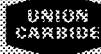


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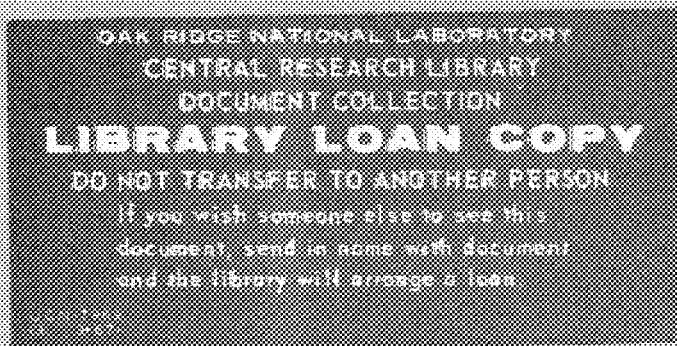
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SOME PROPERTIES OF OCTAFLUOROCYLOBUTANE (C_4F_8) OF INTEREST
IN X-RAY ABSOLUTE INTENSITY EXPERIMENTS

R. W. Hendricks and L. B. Shaffer



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METALS AND CERAMICS DIVISION

SOME PROPERTIES OF OCTAFLUOROCYCLOBUTANE (C_4F_8) OF INTEREST
IN X-RAY ABSOLUTE INTENSITY EXPERIMENTS

R. W. Hendricks and L. B. Shaffer

JULY 1971

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SOME PROPERTIES OF OCTAFLUOROCYCLOBUTANE (C_4F_8) OF INTEREST
IN X-RAY ABSOLUTE INTENSITY EXPERIMENTS

R. W. Hendricks and L. B. Shaffer¹

ABSTRACT

The number density, isothermal compressibility, and linear absorption coefficient (CuK_{α} radiation) of octafluorocyclobutane are tabulated as functions of temperature and pressure.

INTRODUCTION

The absolute x-ray differential scattering cross section of a sample may be determined experimentally if the incident x-ray power is known. Two techniques used to determine the power are (1) direct attenuation of the incident beam using absorbing filters or mechanical devices and (2) measurement of the scattered power from a sample for which the absolute differential scattering cross section is known. Shaffer² and Shaffer and Beeman³ showed that of the possible samples with known differential scattering cross sections, gases make excellent standard samples because (1) the necessary thermodynamic data are well known, (2) multiple scattering effects are negligible, and (3) they are easy to use. The differential scattering cross section at zero angle for a gas not near its critical point may be expressed as⁴

$$\frac{d\sigma(0)}{d\Omega} = \frac{d\sigma_e(0)}{d\Omega} Z^2 ckT \beta , \quad (1)$$

¹ORAU Research Participant, on leave from Anderson College, Anderson, Indiana.

²L. B. Shaffer, "Absolute X-Ray Scattering Cross Sections of Liquids and Solutions," Ph.D. thesis, University of Wisconsin (1964).

³L. B. Shaffer and W. W. Beeman, J. Appl. Cryst. 3, 379 (1970).

⁴A. Guinier and G. Fournet, Small-Angle X-Ray Scattering, p. 47, Wiley, New York, 1955.

where

$\frac{d\sigma_e(0)}{d\Omega} = 7.940 \times 10^{-26} \text{ cm}^2$ and is the Thompson
or classical cross section of an electron,
 Z = number of electrons per molecule,
 c = number of molecules per unit volume,
 β = isothermal compressibility,
 k = Boltzman's constant, and
 T = absolute temperature in degrees Kelvin.

Note that for an ideal gas $ckT\beta = 1$.

A comparison of several gases showed octafluorocyclobutane (C_4F_8)^{*} to be an ideal choice because (1) the scattering is intense ($Z = 96$), (2) the molecule is small ($R_g = 2.16 \text{ \AA}$) and, hence, the scattering near zero angle decreases only slowly with angle, (3) the dispersion corrections for CuK_{α} radiation are negligible, and (4) the thermodynamic properties are accurately known.^{5,6} The mass density (ρ), the number density (c), and the isothermal compressibility,

$$\beta = -\frac{1}{V} \left[\frac{\partial V}{\partial P} \right]_T , \quad (2)$$

may be computed from the equation of state for the gas. For C_4F_8 , these properties may be computed from tabulated data⁶ or computed directly from the equation of state.⁵ These computations become tedious because of the necessary conversion of British to centimeter-gram-second units and because of the large number of computations required to determine β by either numerical differentiation of the tabulated data or analytical solution of the equation of state. We have prepared a computer code to interpolate in the tabular data⁵ to determine c and ρ and to compute β

*This compound is also known as Freon C-318, which is the Registered Trade Mark of the E. I. duPont de Nemours Company, Wilmington, Delaware. It is available in convenient cylinder sizes from the Matheson Company, Inc., 932 Paterson Plank Road, East Rutherford, New Jersey 07073.

⁵J. J. Martin, J. Chem. Eng. Data 7, 68 (1962).

⁶"Thermodynamic Properties of Freon C-318 Refrigerant," Technical Bulletin T-C318, Freon Products Division, E. I. duPont de Nemours and Company, Wilmington, Delaware, 1964.

from the equation of state.⁵ The appendix presents our results for temperatures and pressures commonly encountered in the laboratory.

To find the x-ray power incident on the sample, the observed scattered power must be corrected for sample absorption. The mass absorption coefficient for C₄F₈ irradiated with CuK_α x-rays is computed from

$$\begin{aligned} \mu/\rho)_{C_4F_8} &= \frac{4 \times 12.011 \mu/\rho)_C + 8 \times 19.00 \mu/\rho)_F}{200.044} \\ &= 12.096 \text{ cm}^2/\text{g} , \end{aligned} \quad (3)$$

where

$$\mu/\rho)_C = 4.30 \text{ cm}^2/\text{g} \quad (\text{ref. 7,8})$$

and

$$\mu/\rho)_F = 14.56 \text{ cm}^2/\text{g} \quad (\text{ref. 9}) .$$

Note that the above mass absorption coefficients for carbon and fluorine are somewhat different from those found in the International Tables for X-Ray Crystallography.¹⁰ Values of the linear absorption coefficient $\mu(\text{cm}^{-1})$ were computed and are presented in the appendix with the other pertinent thermodynamic data.

ACKNOWLEDGEMENT

We are grateful to the Oak Ridge Associated Universities for a travel grant to one of us (L.B.S.).

⁷R. W. Batterman, Rev. Sci. Inst. 29, 1132 (1958).

⁸C. J. Sparks, unpublished research.

⁹R. W. Hendricks, unpublished research.

¹⁰International Tables for X-Ray Crystallography, vol. III,
The Kynoch Press, Birmingham, England, 1962.

APPENDIX

FOUR PARAMETERS OF C₄F₈ AS A FUNCTION OF TEMPERATURE AND PRESSURE

Parameters: c (10¹⁹ molecules/cm³) μ (cm⁻¹)
 β (10⁻⁶ cm²/dyne) ckT β

T (DEG C) (MM HG)	15.0		15.2		15.4		15.6		15.8	
	C B	U CKTB								
730.0	2.539 1.067	0.1020 1.0776	2.537 1.067	0.1019 1.0774	2.535 1.067	0.1018 1.0772	2.533 1.067	0.1017 1.0770	2.531 1.067	0.1017 1.0767
731.0	2.542 1.066	0.1021 1.0777	2.540 1.066	0.1020 1.0775	2.538 1.066	0.1020 1.0773	2.536 1.065	0.1019 1.0771	2.534 1.065	0.1018 1.0769
732.0	2.546 1.064	0.1023 1.0779	2.544 1.064	0.1022 1.0776	2.542 1.064	0.1021 1.0774	2.540 1.064	0.1020 1.0772	2.538 1.064	0.1019 1.0770
733.0	2.550 1.063	0.1024 1.0780	2.548 1.063	0.1023 1.0778	2.546 1.063	0.1023 1.0775	2.544 1.063	0.1022 1.0773	2.542 1.063	0.1021 1.0771
734.0	2.553 1.062	0.1026 1.0781	2.551 1.062	0.1025 1.0779	2.549 1.061	0.1024 1.0777	2.547 1.061	0.1023 1.0774	2.545 1.061	0.1022 1.0772
735.0	2.557 1.060	0.1027 1.0782	2.555 1.060	0.1026 1.0780	2.553 1.060	0.1025 1.0778	2.551 1.060	0.1025 1.0776	2.549 1.060	0.1024 1.0773
736.0	2.561 1.059	0.1029 1.0783	2.558 1.059	0.1028 1.0781	2.556 1.059	0.1027 1.0779	2.554 1.059	0.1026 1.0777	2.552 1.058	0.1025 1.0774
737.0	2.564 1.057	0.1030 1.0785	2.562 1.057	0.1029 1.0782	2.560 1.057	0.1028 1.0780	2.558 1.057	0.1028 1.0778	2.556 1.057	0.1027 1.0776
738.0	2.568 1.056	0.1031 1.0786	2.566 1.056	0.1031 1.0784	2.564 1.056	0.1030 1.0781	2.562 1.056	0.1029 1.0779	2.560 1.056	0.1028 1.0777
739.0	2.571 1.055	0.1033 1.0787	2.569 1.055	0.1032 1.0785	2.567 1.054	0.1031 1.0782	2.565 1.054	0.1030 1.0780	2.563 1.054	0.1030 1.0778
740.0	2.575 1.053	0.1034 1.0788	2.573 1.053	0.1034 1.0786	2.571 1.053	0.1033 1.0784	2.569 1.053	0.1032 1.0781	2.567 1.053	0.1031 1.0779
741.0	2.579 1.052	0.1036 1.0789	2.577 1.052	0.1035 1.0787	2.575 1.052	0.1034 1.0785	2.573 1.052	0.1033 1.0783	2.571 1.052	0.1033 1.0780
742.0	2.582 1.051	0.1037 1.0791	2.580 1.050	0.1036 1.0788	2.578 1.050	0.1036 1.0786	2.576 1.050	0.1035 1.0784	2.574 1.050	0.1034 1.0782
743.0	2.586 1.049	0.1039 1.0792	2.584 1.049	0.1038 1.0789	2.582 1.049	0.1037 1.0787	2.580 1.049	0.1036 1.0785	2.578 1.049	0.1035 1.0783
744.0	2.590 1.048	0.1040 1.0793	2.588 1.048	0.1039 1.0791	2.585 1.048	0.1039 1.0788	2.583 1.048	0.1038 1.0786	2.581 1.047	0.1037 1.0784

o-

T (DEG C)	15.0		15.2		15.4		15.6		15.8	
	P (MM HG)	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B
745.0	2.593 1.047	0.1042 1.0794	2.591 1.046	0.1041 1.0792	2.589 1.046	0.1040 1.0790	2.587 1.046	0.1039 1.0787	2.585 1.046	0.1038 1.0785
746.0	2.597 1.046	0.1043 1.0795	2.595 1.045	0.1042 1.0793	2.593 1.045	0.1041 1.0791	2.591 1.045	0.1041 1.0789	2.589 1.045	0.1040 1.0786
747.0	2.600 1.044	0.1045 1.0797	2.598 1.044	0.1044 1.0794	2.596 1.044	0.1043 1.0792	2.594 1.044	0.1042 1.0790	2.592 1.043	0.1041 1.0787
748.0	2.604 1.043	0.1046 1.0798	2.602 1.042	0.1045 1.0795	2.600 1.042	0.1044 1.0793	2.598 1.042	0.1044 1.0791	2.596 1.042	0.1043 1.0789
749.0	2.608 1.041	0.1047 1.0799	2.606 1.041	0.1047 1.0797	2.604 1.041	0.1046 1.0794	2.601 1.041	0.1045 1.0792	2.599 1.041	0.1044 1.0790
750.0	2.611 1.040	0.1049 1.0800	2.609 1.040	0.1048 1.0798	2.607 1.040	0.1047 1.0795	2.604 1.040	0.1046 1.0793	2.602 1.040	0.1045 1.0791
751.0	2.614 1.039	0.1050 1.0801	2.612 1.039	0.1049 1.0799	2.610 1.039	0.1048 1.0796	2.608 1.038	0.1048 1.0794	2.606 1.038	0.1047 1.0792
752.0	2.618 1.037	0.1052 1.0802	2.616 1.037	0.1051 1.0800	2.614 1.037	0.1050 1.0798	2.612 1.037	0.1049 1.0795	2.610 1.037	0.1048 1.0793
753.0	2.622 1.036	0.1053 1.0803	2.619 1.036	0.1052 1.0801	2.617 1.036	0.1051 1.0799	2.615 1.036	0.1051 1.0797	2.613 1.036	0.1050 1.0794
754.0	2.625 1.035	0.1054 1.0805	2.623 1.035	0.1054 1.0802	2.621 1.035	0.1053 1.0800	2.619 1.034	0.1052 1.0798	2.617 1.034	0.1051 1.0795
755.0	2.629 1.033	0.1056 1.0806	2.627 1.033	0.1055 1.0804	2.625 1.033	0.1054 1.0801	2.623 1.033	0.1053 1.0799	2.620 1.033	0.1053 1.0797
756.0	2.632 1.032	0.1057 1.0807	2.630 1.032	0.1057 1.0805	2.628 1.032	0.1056 1.0802	2.626 1.032	0.1055 1.0800	2.624 1.032	0.1054 1.0798
757.0	2.636 1.031	0.1059 1.0808	2.634 1.031	0.1058 1.0806	2.632 1.031	0.1057 1.0804	2.630 1.031	0.1056 1.0801	2.628 1.030	0.1056 1.0799
758.0	2.640 1.030	0.1060 1.0809	2.638 1.029	0.1059 1.0807	2.635 1.029	0.1059 1.0805	2.633 1.029	0.1058 1.0802	2.631 1.029	0.1057 1.0800
759.0	2.643 1.028	0.1062 1.0811	2.641 1.028	0.1061 1.0808	2.639 1.028	0.1060 1.0806	2.637 1.028	0.1059 1.0804	2.635 1.028	0.1058 1.0801
760.0	2.647 1.027	0.1063 1.0812	2.645 1.027	0.1062 1.0809	2.643 1.027	0.1062 1.0807	2.641 1.027	0.1061 1.0805	2.639 1.027	0.1060 1.0803

T (DEG C)	16.0		16.2		16.4		16.6		16.8	
	P (MM HG)	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B
730.0	2.529 1.067	0.1016 1.0765	2.527 1.067	0.1015 1.0763	2.525 1.066	0.1014 1.0761	2.523 1.066	0.1013 1.0759	2.521 1.066	0.1013 1.0757
731.0	2.532 1.065	0.1017 1.0766	2.530 1.065	0.1016 1.0764	2.528 1.065	0.1016 1.0762	2.526 1.065	0.1015 1.0760	2.524 1.065	0.1014 1.0758
732.0	2.536 1.064	0.1019 1.0768	2.534 1.064	0.1018 1.0765	2.532 1.064	0.1017 1.0763	2.530 1.064	0.1016 1.0761	2.528 1.063	0.1015 1.0759
733.0	2.540 1.062	0.1020 1.0769	2.538 1.062	0.1019 1.0767	2.536 1.062	0.1019 1.0764	2.534 1.062	0.1018 1.0762	2.532 1.062	0.1017 1.0760
734.0	2.543 1.061	0.1022 1.0770	2.541 1.061	0.1021 1.0768	2.539 1.061	0.1020 1.0766	2.537 1.061	0.1019 1.0763	2.535 1.061	0.1018 1.0761
735.0	2.547 1.060	0.1023 1.0771	2.545 1.060	0.1022 1.0769	2.543 1.059	0.1021 1.0767	2.541 1.059	0.1021 1.0765	2.539 1.059	0.1020 1.0762
736.0	2.550 1.058	0.1024 1.0772	2.548 1.058	0.1024 1.0770	2.546 1.058	0.1023 1.0768	2.544 1.058	0.1022 1.0766	2.542 1.058	0.1021 1.0764
737.0	2.554 1.057	0.1026 1.0773	2.552 1.057	0.1025 1.0771	2.550 1.057	0.1024 1.0769	2.548 1.057	0.1023 1.0767	2.546 1.056	0.1023 1.0765
738.0	2.558 1.056	0.1027 1.0775	2.556 1.055	0.1027 1.0772	2.554 1.055	0.1026 1.0770	2.552 1.055	0.1025 1.0768	2.550 1.055	0.1024 1.0766
739.0	2.561 1.054	0.1029 1.0776	2.559 1.054	0.1028 1.0774	2.557 1.054	0.1027 1.0771	2.555 1.054	0.1026 1.0769	2.553 1.054	0.1026 1.0767
740.0	2.565 1.053	0.1030 1.0777	2.563 1.053	0.1029 1.0775	2.561 1.053	0.1029 1.0773	2.559 1.052	0.1028 1.0770	2.557 1.052	0.1027 1.0768
741.0	2.568 1.051	0.1032 1.0778	2.566 1.051	0.1031 1.0776	2.564 1.051	0.1030 1.0774	2.562 1.051	0.1029 1.0771	2.560 1.051	0.1028 1.0769
742.0	2.572 1.050	0.1033 1.0779	2.570 1.050	0.1032 1.0777	2.568 1.050	0.1032 1.0775	2.566 1.050	0.1031 1.0773	2.564 1.050	0.1030 1.0770
743.0	2.576 1.049	0.1035 1.0780	2.574 1.049	0.1034 1.0778	2.572 1.048	0.1033 1.0776	2.570 1.048	0.1032 1.0774	2.568 1.048	0.1031 1.0772
744.0	2.579 1.047	0.1036 1.0782	2.577 1.047	0.1035 1.0779	2.575 1.047	0.1034 1.0777	2.573 1.047	0.1034 1.0775	2.571 1.047	0.1033 1.0773

∞

T (DEG C)	16.0		16.2		16.4		16.6		16.8	
	P (MM HG)	C 8	U CKTB	C 8	U CKTB	C 8	U CKTB	C 8	U CKTB	C 8
745.0	2.583 1.046	0.1038 1.0783	2.581 1.046	0.1037 1.0781	2.579 1.046	0.1036 1.0778	2.577 1.046	0.1035 1.0776	2.575 1.046	0.1034 1.0774
746.0	2.587 1.045	0.1039 1.0784	2.584 1.045	0.1038 1.0782	2.582 1.044	0.1037 1.0780	2.580 1.044	0.1037 1.0777	2.578 1.044	0.1036 1.0775
747.0	2.586 1.043	0.1040 1.0785	2.588 1.043	0.1040 1.0783	2.586 1.043	0.1039 1.0781	2.584 1.043	0.1038 1.0778	2.582 1.043	0.1037 1.0776
748.0	2.594 1.042	0.1042 1.0786	2.592 1.042	0.1041 1.0784	2.590 1.042	0.1040 1.0782	2.588 1.042	0.1039 1.0780	2.586 1.042	0.1039 1.0777
749.0	2.597 1.041	0.1043 1.0788	2.595 1.041	0.1043 1.0785	2.593 1.040	0.1042 1.0783	2.591 1.040	0.1041 1.0781	2.589 1.040	0.1040 1.0779
750.0	2.600 1.040	0.1045 1.0789	2.598 1.039	0.1044 1.0786	2.596 1.039	0.1043 1.0784	2.594 1.039	0.1042 1.0782	2.592 1.039	0.1041 1.0779
751.0	2.604 1.038	0.1046 1.0790	2.602 1.038	0.1045 1.0787	2.600 1.038	0.1044 1.0785	2.598 1.038	0.1043 1.0783	2.596 1.038	0.1043 1.0781
752.0	2.608 1.037	0.1047 1.0791	2.605 1.037	0.1047 1.0789	2.603 1.037	0.1046 1.0786	2.601 1.037	0.1045 1.0784	2.599 1.036	0.1044 1.0782
753.0	2.611 1.036	0.1049 1.0792	2.609 1.035	0.1048 1.0790	2.607 1.035	0.1047 1.0787	2.605 1.035	0.1046 1.0785	2.603 1.035	0.1046 1.0783
754.0	2.615 1.034	0.1050 1.0793	2.613 1.034	0.1049 1.0791	2.611 1.034	0.1049 1.0789	2.609 1.034	0.1048 1.0786	2.606 1.034	0.1047 1.0784
755.0	2.618 1.033	0.1052 1.0794	2.616 1.033	0.1051 1.0792	2.614 1.033	0.1050 1.0790	2.612 1.033	0.1049 1.0788	2.610 1.032	0.1048 1.0785
756.0	2.622 1.032	0.1053 1.0796	2.620 1.032	0.1052 1.0793	2.618 1.031	0.1052 1.0791	2.616 1.031	0.1051 1.0789	2.614 1.031	0.1050 1.0786
757.0	2.626 1.030	0.1055 1.0797	2.624 1.030	0.1054 1.0794	2.621 1.030	0.1053 1.0792	2.619 1.030	0.1052 1.0790	2.617 1.030	0.1051 1.0788
758.0	2.629 1.029	0.1056 1.0798	2.627 1.029	0.1055 1.0796	2.625 1.029	0.1054 1.0793	2.623 1.029	0.1054 1.0791	2.621 1.029	0.1053 1.0789
759.0	2.633 1.028	0.1058 1.0799	2.631 1.028	0.1057 1.0797	2.629 1.027	0.1056 1.0794	2.627 1.027	0.1055 1.0792	2.624 1.027	0.1054 1.0790
760.0	2.636 1.026	0.1059 1.0800	2.634 1.026	0.1058 1.0798	2.632 1.026	0.1057 1.0796	2.630 1.026	0.1057 1.0793	2.628 1.026	0.1056 1.0791

T (DEG C)	17.0		17.2		17.4		17.6		17.8	
P (MM HG)	C 8	U CKTB	C B	U CKTB	C 8	U CKTB	C 8	U CKTB	C B	U CKTB
730.0	2.519 1.066	0.1012 1.0754	2.517 1.066	0.1011 1.0752	2.515 1.066	0.1010 1.0750	2.513 1.066	0.1009 1.0748	2.511 1.066	0.1009 1.0746
731.0	2.522 1.065	0.1013 1.0756	2.520 1.065	0.1012 1.0753	2.518 1.064	0.1012 1.0751	2.516 1.064	0.1011 1.0749	2.514 1.064	0.1010 1.0747
732.0	2.526 1.063	0.1015 1.0757	2.524 1.063	0.1014 1.0755	2.522 1.063	0.1013 1.0752	2.520 1.062	0.1012 1.0750	2.518 1.063	0.1011 1.0748
733.0	2.530 1.062	0.1016 1.0758	2.528 1.062	0.1015 1.0756	2.526 1.062	0.1015 1.0754	2.524 1.062	0.1014 1.0751	2.522 1.061	0.1013 1.0749
734.0	2.533 1.061	0.1018 1.0759	2.531 1.060	0.1017 1.0757	2.529 1.060	0.1016 1.0755	2.527 1.060	0.1015 1.0753	2.525 1.060	0.1014 1.0750
735.0	2.537 1.059	0.1019 1.0760	2.535 1.059	0.1018 1.0758	2.533 1.059	0.1017 1.0756	2.531 1.059	0.1017 1.0754	2.529 1.059	0.1016 1.0752
736.0	2.540 1.058	0.1020 1.0761	2.538 1.058	0.1020 1.0759	2.536 1.058	0.1019 1.0757	2.534 1.057	0.1018 1.0755	2.532 1.057	0.1017 1.0753
737.0	2.544 1.056	0.1022 1.0762	2.542 1.056	0.1021 1.0760	2.540 1.056	0.1020 1.0758	2.538 1.056	0.1019 1.0756	2.536 1.056	0.1019 1.0754
738.0	2.548 1.055	0.1023 1.0764	2.546 1.055	0.1023 1.0761	2.544 1.055	0.1022 1.0759	2.542 1.055	0.1021 1.0757	2.540 1.055	0.1020 1.0755
739.0	2.551 1.054	0.1025 1.0765	2.549 1.053	0.1024 1.0763	2.547 1.053	0.1023 1.0760	2.545 1.053	0.1022 1.0758	2.543 1.053	0.1022 1.0756
740.0	2.555 1.052	0.1026 1.0766	2.553 1.052	0.1025 1.0764	2.551 1.052	0.1025 1.0762	2.549 1.052	0.1024 1.0759	2.547 1.052	0.1023 1.0757
741.0	2.558 1.051	0.1028 1.0767	2.556 1.051	0.1027 1.0765	2.554 1.051	0.1026 1.0763	2.552 1.051	0.1025 1.0761	2.550 1.050	0.1024 1.0758
742.0	2.562 1.049	0.1029 1.0768	2.560 1.049	0.1028 1.0766	2.558 1.049	0.1027 1.0764	2.556 1.049	0.1027 1.0762	2.554 1.049	0.1026 1.0760
743.0	2.566 1.048	0.1031 1.0769	2.564 1.048	0.1030 1.0767	2.562 1.048	0.1029 1.0765	2.559 1.048	0.1028 1.0763	2.557 1.048	0.1027 1.0761
744.0	2.569 1.047	0.1032 1.0771	2.567 1.047	0.1031 1.0768	2.565 1.047	0.1030 1.0766	2.563 1.046	0.1030 1.0764	2.561 1.046	0.1029 1.0762

D

T (DEG C)	17.0		17.2		17.4		17.6		17.8	
	P (MM HG)	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B
745.0	2.573 1.045	0.1033 1.0772	2.571 1.045	0.1033 1.0770	2.569 1.045	0.1032 1.0767	2.567 1.045	0.1031 1.0765	2.565 1.045	0.1030 1.0763
746.0	2.576 1.044	0.1035 1.0773	2.574 1.044	0.1034 1.0771	2.572 1.044	0.1033 1.0768	2.570 1.044	0.1032 1.0766	2.568 1.044	0.1032 1.0764
747.0	2.580 1.043	0.1036 1.0774	2.578 1.043	0.1036 1.0772	2.576 1.043	0.1035 1.0770	2.574 1.042	0.1034 1.0767	2.572 1.042	0.1033 1.0765
748.0	2.584 1.041	0.1038 1.0775	2.581 1.041	0.1037 1.0773	2.579 1.041	0.1036 1.0771	2.577 1.041	0.1035 1.0769	2.575 1.041	0.1035 1.0766
749.0	2.587 1.040	0.1039 1.0776	2.585 1.040	0.1038 1.0774	2.583 1.040	0.1038 1.0772	2.581 1.040	0.1037 1.0770	2.579 1.040	0.1036 1.0768
750.0	2.590 1.039	0.1040 1.0777	2.588 1.039	0.1040 1.0775	2.586 1.039	0.1039 1.0773	2.584 1.039	0.1038 1.0771	2.582 1.039	0.1037 1.0768
751.0	2.594 1.038	0.1042 1.0778	2.592 1.038	0.1041 1.0776	2.590 1.037	0.1040 1.0774	2.588 1.037	0.1039 1.0772	2.585 1.037	0.1039 1.0770
752.0	2.597 1.036	0.1043 1.0780	2.595 1.036	0.1042 1.0777	2.593 1.036	0.1042 1.0775	2.591 1.036	0.1041 1.0773	2.589 1.036	0.1040 1.0771
753.0	2.601 1.035	0.1045 1.0781	2.599 1.035	0.1044 1.0779	2.597 1.035	0.1043 1.0776	2.595 1.035	0.1042 1.0774	2.593 1.035	0.1041 1.0772
754.0	2.604 1.034	0.1046 1.0782	2.602 1.034	0.1045 1.0780	2.600 1.033	0.1045 1.0777	2.598 1.033	0.1044 1.0775	2.596 1.033	0.1043 1.0773
755.0	2.608 1.032	0.1048 1.0783	2.606 1.032	0.1047 1.0781	2.604 1.032	0.1046 1.0779	2.602 1.032	0.1045 1.0776	2.600 1.032	0.1044 1.0774
756.0	2.612 1.031	0.1049 1.0784	2.610 1.031	0.1048 1.0782	2.607 1.031	0.1047 1.0780	2.605 1.031	0.1047 1.0778	2.603 1.031	0.1046 1.0775
757.0	2.615 1.030	0.1051 1.0785	2.613 1.030	0.1050 1.0783	2.611 1.030	0.1049 1.0781	2.609 1.029	0.1048 1.0779	2.607 1.029	0.1047 1.0776
758.0	2.619 1.028	0.1052 1.0787	2.617 1.028	0.1051 1.0784	2.615 1.028	0.1050 1.0782	2.613 1.028	0.1049 1.0780	2.611 1.028	0.1049 1.0778
759.0	2.622 1.027	0.1053 1.0788	2.620 1.027	0.1053 1.0785	2.618 1.027	0.1052 1.0783	2.616 1.027	0.1051 1.0781	2.614 1.027	0.1050 1.0779
760.0	2.626 1.026	0.1055 1.0789	2.624 1.026	0.1054 1.0787	2.622 1.026	0.1053 1.0784	2.620 1.026	0.1052 1.0782	2.618 1.025	0.1052 1.0780

T (DEG C)	18.0		18.2		18.4		18.6		18.8	
	P (MM HG)	C B	U CKTB	C R	U CKTB	C B	U CKTB	C B	U CKTB	C B
730.0	2.509 1.066	0.1008 1.0744	2.507 1.065	0.1007 1.0742	2.505 1.065	0.1006 1.0740	2.503 1.065	0.1005 1.0738	2.501 1.065	0.1005 1.0735
731.0	2.513 1.064	0.1009 1.0745	2.511 1.064	0.1008 1.0743	2.509 1.064	0.1008 1.0741	2.507 1.064	0.1007 1.0739	2.505 1.064	0.1006 1.0737
732.0	2.516 1.063	0.1011 1.0746	2.514 1.063	0.1010 1.0744	2.512 1.063	0.1009 1.0742	2.510 1.062	0.1008 1.0740	2.508 1.062	0.1008 1.0738
733.0	2.520 1.061	0.1012 1.0747	2.518 1.061	0.1011 1.0745	2.516 1.061	0.1011 1.0743	2.514 1.061	0.1010 1.0741	2.512 1.061	0.1009 1.0739
734.0	2.523 1.060	0.1014 1.0748	2.521 1.060	0.1013 1.0746	2.519 1.060	0.1012 1.0744	2.517 1.060	0.1011 1.0742	2.515 1.060	0.1010 1.0740
735.0	2.527 1.059	0.1015 1.0749	2.525 1.058	0.1014 1.0747	2.523 1.058	0.1013 1.0745	2.521 1.058	0.1013 1.0743	2.519 1.058	0.1012 1.0741
736.0	2.530 1.057	0.1016 1.0751	2.528 1.057	0.1016 1.0748	2.526 1.057	0.1015 1.0746	2.524 1.057	0.1014 1.0744	2.523 1.057	0.1013 1.0742
737.0	2.534 1.056	0.1018 1.0752	2.532 1.056	0.1017 1.0750	2.530 1.056	0.1016 1.0747	2.528 1.056	0.1015 1.0745	2.526 1.055	0.1015 1.0743
738.0	2.538 1.054	0.1019 1.0753	2.536 1.054	0.1019 1.0751	2.534 1.054	0.1018 1.0749	2.532 1.054	0.1017 1.0747	2.530 1.054	0.1016 1.0744
739.0	2.541 1.053	0.1021 1.0754	2.539 1.053	0.1020 1.0752	2.537 1.053	0.1019 1.0750	2.535 1.053	0.1018 1.0748	2.533 1.053	0.1018 1.0746
740.0	2.545 1.052	0.1022 1.0755	2.543 1.052	0.1021 1.0753	2.541 1.051	0.1021 1.0751	2.539 1.051	0.1020 1.0749	2.537 1.051	0.1019 1.0747
741.0	2.548 1.050	0.1024 1.0756	2.546 1.050	0.1023 1.0754	2.544 1.050	0.1022 1.0752	2.542 1.050	0.1021 1.0750	2.540 1.050	0.1020 1.0748
742.0	2.552 1.049	0.1025 1.0757	2.550 1.049	0.1024 1.0755	2.548 1.049	0.1023 1.0753	2.546 1.049	0.1023 1.0751	2.544 1.049	0.1022 1.0749
743.0	2.555 1.048	0.1027 1.0759	2.553 1.047	0.1026 1.0756	2.551 1.047	0.1025 1.0754	2.550 1.047	0.1024 1.0752	2.548 1.047	0.1023 1.0750
744.0	2.559 1.046	0.1028 1.0760	2.557 1.046	0.1027 1.0758	2.555 1.046	0.1026 1.0756	2.553 1.046	0.1026 1.0753	2.551 1.046	0.1025 1.0751

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T (DEG C)	18.0		18.2		18.4		18.6		18.8	
	P (MM HG)	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B
745.0	2.563 1.045	0.1029 1.0761	2.561 1.045	0.1029 1.0759	2.559 1.045	0.1029 1.0757	2.557 1.045	0.1027 1.0754	2.555 1.044	0.1026 1.0752
746.0	2.566 1.044	0.1031 1.0762	2.564 1.043	0.1030 1.0760	2.562 1.043	0.1029 1.0758	2.560 1.043	0.1028 1.0756	2.558 1.043	0.1028 1.0753
747.0	2.570 1.042	0.1032 1.0763	2.568 1.042	0.1031 1.0761	2.566 1.042	0.1031 1.0759	2.564 1.042	0.1030 1.0757	2.562 1.042	0.1029 1.0755
748.0	2.573 1.041	0.1034 1.0764	2.571 1.041	0.1033 1.0762	2.569 1.041	0.1032 1.0760	2.567 1.041	0.1031 1.0758	2.565 1.040	0.1030 1.0756
749.0	2.577 1.040	0.1035 1.0765	2.575 1.039	0.1034 1.0763	2.573 1.039	0.1034 1.0761	2.571 1.039	0.1033 1.0759	2.569 1.039	0.1032 1.0757
750.0	2.580 1.038	0.1036 1.0766	2.578 1.038	0.1035 1.0764	2.576 1.038	0.1035 1.0762	2.574 1.038	0.1034 1.0760	2.572 1.038	0.1033 1.0758
751.0	2.583 1.037	0.1038 1.0767	2.581 1.037	0.1037 1.0765	2.579 1.037	0.1036 1.0763	2.577 1.037	0.1035 1.0761	2.575 1.037	0.1035 1.0759
752.0	2.587 1.036	0.1039 1.0769	2.585 1.036	0.1038 1.0766	2.583 1.036	0.1038 1.0764	2.581 1.035	0.1037 1.0762	2.579 1.035	0.1036 1.0760
753.0	2.591 1.034	0.1041 1.0770	2.589 1.034	0.1040 1.0768	2.587 1.034	0.1039 1.0765	2.585 1.034	0.1038 1.0763	2.583 1.034	0.1037 1.0761
754.0	2.594 1.033	0.1042 1.0771	2.592 1.033	0.1041 1.0769	2.590 1.033	0.1040 1.0766	2.588 1.033	0.1040 1.0764	2.586 1.033	0.1039 1.0762
755.0	2.598 1.032	0.1043 1.0772	2.596 1.032	0.1043 1.0770	2.594 1.032	0.1042 1.0768	2.592 1.031	0.1041 1.0765	2.590 1.031	0.1040 1.0763
756.0	2.601 1.031	0.1045 1.0773	2.599 1.030	0.1044 1.0771	2.597 1.030	0.1043 1.0769	2.595 1.030	0.1042 1.0767	2.593 1.030	0.1042 1.0764
757.0	2.605 1.029	0.1046 1.0774	2.603 1.029	0.1046 1.0772	2.601 1.029	0.1045 1.0770	2.599 1.029	0.1044 1.0768	2.597 1.029	0.1043 1.0766
758.0	2.609 1.028	0.1048 1.0775	2.606 1.028	0.1047 1.0773	2.604 1.028	0.1046 1.0771	2.602 1.028	0.1045 1.0769	2.600 1.027	0.1045 1.0767
759.0	2.612 1.027	0.1049 1.0777	2.610 1.026	0.1048 1.0774	2.608 1.026	0.1048 1.0772	2.606 1.026	0.1047 1.0770	2.604 1.026	0.1046 1.0768
760.0	2.616 1.025	0.1051 1.0778	2.614 1.025	0.1050 1.0775	2.612 1.025	0.1049 1.0773	2.610 1.025	0.1048 1.0771	2.607 1.025	0.1047 1.0769

T (DEG C)	19.0		19.2		19.4		19.6		19.8	
	P (MM HG)	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B
730.0	2.499 1.065	0.1004 1.0733	2.497 1.065	0.1003 1.0731	2.495 1.065	0.1002 1.0729	2.493 1.065	0.1002 1.0727	2.491 1.065	0.1001 1.0725
731.0	2.503 1.064	0.1005 1.0734	2.501 1.064	0.1005 1.0732	2.499 1.063	0.1004 1.0730	2.497 1.063	0.1003 1.0728	2.495 1.063	0.1002 1.0726
732.0	2.506 1.062	0.1007 1.0736	2.504 1.062	0.1006 1.0734	2.502 1.062	0.1005 1.0731	2.500 1.062	0.1004 1.0729	2.499 1.062	0.1004 1.0727
733.0	2.510 1.061	0.1008 1.0737	2.508 1.061	0.1007 1.0735	2.506 1.061	0.1007 1.0733	2.504 1.061	0.1006 1.0731	2.502 1.060	0.1005 1.0728
734.0	2.513 1.059	0.1009 1.0738	2.511 1.059	0.1009 1.0736	2.510 1.059	0.1008 1.0734	2.508 1.059	0.1007 1.0732	2.506 1.059	0.1006 1.0730
735.0	2.517 1.058	0.1011 1.0739	2.515 1.058	0.1010 1.0737	2.513 1.058	0.1009 1.0735	2.511 1.058	0.1009 1.0733	2.509 1.058	0.1008 1.0731
736.0	2.521 1.057	0.1012 1.0740	2.519 1.057	0.1012 1.0738	2.517 1.056	0.1011 1.0736	2.515 1.056	0.1010 1.0734	2.513 1.056	0.1009 1.0732
737.0	2.524 1.055	0.1014 1.0741	2.522 1.055	0.1013 1.0739	2.520 1.055	0.1012 1.0737	2.518 1.055	0.1012 1.0735	2.516 1.055	0.1011 1.0733
738.0	2.528 1.054	0.1015 1.0742	2.526 1.054	0.1015 1.0740	2.524 1.054	0.1014 1.0738	2.522 1.054	0.1013 1.0736	2.520 1.053	0.1012 1.0734
739.0	2.531 1.053	0.1017 1.0743	2.529 1.052	0.1016 1.0741	2.527 1.052	0.1015 1.0739	2.525 1.052	0.1014 1.0737	2.523 1.052	0.1014 1.0735
740.0	2.535 1.051	0.1018 1.0745	2.533 1.051	0.1017 1.0742	2.531 1.051	0.1017 1.0740	2.529 1.051	0.1016 1.0738	2.527 1.051	0.1015 1.0736
741.0	2.538 1.050	0.1020 1.0746	2.536 1.050	0.1019 1.0744	2.534 1.050	0.1018 1.0741	2.532 1.049	0.1017 1.0739	2.531 1.049	0.1016 1.0737
742.0	2.542 1.048	0.1021 1.0747	2.540 1.048	0.1020 1.0745	2.538 1.048	0.1019 1.0743	2.536 1.048	0.1019 1.0741	2.534 1.048	0.1018 1.0738
743.0	2.546 1.047	0.1023 1.0748	2.544 1.047	0.1022 1.0746	2.542 1.047	0.1021 1.0744	2.540 1.047	0.1020 1.0742	2.538 1.047	0.1019 1.0740
744.0	2.549 1.046	0.1024 1.0749	2.547 1.046	0.1023 1.0747	2.545 1.045	0.1022 1.0745	2.543 1.045	0.1022 1.0743	2.541 1.045	0.1021 1.0741

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T (DEG C)	19.0		19.2		19.4		19.6		19.8	
	P (MM HG)	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B
745.0	2.553 1.044	0.1025 1.0750	2.551 1.044	0.1025 1.0748	2.549 1.044	0.1024 1.0746	2.547 1.044	0.1023 1.0744	2.545 1.044	0.1022 1.0742
746.0	2.556 1.043	0.1027 1.0751	2.554 1.043	0.1026 1.0749	2.552 1.043	0.1025 1.0747	2.550 1.043	0.1024 1.0745	2.548 1.043	0.1024 1.0743
747.0	2.560 1.042	0.1028 1.0752	2.558 1.042	0.1027 1.0750	2.556 1.041	0.1027 1.0748	2.554 1.041	0.1026 1.0746	2.552 1.041	0.1025 1.0744
748.0	2.563 1.040	0.1030 1.0753	2.561 1.040	0.1029 1.0751	2.559 1.040	0.1028 1.0749	2.557 1.040	0.1027 1.0747	2.555 1.040	0.1026 1.0745
749.0	2.567 1.039	0.1031 1.0755	2.565 1.039	0.1030 1.0752	2.563 1.039	0.1029 1.0750	2.561 1.039	0.1029 1.0748	2.559 1.039	0.1028 1.0746
750.0	2.570 1.038	0.1032 1.0756	2.568 1.038	0.1031 1.0753	2.566 1.038	0.1031 1.0751	2.564 1.038	0.1030 1.0749	2.562 1.037	0.1029 1.0747
751.0	2.573 1.037	0.1034 1.0757	2.571 1.036	0.1033 1.0755	2.569 1.036	0.1032 1.0752	2.567 1.036	0.1031 1.0750	2.565 1.036	0.1030 1.0748
752.0	2.577 1.035	0.1035 1.0758	2.575 1.035	0.1034 1.0756	2.573 1.035	0.1034 1.0753	2.571 1.035	0.1033 1.0751	2.569 1.035	0.1032 1.0749
753.0	2.580 1.034	0.1037 1.0759	2.578 1.034	0.1036 1.0757	2.576 1.034	0.1035 1.0755	2.574 1.034	0.1034 1.0752	2.572 1.033	0.1033 1.0750
754.0	2.584 1.033	0.1038 1.0760	2.582 1.032	0.1037 1.0758	2.580 1.032	0.1036 1.0756	2.578 1.032	0.1036 1.0754	2.576 1.032	0.1035 1.0751
755.0	2.588 1.031	0.1039 1.0761	2.586 1.031	0.1039 1.0759	2.584 1.031	0.1038 1.0757	2.582 1.031	0.1037 1.0755	2.580 1.031	0.1036 1.0753
756.0	2.591 1.030	0.1041 1.0762	2.589 1.030	0.1040 1.0760	2.587 1.030	0.1039 1.0758	2.585 1.030	0.1038 1.0756	2.583 1.030	0.1038 1.0754
757.0	2.595 1.029	0.1042 1.0763	2.593 1.029	0.1041 1.0761	2.591 1.028	0.1041 1.0759	2.589 1.028	0.1040 1.0757	2.587 1.028	0.1039 1.0755
758.0	2.598 1.027	0.1044 1.0764	2.596 1.027	0.1043 1.0762	2.594 1.027	0.1042 1.0760	2.592 1.027	0.1041 1.0758	2.590 1.027	0.1040 1.0756
759.0	2.602 1.026	0.1045 1.0765	2.600 1.026	0.1044 1.0763	2.598 1.026	0.1044 1.0761	2.596 1.026	0.1043 1.0759	2.594 1.026	0.1042 1.0757
760.0	2.605 1.025	0.1047 1.0767	2.603 1.025	0.1046 1.0765	2.601 1.025	0.1045 1.0762	2.599 1.024	0.1044 1.0760	2.597 1.024	0.1043 1.0758

T (DEG C)	20.0		20.2		20.4		20.6		20.8	
	P (MM HG)	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B
730.0	2.489 1.065	0.1000 1.0723	2.488 1.0724	0.1000 1.0722	2.486 1.064	0.1000 1.0719	2.484 1.064	0.1000 1.0717	2.482 1.064	0.1000 1.0715
731.0	2.493 1.063	0.1001 1.0724	2.491 1.063	0.1001 1.0722	2.489 1.063	0.1000 1.0720	2.487 1.063	0.1000 1.0718	2.485 1.063	0.1000 1.0716
732.0	2.497 1.062	0.1003 1.0725	2.495 1.062	0.1002 1.0723	2.493 1.061	0.1001 1.0721	2.491 1.061	0.1001 1.0719	2.489 1.061	0.1000 1.0717
733.0	2.500 1.060	0.1004 1.0726	2.498 1.060	0.1004 1.0724	2.496 1.060	0.1003 1.0722	2.494 1.060	0.1002 1.0720	2.492 1.060	0.1001 1.0718
734.0	2.504 1.059	0.1006 1.0728	2.502 1.059	0.1005 1.0726	2.500 1.059	0.1004 1.0723	2.498 1.059	0.1003 1.0721	2.496 1.058	0.1003 1.0719
735.0	2.507 1.058	0.1007 1.0729	2.505 1.057	0.1006 1.0727	2.503 1.057	0.1006 1.0725	2.501 1.057	0.1005 1.0723	2.500 1.057	0.1004 1.0721
736.0	2.511 1.056	0.1009 1.0730	2.509 1.056	0.1008 1.0728	2.507 1.056	0.1007 1.0726	2.505 1.056	0.1006 1.0724	2.503 1.056	0.1005 1.0722
737.0	2.514 1.055	0.1010 1.0731	2.512 1.055	0.1009 1.0729	2.510 1.055	0.1008 1.0727	2.509 1.054	0.1008 1.0725	2.507 1.054	0.1007 1.0723
738.0	2.518 1.053	0.1011 1.0732	2.516 1.053	0.1011 1.0730	2.514 1.053	0.1010 1.0728	2.512 1.053	0.1009 1.0726	2.510 1.053	0.1008 1.0724
739.0	2.521 1.052	0.1013 1.0733	2.519 1.052	0.1012 1.0731	2.518 1.052	0.1011 1.0729	2.516 1.052	0.1010 1.0727	2.514 1.052	0.1010 1.0725
740.0	2.525 1.051	0.1014 1.0734	2.523 1.051	0.1013 1.0732	2.521 1.050	0.1013 1.0730	2.519 1.050	0.1012 1.0728	2.517 1.050	0.1011 1.0726
741.0	2.529 1.049	0.1016 1.0735	2.527 1.049	0.1015 1.0733	2.525 1.049	0.1014 1.0731	2.523 1.049	0.1013 1.0729	2.521 1.049	0.1013 1.0727
742.0	2.532 1.048	0.1017 1.0736	2.530 1.048	0.1016 1.0734	2.528 1.048	0.1016 1.0732	2.526 1.048	0.1015 1.0730	2.524 1.047	0.1014 1.0728
743.0	2.536 1.047	0.1019 1.0737	2.534 1.046	0.1018 1.0735	2.532 1.046	0.1017 1.0733	2.530 1.046	0.1016 1.0731	2.528 1.046	0.1015 1.0729
744.0	2.539 1.045	0.1020 1.0739	2.537 1.045	0.1019 1.0736	2.535 1.045	0.1018 1.0734	2.533 1.045	0.1018 1.0732	2.531 1.045	0.1017 1.0730

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T (DEG C) (MM HG)	20.0		20.2		20.4		20.6		20.8	
	P C B	U CKTB	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B	U CKTB
745.0	2.543 1.044	0.1021 1.0747	2.541 1.044	0.1021 1.0738	2.539 1.044	0.1020 1.0736	2.537 1.044	0.1019 1.0733	2.535 1.043	0.1018 1.0731
746.0	2.546 1.042	0.1023 1.0741	2.544 1.042	0.1022 1.0739	2.542 1.042	0.1021 1.0737	2.540 1.042	0.1020 1.0735	2.538 1.042	0.1020 1.0733
747.0	2.550 1.041	0.1024 1.0742	2.548 1.041	0.1023 1.0740	2.546 1.041	0.1023 1.0738	2.544 1.041	0.1022 1.0736	2.542 1.041	0.1021 1.0734
748.0	2.553 1.040	0.1026 1.0743	2.551 1.040	0.1025 1.0741	2.549 1.040	0.1024 1.0739	2.547 1.039	0.1023 1.0737	2.545 1.039	0.1022 1.0735
749.0	2.557 1.038	0.1027 1.0744	2.555 1.038	0.1026 1.0742	2.553 1.038	0.1026 1.0740	2.551 1.038	0.1025 1.0738	2.549 1.038	0.1024 1.0736
750.0	2.560 1.037	0.1028 1.0745	2.558 1.037	0.1027 1.0743	2.556 1.037	0.1027 1.0741	2.554 1.037	0.1026 1.0739	2.552 1.037	0.1025 1.0737
751.0	2.563 1.036	0.1029 1.0746	2.561 1.036	0.1029 1.0744	2.559 1.036	0.1028 1.0742	2.557 1.036	0.1027 1.0740	2.555 1.036	0.1026 1.0738
752.0	2.567 1.035	0.1031 1.0747	2.565 1.035	0.1030 1.0745	2.563 1.035	0.1030 1.0743	2.561 1.034	0.1029 1.0741	2.559 1.034	0.1028 1.0739
753.0	2.570 1.033	0.1033 1.0748	2.568 1.033	0.1032 1.0746	2.566 1.033	0.1031 1.0744	2.564 1.033	0.1030 1.0742	2.563 1.033	0.1029 1.0740
754.0	2.574 1.032	0.1034 1.0749	2.572 1.032	0.1033 1.0747	2.570 1.032	0.1032 1.0745	2.568 1.032	0.1032 1.0743	2.566 1.032	0.1031 1.0741
755.0	2.578 1.031	0.1035 1.0750	2.576 1.031	0.1035 1.0748	2.574 1.031	0.1034 1.0746	2.572 1.030	0.1033 1.0744	2.570 1.030	0.1032 1.0742
756.0	2.581 1.029	0.1037 1.0752	2.579 1.029	0.1036 1.0749	2.577 1.029	0.1035 1.0747	2.575 1.029	0.1034 1.0745	2.573 1.029	0.1034 1.0743
757.0	2.585 1.028	0.1038 1.0753	2.583 1.028	0.1037 1.0751	2.581 1.028	0.1037 1.0749	2.579 1.028	0.1036 1.0746	2.577 1.028	0.1035 1.0744
758.0	2.588 1.027	0.1040 1.0754	2.586 1.027	0.1039 1.0752	2.584 1.027	0.1038 1.0750	2.582 1.027	0.1037 1.0747	2.580 1.026	0.1036 1.0745
759.0	2.592 1.026	0.1041 1.0755	2.590 1.025	0.1040 1.0753	2.588 1.025	0.1039 1.0751	2.586 1.025	0.1039 1.0749	2.584 1.025	0.1038 1.0746
760.0	2.595 1.024	0.1043 1.0756	2.593 1.024	0.1042 1.0754	2.591 1.024	0.1041 1.0752	2.589 1.024	0.1040 1.0750	2.587 1.024	0.1039 1.0748

T (DEG C)	21.0		21.2		21.4		21.6		21.8	
	P (MM HG)	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B
730.0	2.480 1.064	0.0996 1.0713	2.478 1.064	0.0995 1.0711	2.476 1.064	0.0995 1.0709	2.474 1.064	0.0994 1.0707	2.472 1.064	0.0993 1.0705
731.0	2.483 1.063	0.0998 1.0714	2.482 1.062	0.0997 1.0712	2.480 1.062	0.0996 1.0710	2.478 1.062	0.0995 1.0709	2.476 1.062	0.0995 1.0706
732.0	2.487 1.061	0.0999 1.0715	2.485 1.061	0.0998 1.0713	2.483 1.061	0.0997 1.0711	2.481 1.061	0.0997 1.0709	2.479 1.061	0.0996 1.0707
733.0	2.491 1.060	0.1000 1.0716	2.489 1.060	0.1000 1.0714	2.487 1.060	0.0999 1.0712	2.485 1.059	0.0998 1.0710	2.483 1.059	0.0997 1.0708
734.0	2.494 1.058	0.1002 1.0717	2.492 1.058	0.1001 1.0715	2.490 1.058	0.1000 1.0713	2.488 1.058	0.1000 1.0711	2.486 1.058	0.0999 1.0710
735.0	2.498 1.057	0.1003 1.0719	2.496 1.057	0.1002 1.0717	2.494 1.057	0.1002 1.0715	2.492 1.057	0.1001 1.0713	2.490 1.057	0.1000 1.0711
736.0	2.501 1.056	0.1005 1.0720	2.499 1.056	0.1004 1.0718	2.497 1.055	0.1003 1.0716	2.495 1.055	0.1002 1.0714	2.493 1.055	0.1002 1.0712
737.0	2.505 1.054	0.1006 1.0721	2.503 1.054	0.1005 1.0719	2.501 1.054	0.1005 1.0717	2.499 1.054	0.1004 1.0715	2.497 1.054	0.1003 1.0713
738.0	2.508 1.053	0.1008 1.0722	2.506 1.053	0.1007 1.0720	2.504 1.053	0.1006 1.0718	2.502 1.053	0.1005 1.0716	2.500 1.052	0.1004 1.0714
739.0	2.512 1.051	0.1009 1.0723	2.510 1.051	0.1008 1.0721	2.508 1.051	0.1007 1.0719	2.506 1.051	0.1007 1.0717	2.504 1.051	0.1006 1.0715
740.0	2.515 1.050	0.1010 1.0724	2.513 1.050	0.1010 1.0722	2.511 1.050	0.1009 1.0720	2.509 1.050	0.1008 1.0718	2.508 1.050	0.1007 1.0716
741.0	2.519 1.049	0.1012 1.0725	2.517 1.049	0.1011 1.0723	2.515 1.049	0.1010 1.0721	2.513 1.048	0.1009 1.0719	2.511 1.048	0.1009 1.0717
742.0	2.522 1.047	0.1013 1.0726	2.520 1.047	0.1012 1.0724	2.518 1.047	0.1012 1.0722	2.517 1.047	0.1011 1.0720	2.515 1.047	0.1010 1.0718
743.0	2.526 1.046	0.1015 1.0727	2.524 1.046	0.1014 1.0725	2.522 1.046	0.1013 1.0723	2.520 1.046	0.1012 1.0721	2.518 1.046	0.1011 1.0719
744.0	2.529 1.045	0.1016 1.0728	2.527 1.045	0.1015 1.0726	2.525 1.044	0.1014 1.0724	2.524 1.044	0.1014 1.0722	2.522 1.044	0.1013 1.0720

T (DEG C)	21.0		21.2		21.4		21.6		21.8	
	P (MM HG)	C S	U CKTB	C S	U CKTB	C S	U CKTB	C S	U CKTB	C S
745.0	2.533 1.043	0.1017 1.0729	2.531 1.043	0.1017 1.0727	2.529 1.043	0.1016 1.0725	2.527 1.043	0.1015 1.0723	2.525 1.043	0.1014 1.0721
746.0	2.536 1.042	0.1019 1.0730	2.535 1.042	0.1018 1.0728	2.533 1.042	0.1017 1.0726	2.531 1.042	0.1017 1.0724	2.529 1.042	0.1016 1.0722
747.0	2.540 1.041	0.1020 1.0732	2.538 1.041	0.1020 1.0730	2.536 1.040	0.1019 1.0727	2.534 1.040	0.1018 1.0725	2.532 1.040	0.1017 1.0723
748.0	2.544 1.039	0.1022 1.0733	2.542 1.039	0.1021 1.0731	2.540 1.039	0.1020 1.0729	2.538 1.039	0.1019 1.0727	2.536 1.039	0.1019 1.0725
749.0	2.547 1.038	0.1023 1.0734	2.545 1.038	0.1022 1.0732	2.543 1.038	0.1022 1.0730	2.541 1.038	0.1021 1.0728	2.539 1.038	0.1020 1.0726
750.0	2.550 1.037	0.1024 1.0735	2.548 1.037	0.1023 1.0733	2.546 1.037	0.1023 1.0731	2.544 1.037	0.1022 1.0729	2.542 1.036	0.1021 1.0726
751.0	2.553 1.036	0.1026 1.0736	2.551 1.035	0.1025 1.0734	2.550 1.035	0.1024 1.0732	2.548 1.035	0.1023 1.0730	2.546 1.035	0.1023 1.0728
752.0	2.557 1.034	0.1027 1.0737	2.555 1.034	0.1026 1.0735	2.553 1.034	0.1026 1.0733	2.551 1.034	0.1025 1.0731	2.549 1.034	0.1024 1.0729
753.0	2.561 1.033	0.1029 1.0738	2.559 1.033	0.1028 1.0736	2.557 1.033	0.1027 1.0734	2.555 1.033	0.1026 1.0732	2.553 1.032	0.1025 1.0730
754.0	2.564 1.032	0.1030 1.0739	2.562 1.031	0.1029 1.0737	2.560 1.031	0.1028 1.0735	2.558 1.031	0.1028 1.0733	2.556 1.031	0.1027 1.0731
755.0	2.568 1.030	0.1031 1.0740	2.566 1.030	0.1031 1.0738	2.564 1.030	0.1030 1.0736	2.562 1.030	0.1029 1.0734	2.560 1.030	0.1028 1.0732
756.0	2.571 1.029	0.1033 1.0741	2.569 1.029	0.1032 1.0739	2.567 1.029	0.1031 1.0737	2.565 1.029	0.1030 1.0735	2.563 1.029	0.1030 1.0733
757.0	2.575 1.028	0.1034 1.0742	2.573 1.028	0.1033 1.0740	2.571 1.027	0.1033 1.0738	2.569 1.027	0.1032 1.0736	2.567 1.027	0.1031 1.0734
758.0	2.578 1.026	0.1036 1.0743	2.576 1.026	0.1035 1.0741	2.574 1.026	0.1034 1.0739	2.572 1.026	0.1033 1.0737	2.570 1.026	0.1032 1.0735
759.0	2.582 1.025	0.1037 1.0744	2.580 1.025	0.1036 1.0742	2.578 1.025	0.1035 1.0740	2.576 1.025	0.1035 1.0738	2.574 1.025	0.1034 1.0736
760.0	2.585 1.024	0.1038 1.0745	2.583 1.024	0.1038 1.0743	2.581 1.024	0.1037 1.0741	2.579 1.023	0.1036 1.0739	2.577 1.023	0.1035 1.0737

T (DEG C)	22.0		22.2		22.4		22.6		22.8	
	P (MM HG)	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B
730.0	2.470 1.063	0.0992 1.0703	2.469 1.063	0.0992 1.0701	2.467 1.063	0.0991 1.0700	2.465 1.063	0.0990 1.0697	2.463 1.063	0.0989 1.0696
731.0	2.474 1.062	0.0994 1.0704	2.472 1.062	0.0993 1.0702	2.470 1.062	0.0992 1.0700	2.468 1.062	0.0991 1.0699	2.466 1.062	0.0991 1.0697
732.0	2.477 1.061	0.0995 1.0705	2.476 1.061	0.0994 1.0703	2.474 1.060	0.0994 1.0702	2.472 1.060	0.0993 1.0700	2.470 1.060	0.0992 1.0698
733.0	2.481 1.059	0.0997 1.0706	2.479 1.059	0.0996 1.0705	2.477 1.059	0.0995 1.0703	2.475 1.059	0.0994 1.0701	2.473 1.059	0.0994 1.0699
734.0	2.484 1.058	0.0998 1.0708	2.483 1.058	0.0997 1.0706	2.481 1.058	0.0996 1.0704	2.479 1.058	0.0996 1.0702	2.477 1.057	0.0995 1.0700
735.0	2.488 1.056	0.0999 1.0709	2.486 1.056	0.0999 1.0707	2.484 1.056	0.0998 1.0705	2.482 1.056	0.0997 1.0703	2.480 1.056	0.0996 1.0701
736.0	2.492 1.055	0.1001 1.0710	2.490 1.055	0.1000 1.0708	2.488 1.055	0.0999 1.0706	2.486 1.055	0.0999 1.0704	2.484 1.055	0.0998 1.0702
737.0	2.495 1.054	0.1002 1.0711	2.493 1.054	0.1001 1.0709	2.491 1.054	0.1001 1.0707	2.489 1.053	0.1000 1.0705	2.487 1.053	0.0999 1.0703
738.0	2.499 1.052	0.1004 1.0712	2.497 1.052	0.1003 1.0710	2.495 1.052	0.1002 1.0708	2.493 1.052	0.1001 1.0706	2.491 1.052	0.1001 1.0704
739.0	2.502 1.051	0.1005 1.0713	2.500 1.051	0.1004 1.0711	2.498 1.051	0.1004 1.0709	2.496 1.051	0.1003 1.0707	2.494 1.051	0.1002 1.0705
740.0	2.506 1.050	0.1006 1.0714	2.504 1.049	0.1006 1.0712	2.502 1.049	0.1005 1.0710	2.500 1.049	0.1004 1.0708	2.498 1.049	0.1003 1.0706
741.0	2.509 1.048	0.1008 1.0715	2.507 1.048	0.1007 1.0713	2.505 1.048	0.1006 1.0711	2.503 1.048	0.1006 1.0709	2.501 1.048	0.1005 1.0707
742.0	2.513 1.047	0.1009 1.0716	2.511 1.047	0.1009 1.0714	2.509 1.047	0.1008 1.0712	2.507 1.047	0.1007 1.0710	2.505 1.046	0.1006 1.0708
743.0	2.516 1.045	0.1011 1.0717	2.514 1.045	0.1010 1.0715	2.512 1.045	0.1009 1.0713	2.510 1.045	0.1008 1.0711	2.508 1.045	0.1008 1.0709
744.0	2.520 1.044	0.1012 1.0718	2.518 1.044	0.1011 1.0716	2.516 1.044	0.1011 1.0714	2.514 1.044	0.1010 1.0712	2.512 1.044	0.1009 1.0710

T (DEG C)	22.0		22.2		22.4		22.6		22.8	
	P (MM HG)	C 8	U CKTB	C 8	U CKTB	C 8	U CKTB	C 8	U CKTB	C 8
745.0	2.523 1.043	0.1014 1.0719	2.521 1.043	0.1013 1.0717	2.519 1.043	0.1012 1.0715	2.517 1.042	0.1011 1.0713	2.515 1.042	0.1010 1.0711
746.0	2.527 1.041	0.1015 1.0720	2.525 1.041	0.1014 1.0718	2.523 1.041	0.1013 1.0716	2.521 1.041	0.1013 1.0714	2.519 1.041	0.1012 1.0712
747.0	2.530 1.040	0.1016 1.0721	2.528 1.040	0.1016 1.0719	2.526 1.040	0.1015 1.0717	2.524 1.040	0.1014 1.0715	2.522 1.040	0.1013 1.0713
748.0	2.534 1.039	0.1018 1.0722	2.532 1.039	0.1017 1.0720	2.530 1.039	0.1016 1.0718	2.528 1.038	0.1015 1.0717	2.526 1.038	0.1015 1.0715
749.0	2.537 1.037	0.1019 1.0724	2.535 1.037	0.1019 1.0722	2.533 1.037	0.1018 1.0720	2.531 1.037	0.1017 1.0718	2.529 1.037	0.1016 1.0716
750.0	2.540 1.036	0.1020 1.0724	2.538 1.036	0.1020 1.0722	2.536 1.036	0.1019 1.0720	2.534 1.036	0.1018 1.0718	2.532 1.036	0.1017 1.0716
751.0	2.544 1.035	0.1022 1.0726	2.542 1.035	0.1021 1.0723	2.540 1.035	0.1020 1.0721	2.538 1.035	0.1019 1.0719	2.536 1.035	0.1019 1.0717
752.0	2.547 1.034	0.1023 1.0727	2.545 1.034	0.1022 1.0725	2.543 1.033	0.1022 1.0723	2.541 1.033	0.1021 1.0721	2.539 1.033	0.1020 1.0719
753.0	2.551 1.032	0.1025 1.0728	2.549 1.032	0.1024 1.0726	2.547 1.032	0.1023 1.0724	2.545 1.032	0.1022 1.0722	2.543 1.032	0.1021 1.0720
754.0	2.554 1.031	0.1026 1.0729	2.552 1.031	0.1025 1.0727	2.550 1.031	0.1024 1.0725	2.548 1.031	0.1024 1.0723	2.546 1.031	0.1023 1.0721
755.0	2.558 1.030	0.1027 1.0730	2.556 1.030	0.1027 1.0728	2.554 1.030	0.1026 1.0726	2.552 1.029	0.1025 1.0724	2.550 1.029	0.1024 1.0722
756.0	2.561 1.028	0.1029 1.0731	2.559 1.028	0.1028 1.0729	2.557 1.028	0.1027 1.0727	2.555 1.028	0.1026 1.0725	2.553 1.028	0.1026 1.0723
757.0	2.565 1.027	0.1030 1.0732	2.563 1.027	0.1029 1.0730	2.561 1.027	0.1029 1.0728	2.559 1.027	0.1028 1.0726	2.557 1.027	0.1027 1.0724
758.0	2.568 1.026	0.1032 1.0733	2.566 1.026	0.1031 1.0731	2.564 1.026	0.1030 1.0729	2.562 1.026	0.1029 1.0727	2.560 1.026	0.1028 1.0725
759.0	2.572 1.024	0.1033 1.0734	2.570 1.024	0.1032 1.0732	2.568 1.024	0.1031 1.0730	2.566 1.024	0.1031 1.0728	2.564 1.024	0.1030 1.0726
760.0	2.575 1.023	0.1034 1.0735	2.573 1.023	0.1034 1.0733	2.571 1.023	0.1033 1.0731	2.569 1.023	0.1032 1.0729	2.567 1.023	0.1031 1.0727

T (DEG C)	23.0		23.2		23.4		23.6		23.8	
	P EMM HG)	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B
730.0	2.461 1.063	0.0989 1.0694	2.459 1.063	0.0988 1.0692	2.457 1.063	0.0987 1.0697	2.455 1.063	0.0986 1.0688	2.454 1.063	0.0986 1.0686
731.0	2.464 1.062	0.0990 1.0695	2.463 1.061	0.0989 1.0693	2.461 1.061	0.0988 1.0691	2.459 1.061	0.0988 1.0689	2.457 1.061	0.0987 1.0687
732.0	2.468 1.060	0.0991 1.0696	2.466 1.060	0.0991 1.0694	2.464 1.060	0.0990 1.0692	2.462 1.060	0.0989 1.0690	2.460 1.060	0.0988 1.0688
733.0	2.472 1.059	0.0993 1.0697	2.470 1.059	0.0992 1.0695	2.468 1.059	0.0991 1.0693	2.466 1.058	0.0991 1.0691	2.464 1.058	0.0990 1.0689
734.0	2.475 1.057	0.0994 1.0698	2.473 1.057	0.0993 1.0696	2.471 1.057	0.0993 1.0694	2.469 1.057	0.0992 1.0692	2.467 1.057	0.0991 1.0690
735.0	2.479 1.056	0.0996 1.0699	2.477 1.056	0.0995 1.0697	2.475 1.056	0.0994 1.0695	2.473 1.056	0.0993 1.0693	2.471 1.056	0.0992 1.0691
736.0	2.482 1.055	0.0997 1.0700	2.480 1.055	0.0996 1.0698	2.478 1.054	0.0995 1.0696	2.476 1.054	0.0995 1.0694	2.474 1.054	0.0994 1.0692
737.0	2.486 1.053	0.0998 1.0701	2.484 1.053	0.0998 1.0699	2.482 1.053	0.0997 1.0697	2.480 1.053	0.0996 1.0695	2.478 1.053	0.0995 1.0693
738.0	2.489 1.052	0.1000 1.0702	2.487 1.052	0.0999 1.0700	2.485 1.052	0.0998 1.0698	2.483 1.052	0.0998 1.0696	2.481 1.051	0.0997 1.0694
739.0	2.493 1.050	0.1001 1.0703	2.491 1.050	0.1000 1.0701	2.489 1.050	0.1000 1.0699	2.487 1.050	0.0999 1.0697	2.485 1.050	0.0998 1.0695
740.0	2.496 1.049	0.1003 1.0704	2.494 1.049	0.1002 1.0702	2.492 1.049	0.1001 1.0700	2.490 1.049	0.1000 1.0698	2.488 1.049	0.1000 1.0696
741.0	2.500 1.048	0.1004 1.0705	2.498 1.048	0.1003 1.0703	2.496 1.048	0.1003 1.0701	2.494 1.047	0.1002 1.0699	2.492 1.047	0.1001 1.0697
742.0	2.503 1.046	0.1005 1.0706	2.501 1.046	0.1005 1.0704	2.499 1.046	0.1004 1.0702	2.497 1.046	0.1003 1.0700	2.495 1.046	0.1002 1.0699
743.0	2.507 1.045	0.1007 1.0707	2.505 1.045	0.1006 1.0705	2.503 1.045	0.1005 1.0703	2.501 1.045	0.1005 1.0701	2.499 1.045	0.1004 1.0700
744.0	2.510 1.044	0.1008 1.0708	2.508 1.044	0.1007 1.0706	2.506 1.043	0.1007 1.0704	2.504 1.043	0.1006 1.0703	2.502 1.043	0.1005 1.0701

T (DEG C)	23.0		23.2		23.4		23.6		23.8	
	P (MM HG)	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B
745.0	2.514 1.042	0.1010 1.0709	2.512 1.042	0.1009 1.0707	2.510 1.042	0.1008 1.0705	2.508 1.042	0.1007 1.0704	2.506 1.042	0.1007 1.0702
746.0	2.517 1.041	0.1011 1.0710	2.515 1.041	0.1010 1.0708	2.513 1.041	0.1010 1.0707	2.511 1.041	0.1009 1.0705	2.509 1.041	0.1008 1.0703
747.0	2.521 1.040	0.1012 1.0712	2.519 1.040	0.1012 1.0710	2.517 1.039	0.1011 1.0708	2.515 1.039	0.1010 1.0706	2.513 1.039	0.1009 1.0704
748.0	2.524 1.038	0.1014 1.0713	2.522 1.038	0.1013 1.0711	2.520 1.038	0.1012 1.0709	2.518 1.038	0.1012 1.0707	2.516 1.038	0.1011 1.0705
749.0	2.528 1.037	0.1015 1.0714	2.526 1.037	0.1015 1.0712	2.524 1.037	0.1014 1.0710	2.522 1.037	0.1013 1.0708	2.520 1.037	0.1012 1.0706
750.0	2.530 1.036	0.1016 1.0714	2.528 1.036	0.1016 1.0712	2.527 1.036	0.1015 1.0711	2.525 1.036	0.1014 1.0709	2.523 1.035	0.1013 1.0707
751.0	2.534 1.035	0.1018 1.0716	2.532 1.034	0.1017 1.0714	2.530 1.034	0.1016 1.0712	2.528 1.034	0.1016 1.0710	2.526 1.034	0.1015 1.0708
752.0	2.537 1.033	0.1019 1.0717	2.535 1.033	0.1018 1.0715	2.534 1.033	0.1018 1.0713	2.532 1.033	0.1017 1.0711	2.530 1.033	0.1016 1.0709
753.0	2.541 1.032	0.1021 1.0718	2.539 1.032	0.1020 1.0716	2.537 1.032	0.1019 1.0714	2.535 1.032	0.1018 1.0712	2.533 1.031	0.1018 1.0710
754.0	2.544 1.031	0.1022 1.0719	2.542 1.030	0.1021 1.0717	2.541 1.030	0.1021 1.0715	2.539 1.030	0.1020 1.0713	2.537 1.030	0.1019 1.0711
755.0	2.548 1.029	0.1023 1.0720	2.546 1.029	0.1023 1.0718	2.544 1.029	0.1022 1.0716	2.542 1.029	0.1021 1.0714	2.540 1.029	0.1020 1.0712
756.0	2.551 1.028	0.1025 1.0721	2.549 1.028	0.1024 1.0719	2.548 1.028	0.1023 1.0717	2.546 1.028	0.1023 1.0715	2.544 1.028	0.1022 1.0713
757.0	2.555 1.027	0.1026 1.0722	2.553 1.027	0.1025 1.0720	2.551 1.026	0.1025 1.0718	2.549 1.026	0.1024 1.0716	2.547 1.026	0.1023 1.0714
758.0	2.558 1.025	0.1028 1.0723	2.556 1.025	0.1027 1.0721	2.555 1.025	0.1026 1.0719	2.553 1.025	0.1025 1.0717	2.551 1.025	0.1025 1.0715
759.0	2.562 1.024	0.1029 1.0724	2.560 1.024	0.1028 1.0722	2.558 1.024	0.1028 1.0720	2.556 1.024	0.1027 1.0718	2.554 1.024	0.1026 1.0716
760.0	2.565 1.023	0.1031 1.0725	2.563 1.023	0.1030 1.0723	2.562 1.023	0.1029 1.0721	2.560 1.022	0.1028 1.0719	2.558 1.022	0.1027 1.0717

T (DEG C)	24.0		24.2		24.4		24.6		24.8	
	P (MM HG)	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B
730.0	2.452 1.063	0.0985 1.0684	2.450 1.0682	0.0984 1.0682	2.448 1.0682	0.0983 1.0682	2.446 1.062	0.0983 1.0679	2.444 1.062	0.0982 1.0677
731.0	2.455 1.061	0.0986 1.0685	2.453 1.0681	0.0985 1.0683	2.451 1.0681	0.0985 1.0681	2.450 1.061	0.0984 1.0680	2.448 1.061	0.0983 1.0678
732.0	2.459 1.060	0.0988 1.0686	2.457 1.0680	0.0987 1.0684	2.455 1.0680	0.0986 1.0682	2.453 1.059	0.0985 1.0681	2.451 1.059	0.0985 1.0679
733.0	2.462 1.058	0.0989 1.0687	2.460 1.058	0.0988 1.0685	2.458 1.058	0.0988 1.0684	2.457 1.058	0.0987 1.0682	2.455 1.058	0.0986 1.0680
734.0	2.466 1.057	0.0990 1.0688	2.464 1.057	0.0990 1.0686	2.462 1.057	0.0989 1.0685	2.460 1.057	0.0988 1.0683	2.458 1.057	0.0987 1.0681
735.0	2.469 1.056	0.0992 1.0689	2.467 1.055	0.0991 1.0687	2.465 1.055	0.0990 1.0686	2.463 1.055	0.0990 1.0684	2.462 1.055	0.0989 1.0682
736.0	2.473 1.054	0.0993 1.0690	2.471 1.054	0.0992 1.0688	2.469 1.054	0.0992 1.0687	2.467 1.054	0.0991 1.0685	2.465 1.054	0.0990 1.0683
737.0	2.476 1.053	0.0995 1.0691	2.474 1.053	0.0994 1.0690	2.472 1.053	0.0993 1.0688	2.470 1.052	0.0992 1.0686	2.469 1.052	0.0992 1.0684
738.0	2.480 1.051	0.0996 1.0692	2.478 1.051	0.0995 1.0691	2.476 1.051	0.0995 1.0689	2.474 1.051	0.0994 1.0687	2.472 1.051	0.0993 1.0685
739.0	2.483 1.050	0.0997 1.0693	2.481 1.050	0.0997 1.0692	2.479 1.050	0.0996 1.0690	2.477 1.050	0.0995 1.0688	2.476 1.050	0.0994 1.0686
740.0	2.487 1.049	0.0999 1.0695	2.485 1.049	0.0998 1.0693	2.483 1.048	0.0997 1.0691	2.481 1.048	0.0997 1.0689	2.479 1.048	0.0996 1.0687
741.0	2.490 1.047	0.1000 1.0696	2.488 1.047	0.0999 1.0694	2.486 1.047	0.0999 1.0692	2.484 1.047	0.0998 1.0690	2.483 1.047	0.0997 1.0688
742.0	2.494 1.046	0.1002 1.0697	2.492 1.046	0.1001 1.0695	2.490 1.046	0.1000 1.0693	2.488 1.046	0.0999 1.0691	2.486 1.045	0.0999 1.0689
743.0	2.497 1.045	0.1003 1.0698	2.495 1.044	0.1002 1.0696	2.493 1.044	0.1002 1.0694	2.491 1.044	0.1001 1.0692	2.489 1.044	0.1000 1.0690
744.0	2.501 1.043	0.1004 1.0699	2.499 1.043	0.1004 1.0697	2.497 1.043	0.1003 1.0695	2.495 1.043	0.1002 1.0693	2.493 1.043	0.1001 1.0691

T (DEG C)	24.0		24.2		24.4		24.6		24.8	
	P (MM HG)	C 8	U CKTB	C 8	U CKTB	C 8	U CKTB	C 8	U CKTB	C 8
745.0	2.504 1.042	0.1006 1.0700	2.502 1.042	0.1005 1.0698	2.500 1.042	0.1004 1.0696	2.498 1.042	0.1004 1.0694	2.496 1.041	0.1003 1.0692
746.0	2.507 1.040	0.1007 1.0701	2.506 1.040	0.1006 1.0699	2.504 1.040	0.1006 1.0697	2.502 1.040	0.1005 1.0695	2.500 1.040	0.1004 1.0693
747.0	2.511 1.039	0.1009 1.0702	2.509 1.039	0.1008 1.0700	2.507 1.039	0.1007 1.0698	2.505 1.039	0.1006 1.0696	2.503 1.039	0.1006 1.0694
748.0	2.514 1.038	0.1010 1.0703	2.513 1.038	0.1009 1.0701	2.511 1.038	0.1008 1.0699	2.509 1.037	0.1008 1.0697	2.507 1.037	0.1007 1.0695
749.0	2.518 1.036	0.1011 1.0704	2.516 1.036	0.1011 1.0702	2.514 1.036	0.1010 1.0700	2.512 1.036	0.1009 1.0698	2.510 1.036	0.1008 1.0696
750.0	2.521 1.035	0.1013 1.0705	2.519 1.035	0.1012 1.0703	2.517 1.035	0.1011 1.0701	2.515 1.035	0.1010 1.0699	2.513 1.035	0.1009 1.0697
751.0	2.524 1.034	0.1014 1.0706	2.522 1.034	0.1013 1.0704	2.520 1.034	0.1012 1.0702	2.519 1.034	0.1012 1.0700	2.517 1.034	0.1011 1.0698
752.0	2.528 1.033	0.1015 1.0707	2.526 1.033	0.1015 1.0705	2.524 1.033	0.1014 1.0703	2.522 1.032	0.1013 1.0701	2.520 1.032	0.1012 1.0699
753.0	2.531 1.031	0.1017 1.0708	2.529 1.031	0.1016 1.0706	2.527 1.031	0.1015 1.0704	2.525 1.031	0.1014 1.0702	2.524 1.031	0.1014 1.0700
754.0	2.535 1.030	0.1018 1.0709	2.533 1.030	0.1017 1.0707	2.531 1.030	0.1017 1.0705	2.529 1.030	0.1016 1.0703	2.527 1.030	0.1015 1.0701
755.0	2.538 1.029	0.1020 1.0710	2.536 1.029	0.1019 1.0708	2.534 1.029	0.1018 1.0706	2.532 1.028	0.1017 1.0704	2.531 1.028	0.1016 1.0702
756.0	2.542 1.027	0.1021 1.0711	2.540 1.027	0.1020 1.0709	2.538 1.027	0.1019 1.0707	2.536 1.027	0.1019 1.0705	2.534 1.027	0.1018 1.0703
757.0	2.545 1.026	0.1022 1.0712	2.543 1.026	0.1022 1.0710	2.541 1.026	0.1021 1.0708	2.539 1.026	0.1020 1.0706	2.537 1.026	0.1019 1.0704
758.0	2.549 1.025	0.1024 1.0713	2.547 1.025	0.1023 1.0711	2.545 1.025	0.1022 1.0709	2.543 1.025	0.1021 1.0707	2.541 1.024	0.1021 1.0705
759.0	2.552 1.024	0.1025 1.0714	2.550 1.023	0.1024 1.0712	2.548 1.023	0.1024 1.0710	2.546 1.023	0.1023 1.0708	2.544 1.023	0.1022 1.0706
760.0	2.556 1.022	0.1027 1.0715	2.554 1.022	0.1026 1.0713	2.552 1.022	0.1025 1.0711	2.550 1.022	0.1024 1.0709	2.548 1.022	0.1023 1.0707

T (DEG C)	25.0		25.2		25.4		25.6		25.8	
P (MM HG)	C B	U CKTB								
730.0	2.442 1.062	0.0981 1.0675	2.441 1.062	0.0980 1.0673	2.439 1.062	0.0980 1.0671	2.437 1.062	0.0979 1.0669	2.435 1.062	0.0978 1.0668
731.0	2.446 1.061	0.0982 1.0676	2.444 1.061	0.0982 1.0674	2.442 1.061	0.0981 1.0672	2.440 1.060	0.0980 1.0670	2.439 1.060	0.0980 1.0669
732.0	2.449 1.059	0.0984 1.0677	2.448 1.059	0.0983 1.0675	2.446 1.059	0.0982 1.0673	2.444 1.059	0.0982 1.0671	2.442 1.059	0.0981 1.0670
733.0	2.453 1.058	0.0985 1.0678	2.451 1.058	0.0985 1.0676	2.449 1.058	0.0984 1.0674	2.447 1.058	0.0983 1.0672	2.445 1.057	0.0982 1.0671
734.0	2.456 1.056	0.0987 1.0679	2.454 1.056	0.0986 1.0677	2.453 1.056	0.0985 1.0675	2.451 1.056	0.0984 1.0673	2.449 1.056	0.0984 1.0672
735.0	2.460 1.055	0.0988 1.0680	2.458 1.055	0.0987 1.0678	2.456 1.055	0.0987 1.0676	2.454 1.055	0.0986 1.0674	2.452 1.055	0.0985 1.0673
736.0	2.463 1.054	0.0989 1.0681	2.461 1.054	0.0989 1.0679	2.460 1.053	0.0988 1.0677	2.458 1.053	0.0987 1.0675	2.456 1.053	0.0986 1.0674
737.0	2.467 1.052	0.0991 1.0682	2.465 1.052	0.0990 1.0680	2.463 1.052	0.0989 1.0678	2.461 1.052	0.0989 1.0676	2.459 1.052	0.0988 1.0675
738.0	2.470 1.051	0.0992 1.0683	2.468 1.051	0.0992 1.0681	2.466 1.051	0.0991 1.0679	2.465 1.051	0.0990 1.0677	2.463 1.051	0.0989 1.0676
739.0	2.474 1.050	0.0994 1.0684	2.472 1.049	0.0993 1.0682	2.470 1.049	0.0992 1.0680	2.468 1.049	0.0991 1.0678	2.466 1.049	0.0991 1.0677
740.0	2.477 1.048	0.0995 1.0685	2.475 1.048	0.0994 1.0683	2.473 1.048	0.0994 1.0681	2.472 1.048	0.0993 1.0679	2.470 1.048	0.0992 1.0678
741.0	2.481 1.047	0.0996 1.0686	2.479 1.047	0.0996 1.0684	2.477 1.047	0.0995 1.0682	2.475 1.046	0.0994 1.0680	2.473 1.046	0.0993 1.0679
742.0	2.484 1.045	0.0998 1.0687	2.482 1.045	0.0997 1.0685	2.480 1.045	0.0996 1.0683	2.478 1.045	0.0996 1.0682	2.477 1.045	0.0995 1.0680
743.0	2.488 1.044	0.0999 1.0688	2.486 1.044	0.0998 1.0686	2.484 1.044	0.0998 1.0684	2.482 1.044	0.0997 1.0683	2.480 1.044	0.0996 1.0681
744.0	2.491 1.043	0.1001 1.0689	2.489 1.043	0.1000 1.0687	2.487 1.042	0.0999 1.0685	2.485 1.042	0.0998 1.0684	2.484 1.042	0.0998 1.0682

T (DEG C)	25.0		25.2		25.4		25.6		25.8	
	P (MM HG)	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B
745.0	2.495 1.041	0.1002 1.0697	2.493 1.041	0.1001 1.0688	2.491 1.041	0.1001 1.0686	2.489 1.041	0.1000 1.0685	2.487 1.041	0.0999 1.0683
746.0	2.498 1.040	0.1003 1.0691	2.496 1.040	0.1003 1.0689	2.494 1.040	0.1002 1.0687	2.492 1.040	0.1001 1.0686	2.490 1.040	0.1000 1.0684
747.0	2.501 1.039	0.1005 1.0692	2.500 1.039	0.1004 1.0690	2.498 1.039	0.1003 1.0688	2.496 1.038	0.1003 1.0687	2.494 1.038	0.1002 1.0685
748.0	2.505 1.037	0.1006 1.0693	2.503 1.037	0.1005 1.0691	2.501 1.037	0.1005 1.0689	2.499 1.037	0.1004 1.0688	2.497 1.037	0.1003 1.0686
749.0	2.508 1.036	0.1008 1.0694	2.507 1.036	0.1007 1.0692	2.505 1.036	0.1006 1.0690	2.503 1.036	0.1005 1.0689	2.501 1.036	0.1005 1.0687
750.0	2.511 1.035	0.1009 1.0695	2.509 1.035	0.1008 1.0693	2.507 1.035	0.1007 1.0691	2.506 1.035	0.1006 1.0689	2.504 1.034	0.1006 1.0688
751.0	2.515 1.034	0.1010 1.0696	2.513 1.033	0.1009 1.0694	2.511 1.033	0.1009 1.0692	2.509 1.033	0.1008 1.0690	2.507 1.033	0.1007 1.0689
752.0	2.518 1.032	0.1012 1.0697	2.516 1.032	0.1011 1.0695	2.514 1.032	0.1010 1.0693	2.512 1.032	0.1009 1.0691	2.511 1.032	0.1008 1.0690
753.0	2.522 1.031	0.1013 1.0698	2.520 1.031	0.1012 1.0696	2.518 1.031	0.1011 1.0694	2.516 1.031	0.1011 1.0692	2.514 1.031	0.1010 1.0691
754.0	2.525 1.030	0.1014 1.0699	2.523 1.029	0.1014 1.0697	2.521 1.029	0.1013 1.0695	2.519 1.029	0.1012 1.0693	2.517 1.029	0.1011 1.0692
755.0	2.529 1.028	0.1016 1.0700	2.527 1.028	0.1015 1.0698	2.525 1.028	0.1014 1.0696	2.523 1.028	0.1013 1.0694	2.521 1.028	0.1013 1.0693
756.0	2.532 1.027	0.1017 1.0701	2.530 1.027	0.1016 1.0699	2.528 1.027	0.1016 1.0697	2.526 1.027	0.1015 1.0695	2.524 1.027	0.1014 1.0694
757.0	2.536 1.026	0.1018 1.0702	2.534 1.026	0.1018 1.0700	2.532 1.025	0.1017 1.0698	2.530 1.025	0.1016 1.0696	2.528 1.025	0.1015 1.0695
758.0	2.539 1.024	0.1020 1.0703	2.537 1.024	0.1019 1.0701	2.535 1.024	0.1018 1.0699	2.533 1.024	0.1018 1.0698	2.531 1.024	0.1017 1.0696
759.0	2.542 1.023	0.1021 1.0704	2.541 1.023	0.1021 1.0702	2.539 1.023	0.1020 1.0700	2.537 1.023	0.1019 1.0699	2.535 1.023	0.1018 1.0697
760.0	2.546 1.022	0.1023 1.0705	2.544 1.022	0.1022 1.0703	2.542 1.022	0.1021 1.0701	2.540 1.021	0.1020 1.0700	2.538 1.021	0.1020 1.0698

T (DEG C)	26.0		26.2		26.4		26.6		26.8	
P (MM HG)	C S	U CKTB								
730.0	2.433 1.062	0.0977 1.0666	2.431 1.061	0.0977 1.0664	2.430 1.061	0.0976 1.0662	2.428 1.061	0.0975 1.0660	2.426 1.061	0.0974 1.0659
731.0	2.437 1.060	0.0979 1.0667	2.435 1.060	0.0978 1.0665	2.433 1.060	0.0977 1.0663	2.431 1.060	0.0977 1.0661	2.429 1.060	0.0976 1.0660
732.0	2.440 1.059	0.0980 1.0668	2.438 1.059	0.0979 1.0666	2.436 1.059	0.0979 1.0664	2.435 1.058	0.0978 1.0662	2.433 1.058	0.0977 1.0661
733.0	2.444 1.057	0.0982 1.0660	2.442 1.057	0.0981 1.0667	2.440 1.057	0.0980 1.0665	2.438 1.057	0.0979 1.0663	2.436 1.057	0.0979 1.0662
734.0	2.447 1.056	0.0983 1.0670	2.445 1.056	0.0982 1.0668	2.443 1.056	0.0981 1.0666	2.442 1.056	0.0981 1.0664	2.440 1.056	0.0980 1.0663
735.0	2.451 1.055	0.0984 1.0671	2.449 1.054	0.0984 1.0669	2.447 1.054	0.0983 1.0667	2.445 1.054	0.0982 1.0665	2.443 1.054	0.0981 1.0664
736.0	2.454 1.053	0.0986 1.0672	2.452 1.053	0.0985 1.0670	2.450 1.053	0.0984 1.0668	2.448 1.053	0.0984 1.0666	2.447 1.053	0.0983 1.0665
737.0	2.457 1.052	0.0987 1.0673	2.456 1.052	0.0986 1.0671	2.454 1.052	0.0986 1.0669	2.452 1.052	0.0985 1.0667	2.450 1.051	0.0984 1.0666
738.0	2.461 1.050	0.0989 1.0674	2.459 1.050	0.0988 1.0672	2.457 1.050	0.0987 1.0670	2.455 1.050	0.0986 1.0668	2.454 1.050	0.0986 1.0667
739.0	2.464 1.049	0.0990 1.0675	2.463 1.049	0.0989 1.0673	2.461 1.049	0.0988 1.0671	2.459 1.049	0.0988 1.0669	2.457 1.049	0.0987 1.0668
740.0	2.468 1.048	0.0991 1.0676	2.466 1.048	0.0991 1.0674	2.464 1.047	0.0990 1.0672	2.462 1.047	0.0989 1.0670	2.460 1.047	0.0988 1.0668
741.0	2.471 1.046	0.0993 1.0677	2.469 1.046	0.0992 1.0675	2.468 1.046	0.0991 1.0673	2.466 1.046	0.0990 1.0671	2.464 1.046	0.0990 1.0669
742.0	2.475 1.045	0.0994 1.0678	2.473 1.045	0.0993 1.0676	2.471 1.045	0.0993 1.0674	2.469 1.045	0.0992 1.0672	2.467 1.045	0.0991 1.0670
743.0	2.478 1.044	0.0995 1.0679	2.476 1.043	0.0995 1.0677	2.474 1.043	0.0994 1.0675	2.473 1.043	0.0993 1.0673	2.471 1.043	0.0992 1.0671
744.0	2.482 1.042	0.0997 1.0680	2.480 1.042	0.0996 1.0678	2.478 1.042	0.0995 1.0676	2.476 1.042	0.0995 1.0674	2.474 1.042	0.0994 1.0672

T (DEG C)	26.0		26.2		26.4		26.6		26.8	
P (MM HG)	C S	U CKTB								
745.0	2.485 1.041	0.0998 1.0681	2.483 1.041	0.0997 1.0679	2.481 1.041	0.0997 1.0677	2.480 1.041	0.0996 1.0675	2.478 1.040	0.0995 1.0673
746.0	2.489 1.040	0.1000 1.0682	2.487 1.039	0.0999 1.0680	2.485 1.039	0.0998 1.0678	2.483 1.039	0.0997 1.0676	2.481 1.039	0.0997 1.0674
747.0	2.492 1.038	0.1001 1.0683	2.490 1.038	0.1000 1.0681	2.488 1.038	0.1000 1.0679	2.486 1.038	0.0999 1.0677	2.485 1.038	0.0998 1.0675
748.0	2.496 1.037	0.1002 1.0684	2.494 1.037	0.1002 1.0682	2.492 1.037	0.1001 1.0680	2.490 1.037	0.1000 1.0678	2.488 1.036	0.0999 1.0676
749.0	2.499 1.035	0.1004 1.0685	2.497 1.035	0.1003 1.0683	2.495 1.035	0.1002 1.0681	2.493 1.035	0.1002 1.0679	2.491 1.035	0.1001 1.0677
750.0	2.502 1.034	0.1005 1.0686	2.500 1.034	0.1004 1.0684	2.498 1.034	0.1003 1.0682	2.496 1.034	0.1003 1.0680	2.494 1.034	0.1002 1.0678
751.0	2.505 1.033	0.1006 1.0687	2.503 1.033	0.1006 1.0685	2.501 1.033	0.1005 1.0683	2.500 1.033	0.1004 1.0681	2.498 1.033	0.1003 1.0679
752.0	2.509 1.032	0.1008 1.0688	2.507 1.032	0.1007 1.0686	2.505 1.032	0.1006 1.0684	2.503 1.031	0.1005 1.0682	2.501 1.031	0.1005 1.0680
753.0	2.512 1.030	0.1009 1.0689	2.510 1.030	0.1008 1.0687	2.508 1.030	0.1008 1.0685	2.506 1.030	0.1007 1.0683	2.505 1.030	0.1006 1.0681
754.0	2.516 1.029	0.1010 1.0690	2.514 1.029	0.1010 1.0688	2.512 1.029	0.1009 1.0686	2.510 1.029	0.1008 1.0684	2.508 1.029	0.1007 1.0682
755.0	2.519 1.028	0.1012 1.0691	2.517 1.028	0.1011 1.0689	2.515 1.028	0.1010 1.0687	2.513 1.028	0.1010 1.0685	2.511 1.027	0.1009 1.0683
756.0	2.523 1.026	0.1013 1.0692	2.521 1.026	0.1013 1.0690	2.519 1.026	0.1012 1.0688	2.517 1.026	0.1011 1.0686	2.515 1.026	0.1010 1.0684
757.0	2.526 1.025	0.1015 1.0693	2.524 1.025	0.1014 1.0691	2.522 1.025	0.1013 1.0689	2.520 1.025	0.1012 1.0687	2.518 1.025	0.1012 1.0685
758.0	2.529 1.024	0.1016 1.0694	2.528 1.024	0.1015 1.0692	2.526 1.024	0.1015 1.0690	2.524 1.024	0.1014 1.0688	2.522 1.023	0.1013 1.0686
759.0	2.533 1.023	0.1017 1.0695	2.531 1.022	0.1017 1.0693	2.529 1.022	0.1016 1.0691	2.527 1.022	0.1015 1.0689	2.525 1.022	0.1014 1.0687
760.0	2.536 1.021	0.1019 1.0696	2.534 1.021	0.1018 1.0694	2.533 1.021	0.1017 1.0692	2.531 1.021	0.1017 1.0690	2.529 1.021	0.1016 1.0688

T (DEG C)	27.0		27.2		27.4		27.6		27.8	
	P (MM HG)	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B
730.0	2.424 1.061	0.0974 1.0657	2.422 1.061	0.0973 1.0655	2.421 1.061	0.0972 1.0653	2.419 1.061	0.0972 1.0651	2.417 1.061	0.0971 1.0650
731.0	2.428 1.060	0.0975 1.0658	2.426 1.060	0.0974 1.0656	2.424 1.060	0.0974 1.0654	2.422 1.059	0.0973 1.0652	2.420 1.059	0.0972 1.0651
732.0	2.431 1.058	0.0977 1.0659	2.429 1.058	0.0976 1.0657	2.427 1.058	0.0975 1.0655	2.426 1.058	0.0974 1.0653	2.424 1.058	0.0974 1.0652
733.0	2.434 1.057	0.0978 1.0660	2.433 1.057	0.0977 1.0658	2.431 1.057	0.0976 1.0656	2.429 1.057	0.0976 1.0654	2.427 1.057	0.0975 1.0653
734.0	2.438 1.055	0.0979 1.0661	2.436 1.055	0.0979 1.0659	2.434 1.055	0.0978 1.0657	2.432 1.055	0.0977 1.0655	2.431 1.055	0.0976 1.0654
735.0	2.441 1.054	0.0981 1.0662	2.440 1.054	0.0980 1.0660	2.438 1.054	0.0979 1.0658	2.436 1.054	0.0978 1.0656	2.434 1.054	0.0978 1.0655
736.0	2.445 1.053	0.0982 1.0663	2.443 1.053	0.0981 1.0661	2.441 1.053	0.0981 1.0659	2.439 1.052	0.0980 1.0657	2.438 1.052	0.0979 1.0656
737.0	2.448 1.051	0.0983 1.0664	2.446 1.051	0.0983 1.0662	2.445 1.051	0.0982 1.0660	2.443 1.051	0.0981 1.0658	2.441 1.051	0.0981 1.0657
738.0	2.452 1.050	0.0985 1.0665	2.450 1.050	0.0984 1.0663	2.448 1.050	0.0983 1.0661	2.446 1.050	0.0983 1.0659	2.444 1.050	0.0982 1.0658
739.0	2.455 1.049	0.0986 1.0666	2.453 1.048	0.0985 1.0664	2.451 1.048	0.0985 1.0662	2.450 1.048	0.0984 1.0660	2.448 1.048	0.0983 1.0659
740.0	2.459 1.047	0.0988 1.0667	2.457 1.047	0.0987 1.0665	2.455 1.047	0.0986 1.0663	2.453 1.047	0.0985 1.0661	2.451 1.047	0.0985 1.0660
741.0	2.462 1.046	0.0989 1.0668	2.460 1.046	0.0988 1.0666	2.458 1.046	0.0987 1.0664	2.457 1.046	0.0987 1.0662	2.455 1.045	0.0986 1.0661
742.0	2.465 1.044	0.0990 1.0669	2.464 1.044	0.0990 1.0667	2.462 1.044	0.0989 1.0665	2.460 1.044	0.0988 1.0663	2.458 1.044	0.0987 1.0661
743.0	2.469 1.043	0.0992 1.0670	2.467 1.043	0.0991 1.0669	2.465 1.043	0.0990 1.0668	2.463 1.043	0.0990 1.0664	2.462 1.043	0.0989 1.0662
744.0	2.472 1.042	0.0993 1.0671	2.471 1.042	0.0992 1.0669	2.469 1.042	0.0992 1.0667	2.467 1.041	0.0991 1.0665	2.465 1.041	0.0990 1.0663

T (DEG C)	27.0		27.2		27.4		27.6		27.8	
	P (MM HG)	C S	U CKTB	C S	U CKTB	C S	U CKTB	C S	U CKTB	C S
745.0	2.476 1.040	0.0995 1.0672	2.474 1.040	0.0994 1.0670	2.472 1.040	0.0993 1.0668	2.470 1.040	0.0992 1.0666	2.468 1.040	0.0992 1.0664
746.0	2.479 1.039	0.0996 1.0673	2.477 1.039	0.0995 1.0671	2.476 1.039	0.0994 1.0669	2.474 1.039	0.0994 1.0667	2.472 1.039	0.0993 1.0665
747.0	2.483 1.038	0.0997 1.0674	2.481 1.038	0.0997 1.0672	2.479 1.038	0.0996 1.0670	2.477 1.037	0.0995 1.0668	2.475 1.037	0.0994 1.0666
748.0	2.486 1.036	0.0999 1.0675	2.484 1.036	0.0998 1.0673	2.482 1.036	0.0997 1.0671	2.481 1.036	0.0996 1.0669	2.479 1.036	0.0996 1.0667
749.0	2.490 1.035	0.1000 1.0676	2.488 1.035	0.0999 1.0674	2.486 1.035	0.0999 1.0672	2.484 1.035	0.0998 1.0670	2.482 1.035	0.0997 1.0668
750.0	2.492 1.034	0.1001 1.0676	2.491 1.034	0.1000 1.0675	2.489 1.034	0.1000 1.0673	2.487 1.034	0.0999 1.0671	2.485 1.034	0.0998 1.0669
751.0	2.496 1.033	0.1003 1.0677	2.494 1.033	0.1002 1.0676	2.492 1.032	0.1001 1.0674	2.490 1.032	0.1000 1.0672	2.488 1.032	0.1000 1.0670
752.0	2.499 1.031	0.1004 1.0678	2.497 1.031	0.1003 1.0677	2.496 1.031	0.1002 1.0675	2.494 1.031	0.1002 1.0673	2.492 1.031	0.1001 1.0671
753.0	2.503 1.030	0.1005 1.0679	2.501 1.030	0.1005 1.0678	2.499 1.030	0.1004 1.0676	2.497 1.030	0.1003 1.0674	2.495 1.030	0.1002 1.0672
754.0	2.506 1.029	0.1007 1.0680	2.504 1.029	0.1006 1.0679	2.502 1.028	0.1005 1.0677	2.501 1.028	0.1004 1.0675	2.499 1.028	0.1004 1.0673
755.0	2.510 1.027	0.1008 1.0681	2.508 1.027	0.1007 1.0680	2.506 1.027	0.1007 1.0678	2.504 1.027	0.1006 1.0676	2.502 1.027	0.1005 1.0674
756.0	2.513 1.026	0.1009 1.0682	2.511 1.026	0.1009 1.0681	2.509 1.026	0.1008 1.0679	2.507 1.026	0.1007 1.0677	2.506 1.026	0.1006 1.0675
757.0	2.516 1.025	0.1011 1.0683	2.515 1.025	0.1010 1.0682	2.513 1.025	0.1009 1.0680	2.511 1.024	0.1009 1.0678	2.509 1.024	0.1008 1.0676
758.0	2.520 1.023	0.1012 1.0684	2.518 1.023	0.1011 1.0682	2.516 1.023	0.1011 1.0681	2.514 1.023	0.1010 1.0679	2.512 1.023	0.1009 1.0677
759.0	2.523 1.022	0.1014 1.0685	2.521 1.022	0.1013 1.0683	2.520 1.022	0.1012 1.0682	2.518 1.022	0.1011 1.0680	2.516 1.022	0.1011 1.0678
760.0	2.527 1.021	0.1015 1.0686	2.525 1.021	0.1014 1.0684	2.523 1.021	0.1013 1.0683	2.521 1.021	0.1013 1.0681	2.519 1.020	0.1012 1.0679

T (DEG C)	28.0		28.2		28.4		28.6		28.8	
P (MM HG)	C B	U CKTB								
730.0	2.415 1.061	0.0970 1.0648	2.413 1.061	0.0969 1.0646	2.412 1.060	0.0969 1.0645	2.410 1.060	0.0968 1.0643	2.408 1.060	0.0967 1.0641
731.0	2.419 1.059	0.0972 1.0640	2.417 1.059	0.0971 1.0647	2.415 1.059	0.0970 1.0645	2.413 1.059	0.0969 1.0644	2.411 1.059	0.0969 1.0642
732.0	2.422 1.058	0.0973 1.0650	2.420 1.058	0.0972 1.0648	2.418 1.058	0.0971 1.0646	2.417 1.058	0.0971 1.0645	2.415 1.057	0.0970 1.0643
733.0	2.425 1.056	0.0974 1.0651	2.424 1.056	0.0974 1.0649	2.422 1.056	0.0973 1.0647	2.420 1.056	0.0972 1.0646	2.418 1.056	0.0971 1.0644
734.0	2.429 1.055	0.0976 1.0652	2.427 1.055	0.0975 1.0650	2.425 1.055	0.0974 1.0648	2.423 1.055	0.0973 1.0647	2.422 1.055	0.0973 1.0645
735.0	2.432 1.054	0.0977 1.0653	2.430 1.054	0.0976 1.0651	2.429 1.053	0.0976 1.0649	2.427 1.053	0.0975 1.0648	2.425 1.053	0.0974 1.0646
736.0	2.436 1.052	0.0978 1.0654	2.434 1.052	0.0978 1.0652	2.432 1.052	0.0977 1.0650	2.430 1.052	0.0976 1.0649	2.428 1.052	0.0975 1.0647
737.0	2.439 1.051	0.0980 1.0655	2.437 1.051	0.0979 1.0653	2.436 1.051	0.0978 1.0651	2.434 1.051	0.0978 1.0650	2.432 1.051	0.0977 1.0648
738.0	2.443 1.049	0.0981 1.0656	2.441 1.049	0.0980 1.0654	2.439 1.049	0.0980 1.0652	2.437 1.049	0.0979 1.0651	2.435 1.049	0.0978 1.0649
739.0	2.446 1.048	0.0983 1.0657	2.444 1.048	0.0982 1.0655	2.442 1.048	0.0981 1.0653	2.441 1.048	0.0980 1.0652	2.439 1.048	0.0980 1.0650
740.0	2.449 1.047	0.0984 1.0658	2.448 1.047	0.0983 1.0656	2.446 1.047	0.0982 1.0654	2.444 1.046	0.0982 1.0652	2.442 1.046	0.0981 1.0651
741.0	2.453 1.045	0.0985 1.0659	2.451 1.045	0.0985 1.0657	2.449 1.045	0.0984 1.0655	2.447 1.045	0.0983 1.0653	2.446 1.045	0.0982 1.0652
742.0	2.456 1.044	0.0987 1.0660	2.454 1.044	0.0986 1.0658	2.453 1.044	0.0985 1.0656	2.451 1.044	0.0984 1.0654	2.449 1.044	0.0984 1.0653
743.0	2.460 1.043	0.0988 1.0661	2.458 1.043	0.0987 1.0659	2.456 1.042	0.0987 1.0657	2.454 1.042	0.0986 1.0655	2.452 1.042	0.0985 1.0654
744.0	2.463 1.041	0.0989 1.0662	2.461 1.041	0.0989 1.0660	2.459 1.041	0.0988 1.0658	2.458 1.041	0.0987 1.0656	2.456 1.041	0.0986 1.0655

T (DEG C)	28.0		28.2		28.4		28.6		28.8	
P (MM HG)	C B	U CKTB								
745.0	2.467 1.040	0.0991 1.0663	2.465 1.040	0.0990 1.0661	2.463 1.040	0.0989 1.0659	2.461 1.040	0.0989 1.0657	2.459 1.040	0.0988 1.0656
746.0	2.470 1.039	0.0992 1.0664	2.468 1.039	0.0991 1.0662	2.466 1.038	0.0991 1.0660	2.465 1.038	0.0990 1.0658	2.463 1.038	0.0989 1.0657
747.0	2.473 1.037	0.0994 1.0665	2.472 1.037	0.0993 1.0663	2.470 1.037	0.0992 1.0661	2.468 1.037	0.0991 1.0659	2.466 1.037	0.0991 1.0657
748.0	2.477 1.036	0.0995 1.0666	2.475 1.036	0.0994 1.0664	2.473 1.036	0.0993 1.0662	2.471 1.036	0.0993 1.0660	2.470 1.036	0.0992 1.0658
749.0	2.480 1.035	0.0996 1.0667	2.478 1.034	0.0996 1.0665	2.477 1.034	0.0995 1.0663	2.475 1.034	0.0994 1.0661	2.473 1.034	0.0993 1.0659
750.0	2.483 1.033	0.0997 1.0667	2.481 1.033	0.0997 1.0666	2.479 1.033	0.0996 1.0664	2.478 1.033	0.0995 1.0662	2.476 1.033	0.0994 1.0660
751.0	2.487 1.032	0.0999 1.0668	2.485 1.032	0.0998 1.0667	2.483 1.032	0.0997 1.0665	2.481 1.032	0.0997 1.0663	2.479 1.032	0.0996 1.0661
752.0	2.490 1.031	0.1000 1.0669	2.488 1.031	0.0999 1.0667	2.486 1.031	0.0999 1.0666	2.484 1.031	0.0998 1.0664	2.483 1.030	0.0997 1.0662
753.0	2.493 1.030	0.1002 1.0670	2.492 1.029	0.1001 1.0668	2.490 1.029	0.1000 1.0667	2.488 1.029	0.0999 1.0665	2.486 1.029	0.0999 1.0663
754.0	2.497 1.028	0.1003 1.0671	2.495 1.028	0.1002 1.0669	2.493 1.028	0.1001 1.0668	2.491 1.028	0.1001 1.0666	2.489 1.028	0.1000 1.0664
755.0	2.500 1.027	0.1004 1.0672	2.498 1.027	0.1004 1.0670	2.496 1.027	0.1003 1.0669	2.495 1.027	0.1002 1.0667	2.493 1.027	0.1001 1.0665
756.0	2.504 1.026	0.1006 1.0673	2.502 1.025	0.1005 1.0671	2.500 1.025	0.1004 1.0670	2.498 1.025	0.1003 1.0668	2.496 1.025	0.1003 1.0666
757.0	2.507 1.024	0.1007 1.0674	2.505 1.024	0.1006 1.0672	2.503 1.024	0.1006 1.0671	2.501 1.024	0.1005 1.0669	2.500 1.024	0.1004 1.0667
758.0	2.511 1.023	0.1008 1.0675	2.509 1.023	0.1008 1.0673	2.507 1.023	0.1007 1.0672	2.505 1.023	0.1006 1.0670	2.503 1.023	0.1005 1.0668
759.0	2.514 1.022	0.1010 1.0676	2.512 1.022	0.1009 1.0674	2.510 1.021	0.1008 1.0672	2.508 1.021	0.1008 1.0671	2.506 1.021	0.1007 1.0669
760.0	2.517 1.020	0.1011 1.0677	2.516 1.020	0.1010 1.0675	2.514 1.020	0.1010 1.0673	2.512 1.020	0.1009 1.0672	2.510 1.020	0.1008 1.0670

T (DEG C)	29.0		29.2		29.4		29.6		29.8	
	P (MM HG)	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B	U CKTB	C B
730.0	2.406 1.060	0.0967 1.0639	2.404 1.060	0.0966 1.0638	2.403 1.060	0.0965 1.0636	2.401 1.060	0.0964 1.0634	2.399 1.060	0.0964 1.0633
731.0	2.410 1.059	0.0968 1.0642	2.408 1.059	0.0967 1.0639	2.406 1.059	0.0966 1.0637	2.404 1.059	0.0966 1.0635	2.402 1.058	0.0965 1.0634
732.0	2.413 1.057	0.0969 1.0641	2.411 1.057	0.0969 1.0640	2.409 1.057	0.0968 1.0638	2.408 1.057	0.0967 1.0636	2.406 1.057	0.0966 1.0634
733.0	2.416 1.056	0.0971 1.0642	2.415 1.056	0.0970 1.0641	2.413 1.056	0.0969 1.0639	2.411 1.056	0.0969 1.0637	2.409 1.056	0.0968 1.0635
734.0	2.420 1.055	0.0972 1.0643	2.418 1.055	0.0971 1.0641	2.416 1.054	0.0971 1.0640	2.414 1.054	0.0970 1.0638	2.413 1.054	0.0969 1.0636
735.0	2.423 1.053	0.0973 1.0644	2.421 1.053	0.0973 1.0642	2.420 1.053	0.0972 1.0641	2.418 1.053	0.0971 1.0639	2.416 1.053	0.0971 1.0637
736.0	2.427 1.052	0.0975 1.0645	2.425 1.052	0.0974 1.0643	2.423 1.052	0.0973 1.0642	2.421 1.052	0.0973 1.0640	2.420 1.051	0.0972 1.0638
737.0	2.430 1.050	0.0976 1.0646	2.428 1.050	0.0975 1.0644	2.427 1.050	0.0975 1.0643	2.425 1.050	0.0974 1.0641	2.423 1.050	0.0973 1.0639
738.0	2.434 1.049	0.0978 1.0647	2.432 1.049	0.0977 1.0645	2.430 1.049	0.0976 1.0644	2.428 1.049	0.0975 1.0642	2.426 1.049	0.0975 1.0640
739.0	2.437 1.048	0.0979 1.0648	2.435 1.048	0.0978 1.0646	2.433 1.048	0.0977 1.0645	2.432 1.047	0.0977 1.0643	2.430 1.047	0.0976 1.0641
740.0	2.440 1.046	0.0980 1.0649	2.439 1.046	0.0980 1.0647	2.437 1.046	0.0979 1.0646	2.435 1.046	0.0978 1.0644	2.433 1.046	0.0977 1.0642
741.0	2.444 1.045	0.0982 1.0650	2.442 1.045	0.0981 1.0648	2.440 1.045	0.0980 1.0646	2.438 1.045	0.0979 1.0645	2.437 1.045	0.0979 1.0643
742.0	2.447 1.044	0.0983 1.0651	2.445 1.043	0.0982 1.0649	2.444 1.043	0.0982 1.0647	2.442 1.043	0.0981 1.0646	2.440 1.043	0.0980 1.0644
743.0	2.451 1.042	0.0984 1.0652	2.449 1.042	0.0984 1.0650	2.447 1.042	0.0983 1.0648	2.445 1.042	0.0982 1.0647	2.443 1.042	0.0981 1.0645
744.0	2.454 1.041	0.0986 1.0653	2.452 1.041	0.0985 1.0651	2.450 1.041	0.0984 1.0649	2.449 1.041	0.0984 1.0648	2.447 1.041	0.0983 1.0646

T (DEG CF) P (MM HG)	29.0		29.2		29.4		29.6		29.8	
	C B	U CKTB								
745.0	2.457 1.040	0.0987 1.0654	2.456 1.039	0.0986 1.0652	2.454 1.039	0.0986 1.0651	2.452 1.039	0.0985 1.0649	2.450 1.039	0.0984 1.0647
746.0	2.461 1.038	0.0988 1.0655	2.459 1.038	0.0988 1.0653	2.457 1.038	0.0987 1.0651	2.455 1.038	0.0986 1.0650	2.454 1.038	0.0986 1.0648
747.0	2.464 1.037	0.0990 1.0656	2.462 1.037	0.0989 1.0654	2.461 1.037	0.0988 1.0652	2.459 1.037	0.0988 1.0650	2.457 1.036	0.0987 1.0649
748.0	2.468 1.035	0.0991 1.0657	2.466 1.035	0.0991 1.0655	2.464 1.035	0.0990 1.0653	2.462 1.035	0.0989 1.0651	2.460 1.035	0.0988 1.0650
749.0	2.471 1.034	0.0993 1.0658	2.469 1.034	0.0992 1.0656	2.467 1.034	0.0991 1.0654	2.466 1.034	0.0990 1.0652	2.464 1.034	0.0990 1.0651
750.0	2.474 1.033	0.0994 1.0658	2.472 1.033	0.0993 1.0657	2.470 1.033	0.0992 1.0655	2.468 1.033	0.0992 1.0653	2.467 1.033	0.0991 1.0651
751.0	2.477 1.032	0.0995 1.0659	2.475 1.032	0.0994 1.0658	2.474 1.032	0.0994 1.0656	2.472 1.031	0.0993 1.0654	2.470 1.031	0.0992 1.0652
752.0	2.481 1.030	0.0996 1.0660	2.479 1.030	0.0996 1.0659	2.477 1.030	0.0995 1.0657	2.475 1.030	0.0994 1.0655	2.473 1.030	0.0994 1.0653
753.0	2.484 1.029	0.0998 1.0661	2.482 1.029	0.0997 1.0660	2.480 1.029	0.0996 1.0658	2.479 1.029	0.0996 1.0656	2.477 1.029	0.0995 1.0654
754.0	2.488 1.028	0.0999 1.0662	2.486 1.028	0.0998 1.0660	2.484 1.028	0.0998 1.0659	2.482 1.027	0.0997 1.0657	2.480 1.027	0.0996 1.0655
755.0	2.491 1.026	0.1001 1.0663	2.489 1.026	0.1000 1.0661	2.487 1.026	0.1000 1.0660	2.485 1.026	0.1000 1.0658	2.484 1.026	0.1000 1.0656
756.0	2.494 1.025	0.1002 1.0664	2.492 1.025	0.1001 1.0662	2.491 1.025	0.1000 1.0661	2.489 1.025	0.1000 1.0659	2.487 1.025	0.1000 1.0657
757.0	2.498 1.024	0.1003 1.0665	2.496 1.024	0.1003 1.0663	2.494 1.024	0.1002 1.0662	2.492 1.024	0.1001 1.0660	2.490 1.023	0.1000 1.0658
758.0	2.501 1.023	0.1004 1.0666	2.499 1.022	0.1004 1.0664	2.497 1.022	0.1003 1.0663	2.496 1.022	0.1002 1.0661	2.494 1.022	0.1002 1.0659
759.0	2.505 1.021	0.1006 1.0667	2.503 1.021	0.1005 1.0665	2.501 1.021	0.1005 1.0664	2.499 1.021	0.1004 1.0662	2.497 1.021	0.1003 1.0660
760.0	2.508 1.020	0.1007 1.0668	2.506 1.020	0.1007 1.0666	2.504 1.020	0.1006 1.0664	2.502 1.020	0.1005 1.0663	2.501 1.020	0.1004 1.0661



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