.111	0.226	0.398	0.534	0.663	0.784	0.851	0.899	0.962	0.984
5250.0	0.000	0.000	0.000	0.004	0.037	0.104	0.213	0.384	0.521	0.653	0.775	0.845	0.896	0.964	0.958
5300.0	0.000	0.000	0.000	0.004	0.032	0.085	0.169	0.315	0.429	0.540	0.665	0.742	0.806	0.871	0.909
5350.0	0.000	0.000	0.000	0.001	0.012	0.049	0.125	0.267	0.360	0.500	0.635	0.716	0.785	0.861	0.905
5400.0	0.000	0.000	0.000	0.000	0.002	0.025	0.081	0.182	0.341	0.502	0.623	0.702	0.778	0.852	0.902
5450.0	0.000	0.000	0.000	0.002	0.014	0.072	0.181	0.278	0.455	0.582	0.691	0.800	0.859	0.902	0.940
5500.0	0.000	0.000	0.000	0.006	0.036	0.139	0.257	0.389	0.557	0.686	0.755	0.842	0.889	0.924	0.956
5550.0	0.002	0.021	0.064	0.139	0.284	0.401	0.535	0.617	0.765	0.830	0.895	0.930	0.955	0.977	0.986
5600.0	0.012	0.076	0.176	0.301	0.479	0.615	0.708	0.815	0.874	0.917	0.953	0.973	0.977	0.988	0.994
5650.0	0.232	0.293	0.430	0.561	0.708	0.796	0.860	0.921	0.952	0.972	0.988	0.991	0.997	0.999	0.999
5700.0	0.257	0.487	0.639	0.758	0.845	0.915	0.949	0.976	0.987	0.993	0.997	0.999	0.999	1.000	1.000
5750.0	0.347	0.569	0.703	0.805	0.892	0.933	0.960	0.981	0.990	0.995	0.998	0.999	0.999	1.000	1.000
5800.0	0.504	0.712	0.816	0.888	0.944	0.960	0.982	0.992	0.994	0.998	0.999	1.000	1.000	1.000	1.000
5850.0	0.569	0.781	0.870	0.927	0.968	0.983	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
5900.0	0.642	0.836	0.892	0.939	0.973	0.986	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
5950.0	0.634	0.796	0.870	0.918	0.958	0.974	0.986	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000
6000.0	0.527	0.708	0.802	0.867	0.926	0.954	0.972	0.989	0.993	0.998	0.999	1.000	1.000	1.000	1.000
6050.0	0.538	0.718	0.810	0.876	0.929	0.955	0.972	0.987	0.993	0.998	0.999	1.000	1.000	1.000	1.000
6100.0	0.684	0.856	0.750	0.822	0.892	0.929	0.956	0.979	0.988	0.996	0.997	0.999	1.000	1.000	1.000
6150.0	0.659	0.825	0.759	0.797	0.875	0.918	0.948	0.975	0.987	0.994	0.997	0.999	1.000	1.000	1.000
6200.0	0.683	0.853	0.745	0.819	0.890	0.928	0.955	0.979	0.988	0.996	0.997	0.999	1.000	1.000	1.000
6250.0	0.389	0.582	0.696	0.788	0.875	0.920	0.951	0.977	0.987	0.993	0.997	0.999	0.999	1.000	1.000
6300.0	0.298	0.492	0.625	0.752	0.868	0.905	0.944	0.970	0.980	0.993	0.997	0.998	0.999	1.000	1.000
6350.0	0.205	0.387	0.530	0.662	0.802	0.877	0.923	0.962	0.977	0.988	0.996	0.998	0.999	1.000	1.000
6400.0	0.175	0.345	0.486	0.622	0.772	0.857	0.916	0.961	0.975	0.988	0.995	0.998	0.999	1.000	1.000
6450.0	0.167	0.336	0.511	0.609	0.758	0.856	0.896	0.952	0.973	0.988	0.995	0.998	0.999	1.000	1.000
6500.0	0.128	0.290	0.434	0.525	0.737	0.831	0.899	0.953	0.975	0.987	0.995	0.997	0.999	1.000	1.000
6550.0	0.156	0.332	0.480	0.637	0.794	0.866	0.906	0.955	0.978	0.987	0.995	0.997	0.999	1.000	1.000
6600.0	0.176	0.360	0.507	0.656	0.776	0.852	0.907	0.956	0.978	0.988	0.996	0.998	0.999	1.000	1.000
6650.0	0.152	0.327	0.471	0.605	0.749	0.850	0.890	0.942	0.966	0.981	0.992	0.996	0.998	0.999	1.000
6700.0	0.071	0.194	0.321	0.461	0.639	0.755	0.816	0.896	0.930	0.969	0.988	0.993	0.995	0.998	0.999
6750.0	0.023	0.104	0.234	0.356	0.533	0.664	0.753	0.865	0.902	0.939	0.976	0.988	0.992	0.998	0.999
6800.0	0.021	0.112	0.225	0.360	0.540	0.658	0.754	0.869	0.900	0.936	0.969	0.981	0.990	0.996	0.998
6850.0	0.015	0.077	0.162	0.272	0.435	0.555	0.662	0.777	0.884	0.895	0.943	0.964	0.980	0.993	0.995
6900.0	0.005	0.038	0.101	0.201	0.346	0.471	0.608	0.757	0.813	0.872	0.929	0.958	0.975	0.989	0.993
6950.0	0.001	0.035	0.103	0.210	0.383	0.525	0.636	0.762	0.836	0.891	0.941	0.965	0.981	0.992	0.996
7000.0	0.001	0.015	0.053	0.127	0.277	0.411	0.564	0.697	0.788	0.858	0.921	0.954	0.973	0.988	0.994
7050.0	0.000	0.002	0.011	0.056	0.151	0.285	0.433	0.592	0.702	0.787	0.881	0.932	0.953	0.980	0.990
7100.0	0.000	0.001	0.007	0.032	0.118	0.225	0.355	0.531	0.658	0.769	0.881	0.926	0.942	0.971	0.986
7150.0	0.000	0.000	0.003	0.015	0.075	0.168	0.293	0.475	0.603	0.732	0.854	0.909	0.927	0.963	0.979
7200.0	0.000	0.000	0.000	0.005	0.029	0.101	0.158	0.346	0.484	0.625	0.797	0.863	0.875	0.928	0.952
7250.0	0.000	0.000	0.004	0.028	0.075	0.143	0.232	0.371	0.485	0.594	0.726	0.804	0.869	0.937	0.954

WATER VAPOR AT 0.20 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER100cm.$^{-1}$

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1050.0	0.744	0.894	0.946	0.968	0.983	0.992	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
1100.0	0.654	0.823	0.898	0.939	0.966	0.978	0.986	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
1150.0	0.596	0.759	0.850	0.899	0.940	0.964	0.975	0.986	0.992	0.995	0.998	0.999	1.000	1.000	1.000
1200.0	0.709	0.830	0.892	0.935	0.967	0.982	0.988	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
1250.0	0.130	0.299	0.445	0.580	0.723	0.802	0.862	0.918	0.947	0.968	0.985	0.994	0.998	0.999	1.000
1300.0	0.027	0.105	0.204	0.325	0.493	0.608	0.706	0.808	0.867	0.910	0.949	0.968	0.989	0.996	0.998
1350.0	0.005	0.025	0.059	0.117	0.232	0.340	0.457	0.608	0.707	0.788	0.887	0.938	0.976	0.992	0.997
1400.0	0.000	0.000	0.001	0.019	0.063	0.163	0.258	0.435	0.562	0.673	0.784	0.858	0.944	0.980	0.994
1450.0	0.000	0.000	0.000	0.001	0.016	0.053	0.151	0.285	0.447	0.565	0.698	0.772	0.897	0.958	0.987
1500.0	0.000	0.000	0.000	0.000	0.001	0.009	0.039	0.139	0.296	0.439	0.592	0.683	0.843	0.924	0.973
1550.0	0.000	0.000	0.000	0.000	0.001	0.023	0.057	0.104	0.240	0.375	0.532	0.634	0.805	0.899	0.960
1600.0	0.000	0.000	0.000	0.000	0.000	0.006	0.021	0.061	0.169	0.292	0.467	0.580	0.764	0.873	0.945
1650.0	0.000	0.000	0.000	0.000	0.000	0.001	0.007	0.029	0.104	0.219	0.397	0.520	0.719	0.844	0.928
1700.0	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.013	0.061	0.161	0.329	0.459	0.672	0.814	0.909
1750.0	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.005	0.034	0.117	0.268	0.398	0.624	0.783	0.888
1800.0	0.000	0.000	0.000	0.000	0.001	0.011	0.044	0.113	0.259	0.390	0.519	0.667	0.755	0.825	0.891	0.934
1850.0	0.000	0.000	0.000	0.000	0.000	0.003	0.016	0.048	0.149	0.262	0.398	0.551	0.681	0.764	0.844	0.904
1900.0	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.018	0.076	0.161	0.286	0.443	0.611	0.708	0.800	0.875
1950.0	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.006	0.037	0.098	0.201	0.343	0.547	0.657	0.757	0.846
2000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.017	0.058	0.140	0.263	0.488	0.608	0.716	0.817
2050.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.033	0.096	0.199	0.434	0.560	0.677	0.788
2100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.018	0.065	0.150	0.385	0.514	0.639	0.760
2150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.043	0.111	0.339	0.470	0.602	0.732
2200.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.027	0.080	0.294	0.427	0.565	0.703
2250.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.016	0.057	0.249	0.384	0.528	0.673
2300.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.009	0.040	0.206	0.341	0.490	0.642
2350.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.027	0.167	0.298	0.451	0.609
2400.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.017	0.131	0.257	0.412	0.575
2450.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.010	0.099	0.217	0.373	0.541
2500.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.072	0.180	0.336	0.507
2550.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.050	0.145	0.300	0.473
2600.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.032	0.113	0.266	0.440
2650.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.085	0.234	0.408
2700.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.061	0.203	0.378
2750.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.042	0.174	0.350
2800.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.027	0.147	0.323
2850.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.016	0.122	0.297
2900.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.099	0.272
2950.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.079	0.249
3000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.062	0.227
3050.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.047	0.206
3100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.034	0.187
3150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.169
3200.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.153
3250.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.138
3300.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.124
3350.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.111
3400.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.099
3450.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.089
3500.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.079
3550.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.070
3600.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.062
3650.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.055
3700.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.049
3750.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.043
3800.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.038
3850.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.033
3900.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.029
3950.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.025
4000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.022
4050.0	0.039	0.165	0.305	0.455	0.627	0.730	0.808	0.878	0.916	0.942	0.965	0.978	0.986	0.993	0.996
4100.0	0.148	0.404	0.598	0.745	0.864	0.921	0.953	0.975	0.985	0.991	0.996	0.998	0.999	1.000	1.000
4150.0	0.301	0.600	0.770	0.874	0.951	0.978	0.989	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000
4200.0	0.436	0.719	0.855	0.930	0.979	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4250.0	0.531	0.786	0.892	0.952	0.987	0.995	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4300.0	0.604	0.835	0.918	0.966	0.991	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4350.0	0.658	0.857	0.929	0.971	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4400.0	0.656	0.842	0.916	0.958	0.982	0.990	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
4450.0	0.580	0.773	0.865	0.915	0.952	0.976	0.988	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
4500.0	0.438	0.643	0.758	.837	0.901	0.932	0.956	0.973	0.982	0.989	0.995	0.997	0.998	0.999	1.000
4550.0	0.311	0.515	0.733	0.816	0.886	0.921	0.946	0.967	0.978	0.986	0.993	0.996	0.998	0.999	1.000
4600.0	0.266	0.550	0.665	0.769	0.852	0.898	0.933	0.960	0.974	0.985	0.992	0.996	0.998	0.999	1.000
4650.0	0.269	0.537	0.645	0.726	0.811	0.861	0.903	0.938	0.958	0.974	0.987	0.993	0.996	0.998	0.999
4700.0	0.246	0.436	0.731	0.600	0.696	0.903	0.930	0.957	0.971	0.981	0.990	0.995	0.997	0.999	0.999
4750.0	0.465	0.630	0.733	0.807	0.874	0.910	0.934	0.961	0.972	0.983	0.991	0.995	0.997	0.999	0.999
4800.0	0.354	0.543	0.658	0.744	0.832	0.879	0.911	0.947	0.964	0.978	0.987	0.993	0.996	0.998	0.999
4850.0	0.370	0.564	0.680	0.768	0.853	0.897	0.929	0.958	0.972	0.981	0.990	0.994	0.997	0.999	0.999
4900.0	0.383	0.584	.703	0.790	0.874	0.915	0.946	0.966	0.975	0.984	0.991	0.995	0.997	0.999	0.999
4950.0	0.304	0.515	0.647	0.768	0.864	0.893	0.924	0.958	0.973	0.983	0.991	0.995	0.997	0.999	1.000
5000.0	0.214	0.411	0.552	0.670	0.789	0.853	0.899	0.941	0.961	0.975	0.987	0.993	0.996	0.998	0.999
5050.0	0.079	0.258	0.395	0.534	0.688	0.777	0.844	0.905	0.936	0.958	0.977	0.988	0.992	0.997	0.998
5100.0	0.031	0.113	0.211	0.336	0.510	0.629	0.728	0.826	0.875	0.916	0.957	0.978	0.982	0.993	0.995
5150.0	0.002	0.018	0.056	0.132	0.284	0.418	0.568	0.695	0.779	0.844	0.905	0.936	0.958	0.977	0.986
5200.0	0.000	0.002	0.011	0.037	0.135	0.252	0.383	0.563	0.650	0.748	0.850	0.898	0.929	0.970	0.973
5250.0	0.000	0.000	0.001	0.007	0.034	0.126	0.239	0.373	0.549	0.644	0.756	0.845	0.892	0.926	0.955	0.970
5300.0	0.000	0.000	0.001	0.007	0.029	0.103	0.188	0.293	0.442	0.547	0.661	0.765	0.806	0.858	0.908	0.935
5350.0	0.000	0.000	0.000	0.001	0.011	0.045	0.104	0.216	0.360	0.462	0.722	0.790	0.846	0.901	0.930	0.950
5400.0	0.000	0.000	0.000	0.004	0.024	0.103	0.231	0.343	0.521	0.638	0.735	0.829	0.880	0.916	0.949	0.964
5450.0	0.000	0.000	0.000	0.000	0.007	0.083	0.303	0.436	0.600	0.704	0.787	0.865	0.905	0.934	0.960	0.973
5500.0	0.000	0.000	0.011	0.049	0.178	0.332	0.453	0.539	0.683	0.787	0.853	0.894	0.924	0.948	0.969	0.979
5550.0	0.019	0.078	0.160	0.269	0.435	0.556	0.683	0.775	0.857	0.886	0.928	0.951	0.967	0.982	0.989
5600.0	0.070	0.200	0.327	0.459	0.637	0.734	0.792	0.868	0.909	0.939	0.965	0.978	0.987	0.994	0.997
5650.0	0.279	0.452	0.575	0.682	0.798	0.851	0.884	0.919	0.941	0.962	0.979	0.988	0.992	0.996	0.998
5700.0	0.463	0.651	0.757	0.835	0.903	0.936	0.960	0.972	0.980	0.990	0.997	0.999	0.999	1.000	1.000
5750.0	0.564	0.708	0.799	0.866	0.921	0.949	0.968	0.976	0.984	0.993	0.998	0.999	1.000	1.000	1.000
5800.0	0.681	0.812	0.877	0.920	0.957	0.973	0.980	0.985	0.990	0.998	0.999	1.000	1.000	1.000	1.000
5850.0	0.767	0.858	0.911	0.945	0.972	0.984	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
5900.0	0.789	0.884	0.926	0.955	0.977	0.987	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
5950.0	0.776	0.871	0.915	0.945	0.968	0.981	0.988	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000
6000.0	0.688	0.806	0.866	0.909	0.946	0.965	0.978	0.989	0.994	0.997	0.999	1.000	1.000	1.000	1.000
6050.0	0.689	0.812	0.871	0.913	0.949	0.967	0.979	0.989	0.993	0.996	0.998	0.999	1.000	1.000	1.000
6100.0	0.631	0.752	0.820	0.871	0.920	0.946	0.965	0.982	0.989	0.994	0.997	0.999	1.000	1.000	1.000
6150.0	0.601	0.723	0.795	0.851	0.904	0.932	0.959	0.979	0.988	0.993	0.997	0.999	0.999	1.000	1.000
6200.0	0.642	0.745	0.814	0.864	0.910	0.936	0.964	0.981	0.989	0.994	0.998	0.999	0.999	1.000	1.000
6250.0	0.564	0.692	0.779	0.845	0.904	0.938	0.961	0.980	0.989	0.994	0.997	0.999	0.999	1.000	1.000
6300.0	0.460	0.622	0.726	0.805	0.884	0.925	0.954	0.977	0.987	0.993	0.997	0.998	0.999	1.000	1.000
6350.0	0.355	0.528	0.666	0.745	0.846	0.900	0.939	0.970	0.984	0.993	0.996	0.998	0.999	1.000	1.000
6400.0	0.316	0.469	0.604	0.676	0.782	0.861	0.924	0.961	0.981	0.992	0.996	0.998	0.999	1.000	1.000
6450.0	0.273	0.439	0.543	0.673	0.792	0.883	0.912	0.957	0.976	0.987	0.995	0.997	0.999	0.999	1.000
6500.0	0.283	0.443	0.542	0.677	0.798	0.865	0.913	0.958	0.977	0.988	0.995	0.997	0.999	0.999	1.000
6550.0	0.305	0.487	0.612	0.717	0.824	0.883	0.925	0.961	0.978	0.988	0.995	0.997	0.999	1.000	1.000
6600.0	0.330	0.571	0.636	0.737	0.834	0.890	0.928	0.963	0.979	0.989	0.995	0.997	0.998	0.999	1.000
6650.0	0.351	0.562	0.652	0.707	0.815	0.876	0.912	0.954	0.972	0.984	0.992	0.996	0.998	0.999	1.000
6700.0	0.373	0.536	0.648	0.594	0.730	0.808	0.867	0.921	0.949	0.968	0.984	0.991	0.995	0.998	0.999
6750.0	0.441	0.632	0.744	0.505	0.662	0.755	0.826	0.894	0.929	0.954	0.975	0.985	0.992	0.996	0.998
6800.0	0.505	0.739	0.824	0.510	0.665	0.757	0.827	0.893	0.928	0.953	0.975	0.986	0.991	0.996	0.998
6850.0	0.565	0.772	0.284	0.606	0.563	0.663	0.751	0.838	0.883	0.922	0.955	0.972	0.983	0.992	0.996
6900.0	0.035	0.115	0.215	0.355	0.199	0.432	0.709	0.809	0.865	0.907	0.945	0.965	0.978	0.990	0.994
6950.0	0.031	0.120	0.229	0.357	0.527	0.641	0.716	0.815	0.883	0.925	0.956	0.971	0.983	0.992	0.996
7000.0	0.013	0.065	0.145	0.259	0.453	0.560	0.671	0.785	0.869	0.897	0.943	0.963	0.978	0.990	0.994
7050.0	0.001	0.018	0.063	0.169	0.310	0.444	0.569	0.707	0.788	0.851	0.911	0.942	0.964	0.982	0.990
7100.0	0.000	0.001	0.020	0.088	0.218	0.377	0.507	0.656	0.750	0.831	0.901	0.933	0.956	0.978	0.986
7150.0	0.000	0.000	0.021	0.066	0.186	0.311	0.446	0.610	0.722	0.796	0.872	0.916	0.944	0.970	0.982
7200.0	0.000	0.000	0.005	0.029	0.089	0.171	0.297	0.468	0.598	0.685	0.779	0.844	0.893	0.939	0.961
7250.0	0.000	0.000	0.007	0.029	0.108	0.208	0.352	0.503	0.608	0.702	0.803	0.880	0.904	0.946	0.965

WATER VAPOR 0.10 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER 100cm^{-1}

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
						U(PR.CM.)									
1850.0	0.870	0.943	0.966	0.978	0.989	0.997	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
1700.0	0.787	0.893	0.935	0.956	0.976	0.993	0.989	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000
1750.0	0.631	0.801	0.878	0.913	0.947	0.986	0.977	0.989	0.998	0.999	0.999	1.000	1.000	1.000	1.000
1800.0	0.449	0.662	0.784	0.836	0.898	0.970	0.952	0.973	0.993	0.989	0.995	0.997	0.999	0.999	1.000
1850.0	0.247	0.435	0.568	0.639	0.729	0.869	0.896	0.937	0.978	0.973	0.986	0.992	0.995	0.998	0.999
1500.0	0.078	0.198	0.317	0.362	0.595	0.691	0.771	0.852	0.897	0.930	0.959	0.973	0.983	0.991	0.995
1550.0	0.017	0.057	0.111	0.196	0.334	0.548	0.568	0.682	0.773	0.838	0.899	0.930	0.955	0.978	0.988
1600.0	0.000	0.011	0.034	0.069	0.161	0.355	0.383	0.549	0.659	0.749	0.839	0.887	0.921	0.955	0.968
1650.0	0.000	0.000	0.001	0.007	0.052	0.179	0.238	0.384	0.532	0.643	0.761	0.826	0.878	0.924	0.947
1700.0	0.000	0.000	0.000	0.000	0.009	0.068	0.102	0.239	0.368	0.492	0.642	0.730	0.806	0.874	0.913
1550.0	0.000	0.000	0.002	0.015	0.056	0.106	0.178	0.308	0.423	0.539	0.673	0.757	0.822	0.886	0.919
1600.0	0.000	0.000	0.000	0.003	0.018	0.075	0.119	0.251	0.411	0.532	0.660	0.756	0.832	0.898	0.944
1650.0	0.000	0.000	0.000	0.001	0.005	0.025	0.064	0.137	0.278	0.408	0.529	0.668	0.765	0.858	0.915
1700.0	0.000	0.000	0.000	0.000	0.001	0.006	0.018	0.115	0.249	0.369	0.489	0.632	0.734	0.845	0.903
1750.0	0.000	0.000	0.000	0.000	0.000	0.002	0.004	0.075	0.218	0.344	0.463	0.623	0.734	0.845	0.903
1800.0	0.000	0.000	0.001	0.006	0.043	0.132	0.217	0.386	0.514	0.628	0.768	0.857	0.870	0.919	0.944
1850.0	0.000	0.001	0.011	0.064	0.151	0.286	0.395	0.558	0.664	0.750	0.857	0.884	0.919	0.950	0.967
1900.0	0.000	0.006	0.035	0.159	0.269	0.457	0.536	0.678	0.762	0.827	0.889	0.922	0.946	0.968	0.978
1950.0	0.005	0.043	0.118	0.258	0.403	0.586	0.655	0.765	0.838	0.884	0.922	0.945	0.963	0.975	0.983
2000.0	0.026	0.117	0.235	0.372	0.544	0.693	0.741	0.829	0.877	0.913	0.944	0.963	0.975	0.985	0.990
2050.0	0.071	0.213	0.351	0.485	0.657	0.729	0.802	0.872	0.910	0.937	0.962	0.975	0.983	0.991	0.994
2100.0	0.141	0.321	0.466	0.589	0.719	0.783	0.853	0.908	0.935	0.956	0.975	0.983	0.990	0.994	0.997
2150.0	0.299	0.485	0.607	0.706	0.804	0.859	0.900	0.939	0.959	0.973	0.985	0.991	0.995	0.998	0.999
2200.0	0.445	0.640	0.737	0.809	0.877	0.912	0.940	0.968	0.977	0.985	0.992	0.994	0.998	0.999	1.000
2250.0	0.615	0.784	0.854	0.883	0.927	0.950	0.967	0.981	0.988	0.991	0.997	0.998	0.999	1.000	1.000
2300.0	0.759	0.871	0.916	0.944	0.967	0.974	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
2350.0	0.878	0.936	0.965	0.975	0.990	0.988	0.992	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2400.0	0.871	0.939	0.962	0.978	0.987	0.992	0.994	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000
2450.0	0.907	0.959	0.976	0.985	0.991	0.994	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2500.0	0.926	0.970	0.983	0.990	0.993	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2550.0	0.907	0.957	0.975	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2600.0	0.851	0.919	0.967	0.966	0.982	0.988	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2650.0	0.813	0.908	0.928	0.952	0.976	0.983	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2700.0	0.686	0.796	0.854	0.898	0.940	0.961	0.978	0.988	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2750.0	0.622	0.769	0.819	0.872	0.926	0.950	0.969	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2800.0	0.631	0.766	0.833	0.885	0.932	0.957	0.976	0.988	0.993	0.997	0.999	1.000	1.000	1.000	1.000
2850.0	0.566	0.719	0.801	0.863	0.920	0.949	0.968	0.984	0.991	0.995	0.998	0.999	1.000	1.000	1.000
2900.0	0.552	0.679	0.731	0.809	0.883	0.921	0.947	0.970	0.980	0.987	0.993	0.996	0.998	0.999	0.999
2950.0	0.515	0.653	0.699	0.778	0.855	0.903	0.931	0.960	0.973	0.984	0.992	0.995	0.997	0.999	0.999
3000.0	0.478	0.597	0.624	0.637	0.795	0.852	0.872	0.919	0.943	0.960	0.976	0.984	0.989	0.994	0.997
3050.0	0.535	0.584	0.607	0.523	0.658	0.762	0.809	0.875	0.911	0.937	0.961	0.974	0.983	0.991	0.995
3100.0	0.067	0.179	0.287	0.358	0.514	0.658	0.716	0.834	0.878	0.911	0.947	0.966	0.977	0.989	0.994
3150.0	0.095	0.232	0.322	0.339	0.508	0.687	0.767	0.894	0.897	0.926	0.956	0.969	0.979	0.990	0.994
3200.0	0.094	0.230	0.352	0.373	0.561	0.737	0.791	0.856	0.901	0.932	0.958	0.972	0.980	0.991	0.995
3250.0	0.027	0.115	0.223	0.348	0.514	0.625	0.758	0.813	0.865	0.900	0.941	0.959	0.973	0.985	0.991
3300.0	0.018	0.099	0.211	0.346	0.521	0.636	0.730	0.824	0.876	0.911	0.945	0.963	0.976	0.987	0.992
3350.0	0.010	0.073	0.181	0.323	0.514	0.637	0.726	0.816	0.881	0.917	0.949	0.965	0.977	0.987	0.992
3400.0	0.022	0.083	0.174	0.329	0.505	0.642	0.729	0.819	0.883	0.919	0.950	0.966	0.977	0.987	0.992
3450.0	0.031	0.093	0.196	0.339	0.519	0.653	0.736	0.824	0.887	0.921	0.952	0.967	0.978	0.988	0.993
3500.0	0.038	0.099	0.211	0.346	0.521	0.656	0.730	0.824	0.876	0.911	0.945	0.963	0.976	0.987	0.992
3550.0	0.000	0.000	0.001	0.009	0.050	0.121	0.225	0.395	0.520	0.636	0.755	0.823	0.876	0.921	0.946
3600.0	0.000	0.000	0.000	0.000	0.011	0.064	0.129	0.286	0.424	0.553	0.695	0.776	0.860	0.909	0.939
3650.0	0.000	0.000	0.000	0.000	0.005	0.030	0.066	0.194	0.334	0.497	0.657	0.747	0.847	0.902	0.937
3700.0	0.000	0.000	0.000	0.000	0.001	0.009	0.036	0.117	0.230	0.378	0.544	0.671	0.785	0.869	0.917
3750.0	0.000	0.000	0.000	0.000	0.000	0.004	0.029	0.078	0.182	0.280	0.385	0.514	0.605	0.778	0.833
3800.0	0.000	0.000	0.000	0.000	0.009	0.054	0.119	0.269	0.394	0.529	0.663	0.763	0.806	0.868	0.903
3850.0	0.000	0.000	0.000	0.000	0.005	0.025	0.077	0.209	0.334	0.470	0.622	0.730	0.806	0.877	0.916
3900.0	0.000	0.000	0.000	0.000	0.003	0.025	0.067	0.164	0.296	0.413	0.560	0.685	0.770	0.855	0.906
3950.0	0.000	0.000	0.000	0.000	0.004	0.038	0.064	0.139	0.259	0.358	0.525	0.632	0.725	0.819	0.870
4000.0	0.011	0.062	0.139	0.244	0.405	0.527	0.655	0.751	0.817	0.867	0.915	0.940	0.959	0.973	0.984
4050.0	0.122	0.299	0.447	0.580	0.722	0.803	0.858	0.910	0.937	0.956	0.975	0.982	0.989	0.994	0.996
4100.0	0.330	0.554	0.732	0.811	0.913	0.948	0.966	0.981	0.988	0.992	0.996	0.998	0.999	1.000	1.000
4150.0	0.522	0.757	0.861	0.927	0.971	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
4200.0	0.651	0.865	0.922	0.965	0.990	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4250.0	0.727	0.886	0.948	0.979	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4300.0	0.783	0.911	0.961	0.987	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4350.0	0.815	0.926	0.968	0.989	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4400.0	0.824	0.932	0.973	0.990	0.997	0.999	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4450.0	0.730	0.855	0.911	0.962	0.986	0.995	0.985	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
4500.0	0.750	0.870	0.919	0.963	0.984	0.993	0.984	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
4550.0	0.565	0.727	0.811	0.867	0.918	0.962	0.960	0.986	0.993	0.989	0.998	0.999	1.000	1.000	1.000
4600.0	0.580	0.655	0.762	0.889	0.871	0.909	0.935	0.960	0.972	0.982	0.990	0.995	0.997	0.999	0.999
4650.0	0.490	0.633	0.718	0.786	0.858	0.895	0.925	0.953	0.968	0.979	0.989	0.993	0.996	0.998	0.999
4700.0	0.591	0.723	0.793	0.867	0.909	0.926	0.961	0.967	0.978	0.982	0.992	0.995	0.997	0.999	0.999
4750.0	0.581	0.725	0.800	0.855	0.906	0.933	0.953	0.970	0.980	0.986	0.992	0.995	0.997	0.999	0.999
4800.0	0.592	0.669	0.736	0.807	0.873	0.909	0.928	0.960	0.972	0.982	0.990	0.994	0.996	0.998	0.999
4850.0	0.512	0.678	0.757	0.825	0.889	0.922	0.947	0.968	0.978	0.986	0.992	0.995	0.997	0.999	0.999
4900.0	0.530	0.692	0.774	0.844	0.905	0.936	0.956	0.974	0.983	0.989	0.994	0.996	0.998	0.999	1.000
4950.0	0.552	0.711	0.794	0.864	0.919	0.946	0.964	0.978	0.986	0.991	0.995	0.997	0.998	0.999	1.000
5000.0	0.550	0.531	0.655	0.769	0.869	0.888	0.923	0.955	0.970	0.980	0.989	0.994	0.996	0.998	0.999
5050.0	0.283	0.381	0.539	0.659	0.762	0.851	0.862	0.928	0.951	0.968	0.982	0.988	0.993	0.997	0.998
5100.0	0.282	0.293	0.325	0.455	0.616	0.773	0.792	0.886	0.909	0.937	0.963	0.976	0.985	0.992	0.995
5150.0	0.311	0.354	0.127	0.225	0.507	0.725	0.868	0.786	0.853	0.897	0.938	0.962	0.978	0.988	0.993
5200.0	0.280	0.307	0.036	0.181	0.266	0.579	0.511	0.662	0.757	0.823	0.888	0.932	0.967	0.968	0.979
5250.0	0.466	0.786	0.851	0.897	0.939	0.968	0.974	0.986	0.992	0.994	0.998	0.999	1.000	1.000	1.000
5300.0	0.000	0.007	0.028	0.076	0.183	0.284	0.395	0.535	0.629	0.710	0.798	0.858	0.891	0.938	0.951
5350.0	0.000	0.001	0.011	0.044	0.152	0.266	0.356	0.498	0.597	0.685	0.788	0.857	0.881	0.925	0.957
5400.0	0.000	0.000	0.003	0.016	0.075	0.227	0.300	0.483	0.577	0.670	0.772	0.837	0.858	0.912	0.947
5450.0	0.001	0.020	0.065	0.195	0.295	0.430	0.551	0.693	0.777	0.841	0.900	0.931	0.932	0.971	0.980
5500.0	0.005	0.068	0.196	0.334	0.502	0.527	0.664	0.814	0.876	0.874	0.922	0.945	0.962	0.977	0.988
5550.0	0.157	0.338	0.468	0.570	0.784	0.782	0.863	0.900	0.931	0.953	0.973	0.982	0.989	0.994	0.996
5600.0	0.161	0.369	0.671	0.756	0.868	0.888	0.921	0.952	0.969	0.980	0.989	0.993	0.997	0.999	0.999
5650.0	0.276	0.525	0.760	0.843	0.917	0.947	0.962	0.980	0.988	0.992	0.996	0.998	0.999	1.000	1.000
5700.0	0.466	0.786	0.851	0.897	0.939	0.968	0.974	0.986	0.992	0.994	0.998	0.999	1.000	1.000	1.000
5750.0	0.771	0.864	0.908	0.939	0.965	0.978	0.982	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
5800.0	0.777	0.866	0.909	0.940	0.953	0.977	0.982	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
5850.0	0.856	0.916	0.943	0.966	0.981	0.988	0.990	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
5900.0	0.855	0.916	0.943	0.966	0.981	0.988	0.990	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
5950.0	0.777	0.858	0.902	0.932	0.959	0.973	0.982	0.991	0.994	0.997	0.999	0.999	1.000	1.000	1.000
6000.0	0.777	0.858	0.902	0.932	0.959	0.973	0.982	0.991	0.994	0.997	0.999	0.999	1.000	1.000	1.000
6050.0	0.777	0.861	0.905	0.934	0.961	0.975	0.983	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000
6100.0	0.715	0.869	0.862	0.901	0.938	0.958	0.972	0.985	0.991	0.995	0.998	0.999	1.000	1.000	1.000
6150.0	0.683	0.786	0.862	0.886	0.928	0.953	0.967	0.982	0.989	0.994	0.997	0.999	1.000	1.000	1.000
6200.0	0.785	0.906	0.858	0.899	0.937	0.957	0.972	0.986	0.992	0.995	0.998	0.999	1.000	1.000	1.000
6250.0	0.846	0.936	0.930	0.944	0.969	0.977	0.984	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000
6300.0	0.572	0.788	0.787	0.869	0.906	0.938	0.961	0.988	0.988	0.993	0.997	0.999	0.999	1.000	1.000
6350.0	0.572	0.828	0.774	0.882	0.878	0.931	0.960	0.984	0.988	0.992	0.996	0.998	0.999	1.000	1.000
6400.0	0.536	0.589	0.693	0.776	0.868	0.908	0.940	0.980	0.982	0.990	0.995	0.997	0.999	1.000	1.000
6450.0	0.384	0.584	0.655	0.754	0.862	0.893	0.936	0.965	0.977	0.988	0.995	0.997	0.999	1.000	1.000
6500.0	0.384	0.550	0.659	0.758	0.862	0.893	0.938	0.965	0.977	0.988	0.995	0.997	0.999	1.000	1.000
6550.0	0.420	0.594	0.698	0.782	0.884	0.908	0.939	0.967	0.980	0.989	0.995	0.997	0.999	1.000	1.000
6600.0	0.434	0.618	0.719	0.798	0.895	0.915	0.943	0.968	0.981	0.990	0.995	0.997	0.999	1.000	1.000
6650.0	0.514	0.679	0.688	0.772	0.887	0.902	0.935	0.963	0.977	0.988	0.995	0.997	0.999	1.000	1.000
6700.0	0.511	0.679	0.688	0.772	0.887	0.902	0.935	0.963	0.977	0.988	0.995	0.997	0.999	1.000	1.000
6750.0	0.781	0.852	0.887	0.838	0.761	0.815	0.869	0.928	0.945	0.964	0.988	0.987	0.993	0.997	0.998
6800.0	0.787	0.856	0.898	0.813	0.762	0.818	0.878	0.928	0.945	0.965	0.979	0.987	0.992	0.998	0.998
6850.0	0.732	0.868	0.886	0.800	0.658	0.727	0.867	0.878	0.933	0.965	0.977	0.986	0.993	0.994	0.996
6900.0	0.844	0.895	0.933	0.863	0.695	0.756	0.876	0.905	0.933	0.965	0.977	0.986	0.993	0.994	0.996
6950.0	0.867	0.939	0.963	0.877	0.867	0.858	0.877	0.905	0.933	0.965	0.977	0.986	0.993	0.994	0.996
7000.0	0.867	0.939	0.963	0.877	0.867	0.858	0.877	0.905	0.933	0.965	0.977	0.986	0.993	0.994	0.996
7050.0	0.831	0.861	0.163	0.259	0.135	0.358	0.466	0.778	0.861	0.888	0.931	0.956	0.971	0.985	0.991
7100.0	0.886	0.861	0.186	0.282	0.266	0.195	0.612	0.759	0.811	0.865	0.917	0.945	0.963	0.978	0.988
7150.0	0.886	0.885	0.863	0.282	0.298	0.365	0.612	0.697	0.780	0.865	0.917	0.945	0.963	0.978	0.988
7200.0	0.886	0.885	0.823	0.885	0.298	0.365	0.380	0.697	0.780	0.761	0.832	0.886	0.918	0.943	0.969
7250.0	0.885	0.826	0.867	0.129	0.268	0.362	0.452	0.596	0.691	0.771	0.858	0.895	0.926	0.958	0.971

WATER VAPOR AT 0.05 ATMOSPHERE PRESSURE
T=300° K

AVERAGED OVER 100cm^{-1}

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
							U(P,R,CM.)								
10500.0	0.428	0.963	0.976	0.983	0.990	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
11000.0	0.469	0.970	0.983	0.988	0.992	0.997	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
11500.0	0.766	0.985	0.990	0.990	0.995	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000
12000.0	0.641	0.977	0.989	0.989	0.993	0.997	0.997	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000
12500.0	0.283	0.944	0.970	0.977	0.991	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
13000.0	0.160	0.915	0.952	0.964	0.985	0.989	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
13500.0	0.263	0.951	0.974	0.979	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
14000.0	0.502	0.981	0.989	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
14500.0	0.589	0.991	0.993	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
15000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15500.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16500.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17500.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18500.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19500.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20500.0	0.171	0.368	0.482	0.600	0.725	0.797	0.853	0.906	0.934	0.964	0.972	0.981	0.987	0.992	0.995
21000.0	0.272	0.441	0.555	0.688	0.788	0.846	0.889	0.930	0.952	0.969	0.980	0.987	0.992	0.995	0.997
21500.0	0.353	0.502	0.602	0.739	0.833	0.886	0.924	0.949	0.966	0.979	0.984	0.989	0.993	0.996	0.998
22000.0	0.369	0.512	0.801	0.858	0.903	0.936	0.955	0.973	0.982	0.988	0.990	0.994	0.996	0.998	1.000
22500.0	0.726	0.867	0.897	0.913	0.944	0.963	0.974	0.985	0.991	0.994	0.997	0.998	0.999	1.000	1.000
23000.0	0.640	0.926	0.952	0.958	0.975	0.984	0.989	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
23500.0	0.781	0.973	0.979	0.973	0.986	0.990	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
24000.0	0.922	0.992	0.992	0.981	0.989	0.992	0.995	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000
24500.0	0.964	0.972	0.968	0.983	0.990	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
25000.0	0.954	0.984	0.988	0.992	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
25500.0	0.944	0.979	0.981	0.988	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
26000.0	0.964	0.992	0.988	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
26500.0	0.977	0.992	0.987	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
27000.0	0.987	0.992	0.990	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
27500.0	0.989	0.992	0.992	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
28000.0	0.989	0.992	0.993	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
28500.0	0.989	0.992	0.993	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
29000.0	0.989	0.992	0.993	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
29500.0	0.989	0.992	0.993	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
30000.0	0.989	0.992	0.993	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
30500.0	0.242	0.433	0.518	0.622	0.736	0.804	0.857	0.908	0.935	0.956	0.971	0.980	0.987	0.993	0.996
31000.0	0.196	0.396	0.490	0.515	0.653	0.730	0.807	0.874	0.910	0.937	0.961	0.971	0.982	0.990	0.994
31500.0	0.179	0.359	0.457	0.548	0.681	0.762	0.825	0.892	0.926	0.948	0.967	0.977	0.986	0.992	0.995
32000.0	0.191	0.356	0.473	0.586	0.711	0.786	0.843	0.899	0.928	0.950	0.968	0.979	0.986	0.992	0.995
32500.0	0.266	0.421	0.545	0.671	0.778	0.841	0.881	0.926	0.948	0.963	0.976	0.984	0.989	0.994	0.996
33000.0	0.074	0.209	0.343	0.476	0.631	0.725	0.798	0.864	0.907	0.935	0.960	0.972	0.981	0.989	0.993
33500.0	0.049	0.178	0.310	0.465	0.630	0.728	0.805	0.875	0.913	0.939	0.962	0.974	0.983	0.990	0.993
34000.0	0.020	0.102	0.217	0.353	0.535	0.649	0.761	0.852	0.898	0.931	0.960	0.974	0.984	0.991	0.995
34500.0	0.007	0.069	0.161	0.321	0.513	0.632	0.764	0.856	0.882	0.922	0.958	0.973	0.982	0.990	0.995
35000.0	0.001	0.014	0.043	0.108	0.249	0.339	0.510	0.659	0.748	0.818	0.886	0.919	0.943	0.966	0.977
35500.0	0.000	0.001	0.009	0.035	0.116	0.221	0.345	0.551	0.624	0.719	0.815	0.888	0.907	0.942	0.960
36000.0	0.000	0.000	0.000	0.008	0.048	0.127	0.269	0.437	0.537	0.637	0.753	0.837	0.870	0.916	0.944
36500.0	0.000	0.000	0.000	0.002	0.020	0.069	0.192	0.359	0.468	0.605	0.732	0.825	0.860	0.912	0.939
37000.0	0.000	0.000	0.000	0.000	0.009	0.035	0.091	0.205	0.310	0.474	0.560	0.656	0.726	0.821	0.870
37500.0	0.000	0.000	0.000	0.000	0.003	0.028	0.068	0.152	0.277	0.474	0.596	0.677	0.749	0.826	0.872
38000.0	0.000	0.000	0.000	0.001	0.043	0.118	0.227	0.396	0.519	0.626	0.736	0.800	0.850	0.899	0.927
38500.0	0.000	0.000	0.000	0.000	0.009	0.078	0.167	0.331	0.465	0.589	0.721	0.790	0.857	0.910	0.937
39000.0	0.000	0.000	0.000	0.000	0.006	0.068	0.138	0.267	0.404	0.564	0.706	0.820	0.874	0.924	0.947
39500.0	0.000	0.001	0.014	0.047	0.110	0.236	0.356	0.537	0.626	0.719	0.784	0.856	0.905	0.933	0.958
40000.0	0.000	0.004	0.117	0.260	0.421	0.530	0.720	0.852	0.903	0.936	0.963	0.976	0.981	0.987	0.989
40500.0	0.243	0.440	0.573	0.683	0.799	0.854	0.896	0.933	0.953	0.967	0.980	0.987	0.991	0.995	0.997
41000.0	0.521	0.727	0.826	0.893	0.941	0.962	0.975	0.985	0.990	0.994	0.997	0.998	0.999	1.000	1.000
41500.0	0.301	0.645	0.920	0.957	0.980	0.989	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
42000.0	0.805	0.918	0.960	0.982	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
42500.0	0.854	0.943	0.975	0.989	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
43000.0	0.682	0.893	0.964	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
43500.0	0.902	0.965	0.985	0.993	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
44000.0	0.884	0.958	0.975	0.986	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
44500.0	0.824	0.957	0.979	0.989	0.996	0.998	0.999	0.999	1.000	0.999	1.000	1.000	1.000	1.000	1.000
45000.0	0.714	0.827	0.860	0.916	0.948	0.964	0.975	0.985	0.990	0.993	0.996	0.998	0.999	0.999	1.000
45500.0	0.489	0.707	0.864	0.905	0.961	0.959	0.971	0.982	0.986	0.992	0.995	0.997	0.998	0.999	1.000
46000.0	0.564	0.767	0.804	0.856	0.906	0.933	0.954	0.973	0.981	0.988	0.993	0.995	0.997	0.998	0.999
46500.0	0.641	0.711	0.780	0.836	0.891	0.922	0.944	0.965	0.976	0.983	0.991	0.994	0.997	0.998	0.999
47000.0	0.693	0.786	0.842	0.889	0.926	0.945	0.961	0.976	0.983	0.989	0.993	0.996	0.998	0.999	0.999
47500.0	0.692	0.779	0.824	0.892	0.930	0.950	0.965	0.978	0.985	0.990	0.994	0.996	0.998	0.999	0.999
48000.0	0.610	0.732	0.801	0.855	0.906	0.933	0.952	0.970	0.980	0.986	0.992	0.995	0.997	0.998	0.999
48500.0	0.653	0.751	0.819	0.870	0.917	0.942	0.960	0.976	0.984	0.989	0.994	0.996	0.998	0.999	0.999
49000.0	0.693	0.771	0.834	0.885	0.928	0.951	0.966	0.980	0.987	0.992	0.995	0.997	0.998	0.999	1.000
49500.0	0.743	0.791	0.801	0.899	0.912	0.940	0.959	0.976	0.984	0.989	0.994	0.996	0.998	0.999	1.000
50000.0	0.685	0.664	0.739	0.811	0.889	0.916	0.942	0.964	0.978	0.985	0.992	0.995	0.997	0.999	0.999
50500.0	0.350	0.568	0.669	0.724	0.827	0.877	0.911	0.944	0.963	0.973	0.988	0.991	0.994	0.997	0.998
51000.0	0.466	0.594	0.647	0.768	0.783	0.782	0.861	0.902	0.932	0.953	0.976	0.981	0.988	0.993	0.996
51500.0	0.036	0.125	0.231	0.258	0.527	0.639	0.731	0.824	0.875	0.912	0.944	0.962	0.975	0.986	0.991
52000.0	0.006	0.013	0.100	0.293	0.376	0.443	0.651	0.813	0.912	0.944	0.973	0.982	0.986	0.992	0.994
52500.0	0.001	0.012	0.095	0.192	0.340	0.492	0.651	0.756	0.810	0.884	0.915	0.941	0.959	0.975	0.983
53000.0	0.000	0.002	0.075	0.150	0.281	0.390	0.495	0.621	0.707	0.771	0.864	0.886	0.914	0.948	0.963
53500.0	0.001	0.011	0.063	0.111	0.260	0.369	0.458	0.590	0.676	0.751	0.850	0.875	0.910	0.944	0.960
54000.0	0.002	0.027	0.076	0.187	0.333	0.465	0.586	0.717	0.793	0.851	0.906	0.926	0.954	0.972	0.981
54500.0	0.012	0.086	0.163	0.252	0.459	0.644	0.759	0.859	0.906	0.936	0.963	0.970	0.983	0.987	0.985
55000.0	0.055	0.172	0.230	0.355	0.520	0.637	0.729	0.819	0.871	0.909	0.943	0.960	0.972	0.983	0.988
55500.0	0.123	0.267	0.378	0.501	0.644	0.736	0.807	0.875	0.911	0.938	0.961	0.971	0.981	0.989	0.993
56000.0	0.270	0.441	0.562	0.666	0.775	0.837	0.885	0.926	0.948	0.965	0.979	0.986	0.991	0.995	0.997
56500.0	0.529	0.666	0.748	0.815	0.860	0.915	0.943	0.965	0.976	0.984	0.991	0.994	0.997	0.998	0.999
57000.0	0.704	0.815	0.869	0.908	0.945	0.967	0.975	0.986	0.991	0.994	0.996	0.997	0.999	1.000	1.000
57500.0	0.752	0.845	0.889	0.923	0.953	0.969	0.980	0.989	0.993	0.996	0.998	0.999	1.000	1.000	1.000
58000.0	0.837	0.901	0.932	0.954	0.973	0.982	0.989	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
58500.0	0.875	0.925	0.950	0.966	0.981	0.988	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
59000.0	0.897	0.939	0.959	0.972	0.984	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
59500.0	0.882	0.931	0.953	0.968	0.981	0.987	0.992	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000
60000.0	0.855	0.897	0.927	0.950	0.969	0.979	0.986	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
60500.0	0.857	0.899	0.929	0.951	0.971	0.980	0.987	0.993	0.995	0.997	0.999	0.999	1.000	1.000	1.000
61000.0	0.781	0.853	0.895	0.925	0.953	0.968	0.978	0.988	0.992	0.995	0.998	0.998	1.000	1.000	1.000
61500.0	0.795	0.855	0.880	0.914	0.944	0.962	0.976	0.985	0.991	0.994	0.997	0.999	0.999	1.000	1.000
62000.0	0.815	0.854	0.896	0.926	0.953	0.968	0.979	0.987	0.992	0.995	0.998	0.999	1.000	1.000	1.000
62500.0	0.728	0.820	0.871	0.909	0.945	0.963	0.975	0.986	0.991	0.995	0.998	0.999	0.999	1.000	1.000
63000.0	0.663	0.778	0.843	0.886	0.930	0.953	0.969	0.983	0.990	0.994	0.997	0.999	0.999	1.000	1.000
63500.0	0.562	0.711	0.790	0.850	0.907	0.937	0.959	0.978	0.987	0.992	0.997	0.998	0.999	1.000	1.000
64000.0	0.543	0.686	0.764	0.830	0.893	0.927	0.952	0.974	0.984	0.991	0.996	0.998	0.999	1.000	1.000
64500.0	0.501	0.644	0.734	0.806	0.876	0.916	0.942	0.968	0.981	0.989	0.995	0.997	0.999	1.000	1.000
65000.0	0.502	0.649	0.739	0.810	0.883	0.917	0.943	0.969	0.981	0.989	0.995	0.997	0.999	1.000	1.000
65500.0	0.546	0.687	0.771	0.836	0.897	0.929	0.951	0.971	0.983	0.990	0.995	0.998	0.999	1.000	1.000
66000.0	0.570	0.707	0.787	0.848	0.906	0.935	0.956	0.975	0.984	0.990	0.995	0.997	0.999	0.999	1.000
66500.0	0.529	0.672	0.758	0.827	0.892	0.926	0.950	0.971	0.981	0.988	0.994	0.997	0.998	0.999	1.000
67000.0	0.394	0.556	0.667	0.756	0.863	0.900	0.929	0.954	0.969	0.980	0.989	0.993	0.996	0.998	0.999
67500.0	0.296	0.454	0.567	0.701	0.805	0.867	0.904	0.935	0.957	0.972	0.984	0.990	0.994	0.997	0.998
68000.0	0.303	0.476	0.598	0.701	0.803	0.862	0.903	0.940	0.959	0.977	0.986	0.989	0.993	0.997	0.998
68500.0	0.224	0.377	0.495	0.604	0.726	0.798	0.864	0.907	0.935	0.955	0.973	0.982	0.988	0.994	0.996
69000.0	0.186	0.315	0.432	0.544	0.663	0.744	0.828	0.890	0.923	0.944	0.967	0.978	0.986	0.992	0.995
69500.0	0.175	0.295	0.402	0.502	0.612	0.687	0.788	0.870	0.910	0.938	0.964	0.976	0.985	0.991	0.995
70000.0	0.104	0.243	0.369	0.448	0.549	0.760	0.817	0.880	0.916	0.941	0.965	0.977	0.985	0.992	0.995
70500.0	0.032	0.159	0.256	0.383	0.350	0.459	0.767	0.835	0.872	0.911	0.944	0.965	0.977	0.987	0.992
71000.0	0.027	0.102	0.198	0.319	0.487	0.603	0.702	0.803	0.859	0.900	0.938	0.957	0.971	0.984	0.990
71500.0	0.012	0.060	0.145	0.251	0.419	0.544	0.653	0.769	0.834	0.882	0.927	0.950	0.966	0.980	0.988
72000.0	0.009	0.023	0.063	0.131	0.258	0.375	0.495	0.661	0.732	0.804	0.874	0.911	0.938	0.963	0.975
72500.0	0.011	0.046	0.127	0.207	0.336	0.445	0.554	0.683	0.763	0.827	0.888	0.921	0.945	0.967	0.978

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
							U(P,R,CM.)								
7300.0	0.021	0.086	0.174	0.289	0.457	0.577	0.682	0.789	0.849	0.893	0.933	0.954	0.969	0.981	0.988
7350.0	0.006	0.042	0.109	0.230	0.376	0.508	0.624	0.744	0.818	0.870	0.918	0.943	0.961	0.977	0.985
7400.0	0.023	0.072	0.156	0.252	0.446	0.567	0.676	0.784	0.845	0.890	0.931	0.952	0.968	0.981	0.988
7450.0	0.027	0.107	0.231	0.338	0.510	0.626	0.722	0.818	0.870	0.909	0.944	0.961	0.974	0.986	0.991
7500.0	0.116	0.242	0.357	0.476	0.622	0.715	0.780	0.864	0.903	0.932	0.958	0.972	0.981	0.989	0.993
7550.0	0.216	0.392	0.520	0.632	0.750	0.817	0.869	0.918	0.943	0.960	0.976	0.984	0.989	0.994	0.996
7600.0	0.316	0.464	0.597	0.692	0.770	0.834	0.882	0.926	0.948	0.964	0.978	0.985	0.990	0.994	0.996
7650.0	0.355	0.495	0.631	0.715	0.810	0.864	0.904	0.940	0.959	0.971	0.982	0.988	0.992	0.995	0.997
7700.0	0.399	0.543	0.733	0.804	0.873	0.910	0.937	0.961	0.973	0.981	0.989	0.993	0.995	0.998	0.999
7750.0	0.710	0.804	0.863	0.903	0.940	0.959	0.972	0.983	0.988	0.993	0.996	0.998	0.999	1.000	1.000
7800.0	0.854	0.909	0.939	0.956	0.977	0.986	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
7850.0	0.916	0.951	0.968	0.980	0.990	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
7900.0	0.933	0.962	0.976	0.985	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
7950.0	0.950	0.972	0.982	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8000.0	0.964	0.979	0.988	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8050.0	0.974	0.949	0.966	0.977	0.986	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
8100.0	0.676	0.923	0.962	0.984	0.978	0.986	0.991	0.995	0.996	0.998	0.999	1.000	1.000	1.000	1.000
8150.0	0.855	0.960	0.978	0.988	0.994	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
8200.0	0.936	0.960	0.985	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
8250.0	0.947	0.980	0.987	0.992	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8300.0	0.895	0.979	0.855	0.897	0.935	0.955	0.969	0.981	0.988	0.992	0.996	0.998	0.999	0.999	1.000
8350.0	0.817	0.711	0.800	0.853	0.905	0.933	0.953	0.971	0.980	0.987	0.993	0.996	0.997	0.999	0.999
8400.0	0.592	0.711	0.784	0.841	0.897	0.927	0.948	0.968	0.978	0.986	0.992	0.995	0.997	0.999	0.999
8450.0	0.533	0.754	0.820	0.871	0.918	0.943	0.960	0.976	0.984	0.989	0.994	0.996	0.998	0.999	1.000
8500.0	0.661	0.772	0.835	0.882	0.925	0.948	0.964	0.979	0.986	0.991	0.995	0.997	0.998	0.999	1.000
8550.0	0.672	0.781	0.844	0.888	0.929	0.951	0.966	0.980	0.987	0.992	0.996	0.998	0.999	1.000	1.000
8600.0	0.641	0.751	0.823	0.876	0.920	0.945	0.962	0.978	0.986	0.991	0.996	0.998	0.999	1.000	1.000
8650.0	0.661	0.774	0.839	0.886	0.927	0.950	0.966	0.980	0.987	0.992	0.996	0.998	0.999	1.000	1.000
8700.0	0.316	0.468	0.734	0.823	0.887	0.921	0.945	0.967	0.978	0.986	0.992	0.995	0.997	0.999	0.999
8750.0	0.452	0.609	0.702	0.781	0.858	0.900	0.930	0.958	0.972	0.982	0.990	0.994	0.996	0.998	0.999
8800.0	0.376	0.526	0.628	0.716	0.808	0.861	0.901	0.938	0.957	0.971	0.984	0.989	0.993	0.997	0.998
8850.0	0.516	0.560	0.661	0.767	0.826	0.874	0.910	0.943	0.961	0.975	0.986	0.992	0.995	0.998	0.998
8900.0	0.644	0.621	0.718	0.795	0.868	0.907	0.935	0.961	0.973	0.982

WATER VAPOR AT 0.02 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER 100cm⁻¹

FREQ.	UPR.CM.] 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1050.0	0.943	0.976	0.986	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
1100.0	0.927	0.968	0.984	0.989	0.992	0.993	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
1150.0	0.861	0.934	0.959	0.968	0.976	0.979	0.988	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000
1200.0	0.753	0.862	0.906	0.919	0.940	0.950	0.968	0.982	0.990	0.994	0.997	0.998	0.999	1.000	1.000
1250.0	0.555	0.695	0.776	0.804	0.845	0.874	0.924	0.960	0.978	0.989	0.995	0.997	0.999	0.999	1.000
1300.0	0.308	0.471	0.583	0.628	0.679	0.717	0.787	0.862	0.909	0.947	0.978	0.989	0.996	0.998	0.999
1350.0	0.111	0.223	0.328	0.362	0.426	0.482	0.585	0.707	0.800	0.878	0.947	0.975	0.992	0.997	0.999
1400.0	0.036	0.062	0.139	0.150	0.198	0.242	0.339	0.469	0.589	0.717	0.860	0.936	0.981	0.994	0.998
1450.0	0.011	0.017	0.054	0.059	0.080	0.102	0.152	0.232	0.329	0.457	0.662	0.821	0.955	0.988	0.996
1500.0	0.003	0.005	0.021	0.023	0.032	0.043	0.069	0.113	0.169	0.252	0.419	0.611	0.880	0.969	0.991
1550.0	0.002	0.002	0.009	0.010	0.014	0.019	0.032	0.055	0.087	0.139	0.249	0.396	0.732	0.919	0.976
1600.0	0.002	0.002	0.004	0.004	0.006	0.008	0.015	0.027	0.045	0.076	0.145	0.249	0.555	0.833	0.945
1650.0	0.002	0.002	0.002	0.002	0.003	0.004	0.007	0.013	0.023	0.041	0.082	0.151	0.391	0.715	0.894
1700.0	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.006	0.011	0.021	0.045	0.089	0.266	0.585	0.827
1750.0	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.005	0.010	0.024	0.051	0.178	0.469	0.753
1800.0	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.005	0.012	0.028	0.117	0.368	0.672
1850.0	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.006	0.014	0.075	0.285	0.591
1900.0	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.007	0.047	0.218	0.513
1950.0	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.029	0.165	0.439
2000.0	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.018	0.125	0.370
2050.0	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.011	0.094	0.307
2100.0	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.007	0.070	0.252
2150.0	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.051	0.204
2200.0	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.036	0.163
2250.0	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.025	0.128
2300.0	0.401	0.935	0.956	0.971	0.981	0.988	0.992	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2350.0	0.933	0.969	0.972	0.981	0.988	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2400.0	0.967	0.980	0.977	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2450.0	0.969	0.987	0.980	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2500.0	0.976	0.989	0.982	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2550.0	0.968	0.981	0.967	0.989	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2600.0	0.958	0.981	0.974	0.982	0.989	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2650.0	0.918	0.952	0.966	0.976	0.985	0.990	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
2700.0	0.796	0.896	0.926	0.947	0.967	0.978	0.985	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2750.0	0.604	0.771	0.828	0.934	0.959	0.972	0.981	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000
2800.0	0.819	0.882	0.902	0.942	0.965	0.978	0.986	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2850.0	0.784	0.862	0.902	0.932	0.957	0.972	0.984	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000
2900.0	0.738	0.836	0.868	0.901	0.941	0.960	0.972	0.984	0.989	0.993	0.996	0.997	0.999	0.999	1.000
2950.0	0.629	0.754	0.823	0.870	0.921	0.944	0.964	0.979	0.987	0.992	0.995	0.997	0.999	0.999	1.000
3000.0	0.530	0.660	0.745	0.812	0.877	0.911	0.947	0.971	0.984	0.991	0.994	0.997	0.998	0.999	1.000
3050.0	0.401	0.552	0.648	0.732	0.818	0.868	0.920	0.959	0.979	0.988	0.993	0.996	0.998	0.999	1.000
3100.0	0.283	0.419	0.548	0.649	0.756	0.821	0.886	0.942	0.970	0.984	0.991	0.995	0.997	0.999	1.000
3150.0	0.210	0.342	0.469	0.577	0.700	0.778	0.851	0.921	0.959	0.979	0.989	0.994	0.997	0.999	1.000
3200.0	0.268	0.404	0.536	0.644	0.762	0.833	0.895	0.944	0.970	0.984	0.991	0.995	0.997	0.999	1.000
3250.0	0.368	0.508	0.636	0.709	0.802	0.855	0.905	0.947	0.970	0.983	0.990	0.994	0.997	0.999	1.000
3300.0	0.470	0.595	0.704	0.765	0.835	0.877	0.917	0.951	0.971	0.982	0.989	0.994	0.996	0.998	1.000
3350.0	0.578	0.684	0.774	0.824	0.870	0.898	0.928	0.955	0.972	0.982	0.989	0.993	0.996	0.998	1.000
3400.0	0.702	0.779	0.839	0.884	0.907	0.923	0.940	0.960	0.974	0.983	0.989	0.993	0.996	0.998	1.000
3450.0	0.805	0.861	0.895	0.926	0.944	0.951	0.953	0.965	0.976	0.984	0.989	0.993	0.996	0.998	1.000
3500.0	0.872	0.902	0.924	0.952	0.965	0.969	0.966	0.970	0.978	0.985	0.990	0.993	0.996	0.998	1.000
3550.0	0.901	0.918	0.938	0.963	0.974	0.976	0.973	0.974	0.980	0.986	0.990	0.994	0.996	0.998	1.000
3600.0	0.908	0.923	0.945	0.969	0.979	0.980	0.978	0.978	0.982	0.987	0.991	0.994	0.996	0.998	1.000
3650.0	0.906	0.924	0.948	0.972	0.981	0.982	0.981	0.981	0.984	0.988	0.991	0.994	0.996	0.998	1.000
3700.0	0.902	0.923	0.949	0.973	0.982	0.983	0.983	0.983	0.985	0.989	0.992	0.994	0.996	0.998	1.000
3750.0	0.898	0.921	0.949	0.973	0.982	0.984	0.984	0.984	0.986	0.989	0.992	0.994	0.996	0.998	1.000
3800.0	0.894	0.918	0.947	0.972	0.981	0.984	0.985	0.985	0.987	0.990	0.992	0.995	0.997	0.998	1.000
3850.0	0.890	0.915	0.945	0.971	0.981	0.984	0.985	0.986	0.988	0.990	0.993	0.995	0.997	0.998	1.000
3900.0	0.886	0.912	0.943	0.970	0.980	0.984	0.986	0.986	0.988	0.991	0.993	0.995	0.997	0.998	1.000
3950.0	0.882	0.909	0.941	0.969	0.980	0.984	0.986	0.987	0.989	0.991	0.993	0.995	0.997	0.998	1.000
4000.0	0.878	0.906	0.939	0.968	0.979	0.983	0.986	0.987	0.989	0.991	0.993	0.995	0.997	0.998	1.000
4050.0	0.874	0.903	0.937	0.967	0.978	0.983	0.986	0.987	0.990	0.992	0.994	0.996	0.997	0.998	1.000
4100.0	0.870	0.900	0.935	0.966	0.978	0.983	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
4150.0	0.866	0.897	0.933	0.965	0.977	0.982	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
4200.0	0.862	0.894	0.931	0.964	0.977	0.982	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
4250.0	0.858	0.891	0.929	0.963	0.976	0.982	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
4300.0	0.854	0.888	0.927	0.962	0.976	0.981	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
4350.0	0.850	0.885	0.925	0.961	0.975	0.981	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
4400.0	0.846	0.882	0.923	0.960	0.975	0.981	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
4450.0	0.842	0.879	0.921	0.959	0.974	0.981	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
4500.0	0.838	0.876	0.919	0.958	0.974	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
4550.0	0.834	0.873	0.917	0.957	0.973	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
4600.0	0.830	0.870	0.915	0.956	0.973	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
4650.0	0.826	0.867	0.913	0.955	0.972	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
4700.0	0.822	0.864	0.911	0.954	0.972	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
4750.0	0.818	0.861	0.909	0.953	0.971	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
4800.0	0.814	0.858	0.907	0.952	0.971	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
4850.0	0.810	0.855	0.905	0.951	0.970	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
4900.0	0.806	0.852	0.903	0.950	0.970	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
4950.0	0.802	0.849	0.901	0.949	0.969	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
5000.0	0.798	0.846	0.899	0.948	0.969	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
5050.0	0.794	0.843	0.897	0.947	0.968	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
5100.0	0.790	0.840	0.895	0.946	0.968	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
5150.0	0.786	0.837	0.893	0.945	0.967	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
5200.0	0.782	0.834	0.891	0.944	0.967	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
5250.0	0.778	0.831	0.889	0.943	0.966	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
5300.0	0.774	0.828	0.887	0.942	0.966	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
5350.0	0.770	0.825	0.885	0.941	0.965	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
5400.0	0.766	0.822	0.883	0.940	0.965	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
5450.0	0.762	0.819	0.881	0.939	0.964	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
5500.0	0.758	0.816	0.879	0.938	0.964	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
5550.0	0.754	0.813	0.877	0.937	0.963	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
5600.0	0.750	0.810	0.875	0.936	0.963	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
5650.0	0.746	0.807	0.873	0.935	0.962	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
5700.0	0.742	0.804	0.871	0.934	0.962	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
5750.0	0.738	0.801	0.869	0.933	0.961	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
5800.0	0.734	0.798	0.867	0.932	0.961	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
5850.0	0.730	0.795	0.865	0.931	0.960	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
5900.0	0.726	0.792	0.863	0.930	0.960	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
5950.0	0.722	0.789	0.861	0.929	0.959	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
6000.0	0.718	0.786	0.859	0.928	0.959	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
6050.0	0.714	0.783	0.857	0.927	0.958	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
6100.0	0.710	0.780	0.855	0.926	0.958	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
6150.0	0.706	0.777	0.853	0.925	0.957	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
6200.0	0.702	0.774	0.851	0.924	0.957	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
6250.0	0.698	0.771	0.849	0.923	0.956	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
6300.0	0.694	0.768	0.847	0.922	0.956	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
6350.0	0.690	0.765	0.845	0.921	0.955	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
6400.0	0.686	0.762	0.843	0.920	0.955	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
6450.0	0.682	0.759	0.841	0.919	0.954	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
6500.0	0.678	0.756	0.839	0.918	0.954	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
6550.0	0.674	0.753	0.837	0.917	0.953	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
6600.0	0.670	0.750	0.835	0.916	0.953	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
6650.0	0.666	0.747	0.833	0.915	0.952	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
6700.0	0.662	0.744	0.831	0.914	0.952	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
6750.0	0.658	0.741	0.829	0.913	0.951	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
6800.0	0.654	0.738	0.827	0.912	0.951	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
6850.0	0.650	0.735	0.825	0.911	0.950	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
6900.0	0.646	0.732	0.823	0.910	0.950	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
6950.0	0.642	0.729	0.821	0.909	0.949	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
7000.0	0.638	0.726	0.819	0.908	0.949	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
7050.0	0.634	0.723	0.817	0.907	0.948	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
7100.0	0.630	0.720	0.815	0.906	0.948	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
7150.0	0.626	0.717	0.813	0.905	0.947	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
7200.0	0.622	0.714	0.811	0.904	0.947	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000
7250.0	0.618	0.711	0.809	0.903	0.946	0.980	0.986	0.988	0.990	0.992	0.994	0.996	0.997	0.998	1.000

WATER VAPOR 0.01 ATMOSPHERE PRESSURE

T=300° K

AVERAGED OVER 100cm^{-1}

FREQ.	U[PR.CM.] 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
9650.0	0.976	0.986	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9700.0	0.980	0.988	0.989	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9750.0	0.982	0.988	0.990	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9800.0	0.983	0.989	0.990	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9850.0	0.984	0.989	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9900.0	0.984	0.990	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9950.0	0.985	0.990	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
10000.0	0.985	0.990	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
10050.0	0.985	0.990	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
10100.0	0.985	0.990	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
10150.0	0.985	0.990	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
10200.0	0.985	0.990	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
10250.0	0.985	0.990	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000

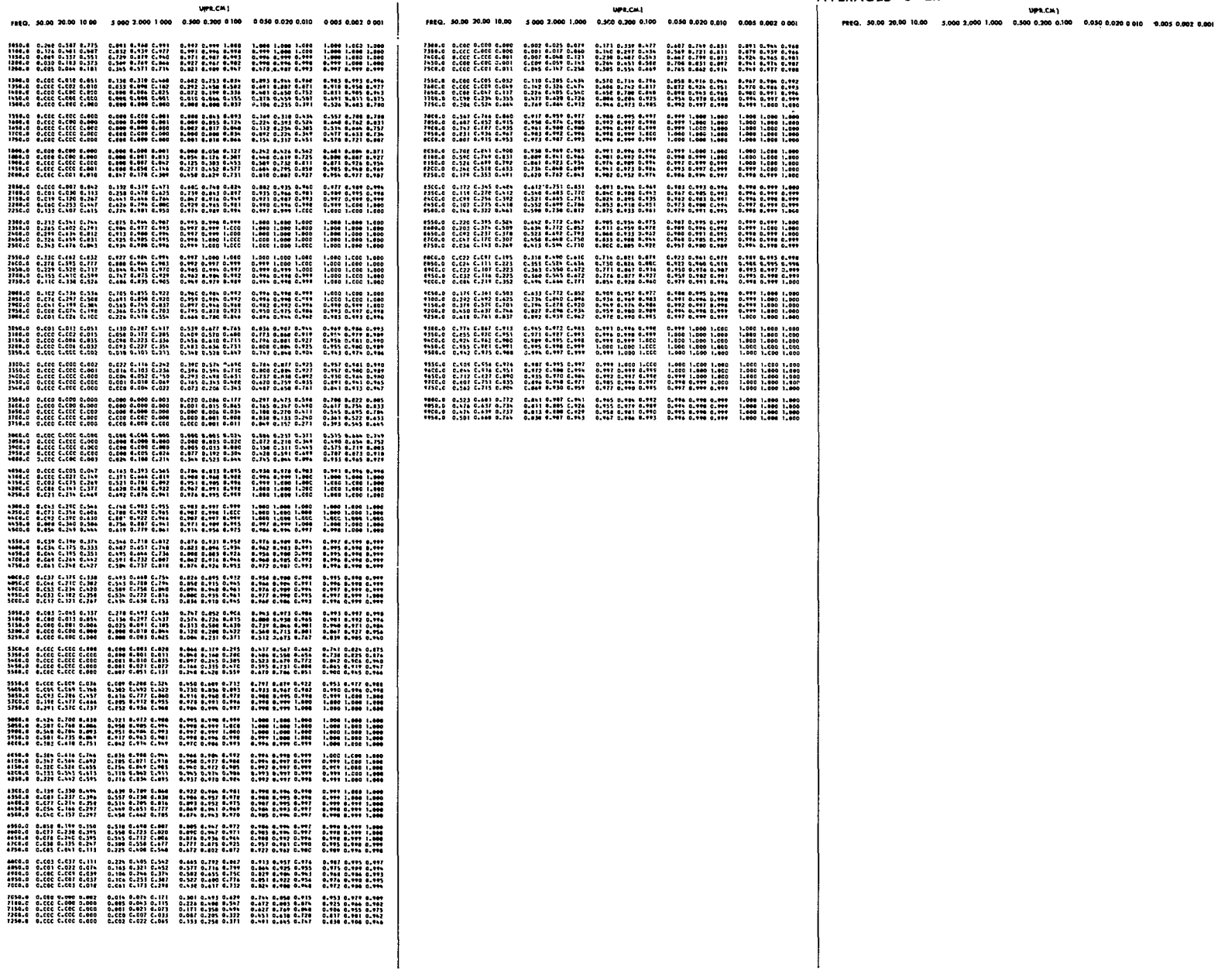
FREQ.	U[PR.CM.] 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
7300.0	0.122	0.326	0.532	0.570	0.702	0.779	0.839	0.896	0.926	0.968	0.988	0.996	0.998	0.999	0.999
7350.0	0.107	0.284	0.474	0.521	0.668	0.757	0.827	0.893	0.927	0.971	0.991	0.997	0.999	0.999	0.999
7400.0	0.155	0.309	0.537	0.559	0.693	0.775	0.835	0.895	0.926	0.969	0.989	0.997	0.999	0.999	0.999
7450.0	0.209	0.374	0.593	0.617	0.739	0.808	0.861	0.911	0.937	0.974	0.989	0.997	0.999	0.999	0.999
7500.0	0.256	0.369	0.617	0.709	0.803	0.857	0.897	0.934	0.953	0.979	0.990	0.996	0.998	0.999	0.999
7550.0	0.316	0.458	0.715	0.812	0.877	0.911	0.937	0.960	0.972	0.985	0.988	0.992	0.994	0.997	0.998
7600.0	0.364	0.526	0.786	0.859	0.908	0.930	0.943	0.964	0.975	0.983	0.989	0.993	0.995	0.997	0.998
7650.0	0.458	0.732	0.905	0.951	0.969	0.973	0.976	0.980	0.980	0.986	0.992	0.994	0.996	0.998	0.998
7700.0	0.575	0.875	0.958	0.980	0.987	0.985	0.985	0.987	0.987	0.991	0.995	0.996	0.998	0.999	0.999
7750.0	0.653	0.926	0.982	0.992	0.993	0.991	0.990	0.992	0.992	0.994	0.997	0.998	0.999	1.000	1.000
7800.0	0.924	0.985	0.996	0.998	0.998	0.997	0.997	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
7850.0	0.956	0.993	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
7900.0	0.964	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7950.0	0.972	0.996	0.998	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8000.0	0.972	0.995	0.998	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8050.0	0.956	0.976	0.982	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
8100.0	0.939	0.962	0.975	0.987	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
8150.0	0.926	0.953	0.969	0.980	0.985	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
8200.0	0.924	0.956	0.974	0.984	0.988	0.991	0.993	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000
8250.0	0.934	0.964	0.978	0.985	0.990	0.992	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000
8300.0	0.949	0.972	0.982	0.989	0.992	0.994	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
8350.0	0.959	0.977	0.986	0.991	0.993	0.995	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
8400.0	0.964	0.980	0.988	0.992	0.994	0.996	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000
8450.0	0.967	0.982	0.989	0.993	0.995	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
8500.0	0.969	0.983	0.990	0.994	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
8550.0	0.969	0.984	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
8600.0	0.969	0.984	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
8650.0	0.969	0.984	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
8700.0	0.969	0.984	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
8750.0	0.969	0.984	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
8800.0	0.969	0.984	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
8850.0	0.969	0.984	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
8900.0	0.969	0.984	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
8950.0	0.969	0.984	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9000.0	0.969	0.984	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9050.0	0.969	0.984	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9100.0	0.971	0.984	0.991	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9150.0	0.970	0.982	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9200.0	0.967	0.980	0.987	0.992	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9250.0	0.965	0.980	0.987	0.992	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9300.0	0.965	0.984	0.991	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9350.0	0.975	0.989	0.993	0.996	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9400.0	0.981	0.992	0.995	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9450.0	0.986	0.994	0.996	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9500.0	0.989	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9550.0	0.985	0.991	0.994	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9600.0	0.978	0.986	0.991	0.995	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9650.0	0.971	0.982	0.989	0.993	0.995	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9700.0	0.964	0.979	0.986	0.992	0.994	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9750.0	0.963	0.965	0.975	0.985	0.987	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9800.0	0.935	0.956	0.969	0.978	0.982	0.985	0.988	0.992	0.994	0.997	0.998	0.999	1.000	1.000	1.000
9850.0	0.913	0.943	0.963	0.973	0.980	0.983	0.987	0.991	0.993	0.996	0.998	0.999	1.000	1.000	1.000
9900.0	0.909	0.943	0.965	0.972	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9950.0	0.911	0.945	0.962	0.974	0.984	0.988	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000

FREQ.	U[PR.CM.] 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001

WATER VAPOR AT 1.00 ATMOSPHERE PRESSURE

T=250° K

AVERAGED OVER 100cm^{-1}



WATER VAPOR AT 0.50 ATMOSPHERE PRESSURE

T=250° K

AVERAGED OVER $100cm^{-1}$

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1050.0	0.507	0.764	0.881	0.948	0.987	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1150.0	0.197	0.475	0.719	0.908	0.969	0.986	0.992	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000
1250.0	0.059	0.226	0.504	0.831	0.923	0.958	0.976	0.988	0.993	0.997	0.999	0.999	1.000	1.000	1.000
1200.0	0.128	0.358	0.597	0.870	0.949	0.974	0.986	0.993	0.995	0.998	0.999	1.000	1.000	1.000	1.000
1250.0	0.038	0.171	0.387	0.792	0.890	0.936	0.962	0.983	0.991	0.996	0.998	0.999	0.999	0.999	0.999
1350.0	0.004	0.041	0.123	0.243	0.428	0.568	0.680	0.799	0.864	0.911	0.951	0.971	0.986	0.993	0.996
1350.0	0.001	0.010	0.038	0.071	0.166	0.267	0.386	0.547	0.659	0.752	0.864	0.894	0.932	0.964	0.979
1400.0	0.000	0.002	0.010	0.020	0.057	0.104	0.165	0.310	0.452	0.563	0.725	0.806	0.868	0.923	0.954
1450.0	0.000	0.000	0.002	0.005	0.018	0.041	0.070	0.192	0.320	0.445	0.646	0.746	0.824	0.892	0.930
1500.0	0.000	0.000	0.000	0.002	0.006	0.016	0.031	0.134	0.248	0.376	0.597	0.709	0.794	0.870	0.914
1550.0	0.000	0.000	0.000	0.000	0.001	0.007	0.015	0.099	0.221	0.350	0.589	0.709	0.800	0.882	0.932
1600.0	0.000	0.000	0.000	0.000	0.001	0.009	0.018	0.119	0.275	0.435	0.709	0.830	0.909	0.957	0.977
1650.0	0.000	0.000	0.000	0.000	0.000	0.002	0.011	0.065	0.196	0.331	0.571	0.698	0.813	0.908	0.951
1700.0	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.033	0.089	0.182	0.391	0.548	0.682	0.812	0.890
1750.0	0.000	0.000	0.000	0.000	0.000	0.001	0.010	0.064	0.145	0.264	0.538	0.661	0.769	0.862	0.917
1800.0	0.000	0.000	0.000	0.000	0.000	0.001	0.007	0.032	0.121	0.231	0.362	0.539	0.656	0.752	0.844
1850.0	0.000	0.000	0.000	0.000	0.000	0.010	0.052	0.133	0.292	0.429	0.558	0.702	0.787	0.852	0.911
1900.0	0.000	0.000	0.000	0.000	0.000	0.003	0.021	0.094	0.237	0.373	0.524	0.695	0.806	0.883	0.932
1950.0	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.042	0.144	0.264	0.466	0.644	0.771	0.870	0.927
2000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.016	0.066	0.144	0.341	0.546	0.702	0.821	0.898
2050.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.027	0.066	0.227	0.440	0.624	0.764	0.862
2100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.009	0.029	0.135	0.337	0.538	0.701	0.819
2150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.011	0.071	0.243	0.450	0.634	0.771
2200.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.034	0.158	0.362	0.564	0.720
2250.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.014	0.094	0.276	0.492	0.668
2300.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.053	0.208	0.419	0.614
2350.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.028	0.154	0.350	0.559
2400.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.014	0.111	0.289	0.504
2450.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.080	0.238	0.452
2500.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.057	0.195	0.404
2550.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.040	0.159	0.360
2600.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.128	0.319
2650.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.101	0.281
2700.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.078	0.245
2750.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.059	0.211
2800.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.043	0.180
2850.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.031	0.152
2900.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.021	0.127
2950.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.105
3000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.086
3050.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.070
3100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.057
3150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.046
3200.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.037
3250.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.029
3300.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.023
3350.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018
3400.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014
3450.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011
3500.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009
3550.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007
3600.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005
3650.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004
3700.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003
3750.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002
3800.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002
3850.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
3900.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
3950.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
4000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4050.0	0.002	0.005	0.158	0.324	0.553	0.688	0.791	0.888	0.933	0.961	0.976	0.985	0.991	0.994	0.998
4100.0	0.011	0.041	0.158	0.369	0.605	0.747	0.858	0.933	0.972	0.987	0.999	1.000	1.000	1.000	1.000
4150.0	0.038	0.119	0.298	0.519	0.696	0.817	0.910	0.965	0.986	0.997	1.000	1.000	1.000	1.000	1.000
4200.0	0.089	0.219	0.408	0.619	0.776	0.867	0.940	0.979	0.993	0.999	1.000	1.000	1.000	1.000	1.000
4250.0	0.162	0.303	0.488	0.690	0.840	0.905	0.961	0.988	0.997	1.000	1.000	1.000	1.000	1.000	1.000
4300.0	0.209	0.344	0.764	0.876	0.935	0.962	0.985	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4350.0	0.203	0.324	0.696	0.814	0.895	0.934	0.967	0.992	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4400.0	0.203	0.324	0.696	0.814	0.895	0.934	0.967	0.992	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4450.0	0.229	0.353	0.745	0.853	0.921	0.952	0.979	0.995	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4500.0	0.285	0.435	0.837	0.926	0.965	0.978	0.987	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4550.0	0.382	0.566	0.911	0.969	0.988	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4600.0	0.525	0.743	0.963	0.989	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4650.0	0.705	0.878	0.985	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4700.0	0.844	0.948	0.995	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4750.0	0.923	0.980	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4800.0	0.964	0.993	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4850.0	0.983	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4900.0	0.993	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4950.0	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5000.0	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5050.0	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5100.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5150.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5200.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5250.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5300.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5350.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5400.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5450.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5500.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5550.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5600.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5650.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5700.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5750.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5800.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5850.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5900.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5950.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6000.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6050.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6100.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6150.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6200.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6250.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6300.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6350.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6400.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6450.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6500.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6550.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6600.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6650.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6700.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6750.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6800.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6850.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6900.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6950.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7000.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7050.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7100.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7150.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7200.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7250.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7300.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7350.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7400.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7450.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7500.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7550.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7600.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7650.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7700.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7750.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7800.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7850.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7900.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7950.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8000.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8050.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8100.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8150.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8200.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8250.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8300.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8350.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8400.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8450.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8500.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8550.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8600.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8650.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8700.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8750.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8800.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8850.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8900.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8950.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9000.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

WATER VAPOR AT 0.20 ATMOSPHERE PRESSURE
T=250° K
AVERAGED OVER 100cm^{-1}

FREQ	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1050.0	0.758	0.644	0.554	0.981	0.942	0.895	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1100.0	0.654	0.542	0.456	0.958	0.900	0.828	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
1150.0	0.514	0.397	0.314	0.904	0.812	0.703	0.981	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000
1200.0	0.344	0.242	0.173	0.820	0.699	0.553	0.956	0.976	0.986	0.992	0.996	0.998	0.999	1.000	1.000
1250.0	0.182	0.104	0.060	0.695	0.566	0.402	0.899	0.941	0.963	0.977	0.989	0.994	0.997	0.999	0.999
1300.0	0.063	0.031	0.019	0.554	0.432	0.280	0.776	0.852	0.899	0.933	0.962	0.976	0.986	0.996	0.998
1350.0	0.024	0.014	0.010	0.436	0.326	0.200	0.618	0.719	0.785	0.850	0.925	0.957	0.975	0.992	0.996
1400.0	0.020	0.013	0.009	0.351	0.260	0.166	0.509	0.618	0.690	0.778	0.878	0.927	0.956	0.985	0.992
1450.0	0.020	0.013	0.009	0.301	0.224	0.147	0.450	0.557	0.630	0.729	0.844	0.904	0.943	0.979	0.988
1500.0	0.020	0.013	0.009	0.280	0.210	0.140	0.426	0.529	0.600	0.701	0.824	0.890	0.935	0.975	0.986
1550.0	0.020	0.013	0.009	0.276	0.208	0.139	0.421	0.523	0.594	0.695	0.819	0.886	0.932	0.974	0.985
1600.0	0.020	0.013	0.009	0.276	0.208	0.139	0.421	0.523	0.594	0.695	0.819	0.886	0.932	0.974	0.985
1650.0	0.020	0.013	0.009	0.276	0.208	0.139	0.421	0.523	0.594	0.695	0.819	0.886	0.932	0.974	0.985
1700.0	0.020	0.013	0.009	0.276	0.208	0.139	0.421	0.523	0.594	0.695	0.819	0.886	0.932	0.974	0.985
1750.0	0.020	0.013	0.009	0.276	0.208	0.139	0.421	0.523	0.594	0.695	0.819	0.886	0.932	0.974	0.985
1800.0	0.020	0.013	0.009	0.276	0.208	0.139	0.421	0.523	0.594	0.695	0.819	0.886	0.932	0.974	0.985
1850.0	0.020	0.013	0.009	0.276	0.208	0.139	0.421	0.523	0.594	0.695	0.819	0.886	0.932	0.974	0.985
1900.0	0.020	0.013	0.009	0.276	0.208	0.139	0.421	0.523	0.594	0.695	0.819	0.886	0.932	0.974	0.985
1950.0	0.020	0.013	0.009	0.276	0.208	0.139	0.421	0.523	0.594	0.695	0.819	0.886	0.932	0.974	0.985
2000.0	0.020	0.013	0.009	0.276	0.208	0.139	0.421	0.523	0.594	0.695	0.819	0.886	0.932	0.974	0.985
2050.0	0.034	0.160	0.299	0.444	0.617	0.718	0.795	0.868	0.907	0.936	0.962	0.975	0.986	0.992	0.995
2100.0	0.101	0.267	0.444	0.585	0.728	0.804	0.861	0.913	0.941	0.961	0.978	0.986	0.992	0.996	0.998
2150.0	0.210	0.443	0.607	0.720	0.829	0.876	0.915	0.949	0.967	0.979	0.990	0.994	0.997	0.999	0.999
2200.0	0.419	0.637	0.754	0.836	0.902	0.933	0.956	0.976	0.985	0.990	0.996	0.998	0.999	1.000	1.000
2250.0	0.579	0.774	0.862	0.915	0.952	0.969	0.981	0.990	0.995	0.997	0.999	1.000	1.000	1.000	1.000
2300.0	0.713	0.874	0.940	0.970	0.986	0.992	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2350.0	0.787	0.931	0.964	0.985	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2400.0	0.849	0.972	0.983	0.988	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2450.0	0.922	0.990	0.992	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2500.0	0.833	0.967	0.984	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2550.0	0.807	0.974	0.971	0.986	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2600.0	0.734	0.947	0.931	0.959	0.979	0.988	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2650.0	0.633	0.879	0.859	0.902	0.949	0.968	0.984	0.993	0.997	0.999	1.000	1.000	1.000	1.000	1.000
2700.0	0.540	0.759	0.799	0.860	0.919	0.948	0.969	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2750.0	0.543	0.692	0.765	0.823	0.893	0.931	0.958	0.980	0.990	0.995	0.998	0.999	1.000	1.000	1.000
2800.0	0.464	0.654	0.782	0.839	0.907	0.943	0.967	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2850.0	0.533	0.691	0.751	0.836	0.907	0.944	0.967	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2900.0	0.531	0.744	0.673	0.776	0.866	0.911	0.942	0.967	0.979	0.989	0.996	0.998	0.999	1.000	1.000
2950.0	0.175	0.379	0.531	0.662	0.786	0.851	0.897	0.937	0.957	0.971	0.986	0.990	0.996	0.997	0.999
3000.0	0.089	0.269	0.390	0.525	0.672	0.757	0.824	0.887	0.920	0.944	0.972	0.984	0.993	0.996	0.998
3050.0	0.045	0.151	0.268	0.395	0.551	0.652	0.739	0.825	0.874	0.911	0.945	0.964	0.977	0.988	0.994
3100.0	0.031	0.111	0.211	0.268	0.471	0.572	0.678	0.784	0.847	0.897	0.937	0.958	0.973	0.986	0.993
3150.0	0.030	0.110	0.208	0.309	0.465	0.578	0.678	0.784	0.847	0.898	0.937	0.958	0.973	0.986	0.993
3200.0	0.027	0.104	0.201	0.327	0.493	0.613	0.720	0.833	0.900	0.937	0.958	0.973	0.986	0.993	0.996
3250.0	0.102	0.228	0.293	0.199	0.369	0.497	0.613	0.737	0.839	0.884	0.915	0.942	0.960	0.980	0.988
3300.0	0.202	0.322	0.106	0.224	0.409	0.541	0.651	0.770	0.835	0.863	0.909	0.931	0.970	0.984	0.991
3350.0	0.201	0.423	0.242	0.216	0.418	0.562	0.678	0.793	0.854	0.881	0.917	0.937	0.972	0.985	0.991
3400.0	0.103	0.306	0.243	0.139	0.316	0.463	0.597	0.734	0.811	0.867	0.917	0.941	0.962	0.978	0.986
3450.0	0.049	0.160	0.215	0.090	0.220	0.362	0.499	0.657	0.761	0.849	0.911	0.940	0.961	0.978	0.986
3500.0	0.023	0.092	0.203	0.069	0.185	0.317	0.448	0.617	0.729	0.831	0.905	0.938	0.960	0.977	0.986
3550.0	0.000	0.000	0.000	0.003	0.026	0.076	0.155	0.305	0.432	0.554	0.693	0.773	0.837	0.898	0.931
3600.0	0.000	0.000	0.000	0.000	0.005	0.017	0.053	0.176	0.306	0.444	0.638	0.729	0.786	0.865	0.906
3650.0	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.118	0.232	0.365	0.557	0.664	0.741	0.832	0.883
3700.0	0.000	0.000	0.000	0.000	0.000	0.001	0.006	0.043	0.109	0.224	0.376	0.469	0.578	0.698	0.773
3750.0	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.036	0.100	0.209	0.370	0.466	0.597	0.707	0.776
3800.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.020	0.101	0.211	0.344	0.528	0.633
3850.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.066	0.187	0.317	0.500	0.623
3900.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.022	0.075	0.184	0.332	0.503	0.647
3950.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.092	0.176	0.285	0.443	0.561
4000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.028	0.096	0.201	0.366	0.495	0.612
4050.0	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4100.0	0.131	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4150.0	0.294	0.084	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4200.0	0.374	0.164	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4250.0	0.454	0.233	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4300.0	0.334	0.201	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4350.0	0.339	0.227	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4400.0	0.418	0.329	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4450.0	0.564	0.378	0.067	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4500.0	0.624	0.466	0.157	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4550.0	0.359	0.376	0.499	0.782	0.872	0.933	0.958	0.983	0.993	0.994	0.998	0.998	0.999	0.999	0.999
4600.0	0.312	0.307	0.427	0.726	0.818	0.866	0.904	0.948	0.959	0.973	0.986	0.992	0.996	0.998	0.999
4650.0	0.326	0.306	0.416	0.706	0.796	0.848	0.887	0.930	0.952	0.969	0.984	0.991	0.995	0.998	0.999
4700.0	0.415	0.401	0.706	0.761	0.857	0.891	0.921	0.956	0.966	0.977	0.986	0.993	0.996	0.998	0.999
4750.0	0.406	0.484	0.715	0.796	0.867	0.905	0.932	0.958	0.971	0.981	0.990	0.994	0.997	0.999	0.999
4800.0	0.317	0.513	0.635	0.775	0.859	0.899	0.927	0.962	0.969	0.974	0.986	0.991	0.995	0.998	0.999
4850.0	0.367	0.564	0.670	0.762	0.848	0.893	0.921	0.962	0.969	0.976	0.987	0.992	0.996	0.998	0.999
4900.0	0.362	0.570	0.712	0.800	0.878	0.917	0.944	0.967	0.978	0.984	0.992	0.995	0.997	0.999	0.999
4950.0	0.322	0.537	0.677	0.769	0.854	0.903	0.931	0.965	0.975	0.982	0.992	0.995	0.997	0.999	1.000
5000.0	0.236	0.448	0.563	0.698	0.809	0.868	0.910	0.948	0.966	0.978	0.989	0.994	0.997	0.999	0.999
5050.0	0.314	0.268	0.257	0.575	0.721	0.807	0.863	0.917	0.943	0.964	0.980	0.986	0.993	0.997	0.998
5100.0	0.284	0.246	0.255	0.565	0.706	0.807	0.758	0.867	0.894	0.929	0.968	0.975	0.985	0.993	0.996
5150.0	0.084	0.026	0.024	0.156	0.312	0.443	0.371	0.711	0.792	0.851	0.941	0.961	0.979	0.988	0.992
5200.0	0.000	0.000	0.000	0.036	0.132	0.245	0.178	0.515	0.644	0.735	0.864	0.926	0.963	0.977	0.987
5250.0	0.000	0.000	0.000	0.021	0.099	0.209	0.136	0.454	0.633	0.726	0.854	0.918	0.956	0.973	0.985
5300.0	0.000	0.000	0.000	0.017	0.076	0.157	0.121	0.412	0.521	0.615	0.728	0.794	0.847	0.899	0.928
5350.0	0.000	0.000	0.001	0.009	0.050	0.137	0.141	0.197	0.309	0.609	0.721	0.788	0.841	0.897	0.928
5400.0	0.000	0.000	0.001	0.011	0.055	0.217	0.348	0.523	0.640	0.726	0.881	0.921	0.937	0.958	0.969
5450.0	0.000	0.000	0.017	0.042	0.161	0.385	0.436	0.690	0.703	0.765	0.863	0.904	-.931	0.954	0.972
5500.0	0.000	0.001	0.045	0.110	0.264	0.483	0.533	0.679	0.764	0.807	0.886	0.916	0.947	0.966	0.979
5550.0	0.032	0.103	0.192	0.305	0.468	0.585	0.686	0.791	0.849	0.893	0.936	0.955	0.970	0.984	0.990
5600.0	0.167	0.311	0.367	0.573	0.711	0.791	0.851	0.906	0.937	0.958	0.977	0.986	0.992	0.996	0.998
5650.0	0.110	0.274	0.317	0.483	0.681	0.770	0.847	0.921	0.962	0.970	0.985	0.990	0.994	0.997	0.998
5700.0	0.337	0.765	0.861	0.911	0.954	0.972	0.983	0.992	0.996	0.997	0.999	1.000	1.000	1.000	1.000
5750.0	0.680	0.628	0.991	0.933	0.965	0.978	0.987	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000
5800.0	0.788	0.698	0.962	0.968	0.985	0.991	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5850.0	0.819	0.741	0.996	0.979	0.990	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5900.0	0.845	0.760	0.961	0.979	0.990	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5950.0	0.813	0.703	0.937	0.968	0.978	0.987	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
6000.0	0.712	0.624	0.883	0.927	0.954	0.969	0.980	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000
6050.0	0.706	0.624	0.881	0.920	0.952	0.968	0.979	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000
6100.0	0.658	0.784	0.832	0.880	0.926	0.948	0.966	0.982	0.989	0.995	0.998	0.999	0.999	1.000	1.000
6150.0	0.611	0.672	0.802	0.845	0.898	0.928	0.953	0.975	0.986	0.993	0.997	0.998	0.999	1.000	1.000
6200.0	0.623	0.594	0.816	0.860	0.917	0.943	0.963	0.980	0.988	0.993	0.997	0.998	0.999	1.000	1.000
6250.0	0.729	0.681	0.770	0.837	0.900	0.933	0.957	0.976	0.985	0.991	0.996	0.998	0.999	1.000	1.000
6300.0	0.420	0.590	0.698	0.785	0.869	0.914	0.946	0.972	0.984	0.991	0.996	0.998	0.999	1.000	1.000
6350.0	0.322	0.444	0.621	0.725	0.838	0.898	0.930	0.965	0.980	0.989	0.995	0.998	0.999	1.000	1.000
6400.0	0.292	0.461	0.564	0.693	0.805	0.878	0.918	0.959	0.977	0.988	0.995	0.998	0.999	1.000	1.000
6450.0	0.265	0.404	0.533	0.667	0.771	0.864	0.900	0.950	0.972	0.985	0.994	0.997	0.999	1.000	1.000
6500.0	0.240	0.414	0.543	0.659	0.782	0.853	0.904	0.952	0.973	0.985	0.994	0.997	0.998	0.999	1.000
6550.0	0.293	0.475	0.601	0.707	0.815	0.876	0.920	0.958	0.978	0.987	0.994	0.997	0.998	0.999	1.000
6600.0	0.325	0.519	0.642	0.739	0.837	0.895	0.933	0.965	0.980	0.989	0.995	0.997	0.998	0.999	1.000
6650.0	0.324	0.505	0.626	0.728	0.829	0.886	0.923	0.957	0.972	0.984	0.993	0.996	0.998	0.999	1.000
6700.0	0.390	0.577	0.693	0.770	0.863	0.915	0.942	0.971	0.983	0.991	0.995	0.998	0.999	0.999	1.000
6750.0	0.569	0.726	0.359	0.496	0.652	0.746	0.819	0.886	0.924	0.950	0.973	0.984	0.991	0.996	0.998
6800.0	0.583	0.727	0.355	0.498	0.648	0.743	0.816	0.884	0.922	0.948	0.971	0.982	0.989	0.995	0.998
6850.0	0.536	0.763	0.276	0.399	0.537	0.659	0.765	0.853	0.902	0.939	0.962	0.969	0.981	0.990	0.993
6900.0	0.529	0.707	0.206	0.323	0.487	0.681	0.699	0.800	0.857	0.900	0.948	0.961	0.976	0.988	0.993
6950.0	0.574	0.712	0.273	0.363	0.512	0.676	0.726	0.823	0.876	0.913	0.952	0.969	0.981	0.990	0.994
7000.0	0.614	0.686	0.219	0.263	0.436	0.585	0.673	0.787	0.850	0.897	0.940	0.962	0.977	0.989	0.994
7050.0	0.802	0.816	0.863	0.169	0.311	0.445	0.571	0.789	0.790	0.852	0.911	0.942	0.964	0.982	0.990
7100.0	0.600	0.598	0.525	0.097	0.235	0.366	0.495	0.649	0.742	0.815	0.886	0.923	0.950	0.973	0.984
7150.0	0.600	0.602	0.616	0.056	0.175	0.300	0.535	0.601	0.705	0.789	0.868	0.910	0.943	0.967	0.980
7200.0	0.600	0.600	0.600	0.026	0.088	0.169	0.276	0.433	0.552	0.658	0.771	0.860	0.898	0.936	0.959
7250.0	0.600	0.600	0.618	0.034	0.138	0.227	0.332	0.482	0.592	0.690	0.793	0.853	0.898	0.940	0.962

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
7300.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7350.0	0.000	0.000	0.000	0.000	0.002	0.013	0.049	0.169	0.263	0.393	0.561	0.669	0.757	0.865	0.892
7400.0	0.000	0.000	0.009	0.000	0.018	0.061	0.181	0.337	0.365	0.496	0.667	0.739	0.817	0.903	0.921
7450.0	0.000	0.000	0.012	0.000	0.048	0.122	0.272	0.504	0.534	0.630	0.768	0.835	0.889	0.933	0.957
7500.0	0.000	0.009	0.059	0.129	0.231	0.391	0.514	0.628	0.748	0.818	0.871	0.921	0.947	0.966	0.982
7550.0	0.026	0.130	0.256	0.398	0.572	0.681	0.768	0.851	0.895	0.927	0.955	0.970	0.980	0.989	0.993
7600.0	0.043	0.163	0.297	0.440	0.611	0.715	0.795	0.877	0.909	0.937	0.961	0.973	0.982	0.990	0.994
7650.0	0.104	0.244	0.376	0.507	0.683	0.785	0.825	0.890	0.923	0.947	0.968	0.979	0.986	0.993	0.996
7700.0	0.323	0.643	0.593	0.681	0.843	0.927	0.933	0.957	0.957	0.972	0.984	0.991	0.993	0.996	0.998
7750.0	0.595	0.736	0.814	0.870	0.921	0.947	0.966	0.981	0.983	0.993	0.997	0.998	0.999	1.000	1.000
7800.0	0.785	0.876	0.918	0.947	0.972	0.983	0.990	0.995	0.996	0.999	1.000	1.000	1.000	1.000	1.000
7850.0	0.857	0.923	0.951	0.969	0.983	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
7900.0	0.886	0.944	0.963	0.977	0.987	0.992	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
7950.0	0.924	0.964	0.968	0.980	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
8000.0	0.936	0.965	0.971	0.982	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
8050.0	0.941	0.971	0.975	0.984	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8100.0	0.787	0.949	0.969	0.938	0.964	0.977	0.986	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
8150.0	0.765	0.883	0.910	0.923	0.955	0.970	0.981	0.991	0.995	0.997	0.999	1.000	1.000	1.000	1.000
8200.0	0.596	0.787	0.892	0.856	0.907	0.937	0.960	0.978	0.988	0.993	0.997	0.999	1.000	1.000	1.000
8250.0	0.454	0.681	0.812	0.772	0.848	0.898	0.933	0.962	0.978	0.988	0.995	0.997	0.999	1.000	1.000
8300.0	0.423	0.567	0.698	0.773	0.854	0.898	0.930	0.959	0.973	0.983	0.992	0.996	0.998	0.999	1.000
8350.0	0.487	0.636	0.724	0.801	0.873	0.912	0.941	0.967	0.980	0.988	0.995	0.997	0.999	0.999	1.000
8400.0	0.460	0.615	0.712	0.791	0.868	0.910	0.940	0.966	0.981	0.990	0.996	0.998	0.999	1.000	1.000
8450.0	0.331	0.507	0.625	0.724	0.824	0.878	0.918	0.955	0.972	0.985	0.994	0.997	0.998	0.999	1.000
8500.0	0.252	0.453	0.582	0.705	0.816	0.875	0.917	0.954	0.971	0.984	0.994	0.997	0.998	0.999	1.000
8550.0	0.231	0.426	0.527	0.660	0.781	0.830	0.882	0.930	0.955	0.971	0.985	0.991	0.995	0.998	0.999
8600.0	0.164	0.309	0.424	0.544	0.676	0.758	0.825	0.889	0.925	0.950	0.972	0.983	0.990	0.996	0.998
8650.0	0.192	0.357	0.474	0.583	0.707	0.781	0.840	0.899	0.929	0.952	0.973	0.983	0.990	0.996	0.998
8700.0	0.192	0.367	0.501	0.622	0.749	0.821	0.875	0.924	0.950	0.968	0.983	0.990	0.994	0.997	0.998
8750.0	0.159	0.367	0.498	0.617	0.744	0.817	0.872	0.924	0.951	0.970	0.985	0.992	0.995	0.998	0.999
8800.0	0.303	0.475	0.596	0.700	0.803	0.864	0.908	0.948	0.968	0.982	0.992	0.996	0.998	0.999	1.000
8850.0	0.436	0.631	0.704	0.787	0.867	0.909	0.940	0.968	0.981	0.989	0.995	0.998	0.999	1.000	1.000
8900.0	0.562	0.704	0.793	0.856	0.912	0.941	0.961	0.978	0.987	0.992	0.996	0.998	0.999	1.000	1.000
8950.0	0.629	0.749	0.

WATER VAPOR AT 0.10 ATMOSPHERE PRESSURE

T=250° K

AVERAGED OVER 100cm.$^{-1}$

FREQ.	UPR.CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1050.0	0.866	0.951	0.978	0.988	0.995	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1100.0	0.902	0.972	0.989	0.993	0.998	0.999	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1150.0	0.888	0.969	0.988	0.993	0.998	0.999	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1200.0	0.923	0.976	0.992	0.996	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1250.0	0.906	0.971	0.990	0.994	0.997	0.998	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1300.0	0.915	0.973	0.991	0.995	0.997	0.998	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1350.0	0.928	0.980	0.993	0.996	0.998	0.999	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1400.0	0.886	0.965	0.989	0.994	0.997	0.998	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1450.0	0.908	0.980	0.991	0.995	0.997	0.998	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1500.0	0.904	0.979	0.990	0.994	0.997	0.998	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1550.0	0.930	0.982	0.991	0.995	0.997	0.998	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1600.0	0.903	0.974	0.989	0.993	0.997	0.998	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1650.0	0.923	0.980	0.992	0.995	0.997	0.998	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1700.0	0.906	0.974	0.990	0.994	0.997	0.998	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1750.0	0.924	0.980	0.992	0.995	0.997	0.998	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1800.0	0.908	0.975	0.991	0.994	0.997	0.998	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1850.0	0.926	0.981	0.993	0.996	0.998	0.999	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1900.0	0.910	0.976	0.991	0.995	0.997	0.998	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1950.0	0.928	0.982	0.994	0.996	0.998	0.999	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2000.0	0.913	0.978	0.992	0.995	0.998	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2050.0	0.931	0.984	0.994	0.997	0.998	0.999	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2100.0	0.917	0.980	0.993	0.996	0.998	0.999	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2150.0	0.934	0.985	0.995	0.997	0.999	0.999	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2200.0	0.921	0.982	0.994	0.997	0.998	0.999	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2250.0	0.938	0.987	0.996	0.998	0.999	0.999	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2300.0	0.926	0.984	0.995	0.998	0.999	0.999	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2350.0	0.943	0.989	0.997	0.998	0.999	0.999	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2400.0	0.932	0.987	0.996	0.998	0.999	0.999	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2450.0	0.945	0.990	0.997	0.998	0.999	0.999	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2500.0	0.935	0.988	0.996	0.998	0.999	0.999	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2550.0	0.948	0.991	0.997	0.999	0.999	0.999	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2600.0	0.939	0.989	0.997	0.998	0.999	0.999	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2650.0	0.950	0.992	0.998	0.999	0.999	0.999	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2700.0	0.942	0.990	0.997	0.999	0.999	0.999	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2750.0	0.954	0.993	0.998	0.999	0.999	0.999	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2800.0	0.948	0.769	0.823	0.877	0.927	0.955	0.971	0.986	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2850.0	0.962	0.845	0.887	0.926	0.957	0.973	0.986	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000
2900.0	0.948	0.842	0.886	0.925	0.955	0.973	0.986	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000
2950.0	0.962	0.872	0.910	0.943	0.967	0.980	0.990	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3000.0	0.952	0.864	0.908	0.942	0.965	0.979	0.989	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000
3050.0	0.966	0.894	0.932	0.958	0.975	0.985	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
3100.0	0.957	0.887	0.930	0.957	0.974	0.984	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
3150.0	0.969	0.917	0.950	0.970	0.980	0.989	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
3200.0	0.959	0.909	0.948	0.969	0.979	0.988	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
3250.0	0.969	0.929	0.962	0.977	0.985	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
3300.0	0.961	0.924	0.959	0.976	0.985	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
3350.0	0.971	0.941	0.968	0.982	0.989	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3400.0	0.964	0.936	0.965	0.981	0.989	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3450.0	0.973	0.953	0.974	0.986	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3500.0	0.967	0.948	0.972	0.985	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3550.0	0.975	0.962	0.979	0.989	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3600.0	0.970	0.956	0.977	0.988	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3650.0	0.978	0.969	0.983	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3700.0	0.974	0.964	0.981	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3750.0	0.980	0.974	0.986	0.993	0.996	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3800.0	0.977	0.970	0.985	0.993	0.996	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3850.0	0.982	0.978	0.989	0.995	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3900.0	0.980	0.975	0.988	0.994	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3950.0	0.984	0.981	0.991	0.996	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4000.0	0.982	0.979	0.990	0.995	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4050.0	0.986	0.984	0.993	0.997	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4100.0	0.984	0.982	0.992	0.996	0.998	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4150.0	0.988	0.986	0.994	0.997	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4200.0	0.986	0.985	0.994	0.997	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4250.0	0.989	0.988	0.995	0.998	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4300.0	0.988	0.987	0.995	0.998	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4350.0	0.991	0.990	0.996	0.998	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4400.0	0.990	0.989	0.996	0.998	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4450.0	0.992	0.991	0.997	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4500.0	0.991	0.990	0.997	0.998	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4550.0	0.993	0.992	0.998	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4600.0	0.992	0.992	0.998	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4650.0	0.994	0.993	0.998	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4700.0	0.993	0.993	0.998	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4750.0	0.994	0.994	0.998	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4800.0	0.994	0.994	0.998	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4850.0	0.995	0.995	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4900.0	0.995	0.995	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4950.0	0.996	0.995	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5000.0	0.996	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5050.0	0.996	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5100.0	0.997	0.996	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5150.0	0.997	0.997	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5200.0	0.997	0.997	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5250.0	0.997	0.997	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5300.0	0.997	0.997	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5350.0	0.998	0.997	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5400.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5450.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5500.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5550.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5600.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5650.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5700.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5750.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5800.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5850.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5900.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5950.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
6000.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
6050.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
6100.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
6150.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
6200.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
6250.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
6300.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
6350.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
6400.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
6450.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
6500.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
6550.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
6600.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
6650.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
6700.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
6750.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
6800.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
6850.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
6900.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
6950.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
7000.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
7050.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
7100.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
7150.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
7200.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
7250.0	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000

WATER VAPOR 0.05 ATMOSPHERE PRESSURE

T=250° K

AVERAGED OVER 100cm^{-1}

U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1050.0	0.934	0.976	0.986	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1100.0	0.889	0.952	0.970	0.980	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
1150.0	0.803	0.899	0.935	0.956	0.972	0.982	0.988	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000
1200.0	0.670	0.807	0.872	0.912	0.945	0.962	0.974	0.985	0.990	0.995	0.997	0.998	0.999	1.000	1.000
1250.0	0.493	0.663	0.760	0.816	0.881	0.916	0.942	0.965	0.977	0.989	0.994	0.996	0.998	0.999	0.999
1300.0	0.320	0.501	0.617	0.686	0.765	0.810	0.862	0.913	0.940	0.969	0.984	0.990	0.995	0.997	0.998
1350.0	0.185	0.352	0.465	0.553	0.651	0.707	0.769	0.841	0.882	0.932	0.962	0.977	0.989	0.993	0.996
1400.0	0.103	0.231	0.329	0.411	0.516	0.583	0.657	0.749	0.807	0.882	0.931	0.958	0.979	0.988	0.993
1450.0	0.060	0.160	0.243	0.316	0.413	0.479	0.555	0.658	0.727	0.820	0.887	0.926	0.963	0.980	0.989
1500.0	0.039	0.117	0.189	0.252	0.339	0.398	0.471	0.573	0.646	0.749	0.831	0.884	0.939	0.967	0.981
1550.0	0.030	0.097	0.161	0.219	0.299	0.354	0.423	0.520	0.589	0.688	0.768	0.827	0.905	0.945	0.968
1600.0	0.028	0.089	0.149	0.205	0.282	0.336	0.402	0.496	0.564	0.661	0.739	0.797	0.878	0.923	0.952
1650.0	0.028	0.088	0.147	0.203	0.280	0.333	0.399	0.492	0.559	0.655	0.732	0.789	0.870	0.915	0.945
1700.0	0.028	0.088	0.147	0.203	0.280	0.333	0.399	0.492	0.559	0.655	0.732	0.789	0.870	0.915	0.945
1750.0	0.028	0.088	0.147	0.203	0.280	0.333	0.399	0.492	0.559	0.655	0.732	0.789	0.870	0.915	0.945
1800.0	0.028	0.088	0.147	0.203	0.280	0.333	0.399	0.492	0.559	0.655	0.732	0.789	0.870	0.915	0.945
1850.0	0.028	0.088	0.147	0.203	0.280	0.333	0.399	0.492	0.559	0.655	0.732	0.789	0.870	0.915	0.945
1900.0	0.028	0.088	0.147	0.203	0.280	0.333	0.399	0.492	0.559	0.655	0.732	0.789	0.870	0.915	0.945
1950.0	0.028	0.088	0.147	0.203	0.280	0.333	0.399	0.492	0.559	0.655	0.732	0.789	0.870	0.915	0.945
2000.0	0.028	0.088	0.147	0.203	0.280	0.333	0.399	0.492	0.559	0.655	0.732	0.789	0.870	0.915	0.945
2050.0	0.247	0.438	0.570	0.674	0.786	0.843	0.888	0.928	0.950	0.965	0.979	0.986	0.990	0.995	0.997
2100.0	0.387	0.575	0.686	0.769	0.864	0.891	0.923	0.952	0.967	0.977	0.987	0.991	0.994	0.997	0.998
2150.0	0.504	0.676	0.762	0.844	0.903	0.931	0.952	0.971	0.980	0.987	0.993	0.996	0.997	0.998	0.999
2200.0	0.710	0.826	0.878	0.913	0.943	0.962	0.971	0.985	0.990	0.994	0.997	0.998	0.998	1.000	1.000
2250.0	0.822	0.903	0.931	0.954	0.972	0.982	0.988	0.993	0.996	0.997	0.999	1.000	1.000	1.000	1.000
2300.0	0.907	0.956	0.974	0.981	0.991	0.994	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2350.0	0.939	0.976	0.986	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2400.0	0.956	0.983	0.990	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2450.0	0.964	0.988	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2500.0	0.972	0.990	0.993	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2550.0	0.953	0.974	0.987	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2600.0	0.913	0.956	0.976	0.986	0.993	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2650.0	0.885	0.942	0.965	0.978	0.989	0.993	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2700.0	0.866	0.934	0.960	0.975	0.987	0.991	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2750.0	0.849	0.926	0.954	0.972	0.984	0.989	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2800.0	0.713	0.858	0.908	0.934	0.964	0.976	0.988	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2850.0	0.693	0.848	0.903	0.929	0.963	0.975	0.988	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2900.0	0.677	0.841	0.899	0.926	0.962	0.974	0.988	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000
2950.0	0.671	0.843	0.902	0.929	0.965	0.976	0.989	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000
3000.0	0.684	0.851	0.909	0.934	0.967	0.977	0.989	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000
3050.0	0.722	0.836	0.886	0.910	0.937	0.954	0.970	0.983	0.990	0.995	0.998	0.999	1.000	1.000	1.000
3100.0	0.725	0.841	0.894	0.919	0.946	0.962	0.976	0.987	0.993	0.997	0.999	1.000	1.000	1.000	1.000
3150.0	0.730	0.845	0.900	0.925	0.953	0.968	0.980	0.989	0.994	0.997	0.999	1.000	1.000	1.000	1.000
3200.0	0.738	0.851	0.907	0.931	0.958	0.972	0.982	0.991	0.995	0.998	0.999	1.000	1.000	1.000	1.000
3250.0	0.748	0.859	0.914	0.937	0.962	0.975	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
3300.0	0.775	0.876	0.926	0.950	0.969	0.980	0.988	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000
3350.0	0.784	0.882	0.931	0.954	0.972	0.982	0.990	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000
3400.0	0.792	0.887	0.935	0.957	0.974	0.984	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
3450.0	0.799	0.892	0.939	0.960	0.976	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
3500.0	0.801	0.894	0.940	0.961	0.977	0.986	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
3550.0	0.800	0.892	0.938	0.960	0.976	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
3600.0	0.800	0.892	0.938	0.960	0.976	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
3650.0	0.800	0.892	0.938	0.960	0.976	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
3700.0	0.800	0.892	0.938	0.960	0.976	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
3750.0	0.800	0.892	0.938	0.960	0.976	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
3800.0	0.800	0.892	0.938	0.960	0.976	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
3850.0	0.800	0.892	0.938	0.960	0.976	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
3900.0	0.800	0.892	0.938	0.960	0.976	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
3950.0	0.800	0.892	0.938	0.960	0.976	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
4000.0	0.800	0.892	0.938	0.960	0.976	0.985	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
4050.0	0.806	0.926	0.962	0.980	0.988	0.992	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
4100.0	0.852	0.963	0.985	0.992	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4150.0	0.883	0.976	0.989	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4200.0	0.907	0.984	0.993	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4250.0	0.922	0.989	0.995	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4300.0	0.963	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4350.0	0.970	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4400.0	0.968	0.993	0.996	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4450.0	0.955	0.987	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4500.0	0.935	0.978	0.989	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4550.0	0.895	0.963	0.980	0.989	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4600.0	0.848	0.943	0.968	0.982	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
4650.0	0.797	0.918	0.952	0.972	0.984	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
4700.0	0.743	0.889	0.933	0.959	0.976	0.985	0.991	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000
4750.0	0.688	0.856	0.911	0.943	0.966	0.979	0.987	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000
4800.0	0.634	0.819	0.886	0.924	0.953	0.972	0.983	0.992	0.995	0.997	0.999	1.000	1.000	1.000	1.000
4850.0	0.583	0.780	0.858	0.903	0.938	0.963	0.978	0.989	0.994	0.997	0.999	1.000	1.000	1.000	1.000
4900.0	0.536	0.741	0.829	0.881	0.922	0.952	0.972	0.986	0.992	0.996	0.998	0.999	1.000	1.000	1.000
4950.0	0.494	0.703	0.800	0.858	0.906	0.941	0.965	0.982	0.990	0.995	0.998	0.999	1.000	1.000	1.000

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
7100.0	0.012	0.063	0.140	0.247	0.414	0.536	0.668	0.784	0.829	0.859	0.924	0.947	0.964	0.978	0.988
7150.0	0.008	0.046	0.113	0.212	0.375	0.502	0.636	0.760	0.811	0.845	0.916	0.940	0.959	0.975	0.986
7200.0	0.006	0.040	0.099	0.207	0.374	0.503	0.642	0.776	0.833	0.874	0.950	0.976	0.989	0.993	0.997
7250.0	0.005	0.038	0.095	0.208	0.378	0.509	0.650	0.784	0.842	0.886	0.962	0.985	0.994	0.997	0.999
7300.0	0.005	0.038	0.095	0.208	0.378	0.509	0.650	0.784	0.842	0.886	0.962	0.985	0.994	0.997	0.999
7350.0	0.005	0.038	0.095	0.208	0.378	0.509	0.650	0.784	0.842	0.886	0.962	0.985	0.994	0.997	0.999
7400.0	0.005	0.038	0.095	0.208	0.378	0.509	0.650	0.784	0.842	0.886	0.962	0.985	0.994	0.997	0.999
7450.0	0.005	0.038	0.095	0.208	0.378	0.509	0.650	0.784	0.842	0.886	0.962	0.985	0.994	0.997	0.999
7500.0	0.005	0.038	0.095	0.208	0.378	0.509	0.650	0.784	0.842	0.886	0.962	0.985	0.994	0.997	0.999
7550.0	0.006	0.040	0.099	0.207	0.374	0.503	0.642	0.776	0.833	0.874	0.950	0.976	0.989	0.993	0.997
7600.0	0.008	0.046	0.113	0.212	0.375	0.502	0.636	0.760	0.811	0.845	0.916	0.940	0.959	0.975	0.986
7650.0	0.012	0.063	0.140	0.247	0.414	0.536	0.668	0.784	0.829	0.859	0.924	0.947	0.964	0.978	0.988
7700.0	0.024	0.096	0.189	0.307	0.474	0.593	0.722	0.826	0.853	0.892	0.935	0.955	0.969	0.982	0.989
7750.0	0.044	0.147	0.272	0.425	0.594	0.720	0.845	0.910	0.920	0.938	0.963	0.971	0.976	0.985	0.991
7800.0	0.076	0.224	0.368	0.561	0.745	0.845	0.931	0.965	0.970	0.970	0.984	0.984	0.979	0.988	0.992
7850.0	0.124	0.329	0.490	0.715	0.865	0.931	0.972	0.985	0.987	0.982	0.989	0.990	0.983	0.990	0.993
7900.0	0.189	0.461	0.634	0.837	0.943	0.972	0.988	0.993	0.994	0.990	0.993	0.993	0.986	0.991	0.994
7950.0	0.268	0.613	0.778	0.918	0.978	0.988	0.994	0.996	0.997	0.994	0.995	0.995	0.988	0.992	0.995
8000.0	0.357	0.775	0.894	0.956	0.990	0.994	0.996	0.997	0.998	0.996	0.997	0.996	0.990	0.993	0.996
8050.0	0.451	0.931	0.972	0.980	0.995	0.996	0.997	0.998	0.998	0.997	0.998	0.997	0.991	0.994	0.997
8100.0	0.540	0.966	0.988	0.991	0.997	0.997	0.998	0.998	0.999	0.998	0.998	0.998	0.992	0.995	0.997
8150.0	0.620	0.982	0.994	0.995	0.998	0.998	0.998	0.999	0.999	0.998	0.999	0.998	0.993	0.996	0.998
8200.0	0.685	0.990	0.996	0.997	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.994	0.997	0.998
8250.0	0.732	0.994	0.997	0.998	0.999	0.999	0.999	0.999	1.000	0.999	0.999	0.999	0.995	0.997	0.998
8300.0	0.763	0.996	0.998	0.999	0.999	0.999	1.000	1.000	1.000	0.999	1.000	0.999	0.995	0.998	0.999
8350.0	0.782	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.996	0.998	0.999
8400.0	0.793	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.996	0.998	0.999
8450.0	0.799	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.996	0.998	0.999
8500.0	0.803	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.996	0.999	0.999
8550.0	0.803	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.997	0.999	0.999
8600.0	0.802	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.997	0.999	0.999
8650.0	0.801	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.997	0.999	0.999
8700.0	0.800	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.997	0.999	0.999
8750.0	0.800	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.997	0.999	0.999
8800.0	0.374	0.823	0.929	0.969	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
8850.0	0.370	0.824	0.931	0.970	0.988	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
8900.0	0.443	0.883	0.960	0.983	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
8950.0	0.552	0.939	0.979	0.990	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9000.0	0.634	0.968	0.988	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9050.0	0.683	0.980	0.993	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9100.0	0.710	0.987	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9150.0	0.726	0.991	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9200.0	0.736	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9250.0	0.742	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9300.0	0.746	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9350.0	0.748	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9400.0	0.749	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9450.0	0.749	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9500.0	0.749	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9550.0	0.747	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9600.0	0.746	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9650.0	0.744	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9700.0	0.740	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9750.0	0.735	0.993	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9800.0	0.727	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9850.0	0.716	0.989	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9900.0	0.699	0.985	0.993	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9950.0	0.674	0.978	0.990	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000

WATER VAPOR AT 0.02 ATMOSPHERE PRESSURE

T=250° K

AVERAGED OVER 100cm

U(FR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1050.0	0.975	0.987	0.991	0.994	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1100.0	0.950	0.973	0.981	0.987	0.992	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
1150.0	0.896	0.941	0.959	0.973	0.982	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
1200.0	0.803	0.882	0.918	0.942	0.960	0.975	0.985	0.990	0.993	0.995	0.998	0.999	0.999	1.000	1.000
1250.0	0.632	0.761	0.828	0.876	0.920	0.954	0.961	0.976	0.984	0.989	0.994	0.996	0.998	0.999	0.999
1300.0	0.383	0.576	0.693	0.778	0.853	0.911	0.907	0.941	0.959	0.972	0.983	0.989	0.993	0.996	0.998
1350.0	0.150	0.327	0.487	0.599	0.695	0.782	0.793	0.863	0.902	0.931	0.957	0.970	0.980	0.988	0.992
1400.0	0.021	0.119	0.284	0.390	0.509	0.629	0.671	0.777	0.837	0.883	0.926	0.948	0.964	0.978	0.985
1450.0	0.001	0.031	0.102	0.157	0.252	0.369	0.421	0.578	0.675	0.757	0.837	0.882	0.915	0.944	0.962
1500.0	0.000	0.005	0.025	0.043	0.095	0.178	0.241	0.396	0.513	0.626	0.741	0.805	0.856	0.904	0.936
1550.0	0.001	0.012	0.040	0.084	0.177	0.296	0.389	0.539	0.641	0.727	0.816	0.866	0.904	0.939	0.957
1600.0	0.001	0.010	0.030	0.112	0.237	0.396	0.478	0.624	0.715	0.788	0.860	0.899	0.928	0.955	0.968
1650.0	0.000	0.006	0.015	0.063	0.175	0.327	0.367	0.507	0.616	0.707	0.802	0.855	0.896	0.933	0.953
1700.0	0.000	0.001	0.006	0.031	0.109	0.208	0.325	0.484	0.594	0.684	0.787	0.843	0.887	0.927	0.948
1750.0	0.000	0.002	0.016	0.061	0.176	0.295	0.421	0.578	0.675	0.757	0.837	0.882	0.915	0.944	0.962
1800.0	0.001	0.012	0.045	0.113	0.260	0.389	0.516	0.660	0.747	0.815	0.879	0.916	0.939	0.961	0.973
1850.0	0.012	0.071	0.181	0.283	0.452	0.572	0.674	0.780	0.839	0.884	0.925	0.947	0.961	0.977	0.984
1900.0	0.039	0.154	0.282	0.423	0.569	0.690	0.770	0.848	0.890	0.923	0.950	0.965	0.975	0.985	0.990
1950.0	0.138	0.296	0.427	0.549	0.683	0.783	0.828	0.888	0.918	0.942	0.963	0.974	0.982	0.989	0.992
2000.0	0.294	0.457	0.566	0.657	0.784	0.855	0.892	0.930	0.950	0.959	0.976	0.982	0.986	0.992	0.994
2050.5	0.448	0.607	0.705	0.782	0.856	0.897	0.924	0.953	0.967	0.977	0.986	0.990	0.991	0.996	0.998
2100.5	0.571	0.711	0.786	0.843	0.898	0.927	0.949	0.968	0.978	0.985	0.991	0.994	0.996	0.998	0.999
2150.5	0.710	0.812	0.862	0.901	0.936	0.952	0.968	0.980	0.987	0.990	0.995	0.996	0.998	0.999	0.999
2200.5	0.827	0.891	0.922	0.943	0.965	0.976	0.983	0.990	0.993	0.994	0.998	0.998	0.999	1.000	1.000
2250.5	0.900	0.939	0.957	0.970	0.982	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2302.5	0.955	0.975	0.983	0.989	0.996	0.998	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2352.5	0.972	0.985	0.991	0.994	0.998	0.999	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2402.5	0.980	0.990	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2452.5	0.984	0.992	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2502.5	0.988	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2552.5	0.976	0.987	0.991	0.996	0.997	0.998	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2602.5	0.984	0.990	0.993	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2652.5	0.915	0.963	0.983	0.993	0.996	0.999	0.993	0.996	0.998	1.000	1.000	1.000	1.000	1.000	1.000
2702.5	0.856	0.932	0.963	0.984	0.993	0.996	0.988	0.993	0.996	0.997	0.999	0.999	1.000	1.000	1.000
2752.5	0.790	0.884	0.930	0.974	0.990	0.994	0.984	0.992	0.995	0.995	0.998	0.999	0.999	1.000	1.000
2802.5	0.811	0.878	0.913	0.958	0.982	0.990	0.982	0.990	0.995	0.997	0.999	0.999	1.000	1.000	1.000
2852.5	0.806	0.876	0.913	0.939	0.962	0.976	0.983	0.991	0.994	0.997	0.999	0.999	1.000	1.000	1.000
2902.5	0.742	0.836	0.882	0.916	0.944	0.964	0.975	0.987	0.992	0.996	0.998	0.999	0.999	1.000	1.000
2952.5	0.642	0.765	0.831	0.880	0.921	0.947	0.963	0.977	0.985	0.989	0.996	0.998	0.999	0.999	1.000
3002.5	0.513	0.655	0.745	0.815	0.880	0.915	0.943	0.970	0.980	0.987	0.992	0.996	0.998	0.999	1.000
3052.5	0.361	0.516	0.621	0.709	0.802	0.854	0.899	0.952	0.967	0.976	0.989	0.995	0.998	0.999	1.000
3102.5	0.267	0.419	0.532	0.635	0.744	0.813	0.884	0.942	0.958	0.974	0.987	0.992	0.997	0.999	1.000
3152.5	0.201	0.345	0.472	0.593	0.715	0.785	0.881	0.924	0.948	0.962	0.979	0.989	0.995	0.998	1.000
3202.5	0.206	0.341	0.468	0.603	0.729	0.797	0.891	0.904	0.931	0.951	0.970	0.979	0.989	0.995	1.000
3252.5	0.195	0.363	0.489	0.603	0.725	0.797	0.851	0.904	0.931	0.951	0.970	0.979	0.989	0.995	1.000
3302.5	0.215	0.396	0.526	0.638	0.756	0.820	0.870	0.916	0.941	0.958	0.974	0.982	0.988	0.994	0.998
3352.5	0.254	0.455	0.595	0.682	0.776	0.839	0.885	0.922	0.944	0.964	0.978	0.985	0.991	0.996	0.998
3402.5	0.326	0.593	0.740	0.572	0.708	0.786	0.845	0.901	0.930	0.951	0.969	0.979	0.985	0.991	0.996
3452.5	0.354	0.667	0.809	0.422	0.585	0.683	0.770	0.850	0.892	0.924	0.952	0.969	0.979	0.987	0.994
3502.5	0.217	0.579	0.868	0.287	0.459	0.579	0.681	0.787	0.845	0.889	0.930	0.951	0.966	0.979	0.988
3552.5	0.002	0.021	0.068	0.143	0.284	0.405	0.526	0.661	0.744	0.813	0.878	0.913	0.939	0.962	0.975
3602.5	0.000	0.005	0.031	0.049	0.134	0.269	0.420	0.560	0.658	0.743	0.844	0.898	0.920	0.950	0.965
3652.5	0.000	0.000	0.000	0.027	0.115	0.272	0.364	0.513	0.621	0.715	0.829	0.882	0.912	0.946	0.964
3702.5	0.000	0.000	0.000	0.001	0.036	0.093	0.177	0.333	0.421	0.525	0.668	0.727	0.776	0.862	0.900
3752.5	0.000	0.000	0.001	0.011	0.060	0.132	0.229	0.371	0.476	0.571	0.688	0.751	0.818	0.872	0.907
3802.5	0.000	0.000	0.001	0.020	0.100	0.209	0.362	0.518	0.631	0.723	0.811	0.860	0.896	0.934	0.953
3852.5	0.000	0.000	0.001	0.011	0.086	0.185	0.331	0.487	0.607	0.707	0.806	0.861	0.901	0.933	0.954
3902.5	0.000	0.000	0.003	0.016	0.080	0.191	0.315	0.476	0.617	0.760	0.862	0.887	0.928	0.944	0.964
3952.5	0.001	0.002	0.178	0.284	0.459	0.554	0.657	0.762	0.828	0.879	0.920	0.944	0.960	0.975	0.983
4002.5	0.004	0.021	0.496	0.606	0.730	0.800	0.854	0.904	0.931	0.951	0.969	0.978	0.985	0.991	0.994
4052.5	0.960	0.981	0.991	0.994	0.998	0.999	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4102.5	0.971	0.984	0.989	0.993	0.997	0.998	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4152.5	0.982	0.989	0.994	0.996	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4202.5	0.988	0.993	0.995	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4252.5	0.992	0.995	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4302.5	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4352.5	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4402.5	0.995	0.996	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4452.5	0.993	0.995	0.996	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4502.5	0.991	0.993	0.995	0.996	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4552.5	0.779	0.861	0.902	0.931	0.956	0.968	0.976	0.986	0.991	0.993	0.996	0.997	0.998	0.999	1.000
4602.5	0.700	0.793	0.849	0.889	0.928	0.949	0.966	0.977	0.984	0.989	0.993	0.996	0.997	0.999	0.999
4652.5	0.691	0.787	0.846	0.878	0.920	0.942	0.958	0.974	0.982	0.987	0.992	0.995	0.997	0.998	0.999
4702.5	0.763	0.846	0.887	0.909	0.940	0.957	0.969	0.980	0.986	0.991	0.994	0.996	0.998	0.999	0.999
4752.5	0.781	0.865	0.905	0.926	0.953	0.965	0.976	0.984	0.989	0.993	0.995	0.997	0.998	0.999	0.999
4802.5	0.730	0.819	0.868	0.905	0.939	0.957	0.969	0.981	0.987	0.991	0.993	0.996	0.998	0.999	0.999
4852.5	0.767	0.851	0.889	0.918	0.945	0.961	0.973	0.985	0.989	0.992	0.995	0.997	0.998	0.999	0.999
4902.5	0.780	0.865	0.900	0.929	0.953	0.969	0.979	0.987	0.991	0.994	0.996	0.998	0.999	0.999	1.000
4952.5	0.783	0.869	0.906	0.935	0.960	0.974	0.984	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000
5002.5	0.810	0.862	0.862	0.885	0.918	0.950	0.965	0.979	0.988	0.990	0.995	0.996	0.998	0.999	0.999
5052.5	0.562	0.697	0.770	0.833	0.893	0.926	0.947	0.968	0.978	0.985	0.991	0.994	0.996	0.998	0.999
5102.5	0.513	0.653	0.735	0.799	0.865	0.905	0.934	0.960	0.973	0.983	0.989	0.993	0.995	0.997	0.998
5152.5	0.533	0.678	0.767	0.831	0.893	0.927	0.949	0.968	0.978	0.985	0.991	0.994	0.996	0.998	0.999
5202.5	0.552	0.702	0.794	0.858	0.917	0.948	0.964	0.977	0.984	0.989	0.993	0.995	0.997	0.998	0.999
5252.5	0.620	0.695	0.197	0.323	0.496	0.613	0.710	0.808	0.862	0.901	0.938	0.956	0.970	0.981	0.987
5302.5	0.616	0.076	0.166	0.240	0.383	0.490	0.588	0.699	0.767	0.824	0.882	0.916	0.938	0.961	0.973
5352.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5402.5	0.000	0.000	0.121	0.220	0.369	0.478	0.578	0.691	0.761	0.819	0.878	0.912	0.937	0.960	0.972
5452.5	0.000	0.000	0.000	0.244	0.355	0.468	0.572	0.685	0.758	0.817	0.877	0.911	0.936	0.960	0.972
5502.5	0.064	0.182	0.302	0.425	0.566	0.664	0.770	0.850	0.893	0.924	0.952	0.967	0.977	0.988	0.990
5552.5	0.000	0.000	0.000	0.527	0.683	0.755	0.822	0.883	0.920	0.942	0.963	0.973	0.982	0.989	0.993
5552.5	0.300	0.498	0.593	0.674	0.779	0.829	0.884	0.926	0.948	0.963	0.977	0.984	0.989	0.993	0.996
5602.5	0.361	0.536	0.725	0.835	0.893	0.924	0.946	0.966	0.977	0.984	0.990	0.994	0.996	0.998	0.998
5652.5	0.386	0.643	0.802	0.933	0.953	0.970	0.980	0.984	0.991	0.994	0.995	0.997	0.998	0.999	0.999
5702.5	0.494	0.726	0.856	0.970	0.982	0.988	0.992	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000
5752.5	0.512	0.747	0.863	0.975	0.985	0.990	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
5802.5	0.958	0.970	0.979	0.986	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5852.5	0.962	0.978	0.985	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5902.5	0.962	0.976	0.985	0.990	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5952.5	0.966	0.980	0.987	0.992	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
6002.5	0.969	0.982	0.989	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
6052.5	0.963	0.978	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
6102.5	0.960	0.976	0.986	0.992	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
6152.5	0.951	0.971	0.982	0.990	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
6202.5	0.944	0.967	0.978	0.988	0.992	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
6252.5	0.807	0.874	0.910	0.936	0.960	0.973	0.982	0.989	0.993	0.995	0.998	0.999	0.999	1.000	1.000
6302.5	0.755	0.836	0.883	0.917	0.946	0.964	0.976	0.986	0.991	0.994	0.997	0.998	0.999	1.000	1.000
6352.5	0.682	0.786	0.844	0.886	0.929	0.951	0.967	0.981	0.988	0.992	0.996	0.998	0.999	1.000	1.000
6402.5	0.762	0.838	0.884	0.911	0.944	0.963	0.977	0.985	0.989	0.993	0.996	0.998	0.999	1.000	1.000
6452.5	0.819	0.737	0.866	0.859	0.910	0.937	0.956	0.974	0.983	0.990	0.995	0.997	0.999	0.999	1.000
6502.5	0.813	0.733	0.856	0.867	0.916	0.941	0.959	0.976	0.984	0.990	0.995	0.997	0.999	0.999	1.000
6552.5	0.678	0.783	0.843	0.887	0.929	0.951	0.964	0.980	0.987	0.992	0.996	0.998	0.999	0.999	1.000
6602.5	0.705	0.804	0.861	0.901	0.938	0.957	0.971	0.982	0.989	0.993	0.996	0.998	0.999	0.999	1.000
6652.5	0.762	0.836	0.881	0.910	0.944	0.964	0.976	0.986	0.991	0.994	0.997	0.998	0.999	1.000	1.000
6702.5	0.765	0.844	0.894	0.920	0.953	0.970	0.980	0.988	0.992	0.995	0.997	0.998	0.999	1.000	1.000
6752.5	0.662	0.818	0.715	0.782	0.866	0.905	0.934	0.959	0.972	0.981	0.988	0.992	0.995	0.997	0.998
6802.5	0.457	0.618	0.711	0.788	0.863	0.904	0.932	0.958	0.971	0.980	0.988	0.992	0.995	0.997	0.998
6852.5	0.362	0.536	0.621	0.710	0.804	0.857	0.898	0.935	0.953	0.968	0.981	0.987	0.991	0.995	0.997
6902.5	0.269	0.447	0.541	0.642	0.761	0.830	0.878	0.922	0.945	0.962	0.977	0.984	0.989	0.994	0.996
6952.5	0.315	0.479	0.594	0.692	0.796	0.851	0.894	0.933	0.953	0.968	0.980	0.987	0.991	0.995	0.997
7002.5	0.261	0.404	0.533	0.643	0.759	0.825	0.875	0.920	0.944	0.961	0.976	0.984	0.989	0.994	0.996
7052.5	0.135	0.270	0.420	0.544	0.683	0.766	0.838	0.895	0.932	0.955	0.974	0.982	0.988	0.993	0.996
7102.5	0.108	0.214	0.359	0.465	0.618	0.712	0.788	0.862	0.905	0.930	0.957	0.970	0.979	0.988	0.992
7152.5	0.093	0.159	0.274	0.401	0.562	0.666	0.751	0.837	0.883	0.916	0.943	0.965	0.976	0.985	0.990
7202.5	0.021	0.079	0.155	0.254	0.406	0.527	0.629	0.744	0.813	0.865	0.913	0.940	0.958	0.975	0.982
7252.5	0.013	0.056	0.122	0.323	0.467	0.576	0.670	0.776	0.834	0.880	0.923	0.946	0.962	0.977	0.984

WATER VAPOR AT 0.01 ATMOSPHERE PRESSURE

T=250° K

AVERAGED OVER 100cm^{-1}

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1050.0	0.985	0.991	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1100.0	0.984	0.990	0.992	0.994	0.996	0.997	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
1150.0	0.981	0.988	0.990	0.992	0.995	0.996	0.996	0.997	0.998	0.998	0.999	1.000	1.000	1.000	1.000
1200.0	0.978	0.985	0.988	0.990	0.993	0.994	0.995	0.996	0.997	0.997	0.998	0.999	1.000	1.000	1.000
1250.0	0.974	0.982	0.986	0.988	0.992	0.993	0.994	0.995	0.996	0.996	0.997	0.998	0.999	1.000	1.000
1300.0	0.969	0.979	0.983	0.986	0.990	0.991	0.992	0.993	0.994	0.995	0.996	0.997	0.998	0.999	1.000
1350.0	0.963	0.974	0.979	0.982	0.987	0.988	0.989	0.991	0.992	0.993	0.994	0.995	0.997	0.998	0.999
1400.0	0.956	0.968	0.974	0.977	0.983	0.984	0.986	0.988	0.989	0.991	0.992	0.994	0.996	0.997	0.999
1450.0	0.948	0.961	0.968	0.972	0.978	0.980	0.982	0.984	0.986	0.988	0.990	0.992	0.995	0.996	0.998
1500.0	0.938	0.953	0.961	0.965	0.973	0.975	0.978	0.980	0.982	0.985	0.987	0.990	0.993	0.995	0.997
1550.0	0.927	0.944	0.953	0.958	0.967	0.970	0.973	0.976	0.978	0.981	0.984	0.987	0.991	0.993	0.996
1600.0	0.916	0.934	0.944	0.950	0.960	0.964	0.968	0.971	0.974	0.977	0.980	0.984	0.988	0.991	0.995
1650.0	0.902	0.924	0.935	0.941	0.953	0.957	0.962	0.966	0.969	0.973	0.976	0.980	0.985	0.989	0.993
1700.0	0.888	0.913	0.925	0.932	0.945	0.950	0.955	0.960	0.964	0.968	0.972	0.976	0.982	0.986	0.991
1750.0	0.873	0.901	0.915	0.923	0.937	0.943	0.949	0.954	0.959	0.963	0.968	0.972	0.978	0.983	0.989
1800.0	0.857	0.889	0.905	0.914	0.930	0.936	0.943	0.949	0.954	0.959	0.964	0.969	0.975	0.980	0.987
1850.0	0.840	0.877	0.895	0.905	0.923	0.930	0.938	0.944	0.950	0.955	0.960	0.965	0.972	0.978	0.985
1900.0	0.823	0.865	0.886	0.897	0.917	0.925	0.933	0.940	0.946	0.951	0.957	0.962	0.970	0.976	0.983
1950.0	0.805	0.853	0.877	0.889	0.911	0.920	0.929	0.936	0.943	0.948	0.954	0.960	0.968	0.974	0.982
2000.0	0.787	0.841	0.868	0.882	0.906	0.916	0.926	0.934	0.941	0.946	0.952	0.958	0.966	0.973	0.981
2050.0	0.768	0.829	0.860	0.876	0.902	0.913	0.923	0.932	0.939	0.945	0.951	0.957	0.965	0.972	0.980
2100.0	0.749	0.817	0.852	0.870	0.899	0.910	0.921	0.930	0.938	0.944	0.950	0.956	0.964	0.971	0.979
2150.0	0.730	0.805	0.844	0.864	0.896	0.908	0.919	0.929	0.937	0.943	0.949	0.955	0.963	0.970	0.978
2200.0	0.711	0.793	0.836	0.858	0.893	0.906	0.918	0.928	0.936	0.942	0.948	0.954	0.962	0.969	0.977
2250.0	0.692	0.781	0.828	0.852	0.891	0.905	0.917	0.927	0.935	0.941	0.947	0.953	0.961	0.968	0.976
2300.0	0.673	0.769	0.820	0.846	0.889	0.904	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
2350.0	0.654	0.757	0.812	0.840	0.887	0.903	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
2400.0	0.635	0.745	0.804	0.834	0.885	0.902	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
2450.0	0.616	0.733	0.796	0.828	0.883	0.902	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
2500.0	0.597	0.721	0.788	0.822	0.881	0.901	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
2550.0	0.578	0.709	0.780	0.816	0.879	0.900	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
2600.0	0.559	0.697	0.772	0.810	0.877	0.899	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
2650.0	0.540	0.685	0.764	0.804	0.875	0.898	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
2700.0	0.521	0.673	0.756	0.798	0.873	0.897	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
2750.0	0.502	0.661	0.748	0.792	0.871	0.896	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
2800.0	0.483	0.649	0.740	0.786	0.869	0.895	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
2850.0	0.464	0.637	0.732	0.780	0.867	0.894	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
2900.0	0.445	0.625	0.724	0.774	0.865	0.893	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
2950.0	0.426	0.613	0.716	0.768	0.863	0.892	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
3000.0	0.407	0.601	0.708	0.762	0.861	0.891	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
3050.0	0.388	0.589	0.700	0.756	0.859	0.890	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
3100.0	0.369	0.577	0.692	0.750	0.857	0.889	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
3150.0	0.350	0.565	0.684	0.744	0.855	0.888	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
3200.0	0.331	0.553	0.676	0.738	0.853	0.887	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
3250.0	0.312	0.541	0.668	0.732	0.851	0.886	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
3300.0	0.293	0.529	0.660	0.726	0.849	0.885	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
3350.0	0.274	0.517	0.652	0.720	0.847	0.884	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
3400.0	0.255	0.505	0.644	0.714	0.845	0.883	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
3450.0	0.236	0.493	0.636	0.708	0.843	0.882	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
3500.0	0.217	0.481	0.628	0.702	0.841	0.881	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
3550.0	0.198	0.469	0.620	0.696	0.839	0.880	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
3600.0	0.179	0.457	0.612	0.690	0.837	0.879	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
3650.0	0.160	0.445	0.604	0.684	0.835	0.878	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
3700.0	0.141	0.433	0.596	0.678	0.833	0.877	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
3750.0	0.122	0.421	0.588	0.672	0.831	0.876	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
3800.0	0.103	0.409	0.580	0.666	0.829	0.875	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
3850.0	0.084	0.397	0.572	0.660	0.827	0.874	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
3900.0	0.065	0.385	0.564	0.654	0.825	0.873	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
3950.0	0.046	0.373	0.556	0.648	0.823	0.872	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
4000.0	0.027	0.361	0.548	0.642	0.821	0.871	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
4050.0	0.008	0.349	0.540	0.636	0.819	0.870	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
4100.0	0.000	0.337	0.532	0.630	0.817	0.869	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
4150.0	0.000	0.325	0.524	0.624	0.815	0.868	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
4200.0	0.000	0.313	0.516	0.618	0.813	0.867	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
4250.0	0.000	0.301	0.508	0.612	0.811	0.866	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
4300.0	0.000	0.289	0.500	0.606	0.809	0.865	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
4350.0	0.000	0.277	0.492	0.600	0.807	0.864	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
4400.0	0.000	0.265	0.484	0.594	0.805	0.863	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
4450.0	0.000	0.253	0.476	0.588	0.803	0.862	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
4500.0	0.000	0.241	0.468	0.582	0.801	0.861	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
4550.0	0.000	0.229	0.460	0.576	0.799	0.860	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
4600.0	0.000	0.217	0.452	0.570	0.797	0.859	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
4650.0	0.000	0.205	0.444	0.564	0.795	0.858	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
4700.0	0.000	0.193	0.436	0.558	0.793	0.857	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
4750.0	0.000	0.181	0.428	0.552	0.791	0.856	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
4800.0	0.000	0.169	0.420	0.546	0.789	0.855	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
4850.0	0.000	0.157	0.412	0.540	0.787	0.854	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
4900.0	0.000	0.145	0.404	0.534	0.785	0.853	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
4950.0	0.000	0.133	0.396	0.528	0.783	0.852	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975
5000.0	0.000	0.121	0.388	0.522	0.781	0.851	0.916	0.926	0.934	0.940	0.946	0.952	0.960	0.967	0.975

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
7300.0	0.339	0.264	0.410	0.532	0.671	0.755	0.820	0.883	0.917	0.941	0.963	0.974	0.982	0.989	0.993
7350.0	0.312	0.247	0.391	0.496	0.641	0.731	0.802	0.871	0.907	0.934	0.959	0.971	0.980	0.988	0.992
7400.0	0.287	0.243	0.468	0.583	0.711	0.786	0.864	0.899	0.926	0.950	0.969	0.978	0.985	0.991	0.994
7450.0	0.259	0.363	0.508	0.620	0.760	0.840	0.882	0.911	0.937	0.956	0.973	0.981	0.987	0.992	0.995
7500.0	0.238	0.495	0.565	0.699	0.796	0.851	0.899	0.923	0.951	0.966	0.979	0.985	0.990	0.994	0.996
7550.0	0.515	0.661	0.767	0.814	0.878	0.913	0.938	0.961	0.972	0.981	0.988	0.992	0.994	0.997	0.998
7600.0	0.555	0.695	0.776	0.837	0.895	0.925	0.947	0.966	0.977	0.984	0.990	0.993	0.995	0.997	0.998
7650.0	0.609	0.735	0.806	0.860	0.911	0.937	0.955	0.972	0.980	0.986	0.992	0.994	0.996	0.998	0.999
7700.0	0.769	0.832	0.878	0.913	0.945	0.961	0.969	0.981	0.986	0.990	0.995	0.997	0.998	0.999	0.999
7750.0	0.680	0.923	0.946	0.962	0.977	0.984	0.988	0.991	0.994	0.997	0.998	0.999	0.999	1.000	1.000
7800.0	0.936	0.966	0.973	0.982	0.989	0.993	0.995	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000
7850.0	0.955	0.972	0.982	0.988	0.993	0.995	0.997	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000
7900.0	0.964	0.978	0.986	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
7950.0	0.975	0.984	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8000.0	0.973	0.984	0.990	0.993	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8050.0	0.960	0.978	0.986	0.989	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
8100.0	0.961	0.980	0.988	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
8150.0	0.928	0.955	0.969	0.978	0.987	0.992	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000
8200.0	0.872	0.914	0.942	0.959	0.978	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
8250.0	0.831	0.890	0.922	0.945	0.965	0.976	0.985	0.990	0.993	0.995	0.998	0.999	0.999	1.000	1.000
8300.0	0.835	0.893	0.924	0.944	0.966	0.976	0.983	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000
8350.0	0.797	0.850	0.891	0.921	0.949	0.965	0.975	0.985	0.989	0.992	0.995	0.997	0.998	0.999	0.999
8400.0	0.765	0.841	0.883	0.914	0.944	0.962	0.973	0.983	0.988	0.992	0.995	0.997	0.998	0.999	0.999
8450.0	0.800	0.868	0.905	0.932	0.957	0.970	0.978	0.987	0.991	0.993	0.996	0.998	0.999	0.999	1.000
8500.0	0.817	0.861	0.915	0.939	0.962	0.973	0.981	0.989	0.992	0.995	0.997	0.998	0.999	0.999	1.000
8550.0	0.837	0.893	0.925	0.947	0.967	0.977	0.984	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000
8600.0	0.825	0.886	0.919	0.942	0.964	0.975	0.983	0.989	0.993	0.995	0.997	0.998	0.999	1.000	1.000
8650.0	0.774	0.851	0.895	0.926	0.952	0.967	0.977	0.986	0.990	0.994	0.996	0.998	0.999	0.999	1.000
8700.0	0.751	0.836	0.882	0.916	0.943	0.963	0.975	0.984	0.989	0.993	0.996	0.997	0.998	0.999	0.999
8750.0	0.703	0.799	0.853	0.894	0.932	0.952	0.967	0.979	0.985	0.990	0.994	0.996	0.998	0.999	0.999
8800.0	0.616	0.728	0.795	0.844	0.900	0.928	0.949	0.963	0.976	0.985	0.991	0.994	0.996	0.998	0.999
8850.0	0.654	0.754	0.817	0.864	0.913	0.938	0.957	0.971	0.980	0.988	0.993	0.995	0.997	0.998	0.999
8900.0	0.696	0.787	0.838	0.884	0.933	0.952	0.967	0.979	0.986	0.990	0.994	0.996	0.998	0.999	0.999
8950.0	0.696	0.793	0.849	0.892	0.937	0.956	0.970	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999
9000.0	0.744	0.834	0.880	0.915	0.946	0.963	0.974	0.984	0.989	0.993	0.996	0.997	0.998	0.999	1.000
9050.0	0.813	0.878	0.913	0.939	0.962	0.975	0.982	0.989	0.993	0.995	0.997	0.998	0.999	1.000	1.000
9100.0	0.867	0.910	0.941	0.959	0.975	0.983	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000
9150.0	0.896	0.935	0.954	0.968	0.981	0.987	0.991	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9200.0	0.916	0.945	0.963	0.974	0.984	0.990	0.993	0.996	0.997	0.999	0.999	0.999	1.000	1.000	1.000
9250.0	0.934	0.955	0.970	0.979	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
9300.0	0.949	0.965	0.977	0.985	0.990	0.994	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9350.0	0.961	0.974	0.983	0.989	0.993	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9400.0	0.968	0.980	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9450.0	0.974	0.984	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9500.0	0.979	0.987	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9550.0	0.967	0.982	0.989	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9600.0	0.975	0.987	0.992	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9650.0	0.982	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9700.0	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9750.0	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9800.0	0.977	0.990	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9850.0	0.983	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9900.0	0.989	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9950.0	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
10000.0	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001

WATER VAPOR AT 1.00 ATMOSPHERE PRESSURE

T=200° K

AVERAGED OVER 100cm^{-1}

U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1050.0	0.161	0.488	0.711	0.855	0.955	0.987	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1100.0	0.103	0.401	0.640	0.810	0.934	0.978	0.994	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1150.0	0.052	0.287	0.526	0.725	0.886	0.951	0.982	0.995	0.997	0.999	1.000	1.000	1.000	1.000	1.000
1200.0	0.017	0.159	0.366	0.578	0.788	0.888	0.946	0.980	0.990	0.995	0.998	0.999	1.000	1.000	1.000
1250.0	0.003	0.058	0.188	0.374	0.618	0.763	0.862	0.938	0.966	0.982	0.992	0.996	0.998	0.999	1.000
1300.0	0.000	0.011	0.062	0.171	0.372	0.533	0.675	0.816	0.885	0.931	0.967	0.982	0.991	0.996	0.998
1350.0	0.000	0.002	0.013	0.045	0.132	0.235	0.367	0.539	0.661	0.761	0.858	0.908	0.943	0.972	0.984
1400.0	0.000	0.000	0.000	0.001	0.012	0.041	0.102	0.249	0.393	0.537	0.693	0.789	0.859	0.923	0.954
1450.0	0.000	0.000	0.000	0.000	0.000	0.001	0.013	0.074	0.165	0.286	0.465	0.592	0.701	0.814	0.877
1500.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.029	0.091	0.237	0.374	0.510	0.670	0.760
1550.0	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.023	0.066	0.131	0.268	0.394	0.521	0.670	0.763
1600.0	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.028	0.080	0.163	0.318	0.450	0.576	0.713	0.793
1650.0	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.008	0.027	0.070	0.188	0.314	0.448	0.610	0.711
1700.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.019	0.062	0.175	0.295	0.426	0.591	0.699
1750.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.051	0.131	0.289	0.425	0.556	0.705	0.793
1800.0	0.000	0.000	0.000	0.000	0.000	0.001	0.008	0.052	0.130	0.247	0.431	0.567	0.685	0.805	0.871
1850.0	0.000	0.000	0.000	0.000	0.002	0.015	0.060	0.195	0.325	0.467	0.635	0.736	0.815	0.890	0.928
1900.0	0.000	0.000	0.000	0.000	0.010	0.051	0.142	0.328	0.480	0.614	0.769	0.824	0.880	0.932	0.958
1950.0	0.000	0.000	0.001	0.013	0.078	0.178	0.310	0.491	0.613	0.716	0.819	0.877	0.920	0.958	0.975
2000.0	0.000	0.003	0.021	0.079	0.233	0.384	0.533	0.693	0.784	0.852	0.915	0.947	0.968	0.985	0.992
2050.0	0.000	0.018	0.084	0.213	0.429	0.582	0.708	0.824	0.883	0.925	0.961	0.978	0.988	0.995	0.997
2100.0	0.003	0.061	0.193	0.374	0.603	0.735	0.831	0.908	0.943	0.966	0.984	0.991	0.995	0.998	0.999
2150.0	0.020	0.159	0.350	0.547	0.748	0.848	0.913	0.958	0.977	0.988	0.995	0.997	0.999	1.000	1.000
2200.0	0.055	0.286	0.514	0.704	0.867	0.936	0.970	0.988	0.993	0.997	0.999	0.999	1.000	1.000	1.000
2250.0	0.105	0.399	0.636	0.803	0.928	0.976	0.991	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2300.0	0.151	0.481	0.710	0.856	0.956	0.990	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2350.0	0.180	0.519	0.738	0.873	0.964	0.993	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2400.0	0.200	0.543	0.755	0.882	0.970	0.994	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2450.0	0.216	0.559	0.766	0.889	0.974	0.994	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2500.0	0.226	0.568	0.772	0.893	0.975	0.993	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2550.0	0.219	0.559	0.764	0.890	0.973	0.991	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2600.0	0.184	0.506	0.712	0.853	0.953	0.980	0.991	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
2650.0	0.143	0.436	0.644	0.799	0.921	0.962	0.982	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000
2700.0	0.091	0.325	0.526	0.695	0.847	0.914	0.954	0.981	0.990	0.995	0.998	0.999	1.000	1.000	1.000
2750.0	0.059	0.253	0.445	0.621	0.794	0.881	0.935	0.972	0.986	0.993	0.997	0.999	0.999	1.000	1.000
2800.0	0.055	0.252	0.454	0.641	0.817	0.900	0.949	0.979	0.990	0.995	0.998	0.999	1.000	1.000	1.000
2850.0	0.049	0.253	0.472	0.671	0.846	0.921	0.962	0.985	0.993	0.996	0.999	0.999	1.000	1.000	1.000
2900.0	0.032	0.199	0.403	0.603	0.787	0.874	0.926	0.964	0.981	0.989	0.995	0.998	0.999	1.000	1.000
2950.0	0.008	0.084	0.223	0.405	0.621	0.743	0.828	0.902	0.937	0.961	0.981	0.989	0.994	0.996	0.999
3000.0	0.001	0.022	0.093	0.223	0.424	0.561	0.674	0.788	0.852	0.901	0.947	0.970	0.984	0.991	0.997
3050.0	0.000	0.009	0.038	0.106	0.257	0.389	0.516	0.662	0.752	0.826	0.900	0.939	0.965	0.984	0.992
3100.0	0.000	0.001	0.007	0.038	0.138	0.248	0.371	0.537	0.651	0.749	0.850	0.905	0.944	0.975	0.987
3150.0	0.000	0.002	0.020	0.070	0.185	0.294	0.413	0.571	0.677	0.767	0.859	0.910	0.946	0.975	0.987
3200.0	0.000	0.002	0.019	0.066	0.178	0.296	0.424	0.584	0.687	0.772	0.858	0.906	0.941	0.972	0.985
3250.0	0.000	0.000	0.001	0.010	0.073	0.173	0.304	0.488	0.613	0.718	0.826	0.886	0.930	0.967	0.982
3300.0	0.000	0.000	0.002	0.020	0.114	0.242	0.392	0.578	0.695	0.787	0.876	0.922	0.954	0.979	0.989
3350.0	0.000	0.000	0.005	0.040	0.178	0.337	0.500	0.680	0.780	0.852	0.917	0.949	0.970	0.986	0.993
3400.0	0.000	0.000	0.004	0.031	0.140	0.274	0.426	0.612	0.723	0.807	0.884	0.924	0.951	0.975	0.986
3450.0	0.000	0.000	0.000	0.006	0.041	0.109	0.218	0.400	0.540	0.663	0.788	0.855	0.904	0.948	0.969
3500.0	0.000	0.000	0.000	0.000	0.005	0.028	0.086	0.230	0.373	0.520	0.690	0.785	0.857	0.921	0.952
3550.0	0.000	0.000	0.000	0.000	0.000	0.004	0.022	0.090	0.180	0.301	0.479	0.606	0.716	0.828	0.890
3600.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.043	0.126	0.299	0.442	0.575	0.722	0.809
3650.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.014	0.062	0.192	0.321	0.456	0.619	0.723
3700.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.015	0.081	0.175	0.294	0.462	0.583
3750.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.013	0.050	0.151	0.258	0.377	0.530	0.631
3800.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.016	0.062	0.184	0.309	0.443	0.596	0.691
3850.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.008	0.040	0.152	0.279	0.418	0.589	0.696
3900.0	0.000	0.000	0.000	0.000	0.000	0.001	0.006	0.037	0.090	0.173	0.331	0.467	0.595	0.735	0.814
3950.0	0.000	0.000	0.000	0.001	0.016	0.051	0.119	0.251	0.371	0.498	0.656	0.755	0.833	0.904	0.940
4000.0	0.000	0.000	0.003	0.030	0.152	0.295	0.449	0.633	0.743	0.826	0.901	0.938	0.962	0.981	0.990
4050.0	0.000	0.002	0.026	0.140	0.410	0.616	0.770	0.893	0.944	0.972	0.990	0.996	0.998	0.999	1.000
4100.0	0.000	0.009	0.085	0.285	0.607	0.785	0.893	0.961	0.984	0.994	1.000	1.000	1.000	1.000	1.000
4150.0	0.000	0.028	0.163	0.403	0.703	0.845	0.925	0.974	0.990	0.997	1.000	1.000	1.000	1.000	1.000
4200.0	0.001	0.064	0.252	0.504	0.770	0.885	0.945	0.983	0.994	0.999	1.000	1.000	1.000	1.000	1.000
4250.0	0.005	0.114	0.340	0.587	0.819	0.911	0.959	0.988	0.996	0.999	1.000	1.000	1.000	1.000	1.000
4300.0	0.012	0.171	0.420	0.653	0.854	0.930	0.969	0.992	0.998	1.000	1.000	1.000	1.000	1.000	1.000
4350.0	0.024	0.230	0.487	0.706	0.880	0.943	0.976	0.994	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4400.0	0.038	0.276	0.533	0.740	0.895	0.951	0.979	0.995	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4450.0	0.043	0.278	0.522	0.722	0.876	0.937	0.971	0.990	0.996	0.998	0.999	1.000	1.000	1.000	1.000
4500.0	0.028	0.193	0.391	0.583	0.764	0.852	0.911	0.956	0.976	0.987	0.994	0.997	0.999	0.999	1.000
4550.0	0.017	0.136	0.305	0.488	0.681	0.786	0.860	0.923	0.953	0.973	0.988	0.994	0.997	0.999	0.999
4600.0	0.014	0.110	0.268	0.434	0.619	0.728	0.811	0.888	0.929	0.957	0.980	0.990	0.995	0.998	0.999
4650.0	0.016	0.123	0.271	0.432	0.606	0.709	0.790	0.870	0.916	0.949	0.976	0.987	0.994	0.997	0.999
4700.0	0.019	0.138	0.297	0.465	0.641	0.740	0.813	0.883	0.923	0.953	0.978	0.988	0.994	0.998	0.999
4750.0	0.014	0.118	0.271	0.443	0.635	0.744	0.822	0.893	0.930	0.957	0.979	0.989	0.994	0.998	0.999
4800.0	0.013	0.109	0.255	0.421	0.611	0.720	0.802	0.879	0.920	0.949	0.975	0.986	0.993	0.997	0.999
4850.0	0.026	0.165	0.335	0.504	0.684	0.778	0.847	0.909	0.940	0.962	0.981	0.989	0.995	0.998	0.999
4900.0	0.032	0.195	0.384	0.565	0.746	0.833	0.890	0.937	0.959	0.974	0.987	0.993	0.996	0.998	0.999
4950.0	0.025	0.170	0.355	0.540	0.733	0.830	0.892	0.943	0.966	0.979	0.990	0.995	0.997	0.999	1.000
5000.0	0.015	0.122	0.276	0.452	0.657	0.774	0.854	0.922	0.953	0.973	0.988	0.994	0.997	0.999	0.999
5050.0	0.003	0.045	0.146	0.301	0.524	0.668	0.776	0.872	0.920	0.951	0.977	0.988	0.994	0.997	0.999
5100.0	0.000	0.015	0.066	0.164	0.345	0.492	0.627	0.769	0.848	0.904	0.952	0.973	0.986	0.994	0.997
5150.0	0.000	0.001	0.010	0.037	0.119	0.224	0.357	0.543	0.667	0.769	0.867	0.916	0.950	0.977	0.987
5200.0	0.000	0.000	0.000	0.001	0.013	0.050	0.127	0.285	0.424	0.560	0.712	0.801	0.868	0.927	0.956
5250.0	0.000	0.000	0.000	0.000	0.001	0.012	0.056	0.185	0.320	0.463	0.633	0.736	0.816	0.891	0.929
5300.0	0.000	0.000	0.000	0.000	0.001	0.007	0.035	0.126	0.235	0.361	0.523	0.628	0.714	0.805	0.859
5350.0	0.000	0.000	0.000	0.000	0.001	0.009	0.042	0.146	0.262	0.390	0.548	0.649	0.732	0.819	0.871
5400.0	0.000	0.000	0.000	0.000	0.001	0.014	0.064	0.209	0.354	0.499	0.663	0.761	0.835	0.902	0.937
5450.0	0.000	0.000	0.000	0.000	0.006	0.029	0.092	0.244	0.385	0.523	0.680	0.771	0.840	0.904	0.933
5500.0	0.000	0.000	0.002	0.012	0.057	0.126	0.229	0.396	0.524	0.641	0.766	0.837	0.891	0.939	0.963
5550.0	0.007	0.024	0.074	0.154	0.296	0.416	0.540	0.687	0.777	0.847	0.913	0.946	0.968	0.986	0.992
5600.0	0.023	0.141	0.292	0.458	0.648	0.759	0.841	0.913	0.948	0.970	0.987	0.993	0.997	0.999	0.999
5650.0	0.110	0.365	0.571	0.734	0.875	0.933	0.966	0.987	0.993	0.997	0.999	0.999	1.000	1.000	1.000
5700.0	0.213	0.535	0.730	0.860	0.949	0.978	0.992	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5750.0	0.305	0.623	0.791	0.898	0.965	0.986	0.995	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5800.0	0.404	0.710	0.849	0.933	0.981	0.994	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5850.0	0.472	0.757	0.878	0.948	0.987	0.995	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5900.0	0.504	0.773	0.887	0.952	0.988	0.995	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5950.0	0.471	0.730	0.850	0.924	0.970	0.985	0.993	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
6000.0	0.363	0.612	0.747	0.843	0.917	0.950	0.971	0.987	0.993	0.996	0.998	0.999	1.000	1.000	1.000
6050.0	0.362	0.606	0.740	0.835	0.910	0.945	0.967	0.984	0.992	0.996	0.998	0.999	1.000	1.000	1.000
6100.0	0.321	0.554	0.685	0.783	0.868	0.914	0.946	0.974	0.986	0.993	0.997	0.999	0.999	1.000	1.000
6150.0	0.269	0.490	0.627	0.733	0.832	0.887	0.928	0.965	0.981	0.990	0.996	0.998	0.999	1.000	1.000
6200.0	0.261	0.480	0.622	0.732	0.835	0.891	0.931	0.966	0.981	0.990	0.996	0.998	0.999	1.000	1.000
6250.0	0.174	0.387	0.547	0.680	0.809	0.877	0.923	0.962	0.979	0.989	0.995	0.998	0.999	1.000	1.000
6300.0	0.116	0.303	0.467	0.618	0.772	0.856	0.912	0.957	0.977	0.988	0.995	0.997	0.999	1.000	1.000
6350.0	0.065	0.213	0.370	0.533	0.719	0.824	0.895	0.952	0.974	0.987	0.995	0.997	0.999	1.000	1.000
6400.0	0.061	0.201	0.342	0.495	0.687	0.803	0.885	0.949	0.973	0.986	0.994	0.997	0.999	0.999	1.000
6450.0	0.044	0.145	0.267	0.413	0.614	0.748	0.849	0.931	0.964	0.981	0.992	0.996	0.998	0.999	1.000
6500.0	0.026	0.124	0.254	0.409	0.614	0.745	0.844	0.927	0.962	0.980	0.992	0.996	0.998	0.999	1.000
6550.0	0.048	0.181	0.332	0.493	0.686	0.797	0.878	0.946	0.970	0.985	0.994	0.997	0.998	0.999	1.000
6600.0	0.072	0.237	0.399	0.556	0.728	0.823	0.891	0.947	0.971	0.984	0.994	0.997	0.998	0.999	1.000
6650.0	0.083	0.256	0.418	0.568	0.729	0.817	0.881	0.934	0.964	0.981	0.992	0.996	0.998	0.999	1.000
6700.0	0.045	0.149	0.267	0.408	0.574	0.689	0.783	0.877	0.925	0.957	0.981	0.990	0.995	0.998	0.999
6750.0	0.004	0.036	0.104	0.212	0.391	0.531	0.656	0.788	0.862	0.915	0.958	0.977	0.988	0.995	0.998
6800.0	0.001	0.021	0.077	0.179	0.356	0.497	0.627	0.764	0.841	0.898	0.948	0.971	0.984	0.994	0.997
6850.0	0.000	0.010	0.049	0.131	0.293	0.429	0.556	0.697	0.781	0.847	0.911	0.945	0.968	0.986	0.993
6900.0	0.000	0.005	0.030	0.094	0.234	0.361	0.489	0.634	0.735	0.813	0.891	0.932	0.961	0.983	0.991
6950.0	0.000	0.003	0.029	0.085	0.222	0.352	0.487	0.650	0.751	0.831	0.907	0.946	0.970	0.987	0.993
7000.0	0.000	0.002	0.014	0.056	0.171	0.290	0.448	0.619	0.733	0.822	0.905	0.945	0.970	0.987	0.993
7050.0	0.000	0.000	0.004	0.023	0.100	0.207	0.342	0.530	0.660	0.767	0.871	0.923	0.956	0.981	0.990
7100.0	0.000	0.000	0.001	0.010	0.061	0.146	0.260	0.438	0.571	0.689	0.812	0.880	0.928	0.966	0.982
7150.0	0.000	0.000	0.000	0.002	0.025	0.082	0.183	0.360	0.500	0.629	0.768	0.846	0.903	0.952	0.974
7200.0	0.000	0.000	0.000	0.000	0.006	0.031	0.086	0.206	0.322	0.448	0.611	0.719	0.808	0.896	0.937
7250.0	0.000	0.000	0.000	0.001	0.013	0.049	0.113	0.238	0.353	0.475	0.638	0.733	0.817	0.899	0.940
7300.0	0.000	0.000	0.000	0.001	0.014	0.056	0.136	0.293	0.431	0.564	0.714	0.801	0.868	0.929	0.958
7350.0	0.000	0.000	0.000	0.001	0.013	0.048	0.117	0.261	0.394	0.529	0.688	0.783	0.857	0.925	0.957
7400.0	0.000	0.000	0.001	0.007	0.042	0.109	0.214	0.388	0.525	0.650	0.787	0.863	0.918	0.961	0.979
7450.0	0.000	0.000	0.001	0.008	0.052	0.131	0.249	0.433	0.571	0.691	0.817	0.886	0.933	0.970	0.984
7500.0	0.000	0.000	0.005	0.031	0.123	0.231	0.357	0.527	0.643	0.741	0.842	0.898	0.938	0.971	0.984
7550.0	0.000	0.001	0.014	0.069	0.227	0.376	0.518	0.673	0.763	0.831	0.897	0.931	0.956	0.978	0.988
7600.0	0.000	0.003	0.027	0.097	0.264	0.412	0.550	0.698	0.783	0.846	0.907	0.939	0.962	0.981	0.990
7650.0	0.011	0.052	0.117	0.220	0.398	0.534	0.654	0.778	0.847	0.897	0.943	0.965	0.980	0.991	0.996
7700.0	0.123	0.277	0.405	0.530	0.678	0.769	0.841	0.908	0.942	0.965	0.984	0.991	0.996	0.998	0.999
7750.0	0.331	0.568	0.713	0.825	0.902	0.940	0.965	0.984	0.992	0.996	0.998	0.999	1.000	1.000	1.000
7800.0	0.541	0.758	0.862	0.923	0.962	0.979	0.988	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000
7850.0	0.620	0.815	0.897	0.941	0.971	0.983	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
7900.0	0.683	0.854	0.919	0.954	0.976	0.986	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
7950.0	0.786	0.919	0.962	0.981	0.992	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8000.0	0.786	0.914	0.956	0.976	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
8050.0	0.702	0.848	0.909	0.945	0.974	0.986	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
8100.0	0.578	0.751	0.837	0.894	0.943	0.967	0.981	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
8150.0	0.511	0.697	0.796	0.863	0.924	0.954	0.973	0.988	0.994	0.997	0.999	0.999	1.000	1.000	1.000
8200.0	0.334	0.512	0.632	0.733	0.839	0.897	0.939	0.972	0.985	0.992	0.997	0.998	0.999	1.000	1.000
8250.0	0.158	0.328	0.469	0.599	0.745	0.830	0.892	0.946	0.970	0.984	0.993	0.997	0.998	0.999	1.000
8300.0	0.129	0.290	0.430	0.563	0.713	0.802	0.869	0.931	0.960	0.979	0.991	0.995	0.998	0.999	1.000
8350.0	0.080	0.227	0.365	0.499	0.654	0.749	0.824	0.897	0.936	0.963	0.983	0.991	0.996	0.998	0.999
8400.0	0.091	0.248	0.388	0.518	0.663	0.751	0.821	0.893	0.932	0.960	0.982	0.990	0.995	0.998	0.999
8450.0	0.098	0.266	0.411	0.544	0.691	0.777	0.845	0.911	0.946	0.969	0.986	0.993	0.996	0.999	0.999
8500.0	0.132	0.308	0.449	0.578	0.719	0.802	0.867	0.927	0.957	0.976	0.990	0.995	0.997	0.999	0.999
8550.0	0.244	0.425	0.555	0.668	0.790	0.860	0.913	0.957	0.977	0.988	0.995	0.997	0.999	0.999	1.000
8600.0	0.246	0.430	0.565	0.684	0.808	0.878	0.928	0.967	0.983	0.991	0.996	0.998	0.999	1.000	1.000
8650.0	0.113	0.271	0.415	0.557	0.717	0.811	0.881	0.940	0.966	0.982	0.992	0.996	0.998	0.999	1.000
8700.0	0.035	0.145	0.279	0.431	0.617	0.732	0.820	0.900	0.939	0.964	0.984	0.991	0.996	0.998	0.999
8750.0	0.021	0.109	0.228	0.369	0.552	0.671	0.768	0.863	0.912	0.946	0.974	0.986	0.993	0.997	0.999
8800.0	0.014	0.079	0.172	0.290	0.456	0.575	0.680	0.792	0.857	0.906	0.951	0.972	0.985	0.994	0.997
8850.0	0.010	0.067	0.159	0.280	0.451	0.571	0.674	0.784	0.849	0.898	0.946	0.969	0.983	0.993	0.996
8900.0	0.009	0.066	0.161	0.292	0.480	0.612	0.723	0.834	0.893	0.934	0.968	0.983	0.991	0.996	0.998
8950.0	0.043	0.126	0.230	0.359	0.539	0.663	0.767	0.870	0.922	0.955	0.980	0.990	0.995	0.998	0.999
9000.0	0.102	0.247	0.382	0.520	0.682	0.782	0.860	0.930	0.962	0.980	0.992	0.996	0.998	0.999	1.000
9050.0	0.163	0.347	0.493	0.623	0.762	0.841	0.900	0.953	0.972	0.985	0.994	0.997	0.998	0.999	1.000
9100.0	0.230	0.435	0.578	0.697	0.814	0.877	0.922	0.960	0.977	0.988	0.995	0.997	0.999	0.999	1.000
9150.0	0.327	0.536	0.667	0.768	0.861	0.908	0.941	0.969	0.982	0.990	0.996	0.998	0.999	1.000	1.000
9200.0	0.419	0.612	0.727	0.812	0.888	0.927	0.954	0.977	0.987	0.993	0.997	0.999	0.999	1.000	1.000
9250.0	0.583	0.738	0.821	0.881	0.933	0.958	0.975	0.989	0.994	0.997	0.999	0.999	1.000	1.000	1.000
9300.0	0.767	0.867	0.915	0.947	0.974	0.985	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9350.0	0.871	0.935	0.963	0.979	0.991	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9400.0	0.939	0.976	0.989	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9450.0	0.955	0.983	0.992	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9500.0	0.942	0.977	0.989	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9550.0	0.913	0.962	0.980	0.990	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9600.0	0.845	0.918	0.951	0.973	0.988	0.994	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9650.0	0.709	0.826	0.888	0.934	0.969	0.984	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9700.0	0.591	0.740	0.825	0.889	0.944	0.969	0.983	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
9750.0	0.508	0.675	0.773	0.848	0.916	0.950	0.972	0.988	0.994	0.997	0.999	0.999	1.000	1.000	1.000
9800.0	0.463	0.638	0.739	0.817	0.890	0.929	0.956	0.979	0.989	0.994	0.998	0.999	0.999	1.000	1.000
9850.0	0.418	0.595	0.700	0.784	0.865	0.910	0.944	0.973	0.986	0.993	0.997	0.999	0.999	1.000	1.000
9900.0	0.410	0.590	0.698	0.784	0.867	0.914	0.948	0.975	0.987	0.993	0.997	0.999	0.999	1.000	1.000
9950.0	0.485	0.640	0.758	0.832	0.903	0.940	0.965	0.984	0.992	0.996	0.998	0.999	1.000	1.000	1.000

U(PR.CM.)

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001

WATER VAPOR AT 0.50 ATMOSPHERE PRESSURE

T=200° K

AVERAGED OVER 100 cm^{-1}

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1050.0	0.401	0.704	0.851	0.935	0.984	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1100.0	0.314	0.631	0.801	0.904	0.974	0.992	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1150.0	0.268	0.593	0.769	0.886	0.960	0.987	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1200.0	0.254	0.584	0.763	0.882	0.957	0.986	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1250.0	0.253	0.581	0.759	0.880	0.956	0.985	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1300.0	0.255	0.592	0.760	0.881	0.957	0.986	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1350.0	0.261	0.612	0.767	0.887	0.961	0.988	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1400.0	0.000	0.000	0.001	0.007	0.037	0.093	0.187	0.362	0.584	0.830	0.962	0.993	0.999	1.000	1.000
1450.0	0.000	0.000	0.000	0.000	0.000	0.001	0.007	0.030	0.084	0.224	0.579	0.879	0.979	0.998	1.000
1500.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.009	0.027	0.094	0.256	0.594	0.890	0.983
1550.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.004	0.016	0.049	0.173	0.503	0.844
1600.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.003	0.010	0.042	0.178	0.557
1650.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.002	0.011	0.054	0.230
1700.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.003	0.016	0.076
1750.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.005	0.024
1800.0	0.000	0.000	0.000	0.000	0.001	0.007	0.034	0.124	0.336	0.669	0.906	0.979	0.997	1.000	1.000
1850.0	0.000	0.000	0.000	0.001	0.016	0.058	0.166	0.353	0.590	0.828	0.955	0.992	0.999	1.000	1.000
1900.0	0.000	0.000	0.000	0.005	0.049	0.138	0.270	0.466	0.698	0.886	0.968	0.994	0.999	1.000	1.000
1950.0	0.000	0.000	0.001	0.013	0.096	0.224	0.368	0.583	0.783	0.929	0.980	0.997	0.999	1.000	1.000
2000.0	0.001	0.002	0.007	0.024	0.154	0.322	0.477	0.699	0.855	0.960	0.991	0.998	1.000	1.000	1.000
2050.0	0.004	0.011	0.027	0.047	0.221	0.427	0.591	0.805	0.919	0.981	0.996	0.999	1.000	1.000	1.000
2100.0	0.009	0.024	0.054	0.083	0.296	0.537	0.707	0.896	0.966	0.992	0.998	1.000	1.000	1.000	1.000
2150.0	0.019	0.046	0.093	0.133	0.383	0.652	0.817	0.957	0.989	0.997	0.999	1.000	1.000	1.000	1.000
2200.0	0.038	0.080	0.151	0.201	0.484	0.761	0.907	0.983	0.996	0.999	1.000	1.000	1.000	1.000	1.000
2250.0	0.071	0.135	0.236	0.296	0.597	0.853	0.963	0.994	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2300.0	0.126	0.217	0.353	0.419	0.717	0.925	0.987	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2350.0	0.214	0.334	0.500	0.570	0.829	0.967	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2400.0	0.348	0.500	0.677	0.750	0.918	0.987	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2450.0	0.547	0.734	0.868	0.919	0.972	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2500.0	0.827	0.931	0.969	0.985	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2550.0	0.972	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2600.0	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2650.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2700.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2750.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2800.0	0.179	0.421	0.598	0.732	0.894	0.981	0.995	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2850.0	0.173	0.431	0.620	0.760	0.921	0.986	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2900.0	0.132	0.374	0.565	0.719	0.896	0.979	0.995	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2950.0	0.051	0.218	0.364	0.552	0.765	0.951	0.993	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3000.0	0.011	0.084	0.213	0.363	0.548	0.862	0.972	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3050.0	0.004	0.036	0.102	0.204	0.379	0.705	0.917	0.989	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3100.0	0.002	0.017	0.056	0.124	0.260	0.541	0.837	0.973	0.997	1.000	1.000	1.000	1.000	1.000	1.000
3150.0	0.001	0.010	0.047	0.114	0.244	0.501	0.819	0.969	0.997	1.000	1.000	1.000	1.000	1.000	1.000
3200.0	0.001	0.010	0.051	0.123	0.261	0.523	0.838	0.974	0.997	1.000	1.000	1.000	1.000	1.000	1.000
3250.0	0.000	0.008	0.047	0.114	0.244	0.501	0.819	0.969	0.997	1.000	1.000	1.000	1.000	1.000	1.000
3300.0	0.000	0.002	0.019	0.079	0.232	0.537	0.814	0.975	0.765	0.935	0.981	0.996	0.999	1.000	1.000
3350.0	0.000	0.000	0.008	0.039	0.161	0.426	0.726	0.944	0.993	0.998	0.997	0.999	1.000	1.000	1.000
3400.0	0.000	0.000	0.004	0.029	0.100	0.283	0.612	0.916	0.784	0.956	0.992	0.998	1.000	1.000	1.000
3450.0	0.000	0.000	0.000	0.007	0.026	0.103	0.298	0.733	0.945	0.774	0.960	0.996	0.999	1.000	1.000
3500.0	0.000	0.000	0.000	0.002	0.010	0.044	0.146	0.506	0.833	0.887	0.958	0.992	0.998	1.000	1.000
3550.0	0.000	0.000	0.000	0.000	0.003	0.021	0.064	0.270	0.704	0.416	0.868	0.988	0.775	0.962	0.995
3600.0	0.000	0.000	0.000	0.000	0.000	0.000	0.026	0.139	0.574	0.236	0.771	0.962	0.563	0.788	0.967
3650.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3700.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3750.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3800.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3850.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3900.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3950.0	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4000.0	0.000	0.000	0.003	0.024	0.110	0.284	0.576	0.729	0.889	0.878	0.926	0.991	0.968	0.994	0.998
4050.0	0.000	0.002	0.027	0.126	0.332	0.603	0.856	0.937	0.995	0.981	0.992	0.998	0.998	0.999	1.000
4100.0	0.001	0.003	0.061	0.277	0.578	0.778	0.944	0.983	0.998	0.996	0.998	1.000	1.000	1.000	1.000
4150.0	0.012	0.018	0.194	0.594	0.831	0.948	0.988	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4200.0	0.031	0.064	0.446	0.772	0.932	0.983	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4250.0	0.065	0.136	0.583	0.872	0.970	0.994	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4300.0	0.109	0.218	0.693	0.917	0.989	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4350.0	0.157	0.296	0.785	0.949	0.993	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4400.0	0.197	0.359	0.835	0.964	0.997	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4450.0	0.221	0.395	0.864	0.972	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4500.0	0.234	0.414	0.877	0.976	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4550.0	0.241	0.424	0.884	0.978	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4600.0	0.243	0.428	0.886	0.979	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4650.0	0.244	0.429	0.887	0.979	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4700.0	0.244	0.429	0.887	0.979	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4750.0	0.244	0.429	0.887	0.979	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4800.0	0.244	0.429	0.887	0.979	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4850.0	0.244	0.429	0.887	0.979	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4900.0	0.244	0.429	0.887	0.979	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4950.0	0.244	0.429	0.887	0.979	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5000.0	0.244	0.429	0.887	0.979	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5050.0	0.534	0.727	0.823	0.884	0.933	0.957	0.972	0.986	0.992	0.996	0.998	0.999	1.000	1.000	1.000
5100.0	0.486	0.669	0.766	0.833	0.896	0.929	0.956	0.976	0.987	0.994	0.997	0.999	1.000	1.000	1.000
5150.0	0.421	0.606	0.711	0.788	0.865	0.906	0.938	0.968	0.982	0.992	0.996	0.999	1.000	1.000	1.000
5200.0	0.411	0.601	0.709	0.798	0.868	0.910	0.943	0.970	0.984	0.993	0.997	0.999	1.000	1.000	1.000
5250.0	0.511	0.718	0.847	0.930	0.967	0.981	0.988	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
5300.0	0.277	0.427	0.571	0.694	0.816	0.888	0.935	0.967	0.978	0.988	0.995	0.997	0.999	1.000	1.000
5350.0	0.149	0.327	0.474	0.616	0.765	0.862	0.907	0.959	0.975	0.987	0.994	0.997	0.999	1.000	1.000
5400.0	0.101	0.306	0.461	0.596	0.752	0.856	0.904	0.957	0.974	0.987	0.994	0.997	0.999	1.000	1.000
5450.0	0.109	0.338	0.504	0.632	0.778	0.871	0.914	0.964	0.976	0.988	0.995	0.997	0.999	1.000	1.000
5500.0	0.079	0.322	0.508	0.634	0.779	0.872	0.914	0.964	0.976	0.988	0.995	0.997	0.999	1.000	1.000
5550.0	0.125	0.299	0.447	0.588	0.761	0.859	0.893	0.948	0.971	0.983	0.994	0.997	0.998	0.999	1.000
5600.0	0.171	0.366	0.513	0.644	0.781	0.855	0.888	0.943	0.973	0.989	0.996	0.997	0.999	1.000	1.000
5650.0	0.184	0.380	0.527	0.654	0.783	0.853	0.884	0.941	0.973	0.989	0.996	0.997	0.998	0.999	1.000
5700.0	0.182	0.376	0.521	0.647	0.777	0.851	0.882	0.940	0.972	0.989	0.996	0.997	0.998	0.999	1.000
5750.0	0.175	0.365	0.504	0.631	0.764	0.844	0.876	0.936	0.970	0.988	0.995	0.997	0.998	0.999	1.000
5800.0	0.004	0.048	0.163	0.298	0.473	0.681	0.789	0.917	0.875	0.930	0.979	0.993	0.995	0.997	0.999
5850.0	0.001	0.043	0.163	0.298	0.473	0.679	0.789	0.917	0.875	0.930	0.979	0.993	0.995	0.997	0.999
5900.0	0.002	0.020	0.096	0.179	0.344	0.568	0.692	0.711	0.788	0.926	0.962	0.983	0.993	0.997	0.999
5950.0	0.001	0.022	0.077	0.172	0.336	0.569	0.693	0.728	0.807	0.867	0.929	0.953	0.972	0.988	0.996
6000.0	0.001	0.013	0.052	0.128	0.262	0.494	0.592	0.705	0.790	0.856	0.920	0.951	0.972	0.988	0.996
6050.0	0.000	0.004	0.021	0.068	0.193	0.370	0.456	0.621	0.724	0.831	0.896	0.933	0.960	0.982	0.994
6100.0	0.000	0.001	0.009	0.039	0.133	0.263	0.370	0.542	0.656	0.787	0.868	0.917	0.950	0.976	0.991
6150.0	0.000	0.000	0.002	0.016	0.076	0.167	0.272	0.473	0.599	0.746	0.836	0.897	0.939	0.968	0.986
6200.0	0.000	0.000	0.000	0.005	0.036	0.094	0.184	0.394	0.541	0.704	0.804	0.877	0.927	0.960	0.981
6250.0	0.000	0.000	0.001	0.007	0.044	0.104	0.198	0.334	0.451	0.644	0.701	0.785	0.851	0.915	0.957

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
7300.0	0.000	0.000	0.001	0.007	0.040	0.125	0.235	0.610	0.841	0.656	0.777	0.844	0.9[illegible]	[illegible]	0.944
7350.0	0.000	0.000	0.001	0.008	0.042	0.107	0.207	0.376	0.505	0.629	0.754	0.828	0	[illegible]	0.941
7400.0	0.000	0.001	0.006	0.025	0.100	0.199	0.324	0.498	0.619	0.727	0.827	0.886	[illegible]	0.965	0.981
7450.0	0.000	0.001	0.005	0.022	0.121	0.232	0.364	0.562	0.657	0.754	0.851	0.903	[illegible]	0.972	0.985
7500.0	0.000	0.000	0.002	0.009	0.059	0.220	0.342	0.623	0.720	0.798	0.876	0.917	[illegible]	0.973	0.985
7550.0	0.000	0.003	0.046	0.173	0.362	0.564	0.627	0.752	0.822	0.874	0.922	0.947	0.965	0.981	0.989
7600.0	0.001	0.025	0.092	0.208	0.398	0.537	0.653	0.774	0.838	0.886	0.929	0.952	0.969	0.984	0.991
7650.0	0.006	0.111	0.251	0.340	0.519	0.638	0.734	0.832	0.883	0.921	0.945	0.971	0.982	0.992	0.996
7700.0	0.022	0.206	0.370	0.423	0.597	0.698	0.776	0.857	0.903	0.931	0.955	0.972	0.986	0.993	0.996
7750.0	0.078	0.379	0.586	0.580	0.720	0.799	0.849	0.907	0.933	0.948	0.965	0.982	0.990	0.995	0.998
7800.0	0.471	0.698	0.848	0.838	0.948	0.981	0.990	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000
7850.0	0.740	0.871	0.925	0.954	0.978	0.993	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
7900.0	0.791	0.901	0.942	0.964	0.980	0.993	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
7950.0	0.873	0.948	0.973	0.985	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8000.0	0.871	0.943	0.968	0.981	0.991	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
8050.0	0.881	0.892	0.931	0.956	0.977	0.987	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
8100.0	0.693	0.815	0.876	0.917	0.953	0.971	0.983	0.992	0.996	0.998	0.999	1.000	1.000	1.000	1.000
8150.0	0.432	0.773	0.863	0.896	0.939	0.963	0.977	0.989	0.994	0.997	0.999	1.000	1.000	1.000	1.000
8200.0	0.192	0.610	0.708	0.788	0.869	0.916	0.944	0.976	0.986	0.992	0.997	0.998	0.999	1.000	1.000
8250.0	0.270	0.449	0.575	0.685	0.799	0.863	0.911	0.953	0.973	0.985	0.994	0.997	0.998	0.999	1.000
8300.0	0.236	0.465	0.565	0.660	0.779	0.864	0.895	0.942	0.965	0.980	0.991	0.995	0.998	0.999	1.000
8350.0	0.115	0.365	0.475	0.598	0.725	0.800	0.859	0.916	0.944	0.967	0.985	0.991	0.996	0.998	0.999
8400.0	0.182	0.369	0.477	0.612	0.732	0.802	0.858	0.913	0.943	0.964	0.983	0.991	0.995	0.998	0.999
8450.0	0.276	0.392	0.527	0.642	0.761	0.828	0.880	0.928	0.954	0.972	0.987	0.993	0.996	0.999	0.999
8500.0	0.249	0.433	0.560	0.678	0.783	0.847	0.895	0.940	0.963	0.978	0.990	0.995	0.997	0.999	0.999
8550.0	0.344	0.536	0.666	0.759	0.854	0.897	0.927	0.962	0.978	0.988	0.995	0.997	0.999	1.000	1.000
8600.0	0.364	0.557	0.692	0.768	0.864	0.898	0.934	0.965	0.981	0.990	0.995	0.998	0.999	1.000	1.000
8650.0	0.209	0.387	0.524	0.646	0.778	0.847	0.900	0.947	0.969	0.983	0.993	0.996	0.998	0.999	1.000
8700.0	0.102	0.262	0.403	0.544	0.694	0.788	0.856	0.918	0.948	0.969	0.985	0.992	0.996	0.998	0.999
8750.0	0.073	0.209	0.341	0.475	0.636	0.735	0.814	0.888	0.927	0.954	0.977	0.987	0.993	0.997	0.999
8800.0	0.051	0.196	0.286	0.386	0.541	0.645	0.735	0.829	0.882	0.921	0.957	0.975	0.986	0.994	0.997
8850.0	0.042	0.164	0.261	0.387	0.546	0.649	0.736	0.827	0.878	0.917	0.953	0.972	0.985	0.993	0.996
8900.0	0.045	0.171	0.271	0.413	0.587	0.697	0.784	0.869	0.913	0.945	0.973	0.983	0.993	0.996	0.998
8950.0	0.092	0.215	0.328	0.469	0.630	0.732	0.813	0.892	0.932	0.960	0.981	0.990	0.995	0.998	0.999
9000.0	0.166	0.292	0.385	0.488	0.643	0.742	0.822	0.896	0.934	0.961	0.982	0.990	0.995	0.998	0.999
9050.0	0.274	0.460	0.589	0.699	0.810	0.871	0.916	0.956	0.974	0.986	0.994	0.997	0.998	0.999	1.000
9100.0	0.360	0.552	0.672	0.766	0.856	0.903	0.937	0.966	0.980	0.988	0.995	0.997	0.999	1.000	1.000
9150.0	0.358	0.548	0.670	0.764	0.854	0.902	0.936	0.965	0.979	0.988	0.995	0.997	0.999	1.000	1.000
9200.0	0.339	0.701	0.791	0.856	0.915	0.943	0.963	0.980	0.988	0.993	0.997	0.999	1.000	1.000	1.000
9250.0	0.681	0.802	0.865	0.909	0.947	0.966	0.979	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000
9300.0	0.831	0.901	0.935	0.957	0.977	0.987	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9350.0	0.910	0.951	0.970	0.982	0.993	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
9400.0	0.962	0.983	0.991	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9450.0	0.975	0.988	0.993	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9500.0	0.963	0.983	0.991	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9550.0	0.968	0.970	0.983	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9600.0	0.887	0.937	0.968	0.976	0.989	0.996	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9650.0	0.775	0.861	0.908	0.942	0.971	0.986	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9700.0	0.681	0.796	0.861	0.908	0.945	0.972	0.985	0.993	0.997	0.999	0.999	1.000	1.000	1.000	1.000
9750.0	0.619	0.752	0.829	0.881	0.932	0.957	0.973	0.988	0.994	0.997	0.999	0.999	1.000	1.000	1.000
9800.0	0.579	0.718	0.796	0.855	0.911	0.941	0.962	0.981	0.990	0.994	0.998	0.999	1.000	1.000	1.000
9850.0	0.532	0.677	0.762	0.828	0.892	0.927	0.952	0.976	0.988	0.993	0.997	0.999	0.999	1.000	1.000
9900.0	0.526	0.677	0.765	0.832	0.896	0.930	0.955	0.977	0.988	0.993	0.997	0.999	0.999	1.000	1.000
9950.0	0.593	0.734

WATER VAPOR AT 0.20 ATMOSPHERE PRESSURE

T=200° K

AVERAGED OVER 100 cm^{-1}

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
				UPR.CM.)											
1050.0	0.700	0.879	0.949	0.984	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1100.0	0.623	0.853	0.930	0.967	0.991	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1150.0	0.505	0.767	0.858	0.927	0.971	0.989	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000
1200.0	0.344	0.602	0.752	0.851	0.926	0.964	0.981	0.993	0.995	0.998	0.999	0.999	1.000	1.000	1.000
1250.0	0.174	0.408	0.574	0.711	0.833	0.896	0.952	0.979	0.989	0.995	0.998	0.999	1.000	1.000	1.000
1300.0	0.056	0.194	0.355	0.480	0.664	0.768	0.872	0.928	0.958	0.983	0.995	0.998	0.999	1.000	1.000
1350.0	0.011	0.054	0.117	0.207	0.356	0.476	0.599	0.721	0.789	0.880	0.956	0.984	0.996	0.999	1.000
1400.0	0.000	0.008	0.022	0.051	0.111	0.212	0.339	0.515	0.634	0.753	0.885	0.953	0.988	0.998	1.000
1450.0	0.000	0.000	0.000	0.001	0.018	0.061	0.134	0.289	0.419	0.564	0.790	0.896	0.972	0.995	1.000
1500.0	0.000	0.000	0.000	0.000	0.000	0.005	0.025	0.105	0.211	0.360	0.611	0.806	0.944	0.990	1.000
1550.0	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.027	0.061	0.168	0.367	0.626	0.883	0.975	0.999
1600.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.027	0.074	0.183	0.394	0.753	0.939	0.997
1650.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.007	0.029	0.084	0.192	0.490	0.839	0.988
1700.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.010	0.038	0.104	0.268	0.684	0.955
1750.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.003	0.018	0.057	0.166	0.494	0.888
1800.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.008	0.030	0.102	0.339	0.795
1850.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.015	0.061	0.227	0.685
1900.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.007	0.035	0.147	0.564
1950.0	0.001	0.002	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.018	0.091	0.440
2000.0	0.009	0.024	0.064	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.008	0.052	0.321
2050.0	0.079	0.252	0.511	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.027	0.217
2100.0	0.185	0.513	0.776	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.012	0.135
2150.0	0.332	0.697	0.917	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.076
2200.0	0.469	0.824	0.969	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.040
2250.0	0.613	0.920	0.989	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.020
2300.0	0.848	0.980	0.997	0.987	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2350.0	0.932	0.997	0.999	0.992	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2400.0	0.961	0.999	1.000	0.993	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2450.0	0.974	0.999	1.000	0.993	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2500.0	0.979	0.999	1.000	0.993	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2550.0	0.748	0.904	0.965	0.986	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2600.0	0.680	0.878	0.957	0.984	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2650.0	0.610	0.793	0.878	0.925	0.960	0.976	0.986	0.994	0.997	0.998	1.000	1.000	1.000	1.000	1.000
2700.0	0.402	0.643	0.776	0.864	0.929	0.962	0.978	0.990	0.995	0.998	0.999	1.000	1.000	1.000	1.000
2750.0	0.196	0.397	0.710	0.796	0.876	0.919	0.950	0.976	0.987	0.995	0.997	0.999	1.000	1.000	1.000
2800.0	0.402	0.611	0.729	0.816	0.884	0.932	0.960	0.981	0.990	0.995	0.998	0.999	1.000	1.000	1.000
2850.0	0.410	0.635	0.753	0.839	0.911	0.947	0.970	0.987	0.993	0.996	0.999	0.999	1.000	1.000	1.000
2900.0	0.356	0.593	0.721	0.814	0.892	0.937	0.964	0.983	0.992	0.996	0.998	0.999	1.000	1.000	1.000
2950.0	0.200	0.429	0.578	0.702	0.818	0.875	0.915	0.948	0.965	0.977	0.987	0.992	0.998	0.999	1.000
3000.0	0.085	0.252	0.390	0.535	0.684	0.760	0.830	0.897	0.931	0.960	0.979	0.989	0.997	0.999	1.000
3050.0	0.035	0.128	0.242	0.370	0.532	0.638	0.724	0.817	0.868	0.907	0.942	0.961	0.985	0.997	0.999
3100.0	0.007	0.052	0.130	0.234	0.391	0.512	0.621	0.741	0.811	0.865	0.916	0.943	0.980	0.996	0.999
3150.0	0.018	0.084	0.171	0.277	0.428	0.544	0.647	0.761	0.826	0.876	0.922	0.947	0.985	0.997	0.999
3200.0	0.017	0.079	0.165	0.277	0.428	0.546	0.648	0.767	0.831	0.881	0.926	0.950	0.986	0.997	0.999
3250.0	0.001	0.016	0.067	0.161	0.328	0.461	0.582	0.715	0.791	0.850	0.906	0.935	0.984	0.996	0.999
3300.0	0.002	0.032	0.105	0.225	0.413	0.544	0.659	0.774	0.838	0.886	0.930	0.953	0.970	0.984	0.994
3350.0	0.004	0.054	0.126	0.246	0.421	0.545	0.650	0.762	0.827	0.877	0.926	0.949	0.969	0.984	0.994
3400.0	0.004	0.065	0.139	0.254	0.447	0.583	0.698	0.805	0.862	0.903	0.940	0.959	0.976	0.986	0.995
3450.0	0.000	0.009	0.037	0.098	0.258	0.382	0.520	0.664	0.738	0.803	0.868	0.904	0.958	0.983	0.995
3500.0	0.000	0.000	0.004	0.024	0.102	0.208	0.341	0.523	0.642	0.739	0.833	0.884	0.921	0.954	0.978
3550.0	0.000	0.000	0.000	0.003	0.029	0.080	0.161	0.311	0.437	0.559	0.697	0.779	0.842	0.902	0.956
3600.0	0.000	0.000	0.000	0.000	0.001	0.007	0.039	0.101	0.161	0.261	0.460	0.626	0.761	0.864	0.939
3650.0	0.000	0.000	0.000	0.000	0.000	0.001	0.012	0.049	0.067	0.126	0.301	0.486	0.684	0.793	0.898
3700.0	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.021	0.028	0.060	0.196	0.379	0.586	0.722	0.849
3750.0	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.009	0.012	0.028	0.126	0.286	0.494	0.649	0.770
3800.0	0.000	0.000	0.000	0.000	0.000	0.001	0.014	0.075	0.184	0.280	0.448	0.585	0.644	0.765	0.874
3850.0	0.000	0.000	0.000	0.000	0.000	0.001	0.007	0.053	0.134	0.255	0.432	0.559	0.668	0.780	0.882
3900.0	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.192	0.309	0.440	0.602	0.703	0.783	0.861	0.932
3950.0	0.000	0.002	0.013	0.048	0.138	0.237	0.351	0.511	0.621	0.722	0.820	0.873	0.912	0.947	0.965
4000.0	0.000	0.047	0.143	0.278	0.472	0.604	0.713	0.847	0.873	0.913	0.947	0.964	0.974	0.987	0.992
4050.0	0.026	0.187	0.392	0.594	0.784	0.870	0.924	0.962	0.978	0.987	0.996	0.998	0.998	0.999	1.000
4100.0	0.078	0.344	0.582	0.765	0.903	0.954	0.980	0.995	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4150.0	0.152	0.461	0.680	0.829	0.933	0.970	0.988	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4200.0	0.239	0.521	0.716	0.836	0.933	0.969	0.988	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4250.0	0.329	0.644	0.810	0.906	0.966	0.987	0.995	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4300.0	0.415	0.732	0.852	0.928	0.976	0.992	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4350.0	0.485	0.759	0.879	0.943	0.982	0.994	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4400.0	0.524	0.780	0.898	0.946	0.982	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4450.0	0.509	0.753	0.861	0.922	0.966	0.981	0.989	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
4500.0	0.377	0.615	0.741	0.851	0.904	0.935	0.958	0.975	0.984	0.990	0.995	0.997	0.999	1.000	1.000
4550.0	0.293	0.524	0.661	0.767	0.858	0.902	0.933	0.959	0.972	0.982	0.990	0.994	0.997	0.999	0.999
4600.0	0.291	0.462	0.596	0.703	0.804	0.860	0.901	0.937	0.957	0.972	0.985	0.991	0.995	0.998	0.999
4650.0	0.269	0.450	0.577	0.679	0.781	0.837	0.881	0.925	0.947	0.965	0.981	0.989	0.994	0.998	0.999
4700.0	0.279	0.492	0.617	0.716	0.809	0.858	0.897	0.933	0.954	0.969	0.983	0.990	0.994	0.998	0.999
4750.0	0.256	0.477	0.615	0.723	0.821	0.871	0.908	0.942	0.960	0.973	0.985	0.991	0.995	0.998	0.999
4800.0	0.241	0.451	0.589	0.698	0.801	0.856	0.897	0.935	0.955	0.970	0.983	0.989	0.994	0.997	0.999
4850.0	0.310	0.524	0.654	0.754	0.845	0.891	0.924	0.953	0.968	0.978	0.988	0.992	0.995	0.998	0.999
4900.0	0.396	0.579	0.710	0.803	0.882	0.920	0.946	0.968	0.978	0.985	0.992	0.995	0.997	0.999	0.999
4950.0	0.325	0.550	0.667	0.787	0.872	0.916	0.944	0.966	0.977	0.984	0.991	0.995	0.998	0.999	1.000
5000.0	0.250	0.485	0.609	0.724	0.828	0.883	0.921	0.954	0.971	0.981	0.991	0.995	0.997	0.999	0.999
5050.0	0.230	0.318	0.473	0.631	0.750	0.825	0.880	0.928	0.955	0.969	0.983	0.990	0.994	0.998	0.999
5100.0	0.056	0.178	0.303	0.439	0.606	0.710	0.793	0.872	0.912	0.942	0.967	0.980	0.989	0.995	0.997
5150.0	0.008	0.043	0.101	0.193	0.355	0.486	0.607	0.739	0.813	0.870	0.922	0.948	0.967	0.983	0.990
5200.0	0.000	0.001	0.011	0.042	0.138	0.251	0.382	0.552	0.663	0.753	0.842	0.890	0.933	0.957	0.972
5250.0	0.000	0.000	0.001	0.010	0.070	0.165	0.291	0.470	0.594	0.698	0.803	0.861	0.903	0.941	0.960
5300.0	0.000	0.000	0.000	0.006	0.045	0.112	0.209	0.362	0.479	0.586	0.703	0.774	0.831	0.888	0.920
5350.0	0.000	0.000	0.000	0.008	0.053	0.127	0.229	0.383	0.498	0.602	0.715	0.784	0.836	0.894	0.925
5400.0	0.000	0.000	0.001	0.012	0.081	0.186	0.319	0.501	0.624	0.726	0.825	0.877	0.915	0.949	0.965
5450.0	0.000	0.000	0.005	0.025	0.110	0.232	0.357	0.535	0.652	0.747	0.838	0.886	0.920	0.951	0.966
5500.0	0.001	0.010	0.053	0.138	0.253	0.378	0.503	0.651	0.761	0.842	0.898	0.915	0.942	0.965	0.977
5550.0	0.049	0.174	0.278	0.397	0.551	0.660	0.748	0.836	0.883	0.918	0.951	0.967	0.979	0.989	0.994
5600.0	0.261	0.468	0.606	0.718	0.825	0.879	0.917	0.950	0.967	0.979	0.989	0.994	0.987	0.999	0.999
5650.0	0.528	0.732	0.853	0.898	0.947	0.968	0.980	0.990	0.994	0.997	0.999	1.000	1.000	1.000	1.000
5700.0	0.692	0.858	0.925	0.961	0.984	0.992	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5750.0	0.754	0.896	0.946	0.974	0.989	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5800.0	0.830	0.937	0.974	0.989	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5850.0	0.861	0.954	0.983	0.993	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5900.0	0.868	0.952	0.980	0.990	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5950.0	0.824	0.918	0.955	0.979	0.993	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6000.0	0.721	0.841	0.895	0.929	0.958	0.972	0.982	0.990	0.994	0.997	0.999	0.999	1.000	1.000	1.000
6050.0	0.716	0.836	0.889	0.921	0.955	0.969	0.980	0.989	0.993	0.996	0.998	0.999	1.000	1.000	1.000
6100.0	0.653	0.777	0.837	0.883	0.925	0.948	0.969	0.980	0.988	0.993	0.997	0.999	0.999	1.000	1.000
6150.0	0.589	0.721	0.792	0.848	0.901	0.931	0.953	0.974	0.984	0.991	0.996	0.998	0.999	1.000	1.000
6200.0	0.582	0.720	0.794	0.851	0.905	0.934	0.955	0.975	0.985	0.991	0.996	0.998	0.999	1.000	1.000
6250.0	0.496	0.657	0.751	0.823	0.890	0.925	0.951	0.973	0.984	0.991	0.996	0.998	0.999	1.000	1.000
6300.0	0.401	0.578	0.689	0.779	0.865	0.910	0.942	0.969	0.982	0.990	0.995	0.998	0.999	1.000	1.000
6350.0	0.303	0.499	0.609	0.715	0.823	0.882	0.925	0.962	0.978	0.988	0.995	0.997	0.999	1.000	1.000
6400.0	0.285	0.493	0.616	0.732	0.846	0.902	0.942	0.967	0.980	0.988	0.995	0.997	0.999	1.000	1.000
6450.0	0.324	0.532	0.656	0.762	0.870	0.921	0.946	0.971	0.982	0.990	0.995	0.998	0.999	1.000	1.000
6500.0	0.305	0.535	0.664	0.764	0.872	0.922	0.948	0.972	0.983	0.990	0.995	0.998	0.999	1.000	1.000
6550.0	0.279	0.463	0.591	0.699	0.810	0.871	0.916	0.956	0.976	0.986	0.994	0.997	0.998	0.999	1.000
6600.0	0.342	0.528	0.649	0.746	0.847	0.893	0.930	0.962	0.977	0.987	0.994	0.997	0.998	0.999	1.000
6650.0	0.347	0.533	0.652	0.748	0.843	0.893	0.929	0.960	0.975	0.986	0.993	0.996	0.998	0.999	1.000
6700.0	0.218	0.381	0.511	0.627	0.752	0.822	0.876	0.925	0.951	0.969	0.984	0.991	0.995	0.998	0.999
6750.0	0.081	0.216	0.344	0.479	0.639	0.735	0.810	0.882	0.919	0.947	0.971	0.982	0.990	0.995	0.998
6800.0	0.059	0.187	0.311	0.448	0.615	0.717	0.797	0.871	0.913	0.941	0.966	0.979	0.987	0.994	0.997
6850.0	0.038	0.157	0.250	0.378	0.540	0.644	0.733	0.822	0.873	0.911	0.946	0.965	0.977	0.988	0.993
6900.0	0.026	0.100	0.198	0.317	0.481	0.596	0.691	0.791	0.849	0.893	0.931	0.954	0.972	0.986	0.992
6950.0	0.020	0.093	0.194	0.317	0.490	0.610	0.711	0.812	0.867	0.907	0.940	0.960	0.977	0.989	0.994
7000.0	0.012	0.066	0.150	0.267	0.444	0.571	0.680	0.791	0.853	0.899	0.941	0.962	0.977	0.989	0.994
7050.0	0.009	0.029	0.086	0.181	0.347	0.478	0.598	0.729	0.805	0.864	0.919	0.947	0.967	0.984	0.991
7100.0	0.001	0.016	0.052	0.124	0.267	0.393	0.519	0.665	0.754	0.826	0.893	0.926	0.952	0.974	0.985
7150.0	0.000	0.003	0.020	0.067	0.169	0.276	0.447	0.610	0.717	0.792	0.868	0.911	0.940	0.967	0.980
7200.0	0.000	0.000	0.005	0.021	0.089	0.172	0.277	0.434	0.561	0.656	0.770	0.836	0.886	0.933	0.957
7250.0	0.000	0.001	0.011	0.041	0.120	0.209	0.315	0.468	0.580	0.679	0.785	0.846	0.893	0.934	0.959

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
				UPR.CM.)											
7300.0	0.000	0.001	0.012	0.047	0.145	0.259	0.390	0.559	0.669	0.757	0.844	0.891	0.925	0.956	0.972
7350.0	0.000	0.001	0.010	0.038	0.125	0.229	0.356	0.525	0.638	0.732	0.827	0.879	0.917	0.952	0.969
7400.0	0.000	0.000	0.006	0.028	0.094	0.183	0.297	0.469	0.588	0.677	0.802	0.858	0.903	0.943	0.963
7450.0	0.000	0.001	0.013	0.043	0.113	0.216	0.329	0.496	0.615	0.704	0.824	0.875	0.913	0.948	0.966
7500.0	0.000	0.000	0.005	0.019	0.063	0.132	0.215	0.369	0.492	0.606	0.751	0.824	0.880	0.923	0.948
7550.0	0.000	0.013	0.092	0.209	0.450	0.531	0.644	0.740	0.831	0.880	0.942	0.964	0.975	0.986	0.991
7600.0	0.024	0.120	0.263	0.455	0.562	0.674	0.762	0.847	0.897	0.924	0.955	0.969	0.978	0.988	0.992
7650.0	0.106	0.261	0.372	0.504	0.657	0.748	0.819	0.886	0.921	0.944	0.967	0.979	0.986	0.993	0.996
7700.0	0.307	0.528	0.638	0.739	0.823	0.875	0.913	0.948	0.966	0.978	0.988	0.993	0.996	0.998	0.999
7750.0	0.641	0.781	0.852	0.900	0.942	0.962	0.976	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000
7800.0	0.788	0.893	0.926	0.953	0.975	0.985	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
7850.0	0.838	0.913	0.945	0.966	0.981	0.988	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000
7900.0	0.869	0.931	0.957	0.973	0.985	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
7950.0	0.925	0.965	0.980	0.988	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8000.0	0.973	0.991	0.996	0.995	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8050.0	0.874	0.927	0.952	0.968	0.982	0.989	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
8100.0	0.794	0.873	0.913	0.941	0.964	0.978	0.986	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
8150.0	0.746	0.843	0.891	0.924	0.954	0.971	0.982	0.991	0.995	0.997	0.999	1.000	1.000	1.000	1.000
8200.0	0.790	0.866	0.896	0.919	0.946	0.956	0.969	0.983	0.990	0.995	0.998	0.999	1.000	1.000	1.000
8250.0	0.861	0.911	0.933	0.945	0.963	0.970	0.978	0.989	0.993	0.997	0.999	1.000	1.000	1.000	1.000
8300.0	0.402	0.570	0.677	0.784	0.868	0.893	0.927	0.957	0.972	0.983	0.992	0.996	0.998	0.999	1.000
8350.0	0.333	0.502	0.614	0.708	0.804	0.858	0.900	0.939	0.959	0.976	0.986	0.992	0.996	0.998	0.999
8400.0	0.352	0.518	0.625	0.715	0.807	0.860	0.900	0.938	0.958	0.977	0.988	0.992	0.995	0.998	0.999
8450.0	0.378	0.550	0.658	0.747	0.836	0.882	0.917	0.949	0.966	0.978	0.989	0.994	0.997	0.999	0.999
8500.0	0.416	0.587	0.696	0.769	0.851	0.895	0.927	0.956	0.971	0.982	0.991	0.995	0.997	0.999	0.999
8550.0	0.559	0.662	0.749	0.817	0.884	0.919	0.944	0.970	0.982	0.989	0.995	0.997	0.999	0.999	1.000
8600.0	0.515	0.662	0.751	0.821	0.888	0.921	0.945	0.971	0.985	0.992	0.997	0.999	0.999	1.000	1.000
8650.0	0.365	0.546	0.654	0.748	0.840	0.889	0.926	0.958	0.975	0.985	0.993	0.996	0.998	0.999	1.000
8700.0	0.224	0.433	0.563	0.675	0.788	0.851	0.898	0.940	0.961	0.979	0.987	0.993	0.996	0.998	0.999
8750.0	0.197	0.164	0.491	0.607	0.734	0.808	0.864	0.918	0.944	0.965	0.981	0.989	0.994	0.997	0.999
8800.0	0.146	0.284	0.401	0.516	0.648	0.733	0.804	0.874	0.913	0.941	0.967	0.979	0.988	0.994	0.997
8850.0	0.137	0.286	0.408	0.525	0.658	0.741	0.809	0.876	0.913	0.940	0.965	0.977	0.986	0.993	0.997
8900.0	0.139	0.301	0.438	0.560	0.707	0.788	0.850	0.908	0.938	0.959

WATER VAPOR AT 0.10 ATMOSPHERE PRESSURE

T=200° K

AVERAGED OVER 100cm^{-1}

FREQ.	U=R.CM.] 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1050.0	0.944	0.967	0.981	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1100.0	0.790	0.916	0.964	0.989	0.997	0.999	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1150.0	0.695	0.894	0.953	0.988	0.996	0.999	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1200.0	0.565	0.856	0.935	0.982	0.994	0.998	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1250.0	0.344	0.769	0.883	0.961	0.988	0.996	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1300.0	0.150	0.329	0.492	0.802	0.936	0.980	0.984	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
1350.0	0.059	0.115	0.203	0.513	0.767	0.929	0.939	0.996	0.998	1.000	1.000	1.000	1.000	1.000	1.000
1400.0	0.021	0.040	0.075	0.206	0.352	0.663	0.720	0.977	0.995	0.999	1.000	1.000	1.000	1.000	1.000
1450.0	0.007	0.013	0.025	0.069	0.120	0.263	0.310	0.834	0.979	0.998	1.000	1.000	1.000	1.000	1.000
1500.0	0.000	0.000	0.000	0.000	0.004	0.025	0.037	0.206	0.337	0.662	0.818	0.713	0.789	0.964	0.904
1550.0	0.000	0.000	0.000	0.002	0.002	0.040	0.121	0.243	0.354	0.479	0.673	0.715	0.788	0.862	0.902
1600.0	0.000	0.000	0.000	0.002	0.002	0.027	0.075	0.151	0.203	0.318	0.676	0.759	0.824	0.887	0.920
1650.0	0.000	0.000	0.000	0.000	0.002	0.024	0.063	0.164	0.286	0.413	0.572	0.673	0.737	0.842	0.885
1700.0	0.000	0.000	0.000	0.000	0.000	0.001	0.058	0.165	0.219	0.405	0.559	0.661	0.745	0.910	0.877
1750.0	0.000	0.000	0.000	0.000	0.000	0.001	0.073	0.272	0.401	0.524	0.665	0.749	0.816	0.880	0.915
1800.0	0.000	0.000	0.001	0.007	0.041	0.119	0.228	0.398	0.527	0.639	0.757	0.824	0.875	0.922	0.946
1850.0	0.000	0.002	0.014	0.056	0.177	0.302	0.435	0.598	0.696	0.776	0.855	0.907	0.928	0.956	0.970
1900.0	0.000	0.010	0.049	0.135	0.310	0.455	0.594	0.718	0.794	0.853	0.903	0.943	0.953	0.973	0.980
1950.0	0.001	0.035	0.131	0.243	0.462	0.592	0.692	0.793	0.850	0.893	0.932	0.152	0.967	0.980	0.987
2000.0	0.004	0.092	0.268	0.368	0.572	0.716	0.822	0.885	0.918	0.942	0.964	0.976	0.984	0.991	0.995
2050.0	0.201	0.408	0.595	0.670	0.796	0.852	0.896	0.933	0.954	0.968	0.981	0.988	0.992	0.996	0.998
2100.0	0.350	0.573	0.699	0.755	0.872	0.910	0.938	0.961	0.973	0.982	0.990	0.994	0.996	0.998	0.999
2150.0	0.316	0.721	0.810	0.876	0.925	0.948	0.964	0.979	0.986	0.991	0.996	0.998	0.999	1.000	1.000
2200.0	0.468	0.829	0.902	0.940	0.966	0.977	0.985	0.992	0.995	0.997	0.999	1.000	1.000	1.000	1.000
2250.0	0.773	0.902	0.954	0.975	0.957	0.992	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2300.0	0.867	0.947	0.984	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2350.0	0.864	0.960	0.985	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2400.0	0.876	0.967	0.992	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2450.0	0.886	0.972	0.993	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2500.0	0.891	0.974	0.993	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2550.0	0.873	0.961	0.983	0.992	0.997	0.999	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2600.0	0.853	0.957	0.982	0.993	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2650.0	0.752	0.891	0.957	0.988	0.996	0.999	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000
2700.0	0.625	0.766	0.855	0.934	0.978	0.995	0.970	0.989	0.997	0.999	1.000	1.000	1.000	1.000	1.000
2750.0	0.544	0.684	0.783	0.896	0.960	0.988	0.958	0.988	0.997	0.999	1.000	1.000	1.000	1.000	1.000
2800.0	0.558	0.717	0.802	0.884	0.947	0.984	0.944	0.983	0.995	0.998	0.999	1.000	1.000	1.000	1.000
2850.0	0.525	0.759	0.823	0.882	0.951	0.957	0.976	0.988	0.993	0.997	0.999	0.999	1.000	1.000	1.000
2900.0	0.510	0.709	0.807	0.866	0.921	0.968	0.967	0.982	0.989	0.993	0.996	0.998	0.999	1.000	1.000
2950.0	0.363	0.570	0.693	0.781	0.866	0.928	0.942	0.970	0.984	0.992	0.996	0.998	0.999	0.999	1.000
3000.0	0.203	0.394	0.528	0.643	0.756	0.825	0.873	0.919	0.943	0.960	0.978	0.989	0.994	0.996	0.998
3050.0	0.098	0.239	0.366	0.489	0.632	0.720	0.782	0.863	0.902	0.931	0.957	0.973	0.980	0.989	0.994
3100.0	0.055	0.128	0.231	0.348	0.509	0.603	0.679	0.800	0.854	0.900	0.939	0.959	0.970	0.984	0.990
3150.0	0.063	0.168	0.271	0.385	0.537	0.641	0.730	0.828	0.871	0.908	0.942	0.960	0.973	0.985	0.991
3200.0	0.057	0.162	0.274	0.394	0.543	0.651	0.743	0.829	0.861	0.892	0.929	0.947	0.962	0.979	0.988
3250.0	0.064	0.184	0.318	0.442	0.594	0.717	0.818	0.885	0.911	0.934	0.952	0.962	0.967	0.981	0.988
3300.0	0.018	0.104	0.222	0.367	0.540	0.653	0.743	0.837	0.880	0.915	0.948	0.964	0.974	0.981	0.992
3350.0	0.036	0.164	0.312	0.448	0.644	0.744	0.817	0.884	0.919	0.943	0.966	0.973	0.985	0.991	0.995
3400.0	0.028	0.177	0.336	0.475	0.676	0.770	0.839	0.894	0.926	0.949	0.970	0.978	0.987	0.992	0.996
3450.0	0.025	0.134	0.297	0.396	0.636	0.744	0.818	0.883	0.920	0.944	0.968	0.976	0.986	0.992	0.996
3500.0	0.025	0.134	0.297	0.396	0.636	0.744	0.818	0.883	0.920	0.944	0.968	0.976	0.986	0.992	0.996
3550.0	0.000	0.000	0.003	0.019	0.077	0.157	0.265	0.428	0.549	0.657	0.769	0.833	0.881	0.926	0.949
3600.0	0.000	0.000	0.000	0.000	0.007	0.034	0.104	0.257	0.391	0.520	0.665	0.751	0.819	0.884	0.918
3650.0	0.000	0.000	0.000	0.000	0.001	0.012	0.051	0.165	0.290	0.426	0.596	0.693	0.774	0.863	0.904
3700.0	0.000	0.000	0.000	0.000	0.000	0.001	0.012	0.060	0.145	0.251	0.460	0.570	0.674	0.798	0.855
3750.0	0.000	0.000	0.000	0.000	0.001	0.011	0.042	0.128	0.222	0.350	0.575	0.574	0.662	0.759	0.819
3800.0	0.000	0.000	0.000	0.000	0.001	0.014	0.053	0.161	0.275	0.400	0.554	0.655	0.776	0.818	0.885
3850.0	0.000	0.000	0.000	0.000	0.001	0.007	0.035	0.113	0.210	0.307	0.502	0.551	0.749	0.836	0.883
3900.0	0.000	0.000	0.000	0.000	0.000	0.003	0.005	0.035	0.080	0.157	0.304	0.433	0.558	0.698	0.777
3950.0	0.000	0.001	0.013	0.047	0.116	0.214	0.367	0.469	0.576	0.694	0.817	0.906	0.933	0.960	0.973
4000.0	0.002	0.028	0.141	0.276	0.421	0.559	0.701	0.790	0.867	0.908	0.936	0.960	0.972	0.980	0.994
4050.0	0.130	0.387	0.587	0.740	0.865	0.928	0.951	0.975	0.986	0.990	0.995	0.997	0.998	0.999	1.000
4100.0	0.262	0.574	0.755	0.872	0.948	0.977	0.990	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4150.0	0.296	0.619	0.819	0.907	0.965	0.987	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4200.0	0.490	0.767	0.867	0.953	0.977	0.991	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4250.0	0.570	0.825	0.907	0.963	0.983	0.994	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4300.0	0.441	0.750	0.921	0.969	0.991	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4350.0	0.702	0.878	0.962	0.985	0.996	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4400.0	0.726	0.886	0.964	0.987	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4450.0	0.703	0.857	0.949	0.984	0.996	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4500.0	0.561	0.739	0.857	0.946	0.983	0.995	0.999	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4550.0	0.468	0.644	0.780	0.920	0.971	0.990	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4600.0	0.444	0.599	0.742	0.899	0.964	0.988	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4650.0	0.351	0.564	0.671	0.862	0.951	0.984	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4700.0	0.417	0.610	0.720	0.884	0.957	0.986	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4750.0	0.422	0.610	0.718	0.896	0.962	0.989	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4800.0	0.398	0.584	0.693	0.875	0.952	0.983	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4850.0	0.446	0.644	0.746	0.905	0.964	0.985	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4900.0	0.523	0.702	0.796	0.858	0.976	0.991	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4950.0	0.492	0.679	0.778	0.946	0.982	0.994	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5000.0	0.407	0.600	0.714	0.797	0.973	0.992	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5050.0	0.264	0.485	0.601	0.709	0.813	0.869	0.909	0.945	0.963	0.976	0.987	0.992	0.995	0.998	0.999
5100.0	0.137	0.298	0.429	0.557	0.697	0.780	0.843	0.907	0.933	0.955	0.974	0.985	0.990	0.995	0.997
5150.0	0.029	0.076	0.144	0.304	0.494	0.619	0.697	0.801	0.859	0.901	0.944	0.960	0.974	0.986	0.991
5200.0	0.001	0.010	0.041	0.105	0.244	0.373	0.502	0.652	0.743	0.814	0.887	0.918	0.944	0.967	0.978
5250.0	0.000	0.001	0.010	0.017	0.061	0.165	0.263	0.420	0.595	0.728	0.853	0.896	0.928	0.956	0.970
5300.0	0.000	0.000	0.004	0.030	0.109	0.205	0.317	0.470	0.576	0.667	0.785	0.823	0.870	0.915	0.940
5150.0	0.000	0.001	0.004	0.015	0.124	0.224	0.338	0.468	0.560	0.670	0.774	0.810	0.875	0.919	0.942
5400.0	0.000	0.001	0.012	0.035	0.165	0.314	0.451	0.615	0.715	0.794	0.870	0.909	0.937	0.962	0.974
5450.0	0.000	0.000	0.025	0.080	0.233	0.431	0.586	0.744	0.818	0.857	0.881	0.916	0.941	0.964	0.975
5500.0	0.010	0.051	0.116	0.212	0.372	0.497	0.612	0.736	0.807	0.861	0.917	0.938	0.957	0.974	0.982
5550.0	0.161	0.274	0.391	0.511	0.636	0.743	0.813	0.879	0.916	0.940	0.963	0.975	0.981	0.991	0.994
5600.0	0.209	0.378	0.511	0.631	0.761	0.845	0.893	0.942	0.962	0.975	0.983	0.994	0.991	0.995	0.996
5650.0	0.278	0.422	0.557	0.693	0.811	0.893	0.930	0.962	0.975	0.984	0.992	0.995	0.994	0.996	0.998
5700.0	0.316	0.454	0.593	0.727	0.844	0.915	0.948	0.969	0.979	0.986	0.993	0.996	0.995	0.997	0.998
5750.0	0.361	0.939	0.968	0.982	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
5800.0	0.912	0.989	0.996	0.996	0.998	0.999	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5850.0	0.512	0.978	0.991	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5900.0	0.932	0.976	0.987	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5950.0	0.897	0.968	0.986	0.988	0.996	0.999	0.999	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
6000.0	0.871	0.889	0.975	0.969	0.984	0.992	0.995	0.997	0.999	0.999	0.999	1.000	1.000	1.000	1.000
6050.0	0.804	0.894	0.921	0.946	0.966	0.977	0.984	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000
6100.0	0.763	0.830	0.877	0.911	0.943	0.960	0.973	0.984	0.990	0.994	0.997	0.999	0.999	1.000	1.000
6150.0	0.684	0.784	0.841	0.883	0.925	0.947	0.964	0.979	0.986	0.992	0.996	0.998	0.999	1.000	1.000
6200.0	0.681	0.786	0.844	0.887	0.928	0.949	0.965	0.980	0.987	0.992	0.996	0.998	0.999	1.000	1.000
6250.0	0.810	0.739	0.812	0.866	0.916	0.943	0.962	0.978	0.986	0.992	0.996	0.998	0.999	1.000	1.000
6300.0	0.527	0.675	0.767	0.851	0.896	0.930	0.954	0.975	0.985	0.991	0.996	0.998	0.999	1.000	1.000
6350.0	0.452	0.596	0.701	0.781	0.866	0.907	0.939	0.967	0.981	0.988	0.995	0.997	0.999	1.000	1.000
6400.0	0.403	0.561	0.665	0.752	0.841	0.890	0.927	0.961	0.977	0.987	0.995	0.997	0.999	0.999	1.000
6450.0	0.406	0.564	0.666	0.753	0.843	0.891	0.928	0.962	0.977	0.987	0.995	0.997	0.998	0.999	1.000
6500.0	0.323	0.493	0.609	0.708	0.811	0.868	0.911	0.950	0.970	0.983	0.992	0.996	0.998	0.999	1.000
6550.0	0.468	0.577	0.664	0.770	0.854	0.900	0.934	0.963	0.978	0.987	0.994	0.997	0.998	0.999	1.000
6600.0	0.554	0.644	0.732	0.807	0.880	0.918	0.945	0.969	0.981	0.989	0.995	0.997	0.998	0.999	1.000
6650.0	0.723	0.837	0.720	0.806	0.879	0.917	0.945	0.968	0.980	0.987	0.994	0.996	0.998	0.999	1.000
6700.0	0.725	0.839	0.869	0.728	0.881	0.919	0.946	0.969	0.981	0.988	0.994	0.997	0.998	0.999	1.000
6750.0	0.168	0.330	0.464	0.598	0.723	0.800	0.858	0.911	0.939	0.959	0.976	0.985	0.991	0.996	0.998
6800.0	0.139	0.297	0.433	0.562	0.704	0.786	0.848	0.905	0.935	0.955	0.974	0.983	0.989	0.995	0.997
6850.0	0.101	0.219	0.344	0.468	0.632	0.721	0.792	0.864	0.903	0.932	0.958	0.972	0.982	0.990	0.994
6900.0	0.071	0.189	0.305	0.429	0.593	0.679	0.760	0.841	0.886	0.919	0.950	0.966	0.978	0.988	0.993
6950.0	0.069	0.183	0.303	0.427	0.590	0.700	0.781	0.860	0.901	0.931	0.958	0.972	0.982	0.990	0.994
7000.0	0.064	0.165	0.279	0.398	0.564	0.669	0.758	0.844	0.890	0.924	0.954	0.970	0.981	0.990	0.994
7050.0	0.018	0.083	0.176	0.298	0.469	0.589	0.691	0.795	0.853	0.897	0.938	0.958	0.972	0.986	0.992
7100.0	0.008	0.050	0.121	0.223	0.384	0.509	0.622	0.744	0.814	0.867	0.918	0.944	0.962	0.979	0.987
7150.0	0.002	0.028	0.083	0.168	0.306	0.434	0.547	0.686	0.762	0.823	0.885	0.919	0.944	0.970	0.983
7200.0	0.000	0.014	0.052	0.065	0.185	0.267	0.392	0.537	0.644	0.733	0.825	0.875	0.913	0.948	0.966
7250.0	0.000	0.011	0.040	0.094	0.203	0.304	0.419	0.567	0.668	0.757	0.837	0.884	0.919	0.951	0.967

WATER VAPOR AT 0.05 ATMOSPHERE PRESSURE

T=200° K

AVERAGED OVER 100cm⁻¹

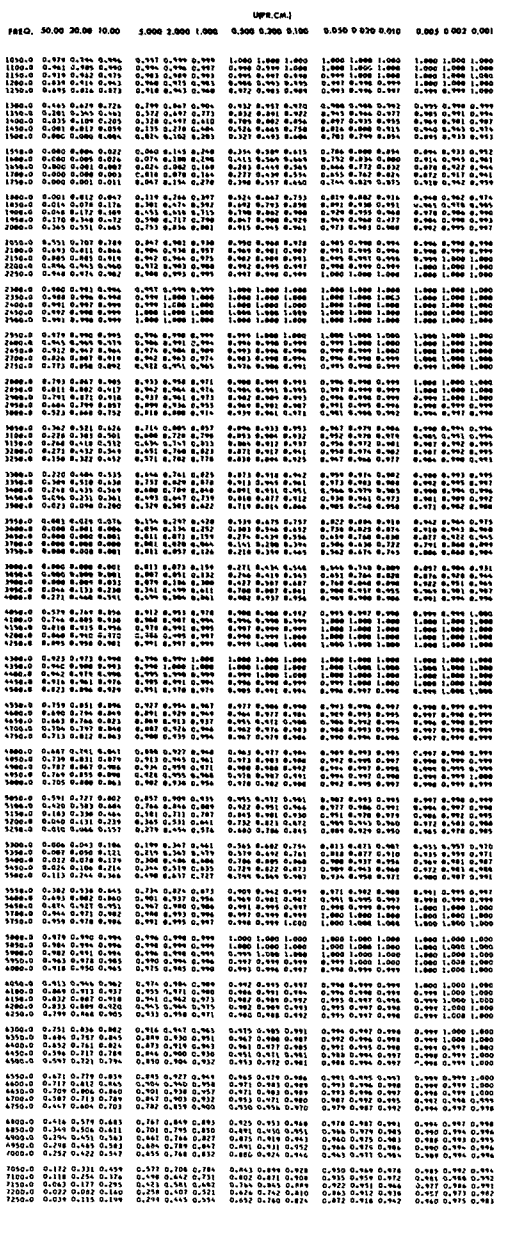
FREQ.	UPR.CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
1050.0	0.027	0.982	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1100.0	0.040	0.982	0.993	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1150.0	0.021	0.970	0.986	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1200.0	0.103	0.992	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1250.0	0.514	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1300.0	0.290	0.968	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1350.0	0.091	0.902	0.980	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1400.0	0.006	0.835	0.965	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1450.0	0.000	0.801	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1500.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1550.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1600.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1650.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1700.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1750.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1800.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1850.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1900.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1950.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2000.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2050.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2100.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2150.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2200.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2250.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2300.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2350.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2400.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2450.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2500.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2550.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2600.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2650.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2700.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2750.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2800.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2850.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2900.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2950.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3000.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3050.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3100.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3150.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3200.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3250.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3300.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3350.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3400.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3450.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3500.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3550.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3600.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3650.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3700.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3750.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3800.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3850.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3900.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3950.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4000.0	0.000	0.800	0.958	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4050.0	0.316	0.983	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4100.0	0.497	0.993	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4150.0	0.603	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4200.0	0.669	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4250.0	0.756	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4300.0	0.810	0.925	0.964	0.987	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4350.0	0.845	0.941	0.975	0.991	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4400.0	0.856	0.943	0.973	0.989	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4450.0	0.827	0.915	0.951	0.973	0.988	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4500.0	0.700	0.824	0.884	0.932	0.963	0.981	0.992	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
4550.0	0.616	0.760	0.835	0.895	0.938	0.968	0.985	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000
4600.0	0.564	0.693	0.775	0.846	0.902	0.943	0.973	0.990	0.997	0.999	1.000	1.000	1.000	1.000	1.000
4650.0	0.527	0.646	0.741	0.810	0.873	0.921	0.959	0.984	0.995	0.999	1.000	1.000	1.000	1.000	1.000
4700.0	0.571	0.704	0.780	0.844	0.898	0.939	0.969	0.988	0.996	0.999	1.000	1.000	1.000	1.000	1.000
4750.0	0.567	0.715	0.793	0.858	0.909	0.948	0.976	0.992	0.998	0.999	1.000	1.000	1.000	1.000	1.000
4800.0	0.542	0.689	0.772	0.833	0.891	0.931	0.964	0.985	0.995	0.999	1.000	1.000	1.000	1.000	1.000
4850.0	0.604	0.763	0.845	0.868	0.916	0.951	0.974	0.989	0.996	0.999	1.000	1.000	1.000	1.000	1.000
4900.0	0.660	0.790	0.851	0.870	0.917	0.952	0.975	0.990	0.997	0.999	1.000	1.000	1.000	1.000	1.000
4950.0	0.631	0.773	0.841	0.859	0.911	0.952	0.976	0.991	0.997	0.999	1.000	1.000	1.000	1.000	1.000
5000.0	0.553	0.728	0.791	0.821	0.904	0.954	0.979	0.992	0.998	0.999	1.000	1.000	1.000	1.000	1.000
5050.0	0.413	0.595	0.703	0.785	0.862	0.903	0.932	0.959	0.977	0.989	0.996	0.998	0.999	1.000	1.000
5100.0	0.250	0.424	0.550	0.659	0.772	0.855	0.882	0.927	0.960	0.984	0.998	0.999	0.999	1.000	1.000
5150.0	0.075	0.184	0.300	0.427	0.564	0.698	0.770	0.870	0.934	0.980	0.998	0.999	0.999	1.000	1.000
5200.0	0.006	0.040	0.103	0.203	0.368	0.546	0.612	0.757	0.878	0.962	0.993	0.998	0.999	1.000	1.000
5250.0	0.000	0.010	0.036	0.125	0.283	0.475	0.539	0.697	0.842	0.944	0.989	0.997	0.999	1.000	1.000
5300.0	0.000	0.004	0.029	0.083	0.251	0.513	0.579	0.760	0.861	0.737	0.858	0.886	0.901	0.936	0.955
5350.0	0.000	0.007	0.031	0.096	0.321	0.634	0.668	0.846	0.921	0.745	0.873	0.889	0.903	0.939	0.957
5400.0	0.000	0.012	0.054	0.163	0.503	0.447	0.572	0.710	0.788	0.868	0.904	0.933	0.956	0.972	0.981
5450.0	0.002	0.024	0.079	0.177	0.347	0.481	0.603	0.731	0.807	0.884	0.913	0.939	0.958	0.974	0.982
5500.0	0.026	0.114	0.209	0.328	0.493	0.607	0.704	0.803	0.858	0.899	0.926	0.955	0.968	0.981	0.987
5550.0	0.235	0.384	0.506	0.617	0.739	0.809	0.862	0.921	0.937	0.936	0.973	0.981	0.987	0.993	0.995
5600.0	0.544	0.700	0.786	0.849	0.906	0.934	0.954	0.972	0.981	0.967	0.993	0.995	0.997	0.999	0.999
5650.0	0.785	0.880	0.933	0.946	0.971	0.981	0.981	0.995	0.996	0.988	0.999	0.999	1.000	1.000	1.000
5700.0	0.891	0.949	0.971	0.982	0.994	0.997	0.993	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5750.0	0.919	0.963	0.979	0.987	0.995	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5800.0	0.934	0.982	0.991	0.996	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5850.0	0.966	0.988	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5900.0	0.965	0.984	0.992	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5950.0	0.937	0.965	0.978	0.985	0.991	0.994	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000
6000.0	0.871	0.922	0.946	0.963	0.977	0.984	0.996	0.998	0.999	0.998	1.000	1.000	1.000	1.000	1.000
6050.0	0.844	0.917	0.943	0.960	0.976	0.983	0.988	0.993	0.996	0.997	0.998	0.999	1.000	1.000	1.000
6100.0	0.807	0.872	0.907	0.933	0.957	0.970	0.979	0.988	0.992	0.995	0.998	0.999	1.000	1.000	1.000
6150.0	0.798	0.856	0.894	0.924	0.950	0.967	0.976	0.986	0.990	0.995	0.997	0.999	1.000	1.000	1.000
6200.0	0.757	0.838	0.882	0.915	0.944	0.962	0.974	0.984	0.990	0.995	0.997	0.998	0.999	1.000	1.000
6250.0	0.704	0.805	0.858	0.900	0.937	0.957	0.971	0.983	0.989	0.993	0.997	0.998	0.999	1.000	1.000
6300.0	0.636	0.756	0.822	0.873	0.921	0.946	0.961	0.980	0.987	0.992	0.996	0.998	0.999	1.000	1.000
6350.0	0.550	0.689	0.771	0.835	0.896	0.928	0.952	0.973	0.984	0.990	0.995	0.997	0.999	1.000	1.000
6400.0	0.518	0.657	0.743	0.812	0.879	0.916	0.943	0.968	0.980	0.989	0.995	0.997	0.999	0.999	1.000
6450.0	0.552	0.699	0.784	0.844	0.892	0.926	0.946	0.971	0.982	0.990	0.995	0.997	0.998	0.999	1.000
6500.0	0.447	0.601	0.699	0.778	0.857	0.900	0.931	0.960	0.975	0.985	0.993	0.996	0.998	0.999	1.000
6550.0	0.332	0.478	0.761	0.827	0.891	0.921	0.949	0.971	0.981	0.989	0.995	0.997	0.999	0.999	1.000
6600.0	0.590	0.722	0.798	0.856	0.910	0.938	0.957	0.975	0.984	0.990	0.995	0.998	0.999	0.999	1.000
6650.0	0.185	0.318	0.746	0.855	0.929	0.957	0.958	0.975	0.984	0.990	0.994	0.997	0.998	0.999	1.000
6700.0	0.441	0.598	0.696	0.777	0.856	0.899	0.930	0.957	0.971	0.981	0.989	0.993	0.998	0.999	0.999
6750.0	0.281	0.454	0.577	0.682	0.791	0.851	0.892	0.935	0.958	0.975	0.988	0.993	0.998	0.999	0.999
6800.0	0.749	0.422	0.550	0.681	0.776	0.840	0.887	0.930	0.951	0.967	0.980	0.987	0.991	0.995	0.997
6850.0	0.196	0.355	0.477	0.598	0.710	0.784	0.841	0.901	0.927	0.944	0.969	0.979	0.988	0.993	0.995
6900.0	0.132	0.298	0.419	0.536	0.649	0.751	0.817	0.880	0.915	0.940	0.965	0.976	0.984	0.990	0.994
6950.0	0.150	0.301	0.424	0.553	0.681	0.776	0.831	0.896	0.927	0.944	0.969	0.979	0.986	0.992	0.995
7000.0	0.113	0.255	0.384	0.513	0.642	0.750	0.819	0.885	0.919	0.944	0.968	0.977	0.985	0.992	0.995
7050.0	0.060	0.173	0.293	0.422	0.552	0.664	0.767	0.868	0.911	0.924	0.955	0.968	0.978	0.988	0.993
7100.0	0.034	0.119	0.219	0.329	0.502	0.615	0.710	0.807	0.861	0.907	0.939	0.958	0.971	0.982	0.989
7150.0	0.012	0.069	0.144	0.256	0.427	0.550	0.650	0.772	0.835	0.883	0.927	0.949	0.965	0.980	0.987
7200.0	0.002	0.032	0.086	0.183	0.361	0.485	0.591	0.734	0.805	0.862	0.914	0.940	0.960	0.977	0.985
7250.0	0.006	0.040	0.093	0.191	0.302	0.413	0.524	0.659	0.744	0.812	0.878	0.916	0.939	0.963	0.975

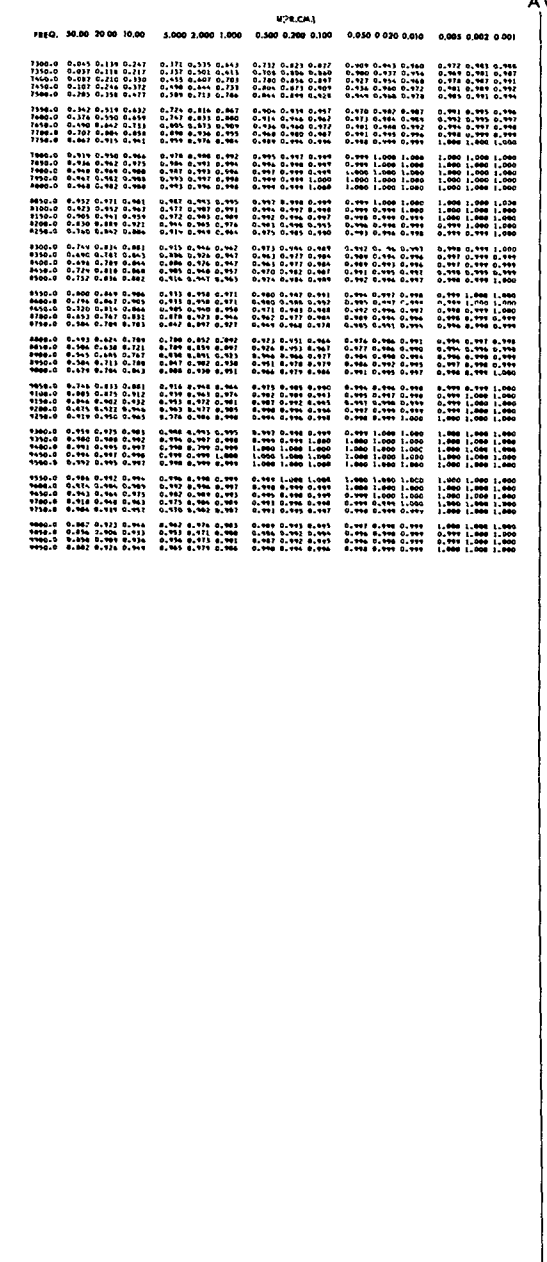
FREQ.	UPR.CM.) 50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
7300.0	0.006	0.049	0.111	0.211	0.376	0.500	0.615	0.759	0.810	0.864	0.916	0.940	0.958	0.975	0.983
7350.0	0.005	0.037	0.093	0.183	0.340	0.466	0.584	0.715	0.781	0.830	0.886	0.933	0.953	0.972	0.981
7400.0	0.022	0.088	0.177	0.293	0.459	0.578	0.680	0.787	0.844	0.890	0.931	0.952	0.967	0.981	0.988
7450.0	0.028	0.108	0.210	0.336	0.502	0.616	0.712	0.810	0.864	0.905	0.940	0.959	0.972	0.984	0.990
7500.0	0.044	0.206	0.321	0.442	0.597	0.689	0.769	0.848	0.891	0.923	0.952	0.967	0.977	0.987	0.991
7550.0	0.164	0.344	0.480	0.600	0.727	0.800	0.855	0.908	0.935	0.955	0.972	0.980	0.987	0.992	0.995
7600.0	0.197	0.374	0.512	0.629	0.750	0.818	0.870	0.917	0.943	0.958	0.975	0.983	0.988	0.993	0.995
7650.0	0.370	0.493	0.611	0.710	0.808	0.862	0.902	0.939	0.957	0.970	0.982	0.988	0.992	0.995	0.997
7700.0	0.586	0.711	0.789	0.868	0.903	0.931	0.952	0.971	0.980	0.987	0.992	0.995	0.997	0.998	0.999
7750.0	0.803	0.875	0.923	0.941	0.965	0.977	0.985	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000
7800.0	0.882	0.928	0.953	0.969	0.983	0.990	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
7850.0	0.908	0.944	0.962	0.979	0.988	0.992	0.995	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000
7900.0	0.924	0.957	0.972	0.983	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
7950.0	0.955	0.976	0.985	0.991	0.996	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8000.0	0.955	0.975	0.984	0.990	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8050.0	0.929	0.958	0.972	0.983	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
8100.0	0.883	0.929	0.951	0.967	0.980	0.987	0.991	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000
8150.0	0.858	0.912	0.939	0.958	0.975	0.983	0.989	0.994	0.996	0.998	0.999	1.000	1.000	1.000	1.000
8200.0	0.751	0.836	0.882	0.916	0.948	0.966	0.978	0.988	0.993	0.997	0.998	0.999	1.000	1.000	1.000
8250.0	0.652	0.765	0.829	0.877	0.922	0.946	0.962	0.978	0.985	0.991	0.995	0.997	0.998	0.999	1.000
8300.0	0.636	0.753	0.820	0.871	0.918	0.942	0.960	0.975	0.983	0.989	0.994	0.996	0.998	0.999	1.000
8350.0	0.566	0.694	0.770	0.830	0.889	0.921	0.946	0.970	0.980	0.988	0.993	0.996	0.997	0.998	0.999
8400.0	0.577	0.699	0.773	0.832	0.890	0.921	0.944	0.969	0.979	0.986	0.992	0.995	0.996	0.998	0.999
8450.0	0.632	0.746	0.813	0.867	0.913	0.935	0.955	0.972	0.981	0.987	0.992	0.995	0.997	0.998	0.999
8500.0	0.642	0.756	0.822	0.872	0.919	0.941	0.960	0.974	0.983	0.989	0.994	0.996	0.998	0.999	0.999
8550.0	0.708	0.805	0.859	0.899	0.936	0.955	0.969	0.982	0.988	0.992	0.996	0.998	0.999	0.999	1.000
8600.0	0.706	0.803	0.858	0.899	0.937	0.957	0.970	0.983	0.989	0.993	0.997	0.998	0.999	1.000	1.000
8650.0	0.694	0.727	0.801	0.857	0.910	0.937	0.957	0.975	0.985	0.989	0.995	0.997	0.998	0.999	1.000
8700.0	0.508	0.658	0.768	0.817	0.883	0.918	0.943	0.965	0.977	0.985	0.991	0.995	0.997	0.998	0.999
8750.0	0.767	0.847	0.891	0.927	0.953	0.968	0.978	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000
8800.0	0.751	0.697	0.599	0.688	0.783	0.842	0.885	0.927	0.944	0.965	0.979	0.987	0.991	0.995	0.997
8850.0	0.357	0.510	0.612	0.700	0.794	0.848	0.890	0.930	0.951	0.966	0.979	0.986	0.991	0.995	0.997
8900.0	0.380	0.538	0.642	0.728	0.816	0.865	0.902	0.936	0.955	0.968	0.980	0.987	0.992	0.995	0.997
8950.0

WATER VAPOR AT 0.02 ATMOSPHERE PRESSURE

T=200° K

AVERAGED OVER 100cm^{-1}





WATER VAPOR AT 0.01 ATMOSPHERE PRESSURE
T=200°K
AVERAGED OVER 100cm^{-1}

FREQ.	50.00	20.00	10.00	5.000	2.000	1.000	0.500	0.200	0.100	0.050	0.020	0.010	0.005	0.002	0.001
UNITS CM.]															
7300.0	0.331	0.346	0.371	0.496	0.642	0.731	0.881	0.970	0.987	0.991	0.998	0.999	0.999	1.000	1.000
7350.0	0.091	0.216	0.334	0.441	0.612	0.707	0.782	0.937	0.987	0.987	0.997	0.998	0.998	0.998	0.998
7400.0	0.139	0.329	0.454	0.571	0.701	0.778	0.838	0.895	0.925	0.967	0.987	0.977	0.984	0.990	0.993
7450.0	0.208	0.371	0.497	0.610	0.732	0.802	0.856	0.907	0.934	0.953	0.973	0.980	0.986	0.992	0.994
7500.0	0.319	0.476	0.588	0.684	0.785	0.847	0.886	0.927	0.944	0.963	0.977	0.984	0.989	0.993	0.995
7550.0	0.477	0.631	0.723	0.796	0.868	0.903	0.931	0.956	0.969	0.978	0.987	0.991	0.994	0.996	0.997
7600.0	0.509	0.659	0.747	0.816	0.879	0.913	0.938	0.960	0.972	0.981	0.988	0.992	0.994	0.997	0.998
7650.0	0.606	0.732	0.803	0.858	0.908	0.935	0.954	0.971	0.980	0.986	0.991	0.994	0.996	0.998	0.998
7700.0	0.788	0.865	0.894	0.926	0.953	0.967	0.972	0.984	0.990	0.992	0.996	0.997	0.998	0.999	0.999
7750.0	0.902	0.938	0.957	0.970	0.982	0.988	0.988	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000
7800.0	0.946	0.963	0.976	0.983	0.990	0.994	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
7850.0	0.955	0.971	0.981	0.987	0.993	0.996	0.997	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000
7900.0	0.961	0.974	0.984	0.990	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000
7950.0	0.975	0.986	0.991	0.994	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8000.0	0.976	0.986	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8050.0	0.984	0.988	0.995	0.998	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8100.0	0.963	0.969	0.976	0.983	0.990	0.993	0.999	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
8150.0	0.982	0.988	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8200.0	0.974	0.984	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8250.0	0.922	0.886	0.917	0.961	0.963	0.974	0.982	0.989	0.992	0.995	0.997	0.998	0.999	0.999	1.000
8300.0	0.815	0.879	0.916	0.939	0.961	0.973	0.981	0.988	0.992	0.994	0.997	0.998	0.999	0.999	1.000
8350.0	0.765	0.861	0.906	0.936	0.964	0.962	0.973	0.983	0.988	0.992	0.995	0.997	0.998	0.999	0.999
8400.0	0.768	0.862	0.886	0.916	0.944	0.962	0.973	0.983	0.989	0.992	0.995	0.997	0.998	0.999	0.999
8450.0	0.799	0.867	0.904	0.926	0.953	0.969	0.978	0.987	0.991	0.994	0.996	0.998	0.999	0.999	0.999
8500.0	0.816	0.880	0.914	0.939	0.961	0.973	0.981	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000
8550.0	0.852	0.904	0.932	0.952	0.970	0.979	0.985	0.991	0.994	0.996	0.997	0.998	0.999	1.000	1.000
8600.0	0.849	0.901	0.931	0.951	0.969	0.979	0.985	0.991	0.994	0.996	0.998	0.999	0.999	1.000	1.000
8650.0	0.797	0.854	0.907	0.931	0.956	0.970	0.979	0.987	0.991	0.995	0.997	0.998	0.999	0.999	1.000
8700.0	0.765	0.826	0.877	0.912	0.944	0.965	0.977	0.985	0.989	0.992	0.995	0.997	0.998	0.999	0.999
8750.0	0.674	0.761	0.838	0.886	0.925	0.951	0.965	0.977	0.984	0.989	0.994	0.996	0.998	0.998	0.999
8800.0	0.592	0.707	0.777	0.834	0.890	0.921	0.943	0.964	0.975	0.983	0.988	0.993	0.995	0.997	0.998
8850.0	0.607	0.720	0.788	0.842	0.895	0.924	0.946	0.966	0.976	0.983	0.990	0.993	0.995	0.997	0.998
8900.0	0.632	0.745	0.809	0.858	0.904	0.931	0.950	0.969	0.977	0.984	0.990	0.993	0.996	0.997	0.998
8950.0	0.647	0.776	0.844	0.888	0.928	0.949	0.963	0.976	0.985	0.989	0.994	0.996	0.997	0.998	0.999
9000.0	0.694	0.810	0.868	0.910	0.940	0.959	0.970	0.980	0.987	0.991	0.995	0.997	0.998	0.999	0.999
9050.0	0.732	0.844	0.894	0.929	0.952	0.968	0.976	0.984	0.989	0.993	0.996	0.997	0.998	0.999	0.999
9100.0	0.777	0.883	0.923	0.947	0.964	0.975	0.982	0.988	0.992	0.994	0.997	0.998	0.999	0.999	0.999
9150.0	0.887	0.926	0.950	0.965	0.979	0.986	0.990	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000
9200.0	0.909	0.943	0.960	0.972	0.983	0.989	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9250.0	0.941	0.963	0.974	0.982	0.989	0.993	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000
9300.0	0.970	0.982	0.987	0.991	0.995	0.997	0.998	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9350.0	0.985	0.992	0.994	0.996	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9400.0	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9450.0	0.996	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9500.0	0.996	0.998	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9550.0	0.990	0.994	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9600.0	0.981	0.988	0.992	0.994	0.997	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
9650.0	0.958	0.97	0.982	0.987	0.992	0.995	0.996	0.998	0.999	0.999	1.000	1.000	1.000	1.000	1.000
9700.0	0.940	0.962	0.973	0.982	0.989	0.992	0.995	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000
9750.0	0.931	0.956	0.969	0.978	0.987	0.991	0.994	0.996	0.998	0.998	0.999	1.000	1.000	1.000	1.000
9800.0	0.913	0.944	0.960	0.972	0.983	0.988	0.992	0.995	0.997	0.998	0.999	0.999	1.000	1.000	1.000
9850.0	0.893	0.931	0.951	0.966	0.979	0.985	0.990	0.994	0.996	0.997	0.998	0.999	1.000	1.000	1.000
9900.0	0.895	0.933	0.953	0.967	0.980	0.986	0.991	0.994	0.996	0.997	0.999	0.999	1.000	1.000	1.000
9950.0	0.913	0.946	0.962	0.974	0.984	0.989	0.993	0.996	0.997	0.998	0.999	0.999	1.000	1.000	1.000

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Rpt. No. SSD-TDR-62-127 - Volume II. INFRARED TRANSMISSION STUDIES, VOLUME II: THE INFRARED ABSORPTION OF WATER

Final Report, Volume II, 20 September 1962

249 p., incl. tables and illus. Unclassified Report

The infrared absorption of water vapor has been calculated over a wide range of path length, pressure, and temperature from 1000 to 10,000 cm^{-1}. The results are presented in extensive tables which give the transmission over intervals of 2.5 cm^{-1} at wave numbers below 3400 cm^{-1}. The average transmission over intervals of 20, 50, and 100 cm^{-1} is given over the complete frequency range. The calculated data representing the intensity, position, and number of spectral lines in a given frequency interval is tabulated in a form which is useful for transmission calculations. All lines

Unclassified Abstract

1. Absorption
2. Water Vapor
3. Infrared Spectroscopy

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from all isotopic species having an intensity greater than 10^{-8} of the strongest line in an absorption region were included in the calculation. The quasi-random model for the representation of band spectra is discussed in detail. Among its features are the possibility of representing the absorption by a series of lines which are arranged neither at random nor in a regular way.

Unclassified Abstract

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