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TABLES OF CRITICAL FLOW PARAMETERS FOR WATER IN SI UNITS (1965 MOODY CRITICAL FLOW MODEL)

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ABSTRACT

This reference document presents tables and charts containing data calculated using the Moody critical flow model. The ranges of stagnation state properties for which data are presented include: pressures from 2 to 22 120 kPa, temperatures from 290 to 640 K, and thermodynamic qualities from 0 to 1. The derivation of the Moody model and the method by which the data were obtained is presented. The basic assumptions underlying the model and various aspects of the calculated data are discussed.

FOREWARD

This reference document is the second in a series of documents which present calculated values of critical flow parameters. Each document presents data calculated using one of the critical flow models that are currently widely used to perform reactor safety analyses. These references are produced as a result of EG&G Technical Development Project 305 which is funded under the U.S. Department of Energy Contract Number DE-AC07-76ID01570.

The first document in the series[1] presented data calculated using the homogeneous equilibrium critical flow model (HEM). The format of the this report is similar to that of the previous one; however, data for subcooled and saturated stagnation conditions are presented separately and pressure referenced as well as temperature referenced tables are presented for two-phase stagnation conditions. The computer graphics used to produce the charts presented at the back of the document have been refined so that values can be read more accurately.

ACKNOWLEDGMENTS

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SUMMARY

Values of critical flow parameters were calculated using the Moody critical flow model over a range of subcooled and saturated stagnation states using fine increments of the stagnation properties. The ranges of stagnation properties at which calculations were performed include: pressures from 2 to 22 120 kPa, temperatures from 290 to 640 K, and qualities from 0 to 1. The data are presented in tables in Appendix A and in charts in Appendix B. The data include critical flow parameters such as velocity and mass flux and critical thermodynamic state properties. The theoretical basis for the Moody model and the method used to determine the critical flow rate and associated thermodynamic state at the choked location are described. Similarities and differences between the Moody values and those calculated using the homogeneous equilibrium critical flow model are discussed. Several anomalies which are evident in the data charts are also discussed.

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TABLES OF CRITICAL FLOW PARAMETERS FOR WATER IN SI UNITS (1965 MOODY CRITICAL FLOW MODEL)

INTRODUCTION

Critical or choked flow is the phenomenon whereby the fluid flow rate has an upper limit for a given set of stagnation conditions. This phenomenon is the result of accelerating the fluid to a velocity at least equal to the speed of sound across the entire cross section of the flow. The location where this condition occurs is the choked location. The fact that the velocity is greater than or equal to the speed of sound precludes the propagation of pressure signals upstream of the choked location. The flow thus cannot be further accelerated due to an increased pressure differential produced by reducing the downstream pressure. For a particular flow geometry and set of stagnation conditions, the maximum flow rate and the thermodynamic state at the choked location are uniquely determined. The state at the choked location is termed the critical state (not to be confused with the thermodynamic critical state, 647.3 K, 22 120 kPa). Choking can occur in the flow of a gas, subcooled liquid, or a two-phase mixture. If the flow is initially a subcooled liquid, choking is usually accompanied by a change to a two-phase mixture because the large pressure differential required to accelerate the flow to the liquid speed of sound is seldom achieved. Choking of a homogeneous two-phase flow results in a critical state having a higher vapor mass fraction.

Numerous analytical models have been developed in order to predict the critical flow rate, the thermodynamic state at the choking location, and related parameters. The critical flow model published by F. J. Moody in the February 1965 issue of the Journal of Heat Transfer[2] has been extensively used to perform reactor safety analyses. The model, which is generally referred to as "The Moody Model," is similar to the homogeneous equilibrium critical flow model (HEM) in that it assumes the flow is in thermodynamic equilibrium at the choking location. It differs from HEM in that it does not assume that the flow is a homogeneous mixture and assumes that the phasic velocities are different. The Moody model is specified in

Appendix K of Volume 10 of the Code of Federal Regulations[3] for calculating flow rates under two-phase flow conditions. The requirement that the model be used for reactor licensing calculations is a large part of the reason for its use in reactor safety analyses. The model is generally not used for "best-estimate" calculations because comparisons of flow rates calculated using the model with experimental data have shown that the critical flow rate was overpredicted.[4,5] This result has lead to the model being termed a "conservative" critical flow model for predicting critical flow rates when the stagnation conditions are two-phase.

Despite the wide use of the Moody model for reactor analyses, no reference containing parametric data calculated using the model is known to be publicly available. Plots of critical flow rate and critical pressure as functions of stagnation pressure and enthalpy are presented in the journal article that introduced the model, but these are of limited use for reference purposes. This report contains data for critical flow parameters calculated using the Moody model over a range of subcooled and saturated water stagnation conditions. The theoretical basis for the model is presented in the next section. Also included in the next section are descriptions of the computational method and computer programs used to produce the data presented in the tables and charts. The definition of the thermodynamic state at the choking location and the results of the calculations are discussed in the Discussion Section. Data tables and charts are presented in Appendices A and B, respectively. The notation used to refer to the various critical flow parameters and the units of the International System of Units (SI) in which the data are presented are listed in the first section of Appendix A.

THEORY AND COMPUTATIONAL METHOD

The Moody model is based on the assumptions that the flow is in thermodynamic equilibrium at the location where choking occurs, and that the phases move at different velocities. The assumption that the flow structure is separated is implied by the assumption of slip, but is not explicitly specified. The flow process is assumed to be isentropic; however, the isentropic condition is applied so that there is no entropy acumulation in the flow rather than as a condition where the mixture entropy is the same everywhere in the flow.

The Moody expression for mass is basically obtained from writing an energy balance on a control volume where the upstream condition is stagnant and the downstream condition is that at the choking location. The resulting energy equation is:

$$w_t h_o = \left[w_f \left(h_f + \frac{V_f^2}{2} \right) + w_g \left(h_g + \frac{V_g^2}{2} \right) \right]_{th} \qquad (1)$$

where w is mass flow rate, h is specific enthalpy, V is velocity, the subscripts f and g refer to liquid and vapor respectively, and the subscript th indicates that the quantities are evaluated at the location of choking. The total mass flow rate, w_t, is equal to the sum of the liquid and vapor flow rates. Definition of a flow quality, x_{fl}, given by

$$x_{fl} = w_g / w_t \qquad (2)$$

and a slip ratio, S, given by

$$S = V_g / V_f \qquad (3)$$

allows Equation (1) to be rewritten as:

$$h_o = \left[(1 - x_{fl})\left(h_f + \frac{V_g^2}{2\$^2}\right) + x_{fl}\left(h_g + \frac{V_g}{2}\right)^2\right]_{th} \qquad (4)$$

Equation 4 provides an expression for the vapor velocity which can be used to obtain an expression for the total critical mass flux, G* from

$$x_{fl}\, G^*\, A = w_g = \frac{V_g A_g}{v_g} \qquad (5a)$$

or

$$G^* = \frac{\alpha V_g}{x_{fl}\, v_g} \qquad (5b)$$

where all the qualities are evaluated at the choking location and A and A_g are the total cross-sectional area and the portion of the cross-sectional area associated with the vapor flow at the choked location. The ratio A_g/A is equal to the void fraction α. Starting from the definition of flow quality, Equation (2), the void fraction can be expressed as a function of the flow quality, slip ratio, and liquid and vapor specific volumes, v_f and v_g, respectively,

$$\alpha = \frac{x_{fl} v_g}{x_{fl} v_g + (1 - x_{fl})\, v_f \$} \qquad (6)$$

Substitution of the vapor velocity expression obtained from Equation (4) and void fraction expression from Equation (6) into Equation (5b) yields the final expression for the total mass flux at the choking location

$$G^* = \left[\frac{2\left\{ h_o - \left[(1 - x_{fl})\, h_f + x_{fl}\, h_g \right] \right.}{\left[x_{fl} v_g + (1 - x_{fl})\, v_f \right]^2 \left[x_{fl} + (1 - x_{fl})/\mathcal{S}^2 \right]} \right]^{1/2}_{th} \tag{7}$$

The flow quality in Equation (7) can be expressed by writing an entropy balance analogous to the energy balance expressed by Equation (1)

$$w_t s_o = \left[w_f s_f + w_g s_g \right]_{th} \tag{8}$$

where s_o is the stagnation entropy and s_f and s_g are the liquid and vapor specific entropies, respectively. Division of Equation (8) by the total mass flow rate yields an expression for the flow quality at the choking location

$$x_{fl_{th}} = \left[\frac{s_o - s_f}{s_g - s_f} \right]_{th} \tag{9}$$

It should be noted that despite the fact that the right hand side of Equation (9) is the expression for thermodynamic or mass quality obtained from the statepoint definition of the isentropic flow of a homogeneous mixture, the quality obtained from Equation (9) is the flow quality at the choking location and not the thermodynamic or mass quality.

For a slip flow as assumed in the derivation of the Moody model, the distribution of liquid and vapor (i.e., mass quality x) at the choking location is a function of the slip ratio and flow quality as expressed by

$$x_{th} = \left[\frac{x_{fl}}{x_{fl} + (1 - x_{fl})\, \mathcal{S}} \right]_{th} \tag{10}$$

which can be obtained by expressing the void fraction in terms of mass quality and substituting this expression into Equation (6).

All of the quantities in Equation (7) are or can be expressed as functions of basic thermodynamic properties at the choking location. An expression for the critical slip ratio as a function of basic thermodynamic properties is obtained by determining the value of slip that will produce a maximum mass flux if all of the phasic properties at the choking location are held constant. This maximum is obtained from

$$\left[\frac{\partial G^*}{\partial \mathcal{S}}\right]_{p_{th}} = 0. \tag{11}$$

The expression for the critical slip ratio which is obtained from Equation (11) is

$$\mathcal{S}^* = \left[\frac{v_g}{v_f}\right]^{1/3}_{th} \tag{12}$$

All of the qualitites in the expression for critical mass flux, Equation (7), can thus be evaluated if the critical pressure, p*, is known.

The critical pressure is defined to be that which yields a maximum of the mass flux values obtained by evaluating Equation (7). The calculational procedure used to obtain the Moody critical flow data presented in this report involved iteratively searching for the pressure that produced a maximum mass flux as shown systematically in Figure 1. The mass flux was calculated by first evaluating the flow quality and slip ratio according to Equations (9) and (12), respectively. The critical mass flux was considered to be the value given by Equation (7) when the maximum mass flux was resolved to 0.0001 kg/s m^2.

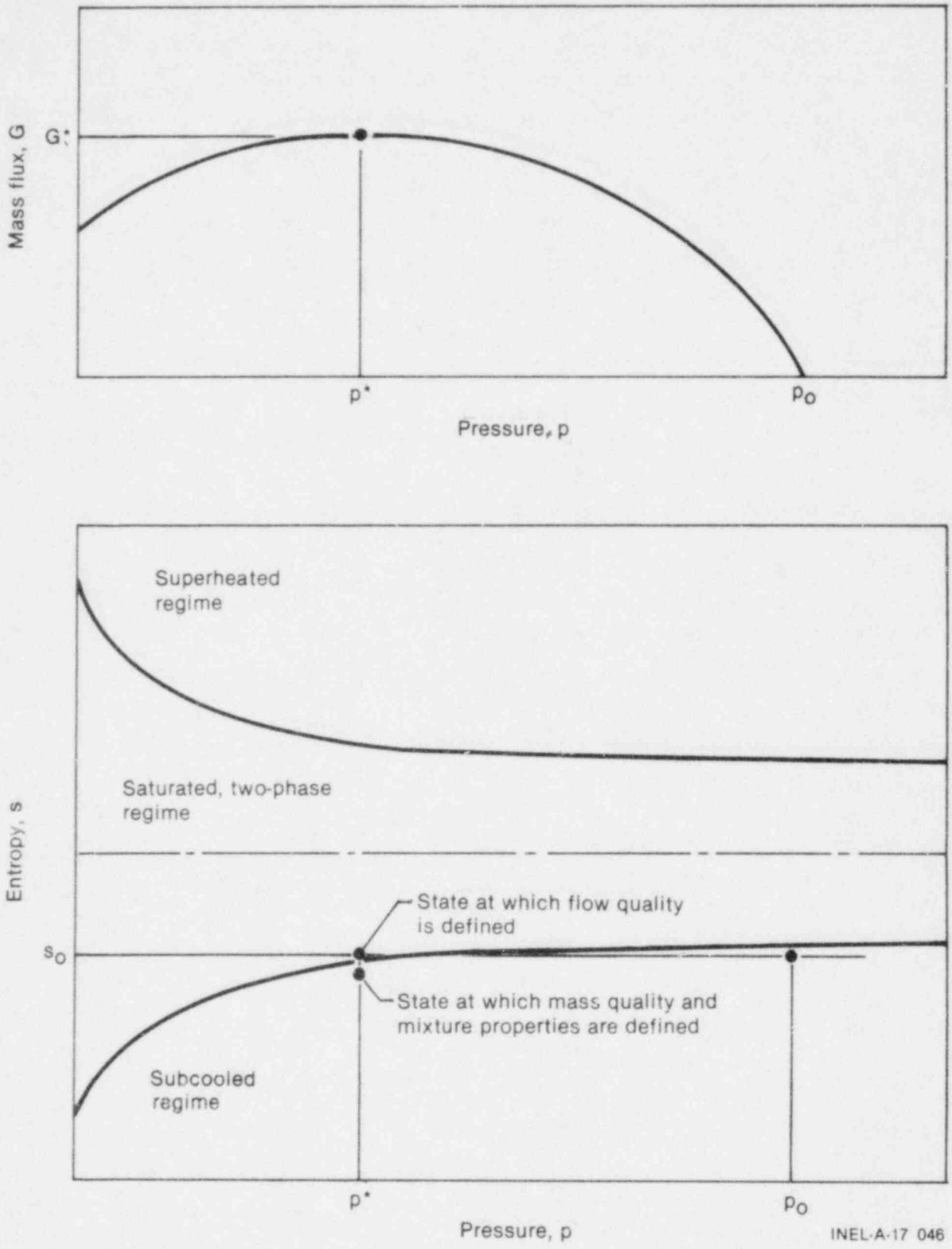

Figure 1. Computation method.

It is important to note that while the iterative search was performed using thermodynamic states having the same entropy as the stagnation value, the critical mass quality was obtained by evaluating Equation (10). Because of this procedure, the critical mass quality is always less than the critical flow quality and thus if a critical mixture specific entropy is calculated it is less than the stagnation entropy as shown in Figure 1. This situation is the result of the no entropy accumulation definition of an isentropic flow process incorporated in the Moody model as opposed to the state point definition for a homogeneous mixture.

The calculations to obtain the values of the Moody critical flow parameters were directed by the CFMAP[b] computer program. The actual calculation of the critical flow parameters were performed by a subroutine that is a modified version of the MASFLO computer code that is described in Reference 4.[a] The fluid properties used in making the calculations were obtained from the ASTEM subroutine package.[6] These subroutines evaluate the equations for steam/water properties contained in the 1967 ASME Steam Tables.[7] The data calculated using CFMAP were used as input to table printing and chart plotting programs, SIPRINT[c] and CFPLOT[d], respectively. SIPRINT assembled the data in the tabular forms presented in Appendix A. CFPLOT directed the DISSPLA[8] plotting software in the production of the charts presented in Appendix B.

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a. See Reference 4, pp 55-165.

b. Computer code configuration management file number F00043.

c. Computer code configuration management file number F00044.

d. Computer code configuration management file number F00045.

DISCUSSION

The mapping of the Moody critical flow model over most of the subcooled regime at stagnation pressures less than or equal to the thermodynamic critical pressure and over all of the two-phase region at stagnation temperatures greater than or equal to 290 K generally produced data that varied regularly as expected. The regularity of the data is illustrated by the smoothness of the curves in the charts presented in Appendix B and attests to the general adequacy of the computational method and fluid properties used to determine the values of the critical flow parameters.

When the stagnation conditions are moderately to highly subcooled, the fluid conditions at the choked location are just saturated and the corresponding critical flow parameters have a different character than when the stagnation conditions are only slightly subcooled which results in two-phase conditions at the choked location. A locus of subcooled stagnation thermodynamic states exist which represent a boundary between stagnation states for which a saturated liquid state is predicted to occur at the choking location and stagnation states for which a two-phase state is predicted to occur at the choking location. Stagnation states having higher pressures and/or lower temperatures than those forming the boundary (i.e. "above" the boundary) result in saturated liquid critical states while the opposite set of conditions (i.e. "below" the boundary) produce two-phase critical states. A similar boundary was identified when the homogeneous equilibrium model (HEM) data was produced and is discussed in Reference 2.[a]

The critical mass flux and critical thermodynamic state predicted by the Moody model are identical to those predicted by the HEM in stagnation conditions "above" the Moody subcooled stagnation state boundary. As with

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a. See Reference 1, p. 4.

the HEM data, the Moody critical mixture Mach numbers are greater than unity (over 6000 for some conditions) for stagnation states above the boundary. This result is consistent with the requirement that acoustic waves be restricted from travel upstream of the choking location. The Moody critical mixture Mach numbers are not equal to unity for stagnation conditions "below" the subcooled stagnation state limit as is the case for HEM data because of the assumption of slip at the choked location. The critical Moody mass flux values become progressively larger than the HEM values at the same stagnation conditions as the stagnation conditions move away from the boundary and into the two-phase region.

The locus of stagnation states that form the subcooled stagnation state boundary is identifiable in several of the charts presented in Appendix B. The maximum in the constant temperature lines in the critical pressure ratio chart (Figure B-3) for temperatures greater than 520 K correspond to the locus of boundary points. The maxima for temperatures less than 520 K are not representative of the boundary because the 100 kPa interval at which the critical flow calculations were made was insufficient to resolve the true maximum. Minimuma in the constant temperature lines for the critical mixture, liquid, and vapor velocities (Figures B-9, B-10, and B-12) correspond to the boundary points. Corresponding points are also identifiable in the critical temperature ratio, density ratio, void fraction, mass quality, and flow quality charts (Figures B-4 through B-8) as points where the slopes of the constant temperature lines change radically from near zero to large positive or negative values.

The critical density ratio chart (Figure B-5) and the critical mass quality chart (Figure B-7) are the only charts having counterparts in the HEM reference document (Reference 2) which display significantly different behavior from the HEM data. The critical density ratios are greater than one for most two-phase stagnation conditions and reach values as high as nominally 27 for low stagnation qualities at a stagnation temperature of 290 K. In contrast, HEM critical density ratios are always less than one. In addition, the two-phase region is folded over on itself such that the

highest density ratios occur for a stagnation quality of 0.3. The Moody model results are caused by the definition of an isentropic flow process used in the derivation of the model. An isentropic flow process is modeled by specifying that there is no entropy accumulation in the flow as opposed to specifying that the mixture entropy is equal to the stagnation entropy everywhere in the flow. The mass distribution of the phases at the choked location represented by the mixture mass quality is thus obtained from the flow quality (vapor-to-total mass flow rate) and the slip. The critical mass qualities obtained by this method are sufficiently low at low stagnation pressures (see Figure B-7) to produce corresponding critical mixture densities that are large relative to the stagnation density thus producing the large critical density ratio values. The fold over of the two-phase region in Figure B-5 is due to complex relationships between the stagnation density which is a function of stagnation pressure and quality, and the critical density which is a function of the critical pressure and quality both of which are in turn functions of the stagnation conditions.

The critical pressure ratio and temperature ratio charts (Figures B-3 and B-4) exhibit a slight fold over for low quality stagnation conditions at stagnation pressures less than about 8000 kPa. At pressures lower than this value the critical pressure and temperature ratios are higher for a stagnation quality of 0.02 than for a saturated liquid stagnation state. The fold over is apparently due to the influence slip on the critical mass flux.

An anomally is noticeable in some of the constant quality lines for four of the parameters presented in the working charts. Abrupt changes are present in the constant quality lines less than 0.3 at approximately 16 500 kPa for critical mass flux, critical pressure ratio, critical temperature ratio, and critical void fraction (Figures B-2 through B-4 and B-6, respectively). The magnitude of the changes is the largest at zero quality and progressively diminishes as the quality increases. The percentage difference of the values immediately on either side of the change for the zero quality line are as follows:

critical mass flux	0.50%
critical pressure ratio	0.80%
critical temperature ratio	0.11%
critical void fraction	1.21%

where the property ratios are the ratio of the value at the choking location to the stagnation value and the percentages are computed using the smaller of the two values on either side of the change as the base value. The anomally is associated with a discontinuity in the fluid properties that occurs at 16 539 kPa. This discontinuity is discussed in Appendix 3 of Reference 7 and is the result of changing from using the Gibbs function to evaluate the fluid properties to using the Hemholtz function as indicated in Reference 6. Fortunately, this anomally occurs at a pressure above the usual range of interest and the ambiguity in the mass flux is indicated to be less than or equal to 0.5% at all conditions.

In several of the charts in Appendix B, the high pressure end of the 630 K stagnation temperature line exhibits a trend that is not consistent with the behavior exhibited by the other constant temperature lines at high stagnation pressures. The anomalous results probably occurred because the critical pressures obtained for subcooled stagnation states with pressures at or above 22 100 kPa and a stagnation temperature of 630 kPa were above 16539 kPa which is the pressure at which the method of evaluating the fluid properties changes as previously discussed. The discontinuity in fluid properties at 16539 kPa probably caused the atypical results.

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APPENDIX A

DATA TABLES

APPENDIX A

DATA TABLES

INTRODUCTION

Tabulated values of critical flow parameters are presented in six data tables which form the last six sections of this appendix. The tables are preceded by a section which lists the nomenclature and units associated with the parameters presented in the tables. All of the tabular data are presented in the International System of Units (SI).

The first two tables present data for subcooled stagnation conditions. The data in both tables are organized by presenting data for a series of stagnation pressures and qualities at fixed stagnation temperatures. The data for each stagnation temperature are presented in the order of decreasing pressure beginning at the thermodynamic critical pressure (22 120 kPa). The data are thus presented in the order of decreasing subcooling. The sets of data corresponding to the stagnation temperatures are presented in the order of increasing temperature. Table A-1 contains the values of parameters associated with the flow of the fluid at the choked location as opposed to the state of the fluid. In this table, a complete set of state properties are listed for each stagnation state. Table A-2 contains values of the state properties at the choked location and ratios of the critical pressure, temperature, and density to their respective stagnation counterparts. An abbreviated set of stagnation state properties are presented in Table A-2.

The second two tables present data for two-phase stagnation conditions with stagnation temperature as the primary reference variable. The data in both tables are organized by presenting a set of data for stagnation qualities between 0 and 1 for each stagnation temperature. The data sets

are presented in the order of increasing stagnation temperature. Table A-3 presents the same critical flow parameters presented in Table A-1. Similarly, Table A-4 presents the same critical flow parameters presented in Table A-2.

The last set of two tables also present data for two-phase stagnation conditions except stagnation pressure is the primary reference variable. The data sets corresponding to the stagnation pressures are presented in the order of increasing stagnation pressure. The parameters presented in Tables A-5 and A-6 are the same as those presented in Tables A-1 and A-2, respectively.

NOMENCLATURE AND UNITS

Symbol	Description	Units
AHE	Homogeneous equilibrium speed of sound	m/s
AO	Stagnation void fraction	
A*	Critical void fraction	
G	Critical mass flux	kg/s.m^2
HO	Stagnation enthalpy	kJ/kg
H*	Critical enthalpy	kJ/kg
MAVG	Critical mixture Mach number	
PR	Critical pressure ratio, P*/PO	
PSAT	Saturation pressure	kPa
PO	Stagnation pressure	kPa
P*	Critical pressure	kPa
RR	Critical density ratio, R*/RO	
RO	Stagnation density	kg/m^3
R*	Critical density	kg/m^3
SLIP	Critical slip ratio, VV/VL	
TR	Critical temperature ratio, TO/T*	
TSAT	Saturation temperature	K
TO	Stagnation temperature	K
T*	Critical temperature	K
VAVG	Critical mixture velocity	m/s
VL	Critical liquid velocity	m/s
VV	Critical vapor velocity	m/s
XF	Critical flow quality	
XO	Stagnation quality	
X*	Critical mass quality	

Table A-1. Critical Flow Properties (Subcooled Conditions)

Values of the critical flow parameters listed below are presented in Table A-1.

Parameter	Symbol
Mass flux	G
Homogeneous equilibrium speed of sound	AHE
Mixture velocity	VAVG
Mach number	MAVG
Slip	S
Liquid velocity	VL
Vapor velocity	VG
Flow quality[a]	XF

a. Flow quality is the ratio of the mass flow rate of the vapor phase to the total mass rate.

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 290 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XE
22170.0	1008.8	91.5	********	********	209689.	.0	209.9	6651.77	41.381	209.7	8870.2	.000
22100.0	1008.8	91.5	-4.3146	-14.6985	209594.	.0	209.8	6650.62	41.381	209.8	8682.6	.000
22000.0	1008.8	91.4	-1.5902	-5.9802	209122.	.0	209.3	6635.08	41.380	209.3	8662.8	.000
21900.0	1008.7	91.3	-1.1310	-4.5002	208568.	.0	208.9	6619.50	41.379	208.8	8643.9	.000
21800.0	1008.7	91.2	-.9142	-3.7946	208173.	.0	208.4	6607.90	41.377	208.4	8623.0	.000
21700.0	1008.6	91.1	-.7816	-3.3591	207897.	.0	207.9	6598.27	41.376	207.9	8603.0	.000
21600.0	1008.6	91.0	-.6896	-3.0547	207721.	.0	207.4	6592.60	41.375	207.4	8583.0	.000
21500.0	1008.5	90.9	-.6210	-2.8257	206763.	.0	207.0	6556.92	41.374	207.0	8563.0	.000
21400.0	1008.5	90.8	-.5691	-2.6446	206266.	.0	206.5	6541.18	41.373	206.5	8542.9	.000
21300.0	1008.5	90.7	-.5285	-2.4964	205783.	.0	206.0	6524.42	41.372	206.0	8522.8	.000
21200.0	1008.4	90.7	-.4968	-2.3717	205302.	.0	205.5	6509.62	41.370	205.5	8502.6	.000
21100.0	1008.4	90.6	-.4697	-2.2648	204819.	.0	205.0	6493.79	41.369	205.0	8482.4	.000
21000.0	1008.3	90.5	-.4287	-2.1716	204335.	.0	204.6	6477.92	41.368	204.6	8462.1	.000
20900.0	1008.3	90.4	-.4051	-2.0882	203841.	.0	204.1	6462.03	41.367	204.1	8441.8	.000
20800.0	1008.2	90.3	-.3841	-2.0156	203344.	.0	203.6	6446.09	41.366	203.6	8421.4	.000
20700.0	1008.2	90.2	-.3653	-1.9491	202877.	.0	203.1	6430.12	41.364	203.1	8401.0	.000
20600.0	1008.2	90.1	-.3483	-1.8887	202388.	.0	202.6	6414.12	41.363	202.6	8380.5	.000
20500.0	1008.1	90.0	-.3328	-1.8334	201899.	.0	202.1	6398.09	41.362	202.1	8360.0	.000
20400.0	1008.1	89.9	-.3187	-1.7825	201404.	.0	201.6	6381.01	41.361	201.6	8339.4	.000
20300.0	1008.0	89.8	-.3057	-1.7353	200916.	.0	201.1	6365.90	41.360	201.1	8318.9	.000
20200.0	1008.0	89.7	-.2937	-1.6914	200423.	.0	200.6	6349.76	41.359	200.6	8298.2	.000
20100.0	1007.9	89.6	-.2825	-1.6503	199928.	.0	200.1	6333.58	41.357	200.1	8277.6	.000
20000.0	1007.9	89.5	-.2721	-1.6118	199432.	.0	199.6	6317.36	41.356	199.6	8256.7	.000
19900.0	1007.8	89.4	-.2624	-1.5756	198935.	.0	199.2	6301.11	41.355	199.2	8235.9	.000
19800.0	1007.8	89.3	-.2533	-1.5414	198437.	.0	198.7	6284.82	41.354	198.7	8215.1	.000
19700.0	1007.8	89.3	-.2448	-1.5090	197938.	.0	198.2	6268.50	41.353	198.2	8194.3	.000
19600.0	1007.7	89.2	-.2367	-1.4783	197437.	.0	197.7	6252.13	41.352	197.7	8173.2	.000
19500.0	1007.7	89.1	-.2291	-1.4491	196936.	.0	197.1	6235.72	41.350	197.1	8152.2	.000
19400.0	1007.6	89.0	-.2219	-1.4215	196430.	.0	196.6	6219.29	41.349	196.6	8131.1	.000
19300.0	1007.6	88.9	-.2150	-1.3947	195926.	.0	196.1	6202.79	41.348	196.1	8110.0	.000
19200.0	1007.5	88.8	-.2085	-1.3693	195420.	.0	195.6	6186.28	41.347	195.6	8088.8	.000
19100.0	1007.5	88.7	-.2023	-1.3449	194912.	.0	195.1	6169.71	41.346	195.1	8067.6	.000
19000.0	1007.4	88.6	-.1964	-1.3215	194403.	.0	194.6	6153.11	41.345	194.6	8046.3	.000
18900.0	1007.4	88.5	-.1908	-1.2991	193893.	.0	194.1	6136.48	41.344	194.1	8025.0	.000
18800.0	1007.4	88.4	-.1854	-1.2775	193382.	.0	193.6	6119.80	41.342	193.6	8003.6	.000
18700.0	1007.3	88.3	-.1803	-1.2568	192868.	.0	193.1	6103.08	41.341	193.1	7982.1	.000
18600.0	1007.3	88.2	-.1754	-1.2367	192354.	.0	192.6	6086.32	41.340	192.6	7960.6	.000
18500.0	1007.2	88.1	-.1707	-1.2174	191839.	.0	192.0	6069.51	41.339	192.0	7939.0	.000
18400.0	1007.2	88.0	-.1661	-1.1987	191321.	.0	191.5	6052.67	41.338	191.5	7917.4	.000
18300.0	1007.1	87.9	-.1618	-1.1807	190803.	.0	191.0	6035.78	41.337	191.0	7895.7	.000
18200.0	1007.1	87.9	-.1576	-1.1633	190283.	.0	190.5	6018.86	41.335	190.5	7874.0	.000
18100.0	1007.0	87.8	-.1536	-1.1464	189762.	.0	190.0	6001.88	41.334	190.0	7852.2	.000
18000.0	1007.0	87.7	-.1497	-1.1300	189239.	.0	189.4	5984.87	41.333	189.4	7830.4	.000
17900.0	1007.0	87.6	-.1459	-1.1142	188714.	.0	188.9	5967.82	41.332	188.9	7808.5	.000
17800.0	1006.9	87.5	-.1423	-1.0988	188188.	.0	188.4	5950.71	41.331	188.4	7786.5	.000
17700.0	1006.9	87.4	-.1389	-1.0839	187661.	.0	187.9	5933.56	41.330	187.9	7764.4	.000
17600.0	1006.9	87.3	-.1355	-1.0694	187132.	.0	187.3	5916.38	41.329	187.3	7742.4	.000
17500.0	1006.8	87.2	-.1322	-1.0554	186602.	.0	186.8	5899.14	41.327	186.8	7720.2	.000
17400.0	1006.7	87.1	-.1291	-1.0417	186070.	.0	186.3	5881.87	41.326	186.3	7698.0	.000
17300.0	1006.7	87.0	-.1261	-1.0284	185537.	.0	185.7	5864.53	41.325	185.7	7675.7	.000
17200.0	1006.6	86.9	-.1231	-1.0154	185001.	.0	185.2	5847.15	41.324	185.2	7653.4	.000
17100.0	1006.6	86.8	-.1203	-1.0028	184465.	.0	184.7	5829.73	41.323	184.7	7630.9	.000
17000.0	1006.6	86.7	-.1176	-.9906	183926.	.0	184.1	5812.27	41.322	184.1	7608.5	.000
16900.0	1006.5	86.6	-.1149	-.9786	183387.	.0	183.6	5794.76	41.321	183.6	7585.9	.000
16800.0	1006.5	86.5	-.1123	-.9669	182843.	.0	183.0	5777.19	41.319	183.0	7563.3	.000
16700.0	1006.4	86.4	-.1098	-.9556	182302.	.0	182.5	5759.58	41.318	182.5	7540.7	.000
16600.0	1006.4	86.4	-.1074	-.9444	181758.	.0	182.0	5741.93	41.317	182.0	7517.9	.000
16500.0	1006.3	86.3	-.1051	-.9339	181211.	.0	181.4	5724.21	41.316	181.4	7495.1	.000
16400.0	1006.3	86.2	-.1028	-.9233	180663.	.0	180.9	5706.44	41.314	180.9	7472.3	.000
16300.0	1006.2	86.1	-.1006	-.9129	180113.	.0	180.3	5688.64	41.313	180.3	7449.3	.000
16200.0	1006.2	86.0	-.0984	-.9028	179562.	.0	179.8	5670.79	41.312	179.8	7426.3	.000
16100.0	1006.2	85.9	-.0963	-.8928	179009.	.0	179.2	5652.88	41.312	179.2	7403.2	.000
16000.0	1006.1	85.8	-.0943	-.8830	178454.	.0	178.6	5634.92	41.310	178.6	7380.1	.000
15900.0	1006.1	85.7	-.0923	-.8734	177897.	.0	178.1	5616.89	41.309	178.1	7356.8	.000
15800.0	1006.0	85.6	-.0904	-.8641	177339.	.0	177.5	5598.84	41.308	177.5	7333.4	.000
15700.0	1006.0	85.5	-.0885	-.8548	176779.	.0	177.0	5580.71	41.307	177.0	7310.2	.000
15600.0	1005.9	85.4	-.0866	-.8458	176217.	.0	176.4	5562.53	41.306	176.4	7286.8	.000
15500.0	1005.9	85.3	-.0848	-.8369	175653.	.0	175.8	5544.30	41.305	175.8	7263.3	.000
15400.0	1005.8	85.2	-.0831	-.8282	175087.	.0	175.3	5526.02	41.304	175.3	7239.7	.000
15300.0	1005.8	85.1	-.0815	-.8196	174520.	.0	174.7	5507.67	41.303	174.7	7216.0	.000
15200.0	1005.8	85.0	-.0797	-.8112	173951.	.0	174.1	5489.29	41.301	174.1	7192.2	.000
15100.0	1005.7	84.9	-.0780	-.8029	173379.	.0	173.6	5470.83	41.300	173.6	7168.5	.000
15000.0	1005.7	84.9	-.0764	-.7947	172806.	.0	173.0	5452.32	41.299	173.0	7144.6	.000
14900.0	1005.6	84.8	-.0748	-.7867	172231.	.0	172.4	5433.75	41.298	172.4	7120.6	.000
14800.0	1005.6	84.7	-.0733	-.7788	171653.	.0	171.8	5415.12	41.297	171.8	7096.4	.000
14700.0	1005.5	84.6	-.0718	-.7711	171074.	.0	171.3	5396.44	41.296	171.3	7072.4	.000
14600.0	1005.5	84.5	-.0704	-.7634	170494.	.0	170.7	5377.70	41.295	170.7	7048.2	.000
14500.0	1005.4	84.4	-.0690	-.7559	169910.	.0	170.1	5358.89	41.294	170.1	7023.9	.000
14400.0	1005.4	84.3	-.0676	-.7485	169324.	.0	169.5	5340.03	41.293	169.5	6999.6	.000
14300.0	1005.4	84.2	-.0662	-.7412	168738.	.0	168.9	5321.09	41.291	168.9	6975.1	.000
14200.0	1005.3	84.1	-.0649	-.7340	168149.	.0	168.3	5302.11	41.290	168.3	6950.6	.000
14100.0	1005.3	84.0	-.0636	-.7269	167558.	.0	167.7	5283.05	41.289	167.7	6925.9	.000
14000.0	1005.2	83.9	-.0623	-.7199	166964.	.0	167.1	5263.93	41.288	167.1	6901.2	.000
13900.0	1005.2	83.9	-.0611	-.7130	166368.	.0	166.6	5244.75	41.287	166.6	6876.4	.000
13800.0	1005.1	83.8	-.0598	-.7062	165771.	.0	166.0	5225.51	41.286	166.0	6851.5	.000
13700.0	1005.1	83.7	-.0586	-.6995	165171.	.0	165.4	5206.20	41.285	165.4	6826.5	.000
13600.0	1005.0	83.6	-.0575	-.6929	164568.	.0	164.7	5186.81	41.284	164.7	6801.5	.000
13500.0	1005.0	83.4	-.0563	-.6863	163964.	.0	164.1	5167.37	41.283	164.1	6776.3	.000
13400.0	1004.9	83.4	-.0552	-.6799	163357.	.0	163.5	5147.85	41.281	163.5	6751.1	.000
13300.0	1004.9	83.3	-.0541	-.6735	162749.	.0	162.9	5128.28	41.280	162.9	6725.8	.000
13200.0	1004.9	83.2	-.0530	-.6672	162137.	.0	162.3	5108.67	41.279	162.3	6700.3	.000
13100.0	1004.8	83.1	-.0520	-.6610	161524.	.0	161.7	5088.90	41.278	161.7	6674.7	.000
13000.0	1004.8	83.0	-.0509	-.6549	160907.	.0	161.1	5069.11	41.277	161.1	6649.1	.000
12900.0	1004.7	82.9	-.0499	-.6488	160289.	.0	160.4	5049.24	41.276	160.4	6623.4	.000
12800.0	1004.7	82.8	-.0489	-.6428	159668.	.0	159.8	5029.31	41.275	159.8	6597.6	.000
12700.0	1004.6	82.7	-.0479	-.6369	159047.	.0	159.2	5009.30	41.274	159.2	6571.6	.000
12600.0	1004.6	82.6	-.0470	-.6310	158419.	.0	158.6	4989.20	41.273	158.6	6545.6	.000
12500.0	1004.5	82.5	-.0461	-.6252	157791.	.0	158.0	4969.04	41.272	158.0	6519.5	.000
12400.0	1004.5	82.4	-.0451	-.6194	157160.	.0	157.3	4948.80	41.270	157.3	6493.2	.000
12300.0	1004.5	82.3	-.0443	-.6138	156527.	.0	156.7	4928.48	41.269	156.7	6466.9	.000
12200.0	1004.4	82.2	-.0434	-.6081	155891.	.0	156.1	4908.09	41.268	156.1	6440.5	.000
12100.0	1004.4	82.1	-.0425	-.6027	155252.	.0	155.4	4887.61	41.267	155.4	6413.9	.000

TABLE 1: SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 290 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHF M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
12000.0	1004.3	82.0	-.0416	-.5972	156511.	.0	154.8	4867.05	41.266	154.8	6317.3	.000
11900.0	1004.2	81.9	-.0408	-.5918	155969.	.0	154.1	4846.47	41.265	154.1	6290.5	.000
11800.0	1004.2	81.8	-.0400	-.5864	155427.	.0	153.5	4825.70	41.264	153.5	6263.6	.000
11700.0	1004.2	81.8	-.0392	-.5811	154886.	.0	152.8	4804.90	41.263	152.8	6236.8	.000
11600.0	1004.1	81.7	-.0384	-.5758	152019.	.0	152.2	4784.01	41.262	152.2	6279.5	.000
11500.0	1004.1	81.6	-.0376	-.5705	151364.	.0	151.5	4763.04	41.261	151.5	6252.3	.000
11400.0	1004.1	81.5	-.0368	-.5654	150705.	.0	150.9	4741.96	41.260	150.9	6224.9	.000
11300.0	1004.1	81.4	-.0361	-.5603	150043.	.0	150.2	4720.82	41.259	150.2	6197.5	.000
11200.0	1004.0	81.3	-.0354	-.5552	149381.	.0	149.5	4699.58	41.257	149.5	6169.9	.000
11100.0	1003.9	81.2	-.0346	-.5502	148714.	.0	148.9	4678.26	41.256	148.9	6142.2	.000
11000.0	1003.9	81.1	-.0339	-.5452	148044.	.0	148.2	4656.83	41.255	148.2	6114.4	.000
10900.0	1003.8	81.0	-.0332	-.5402	147371.	.0	147.5	4635.31	41.254	147.5	6086.4	.000
10800.0	1003.8	80.9	-.0325	-.5354	146694.	.0	146.9	4613.70	41.253	146.9	6058.3	.000
10700.0	1003.7	80.8	-.0319	-.5305	146016.	.0	146.2	4592.01	41.252	146.2	6030.1	.000
10600.0	1003.7	80.7	-.0312	-.5257	145334.	.0	145.5	4570.20	41.251	145.4	6001.8	.000
10500.0	1003.6	80.6	-.0306	-.5209	144648.	.0	144.8	4548.30	41.250	144.8	5973.3	.000
10400.0	1003.6	80.5	-.0299	-.5162	143957.	.0	144.1	4526.29	41.249	144.1	5944.7	.000
10300.0	1003.6	80.4	-.0293	-.5115	143263.	.0	143.4	4504.20	41.248	143.4	5916.0	.000
10200.0	1003.5	80.3	-.0287	-.5068	142567.	.0	142.7	4481.99	41.247	142.7	5887.1	.000
10100.0	1003.5	80.2	-.0281	-.5022	141872.	.0	142.0	4459.67	41.246	142.0	5858.1	.000
10000.0	1003.4	80.2	-.0275	-.4976	141169.	.0	141.3	4437.26	41.245	141.3	5828.9	.000
9900.0	1003.4	80.1	-.0269	-.4930	140463.	.0	140.6	4414.74	41.243	140.6	5799.6	.000
9800.0	1003.3	80.0	-.0263	-.4885	139753.	.0	139.9	4392.09	41.242	139.9	5770.1	.000
9700.0	1003.3	79.9	-.0258	-.4840	139040.	.0	139.2	4369.35	41.241	139.2	5740.5	.000
9600.0	1003.2	79.8	-.0252	-.4795	138323.	.0	138.5	4346.49	41.240	138.5	5710.8	.000
9500.0	1003.2	79.7	-.0247	-.4751	137602.	.0	137.8	4323.52	41.239	137.8	5680.9	.000
9400.0	1003.1	79.6	-.0241	-.4707	136877.	.0	137.0	4300.43	41.237	137.0	5650.8	.000
9300.0	1003.1	79.5	-.0236	-.4664	136148.	.0	136.3	4277.23	41.236	136.3	5620.6	.000
9200.0	1003.1	79.4	-.0231	-.4620	135416.	.0	135.6	4253.89	41.234	135.6	5590.2	.000
9100.0	1003.0	79.3	-.0226	-.4577	134679.	.0	134.8	4230.44	41.233	134.8	5559.7	.000
9000.0	1003.0	79.2	-.0221	-.4534	133938.	.0	134.1	4206.86	41.234	134.1	5529.0	.000
8900.0	1002.9	79.1	-.0216	-.4492	133193.	.0	133.3	4183.15	41.233	133.3	5498.0	.000
8800.0	1002.9	79.0	-.0211	-.4450	132444.	.0	132.6	4159.33	41.232	132.6	5467.0	.000
8700.0	1002.8	78.9	-.0206	-.4408	131691.	.0	131.8	4135.37	41.230	131.8	5435.8	.000
8600.0	1002.8	78.8	-.0201	-.4366	130933.	.0	131.1	4111.27	41.230	131.1	5404.3	.000
8500.0	1002.7	78.7	-.0197	-.4324	130171.	.0	130.3	4087.03	41.229	130.3	5372.7	.000
8400.0	1002.7	78.6	-.0192	-.4283	129405.	.0	129.5	4062.67	41.228	129.5	5341.0	.000
8300.0	1002.7	78.5	-.0188	-.4242	128633.	.0	128.8	4038.15	41.226	128.8	5309.0	.000
8200.0	1002.6	78.5	-.0183	-.4201	127857.	.0	128.0	4013.49	41.225	128.0	5276.8	.000
8100.0	1002.6	78.4	-.0178	-.4160	127076.	.0	127.2	3988.69	41.224	127.2	5244.5	.000
8000.0	1002.5	78.3	-.0175	-.4120	126291.	.0	126.4	3963.75	41.223	126.4	5211.9	.000
7900.0	1002.5	78.2	-.0170	-.4079	125500.	.0	125.6	3938.65	41.222	125.6	5179.2	.000
7800.0	1002.4	78.1	-.0166	-.4039	124704.	.0	124.8	3913.39	41.221	124.8	5146.2	.000
7700.0	1002.4	78.0	-.0162	-.4000	123904.	.0	124.0	3887.97	41.220	124.0	5113.0	.000
7600.0	1002.3	77.9	-.0158	-.3960	123098.	.0	123.2	3862.40	41.219	123.2	5079.6	.000
7500.0	1002.3	77.8	-.0154	-.3920	122286.	.0	122.4	3836.67	41.218	122.4	5046.0	.000
7400.0	1002.2	77.7	-.0149	-.3881	121470.	.0	121.6	3810.77	41.217	121.6	5012.2	.000
7300.0	1002.2	77.6	-.0147	-.3842	120647.	.0	120.8	3784.69	41.216	120.8	4978.1	.000
7200.0	1002.2	77.5	-.0143	-.3803	119819.	.0	120.0	3758.44	41.214	120.1	4943.8	.000
7100.0	1002.1	77.4	-.0139	-.3764	118985.	.0	119.1	3732.01	41.213	119.1	4909.3	.000
7000.0	1002.1	77.3	-.0136	-.3725	118145.	.0	118.3	3705.40	41.213	118.3	4874.5	.000
6900.0	1002.0	77.2	-.0132	-.3686	117300.	.0	117.4	3678.61	41.212	117.4	4839.5	.000
6800.0	1002.0	77.1	-.0129	-.3648	116449.	.0	116.6	3651.63	41.211	116.6	4804.2	.000
6700.0	1001.9	77.0	-.0125	-.3610	115593.	.0	115.7	3624.45	41.210	115.7	4768.7	.000
6600.0	1001.9	76.9	-.0122	-.3571	114724.	.0	114.9	3597.07	41.208	114.9	4732.9	.000
6500.0	1001.9	76.8	-.0119	-.3533	113853.	.0	114.0	3569.49	41.208	114.0	4696.9	.000
6400.0	1001.8	76.7	-.0116	-.3495	112975.	.0	113.2	3541.70	41.207	113.2	4660.5	.000
6300.0	1001.8	76.7	-.0112	-.3457	112090.	.0	112.3	3513.70	41.206	112.3	4623.8	.000
6200.0	1001.7	76.6	-.0109	-.3419	111198.	.0	111.4	3485.48	41.204	111.3	4587.0	.000
6100.0	1001.7	76.5	-.0106	-.3382	110298.	.0	110.4	3457.04	41.203	110.4	4549.7	.000
6000.0	1001.6	76.4	-.0103	-.3344	109391.	.0	109.5	3428.37	41.202	109.5	4512.2	.000
5900.0	1001.6	76.3	-.0100	-.3306	108477.	.0	108.7	3399.45	41.201	108.7	4474.4	.000
5800.0	1001.5	76.2	-.0097	-.3269	107554.	.0	107.7	3370.32	41.199	107.7	4436.2	.000
5700.0	1001.5	76.1	-.0094	-.3231	106624.	.0	106.8	3340.93	41.198	106.8	4397.8	.000
5600.0	1001.4	76.0	-.0091	-.3194	105685.	.0	105.8	3311.29	41.198	105.8	4358.9	.000
5500.0	1001.4	75.9	-.0088	-.3157	104739.	.0	104.9	3281.38	41.197	104.9	4319.8	.000
5400.0	1001.3	75.8	-.0086	-.3119	103785.	.0	103.9	3251.20	41.196	103.9	4280.2	.000
5300.0	1001.3	75.7	-.0083	-.3082	102818.	.0	102.9	3220.74	41.195	102.9	4240.1	.000
5200.0	1001.2	75.6	-.0080	-.3045	101844.	.0	102.0	3190.00	41.194	102.0	4200.1	.000
5100.0	1001.2	75.5	-.0078	-.3007	100861.	.0	101.0	3158.98	41.193	101.0	4159.4	.000
5000.0	1001.1	75.4	-.0075	-.2970	99868.	.0	100.0	3127.67	41.192	100.0	4118.4	.000
4900.0	1001.1	75.3	-.0073	-.2933	98865.	.0	99.0	3096.04	41.191	99.0	4076.9	.000
4800.0	1001.0	75.2	-.0070	-.2896	97853.	.0	98.0	3064.09	41.190	98.0	4035.0	.000
4700.0	1001.0	75.1	-.0068	-.2858	96830.	.0	96.9	3031.81	41.188	96.9	3992.7	.000
4600.0	1001.0	75.0	-.0065	-.2821	95795.	.0	95.9	2999.19	41.188	95.9	3949.9	.000
4500.0	1000.9	75.0	-.0063	-.2783	94747.	.0	94.9	2966.21	41.187	94.9	3906.7	.000
4400.0	1000.9	74.9	-.0061	-.2746	93688.	.0	93.8	2932.86	41.186	93.8	3863.0	.000
4300.0	1000.8	74.8	-.0058	-.2709	92615.	.0	92.7	2899.13	41.184	92.7	3818.8	.000
4200.0	1000.7	74.7	-.0056	-.2670	91530.	.0	91.6	2865.00	41.183	91.6	3774.0	.000
4100.0	1000.7	74.6	-.0054	-.2633	90430.	.0	90.5	2830.49	41.183	90.5	3728.8	.000
4000.0	1000.7	74.5	-.0052	-.2595	89310.	.0	89.4	2795.67	41.182	89.4	3682.9	.000
3900.0	1000.6	74.4	-.0050	-.2557	88207.	.0	88.3	2760.52	41.181	88.3	3636.4	.000
3800.0	1000.6	74.3	-.0048	-.2519	87069.	.0	87.2	2724.99	41.180	87.2	3589.3	.000
3700.0	1000.5	74.2	-.0046	-.2480	85916.	.0	86.0	2688.76	41.179	86.0	3541.7	.000
3600.0	1000.5	74.1	-.0044	-.2442	84748.	.0	84.8	2651.71	41.178	84.9	3493.7	.000
3500.0	1000.5	74.0	-.0042	-.2403	83553.	.0	83.7	2614.25	41.177	83.7	3444.7	.000
3400.0	1000.4	73.9	-.0040	-.2364	82361.	.0	82.5	2576.46	41.176	82.5	3395.1	.000
3300.0	1000.4	73.8	-.0038	-.2325	81141.	.0	81.2	2538.32	41.175	81.2	3344.9	.000
3200.0	1000.3	73.7	-.0037	-.2284	79902.	.0	80.0	2499.80	41.174	80.0	3293.6	.000
3130.0	1000.3	73.6	-.0035	-.2247	78684.	.0	78.9	2459.67	41.171	78.9	3241.6	.000
3000.0	1000.2	73.5	-.0033	-.2207	77365.	.0	77.5	2419.51	41.172	77.5	3188.8	.000
2900.0	1000.2	73.4	-.0031	-.2167	76065.	.0	76.2	2378.53	41.171	76.2	3135.2	.000
2800.0	1000.2	73.3	-.0030	-.2126	74742.	.0	74.9	2337.13	41.170	74.9	3080.6	.000
2700.0	1000.1	73.2	-.0028	-.2085	73304.	.0	73.5	2294.86	41.169	73.5	3025.4	.000
2600.0	1000.1	73.2	-.0027	-.2044	72023.	.0	72.1	2251.80	41.168	72.1	2968.4	.000
2500.0	1000.0	73.1	-.0025	-.2002	70674.	.0	70.7	2207.91	41.167	70.7	2910.6	.000
2400.0	1000.0	73.0	-.0024	-.1960	69197.	.0	69.3	2163.14	41.166	69.3	2851.7	.000
2300.0	999.9	72.9	-.0022	-.1917	67739.	.0	67.8	2117.43	41.165	67.8	2791.5	.000
2200.0	999.9	72.9	-.0021	-.1874	66250.	.0	66.3	2070.73	41.164	66.3	2730.2	.000
2100.0	999.8	72.8	-.0019	-.1829	64775.	.0	64.8	2023.96	41.163	64.8	2667.3	.000

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 270 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
2000.0	999.8	72.6	+.0018	-.1785	83165.	.0	63.2	1974.03	41.162	63.2	2402.9	.000
1900.0	999.7	72.4	+.0017	-.1739	81566.	.0	62.0	1937.45	41.161	62.0	2354.0	.000
1800.0	999.7	72.3	+.0016	-.1693	80027.	.0	60.8	1897.45	41.160	60.8	2305.2	.000
1700.0	999.7	72.3	+.0014	-.1645	78233.	.0	59.3	1849.55	41.159	59.3	2249.5	.000
1600.0	999.6	72.2	+.0013	-.1597	76493.	.0	58.0	1755.02	41.158	58.0	2327.7	.000
1500.0	999.6	72.1	+.0012	-.1547	74697.	.0	56.8	1708.81	41.157	56.8	2253.7	.000
1400.0	999.6	72.0	+.0011	-.1496	72841.	.0	55.5	1660.70	41.156	55.5	2177.2	.000
1300.0	999.5	71.9	+.0010	-.1445	70981.	.0	54.2	1610.47	41.155	54.2	2097.8	.000
1200.0	999.4	71.8	+.0009	-.1392	69091.	.0	52.9	1557.90	41.154	52.9	2015.4	.000
1100.0	999.4	71.7	+.0008	-.1332	66831.	.0	46.9	1462.66	41.153	46.9	1996.4	.000
1000.0	999.3	71.6	+.0007	-.1274	64548.	.0	44.7	1394.39	41.152	44.7	1839.4	.000
900.0	999.2	71.5	+.0006	-.1216	62253.	.0	42.4	1322.67	41.151	42.4	1744.8	.000
800.0	999.2	71.4	+.0005	-.1147	59226.	.0	40.0	1246.74	41.150	40.0	1644.8	.000
700.0	999.1	71.3	+.0004	-.1077	57141.	.0	37.4	1165.95	41.149	37.4	1538.3	.000
600.0	999.1	71.3	+.0003	-.1003	54564.	.0	34.6	1079.15	41.148	34.6	1423.8	.000
500.0	999.1	71.2	+.0002	-.0921	51542.	.0	31.6	984.75	41.147	31.6	1299.3	.000
400.0	999.1	71.2	+.0001	-.0830	48190.	.0	28.2	880.31	41.146	28.2	1161.6	.000
300.0	999.0	71.0	+.0001	-.0726	44402.	.0	24.4	761.72	41.145	24.4	1005.2	.000
200.0	999.0	70.9	+.0000	-.0598	39693.	.0	19.9	620.90	41.144	19.9	819.4	.000
100.0	998.9	70.8	+.0000	-.0423	33998.	.0	14.0	436.89	41.143	14.0	576.6	.000

TABLE 3. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 300 K)

PO KPA	PO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
22170.0	1006.3	132.7	*******	********	209471.	.1	210.2	3857.43	34.201	210.2	7197.5	.000
22100.0	1006.3	132.7	-4.3130	-14.6423	209377.	.1	210.1	3855.60	34.200	210.1	7194.2	.000
22000.0	1006.2	132.6	-1.5979	-5.9562	208904.	.1	209.6	3846.47	34.199	209.6	7167.7	.000
21900.0	1006.2	132.5	-1.1797	-4.4417	208431.	.1	209.1	3837.36	34.198	209.1	7151.2	.000
21800.0	1006.1	132.4	-.9126	-3.7746	207957.	.1	208.6	3826.17	34.196	208.6	7134.6	.000
21700.0	1006.1	132.3	-.7402	-3.3448	207482.	.1	208.2	3819.00	34.195	208.2	7118.0	.000
21600.0	1006.0	132.2	-.6884	-3.0415	207005.	.1	207.7	3809.80	34.194	207.7	7101.4	.000
21500.0	1006.0	132.1	-.6198	-2.8133	206527.	.1	207.2	3800.58	34.192	207.2	7084.7	.000
21400.0	1005.9	132.0	-.5660	-2.6329	206049.	.1	206.7	3791.35	34.191	206.7	7068.0	.000
21300.0	1005.9	131.9	-.5223	-2.4852	205569.	.1	206.2	3780.10	34.190	206.2	7051.3	.000
21200.0	1005.9	131.9	-.4858	-2.3611	205087.	.1	205.8	3772.82	34.188	205.8	7034.5	.000
21100.0	1005.8	131.8	-.4548	-2.2548	204605.	.1	205.3	3763.53	34.187	205.3	7017.7	.000
21000.0	1005.8	131.7	-.4278	-2.1616	204122.	.1	204.8	3754.22	34.186	204.8	7000.9	.000
20900.0	1005.8	131.6	-.4042	-2.0796	203637.	.1	204.3	3744.89	34.184	204.3	6984.0	.000
20800.0	1005.7	131.5	-.3832	-2.0062	203152.	.1	203.8	3735.54	34.183	203.8	6967.1	.000
20700.0	1005.7	131.4	-.3645	-1.9400	202666.	.1	203.3	3726.18	34.182	203.3	6950.1	.000
20600.0	1005.6	131.3	-.3475	-1.8796	202177.	.1	202.8	3716.79	34.180	202.9	6933.1	.000
20500.0	1005.6	131.2	-.3321	-1.8247	201687.	.1	202.3	3707.38	34.179	202.3	6916.0	.000
20400.0	1005.5	131.1	-.3180	-1.7740	201197.	.1	201.9	3697.95	34.178	201.9	6899.0	.000
20300.0	1005.5	131.0	-.3050	-1.7269	200705.	.1	201.4	3688.50	34.176	201.4	6881.8	.000
20200.0	1005.4	130.9	-.2930	-1.6832	200212.	.1	200.9	3679.03	34.175	200.9	6864.7	.000
20100.0	1005.4	130.9	-.2819	-1.6423	199718.	.1	200.4	3669.54	34.174	200.4	6847.5	.000
20000.0	1005.4	130.8	-.2715	-1.6040	199223.	.1	199.9	3660.03	34.172	199.9	6830.2	.000
19900.0	1005.3	130.7	-.2618	-1.5679	198726.	.1	199.4	3650.50	34.171	199.4	6813.0	.000
19800.0	1005.3	130.6	-.2527	-1.5338	198228.	.1	198.9	3640.94	34.170	198.9	6795.6	.000
19700.0	1005.2	130.5	-.2442	-1.5015	197729.	.1	198.4	3631.38	34.167	198.4	6778.2	.000
19600.0	1005.2	130.4	-.2361	-1.4709	197228.	.1	197.9	3621.78	34.167	197.9	6760.8	.000
19500.0	1005.2	130.3	-.2285	-1.4419	196726.	.1	197.4	3612.16	34.166	197.4	6743.3	.000
19400.0	1005.1	130.3	-.2213	-1.4141	196223.	.1	196.9	3602.52	34.164	196.9	6725.8	.000
19300.0	1005.1	130.2	-.2145	-1.3876	195719.	.1	196.4	3592.86	34.163	196.4	6708.3	.000
19200.0	1005.0	130.0	-.2080	-1.3623	195213.	.1	195.9	3583.18	34.162	195.9	6690.7	.000
19100.0	1005.0	130.0	-.2018	-1.3380	194706.	.1	195.3	3573.48	34.160	195.3	6673.0	.000
19000.0	1004.9	129.9	-.1960	-1.3148	194197.	.1	194.8	3563.75	34.159	194.8	6655.4	.000
18900.0	1004.9	129.8	-.1903	-1.2924	193688.	.1	194.3	3554.00	34.158	194.3	6637.6	.000
18800.0	1004.9	129.7	-.1849	-1.2709	193176.	.1	193.8	3544.22	34.156	193.8	6619.9	.000
18700.0	1004.8	129.6	-.1798	-1.2507	192664.	.1	193.3	3534.43	34.155	193.3	6602.0	.000
18600.0	1004.8	129.5	-.1749	-1.2303	192150.	.1	192.8	3524.61	34.154	192.8	6584.2	.000
18500.0	1004.7	129.4	-.1702	-1.2110	191635.	.1	192.3	3514.77	34.152	192.3	6566.3	.000
18400.0	1004.7	129.3	-.1657	-1.1924	191118.	.1	191.7	3504.90	34.151	191.7	6548.3	.000
18300.0	1004.6	129.2	-.1613	-1.1745	190600.	.1	191.2	3495.02	34.150	191.2	6530.3	.000
18200.0	1004.6	129.1	-.1571	-1.1571	190080.	.1	190.7	3485.10	34.148	190.7	6512.3	.000
18100.0	1004.6	129.0	-.1531	-1.1403	189559.	.1	190.2	3475.16	34.147	190.2	6494.2	.000
18000.0	1004.5	129.0	-.1492	-1.1240	189036.	.1	189.7	3465.20	34.146	189.7	6476.0	.000
17900.0	1004.5	128.9	-.1455	-1.1082	188511.	.1	189.1	3455.20	34.144	189.1	6457.8	.000
17800.0	1004.4	128.8	-.1419	-1.0929	187987.	.1	188.6	3445.18	34.143	188.6	6439.5	.000
17700.0	1004.4	128.7	-.1384	-1.0780	187460.	.1	188.1	3435.13	34.142	188.1	6421.3	.000
17600.0	1004.3	128.6	-.1351	-1.0636	186932.	.1	187.5	3425.10	34.140	187.5	6402.9	.000
17500.0	1004.3	128.5	-.1318	-1.0496	186402.	.1	187.0	3415.01	34.139	187.0	6384.5	.000
17400.0	1004.2	128.4	-.1287	-1.0359	185870.	.1	186.5	3404.90	34.138	186.5	6366.1	.000
17300.0	1004.2	128.3	-.1257	-1.0227	185337.	.1	185.9	3394.76	34.136	185.9	6347.6	.000
17200.0	1004.2	128.2	-.1228	-1.0098	184802.	.1	185.4	3384.59	34.135	185.4	6329.0	.000
17100.0	1004.1	128.1	-.1199	-.9972	184266.	.1	184.9	3374.40	34.134	184.9	6310.4	.000
17000.0	1004.1	128.0	-.1172	-.9850	183729.	.1	184.3	3364.18	34.132	184.3	6291.8	.000
16900.0	1004.0	127.9	-.1145	-.9731	183189.	.1	183.8	3353.94	34.131	183.8	6273.0	.000
16800.0	1004.0	127.8	-.1120	-.9616	182648.	.1	183.3	3343.66	34.130	183.3	6254.3	.000
16700.0	1003.9	127.8	-.1095	-.9501	182106.	.1	182.7	3333.36	34.128	182.7	6235.4	.000
16600.0	1003.9	127.7	-.1070	-.9391	181562.	.1	182.2	3323.04	34.127	182.2	6216.6	.000
16500.0	1003.9	127.6	-.1047	-.9286	181015.	.1	181.6	3312.68	34.126	181.6	6197.7	.000
16400.0	1003.8	127.5	-.1025	-.9180	180468.	.1	181.1	3302.29	34.125	181.1	6178.7	.000
16300.0	1003.8	127.4	-.1003	-.9077	179918.	.1	180.5	3291.88	34.123	180.5	6159.6	.000
16200.0	1003.7	127.3	-.0981	-.8975	179368.	.1	180.0	3281.44	34.122	180.0	6140.5	.000
16100.0	1003.7	127.2	-.0960	-.8876	178815.	.1	179.4	3270.97	34.121	179.4	6121.4	.000
16000.0	1003.6	127.1	-.0940	-.8779	178261.	.1	178.8	3260.47	34.119	178.8	6102.2	.000
15900.0	1003.6	127.0	-.0920	-.8683	177704.	.1	178.3	3249.94	34.118	178.3	6082.9	.000
15800.0	1003.5	126.9	-.0900	-.8590	177146.	.1	177.7	3239.38	34.117	177.7	6063.6	.000
15700.0	1003.5	126.8	-.0881	-.8498	176586.	.1	177.2	3228.79	34.115	177.2	6044.2	.000
15600.0	1003.5	126.8	-.0863	-.8408	176025.	.1	176.6	3218.16	34.114	176.6	6024.7	.000
15500.0	1003.4	126.7	-.0845	-.8319	175462.	.1	176.0	3207.51	34.113	176.0	6005.2	.000
15400.0	1003.4	126.6	-.0828	-.8232	174896.	.1	175.5	3196.83	34.111	175.5	5985.6	.000
15300.0	1003.3	126.5	-.0810	-.8147	174329.	.1	174.9	3186.11	34.110	174.9	5966.0	.000
15200.0	1003.3	126.4	-.0794	-.8063	173760.	.1	174.3	3175.37	34.107	174.3	5946.3	.000
15100.0	1003.3	126.3	-.0777	-.7980	173190.	.1	173.8	3164.59	34.107	173.8	5926.6	.000
15000.0	1003.2	126.2	-.0761	-.7899	172617.	.1	173.2	3153.77	34.106	173.2	5906.7	.000
14900.0	1003.2	126.1	-.0746	-.7819	172042.	.1	172.6	3142.93	34.105	172.6	5886.8	.000
14800.0	1003.1	126.0	-.0731	-.7740	171466.	.1	172.0	3132.05	34.103	172.0	5866.9	.000
14700.0	1003.1	125.9	-.0716	-.7663	170887.	.1	171.5	3121.14	34.102	171.5	5846.9	.000
14600.0	1003.0	125.9	-.0701	-.7587	170306.	.1	170.9	3110.19	34.101	170.9	5826.8	.000
14500.0	1003.0	125.8	-.0687	-.7512	169724.	.1	170.3	3099.22	34.099	170.3	5806.6	.000
14400.0	1002.9	125.7	-.0673	-.7438	169139.	.1	169.7	3088.20	34.098	169.7	5786.4	.000
14300.0	1002.9	125.6	-.0660	-.7365	168552.	.1	169.1	3077.15	34.097	169.1	5766.1	.000
14200.0	1002.9	125.5	-.0646	-.7294	167964.	.1	168.5	3066.07	34.094	168.5	5745.8	.000
14100.0	1002.8	125.4	-.0633	-.7223	167373.	.1	167.9	3054.95	34.094	167.9	5725.3	.000
14000.0	1002.8	125.3	-.0621	-.7153	166780.	.1	167.3	3043.79	34.093	167.3	5704.8	.000
13900.0	1002.7	125.2	-.0608	-.7085	166183.	.1	166.7	3032.59	34.092	166.7	5684.2	.000
13800.0	1002.7	125.1	-.0596	-.7017	165584.	.1	166.1	3021.37	34.090	166.1	5663.6	.000
13700.0	1002.7	125.0	-.0584	-.6950	164983.	.1	165.5	3010.11	34.088	165.5	5642.9	.000
13600.0	1002.6	124.9	-.0572	-.6884	164378.	.1	164.9	2998.80	34.088	164.9	5622.1	.000
13500.0	1002.6	124.9	-.0561	-.6819	163782.	.1	164.3	2987.46	34.086	164.3	5601.2	.000
13400.0	1002.5	124.8	-.0550	-.6755	163176.	.1	163.7	2976.07	34.085	163.7	5580.3	.000
13300.0	1002.5	124.7	-.0539	-.6692	162568.	.1	163.1	2964.65	34.084	163.1	5559.3	.000
13200.0	1002.4	124.6	-.0528	-.6629	161957.	.1	162.5	2953.19	34.082	162.5	5538.2	.000
13100.0	1002.4	124.5	-.0517	-.6567	161344.	.1	161.9	2941.69	34.081	161.9	5517.0	.000
13000.0	1002.3	124.4	-.0507	-.6505	160728.	.1	161.3	2930.15	34.080	161.3	5495.8	.000
12900.0	1002.3	124.3	-.0497	-.6445	160110.	.1	160.6	2918.57	34.079	160.6	5474.4	.000
12800.0	1002.2	124.2	-.0487	-.6385	159490.	.1	160.0	2906.94	34.077	160.0	5453.0	.000
12700.0	1002.2	124.1	-.0477	-.6326	158867.	.1	159.4	2895.28	34.076	159.4	5431.5	.000
12600.0	1002.2	124.0	-.0468	-.6268	158242.	.1	158.8	2883.57	34.075	158.8	5409.9	.000
12500.0	1002.1	123.9	-.0458	-.6210	157614.	.1	158.1	2871.82	34.073	158.1	5388.3	.000
12400.0	1002.1	123.9	-.0449	-.6153	156984.	.1	157.5	2860.03	34.072	157.5	5366.6	.000
12300.0	1002.0	123.8	-.0440	-.6097	156351.	.1	156.9	2848.19	34.071	156.9	5344.9	.000
12200.0	1002.0	123.7	-.0431	-.6041	155716.	.1	156.3	2836.30	34.069	156.3	5323.1	.000
12100.0	1002.0	123.6	-.0423	-.5985	155078.	.1	155.6	2824.37	34.068	155.6	5301.3	.000

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 300 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
12000.0	1001.9	123.5	-.0414	-.5931	154437.	.1	155.0	2812.40	34.067	155.0	5278.7	.000
11900.0	1001.9	123.4	-.0406	-.5877	153794.	.1	154.3	2800.37	34.066	154.3	5256.5	.000
11800.0	1001.8	123.3	-.0398	-.5823	153148.	.1	153.7	2788.31	34.064	153.7	5234.2	.000
11700.0	1001.8	123.2	-.0390	-.5770	152499.	.1	153.0	2776.19	34.063	153.0	5211.8	.000
11600.0	1001.7	123.1	-.0382	-.5715	151847.	.1	152.4	2764.03	34.062	152.4	5189.4	.000
11500.0	1001.7	123.0	-.0374	-.5666	151193.	.1	151.7	2751.81	34.060	151.7	5166.8	.000
11400.0	1001.7	122.9	-.0367	-.5614	150535.	.1	151.0	2739.54	34.059	151.0	5144.1	.000
11300.0	1001.6	122.9	-.0359	-.5563	149875.	.1	150.4	2727.24	34.058	150.4	5121.4	.000
11200.0	1001.6	122.8	-.0352	-.5512	149212.	.1	149.7	2714.88	34.056	149.7	5098.5	.000
11100.0	1001.5	122.7	-.0345	-.5462	148548.	.1	149.0	2702.46	34.055	149.0	5075.5	.000
11000.0	1001.5	122.6	-.0338	-.5413	147876.	.1	148.4	2689.99	34.054	148.4	5052.5	.000
10900.0	1001.4	122.5	-.0331	-.5363	147204.	.1	147.7	2677.47	34.053	147.7	5029.3	.000
10800.0	1001.4	122.4	-.0324	-.5315	146528.	.1	147.0	2664.89	34.051	147.0	5006.1	.000
10700.0	1001.3	122.3	-.0317	-.5266	145849.	.1	146.3	2652.26	34.050	146.3	4982.7	.000
10600.0	1001.3	122.2	-.0311	-.5218	145168.	.1	145.7	2639.58	34.049	145.7	4959.2	.000
10500.0	1001.3	122.1	-.0304	-.5171	144483.	.1	145.0	2626.84	34.047	145.0	4935.6	.000
10400.0	1001.2	122.0	-.0298	-.5123	143794.	.1	144.3	2614.04	34.046	144.3	4911.9	.000
10300.0	1001.2	121.9	-.0292	-.5077	143103.	.1	143.6	2601.18	34.045	143.6	4888.1	.000
10200.0	1001.1	121.8	-.0285	-.5030	142407.	.1	142.9	2588.27	34.043	142.9	4864.1	.000
10100.0	1001.1	121.8	-.0279	-.4984	141709.	.1	142.2	2575.29	34.042	142.2	4840.2	.000
10000.0	1001.0	121.7	-.0273	-.4938	141007.	.1	141.5	2562.26	34.041	141.5	4816.0	.000
9900.0	1001.0	121.6	-.0268	-.4893	140301.	.1	140.8	2549.16	34.040	140.8	4791.7	.000
9800.0	1001.0	121.5	-.0262	-.4848	139592.	.1	140.1	2536.00	34.038	140.	4767.3	.000
9700.0	1000.9	121.4	-.0256	-.4803	138879.	.1	139.4	2522.78	34.037	139.3	4742.8	.000
9600.0	1000.9	121.3	-.0251	-.4759	138163.	.1	138.6	2509.49	34.036	138.6	4718.2	.000
9500.0	1000.8	121.2	-.0245	-.4715	137443.	.1	137.9	2496.14	34.034	137.9	4693.4	.000
9400.0	1000.8	121.1	-.0240	-.4671	136718.	.1	137.2	2482.72	34.033	137.2	4668.5	.000
9300.0	1000.7	121.0	-.0235	-.4627	135991.	.1	136.4	2469.24	34.032	136.4	4643.4	.000
9200.0	1000.7	120.9	-.0229	-.4584	135259.	.1	135.7	2455.68	34.031	135.7	4618.3	.000
9100.0	1000.6	120.8	-.0224	-.4541	134523.	.1	135.0	2442.05	34.029	135.0	4593.0	.000
9000.0	1000.6	120.8	-.0219	-.4498	133782.	.1	134.2	2428.36	34.028	134.2	4567.5	.000
8900.0	1000.5	120.7	-.0214	-.4456	133038.	.1	133.5	2414.59	34.027	133.5	4542.0	.000
8800.0	1000.5	120.6	-.0210	-.4414	132290.	.1	132.7	2400.76	34.025	132.7	4516.2	.000
8700.0	1000.5	120.5	-.0205	-.4372	131537.	.1	132.0	2386.83	34.024	132.0	4490.4	.000
8600.0	1000.4	120.4	-.0200	-.4330	130780.	.1	131.2	2372.83	34.023	131.2	4464.4	.000
8500.0	1000.4	120.3	-.0196	-.4289	130019.	.1	130.5	2358.76	34.021	130.5	4438.2	.000
8400.0	1000.3	120.2	-.0191	-.4248	129252.	.1	129.7	2344.61	34.020	129.7	4411.9	.000
8300.0	1000.3	120.2	-.0187	-.4207	128482.	.1	128.9	2330.38	34.019	128.9	4385.4	.000
8200.0	1000.2	120.1	-.0182	-.4166	127707.	.1	128.1	2316.07	34.018	128.1	4358.8	.000
8100.0	1000.2	120.0	-.0178	-.4125	126927.	.1	127.4	2301.68	34.016	127.4	4332.0	.000
8000.0	1000.2	119.8	-.0174	-.4085	126142.	.1	126.6	2287.20	34.015	126.6	4305.1	.000
7900.0	1000.1	119.7	-.0169	-.4045	125352.	.1	125.8	2272.63	34.014	125.8	4277.9	.000
7800.0	1000.1	119.7	-.0165	-.4005	124557.	.1	125.0	2257.98	34.012	125.0	4250.7	.000
7700.0	1000.0	119.6	-.0161	-.3965	123757.	.1	124.2	2243.23	34.011	124.2	4223.2	.000
7600.0	1000.0	119.5	-.0157	-.3926	122951.	.1	123.4	2228.40	34.010	123.4	4195.6	.000
7500.0	999.9	119.4	-.0153	-.3886	122141.	.1	122.5	2213.47	34.009	122.5	4167.7	.000
7400.0	999.9	119.3	-.0150	-.3847	121325.	.1	121.7	2198.44	34.007	121.7	4139.7	.000
7300.0	999.9	119.2	-.0146	-.3809	120503.	.1	120.9	2183.31	34.006	120.9	4111.6	.000
7200.0	999.8	119.1	-.0142	-.3769	119676.	.1	120.1	2168.09	34.005	120.1	4083.2	.000
7100.0	999.8	119.0	-.0138	-.3730	118843.	.1	119.2	2152.77	34.004	119.2	4054.6	.000
7000.0	999.7	118.9	-.0135	-.3692	118003.	.1	118.4	2137.36	34.002	118.4	4025.8	.000
6900.0	999.7	118.8	-.0131	-.3653	117158.	.1	117.6	2121.80	34.001	117.6	3996.8	.000
6800.0	999.6	118.7	-.0128	-.3615	116307.	.1	116.7	2106.16	34.000	116.7	3967.7	.000
6700.0	999.6	118.6	-.0124	-.3577	115450.	.1	115.8	2090.41	33.998	115.8	3938.3	.000
6600.0	999.5	118.6	-.0121	-.3539	114586.	.1	115.0	2074.54	33.997	115.0	3908.6	.000
6500.0	999.5	118.5	-.0118	-.3501	113715.	.1	114.1	2058.56	33.996	114.1	3878.8	.000
6400.0	999.4	118.4	-.0115	-.3463	112837.	.1	113.2	2042.46	33.995	113.2	3848.7	.000
6300.0	999.4	118.3	-.0111	-.3425	111953.	.1	112.3	2026.23	33.993	112.3	3818.4	.000
6200.0	999.4	118.2	-.0108	-.3387	111062.	.1	111.4	2009.90	33.992	111.4	3787.9	.000
6100.0	999.3	118.1	-.0105	-.3350	110163.	.1	110.5	1993.41	33.991	110.5	3757.1	.000
6000.0	999.3	118.0	-.0102	-.3312	109257.	.1	109.6	1976.80	33.989	109.6	3726.0	.000
5900.0	999.2	117.9	-.0099	-.3275	108343.	.1	108.7	1960.06	33.988	108.7	3694.8	.000
5800.0	999.2	117.8	-.0096	-.3237	107422.	.1	107.8	1943.18	33.987	107.8	3663.2	.000
5700.0	999.2	117.7	-.0093	-.3200	106492.	.1	106.8	1926.16	33.986	106.8	3631.4	.000
5600.0	999.1	117.6	-.0091	-.3162	105555.	.1	105.9	1909.00	33.984	105.9	3599.2	.000
5500.0	999.1	117.5	-.0088	-.3125	104608.	.1	105.0	1891.68	33.983	105.0	3566.9	.000
5400.0	999.0	117.5	-.0085	-.3088	103654.	.1	104.0	1874.21	33.982	104.0	3534.2	.000
5300.0	999.0	117.4	-.0082	-.3051	102690.	.1	103.0	1856.59	33.980	103.0	3501.2	.000
5200.0	998.9	117.3	-.0080	-.3014	101717.	.1	102.1	1838.80	33.979	102.1	3467.9	.000
5100.0	998.9	117.2	-.0077	-.2976	100735.	.1	101.1	1820.85	33.978	101.1	3434.3	.000
5000.0	998.8	117.1	-.0075	-.2939	99742.	.1	100.1	1802.72	33.977	100.1	3400.3	.000
4900.0	998.8	117.0	-.0072	-.2902	98740.	.1	99.1	1784.42	33.975	99.1	3366.0	.000
4800.0	998.8	116.9	-.0070	-.2865	97728.	.1	98.1	1765.94	33.974	98.1	3331.4	.000
4700.0	998.7	116.8	-.0067	-.2828	96705.	.1	97.0	1747.26	33.973	97.0	3296.4	.000
4600.0	998.7	116.7	-.0065	-.2790	95671.	.1	96.0	1728.40	33.972	96.0	3261.0	.000
4500.0	998.6	116.6	-.0063	-.2753	94625.	.1	94.9	1709.33	33.970	94.9	3225.3	.000
4400.0	998.6	116.5	-.0060	-.2716	93568.	.1	93.9	1690.05	33.969	93.9	3189.1	.000
4300.0	998.5	116.4	-.0058	-.2678	92499.	.1	92.8	1670.56	33.968	92.8	3152.6	.000
4200.0	998.5	116.4	-.0056	-.2641	91417.	.1	91.7	1650.84	33.966	91.7	3115.6	.000
4100.0	998.4	116.3	-.0054	-.2603	90322.	.1	90.6	1630.90	33.965	90.6	3078.1	.000
4000.0	998.4	116.2	-.0052	-.2565	89214.	.1	89.5	1610.72	33.964	89.5	3040.3	.000
3900.0	998.4	116.1	-.0050	-.2527	88093.	.1	88.4	1590.29	33.963	88.4	3002.0	.000
3800.0	998.3	116.0	-.0048	-.2489	86955.	.1	87.2	1569.60	33.961	87.2	2963.3	.000
3700.0	998.3	115.9	-.0046	-.2451	85803.	.1	86.1	1548.64	33.960	86.1	2923.9	.000
3600.0	998.2	115.8	-.0044	-.2413	84635.	.1	84.9	1527.40	33.959	84.9	2883.8	.000
3500.0	998.2	115.7	-.0042	-.2374	83451.	.1	83.7	1505.87	33.958	83.7	2843.4	.000
3400.0	998.1	115.6	-.0040	-.2336	82250.	.1	82.5	1484.04	33.956	82.5	2802.3	.000
3300.0	998.1	115.5	-.0038	-.2297	81031.	.1	81.3	1461.89	33.955	81.3	2760.7	.000
3200.0	998.0	115.4	-.0036	-.2258	79793.	.1	80.1	1439.41	33.954	80.1	2718.4	.000
3100.0	998.0	115.3	-.0034	-.2218	78536.	.1	78.8	1416.58	33.953	78.8	2675.4	.000
3000.0	998.0	115.3	-.0033	-.2178	77258.	.1	77.5	1393.38	33.951	77.5	2631.9	.000
2900.0	997.9	115.2	-.0031	-.2138	75959.	.1	76.2	1369.81	33.950	76.2	2587.5	.000
2800.0	997.9	115.1	-.0029	-.2098	74637.	.1	74.9	1345.87	33.949	74.9	2542.4	.000
2700.0	997.8	115.0	-.0027	-.2057	73291.	.1	73.5	1321.41	33.947	73.5	2496.4	.000
2600.0	997.8	114.9	-.0026	-.2016	71920.	.1	72.2	1296.56	33.946	72.2	2449.7	.000
2500.0	997.7	114.8	-.0025	-.1974	70522.	.1	70.8	1271.22	33.945	70.8	2402.0	.000
2400.0	997.7	114.7	-.0023	-.1932	69096.	.1	69.3	1245.38	33.944	69.3	2353.3	.000
2300.0	997.6	114.6	-.0022	-.1889	67640.	.1	67.9	1219.01	33.942	67.9	2303.6	.000
2200.0	997.6	114.5	-.0020	-.1846	66152.	.1	66.4	1192.06	33.941	66.4	2252.8	.000
2100.0	997.6	114.4	-.0019	-.1802	64629.	.1	64.8	1164.49	33.940	64.8	2200.9	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 300 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	HAVG	SLIP	VL M/S	VV M/S	XE
2000.0	997.5	114.3	-.0018	-.1758	63069.	.1	63.3	1136.27	33.939	63.3	2147.7	.000
1900.0	997.5	114.2	-.0016	-.1712	61470.	.1	61.7	1107.55	33.937	61.7	2093.2	.000
1800.0	997.4	114.2	-.0015	-.1666	59828.	.1	60.0	1077.65	33.936	60.0	2037.2	.000
1700.0	997.4	114.1	-.0014	-.1619	58140.	.1	58.3	1047.13	33.935	58.3	1979.6	.000
1600.0	997.3	114.0	-.0013	-.1570	56401.	.1	56.6	1015.70	33.934	56.6	1920.4	.000
1500.0	997.3	113.9	-.0012	-.1521	54607.	.1	54.8	983.29	33.932	54.8	1859.2	.000
1400.0	997.2	113.8	-.0010	-.1470	52751.	.1	52.9	949.97	33.931	52.9	1796.0	.000
1300.0	997.2	113.7	-.0009	-.1417	50828.	.1	51.0	915.05	33.930	51.1	1730.4	.000
1200.0	997.2	113.6	-.0008	-.1363	48829.	.1	49.0	878.97	33.928	49.0	1662.3	.000
1100.0	997.1	113.5	-.0007	-.1307	46744.	.1	46.9	841.35	33.927	46.9	1591.3	.000
1000.0	997.1	113.4	-.0006	-.1248	44562.	.1	44.7	801.99	33.926	44.7	1516.9	.000
900.0	997.0	113.3	-.0006	-.1186	42268.	.1	42.4	760.82	33.925	42.4	1438.8	.000
800.0	997.0	113.2	-.0005	-.1121	39841.	.1	40.0	716.87	33.923	40.0	1356.1	.000
700.0	996.9	113.1	-.0004	-.1052	37256.	.1	37.4	670.30	33.922	37.4	1268.1	.000
600.0	996.9	113.0	-.0003	-.0978	34478.	.1	34.6	620.25	33.921	34.6	1173.5	.000
500.0	996.8	113.0	-.0002	-.0897	31456.	.1	31.6	565.42	33.920	31.6	1070.6	.000
400.0	996.8	112.9	-.0002	-.0806	28110.	.1	28.2	505.59	33.918	28.2	956.7	.000
300.0	996.8	112.8	-.0001	-.0701	24308.	.1	24.4	437.16	33.917	24.4	827.3	.000
200.0	996.7	112.7	-.0001	-.0574	19749.	.1	19.9	355.44	33.916	19.9	673.4	.000
100.0	996.7	112.6	-.0000	-.0400	13867.	.1	13.9	249.32	33.915	13.9	471.9	.000

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 310 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AME M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
22170.0	1002.9	173.9	********	*********	2091444.	.1	210.5	2329.55	28.648	210.5	6029.9	.000
22100.0	1002.9	173.9	-4.3056	-14.5683	2090491.	.1	210.4	2328.43	28.648	210.4	6027.1	.000
22000.0	1002.9	173.8	-1.5847	-5.9245	2088578.	.1	209.9	2322.97	28.646	209.9	6013.2	.000
21900.0	1002.8	173.7	-1.1768	-4.4573	2086103.	.1	209.4	2317.30	28.645	209.4	5998.8	.000
21800.0	1002.8	173.6	-.9706	-3.7476	2083763.	.1	209.0	2311.77	28.644	209.0	5985.4	.000
21700.0	1002.7	173.6	-.7784	-3.0259	2081481.	.1	208.5	2306.14	28.642	208.5	5971.4	.000
21600.0	1002.7	173.5	-.6967	-2.9241	2066681.	.1	208.0	2300.91	28.641	208.0	5957.4	.000
21500.0	1002.7	173.4	-.6183	-2.7970	2066704.	.1	207.5	2294.89	28.640	207.5	5943.4	.000
21400.0	1002.6	173.3	-.5466	-2.6178	2052725.	.1	207.0	2289.76	28.638	207.0	5929.3	.000
21300.0	1002.6	173.2	-.5110	-2.4705	2052746.	.1	206.6	2283.69	28.637	206.6	5915.3	.000
21200.0	1002.5	173.1	-.4446	-2.3470	2047766.	.1	206.1	2277.67	28.635	206.1	5901.1	.000
21100.0	1002.5	173.0	-.4339	-2.2410	2042784.	.1	205.6	2272.31	28.634	205.6	5887.0	.000
21000.0	1002.4	172.9	-.4267	-2.1485	2038801.	.1	205.1	2266.64	28.633	205.1	5872.8	.000
20900.0	1002.4	172.8	-.4031	-2.0568	2033817.	.1	204.6	2260.95	28.631	204.6	5858.5	.000
20800.0	1002.4	172.8	-.3822	-1.9938	2028832.	.1	204.1	2255.25	28.630	204.1	5844.3	.000
20700.0	1002.3	172.7	-.3634	-1.9280	2023846.	.1	203.6	2249.54	28.629	203.6	5830.0	.000
20600.0	1002.3	172.6	-.3465	-1.8681	2018859.	.1	203.2	2243.83	28.627	203.2	5815.7	.000
20500.0	1002.2	172.5	-.3311	-1.8133	2013870.	.1	202.7	2238.09	28.626	202.7	5801.4	.000
20400.0	1002.2	172.4	-.3170	-1.7627	2008880.	.1	202.2	2232.35	28.625	202.2	5787.0	.000
20300.0	1002.2	172.3	-.3040	-1.7159	2003889.	.1	201.7	2226.59	28.623	201.7	5772.6	.000
20200.0	1002.1	172.2	-.2921	-1.6724	1998897.	.1	201.2	2220.83	28.622	201.2	5758.1	.000
20100.0	1002.1	172.1	-.2810	-1.6317	1994031.	.1	200.7	2215.04	28.621	200.7	5743.6	.000
20000.0	1002.0	172.1	-.2706	-1.5935	1989088.	.1	200.2	2209.25	28.619	200.2	5729.1	.000
19900.0	1002.0	172.0	-.2609	-1.5576	1984122.	.1	199.7	2203.45	28.618	199.7	5714.6	.000
19800.0	1001.9	171.9	-.2519	-1.5237	1979156.	.1	199.2	2197.63	28.616	199.2	5700.0	.000
19700.0	1001.9	171.8	-.2434	-1.4916	1974186.	.1	198.7	2191.80	28.615	198.7	5685.4	.000
19600.0	1001.9	171.7	-.2353	-1.4612	1969216.	.1	198.2	2185.96	28.614	198.2	5670.7	.000
19500.0	1001.8	171.6	-.2277	-1.4322	1964245.	.1	197.7	2180.10	28.612	197.7	5656.0	.000
19400.0	1001.8	171.5	-.2205	-1.4046	1959272.	.1	197.2	2174.23	28.611	197.2	5641.3	.000
19300.0	1001.7	171.4	-.2137	-1.3783	1954299.	.1	196.7	2168.35	28.610	196.7	5626.5	.000
19200.0	1001.7	171.3	-.2073	-1.3530	1949303.	.1	196.2	2162.46	28.608	196.2	5611.7	.000
19100.0	1001.6	171.3	-.2011	-1.3288	1944397.	.1	195.6	2156.55	28.607	195.6	5596.9	.000
19000.0	1001.6	171.2	-.1952	-1.3057	1938889.	.1	195.1	2150.63	28.606	195.1	5582.0	.000
18900.0	1001.6	171.1	-.1896	-1.2835	1933880.	.1	194.6	2144.69	28.604	194.6	5567.1	.000
18800.0	1001.5	171.0	-.1843	-1.2621	1928870.	.1	194.1	2138.75	28.603	194.1	5552.1	.000
18700.0	1001.5	170.9	-.1792	-1.2415	1923858.	.1	193.6	2132.78	28.602	193.6	5537.1	.000
18600.0	1001.4	170.8	-.1742	-1.2216	1918846.	.1	193.1	2126.81	28.600	193.1	5522.1	.000
18500.0	1001.4	170.7	-.1695	-1.2023	1913830.	.1	192.6	2120.82	28.599	192.6	5507.0	.000
18400.0	1001.4	170.6	-.1650	-1.1840	1908814.	.1	192.0	2114.82	28.598	192.0	5491.9	.000
18300.0	1001.3	170.5	-.1607	-1.1661	1903796.	.1	191.5	2108.80	28.596	191.5	5476.8	.000
18200.0	1001.3	170.5	-.1565	-1.1488	1898777.	.1	191.0	2102.76	28.595	191.0	5461.6	.000
18100.0	1001.2	170.4	-.1525	-1.1321	1892757.	.1	190.5	2096.72	28.593	190.5	5446.4	.000
18000.0	1001.2	170.3	-.1487	-1.1159	1887735.	.1	190.0	2090.66	28.592	190.0	5431.1	.000
17900.0	1001.1	170.2	-.1449	-1.1003	1882713.	.1	189.4	2084.58	28.591	189.4	5415.8	.000
17800.0	1001.1	170.1	-.1413	-1.0849	1876687.	.1	188.9	2078.48	28.589	188.9	5400.4	.000
17700.0	1001.1	170.0	-.1379	-1.0701	1871161.	.1	188.4	2072.39	28.588	188.4	5385.0	.000
17600.0	1001.0	169.9	-.1345	-1.0558	1866133.	.1	187.8	2066.27	28.587	187.8	5369.6	.000
17500.0	1001.0	169.8	-.1313	-1.0418	1861104.	.1	187.3	2060.13	28.585	187.3	5354.1	.000
17400.0	1000.9	169.8	-.1282	-1.0282	1855573.	.1	186.8	2053.98	28.584	186.8	5338.6	.000
17300.0	1000.9	169.7	-.1252	-1.0151	1850040.	.1	186.2	2047.81	28.583	186.2	5323.0	.000
17200.0	1000.8	169.6	-.1223	-1.0022	1844507.	.1	185.7	2041.63	28.581	185.7	5307.4	.000
17100.0	1000.8	169.5	-.1194	-.9897	1839971.	.1	185.2	2035.44	28.580	185.2	5291.8	.000
17000.0	1000.8	169.4	-.1167	-.9776	1834434.	.1	184.6	2029.23	28.579	184.6	5276.1	.000
16900.0	1000.7	169.3	-.1140	-.9657	1828895.	.1	184.1	2022.99	28.577	184.1	5260.4	.000
16800.0	1000.7	169.2	-.1115	-.9541	1823358.	.1	183.5	2016.75	28.576	183.5	5244.6	.000
16700.0	1000.6	169.1	-.1090	-.9428	1818813.	.1	183.0	2010.48	28.575	183.0	5228.7	.000
16600.0	1000.6	169.0	-.1066	-.9318	1812270.	.1	182.4	2004.21	28.573	182.4	5212.9	.000
16500.0	1000.5	169.0	-.1043	-.9214	1807724.	.1	181.9	1997.91	28.572	181.9	5197.0	.000
16400.0	1000.5	168.9	-.1020	-.9109	1801177.	.1	181.3	1991.60	28.571	181.3	5181.0	.000
16300.0	1000.4	168.8	-.0998	-.9006	1796629.	.1	180.8	1985.27	28.569	180.8	5164.9	.000
16200.0	1000.4	168.7	-.0977	-.8905	1790079.	.1	180.2	1978.92	28.568	180.2	5148.9	.000
16100.0	1000.4	168.6	-.0956	-.8806	1785527.	.1	179.7	1972.56	28.566	179.7	5132.9	.000
16000.0	1000.3	168.5	-.0935	-.8709	1779973.	.1	179.1	1966.18	28.565	179.1	5116.7	.000
15900.0	1000.3	168.4	-.0916	-.8614	1774417.	.1	178.6	1959.78	28.564	178.6	5100.4	.000
15800.0	1000.3	168.3	-.0896	-.8521	1768860.	.1	178.0	1953.37	28.562	178.0	5084.2	.000
15700.0	1000.2	168.2	-.0877	-.8430	1763301.	.1	177.4	1946.93	28.561	177.4	5067.9	.000
15600.0	1000.2	168.2	-.0859	-.8340	1757740.	.1	176.9	1940.48	28.560	176.9	5051.5	.000
15500.0	1000.1	168.1	-.0841	-.8252	1751177.	.1	176.3	1934.01	28.558	176.3	5035.1	.000
15400.0	1000.1	168.0	-.0824	-.8165	1746613.	.1	175.7	1927.53	28.557	175.7	5018.6	.000
15300.0	1000.0	167.9	-.0807	-.8080	1740047.	.1	175.2	1921.01	28.556	175.2	5002.2	.000
15200.0	1000.0	167.8	-.0790	-.7997	1733478.	.1	174.6	1914.48	28.554	174.6	4985.6	.000
15100.0	1000.0	167.7	-.0774	-.7915	1726908.	.1	174.0	1907.94	28.553	174.0	4969.0	.000
15000.0	999.9	167.6	-.0758	-.7834	1723336.	.1	173.5	1901.37	28.552	173.5	4952.3	.000
14900.0	999.9	167.5	-.0742	-.7754	1717762.	.1	172.9	1894.79	28.550	172.9	4935.6	.000
14800.0	999.8	167.4	-.0727	-.7676	1711187.	.1	172.3	1888.19	28.549	172.3	4918.8	.000
14700.0	999.8	167.4	-.0712	-.7599	1705609.	.1	171.7	1881.56	28.548	171.7	4902.0	.000
14600.0	999.7	167.3	-.0698	-.7523	1700029.	.1	171.1	1874.91	28.546	171.1	4885.1	.000
14500.0	999.7	167.2	-.0684	-.7449	1694447.	.1	170.5	1868.25	28.545	170.5	4868.2	.000
14400.0	999.7	167.1	-.0670	-.7375	1688863.	.1	170.0	1861.56	28.544	170.0	4851.2	.000
14300.0	999.6	167.0	-.0656	-.7303	1683277.	.1	169.4	1854.85	28.542	169.4	4834.1	.000
14200.0	999.6	166.9	-.0643	-.7231	1677689.	.1	168.8	1848.13	28.541	168.8	4817.0	.000
14100.0	999.5	166.8	-.0630	-.7161	1672099.	.1	168.2	1841.38	28.540	168.2	4799.8	.000
14000.0	999.5	166.7	-.0617	-.7092	1666507.	.1	167.6	1834.61	28.538	167.6	4782.6	.000
13900.0	999.4	166.7	-.0605	-.7023	1660913.	.1	167.0	1827.81	28.537	167.0	4765.3	.000
13800.0	999.4	166.6	-.0593	-.6956	1655316.	.1	166.4	1821.00	28.535	166.4	4748.0	.000
13700.0	999.4	166.5	-.0581	-.6889	1649717.	.1	165.8	1814.16	28.534	165.8	4730.5	.000
13600.0	999.3	166.4	-.0569	-.6824	1644117.	.1	165.2	1807.30	28.533	165.2	4713.1	.000
13500.0	999.3	166.3	-.0558	-.6759	1638514.	.1	164.6	1800.42	28.531	164.6	4695.5	.000
13400.0	999.2	166.2	-.0547	-.6695	1632908.	.1	164.0	1793.52	28.530	164.0	4677.9	.000
13300.0	999.2	166.1	-.0536	-.6632	1627300.	.1	163.4	1786.59	28.529	163.4	4660.3	.000
13200.0	999.1	166.0	-.0525	-.6569	1621691.	.1	162.7	1779.64	28.527	162.7	4642.5	.000
13100.0	999.1	165.9	-.0515	-.6508	1616078.	.1	162.1	1772.66	28.526	162.1	4624.7	.000
13000.0	999.1	165.9	-.0504	-.6447	1610464.	.1	161.5	1765.66	28.525	161.5	4606.9	.000
12900.0	999.0	165.8	-.0494	-.6387	1604847.	.1	160.9	1758.64	28.523	160.9	4589.0	.000
12800.0	999.0	165.7	-.0484	-.6327	1599227.	.1	160.3	1751.59	28.522	160.3	4571.0	.000
12700.0	998.9	165.6	-.0475	-.6268	1593605.	.1	159.6	1744.51	28.521	159.6	4552.9	.000
12600.0	998.9	165.5	-.0465	-.6210	1587981.	.1	159.0	1737.41	28.519	159.0	4534.8	.000
12500.0	998.8	165.4	-.0456	-.6153	1582354.	.1	158.4	1730.29	28.518	158.4	4516.6	.000
12400.0	998.8	165.3	-.0447	-.6096	1576725.	.1	157.7	1723.14	28.517	157.7	4498.3	.000
12300.0	998.8	165.2	-.0438	-.6040	1571093.	.1	157.1	1715.96	28.515	157.1	4479.9	.000
12200.0	998.7	165.1	-.0429	-.5984	1565458.	.1	156.5	1708.76	28.514	156.5	4461.4	.000
12100.0	998.7	165.1	-.0420	-.5929	1559821.	.1	155.8	1701.53	28.513	155.8	4443.0	.000

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 310 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHF M/S	VAVG M/S	HAVG	SLIP	VL M/S	VV M/S	XF
12000.0	998.6	165.0	-.0412	-.5875	154181.	.1	155.2	1694.27	28.511	155.2	4424.5	.000
11900.0	998.6	164.9	-.0409	-.5821	153536.	.1	154.5	1686.98	28.510	154.5	4403.9	.000
11800.0	998.5	164.8	-.0399	-.5768	152893.	.1	153.9	1679.67	28.509	153.9	4387.1	.000
11700.0	998.5	164.7	-.0387	-.5715	152245.	.1	153.2	1672.33	28.507	153.2	4366.3	.000
11600.0	998.5	164.6	-.0380	-.5662	151594.	.1	152.6	1664.96	28.506	152.6	4349.4	.000
11500.0	998.4	164.5	-.0372	-.5611	150941.	.1	151.9	1657.56	28.505	151.9	4330.5	.000
11400.0	998.4	164.4	-.0367	-.5560	150284.	.1	151.3	1650.13	28.503	151.3	4314.4	.000
11300.0	998.3	164.3	-.0359	-.5509	149625.	.1	150.6	1642.67	28.502	150.6	4295.3	.000
11200.0	998.3	164.3	-.0350	-.5458	148963.	.1	149.9	1635.18	28.501	149.9	4271.1	.000
11100.0	998.2	164.2	-.0342	-.5408	148297.	.1	149.3	1627.66	28.499	149.3	4253.8	.000
11000.0	998.2	164.1	-.0335	-.5359	147628.	.1	148.6	1620.10	28.498	148.6	4234.5	.000
10900.0	998.2	164.0	-.0328	-.5310	146957.	.1	147.9	1612.51	28.497	147.9	4215.0	.000
10800.0	998.1	163.9	-.0322	-.5263	146282.	.1	147.2	1604.90	28.495	147.2	4198.9	.000
10700.0	998.1	163.8	-.0314	-.5215	145605.	.1	146.6	1597.26	28.494	146.6	4178.9	.000
10600.0	998.0	163.7	-.0308	-.5165	144924.	.1	145.9	1589.57	28.492	145.9	4156.1	.000
10500.0	998.0	163.6	-.0302	-.5118	144240.	.1	145.2	1581.86	28.491	145.2	4136.3	.000
10400.0	997.9	163.5	-.0296	-.5071	143552.	.1	144.5	1574.11	28.490	144.5	4116.4	.000
10300.0	997.9	163.5	-.0289	-.5024	142861.	.1	143.8	1566.33	28.488	143.8	4096.4	.000
10200.0	997.9	163.4	-.0283	-.4978	142169.	.1	143.1	1558.51	28.487	143.1	4076.3	.000
10100.0	997.8	163.3	-.0277	-.4932	141470.	.1	142.4	1550.66	28.486	142.4	4056.1	.000
10000.0	997.8	163.2	-.0271	-.4887	140768.	.1	141.7	1542.76	28.484	141.7	4035.8	.000
9900.0	997.7	163.1	-.0266	-.4843	140064.	.1	141.0	1534.84	28.483	141.0	4015.5	.000
9800.0	997.7	163.0	-.0260	-.4797	139356.	.1	140.3	1526.87	28.482	140.3	3995.0	.000
9700.0	997.6	162.9	-.0254	-.4752	138644.	.1	139.5	1518.87	28.480	139.5	3974.4	.000
9600.0	997.6	162.8	-.0249	-.4708	137928.	.1	138.8	1510.83	28.479	138.8	3953.7	.000
9500.0	997.6	162.7	-.0243	-.4664	137209.	.1	138.1	1502.75	28.478	138.1	3932.9	.000
9400.0	997.5	162.7	-.0238	-.4620	136486.	.1	137.4	1494.63	28.476	137.4	3912.0	.000
9300.0	997.5	162.6	-.0233	-.4577	135759.	.1	136.6	1486.47	28.475	136.6	3891.0	.000
9200.0	997.4	162.5	-.0228	-.4534	135028.	.1	135.9	1478.27	28.474	135.9	3869.8	.000
9100.0	997.4	162.4	-.0223	-.4491	134293.	.1	135.2	1470.03	28.472	135.2	3848.6	.000
9000.0	997.3	162.3	-.0218	-.4449	133554.	.1	134.4	1461.75	28.471	134.4	3827.2	.000
8900.0	997.3	162.2	-.0213	-.4407	132811.	.1	133.7	1453.43	28.470	133.7	3805.8	.000
8800.0	997.3	162.1	-.0208	-.4365	132063.	.1	132.9	1445.08	28.468	132.9	3784.2	.000
8700.0	997.2	162.0	-.0203	-.4323	131311.	.1	132.2	1436.69	28.467	132.2	3762.5	.000
8600.0	997.2	161.9	-.0199	-.4281	130555.	.1	131.4	1428.27	28.466	131.4	3740.6	.000
8500.0	997.1	161.9	-.0194	-.4240	129795.	.1	130.6	1419.80	28.464	130.6	3718.7	.000
8400.0	997.1	161.8	-.0189	-.4198	129030.	.1	129.9	1411.31	28.463	129.9	3696.6	.000
8300.0	997.0	161.7	-.0185	-.4159	128260.	.1	129.1	1402.78	28.462	129.1	3674.4	.000
8200.0	997.0	161.6	-.0181	-.4118	127486.	.1	128.3	1394.21	28.460	128.5	3653.0	.000
8100.0	997.0	161.5	-.0176	-.4077	126707.	.1	127.5	1385.15	28.459	127.5	3629.5	.000
8000.0	996.9	161.4	-.0172	-.4037	125923.	.1	126.7	1379.40	28.458	126.7	3606.9	.000
7900.0	996.9	161.3	-.0168	-.3997	125134.	.1	126.0	1367.59	28.456	126.0	3584.1	.000
7800.0	996.8	161.2	-.0164	-.3958	124340.	.1	125.2	1358.73	28.455	125.2	3561.2	.000
7700.0	996.8	161.1	-.0160	-.3918	123541.	.1	124.3	1349.82	28.454	124.5	3538.2	.000
7600.0	996.7	161.1	-.0156	-.3879	122737.	.1	123.5	1340.86	28.452	123.5	3515.0	.000
7500.0	996.7	161.0	-.0152	-.3839	121927.	.1	122.7	1331.84	28.451	122.7	3491.6	.000
7400.0	996.7	160.9	-.0148	-.3800	121112.	.1	121.9	1322.76	28.450	121.9	3468.1	.000
7300.0	996.6	160.8	-.0144	-.3761	120292.	.1	121.1	1313.62	28.448	121.1	3444.5	.000
7200.0	996.6	160.7	-.0141	-.3723	119466.	.1	120.2	1304.42	28.447	120.2	3420.7	.000
7100.0	996.5	160.6	-.0137	-.3684	118633.	.1	119.4	1295.17	28.446	119.4	3396.7	.000
7000.0	996.5	160.5	-.0134	-.3646	117796.	.1	118.6	1285.85	28.444	118.6	3372.5	.000
6900.0	996.4	160.4	-.0130	-.3607	116953.	.1	117.7	1276.47	28.443	117.7	3348.2	.000
6800.0	996.4	160.3	-.0127	-.3569	116101.	.1	116.9	1267.02	28.442	116.9	3323.7	.000
6700.0	996.4	160.3	-.0123	-.3531	115248.	.1	116.0	1257.50	28.440	116.0	3299.1	.000
6600.0	996.3	160.2	-.0120	-.3493	114382.	.1	115.1	1247.92	28.439	115.1	3274.2	.000
6500.0	996.3	160.1	-.0117	-.3455	113512.	.1	114.3	1238.27	28.438	114.3	3249.2	.000
6400.0	996.2	160.0	-.0113	-.3418	112636.	.1	113.4	1228.55	28.436	113.4	3223.9	.000
6300.0	996.2	159.9	-.0110	-.3380	111753.	.1	112.5	1218.76	28.435	112.5	3198.5	.000
6200.0	996.1	159.8	-.0107	-.3342	110863.	.1	111.6	1208.88	28.434	111.6	3172.9	.000
6100.0	996.1	159.7	-.0104	-.3305	109965.	.1	110.7	1198.94	28.432	110.7	3147.1	.000
6000.0	996.0	159.6	-.0101	-.3268	109061.	.1	109.8	1188.92	28.431	109.8	3121.0	.000
5900.0	996.0	159.5	-.0098	-.3230	108148.	.1	108.9	1178.81	28.430	109.0	3094.8	.000
5800.0	995.9	159.5	-.0095	-.3193	107228.	.1	107.9	1168.62	28.428	107.9	3068.3	.000
5700.0	995.9	159.4	-.0092	-.3156	106299.	.1	107.0	1158.35	28.427	107.0	3041.6	.000
5600.0	995.9	159.3	-.0090	-.3119	105363.	.1	106.1	1148.00	28.426	106.1	3014.7	.000
5500.0	995.8	159.2	-.0087	-.3081	104418.	.1	105.1	1137.55	28.424	105.1	2987.5	.000
5400.0	995.8	159.1	-.0084	-.3044	103464.	.1	104.1	1127.04	28.423	104.1	2960.1	.000
5300.0	995.7	159.0	-.0081	-.3007	102502.	.1	103.2	1116.44	28.421	103.2	2933.4	.000
5200.0	995.7	158.9	-.0079	-.2970	101530.	.1	102.2	1105.75	28.420	102.2	2906.5	.000
5100.0	995.7	158.8	-.0076	-.2933	100549.	.1	101.2	1094.82	28.419	101.2	2876.3	.000
5000.0	995.6	158.7	-.0074	-.2896	99558.	.1	100.2	1083.68	28.418	100.2	2847.8	.000
4900.0	995.6	158.7	-.0071	-.2859	98557.	.1	99.2	1072.34	28.416	99.3	2819.6	.000
4800.0	995.5	158.6	-.0069	-.2822	97546.	.1	98.3	1061.70	28.415	98.3	2790.6	.000
4700.0	995.5	158.5	-.0066	-.2785	96524.	.1	97.2	1050.44	28.413	97.2	2760.6	.000
4600.0	995.4	158.4	-.0064	-.2748	95491.	.1	96.1	1039.06	28.412	96.1	2731.0	.000
4500.0	995.4	158.3	-.0062	-.2711	94447.	.1	95.1	1027.56	28.411	95.1	2701.0	.000
4400.0	995.4	158.2	-.0059	-.2674	93392.	.1	94.0	1015.94	28.410	94.0	2670.7	.000
4300.0	995.3	158.1	-.0057	-.2638	92324.	.1	92.9	1004.19	28.408	92.9	2640.0	.000
4200.0	995.3	158.0	-.0055	-.2599	91241.	.1	91.8	992.30	28.407	91.9	2607.0	.000
4100.0	995.2	157.9	-.0053	-.2561	90150.	.1	90.7	980.28	28.406	90.7	2577.6	.000
4000.0	995.2	157.9	-.0051	-.2524	89043.	.1	89.6	968.12	28.404	89.6	2544.9	.000
3900.0	995.1	157.8	-.0049	-.2486	87922.	.1	88.5	955.80	28.403	88.5	2513.7	.000
3800.0	995.1	157.7	-.0047	-.2449	86786.	.1	87.4	943.33	28.402	87.4	2481.1	.000
3700.0	995.0	157.6	-.0045	-.2410	85636.	.1	86.2	930.[illegible]	28.400	86.2	2448.1	.000
3600.0	994.9	157.5	-.0043	-.2372	84469.	.1	85.0	917.[illegible]	28.398	85.0	2414.6	.000
3500.0	994.9	157.4	-.0041	-.2334	83287.	.1	83.8	904.73	28.398	83.8	2380.7	.000
3400.0	994.9	157.3	-.0039	-.2295	82087.	.1	82.6	891.79	28.396	82.6	2346.3	.000
3300.0	994.8	157.2	-.0037	-.2256	80869.	.1	81.4	878.44	28.395	81.4	2311.4	.000
3200.0	994.8	157.1	-.0036	-.2217	79633.	.1	80.2	864.89	28.394	80.2	2276.0	.000
3100.0	994.8	157.0	-.0034	-.2178	78377.	.1	78.9	851.14	28.392	78.9	2240.0	.000
3000.0	994.7	157.0	-.0032	-.2138	77101.	.1	77.6	837.17	28.391	77.6	2203.4	.000
2900.0	994.7	156.9	-.0031	-.2099	75803.	.1	76.3	822.97	28.390	76.3	2166.2	.000
2800.0	994.7	156.8	-.0029	-.2058	74483.	.1	75.0	808.52	28.388	75.0	2128.4	.000
2700.0	994.6	156.7	-.0027	-.2018	73138.	.1	73.6	793.82	28.387	73.6	2089.9	.000
2600.0	994.6	156.6	-.0026	-.1977	71769.	.1	72.2	778.85	28.386	72.2	2050.6	.000
2500.0	994.5	156.5	-.0024	-.1935	70372.	.1	70.8	763.60	28.384	70.8	2010.6	.000
2400.0	994.5	156.4	-.0023	-.1893	68948.	.1	69.4	748.04	28.383	69.4	1969.8	.000
2300.0	994.4	156.3	-.0021	-.1851	67493.	.1	67.9	732.15	28.382	67.9	1928.2	.000
2200.0	994.4	156.2	-.0020	-.1808	66006.	.1	66.4	715.93	28.380	66.4	1885.8	.000
2100.0	994.3	156.2	-.0019	-.1764	64485.	.1	64.9	699.34	28.379	64.9	1842.1	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 310 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
2000.0	994.3	156.1	-.0017	-.1719	62926.	.1	63.3	682.35	28.378	63.3	1797.5	.000
1900.0	994.3	156.0	-.0016	-.1674	61329.	.1	61.7	664.04	28.376	61.7	1751.8	.000
1800.0	994.2	155.9	-.0015	-.1628	59688.	.1	60.1	647.07	28.374	60.1	1704.8	.000
1700.0	994.2	155.8	-.0014	-.1581	58001.	.1	58.4	629.49	28.374	58.4	1656.6	.000
1600.0	994.1	155.7	-.0012	-.1533	56264.	.1	56.6	609.78	28.372	56.6	1606.9	.000
1500.0	994.1	155.6	-.0011	-.1483	54470.	.1	54.8	590.27	28.371	54.8	1555.6	.000
1400.0	994.0	155.5	-.0010	-.1433	52616.	.1	53.0	570.10	28.370	53.0	1502.6	.000
1300.0	994.0	155.4	-.0009	-.1380	50694.	.1	51.0	549.30	28.368	51.0	1447.6	.000
1200.0	994.0	155.4	-.0008	-.1326	48696.	.1	49.0	527.44	28.367	49.0	1390.4	.000
1100.0	993.9	155.3	-.0007	-.1270	46612.	.1	46.9	504.84	28.366	46.9	1330.9	.000
1000.0	993.9	155.2	-.0006	-.1212	44431.	.1	44.7	481.15	28.364	44.7	1268.6	.000
900.0	993.8	155.1	-.0005	-.1150	42143.	.1	42.4	456.35	28.363	42.4	1203.0	.000
800.0	993.8	155.0	-.0003	-.1089	39740.	.1	40.0	429.91	28.362	40.0	1133.7	.000
700.0	993.7	154.9	-.0002	-.1017	37225.	.1	37.4	401.87	28.360	37.4	1059.8	.000
600.0	993.7	154.8	-.0000	-.0942	34545.	.1	34.6	371.74	28.359	34.6	980.4	.000
500.0	993.6	154.7	-.0002	-.0861	31720.	.1	31.5	338.95	28.358	31.5	894.0	.000
400.0	993.6	154.6	-.0001	-.0771	28770.	.1	28.2	302.65	28.356	28.2	798.4	.000
300.0	993.6	154.6	-.0001	-.0667	24159.	.1	24.3	261.38	28.355	24.3	689.6	.000
200.0	993.5	154.5	-.0001	-.0540	19621.	.1	19.8	212.26	28.354	19.8	560.0	.000
100.0	993.5	154.4	-.0000	-.0366	13650.	.1	13.7	147.64	29.352	13.7	389.6	.000

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 320 K)

PO kPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	HAVG	SLIP	VL M/S	VV M/S	XF
22120.0	998.9	215.2	*******	********	208721.	.1	210.9	1459.93	24.292	210.9	5122.8	.000
22100.0	998.9	215.2	-4.2966	-14.4793	208627.	.1	210.8	1459.23	24.292	210.8	5120.4	.000
22000.0	998.8	215.1	-1.5400	-5.8964	208156.	.1	210.3	1455.71	24.291	210.3	5108.6	.000
21900.0	998.8	215.0	-1.1230	-4.4278	207684.	.1	209.8	1452.16	24.289	209.8	5096.7	.000
21800.0	998.7	214.9	-.9041	-3.7523	207212.	.1	209.4	1448.66	24.288	209.4	5084.9	.000
21700.0	998.7	214.8	-.7762	-3.3031	206737.	.1	208.9	1445.13	24.287	208.9	5073.0	.000
21600.0	998.7	214.8	-.6947	-3.0032	206262.	.1	208.4	1441.59	24.285	208.4	5061.0	.000
21500.0	998.6	214.7	-.6364	-2.7774	205786.	.1	207.9	1438.04	24.284	207.9	5049.1	.000
21400.0	998.6	214.6	-.5939	-2.5989	205309.	.1	207.4	1434.49	24.283	207.4	5037.1	.000
21300.0	998.5	214.5	-.5613	-2.4558	204830.	.1	207.0	1430.93	24.281	207.0	5024.1	.000
21200.0	998.4	214.4	-.5350	-2.3300	204350.	.1	206.5	1427.36	24.280	206.5	5013.1	.000
21100.0	998.4	214.3	-.5120	-2.2246	203870.	.1	206.0	1423.79	24.279	206.0	5001.0	.000
21000.0	998.4	214.2	-.4932	-2.1322	203388.	.1	205.5	1420.21	24.278	205.5	4988.9	.000
20900.0	998.4	214.1	-.4817	-2.0515	202904.	.1	205.0	1416.62	24.276	205.0	4976.8	.000
20800.0	998.3	214.1	-.3908	-1.9749	202420.	.1	204.5	1413.02	24.275	204.5	4964.7	.000
20700.0	998.3	214.0	-.3521	-1.9134	201935.	.1	204.0	1409.42	24.274	204.0	4952.5	.000
20600.0	998.2	213.9	-.3452	-1.8539	201448.	.1	203.5	1405.81	24.272	203.4	4940.3	.000
20500.0	998.2	213.8	-.3299	-1.7994	200960.	.1	203.0	1402.19	24.271	203.0	4928.1	.000
20400.0	998.2	213.7	-.3158	-1.7492	200471.	.1	202.6	1398.57	24.270	202.6	4915.9	.000
20300.0	998.1	213.6	-.3029	-1.7027	199981.	.1	202.1	1394.94	24.268	202.1	4903.6	.000
20200.0	998.1	213.6	-.2910	-1.6594	199489.	.1	201.6	1391.30	24.267	201.6	4891.3	.000
20100.0	998.0	213.5	-.2799	-1.6189	198996.	.1	201.1	1387.65	24.266	201.1	4878.9	.000
20000.0	998.0	213.4	-.2596	-1.5810	198502.	.1	200.6	1384.00	24.264	200.6	4866.6	.000
19900.0	997.9	213.3	-.2599	-1.5453	198007.	.1	200.1	1380.33	24.263	200.1	4854.2	.000
19800.0	997.9	213.2	-.2509	-1.5115	197511.	.1	199.6	1376.66	24.261	199.6	4841.7	.000
19700.0	997.9	213.1	-.2424	-1.4796	197013.	.1	199.1	1372.99	24.260	199.1	4829.3	.000
19600.0	997.8	213.0	-.2344	-1.4494	196514.	.1	198.6	1369.30	24.259	198.6	4816.8	.000
19500.0	997.8	212.9	-.2268	-1.4206	196014.	.1	198.0	1365.61	24.258	198.0	4804.3	.000
19400.0	997.7	212.9	-.2196	-1.3931	195512.	.1	197.5	1361.91	24.257	197.5	4791.7	.000
19300.0	997.7	212.8	-.2128	-1.3669	195009.	.1	197.0	1358.20	24.255	197.0	4779.2	.000
19200.0	997.7	212.7	-.2064	-1.3419	194505.	.1	196.5	1354.48	24.254	196.5	4766.6	.000
19100.0	997.6	212.6	-.2002	-1.3179	193999.	.1	196.0	1350.75	24.253	196.0	4753.9	.000
19000.0	997.6	212.5	-.1944	-1.2948	193492.	.1	195.5	1347.02	24.251	195.5	4741.2	.000
18900.0	997.5	212.4	-.1888	-1.2727	192984.	.1	195.0	1343.28	24.250	195.0	4728.5	.000
18800.0	997.5	212.3	-.1835	-1.2514	192474.	.1	194.5	1339.53	24.249	194.5	4715.8	.000
18700.0	997.4	212.3	-.1783	-1.2310	191963.	.1	194.0	1335.77	24.247	194.0	4703.0	.000
18600.0	997.4	212.2	-.1735	-1.2112	191451.	.1	193.4	1332.00	24.246	193.4	4690.2	.000
18500.0	997.4	212.1	-.1688	-1.1922	190937.	.1	192.9	1328.22	24.245	192.9	4677.4	.000
18400.0	997.3	212.0	-.1643	-1.1738	190422.	.1	192.4	1324.44	24.244	192.4	4664.5	.000
18300.0	997.3	211.9	-.1600	-1.1560	189905.	.1	191.9	1320.64	24.242	191.9	4651.6	.000
18200.0	997.2	211.8	-.1558	-1.1388	189387.	.1	191.4	1316.84	24.241	191.4	4638.7	.000
18100.0	997.2	211.7	-.1518	-1.1222	188868.	.1	190.8	1313.03	24.240	190.8	4625.7	.000
18000.0	997.2	211.7	-.1479	-1.1060	188347.	.1	190.3	1309.21	24.238	190.3	4612.7	.000
17900.0	997.1	211.6	-.1442	-1.0904	187824.	.1	189.8	1305.38	24.237	189.8	4599.7	.000
17800.0	997.1	211.5	-.1407	-1.0753	187300.	.1	189.3	1301.54	24.236	189.3	4586.6	.000
17700.0	997.0	211.4	-.1373	-1.0606	186774.	.1	188.7	1297.69	24.234	188.7	4573.5	.000
17600.0	997.0	211.3	-.1339	-1.0463	186248.	.1	188.2	1293.84	24.233	188.2	4560.4	.000
17500.0	996.9	211.2	-.1308	-1.0324	185720.	.1	187.7	1289.97	24.232	187.7	4547.2	.000
17400.0	996.9	211.1	-.1277	-1.0189	185190.	.1	187.1	1286.09	24.230	187.1	4534.0	.000
17300.0	996.8	211.0	-.1245	-1.0058	184658.	.1	186.6	1282.21	24.229	186.6	4520.7	.000
17200.0	996.8	211.0	-.1216	-.9930	184125.	.1	186.0	1278.31	24.228	186.0	4507.4	.000
17100.0	996.8	210.9	-.1188	-.9806	183591.	.1	185.5	1274.41	24.227	185.5	4494.1	.000
17000.0	996.7	210.8	-.1161	-.9685	183054.	.1	185.0	1270.49	24.225	185.0	4480.8	.000
16900.0	996.7	210.7	-.1134	-.9567	182517.	.1	184.4	1266.57	24.224	184.4	4467.4	.000
16800.0	996.6	210.6	-.1109	-.9452	181977.	.1	183.9	1262.63	24.223	183.9	4453.9	.000
16700.0	996.6	210.5	-.1084	-.9340	181435.	.1	183.3	1258.69	24.221	183.3	4440.5	.000
16600.0	996.5	210.4	-.1060	-.9231	180894.	.1	182.8	1254.73	24.220	182.8	4426.9	.000
16500.0	996.5	210.4	-.1037	-.9127	180349.	.1	182.2	1250.77	24.219	182.2	4413.4	.000
16400.0	996.5	210.3	-.1015	-.9022	179803.	.1	181.7	1246.79	24.217	181.7	4399.8	.000
16300.0	996.4	210.2	-.0993	-.8920	179256.	.1	181.1	1242.81	24.216	181.1	4386.2	.000
16200.0	996.4	210.1	-.0971	-.8820	178705.	.1	180.6	1238.81	24.215	180.6	4372.5	.000
16100.0	996.4	210.0	-.0950	-.8721	178155.	.1	180.0	1234.80	24.213	180.0	4358.8	.000
16000.0	996.3	209.9	-.0930	-.8625	177603.	.1	179.5	1230.78	24.212	179.5	4345.0	.000
15900.0	996.3	209.9	-.0910	-.8530	177048.	.1	178.9	1226.75	24.211	178.9	4331.2	.000
15800.0	996.2	209.8	-.0891	-.8438	176492.	.1	178.3	1222.71	24.210	178.3	4317.4	.000
15700.0	996.2	209.7	-.0872	-.8347	175934.	.1	177.8	1218.64	24.208	177.8	4303.4	.000
15600.0	996.1	209.6	-.0854	-.8258	175374.	.1	177.2	1214.60	24.207	177.2	4289.6	.000
15500.0	996.1	209.5	-.0836	-.8170	174812.	.1	176.6	1210.53	24.206	176.6	4275.6	.000
15400.0	996.1	209.5	-.0819	-.8084	174249.	.1	176.1	1206.44	24.204	176.1	4261.6	.000
15300.0	996.0	209.4	-.0802	-.7999	173683.	.1	175.5	1202.34	24.203	175.5	4247.5	.000
15200.0	996.0	209.3	-.0785	-.7916	173115.	.1	174.9	1198.23	24.202	174.9	4233.4	.000
15100.0	995.9	209.2	-.0769	-.7835	172545.	.1	174.4	1194.11	24.200	174.4	4219.3	.000
15000.0	995.9	209.1	-.0753	-.7754	171976.	.1	173.8	1189.98	24.199	173.8	4205.2	.000
14900.0	995.8	209.0	-.0738	-.7675	171403.	.1	173.2	1185.84	24.198	173.2	4190.9	.000
14800.0	995.8	208.9	-.0723	-.7598	170828.	.1	172.6	1181.68	24.196	172.6	4176.7	.000
14700.0	995.8	208.8	-.0708	-.7521	170251.	.1	172.0	1177.51	24.195	172.0	4162.3	.000
14600.0	995.7	208.7	-.0693	-.7446	169672.	.1	171.4	1173.33	24.194	171.4	4148.0	.000
14500.0	995.7	208.6	-.0679	-.7371	169091.	.1	170.9	1169.13	24.193	170.9	4133.5	.000
14400.0	995.6	208.5	-.0665	-.7298	168508.	.1	170.3	1164.93	24.191	170.3	4119.1	.000
14300.0	995.6	208.5	-.0652	-.7226	167923.	.1	169.7	1160.70	24.190	169.7	4104.6	.000
14200.0	995.6	208.4	-.0639	-.7155	167336.	.1	169.1	1156.47	24.189	169.1	4090.0	.000
14100.0	995.5	208.3	-.0626	-.7085	166747.	.1	168.5	1152.23	24.187	168.5	4075.4	.000
14000.0	995.5	208.2	-.0613	-.7016	166156.	.1	167.9	1147.97	24.186	167.9	4060.7	.000
13900.0	995.4	208.1	-.0601	-.6948	165563.	.1	167.3	1143.69	24.184	167.3	4046.0	.000
13800.0	995.4	208.0	-.0588	-.6881	164967.	.1	166.7	1139.41	24.183	166.7	4031.2	.000
13700.0	995.3	207.9	-.0577	-.6815	164370.	.1	166.1	1135.10	24.182	166.1	4016.4	.000
13600.0	995.3	207.9	-.0565	-.6750	163770.	.1	165.4	1130.79	24.181	165.5	4001.6	.000
13500.0	995.3	207.8	-.0554	-.6685	163168.	.1	164.9	1126.46	24.179	164.9	3986.6	.000
13400.0	995.2	207.7	-.0543	-.6622	162563.	.1	164.3	1122.12	24.178	164.3	3971.7	.000
13300.0	995.2	207.6	-.0532	-.6559	161957.	.1	163.7	1117.76	24.177	163.7	3956.6	.000
13200.0	995.1	207.5	-.0521	-.6497	161348.	.1	163.0	1113.39	24.176	163.0	3941.5	.000
13100.0	995.1	207.4	-.0511	-.6436	160737.	.1	162.4	1109.00	24.174	162.4	3926.4	.000
13000.0	995.0	207.3	-.0501	-.6375	160123.	.1	161.8	1104.60	24.173	161.8	3911.2	.000
12900.0	995.0	207.3	-.0491	-.6315	159507.	.1	161.2	1100.18	24.172	161.2	3896.0	.000
12800.0	994.9	207.2	-.0481	-.6256	158889.	.1	160.6	1095.75	24.170	160.6	3880.7	.000
12700.0	994.9	207.1	-.0471	-.6198	158268.	.1	159.9	1091.30	24.169	159.9	3865.3	.000
12600.0	994.9	207.0	-.0462	-.6140	157644.	.1	159.3	1086.84	24.168	159.3	3849.9	.000
12500.0	994.8	206.9	-.0452	-.6083	157018.	.1	158.7	1082.36	24.166	158.7	3834.4	.000
12400.0	994.8	206.8	-.0443	-.6026	156390.	.1	158.0	1077.86	24.165	158.0	3818.9	.000
12300.0	994.7	206.7	-.0434	-.5970	155759.	.1	157.4	1073.35	24.164	157.4	3803.2	.000
12200.0	994.7	206.6	-.0425	-.5915	155126.	.1	156.8	1068.82	24.162	156.8	3787.6	.000
12130.0	994.7	206.6	-.0417	-.5860	154490.	.1	156.1	1064.28	24.161	156.1	3771.8	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 320 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AME M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	KF
12000.0	994.6	206.5	-.0409	-.3806	153851.	.1	155.5	1059.72	24.160	155.5	3756.0	.000
11900.0	994.6	206.4	-.0400	-.3743	153210.	.1	154.8	1055.44	24.149	154.8	3740.2	.000
11800.0	994.5	206.3	-.0392	-.3699	152565.	.1	154.2	1050.84	24.147	154.2	3724.3	.000
11700.0	994.5	206.2	-.0384	-.3647	151919.	.1	153.5	1045.93	24.156	153.5	3708.3	.000
11600.0	994.4	206.1	-.0377	-.3595	151269.	.1	152.9	1041.30	24.145	152.9	3692.2	.000
11500.0	994.4	206.0	-.0369	-.3543	150616.	.1	152.2	1036.65	24.153	152.2	3676.1	.000
11400.0	994.4	206.0	-.0361	-.3492	149961.	.1	151.5	1031.98	24.147	151.5	3659.9	.000
11300.0	994.3	205.9	-.0354	-.3442	149302.	.1	150.9	1027.29	24.151	150.9	3643.6	.000
11200.0	994.3	205.8	-.0347	-.3392	148641.	.1	150.2	1022.58	24.149	150.2	3627.3	.000
11100.0	994.2	205.7	-.0340	-.3342	147979.	.1	149.5	1017.86	24.148	149.5	3610.9	.000
11000.0	994.2	205.6	-.0333	-.3293	147310.	.1	148.9	1013.12	24.147	148.9	3594.4	.000
10900.0	994.1	205.5	-.0326	-.3244	146639.	.1	148.2	1008.35	24.145	148.2	3577.9	.000
10800.0	994.1	205.4	-.0319	-.3196	145966.	.1	147.5	1003.57	24.144	147.5	3561.3	.000
10700.0	994.1	205.3	-.0312	-.3148	145289.	.1	146.8	998.76	24.143	146.8	3544.6	.000
10600.0	994.0	205.3	-.0306	-.3101	144609.	.1	146.1	993.94	24.142	146.1	3527.8	.000
10500.0	994.0	205.2	-.0299	-.3053	143926.	.1	145.4	989.09	24.140	145.4	3511.0	.000
10400.0	993.9	205.1	-.0293	-.3007	143240.	.1	144.7	984.23	24.139	144.7	3494.0	.000
10300.0	993.9	205.0	-.0287	-.2960	142550.	.1	144.1	979.34	24.138	144.1	3477.0	.000
10200.0	993.8	204.9	-.0281	-.2914	141857.	.1	143.4	974.43	24.136	143.4	3459.9	.000
10100.0	993.8	204.8	-.0275	-.2869	141161.	.1	142.6	969.50	24.135	142.6	3442.8	.000
10000.0	993.8	204.7	-.0269	-.2823	140461.	.1	141.9	964.54	24.134	141.9	3425.5	.000
9900.0	993.7	204.7	-.0263	-.2778	139758.	.1	141.2	959.57	24.132	141.2	3408.2	.000
9800.0	993.7	204.6	-.0258	-.2734	139051.	.1	140.5	954.57	24.131	140.5	3390.8	.000
9700.0	993.6	204.5	-.0252	-.2689	138340.	.1	139.8	949.54	24.130	139.8	3373.3	.000
9600.0	993.6	204.4	-.0247	-.2645	137626.	.1	139.1	944.50	24.128	139.1	3355.7	.000
9500.0	993.5	204.3	-.0241	-.2602	136907.	.1	138.3	939.42	24.127	138.3	3338.0	.000
9400.0	993.5	204.2	-.0236	-.2558	136185.	.1	137.6	934.33	24.126	137.6	3320.2	.000
9300.0	993.5	204.1	-.0231	-.2515	135460.	.1	136.9	929.21	24.124	136.9	3302.3	.000
9200.0	993.4	204.1	-.0226	-.2472	134730.	.1	136.1	924.06	24.123	136.1	3284.4	.000
9100.0	993.4	204.0	-.0220	-.2430	133996.	.1	135.4	918.89	24.122	135.4	3266.3	.000
9000.0	993.3	203.9	-.0216	-.2388	133258.	.1	134.7	913.69	24.121	134.7	3248.2	.000
8900.0	993.3	203.8	-.0211	-.2346	132516.	.1	133.9	908.46	24.119	133.9	3229.9	.000
8800.0	993.2	203.7	-.0206	-.2304	131770.	.1	133.2	903.21	24.118	133.2	3211.5	.000
8700.0	993.2	203.6	-.0201	-.2263	131020.	.1	132.4	897.93	24.117	132.4	3193.1	.000
8600.0	993.2	203.5	-.0197	-.2221	130265.	.1	131.6	892.62	24.115	131.6	3174.5	.000
8500.0	993.1	203.4	-.0192	-.2180	129506.	.1	130.9	887.28	24.114	130.9	3155.8	.000
8400.0	993.1	203.4	-.0187	-.2139	128742.	.1	130.1	881.91	24.113	130.1	3137.1	.000
8300.0	993.0	203.3	-.0183	-.2099	127974.	.1	129.3	876.52	24.111	129.3	3118.2	.000
8200.0	993.0	203.2	-.0179	-.2058	127201.	.1	128.5	871.09	24.110	128.5	3099.2	.000
8100.0	992.9	203.1	-.0175	-.2018	126423.	.1	127.8	865.63	24.109	127.8	3080.1	.000
8000.0	992.9	203.0	-.0170	-.1978	125640.	.1	127.0	860.14	24.107	127.0	3060.8	.000
7900.0	992.9	202.9	-.0166	-.1939	124853.	.1	126.2	854.62	24.106	126.2	3041.5	.000
7800.0	992.8	202.8	-.0162	-.1899	124060.	.1	125.4	849.06	24.105	125.4	3022.0	.000
7700.0	992.8	202.8	-.0158	-.1860	123262.	.1	124.6	843.47	24.104	124.6	3002.4	.000
7600.0	992.7	202.7	-.0154	-.1820	122459.	.1	123.8	837.85	24.102	123.8	2982.7	.000
7500.0	992.7	202.6	-.0150	-.1781	121651.	.1	122.9	832.20	24.101	122.9	2962.9	.000
7400.0	992.6	202.5	-.0147	-.1743	120838.	.1	122.1	826.50	24.100	122.1	2942.9	.000
7300.0	992.6	202.4	-.0143	-.1704	120018.	.1	121.3	820.77	24.098	121.3	2922.8	.000
7200.0	992.6	202.3	-.0139	-.1665	119193.	.1	120.5	815.01	24.097	120.5	2902.6	.000
7100.0	992.5	202.2	-.0136	-.1627	118363.	.1	119.6	809.20	24.096	119.6	2882.2	.000
7000.0	992.5	202.1	-.0132	-.1589	117526.	.1	118.8	803.36	24.094	118.8	2861.7	.000
6900.0	992.4	202.0	-.0129	-.1551	116684.	.1	117.9	797.48	24.093	117.9	2841.0	.000
6800.0	992.4	202.0	-.0125	-.1513	115835.	.1	117.1	791.56	24.092	117.1	2820.2	.000
6700.0	992.3	201.9	-.0122	-.1475	114980.	.1	116.2	785.59	24.090	116.2	2799.2	.000
6600.0	992.3	201.8	-.0119	-.1437	114118.	.1	115.3	779.59	24.089	115.3	2778.1	.000
6500.0	992.3	201.7	-.0115	-.1399	113250.	.1	114.4	773.54	24.088	114.4	2756.8	.000
6400.0	992.2	201.6	-.0112	-.1362	112375.	.1	113.6	767.45	24.087	113.6	2735.4	.000
6300.0	992.2	201.5	-.0109	-.1324	111493.	.1	112.7	761.31	24.085	112.7	2713.8	.000
6200.0	992.1	201.5	-.0106	-.1287	110605.	.1	111.8	755.12	24.084	111.8	2692.0	.000
6100.0	992.1	201.4	-.0103	-.1250	109709.	.1	110.9	748.89	24.083	110.9	2670.0	.000
6000.0	992.0	201.3	-.0100	-.1212	108805.	.1	110.0	742.61	24.081	110.0	2647.9	.000
5900.0	992.0	201.2	-.0097	-.1175	107894.	.1	109.0	736.28	24.080	109.0	2625.6	.000
5800.0	992.0	201.1	-.0094	-.1138	106975.	.1	108.1	729.90	24.079	108.1	2603.1	.000
5700.0	991.9	201.0	-.0091	-.1101	106048.	.1	107.2	723.46	24.077	107.2	2580.4	.000
5600.0	991.9	200.9	-.0088	-.1064	105113.	.1	106.2	716.98	24.076	106.2	2557.5	.000
5500.0	991.8	200.8	-.0086	-.1027	104170.	.1	105.3	710.43	24.075	105.3	2534.4	.000
5400.0	991.8	200.8	-.0083	-.0990	103218.	.1	104.3	703.83	24.073	104.3	2511.1	.000
5300.0	991.7	200.7	-.0080	-.0954	102256.	.1	103.3	697.17	24.072	103.3	2487.6	.000
5200.0	991.7	200.6	-.0078	-.0917	101286.	.1	102.4	690.45	24.071	102.4	2463.9	.000
5100.0	991.7	200.5	-.0075	-.0880	100307.	.1	101.4	683.67	24.069	101.4	2439.9	.000
5000.0	991.6	200.4	-.0073	-.0843	99317.	.1	100.4	676.82	24.068	100.4	2415.7	.000
4900.0	991.6	200.3	-.0070	-.0806	98318.	.1	99.4	669.91	24.067	99.4	2391.3	.000
4800.0	991.5	200.2	-.0068	-.0769	97308.	.1	98.3	662.93	24.066	98.3	2366.6	.000
4700.0	991.5	200.2	-.0065	-.0732	96288.	.1	97.3	655.88	24.064	97.3	2341.7	.000
4600.0	991.4	200.1	-.0063	-.0695	95257.	.1	96.3	648.75	24.063	96.3	2316.5	.000
4500.0	991.4	200.0	-.0061	-.0658	94214.	.1	95.2	641.55	24.062	95.2	2291.0	.000
4400.0	991.4	199.9	-.0059	-.0621	93160.	.1	94.1	634.28	24.060	94.1	2265.2	.000
4300.0	991.3	199.8	-.0056	-.0584	92094.	.1	93.1	626.92	24.059	93.1	2239.2	.000
4200.0	991.3	199.7	-.0054	-.0547	91015.	.1	92.0	619.48	24.058	92.0	2212.8	.000
4100.0	991.2	199.6	-.0052	-.0510	89923.	.1	90.9	611.95	24.056	90.9	2186.2	.000
4000.0	991.2	199.5	-.0050	-.0472	88817.	.1	89.8	604.34	24.055	89.8	2159.2	.000
3900.0	991.1	199.5	-.0048	-.0435	87698.	.1	88.6	596.63	24.054	88.6	2131.9	.000
3800.0	991.1	199.4	-.0046	-.0397	86566.	.1	87.5	588.83	24.052	87.5	2104.2	.000
3700.0	991.0	199.3	-.0044	-.0359	85419.	.1	86.3	580.92	24.051	86.3	2076.2	.000
3600.0	991.0	199.2	-.0042	-.0321	84251.	.1	85.1	572.91	24.050	85.1	2047.7	.000
3500.0	991.0	199.1	-.0040	-.0283	83070.	.1	84.0	564.80	24.048	84.0	2018.9	.000
3400.0	990.9	199.0	-.0039	-.0245	81871.	.1	82.7	556.56	24.047	82.7	1989.7	.000
3300.0	990.9	198.9	-.0037	-.0206	80655.	.1	81.5	548.21	24.046	81.5	1960.0	.000
3200.0	990.8	198.9	-.0035	-.0167	79421.	.1	80.3	539.74	24.045	80.3	1929.8	.000
3100.0	990.8	198.8	-.0033	-.0128	78167.	.1	79.0	531.14	24.043	79.0	1899.4	.000
3000.0	990.7	198.7	-.0032	-.0089	76892.	.1	77.7	522.39	24.042	77.7	1868.3	.000
2900.0	990.7	198.6	-.0030	-.0049	75596.	.1	76.4	513.51	24.041	76.4	1836.7	.000
2800.0	990.7	198.5	-.0028	-.0009	74277.	.1	75.1	504.49	24.039	75.1	1804.6	.000
2700.0	990.6	198.4	-.0027	-.1969	72934.	.1	73.7	495.28	24.038	73.7	1771.8	.000
2600.0	990.6	198.3	-.0025	-.1928	71566.	.1	72.3	485.91	24.037	72.3	1738.5	.000
2500.0	990.5	198.2	-.0024	-.1887	70171.	.1	70.9	476.37	24.035	70.9	1704.5	.000
2400.0	990.5	198.2	-.0022	-.1845	68748.	.1	69.5	466.64	24.034	69.5	1669.8	.000
2300.0	990.4	198.1	-.0021	-.1803	67295.	.1	68.0	456.70	24.033	68.0	1634.4	.000
2200.0	990.4	198.0	-.0020	-.1760	65809.	.1	66.5	446.55	24.031	66.5	1598.3	.000
2100.0	990.3	197.9	-.0018	-.1718	64290.	.1	65.0	436.17	24.030	65.0	1561.3	.000

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 320 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AMF M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
2000.0	990.3	197.8	-.0017	-.1672	62733.	.1	63.4	425.55	24.029	63.4	1523.4	.000
1900.0	990.3	197.7	-.0016	-.1627	61157.	.1	61.8	414.65	24.028	61.8	1484.6	.000
1800.0	990.2	197.6	-.0014	-.1581	59497.	.1	60.1	403.47	24.026	60.1	1444.7	.000
1700.0	990.2	197.6	-.0013	-.1534	57812.	.1	58.4	391.98	24.025	58.4	1403.7	.000
1600.0	990.1	197.5	-.0012	-.1486	56075.	.1	56.7	380.15	24.024	56.7	1361.5	.000
1500.0	990.1	197.4	-.0011	-.1437	54283.	.1	54.9	367.94	24.022	54.9	1317.9	.000
1400.0	990.0	197.3	-.0010	-.1386	52430.	.1	53.0	355.33	24.021	53.0	1272.8	.000
1300.0	990.0	197.2	-.0009	-.1334	50508.	.1	51.0	342.25	24.020	51.0	1226.1	.000
1200.0	990.0	197.1	-.0008	-.1280	48511.	.1	49.0	328.67	24.018	49.0	1177.6	.000
1100.0	989.9	197.0	-.0007	-.1224	46427.	.1	46.9	314.50	24.017	46.9	1126.9	.000
1000.0	989.9	196.9	-.0006	-.1166	44246.	.1	44.7	299.68	24.016	44.7	1073.9	.000
900.0	989.8	196.9	-.0005	-.1104	41951.	.1	42.4	284.00	24.014	42.4	1018.2	.000
800.0	989.8	196.8	-.0004	-.1041	39523.	.1	39.9	267.61	24.013	39.9	959.5	.000
700.0	989.7	196.7	-.0004	-.0972	36938.	.1	37.3	250.07	24.012	37.3	896.3	.000
600.0	989.7	196.6	-.0003	-.0898	34152.	.1	34.5	231.17	24.010	34.5	829.8	.000
500.0	989.6	196.5	-.0002	-.0818	31121.	.1	31.5	210.62	24.009	31.5	755.2	.000
400.0	989.6	196.4	-.0002	-.0728	27761.	.1	28.1	187.89	24.007	28.1	673.6	.000
300.0	989.6	196.3	-.0001	-.0624	23933.	.1	24.2	161.33	24.007	24.2	580.7	.000
200.0	989.5	196.2	-.0001	-.0498	19363.	.1	19.6	130.99	24.005	19.6	469.8	.000
100.0	989.5	196.2	-.0000	-.0325	13306.	.1	13.4	90.00	24.004	13.4	322.8	.000

TABLE 4. SUBCOOLED CRITICAL FLOW PROPERTIES

(Tu 336 K)

PU KPA	HC KG/M3	HG KJ/KG	XO	AC	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
2212E+0	994.2	256.5	*******	********	208211.	.2	211.3	946.14	20.859	211.3	4402.0	.000
2210E+0	994.2	256.5	-4.2861	-14.3768	208117.	.2	211.2	945.66	20.829	211.2	4400.0	.000
2200E+0	994.2	256.4	-1.5765	-5.8426	207848.	.2	210.8	943.39	20.827	210.8	4389.8	.000
2196E+0	994.1	256.4	-1.1605	-4.3940	207177.	.2	210.3	941.10	20.826	210.3	4379.6	.000
2186E+0	994.1	256.3	-.9612	-3.7432	206765.	.2	209.8	938.86	20.824	209.8	4369.4	.000
2176E+0	994.0	256.2	-.7750	-3.1269	206231.	.2	209.3	936.49	20.824	209.3	4359.1	.000
2166E+0	994.0	256.1	-.6024	-2.5790	205727.	.2	208.9	934.19	20.823	208.9	4348.8	.000
2150E+0	994.6	256.0	-.4143	-1.7548	205282.	.2	208.4	931.87	20.821	208.4	4338.5	.000
2140E+0	993.9	255.9	-.3066	-1.2775	204805.	.2	207.9	929.56	20.820	207.9	4328.2	.000
2130E+0	993.9	255.9	-.2174	-.9464	204328.	.2	207.4	927.24	20.819	207.4	4317.9	.000
2120E+0	993.8	255.8	-.1412	-.6404	203849.	.2	206.9	924.91	20.818	206.9	4307.5	.000
2110E+0	993.8	255.7	-.0503	-.2557	203369.	.2	206.4	922.58	20.816	206.4	4297.1	.000
2100E+0	993.5	255.6	-.4436	-2.1145	202886.	.2	205.9	920.23	20.815	205.9	4286.7	.000
2090E+0	993.7	255.6	-.4061	-2.0538	202466.	.2	205.5	917.91	20.814	205.5	4276.3	.000
2080E+0	993.7	255.5	-.3778	-1.9617	201913.	.2	205.0	915.56	20.813	205.0	4265.8	.000
2070E+0	993.6	255.4	-.3066	-1.6967	201437.	.2	204.5	913.21	20.811	204.5	4255.4	.000
2060E+0	993.6	255.3	-.3438	-1.8376	200953.	.2	204.0	910.86	20.810	204.0	4244.9	.000
2050E+0	993.5	255.2	-.3285	-1.7834	200466.	.2	203.5	908.50	20.809	203.5	4234.3	.000
2040E+0	993.5	255.1	-.3144	-1.7334	199975.	.2	203.0	906.14	20.806	203.0	4223.8	.000
2030E+0	993.4	255.0	-.3006	-1.6845	199488.	.2	202.5	903.77	20.807	202.5	4213.2	.000
2020E+0	993.4	254.9	-.2869	-1.6343	198998.	.2	202.0	901.40	20.805	202.0	4202.6	.000
2010E+0	993.4	254.8	-.2728	-1.6041	198506.	.2	201.5	899.03	20.804	201.5	4192.0	.000
2000E+0	993.3	254.8	-.2683	-1.5865	198013.	.2	201.0	896.64	20.863	201.0	4181.3	.000
1990E+0	993.3	254.7	-.2607	-1.5565	197518.	.2	200.5	894.26	20.800	200.5	4170.6	.000
1980E+0	993.2	254.6	-.2497	-1.5145	197020.	.2	200.0	891.88	20.800	200.0	4159.9	.000
1970E+0	993.2	254.5	-.2414	-1.4856	196527.	.2	199.5	889.47	20.799	199.5	4149.2	.000
1960E+0	993.2	254.4	-.2332	-1.4557	196028.	.2	199.0	887.07	20.798	199.0	4138.5	.000
1950E+0	993.1	254.3	-.2257	-1.4471	195529.	.2	198.5	884.66	20.797	198.5	4127.7	.000
1940E+0	993.1	254.3	-.2188	-1.4299	195028.	.2	198.0	882.25	20.795	198.0	4116.9	.000
1930E+0	993.0	254.2	-.2148	-1.4178	194526.	.2	197.5	879.83	20.794	197.5	4106.1	.000
1920E+0	993.0	254.1	-.2053	-1.3896	194023.	.2	197.0	877.41	20.793	197.0	4095.2	.000
1910E+0	993.0	254.0	-.1992	-1.3051	193519.	.2	196.4	874.99	20.792	196.4	4084.3	.000
1900E+0	992.9	253.9	-.1934	-1.2822	193013.	.2	195.9	872.55	20.790	195.9	4073.4	.000
1890E+0	992.9	253.8	-.1878	-1.2663	192505.	.2	195.4	870.11	20.789	195.4	4062.5	.000
1880E+0	992.8	253.8	-.1825	-1.2341	191997.	.2	194.9	867.67	20.788	194.9	4051.5	.000
1870E+0	992.8	253.7	-.1774	-1.2180	191487.	.2	194.4	865.22	20.787	194.4	4040.5	.000
1860E+0	992.8	253.6	-.1725	-1.1992	190976.	.2	193.9	862.77	20.786	193.9	4029.5	.000
1850E+0	992.7	253.5	-.1679	-1.1852	190463.	.2	193.3	860.31	20.784	193.3	4018.4	.000
1840E+0	992.7	253.4	-.1634	-1.1620	189948.	.2	192.8	857.84	20.783	192.8	4007.3	.000
1830E+0	992.6	253.3	-.1592	-1.1443	189433.	.2	192.3	855.37	20.782	192.3	3996.2	.000
1820E+0	992.6	253.2	-.1549	-1.1272	188916.	.2	191.8	852.90	20.781	191.8	3985.0	.000
1810E+0	992.5	253.2	-.1509	-1.1167	188397.	.2	191.2	850.41	20.779	191.2	3973.8	.000
1800E+0	992.5	253.1	-.1471	-1.0947	187876.	.2	190.7	847.93	20.778	190.7	3962.7	.000
1790E+0	992.5	253.0	-.1434	-1.0792	187356.	.2	190.2	845.43	20.777	190.2	3951.5	.000
1780E+0	992.4	252.9	-.1398	-1.0641	186833.	.2	189.7	842.93	20.776	189.7	3940.3	.000
1770E+0	992.4	252.8	-.1364	-1.0495	186309.	.2	189.1	840.44	20.774	189.1	3929.0	.000
1760E+0	992.4	252.7	-.1331	-1.0353	185783.	.2	188.6	837.92	20.773	188.6	3917.7	.000
1750E+0	992.3	252.7	-.1299	-1.0215	185256.	.2	188.1	835.40	20.772	188.1	3906.3	.000
1740E+0	992.3	252.6	-.1268	-1.0081	184727.	.2	187.5	832.88	20.771	187.5	3894.9	.000
1730E+0	992.2	252.5	-.1238	-.9951	184196.	.2	187.0	830.35	20.769	187.0	3883.5	.000
1720E+0	992.2	252.4	-.1209	-.9824	183665.	.2	186.4	827.81	20.768	186.4	3872.1	.000
1710E+0	992.2	252.3	-.1181	-.9701	183131.	.2	185.9	825.27	20.767	185.9	3860.6	.000
1700E+0	992.1	252.2	-.1154	-.9581	182596.	.2	185.4	822.72	20.766	185.4	3849.1	.000
1690E+0	992.1	252.2	-.1127	-.9466	182059.	.2	184.8	820.17	20.764	184.8	3837.6	.000
1680E+0	992.0	252.1	-.1102	-.9349	181521.	.2	184.3	817.61	20.763	184.3	3826.0	.000
1670E+0	992.0	252.0	-.1077	-.9240	180980.	.2	183.7	815.04	20.762	183.7	3814.4	.000
1660E+0	991.9	251.9	-.1053	-.9129	180439.	.2	183.2	812.46	20.761	183.2	3802.8	.000
1650E+0	99..9	251.8	-.1030	-.9020	179896.	.2	182.6	809.88	20.760	182.6	3791.1	.000
1640E+0	991.8	251.7	-.1008	-.8922	179351.	.2	182.1	807.29	20.758	182.1	3779.4	.000
1630E+0	991.8	251.6	-.0986	-.8826	178806.	.2	181.5	804.70	20.757	181.5	3767.7	.000
1620E+0	991.7	251.6	-.0965	-.8721	178259.	.2	181.0	802.10	20.756	181.0	3755.9	.000
1610E+0	991.7	251.5	-.0944	-.8623	177707.	.2	180.4	799.49	20.755	180.4	3744.1	.000
1600E+0	991.7	251.4	-.0924	-.8527	177159.	.2	179.8	796.88	20.753	179.8	3732.3	.000
1590E+0	991.6	251.3	-.0904	-.8434	176612.	.2	179.3	794.27	20.752	179.3	3720.4	.000
1580E+0	991.6	251.2	-.0885	-.8341	176046.	.2	178.7	791.65	20.751	178.7	3708.5	.000
1570E+0	991.5	251.1	-.0866	-.8251	175489.	.2	178.2	789.02	20.750	178.2	3696.6	.000
1560E+0	991.5	251.1	-.0848	-.8162	174931.	.2	177.6	786.39	20.748	177.6	3684.6	.000
1550E+0	991.4	251.0	-.0830	-.8075	174370.	.2	177.0	783.76	20.747	177.0	3672.6	.000
1540E+0	991.4	250.9	-.0813	-.7990	173808.	.2	176.4	781.13	20.746	176.4	3660.5	.000
1530E+0	991.3	250.8	-.0796	-.7906	173243.	.2	175.9	778.49	20.745	175.9	3648.4	.000
1520E+0	991.3	250.7	-.0779	-.7823	172677.	.2	175.3	775.86	20.743	175.3	3636.3	.000
1510E+0	991.2	250.6	-.0763	-.7742	172109.	.2	174.7	773.22	20.742	174.7	3624.1	.000
1500E+0	991.2	250.6	-.0746	-.7662	171539.	.2	174.1	770.58	20.741	174.1	3611.9	.000
1490E+0	991.1	250.5	-.0732	-.7584	170968.	.2	173.6	767.94	20.740	173.6	3599.6	.000
1480E+0	991.1	250.4	-.0717	-.7507	170394.	.2	173.0	765.29	20.738	173.0	3587.4	.000
1470E+0	991.1	250.3	-.0702	-.7430	169818.	.2	172.4	762.62	20.737	172.4	3575.0	.000
1460E+0	991.0	250.2	-.0688	-.7358	169240.	.2	171.8	759.96	20.736	171.8	3562.7	.000
1450E+0	991.0	250.2	-.0674	-.7286	168661.	.2	171.2	757.29	20.735	171.2	3550.3	.000
1440E+0	991.0	250.1	-.0660	-.7209	168079.	.2	170.6	754.64	20.734	170.6	3537.8	.000
1430E+0	990.9	250.0	-.0647	-.7138	167495.	.2	170.0	751.29	20.732	170.0	3525.3	.000
1420E+0	990.9	249.9	-.0634	-.7067	166909.	.2	169.4	748.14	20.731	169.4	3512.8	.000
1410E+0	990.8	249.8	-.0621	-.6998	166322.	.2	168.8	745.76	20.730	168.8	3500.2	.000
1400E+0	990.8	249.7	-.0608	-.6929	165731.	.2	168.3	743.01	20.729	168.3	3487.6	.000
1390E+0	990.8	249.6	-.0596	-.6859	165139.	.2	167.7	740.23	20.727	167.7	3474.9	.000
1380E+0	990.7	249.5	-.0584	-.6794	164545.	.2	167.1	737.44	20.726	167.1	3462.2	.000
1370E+0	990.7	249.5	-.0572	-.6729	163949.	.2	166.4	734.65	20.725	166.4	3449.5	.000
1360E+0	990.6	249.4	-.0561	-.6664	163350.	.2	165.8	731.84	20.724	165.8	3436.7	.000
1350E+0	990.6	249.3	-.0549	-.6606	162749.	.2	165.2	729.03	20.722	165.2	3423.8	.000
1340E+0	990.6	249.2	-.0538	-.6537	162146.	.2	164.6	726.20	20.721	164.6	3410.9	.000
1330E+0	990.5	249.1	-.0527	-.6474	161541.	.2	164.0	723.37	20.720	164.0	3398.0	.000
1320E+0	990.5	249.0	-.0517	-.6413	160933.	.2	163.4	720.53	20.717	163.4	3385.0	.000
1310E+0	990.4	248.9	-.0507	-.6352	160323.	.2	162.8	717.68	20.717	162.8	3372.0	.000
1300E+0	990.4	248.9	-.0496	-.0292	159710.	.2	162.1	714.82	20.716	162.1	3358.9	.000
1290E+0	990.3	248.8	-.0486	-.0232	159096.	.2	161.5	711.96	20.715	161.5	3345.8	.000
1280E+0	990.3	248.7	-.0477	-.0174	158478.	.2	160.9	709.07	20.714	160.9	3332.6	.000
1270E+0	990.3	248.6	-.0467	-.0115	157859.	.2	160.3	706.21	20.712	160.3	3319.4	.000
1260E+0	990.2	248.5	-.0458	-.0058	157237.	.2	159.6	703.27	20.711	159.6	3306.1	.000
1250E+0	990.2	248.4	-.0448	-.0001	156612.	.2	159.0	700.38	20.710	159.6	3292.8	.000
1240E+0	990.1	248.4	-.0439	-.3945	155985.	.2	158.4	697.44	20.709	158.4	3279.4	.000
1230E+0	990.1	248.3	-.0430	-.3890	155355.	.2	157.7	694.34	20.707	157.7	3266.0	.000
1220E+0	990.0	248.2	-.0421	-.3835	154723.	.2	157.1	691.57	20.706	157.1	3252.5	.000
1210E+0	990.0	248.1	-.0413	-.3780	154088.	.2	156.4	688.62	20.705	156.4	3239.0	.000

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(16 336 R)

PO KPA	RO KG/M3	HO KJ/KG	XO	AG	G KG/(S-M2)	AHL M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
12600.0	994.6	248.0	-.6305	-.5726	1534*1.	.2	155.8	885.65	20.704	155.8	3225.4	.000
12400.0	994.8	247.9	-.6307	-.5695	1526*0.	.2	155.5	882.00	20.703	155.5	3211.8	.000
12200.0	994.9	247.9	-.6309	-.5660	1516*5.	.2	154.5	876.69	20.701	154.5	3188.3	.000
12000.0	995.0	247.8	-.6304	-.5620	1505*2.	.2	153.8	870.64	20.700	153.8	3164.3	.000
11700.0	995.0	247.8	-.6304	-.5547	1486*3.	.2	153.2	873.08	20.699	153.2	3170.5	.000
11600.0	995.0	247.7	-.6373	-.5527	1480*3.							
11500.0	995.7	247.6	-.6365	-.5405	1502*2.	.2	152.5	870.00	20.698	152.5	3156.6	.000
11400.0	995.7	247.5	-.6359	-.5384	1490*0.	.2	151.8	867.63	20.696	151.8	3142.7	.000
11300.0	995.7	247.4	-.6351	-.5364	1484*1.	.2	151.5	864.54	20.695	151.5	3128.7	.000
11200.0	995.8	247.3	-.6343	-.5346	1478*2.	.2	150.5	861.53	20.694	150.5	3114.7	.000
11100.0	995.8	247.3	-.6336	-.5328	1473*0.	.2	149.8	858.46	20.693	149.8	3100.6	.000
11000.0	995.8	247.2	-.6329	-.5310	1467*2.	.2	149.2	855.38	20.691	149.2	3086.4	.000
10900.0	995.9	247.1	-.6323	-.5293	1462*2.	.2	148.5	852.29	20.690	148.5	3072.2	.000
10800.0	995.9	247.0	-.6316	-.5276	1457*2.	.2	147.8	849.18	20.689	147.8	3057.9	.000
10700.0	996.0	246.9	-.6309	-.5259	1452*2.	.2	147.1	846.06	20.688	147.1	3043.5	.000
10600.0	996.0	246.8	-.6303	-.5242	1447*2.	.2	146.4	842.93	20.686	146.4	3029.1	.000
12500.0	994.3	246.8	-.6329	-.4978	1483*5.	.2	145.7	839.78	20.685	145.7	3014.6	.000
12400.0	994.3	246.7	-.6320	-.4932	1476*0.	.2	145.0	836.63	20.684	145.0	3000.0	.000
12300.0	994.4	246.6	-.6324	-.4886	1468*5.	.2	144.3	833.45	20.683	144.3	2985.4	.000
12200.0	994.4	246.5	-.6324	-.4840	1461*0.	.2	143.6	830.26	20.681	143.6	2970.7	.000
12100.0	994.5	246.4	-.6322	-.4793	1453*5.	.2	142.9	827.06	20.680	142.9	2955.9	.000
12000.0	994.5	246.3	-.6320	-.4750	1446*7.	.2	142.2	823.84	20.679	142.2	2941.1	.000
11900.0	994.6	246.2	-.6318	-.4705	1439*5.	.2	141.5	820.60	20.678	141.5	2926.2	.000
11800.0	994.6	246.2	-.6316	-.4661	1432*2.	.2	140.8	817.34	20.676	140.8	2911.2	.000
11700.0	994.6	246.1	-.6314	-.4617	1424*7.	.2	140.1	814.06	20.675	140.1	2896.2	.000
11600.0	994.7	246.0	-.6312	-.4573	1417*2.	.2	139.4	810.83	20.674	139.4	2881.1	.000
9500.0	988.4	245.9	-.6238	-.4529	1386*0.	.2	138.6	807.54	20.673	138.6	2865.8	.000
9400.0	988.5	245.8	-.6233	-.4486	1378*2.	.2	137.9	804.23	20.671	137.9	2850.6	.000
9300.0	988.6	245.7	-.6228	-.4443	1370*5.	.2	137.2	800.91	20.670	137.2	2835.3	.000
9200.0	988.6	245.7	-.6223	-.4401	1363*0.	.2	136.4	797.56	20.669	136.4	2819.9	.000
9100.0	988.7	245.6	-.6218	-.4359	1356*4.	.2	135.7	794.21	20.668	135.7	2804.2	.000
9000.0	988.7	245.5	-.6213	-.4317	1328*8.	.2	134.9	790.83	20.666	134.9	2788.5	.000
8900.0	988.8	245.4	-.6208	-.4275	1321*7.	.2	134.2	787.44	20.665	134.2	2772.6	.000
8800.0	988.8	245.3	-.6203	-.4233	1314*3.	.2	133.4	784.03	20.664	133.4	2756.7	.000
8700.0	988.9	245.2	-.6198	-.4192	1306*9.	.2	132.7	780.61	20.663	132.7	2740.6	.000
8600.0	988.9	245.2	-.6194	-.4151	1299*0.	.2	131.9	777.16	20.662	131.9	2725.2	.000
8500.0	989.0	245.1	-.6189	-.4110	1291*2.	.2	131.1	773.70	20.660	131.1	2709.2	.000
8400.0	989.0	245.0	-.6184	-.4070	1283*0.	.2	130.4	770.22	20.659	130.4	2693.0	.000
8300.0	989.1	244.9	-.6179	-.4029	1274*8.	.2	129.6	766.73	20.658	129.6	2676.8	.000
8200.0	989.1	244.8	-.6174	-.3989	1266*3.	.2	128.8	763.19	20.657	128.8	2660.4	.000
8100.0	989.2	244.7	-.6172	-.3949	1260*5.	.2	128.0	759.65	20.655	128.0	2644.0	.000
8500.0	988.2	244.8	-.6168	-.3916	1252*4.	.2	127.2	756.09	20.654	127.2	2627.5	.000
8400.0	988.3	244.8	-.6164	-.3876	1245*8.	.2	126.4	752.51	20.653	126.4	2610.8	.000
8300.0	988.4	244.7	-.6160	-.3836	1237*7.	.2	125.6	748.91	20.652	125.6	2594.1	.000
8200.0	988.4	244.6	-.6156	-.3796	1229*1.	.2	124.8	745.28	20.650	124.8	2577.3	.000
8100.0	988.4	244.4	-.6152	-.3753	1221*0.	.2	124.0	741.64	20.649	124.0	2560.3	.000
7500.0	988.6	244.2	-.6148	-.3716	1213*3.	.2	123.2	737.97	20.648	123.2	2543.2	.000
7400.0	988.6	244.1	-.6145	-.3676	1206*2.	.2	122.4	734.28	20.647	122.4	2526.0	.000
7300.0	987.9	244.1	-.6141	-.3636	1198*0.	.2	121.6	730.56	20.645	121.6	2508.8	.000
7200.0	987.9	244.0	-.6137	-.3596	1190*3.	.2	120.7	726.82	20.644	120.7	2491.4	.000
7100.0	987.9	243.9	-.6134	-.3560	1186*0.	.2	119.8	723.06	20.643	119.8	2473.8	.000
7600.0	987.9	243.8	-.6130	-.3522	1171*5.	.2	119.0	719.27	20.642	119.0	2456.2	.000
7500.0	987.9	243.7	-.6127	-.3482	1163*4.	.2	118.2	715.46	20.640	118.2	2438.4	.000
7400.0	987.9	243.6	-.6123	-.3447	1155*7.	.2	117.3	711.62	20.639	117.3	2420.5	.000
7300.0	987.9	243.6	-.6120	-.3409	1149*0.	.2	116.4	707.75	20.638	116.4	2402.5	.000
7200.0	987.9	243.5	-.6117	-.3371	1139*3.	.2	115.5	703.86	20.637	115.5	2384.4	.000
8500.0	987.0	243.4	-.6114	-.3334	1129*7.	.2	114.7	699.94	20.635	114.7	2366.1	.000
8400.0	987.0	243.3	-.6111	-.3297	1122*4.	.2	113.8	695.99	20.634	113.8	2347.8	.000
8300.0	987.0	243.2	-.6107	-.3259	1114*3.	.2	113.0	692.01	20.633	113.0	2329.3	.000
8200.0	987.1	243.1	-.6104	-.3222	1107*6.	.2	112.1	688.00	20.630	112.1	2310.7	.000
8100.0	987.1	243.0	-.6101	-.3185	1099*2.	.2	111.1	683.96	20.630	111.1	2291.5	.000
9000.0	987.2	243.0	-.6098	-.3148	1088*0.	.2	110.2	679.89	20.629	110.2	2272.2	.000
8900.0	987.3	242.9	-.6095	-.3111	1079*6.	.2	109.3	675.78	20.628	109.3	2252.8	.000
8800.0	987.3	242.8	-.6093	-.3074	1069*3.	.2	108.3	671.65	20.626	108.3	2233.0	.000
8700.0	987.3	242.7	-.6090	-.3038	1057*0.	.2	107.4	667.48	20.625	107.4	2213.0	.000
8600.0	987.2	242.6	-.6087	-.3001	1048*4.	.2	106.4	663.27	20.624	106.4	2194.7	.000
8500.0	987.2	242.5	-.6084	-.2964	1038*2.	.2	105.5	659.03	20.623	105.5	2174.9	.000
8400.0	987.2	242.4	-.6082	-.2927	1029*2.	.2	104.5	654.75	20.622	104.5	2154.8	.000
8300.0	987.2	242.4	-.6079	-.2891	1019*2.	.2	103.5	650.44	20.620	103.5	2134.6	.000
8200.0	987.2	242.3	-.6076	-.2854	1009*4.	.2	102.5	646.08	20.619	102.5	2114.2	.000
8100.0	987.2	242.2	-.6074	-.2818	1000*6.	.2	101.5	641.69	20.618	101.5	2093.6	.000
9000.0	988.4	241.1	-.6071	-.2781	990*8.	.2	100.5	637.22	20.617	100.5	2072.8	.000
8900.0	988.4	241.0	-.6069	-.2744	980*0.	.2	99.5	632.77	20.615	99.5	2051.8	.000
8800.0	988.5	241.0	-.6067	-.2706	970*2.	.2	98.5	628.25	20.614	98.5	2030.6	.000
8700.0	988.6	241.0	-.6067	-.2671	959*4.	.2	97.5	623.68	20.613	97.5	2009.2	.000
8600.0	988.6	241.0	-.6064	-.2634	949*4.	.2	96.4	619.07	20.612	96.4	1987.5	.000
9000.0	988.7	241.7	-.6060	-.2597	939*3.	.2	95.4	614.40	20.610	95.4	1965.6	.000
8900.0	988.7	241.6	-.6057	-.2561	928*7.	.2	94.3	609.69	20.609	94.3	1943.5	.000
8800.0	988.8	241.5	-.6053	-.2524	917*6.	.2	93.2	604.92	20.608	93.2	1921.1	.000
8700.0	988.8	241.5	-.6053	-.2487	907*9.	.2	92.1	600.10	20.607	92.1	1898.5	.000
8600.0	988.8	241.4	-.6053	-.2449	896*8.	.2	91.0	595.23	20.605	91.0	1875.5	.000
9000.0	988.9	241.3	-.6048	-.2412	885*5.	.2	89.9	590.30	20.604	89.9	1852.3	.000
8900.0	988.9	241.2	-.6047	-.2375	874*7.	.2	88.8	585.30	20.603	88.8	1828.8	.000
8800.0	988.9	241.1	-.6045	-.2338	862*5.	.2	87.6	580.22	20.602	87.6	1805.0	.000
8700.0	988.9	241.1	-.6043	-.2301	851*8.	.2	86.4	575.08	20.600	86.4	1780.9	.000
8600.0	988.9	241.0	-.6043	-.2262	839*5.	.2	85.3	569.94	20.599	85.3	1756.5	.000
9000.0	989.0	240.9	-.6040	-.2224	827*5.	.2	84.1	564.68	20.598	84.1	1731.7	.000
8900.0	989.0	240.8	-.6038	-.2186	815*9.	.2	82.9	559.35	20.597	82.9	1706.6	.000
8800.0	989.0	240.7	-.6036	-.2146	803*4.	.2	81.6	553.95	20.596	81.6	1681.1	.000
8700.0	989.0	240.6	-.6034	-.2107	791*1.	.2	80.4	548.48	20.595	80.4	1655.2	.000
8600.0	989.1	240.5	-.6033	-.2070	778*9.	.2	79.1	542.86	20.593	79.1	1628.9	.000
9000.0	989.1	240.4	-.6029	-.2031	766*6.	.2	77.8	537.46	20.594	77.8	1602.2	.000
8900.0	989.1	240.3	-.6029	-.1991	753*1.	.2	76.5	531.87	20.592	76.5	1575.0	.000
8800.0	989.2	240.3	-.6027	-.1951	740*3.	.2	75.2	526.02	20.589	75.2	1547.4	.000
8700.0	989.2	240.2	-.6026	-.1911	727*2.	.2	73.8	520.00	20.587	73.8	1519.3	.000
8600.0	989.2	240.1	-.6025	-.1871	713*6.	.2	72.4	513.80	20.585	72.4	1490.8	.000
9000.0	989.3	240.1	-.6023	-.1830	699*2.	.2	71.0	507.46	20.585	71.0	1461.9	.000
8900.0	989.3	240.0	-.6022	-.1790	684*6.	.2	69.5	500.94	20.584	69.5	1432.6	.000
8800.0	989.4	239.9	-.6020	-.1746	670*4.	.2	68.1	494.26	20.583	68.1	1402.8	.000
8700.0	989.4	239.8	-.6018	-.1703	655*4.	.2	66.6	487.39	20.581	66.6	1372.6	.000
8600.0	989.5	239.7	-.6016	-.1664	640*6.	.2	65.0	480.34	20.580	65.0	1341.9	.000

TABLE 2. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 336 K)

PL KPA	RO KG/M3	HL KJ/KG	XO	AO	G KG/(S-M2)	AME M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	AF
2066.0	965.6	239.8	-.6618	-.1616	62486.	.2	63.4	274.50	20.579	63.4	1305.6	.000
1965.6	963.6	239.3	-.0015	-.1571	60881.	.2	61.8	267.45	20.578	61.8	1272.2	.000
1861.6	989.5	239.4	-.0014	-.1526	59247.	.2	66.2	260.21	20.577	66.2	1237.9	.000
1765.6	985.1	239.3	-.0013	-.1479	57562.	.2	56.5	252.77	20.575	58.5	1202.6	.000
1661.6	983.4	239.2	-.0012	-.1431	55826.	.2	56.7	245.10	20.574	56.7	1166.3	.000
1586.6	985.4	239.2	-.0011	-.1382	54034.	.2	54.9	237.19	20.573	54.9	1126.8	.000
1482.6	985.4	239.1	-.0010	-.1332	52181.	.2	53.0	229.02	20.572	53.0	1090.6	.000
1379.6	985.3	239.1	-.0009	-.1280	50263.	.2	51.0	220.55	20.570	51.0	1049.8	.000
1275.6	985.3	238.9	-.0008	-.1227	48261.	.2	49.0	211.74	20.569	49.0	1008.6	.000
1172.6	985.2	238.8	-.0007	-.1171	46176.	.2	46.9	202.56	20.568	46.9	964.4	.000
1068.6	985.2	238.7	-.0006	-.1113	43993.	.2	44.7	192.95	20.567	44.7	918.8	.000
965.0	985.1	238.7	-.0005	-.1052	41695.	.2	42.3	182.89	20.565	42.3	870.7	.000
861.6	985.1	238.6	-.0004	-.0988	39263.	.2	39.9	172.15	20.564	39.9	819.9	.000
758.6	985.0	238.5	-.0003	-.0920	36676.	.2	37.2	160.72	20.563	37.2	765.7	.000
655.6	985.0	238.4	-.0003	-.0847	33879.	.2	34.4	148.49	20.562	34.4	707.4	.000
551.6	985.0	238.3	-.0002	-.0769	30836.	.2	31.3	135.13	20.560	31.3	643.8	.000
448.2	984.9	238.2	-.0001	-.0677	27420.	.2	27.8	120.34	20.559	27.9	573.5	.000
344.8	984.9	238.1	-.0001	-.0574	23606.	.2	24.0	103.84	20.558	24.0	492.4	.000
241.3	984.8	238.1	-.0001	-.0446	18975.	.2	19.3	83.11	20.557	19.3	396.1	.000
137.9	984.8	238.0	-.0000	-.0276	12771.	.2	13.0	55.93	20.555	13.0	266.6	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 340 K)

PO K*A	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XE
22120.0	989.0	297.9	*******	********	207618.	.3	211.9	632.38	18.040	211.9	3821.8	.000
22100.0	989.0	297.9	-4.2743	-14.2622	207525.	.3	211.8	631.78	18.040	211.8	3820.1	.000
22000.0	989.0	297.8	-1.5715	-5.7936	207056.	.3	211.3	630.24	18.039	211.3	3811.2	.000
21900.0	988.9	297.8	-1.1167	-4.3561	206586.	.3	210.8	628.70	18.038	210.8	3802.5	.000
21800.0	988.9	297.7	-.9270	-3.7706	206114.	.3	210.3	627.14	18.037	210.3	3793.4	.000
21700.0	988.8	297.6	-.7707	-3.2478	205643.	.3	209.8	625.60	18.035	209.8	3784.5	.000
21600.0	988.8	297.5	-.6798	-2.9520	205170.	.3	209.4	624.05	18.034	209.4	3775.8	.000
21500.0	988.5	297.4	-.6118	-2.7295	204696.	.3	208.9	622.50	18.033	208.9	3766.6	.000
21400.0	988.7	297.3	-.5580	-2.5535	204220.	.3	208.4	620.95	18.032	208.4	3757.8	.000
21300.0	988.7	297.3	-.5153	-2.4096	203744.	.3	207.9	619.39	18.031	207.9	3748.6	.000
21200.0	988.6	297.2	-.4791	-2.2893	203265.	.3	207.4	617.83	18.030	207.4	3739.6	.000
21100.0	988.6	297.1	-.4483	-2.1846	202787.	.3	206.9	616.26	18.028	206.9	3730.4	.000
21000.0	988.5	297.0	-.4217	-2.0941	202307.	.3	206.4	614.69	18.027	206.4	3721.5	.000
20900.0	988.5	296.9	-.3983	-2.0140	201826.	.3	205.9	613.12	18.026	205.9	3712.5	.000
20800.0	988.5	296.9	-.3778	-1.9424	201344.	.3	205.5	611.55	18.025	205.5	3703.4	.000
20700.0	988.4	296.8	-.3590	-1.8780	200861.	.3	205.0	609.97	18.024	205.0	3694.2	.000
20600.0	988.4	296.7	-.3422	-1.8193	200376.	.3	204.5	608.39	18.023	204.5	3685.1	.000
20500.0	988.3	296.6	-.3269	-1.7655	199890.	.3	204.0	606.81	18.022	204.0	3675.9	.000
20400.0	988.3	296.5	-.3129	-1.7160	199403.	.3	203.5	605.23	18.020	203.5	3666.8	.000
20300.0	988.3	296.4	-.3001	-1.6702	198915.	.3	203.0	603.64	18.019	203.0	3657.6	.000
20200.0	988.2	296.4	-.2883	-1.6278	198426.	.3	202.5	602.04	18.018	202.5	3648.3	.000
20100.0	988.2	296.3	-.2772	-1.5886	197935.	.3	202.0	600.45	18.017	202.0	3639.1	.000
20000.0	988.1	296.2	-.2670	-1.5502	197443.	.3	201.5	598.85	18.016	201.5	3629.8	.000
19900.0	988.1	296.1	-.2574	-1.5150	196950.	.3	201.0	597.25	18.015	201.0	3620.5	.000
19800.0	988.0	296.0	-.2484	-1.4818	196456.	.3	200.5	595.64	18.013	200.5	3611.2	.000
19700.0	988.0	295.9	-.2399	-1.4503	195960.	.3	200.0	594.04	18.012	200.0	3601.8	.000
19600.0	988.0	295.9	-.2320	-1.4205	195463.	.3	199.5	592.42	18.011	199.5	3592.5	.000
19500.0	987.9	295.8	-.2245	-1.3921	194965.	.3	199.0	590.81	18.010	199.0	3583.2	.000
19400.0	987.9	295.7	-.2175	-1.3650	194465.	.3	198.4	589.19	18.009	198.4	3573.8	.000
19300.0	987.8	295.6	-.2106	-1.3392	193965.	.3	197.9	587.57	18.008	197.9	3564.3	.000
19200.0	987.8	295.5	-.2042	-1.3145	193462.	.3	197.4	585.94	18.007	197.4	3554.9	.000
19100.0	987.7	295.5	-.1981	-1.2908	192959.	.3	196.9	584.31	18.005	196.9	3545.4	.000
19000.0	987.7	295.4	-.1923	-1.2681	192454.	.3	196.4	582.68	18.004	196.4	3535.9	.000
18900.0	987.7	295.3	-.1867	-1.2463	191948.	.3	195.9	581.05	18.003	195.9	3526.4	.000
18800.0	987.6	295.2	-.1814	-1.2253	191441.	.3	195.4	579.41	18.002	195.4	3516.9	.000
18700.0	987.6	295.1	-.1764	-1.2051	190932.	.3	194.8	577.78	18.001	194.8	3507.3	.000
18600.0	987.5	295.0	-.1715	-1.1857	190422.	.3	194.3	576.12	18.000	194.3	3497.7	.000
18500.0	987.5	295.0	-.1668	-1.1669	189910.	.3	193.8	574.47	17.999	193.8	3488.1	.000
18400.0	987.4	294.9	-.1624	-1.1489	189397.	.3	193.3	572.81	17.997	193.3	3478.4	.000
18300.0	987.4	294.8	-.1581	-1.1312	188882.	.3	192.8	571.15	17.996	192.8	3468.8	.000
18200.0	987.4	294.7	-.1540	-1.1143	188367.	.3	192.2	569.50	17.995	192.2	3459.1	.000
18100.0	987.3	294.6	-.1500	-1.0979	187849.	.3	191.7	567.83	17.994	191.7	3449.4	.000
18000.0	987.3	294.6	-.1462	-1.0820	187331.	.3	191.2	566.16	17.993	191.2	3439.7	.000
17900.0	987.2	294.5	-.1425	-1.0666	186810.	.3	190.6	564.49	17.992	190.6	3429.9	.000
17800.0	987.2	294.4	-.1389	-1.0516	186289.	.3	190.1	562.81	17.990	190.1	3420.1	.000
17700.0	987.1	294.3	-.1355	-1.0371	185766.	.3	189.6	561.13	17.989	189.6	3410.2	.000
17600.0	987.1	294.2	-.1322	-1.0230	185241.	.3	189.0	559.45	17.988	189.0	3400.5	.000
17500.0	987.1	294.1	-.1290	-1.0094	184715.	.3	188.5	557.76	17.987	188.5	3390.6	.000
17400.0	987.0	294.1	-.1259	-.9961	184187.	.3	188.0	556.07	17.986	188.0	3380.8	.000
17300.0	986.9	294.0	-.1229	-.9831	183658.	.3	187.4	554.37	17.985	187.4	3370.9	.000
17200.0	986.9	293.9	-.1201	-.9704	183127.	.3	186.9	552.67	17.983	186.9	3360.9	.000
17100.0	986.8	293.8	-.1173	-.9581	182595.	.3	186.3	550.96	17.982	186.3	3350.9	.000
17000.0	986.8	293.7	-.1146	-.9463	182061.	.3	185.8	549.26	17.981	185.8	3340.9	.000
16900.0	986.8	293.6	-.1119	-.9347	181525.	.3	185.3	547.54	17.980	185.3	3330.8	.000
16800.0	986.8	293.6	-.1094	-.9234	180988.	.3	184.7	545.82	17.979	184.7	3320.8	.000
16700.0	986.7	293.5	-.1069	-.9123	180450.	.3	184.2	544.10	17.978	184.2	3310.7	.000
16600.0	986.7	293.4	-.1046	-.9015	179909.	.3	183.6	542.38	17.977	183.6	3300.6	.000
16500.0	986.6	293.3	-.1023	-.8913	179367.	.3	183.1	540.65	17.975	183.1	3290.4	.000
16400.0	986.6	293.2	-.1001	-.8810	178824.	.3	182.5	538.91	17.974	182.5	3280.2	.000
16300.0	986.6	293.2	-.0978	-.8709	178278.	.3	181.9	537.19	17.973	181.9	3270.0	.000
16200.0	986.5	293.1	-.0958	-.8610	177733.	.3	181.4	535.43	17.972	181.4	3259.8	.000
16100.0	986.5	293.0	-.0937	-.8513	177185.	.3	180.9	533.68	17.971	180.8	3249.5	.000
16000.0	986.4	292.9	-.0917	-.8418	176632.	.3	180.3	531.93	17.970	180.3	3239.2	.000
15900.0	986.4	292.8	-.0897	-.8325	176080.	.3	179.7	530.17	17.968	179.7	3228.9	.000
15800.0	986.3	292.7	-.0878	-.8233	175526.	.3	179.1	528.41	17.967	179.1	3218.6	.000
15700.0	986.3	292.7	-.0860	-.8144	174970.	.3	178.6	526.64	17.966	178.6	3208.2	.000
15600.0	986.3	292.6	-.0841	-.8056	174413.	.3	178.0	524.87	17.965	178.0	3197.8	.000
15500.0	986.2	292.5	-.0824	-.7969	173854.	.3	177.4	523.09	17.964	177.4	3187.3	.000
15400.0	986.2	292.4	-.0806	-.7884	173292.	.3	176.9	521.31	17.963	176.9	3176.8	.000
15300.0	986.1	292.3	-.0790	-.7801	172729.	.3	176.3	519.53	17.962	176.3	3166.3	.000
15200.0	986.1	292.3	-.0773	-.7719	172165.	.3	175.7	517.73	17.960	175.7	3155.8	.000
15100.0	986.0	292.2	-.0757	-.7638	171598.	.3	175.1	515.93	17.959	175.1	3145.2	.000
15000.0	986.0	292.1	-.0741	-.7559	171029.	.3	174.5	514.13	17.958	174.5	3134.6	.000
14900.0	985.9	292.0	-.0726	-.7481	170459.	.3	174.0	512.33	17.957	174.0	3123.9	.000
14800.0	985.9	291.9	-.0711	-.7404	169886.	.3	173.4	510.51	17.956	173.4	3113.2	.000
14700.0	985.8	291.8	-.0697	-.7329	169312.	.3	172.8	508.70	17.954	172.8	3102.5	.000
14600.0	985.8	291.8	-.0682	-.7254	168735.	.3	172.2	506.87	17.953	172.2	3091.7	.000
14500.0	985.8	291.7	-.0668	-.7181	168157.	.3	171.6	505.05	17.952	171.6	3081.0	.000
14400.0	985.7	291.6	-.0654	-.7109	167577.	.3	171.0	503.21	17.950	171.0	3070.1	.000
14300.0	985.7	291.5	-.0641	-.7038	166994.	.3	170.4	501.37	17.949	170.4	3059.3	.000
14200.0	985.6	291.4	-.0628	-.6968	166410.	.3	169.8	499.53	17.948	169.8	3048.4	.000
14100.0	985.6	291.3	-.0615	-.6899	165823.	.3	169.2	497.68	17.948	169.2	3037.4	.000
14000.0	985.6	291.3	-.0603	-.6831	165234.	.3	168.6	495.82	17.946	168.6	3026.5	.000
13900.0	985.5	291.2	-.0591	-.6764	164643.	.3	168.0	493.96	17.944	168.0	3015.5	.000
13800.0	985.5	291.1	-.0578	-.6698	164050.	.3	167.4	492.09	17.943	167.4	3004.4	.000
13700.0	985.4	291.0	-.0567	-.6632	163455.	.3	166.8	490.22	17.942	166.8	2993.3	.000
13600.0	985.4	290.9	-.0556	-.6568	162858.	.3	166.2	488.34	17.942	166.2	2982.2	.000
13500.0	985.4	290.9	-.0544	-.6504	162258.	.3	165.6	486.46	17.941	165.6	2971.0	.000
13400.0	985.3	290.8	-.0533	-.6442	161657.	.3	165.0	484.57	17.940	165.0	2959.8	.000
13300.0	985.3	290.7	-.0523	-.6380	161052.	.3	164.4	482.67	17.938	164.4	2948.6	.000
13200.0	985.2	290.6	-.0512	-.6319	160446.	.3	163.8	480.76	17.937	163.8	2937.3	.000
13100.0	985.2	290.5	-.0502	-.6258	159837.	.3	163.1	478.85	17.936	163.1	2925.9	.000
13000.0	985.1	290.4	-.0492	-.6198	159226.	.3	162.5	476.94	17.935	162.5	2914.6	.000
12900.0	985.1	290.4	-.0482	-.6139	158613.	.3	161.9	475.02	17.934	161.9	2903.2	.000
12800.0	985.0	290.3	-.0473	-.6081	157998.	.3	161.3	473.09	17.933	161.3	2891.8	.000
12700.0	985.0	290.2	-.0463	-.6023	157379.	.3	160.6	471.15	17.931	160.6	2880.3	.000
12600.0	985.0	290.1	-.0453	-.5965	156758.	.3	160.0	469.21	17.930	160.0	2868.7	.000
12500.0	984.9	290.0	-.0444	-.5910	156135.	.3	159.4	467.26	17.929	159.4	2857.1	.000
12400.0	984.9	289.9	-.0435	-.5854	155509.	.3	158.7	465.30	17.927	158.8	2845.4	.000
12300.0	984.8	289.9	-.0426	-.5799	154881.	.3	158.1	463.34	17.926	158.1	2833.6	.000
12200.0	984.8	289.8	-.0418	-.5744	154250.	.3	157.5	461.37	17.925	157.5	2821.8	.000
12100.0	984.8	289.7	-.0409	-.5690	153616.	.3	156.8	459.39	17.924	156.8	2810.0	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 340 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AME M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XE
12000.0	984.7	289.6	-.0401	-.5637	152980.	.3	156.1	457.41	17.923	156.1	2798.5	.000
11900.0	984.6	289.5	-.0385	-.5584	152341.	.3	155.8	455.41	17.922	155.8	2786.7	.000
11800.0	984.6	289.5	-.0385	-.5531	151700.	.3	154.8	453.41	17.921	154.8	2774.8	.000
11700.0	984.6	289.4	-.0377	-.5480	151056.	.3	154.2	451.41	17.920	154.2	2762.8	.000
11600.0	984.5	289.3	-.0369	-.5428	150409.	.3	153.5	449.39	17.919	153.5	2750.7	.000
11500.0	984.4	289.2	-.0361	-.5377	149759.	.3	152.9	447.37	17.917	152.9	2738.8	.000
11400.0	984.5	289.1	-.0354	-.5327	149106.	.3	152.2	445.34	17.916	152.2	2726.7	.000
11300.0	984.4	289.0	-.0347	-.5277	148450.	.3	151.5	443.30	17.915	151.5	2714.5	.000
11200.0	984.4	289.0	-.0340	-.5229	147791.	.3	150.8	441.26	17.914	150.8	2702.3	.000
11100.0	984.3	288.9	-.0333	-.5179	147130.	.3	150.2	439.20	17.913	150.2	2690.0	.000
11000.0	984.3	288.8	-.0326	-.5130	146466.	.3	149.5	437.14	17.912	149.5	2677.7	.000
10900.0	984.2	288.7	-.0319	-.5082	145798.	.3	148.8	435.07	17.910	148.8	2665.3	.000
10800.0	984.2	288.6	-.0312	-.5034	145127.	.3	148.1	432.99	17.909	148.1	2652.9	.000
10700.0	984.1	288.6	-.0306	-.4987	144454.	.3	147.4	430.90	17.908	147.4	2640.4	.000
10600.0	984.1	288.5	-.0299	-.4940	143777.	.3	146.8	428.80	17.907	146.8	2627.9	.000
10500.0	984.1	288.4	-.0293	-.4894	143096.	.3	146.1	426.70	17.906	146.1	2615.3	.000
10400.0	984.0	288.3	-.0287	-.4848	142413.	.3	145.4	424.58	17.905	145.4	2602.6	.000
10300.0	984.0	288.3	-.0281	-.4802	141726.	.3	144.7	422.46	17.903	144.7	2589.9	.000
10200.0	983.9	288.1	-.0275	-.4756	141036.	.3	144.0	420.33	17.902	144.0	2577.1	.000
10100.0	983.9	288.1	-.0269	-.4711	140342.	.3	143.2	418.18	17.901	143.2	2564.3	.000
10000.0	983.8	288.0	-.0263	-.4667	139645.	.3	142.5	416.03	17.900	142.5	2551.4	.000
9900.0	983.8	287.9	-.0257	-.4622	138945.	.3	141.8	413.87	17.899	141.8	2538.5	.000
9800.0	983.8	287.8	-.0252	-.4578	138240.	.3	141.1	411.70	17.898	141.1	2525.4	.000
9700.0	983.7	287.7	-.0246	-.4534	137532.	.3	140.4	409.53	17.896	140.4	2512.3	.000
9600.0	983.7	287.6	-.0241	-.4491	136821.	.3	139.7	407.32	17.895	139.7	2499.2	.000
9500.0	983.6	287.5	-.0235	-.4448	136106.	.3	138.9	405.12	17.894	138.9	2486.0	.000
9400.0	983.5	287.5	-.0230	-.4405	135387.	.3	138.2	402.91	17.893	138.2	2472.7	.000
9300.0	983.5	287.4	-.0225	-.4362	134664.	.3	137.5	400.68	17.892	137.5	2459.3	.000
9200.0	983.5	287.3	-.0220	-.4320	133937.	.3	136.7	398.45	17.891	136.7	2445.9	.000
9100.0	983.5	287.2	-.0215	-.4278	133206.	.3	136.0	396.20	17.890	136.0	2432.4	.000
9000.0	983.4	287.2	-.0210	-.4236	132471.	.3	135.2	393.95	17.888	135.2	2418.8	.000
8900.0	983.4	287.1	-.0205	-.4195	131733.	.3	134.5	391.68	17.887	134.5	2405.2	.000
8800.0	983.3	287.0	-.0201	-.4154	130989.	.3	133.7	389.40	17.886	133.7	2391.5	.000
8700.0	983.3	286.9	-.0196	-.4113	130241.	.3	132.9	387.10	17.885	132.9	2377.7	.000
8600.0	983.2	286.9	-.0191	-.4072	129490.	.3	132.2	384.80	17.884	132.2	2363.8	.000
8500.0	983.2	286.7	-.0187	-.4032	128733.	.3	131.4	382.48	17.883	131.4	2349.8	.000
8400.0	983.1	286.7	-.0183	-.3991	127972.	.3	130.6	380.15	17.881	130.6	2335.8	.000
8300.0	983.1	286.6	-.0178	-.3951	127207.	.3	129.8	377.81	17.880	129.8	2321.7	.000
8200.0	983.1	286.5	-.0174	-.3911	126437.	.3	129.1	375.44	17.879	129.1	2307.5	.000
8100.0	983.0	286.4	-.0170	-.3872	125662.	.3	128.3	373.09	17.878	128.3	2293.2	.000
8000.0	983.0	286.3	-.0166	-.3832	124883.	.3	127.5	370.71	17.877	127.5	2278.8	.000
7900.0	982.9	286.2	-.0162	-.3793	124098.	.3	126.7	368.31	17.876	126.7	2264.4	.000
7800.0	982.9	286.2	-.0158	-.3754	123309.	.3	125.9	365.90	17.874	125.9	2249.8	.000
7700.0	982.8	286.1	-.0154	-.3715	122514.	.3	125.1	363.48	17.873	125.1	2235.2	.000
7600.0	982.9	286.0	-.0150	-.3676	121714.	.3	124.3	361.04	17.872	124.2	2220.4	.000
7500.0	982.8	285.9	-.0146	-.3638	120909.	.3	123.4	358.59	17.871	123.4	2205.6	.000
7400.0	982.7	285.8	-.0142	-.3599	120099.	.3	122.6	356.12	17.870	122.6	2190.7	.000
7300.0	982.7	285.8	-.0139	-.3561	119282.	.3	121.8	353.63	17.868	121.8	2175.7	.000
7200.0	982.6	285.7	-.0135	-.3523	118461.	.3	120.9	351.13	17.867	120.9	2160.6	.000
7100.0	982.6	285.6	-.0132	-.3485	117633.	.3	120.1	348.62	17.866	120.1	2145.3	.000
7000.0	982.5	285.5	-.0128	-.3447	116800.	.3	119.2	346.08	17.865	119.2	2130.0	.000
6900.0	982.5	285.4	-.0125	-.3410	115960.	.3	118.4	343.53	17.864	118.4	2114.6	.000
6800.0	982.4	285.3	-.0121	-.3373	115114.	.3	117.5	340.97	17.863	117.5	2099.0	.000
6700.0	982.4	285.3	-.0118	-.3336	114263.	.3	116.6	338.38	17.861	116.6	2083.4	.000
6600.0	982.4	285.2	-.0115	-.3297	113404.	.3	115.8	335.78	17.860	115.8	2067.6	.000
6500.0	982.3	285.1	-.0112	-.3260	112539.	.3	114.9	333.16	17.859	114.9	2051.7	.000
6400.0	982.3	285.0	-.0109	-.3223	111668.	.3	114.0	330.52	17.858	114.0	2035.7	.000
6300.0	982.2	284.9	-.0105	-.3186	110789.	.3	113.1	327.86	17.857	113.1	2019.5	.000
6200.0	982.2	284.9	-.0102	-.3149	109903.	.3	112.2	325.18	17.856	112.2	2003.2	.000
6100.0	982.1	284.8	-.0099	-.3112	109011.	.3	111.3	322.48	17.854	111.3	1986.8	.000
6000.0	982.1	284.7	-.0097	-.3076	108110.	.3	110.4	319.76	17.853	110.4	1970.3	.000
5900.0	982.1	284.6	-.0094	-.3039	107202.	.3	109.4	317.01	17.852	109.4	1953.6	.000
5800.0	982.0	284.5	-.0091	-.3002	106287.	.3	108.5	314.24	17.851	108.5	1936.8	.000
5700.0	982.0	284.4	-.0088	-.2966	105363.	.3	107.6	311.46	17.850	107.6	1919.9	.000
5600.0	981.9	284.4	-.0085	-.2929	104431.	.3	106.6	308.65	17.849	106.6	1902.8	.000
5500.0	981.9	284.3	-.0083	-.2893	103491.	.3	105.6	305.82	17.847	105.6	1885.5	.000
5400.0	981.8	284.2	-.0080	-.2856	102542.	.3	104.7	302.96	17.846	104.7	1868.1	.000
5300.0	981.8	284.1	-.0077	-.2820	101584.	.3	103.7	300.07	17.845	103.7	1850.6	.000
5200.0	981.7	284.0	-.0075	-.2784	100617.	.3	102.7	297.16	17.844	102.7	1832.8	.000
5100.0	981.7	283.9	-.0072	-.2747	99641.	.3	101.7	294.22	17.843	101.7	1814.9	.000
5000.0	981.7	283.9	-.0070	-.2711	98655.	.3	100.7	291.26	17.842	100.7	1796.9	.000
4900.0	981.6	283.8	-.0068	-.2674	97659.	.3	99.7	288.27	17.840	99.7	1778.8	.000
4800.0	981.6	283.7	-.0065	-.2638	96653.	.3	98.7	285.24	17.839	98.7	1760.2	.000
4700.0	981.5	283.6	-.0063	-.2601	95636.	.3	97.6	282.19	17.838	97.6	1741.5	.000
4600.0	981.5	283.5	-.0061	-.2565	94608.	.3	96.6	279.11	17.837	96.6	1722.7	.000
4500.0	981.4	283.5	-.0058	-.2528	93568.	.3	95.5	275.99	17.836	95.5	1703.7	.000
4400.0	981.4	283.4	-.0056	-.2492	92517.	.3	94.4	272.84	17.835	94.4	1684.4	.000
4300.0	981.3	283.3	-.0054	-.2455	91454.	.3	93.3	269.66	17.833	93.4	1665.0	.000
4200.0	981.3	283.2	-.0052	-.2418	90379.	.3	92.2	266.44	17.832	92.3	1645.3	.000
4100.0	981.3	283.1	-.0050	-.2381	89290.	.3	91.2	263.19	17.831	91.2	1625.4	.000
4000.0	981.2	283.0	-.0048	-.2344	88188.	.3	90.0	259.88	17.830	90.0	1605.2	.000
3900.0	981.2	283.0	-.0046	-.2307	87072.	.3	88.9	256.55	17.829	88.9	1584.8	.000
3800.0	981.1	282.9	-.0044	-.2270	85941.	.3	87.7	253.17	17.828	87.7	1564.1	.000
3700.0	981.1	282.8	-.0043	-.2233	84795.	.3	86.6	249.75	17.826	86.6	1543.2	.000
3600.0	981.0	282.7	-.0040	-.2195	83634.	.3	85.4	246.28	17.825	85.4	1521.9	.000
3500.0	981.0	282.6	-.0039	-.2157	82456.	.3	84.2	242.77	17.824	84.2	1500.4	.000
3400.0	980.9	282.5	-.0037	-.2120	81261.	.3	83.0	239.21	17.823	83.0	1478.5	.000
3300.0	980.9	282.5	-.0035	-.2081	80048.	.3	81.8	235.58	17.822	81.9	1456.4	.000
3200.0	980.9	282.4	-.0033	-.2043	78816.	.3	80.5	231.93	17.820	80.5	1433.9	.000
3100.0	980.8	282.3	-.0032	-.2004	77565.	.3	79.2	228.20	17.819	79.2	1411.0	.000
3000.0	980.8	282.2	-.0030	-.1965	76293.	.3	77.9	224.42	17.818	77.9	1387.8	.000
2900.0	980.7	282.1	-.0028	-.1926	74999.	.3	76.6	220.57	17.817	76.7	1364.2	.000
2800.0	980.7	282.1	-.0027	-.1887	73683.	.3	75.2	216.66	17.816	75.2	1340.2	.000
2700.0	980.6	282.0	-.0025	-.1847	72343.	.3	73.9	212.68	17.815	73.9	1315.7	.000
2600.0	980.6	281.9	-.0024	-.1806	70978.	.3	72.5	208.63	17.813	72.5	1290.8	.000
2500.0	980.6	281.8	-.0023	-.1765	69585.	.3	71.0	204.50	17.812	71.0	1265.4	.000
2400.0	980.5	281.7	-.0021	-.1724	68164.	.3	69.6	200.29	17.811	69.6	1239.5	.000
2300.0	980.5	281.6	-.0020	-.1682	66713.	.3	68.1	195.99	17.810	68.1	1213.0	.000
2200.0	980.4	281.6	-.0018	-.1640	65230.	.3	66.6	191.59	17.809	66.6	1186.0	.000
2100.0	980.4	281.5	-.0017	-.1597	63711.	.3	65.0	189.10	17.808	65.0	1159.3	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 340 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
2000.0	980.3	281.4	-.0016	-.1553	62156.	.3	63.5	182.50	17.806	63.5	1129.9	.000
1900.0	980.3	281.3	-.0015	-.1508	60901.	.3	61.8	177.78	17.805	61.8	1100.9	.000
1800.0	980.2	281.2	-.0014	-.1467	59737.	.3	60.2	173.94	17.804	60.3	1071.0	.000
1700.0	980.2	281.2	-.0012	-.1417	57237.	.3	58.4	167.97	17.803	58.4	1040.3	.000
1600.0	980.2	281.1	-.0311	-.1369	55501.	.3	56.7	162.84	17.802	56.7	1008.7	.000
1500.0	980.1	281.0	-.0310	-.1321	53708.	.3	54.8	157.55	17.800	54.8	974.0	.000
1400.0	980.1	280.9	-.0309	-.1274	51853.	.3	52.9	152.08	17.799	52.9	942.3	.000
1300.0	980.0	280.8	-.0308	-.1219	49929.	.3	51.0	146.41	17.798	51.0	907.3	.000
1200.0	980.0	280.7	-.0307	-.1166	47934.	.3	48.9	140.52	17.797	48.9	870.8	.000
1100.0	979.9	280.7	-.0306	-.1111	45840.	.3	46.8	134.37	17.796	46.8	832.8	.000
1000.0	979.9	280.6	-.0306	-.1053	43652.	.3	44.6	127.93	17.795	44.6	793.0	.000
900.0	979.8	280.5	-.0305	-.0995	41348.	.3	42.2	121.16	17.793	42.2	751.1	.000
800.0	979.8	280.4	-.0304	-.0929	38908.	.3	39.7	114.00	17.792	39.7	706.8	.000
700.0	979.7	280.3	-.0303	-.0861	36304.	.3	37.1	106.34	17.791	37.1	659.4	.000
600.0	979.7	280.2	-.0003	-.0788	33498.	.3	34.2	98.10	17.790	34.2	608.4	.000
500.0	979.7	280.2	-.0302	-.0708	30434.	.3	31.1	89.11	17.789	31.1	552.7	.000
400.0	979.6	280.1	-.0701	-.0619	27025.	.3	27.6	79.17	17.788	27.6	490.8	.000
300.0	979.6	280.0	-.0001	-.0517	23119.	.3	23.6	67.67	17.786	23.6	419.8	.000
200.0	979.5	279.9	-.0300	-.0392	18401.	.3	18.8	53.95	17.785	18.8	334.1	.000
100.0	979.5	279.8	-.0300	-.0220	11946.	.3	12.2	34.95	17.784	12.2	216.9	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 350 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XE
22120.0	983.3	339.4	********	*********	206943.	.5	212.4	434.07	15.768	212.4	3349.2	.000
22100.0	983.3	339.4	-4.7612	-14.1364	206850.	.5	212.3	433.86	15.768	212.3	3347.6	.000
22000.0	983.3	339.3	-1.5459	-5.7398	206382.	.5	211.8	432.80	15.767	211.8	3339.8	.000
21900.0	983.2	339.2	-1.1124	-4.3145	205914.	.5	211.3	431.71	15.766	211.3	3332.0	.000
21800.0	983.2	339.1	-.8886	-3.6349	205444.	.5	210.9	430.57	15.765	210.9	3324.1	.000
21700.0	983.1	339.1	-.7675	-3.2155	204973.	.5	210.4	429.60	15.764	210.4	3316.4	.000
21600.0	983.1	339.0	-.6769	-2.9223	204501.	.5	209.9	428.33	15.763	209.9	3308.5	.000
21500.0	983.1	338.9	-.6091	-2.7017	204028.	.5	209.4	427.46	15.761	209.4	3300.7	.000
21400.0	983.0	338.8	-.5560	-2.5293	203554.	.5	208.9	426.39	15.760	208.9	3292.8	.000
21300.0	983.0	338.7	-.5129	-2.3865	203078.	.5	208.4	425.31	15.759	208.4	3284.9	.000
21200.0	982.9	338.7	-.4768	-2.2665	202602.	.5	208.0	424.23	15.758	208.0	3277.0	.000
21100.0	982.9	338.6	-.4462	-2.1615	202124.	.5	207.5	423.16	15.757	207.5	3269.0	.000
21000.0	982.8	338.5	-.4196	-2.0717	201644.	.5	207.0	422.07	15.756	207.0	3261.1	.000
20900.0	982.8	338.4	-.3963	-1.9923	201160.	.5	206.5	420.99	15.755	206.5	3253.1	.000
20800.0	982.8	338.3	-.3756	-1.9214	200685.	.5	206.0	419.91	15.754	206.0	3245.1	.000
20700.0	982.7	338.3	-.3571	-1.8574	200202.	.5	205.5	418.82	15.753	205.5	3237.1	.000
20600.0	982.7	338.2	-.3404	-1.7992	199719.	.5	205.0	417.73	15.752	205.0	3229.1	.000
20500.0	982.6	338.1	-.3252	-1.7459	199234.	.5	204.5	416.64	15.751	204.5	3221.1	.000
20400.0	982.6	338.0	-.3112	-1.6968	198749.	.5	204.0	415.54	15.750	204.0	3213.0	.000
20300.0	982.5	337.9	-.2984	-1.6513	198262.	.5	203.5	414.45	15.749	203.5	3204.9	.000
20200.0	982.5	337.9	-.2866	-1.6090	197773.	.5	203.0	413.34	15.748	203.0	3196.9	.000
20100.0	982.5	337.8	-.2756	-1.5695	197284.	.5	202.5	412.25	15.746	202.5	3188.7	.000
20000.0	982.4	337.7	-.2654	-1.5324	196793.	.5	202.0	411.15	15.745	202.0	3180.6	.000
19900.0	982.4	337.6	-.2559	-1.4975	196302.	.5	201.5	410.04	15.744	201.5	3172.4	.000
19800.0	982.3	337.5	-.2469	-1.4645	195808.	.5	201.0	408.94	15.743	201.0	3164.2	.000
19700.0	982.3	337.4	-.2385	-1.4333	195314.	.5	200.5	407.83	15.742	200.5	3156.0	.000
19600.0	982.2	337.4	-.2306	-1.4037	194818.	.5	200.0	406.72	15.741	200.0	3147.8	.000
19500.0	982.2	337.3	-.2231	-1.3755	194321.	.5	199.5	405.60	15.740	199.5	3139.5	.000
19400.0	982.2	337.2	-.2160	-1.3487	193823.	.5	199.0	404.49	15.739	199.0	3131.3	.000
19300.0	982.1	337.1	-.2093	-1.3231	193323.	.5	198.4	403.37	15.739	198.4	3123.0	.000
19200.0	982.1	337.0	-.2029	-1.2986	192822.	.5	197.9	402.25	15.737	197.9	3114.8	.000
19100.0	982.0	337.0	-.1968	-1.2751	192320.	.5	197.4	401.13	15.736	197.4	3106.5	.000
19000.0	982.0	336.9	-.1910	-1.2526	191817.	.5	196.9	400.00	15.735	196.9	3098.1	.000
18900.0	981.9	336.8	-.1855	-1.2310	191312.	.5	196.4	398.87	15.734	196.4	3089.8	.000
18800.0	981.9	336.7	-.1802	-1.2102	190806.	.5	195.9	397.74	15.733	195.9	3081.4	.000
18700.0	981.8	336.6	-.1752	-1.1902	190298.	.5	195.3	396.61	15.732	195.3	3073.0	.000
18600.0	981.8	336.6	-.1703	-1.1708	189789.	.5	194.8	395.48	15.730	194.8	3064.6	.000
18500.0	981.8	336.5	-.1657	-1.1522	189279.	.5	194.3	394.34	15.729	194.3	3056.1	.000
18400.0	981.7	336.4	-.1613	-1.1342	188767.	.5	193.8	393.20	15.728	193.8	3047.7	.000
18300.0	981.7	336.3	-.1570	-1.1168	188254.	.5	193.2	392.06	15.727	193.2	3039.2	.000
18200.0	981.6	336.2	-.1529	-1.1000	187739.	.5	192.7	390.91	15.726	192.7	3030.7	.000
18100.0	981.6	336.2	-.1489	-1.0838	187223.	.5	192.2	389.76	15.725	192.2	3022.2	.000
18000.0	981.5	336.1	-.1451	-1.0680	186706.	.5	191.7	388.61	15.724	191.7	3013.6	.000
17900.0	981.5	336.0	-.1415	-1.0527	186187.	.5	191.1	387.46	15.723	191.1	3005.0	.000
17800.0	981.5	335.9	-.1379	-1.0379	185666.	.5	190.6	386.30	15.722	190.6	2996.4	.000
17700.0	981.4	335.8	-.1345	-1.0235	185145.	.5	190.1	385.15	15.721	190.1	2987.8	.000
17600.0	981.4	335.8	-.1312	-1.0095	184621.	.5	189.5	383.98	15.720	189.5	2979.2	.000
17500.0	981.3	335.7	-.1280	-.9960	184096.	.5	189.0	382.82	15.719	189.0	2970.5	.000
17400.0	981.3	335.6	-.1249	-.9828	183570.	.5	188.4	381.65	15.718	188.4	2961.9	.000
17300.0	981.2	335.5	-.1220	-.9699	183042.	.5	187.9	380.49	15.717	187.9	2953.1	.000
17200.0	981.2	335.4	-.1191	-.9575	182512.	.5	187.4	379.31	15.715	187.4	2944.4	.000
17100.0	981.2	335.4	-.1163	-.9453	181981.	.5	186.8	378.14	15.714	186.8	2935.6	.000
17000.0	981.1	335.3	-.1137	-.9335	181449.	.5	186.3	376.96	15.713	186.3	2926.9	.000
16900.0	981.1	335.2	-.1111	-.9219	180915.	.5	185.7	375.78	15.712	185.7	2918.1	.000
16800.0	981.0	335.1	-.1088	-.9107	180379.	.5	185.2	374.60	15.711	185.2	2909.2	.000
16700.0	981.0	335.0	-.1065	-.8997	179841.	.5	184.6	373.41	15.710	184.6	2900.4	.000
16600.0	980.9	335.0	-.1043	-.8890	179302.	.5	184.1	372.22	15.709	184.1	2891.5	.000
16500.0	980.9	334.9	-.1015	-.8789	178762.	.5	183.5	371.03	15.708	183.5	2882.6	.000
16400.0	980.8	334.8	-.0992	-.8686	178219.	.5	183.0	369.83	15.707	183.0	2873.6	.000
16300.0	980.8	334.7	-.0972	-.8586	177675.	.5	182.4	368.64	15.706	182.4	2864.7	.000
16200.0	980.8	334.6	-.0950	-.8488	177130.	.5	181.8	367.43	15.706	181.8	2855.7	.000
16100.0	980.7	334.6	-.0929	-.8392	176582.	.5	181.3	366.23	15.704	181.3	2846.7	.000
16000.0	980.7	334.5	-.0909	-.8297	176033.	.5	180.7	365.02	15.703	180.7	2837.7	.000
15900.0	980.6	334.4	-.0890	-.8205	175482.	.5	180.1	363.81	15.701	180.1	2828.6	.000
15800.0	980.6	334.3	-.0871	-.8114	174930.	.5	179.6	362.60	15.700	179.6	2819.5	.000
15700.0	980.6	334.2	-.0852	-.8025	174375.	.5	179.0	361.38	15.698	179.0	2810.4	.000
15600.0	980.5	334.2	-.0834	-.7938	173819.	.5	178.4	360.16	15.698	178.4	2801.2	.000
15500.0	980.5	334.1	-.0816	-.7852	173261.	.5	177.9	358.93	15.697	177.9	2792.1	.000
15400.0	980.4	334.0	-.0799	-.7768	172701.	.5	177.3	357.71	15.696	177.3	2782.9	.000
15300.0	980.4	333.9	-.0782	-.7685	172140.	.5	176.7	356.48	15.695	176.7	2773.6	.000
15200.0	980.3	333.8	-.0765	-.7604	171576.	.5	176.1	355.24	15.694	176.1	2764.4	.000
15100.0	980.3	333.8	-.0750	-.7524	171011.	.5	175.6	354.01	15.693	175.6	2755.1	.000
15000.0	980.2	333.7	-.0735	-.7445	170444.	.5	175.0	352.76	15.692	175.0	2745.8	.000
14900.0	980.2	333.6	-.0719	-.7368	169875.	.5	174.4	351.52	15.691	174.4	2736.4	.000
14800.0	980.2	333.5	-.0704	-.7292	169303.	.5	173.8	350.27	15.690	173.8	2727.0	.000
14700.0	980.1	333.4	-.0690	-.7217	168730.	.5	173.2	349.02	15.689	173.2	2717.6	.000
14600.0	980.1	333.4	-.0676	-.7143	168155.	.5	172.6	347.77	15.688	172.6	2708.2	.000
14500.0	980.0	333.3	-.0662	-.7071	167578.	.5	172.0	346.51	15.686	172.0	2698.7	.000
14400.0	980.0	333.2	-.0648	-.6999	166999.	.5	171.4	345.24	15.685	171.4	2689.2	.000
14300.0	979.9	333.1	-.0635	-.6929	166418.	.5	170.9	343.98	15.684	170.9	2679.7	.000
14200.0	979.9	333.0	-.0622	-.6859	165835.	.5	170.3	342.71	15.683	170.3	2670.1	.000
14100.0	979.9	333.0	-.0609	-.6791	165250.	.5	169.7	341.43	15.682	169.7	2660.5	.000
14000.0	979.8	332.9	-.0597	-.6723	164662.	.5	169.1	340.15	15.681	169.1	2650.9	.000
13900.0	979.8	332.8	-.0585	-.6657	164073.	.5	168.4	338.87	15.680	168.4	2641.2	.000
13800.0	979.7	332.7	-.0573	-.6591	163481.	.5	167.8	337.59	15.679	167.8	2631.5	.000
13700.0	979.7	332.6	-.0561	-.6526	162886.	.5	167.2	336.30	15.678	167.2	2621.8	.000
13600.0	979.6	332.6	-.0550	-.6462	162292.	.5	166.6	335.00	15.677	166.6	2612.0	.000
13500.0	979.6	332.5	-.0539	-.6399	161694.	.5	166.0	333.71	15.676	166.0	2602.2	.000
13400.0	979.5	332.4	-.0528	-.6337	161093.	.5	165.4	332.40	15.675	165.4	2592.4	.000
13300.0	979.5	332.3	-.0517	-.6275	160490.	.5	164.8	331.10	15.673	164.8	2582.5	.000
13200.0	979.5	332.2	-.0507	-.6214	159885.	.5	164.2	329.79	15.672	164.2	2572.6	.000
13100.0	979.4	332.2	-.0496	-.6154	159278.	.5	163.5	328.47	15.671	163.5	2562.7	.000
13000.0	979.4	332.1	-.0486	-.6095	158669.	.5	162.9	327.15	15.670	162.9	2552.7	.000
12900.0	979.3	332.0	-.0476	-.6037	158057.	.5	162.3	325.83	15.669	162.3	2542.7	.000
12800.0	979.3	331.9	-.0467	-.5979	157443.	.5	161.6	324.50	15.668	161.6	2532.7	.000
12700.0	979.2	331.8	-.0457	-.5921	156825.	.5	161.0	323.17	15.667	161.0	2522.6	.000
12600.0	979.2	331.8	-.0448	-.5865	156206.	.5	160.4	321.83	15.666	160.4	2512.4	.000
12500.0	979.2	331.7	-.0439	-.5809	155584.	.5	159.7	320.49	15.665	159.7	2502.3	.000
12400.0	979.1	331.6	-.0430	-.5754	154960.	.5	159.1	319.14	15.664	159.1	2492.1	.000
12300.0	979.1	331.5	-.0421	-.5699	154333.	.5	158.4	317.79	15.663	158.5	2481.8	.000
12200.0	979.0	331.4	-.0413	-.5645	153704.	.5	157.8	316.43	15.662	157.8	2471.6	.000
12100.0	979.0	331.4	-.0404	-.5591	153072.	.5	157.2	315.07	15.661	157.2	2461.2	.000

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 350 C)

PO KPa	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AMF M/S	VAVG M/S	HAVG	SLIP	VL M/S	VV M/S	XF
12000.0	978.9	331.3	-.0396	-.5538	152437.	.5	156.5	313.71	15.659	156.5	2450.9	.000
11900.0	978.9	331.2	-.0388	-.5486	151800.	.5	155.9	312.34	15.658	155.9	2440.8	.000
11800.0	978.8	331.1	-.0380	-.5434	151160.	.5	155.3	310.96	15.657	155.2	2430.8	.000
11700.0	978.8	331.0	-.0372	-.5382	150519.	.5	154.5	309.58	15.656	154.5	2419.8	.000
11600.0	978.8	331.0	-.0365	-.5331	149871.	.5	153.9	308.19	15.655	153.9	2409.0	.000
11500.0	978.7	330.9	-.0357	-.5281	149223.	.5	153.2	306.80	15.654	153.2	2398.4	.000
11400.0	978.7	330.9	-.0350	-.5231	148577.	.5	152.6	305.40	15.653	152.6	2387.8	.000
11300.0	978.6	330.8	-.0342	-.5181	147930.	.5	151.9	304.00	15.652	151.9	2377.1	.000
11200.0	978.6	330.8	-.0335	-.5132	147280.	.5	151.2	302.59	15.651	151.2	2366.4	.000
11100.0	978.5	330.8	-.0328	-.5084	146600.	.5	150.5	301.18	15.650	150.5	2355.6	.000
11000.0	978.5	330.7	-.0322	-.5035	145937.	.5	149.8	299.76	15.649	149.8	2344.8	.000
10900.0	978.5	330.6	-.0315	-.4988	145271.	.5	149.2	298.33	15.648	149.2	2334.0	.000
10800.0	978.4	330.5	-.0308	-.4940	144602.	.5	148.5	296.90	15.646	148.5	2323.1	.000
10700.0	978.4	330.4	-.0302	-.4893	143930.	.5	147.8	295.47	15.645	147.8	2312.1	.000
10600.0	978.3	330.4	-.0295	-.4847	143254.	.5	147.1	294.02	15.644	147.1	2301.1	.000
10500.0	978.3	330.3	-.0289	-.4801	142575.	.5	146.4	292.58	15.643	146.4	2290.0	.000
10400.0	978.2	330.2	-.0282	-.4754	141893.	.5	145.7	291.12	15.642	145.7	2278.9	.000
10300.0	978.2	330.0	-.0277	-.4709	141204.	.5	145.0	289.66	15.641	145.0	2267.8	.000
10200.0	978.1	329.8	-.0271	-.4664	140519.	.5	144.3	288.19	15.640	144.3	2256.6	.000
10100.0	978.1	329.8	-.0265	-.4620	139827.	.5	143.6	286.72	15.639	143.6	2245.3	.000
10000.0	978.1	329.7	-.0259	-.4575	139132.	.5	142.9	285.24	15.638	142.9	2234.0	.000
9900.0	978.0	329.6	-.0254	-.4531	138433.	.5	142.1	283.75	15.637	142.1	2222.6	.000
9800.0	978.0	329.5	-.0248	-.4487	137730.	.5	141.4	282.25	15.636	141.4	2211.2	.000
9700.0	977.9	329.4	-.0243	-.4444	137024.	.5	140.7	280.75	15.635	140.7	2199.7	.000
9600.0	977.9	329.4	-.0237	-.4401	136314.	.5	140.0	279.25	15.633	140.0	2188.2	.000
9500.0	977.8	329.3	-.0232	-.4358	135600.	.5	139.2	277.73	15.632	139.2	2176.6	.000
9400.0	977.8	329.2	-.0227	-.4316	134882.	.5	138.5	276.21	15.631	138.5	2164.9	.000
9300.0	977.7	329.1	-.0221	-.4273	134161.	.5	137.8	274.68	15.630	137.8	2153.2	.000
9200.0	977.7	329.0	-.0216	-.4231	133436.	.5	137.0	273.14	15.629	137.0	2141.4	.000
9100.0	977.7	329.0	-.0212	-.4190	132706.	.5	136.3	271.60	15.628	136.3	2129.6	.000
9000.0	977.6	328.9	-.0207	-.4148	131973.	.5	135.5	270.04	15.627	135.5	2117.7	.000
8900.0	977.6	328.8	-.0202	-.4107	131236.	.5	134.8	268.48	15.626	134.8	2105.7	.000
8800.0	977.5	328.7	-.0198	-.4066	130494.	.5	134.0	266.91	15.625	134.0	2093.5	.000
8700.0	977.5	328.6	-.0193	-.4025	129748.	.5	133.2	265.34	15.624	133.2	2081.5	.000
8600.0	977.4	328.6	-.0189	-.3985	128998.	.5	132.5	263.75	15.623	132.5	2069.4	.000
8500.0	977.4	328.5	-.0184	-.3945	128243.	.5	131.7	262.16	15.622	131.7	2057.1	.000
8400.0	977.3	328.4	-.0180	-.3905	127484.	.5	130.9	260.56	15.620	130.9	2044.8	.000
8300.0	977.3	328.3	-.0175	-.3865	126720.	.5	130.1	258.95	15.619	130.1	2032.4	.000
8200.0	977.3	328.2	-.0171	-.3825	125952.	.5	129.3	257.33	15.618	129.3	2020.0	.000
8100.0	977.2	328.2	-.0169	-.3786	125178.	.5	128.5	255.70	15.617	128.5	2007.4	.000
8000.0	977.2	328.1	-.0163	-.3747	124400.	.5	127.7	254.06	15.616	127.7	1994.8	.000
7900.0	977.1	328.0	-.0159	-.3708	123617.	.5	126.9	252.41	15.615	126.9	1982.1	.000
7800.0	977.1	327.9	-.0155	-.3669	122829.	.5	126.1	250.76	15.614	126.1	1969.4	.000
7700.0	977.0	327.8	-.0151	-.3631	122036.	.5	125.3	249.09	15.613	125.3	1956.5	.000
7600.0	977.0	327.8	-.0147	-.3592	121238.	.5	124.5	247.41	15.612	124.5	1943.6	.000
7500.0	976.9	327.7	-.0144	-.3554	120435.	.5	123.7	245.73	15.611	123.7	1930.6	.000
7400.0	976.9	327.6	-.0140	-.3516	119626.	.5	122.8	244.03	15.610	122.8	1917.5	.000
7300.0	976.9	327.5	-.0136	-.3478	118811.	.5	122.0	242.33	15.609	122.0	1904.3	.000
7200.0	976.8	327.4	-.0133	-.3440	117991.	.5	121.2	240.60	15.607	121.2	1891.0	.000
7100.0	976.8	327.4	-.0129	-.3402	117165.	.5	120.3	238.87	15.606	120.5	1877.7	.000
7000.0	976.7	327.3	-.0126	-.3365	116333.	.5	119.5	237.13	15.605	119.5	1864.2	.000
6900.0	976.7	327.2	-.0122	-.3327	115495.	.5	118.7	235.38	15.604	118.7	1850.7	.000
6800.0	976.6	327.1	-.0119	-.3290	114651.	.5	117.9	233.61	15.603	117.9	1837.0	.000
6700.0	976.6	327.0	-.0116	-.3253	113801.	.5	117.1	231.83	15.601	117.1	1823.3	.000
6600.0	976.5	326.9	-.0113	-.3216	112944.	.5	116.0	230.04	15.601	116.0	1809.4	.000
6500.0	976.5	326.9	-.0110	-.3179	112080.	.5	115.1	228.24	15.600	115.1	1795.5	.000
6400.0	976.5	326.8	-.0106	-.3142	111210.	.5	114.3	226.43	15.599	114.3	1781.4	.000
6300.0	976.4	326.7	-.0103	-.3105	110333.	.5	113.5	224.60	15.598	113.5	1767.3	.000
6200.0	976.4	326.6	-.0100	-.3069	109449.	.5	112.6	222.76	15.597	112.6	1753.0	.000
6100.0	976.3	326.5	-.0097	-.3032	108558.	.5	111.8	220.90	15.596	111.8	1738.6	.000
6000.0	976.3	326.5	-.0095	-.2996	107659.	.5	110.9	219.03	15.594	110.8	1724.1	.000
5900.0	976.2	326.4	-.0092	-.2959	106753.	.5	109.9	217.14	15.593	109.9	1709.5	.000
5800.0	976.2	326.3	-.0089	-.2923	105839.	.5	109.1	215.24	15.592	109.1	1694.8	.000
5700.0	976.1	326.2	-.0086	-.2887	104917.	.5	108.2	213.33	15.591	108.2	1679.8	.000
5600.0	976.1	326.1	-.0084	-.2850	103987.	.5	107.3	211.39	15.590	107.3	1664.8	.000
5500.0	976.1	326.1	-.0081	-.2814	103048.	.5	106.4	209.44	15.589	106.4	1649.7	.000
5400.0	976.0	326.0	-.0078	-.2778	102100.	.5	105.5	207.48	15.588	105.5	1634.4	.000
5300.0	976.0	325.9	-.0076	-.2742	101144.	.5	104.6	205.50	15.587	104.6	1619.0	.000
5200.0	975.9	325.8	-.0073	-.2705	100179.	.5	103.7	203.50	15.586	103.7	1603.4	.000
5100.0	975.9	325.7	-.0071	-.2669	99204.	.5	102.9	201.48	15.585	102.9	1587.7	.000
5000.0	975.8	325.7	-.0068	-.2633	98219.	.5	101.9	199.44	15.583	101.9	1571.9	.000
4900.0	975.8	325.6	-.0066	-.2597	97225.	.5	101.0	197.38	15.582	101.0	1555.9	.000
4800.0	975.7	325.5	-.0064	-.2561	96220.	.5	100.0	195.30	15.581	100.0	1539.7	.000
4700.0	975.7	325.4	-.0061	-.2525	95204.	.5	99.0	193.20	15.580	99.0	1523.3	.000
4600.0	975.6	325.3	-.0059	-.2488	94178.	.5	98.0	191.08	15.579	98.0	1506.8	.000
4500.0	975.6	325.3	-.0057	-.2452	93140.	.5	97.0	188.94	15.578	97.0	1490.1	.000
4400.0	975.5	325.2	-.0055	-.2416	92090.	.5	96.0	186.78	15.577	96.0	1473.2	.000
4300.0	975.5	325.1	-.0053	-.2379	91028.	.5	95.0	184.60	15.576	95.0	1456.1	.000
4200.0	975.5	325.0	-.0051	-.2343	89954.	.5	94.0	182.39	15.575	94.0	1438.9	.000
4100.0	975.4	324.9	-.0049	-.2306	88867.	.5	93.0	180.13	15.574	93.0	1421.3	.000
4000.0	975.4	324.9	-.0047	-.2269	87766.	.5	92.1	177.87	15.573	92.1	1403.5	.000
3900.0	975.3	324.8	-.0045	-.2233	86651.	.5	91.0	175.57	15.571	91.0	1385.4	.000
3800.0	975.3	324.7	-.0043	-.2196	85521.	.5	90.0	173.25	15.570	90.0	1367.0	.000
3700.0	975.2	324.6	-.0041	-.2159	84377.	.5	88.9	170.90	15.569	88.9	1348.2	.000
3600.0	975.2	324.5	-.0039	-.2121	83216.	.5	87.8	168.52	15.568	87.8	1329.1	.000
3500.0	975.2	324.5	-.0037	-.2084	82039.	.5	86.7	166.10	15.567	86.7	1309.6	.000
3400.0	975.1	324.4	-.0036	-.2046	80845.	.5	85.6	163.65	15.565	85.6	1289.6	.000
3300.0	975.1	324.3	-.0034	-.2008	79633.	.5	84.4	161.15	15.564	84.4	1269.2	.000
3200.0	975.0	324.2	-.0032	-.1970	78402.	.5	83.2	158.60	15.563	83.2	1248.3	.000
3100.0	975.0	324.2	-.0031	-.1932	77152.	.4	82.0	156.00	15.562	82.0	1226.8	.000
3000.0	974.9	324.1	-.0029	-.1893	75881.	.5	80.8	153.34	15.561	80.8	1204.8	.000
2900.0	974.9	324.0	-.0028	-.1854	74588.	.5	79.6	150.61	15.560	79.6	1182.2	.000
2800.0	974.8	323.9	-.0026	-.1814	73272.	.5	78.3	147.81	15.559	78.3	1159.0	.000
2700.0	974.8	323.8	-.0025	-.1775	71933.	.5	77.0	144.93	15.558	77.0	1135.2	.000
2600.0	974.7	323.7	-.0023	-.1735	70567.	.5	75.6	141.97	15.557	75.6	1110.6	.000
2500.0	974.7	323.7	-.0022	-.1694	69175.	.5	74.2	138.92	15.556	74.2	1085.3	.000
2400.0	974.7	323.6	-.0020	-.1653	67754.	.5	72.7	135.78	15.555	72.7	1059.2	.000
2300.0	974.6	323.5	-.0019	-.1610	66303.	.5	71.2	132.53	15.554	71.2	1032.4	.000
2200.0	974.6	323.4	-.0018	-.1570	64819.	.5	69.6	129.17	15.553	69.6	1004.6	.000
2100.0	974.5	323.3	-.0017	-.1527	63300.	.5	68.0	125.69	15.552	68.0	975.9	.000
2000.0	974.5	323.3	-.0016	-.1485	61744.	.5	66.3	122.08	15.551	66.3	946.2	.000
1900.0	974.4	323.2	-.0015	-.1442	60148.	.5	64.6	118.33	15.550	64.6	915.4	.000
1800.0	974.4	323.1	-.0014	-.1398	58509.	.5	62.8	114.42	15.549	62.8	883.4	.000
1700.0	974.3	323.1	-.0013	-.1354	56824.	.5	60.9	110.34	15.548	60.9	850.1	.000
1600.0	974.3	323.0	-.0012	-.1309	55088.	.5	58.9	106.07	15.547	58.9	815.4	.000
1500.0	974.2	322.9	-.0011	-.1263	53297.	.5	56.8	101.58	15.546	56.8	779.1	.000
1400.0	974.2	322.9	-.0010	-.1216	51446.	.5	54.6	96.85	15.545	54.6	741.1	.000
1300.0	974.1	322.8	-.0009	-.1168	49529.	.5	52.2	91.84	15.544	52.2	701.2	.000
1200.0	974.1	322.8	-.0008	-.1118	47540.	.5	49.7	86.52	15.543	49.7	659.2	.000
1100.0	974.0	322.7	-.0007	-.1066	45471.	.5	47.0	80.85	15.542	47.0	614.9	.000
1000.0	974.0	322.7	-.0006	-.1012	43313.	.5	44.1	74.78	15.541	44.1	568.0	.000
900.0	973.9	322.6	-.0005	-.0955	41056.	.5	40.9	68.24	15.540	40.9	518.2	.000
800.0	973.9	322.6	-.0004	-.0895	38688.	.5	37.4	61.15	15.539	37.4	465.0	.000
700.0	973.8	322.5	-.0003	-.0830	36195.	.5	33.5	53.39	15.538	33.5	407.8	.000
600.0	973.8	322.5	-.0002	-.0757	33555.	.5	29.1	44.78	15.537	29.1	345.6	.000
500.0	973.7	322.4	-.0001	-.0672	30737.	.5	24.0	35.04	15.536	24.0	276.8	.000
400.0	973.7	322.4	-.0001	-.0566	27677.	.5	17.8	23.68	15.535	17.8	197.8	.000
300.0	973.6	322.3	-.0000	-.0424	24232.	.5	10.0	9.94	15.534	10.0	97.4	.000
200.0	973.6	322.3	-.0000	-.0212	19966.	.5	0.0	0.00	15.533	0.0	0.0	.000
100.0	973.5	322.3	-.0000	.0000	13900.	.5	0.0	0.00	15.532	0.0	0.0	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 390 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
2000.0	974.5	323.3	-.0015	-.1493	61744.	.5	63.4	124.65	15.551	63.4	986.1	.000
1900.0	974.4	323.2	-.0014	-.1439	60147.	.5	61.8	121.40	15.550	61.8	960.6	.000
1800.0	974.4	323.1	-.0013	-.1394	58907.	.5	60.1	118.07	15.548	60.1	934.3	.000
1700.0	974.3	323.0	-.0012	-.1348	56870.	.5	58.4	114.64	15.547	58.4	907.3	.000
1600.0	974.3	322.9	-.0011	-.1301	55080.	.5	56.6	111.11	15.546	56.6	879.5	.000
1500.0	974.3	322.9	-.0010	-.1252	53284.	.5	54.7	107.46	15.545	54.7	850.7	.000
1400.0	974.2	322.8	-.0009	-.1203	51425.	.5	52.8	103.70	15.544	52.8	821.0	.000
1300.0	974.2	322.7	-.0008	-.1152	49497.	.5	50.8	99.79	15.543	50.8	790.2	.000
1200.0	974.1	322.6	-.0007	-.1099	47490.	.5	48.9	95.72	15.542	48.9	758.1	.000
1100.0	974.1	322.5	-.0006	-.1044	45394.	.5	46.6	91.48	15.541	46.7	724.6	.000
1000.0	974.0	322.5	-.0005	-.0987	43197.	.5	44.4	87.04	15.540	44.4	689.5	.000
900.0	974.0	322.4	-.0004	-.0927	40881.	.5	42.0	82.34	15.539	42.0	652.5	.000
800.0	973.9	322.3	-.0004	-.0863	38429.	.5	39.5	77.39	15.537	39.5	613.5	.000
700.0	973.9	322.2	-.0003	-.0796	35804.	.5	36.9	72.10	15.536	36.9	571.7	.000
600.0	973.8	322.1	-.0002	-.0723	32973.	.5	33.9	66.38	15.535	33.9	526.1	.000
500.0	973.8	322.1	-.0002	-.0644	29875.	.5	30.7	60.14	15.534	30.7	476.7	.000
400.0	973.8	322.0	-.0001	-.0555	26416.	.5	27.1	53.16	15.533	27.1	421.5	.000
300.0	973.7	321.9	-.0001	-.0454	22430.	.5	23.0	45.13	15.532	23.0	357.8	.000
200.0	973.7	321.8	-.0000	-.0329	17561.	.5	18.0	35.33	15.531	18.0	280.1	.000
100.0	973.6	321.7	-.0000	-.0159	10661.	.5	11.0	21.44	15.530	11.0	170.1	.000

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 360 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XE
22120.0	977.1	380.9	*******	********	209185.	.7	213.0	305.65	13.897	213.0	2959.8	.000
22100.0	977.1	380.9	-4.2469	-14.0004	208093.	.7	213.9	305.50	13.896	212.9	2958.4	.000
22000.0	977.1	380.8	-1.5598	-5.5816	203625.	.7	212.4	304.75	13.895	212.4	2951.5	.000
21900.0	977.0	380.7	-1.1378	-4.2595	203158.	.7	211.9	303.99	13.894	211.9	2944.6	.000
21800.0	977.0	380.7	-.8045	-3.5962	202689.	.7	211.4	303.24	13.893	211.4	2937.7	.000
21700.0	977.0	380.6	-.7940	-3.1507	202220.	.7	211.0	302.49	13.892	211.0	2930.7	.000
21600.0	976.9	380.5	-.6737	-2.8903	201749.	.7	210.4	301.73	13.892	210.4	2923.8	.000
21500.0	976.9	380.4	-.6062	-2.6717	201277.	.7	210.0	300.97	13.891	210.0	2916.8	.000
21400.0	976.8	380.4	-.5439	-2.4989	200804.	.7	209.5	300.21	13.890	209.5	2909.8	.000
21300.0	976.8	380.3	-.5102	-2.3574	200330.	.7	209.0	299.44	13.889	209.0	2902.8	.000
21200.0	976.7	380.2	-.4744	-2.2365	199855.	.7	208.5	298.69	13.888	208.5	2895.8	.000
21100.0	976.7	380.1	-.4438	-2.1364	201379.	.7	208.0	297.93	13.887	208.0	2888.8	.000
21000.0	976.7	380.0	-.4173	-2.0475	200901.	.7	207.5	297.17	13.886	207.5	2881.8	.000
20900.0	976.6	380.0	-.3941	-1.9684	200422.	.7	207.0	296.40	13.885	207.0	2874.7	.000
20800.0	976.6	379.9	-.3735	-1.8985	199943.	.7	206.5	295.63	13.884	206.5	2867.6	.000
20700.0	976.5	379.8	-.3550	-1.8351	199462.	.7	206.1	294.86	13.883	206.1	2860.5	.000
20600.0	976.5	379.7	-.3384	-1.7775	198980.	.7	205.6	294.09	13.882	205.6	2853.4	.000
20500.0	976.4	379.6	-.3232	-1.7247	198496.	.7	205.1	293.32	13.881	205.1	2846.3	.000
20400.0	976.4	379.6	-.3094	-1.6760	198012.	.7	204.6	292.54	13.880	204.6	2839.2	.000
20300.0	976.4	379.5	-.2966	-1.6310	197526.	.7	204.1	291.77	13.879	204.1	2832.0	.000
20200.0	976.3	379.4	-.2849	-1.5890	197039.	.7	203.6	290.99	13.878	203.6	2824.8	.000
20100.0	976.3	379.3	-.2739	-1.5498	196551.	.7	203.0	290.22	13.877	203.0	2817.6	.000
20000.0	976.2	379.3	-.2637	-1.5131	196062.	.7	202.5	289.44	13.876	202.5	2810.4	.000
19900.0	976.2	379.2	-.2542	-1.4785	195571.	.7	202.0	288.66	13.875	202.0	2803.2	.000
19800.0	976.1	379.1	-.2453	-1.4458	195078.	.7	201.5	287.88	13.874	201.5	2796.0	.000
19700.0	976.1	379.0	-.2369	-1.4149	194585.	.7	201.0	287.10	13.873	201.0	2788.7	.000
19600.0	976.0	378.9	-.2290	-1.3856	194091.	.7	200.5	286.31	13.872	200.5	2781.5	.000
19500.0	976.0	378.9	-.2216	-1.3577	193596.	.7	200.0	285.52	13.871	200.0	2774.2	.000
19400.0	976.0	378.8	-.2145	-1.3311	193099.	.7	199.5	284.73	13.870	199.5	2766.9	.000
19300.0	975.9	378.7	-.2078	-1.3057	192600.	.7	199.0	283.94	13.869	199.0	2759.6	.000
19200.0	975.9	378.6	-.2015	-1.2814	192101.	.7	198.5	283.15	13.868	198.4	2752.2	.000
19100.0	975.8	378.6	-.1954	-1.2582	191600.	.7	197.9	282.36	13.867	197.9	2744.8	.000
19000.0	975.8	378.5	-.1897	-1.2358	191098.	.7	197.4	281.56	13.866	197.4	2737.4	.000
18900.0	975.7	378.4	-.1842	-1.2144	190594.	.7	196.9	280.77	13.865	196.9	2730.0	.000
18800.0	975.7	378.3	-.1789	-1.1938	190089.	.7	196.4	279.97	13.864	196.4	2722.5	.000
18700.0	975.6	378.2	-.1739	-1.1739	189583.	.7	195.9	279.17	13.863	195.9	2715.0	.000
18600.0	975.6	378.2	-.1691	-1.1548	189075.	.7	195.3	278.37	13.862	195.3	2707.4	.000
18500.0	975.6	378.1	-.1645	-1.1363	188566.	.7	194.8	277.56	13.861	194.8	2700.3	.000
18400.0	975.5	378.0	-.1600	-1.1185	188056.	.7	194.3	276.76	13.860	194.3	2692.7	.000
18300.0	975.5	377.9	-.1558	-1.1013	187544.	.7	193.8	275.95	13.858	193.8	2685.1	.000
18200.0	975.4	377.9	-.1517	-1.0846	187031.	.7	193.2	275.14	13.858	193.2	2677.5	.000
18100.0	975.4	377.8	-.1478	-1.0685	186516.	.7	192.7	274.33	13.857	192.7	2670.2	.000
18000.0	975.3	377.7	-.1440	-1.0529	186000.	.7	192.2	273.52	13.856	192.2	2662.6	.000
17900.0	975.3	377.6	-.1403	-1.0377	185482.	.7	191.6	272.70	13.855	191.6	2655.0	.000
17800.0	975.3	377.5	-.1368	-1.0230	184963.	.7	191.1	271.88	13.854	191.1	2647.4	.000
17700.0	975.2	377.5	-.1334	-1.0088	184443.	.7	190.6	271.07	13.853	190.6	2639.8	.000
17600.0	975.2	377.4	-.1301	-.9949	183921.	.7	190.0	270.25	13.852	190.0	2632.1	.000
17500.0	975.1	377.3	-.1270	-.9815	183397.	.7	189.5	269.42	13.851	189.5	2624.5	.000
17400.0	975.1	377.2	-.1239	-.9684	182872.	.7	188.9	268.60	13.850	188.9	2616.8	.000
17300.0	975.0	377.1	-.1210	-.9557	182346.	.7	188.4	267.77	13.849	188.4	2609.1	.000
17200.0	975.0	377.1	-.1181	-.9433	181817.	.7	187.8	266.95	13.848	187.8	2601.3	.000
17100.0	974.9	377.0	-.1154	-.9313	181288.	.7	187.3	266.12	13.847	187.3	2593.6	.000
17000.0	974.9	376.9	-.1127	-.9195	180756.	.7	186.8	265.28	13.846	186.8	2585.8	.000
16900.0	974.9	376.8	-.1101	-.9081	180224.	.7	186.2	264.45	13.845	186.2	2578.0	.000
16800.0	974.8	376.8	-.1076	-.8969	179689.	.7	185.7	263.61	13.844	185.7	2570.2	.000
16700.0	974.8	376.7	-.1051	-.8861	179153.	.7	185.1	262.78	13.843	185.1	2562.3	.000
16600.0	974.7	376.6	-.1028	-.8754	178616.	.7	184.5	261.94	13.842	184.5	2554.5	.000
16500.0	974.7	376.5	-.1005	-.8656	178076.	.7	184.0	261.09	13.841	184.0	2546.6	.000
16400.0	974.6	376.4	-.0983	-.8557	177535.	.7	183.4	260.25	13.840	183.4	2538.7	.000
16300.0	974.6	376.3	-.0962	-.8463	176993.	.7	182.9	259.40	13.839	182.9	2530.8	.000
16200.0	974.5	376.3	-.0941	-.8370	176448.	.7	182.3	258.55	13.838	182.3	2522.8	.000
16100.0	974.5	376.2	-.0920	-.8280	175902.	.7	181.7	257.70	13.837	181.7	2514.8	.000
16000.0	974.5	376.1	-.0900	-.8187	175355.	.7	181.2	256.85	13.836	181.2	2506.8	.000
15900.0	974.4	376.1	-.0881	-.8075	174805.	.7	180.6	256.00	13.835	180.6	2498.8	.000
15800.0	974.4	376.0	-.0861	-.7986	174254.	.7	180.0	255.14	13.834	180.0	2490.7	.000
15700.0	974.3	375.9	-.0844	-.7897	173701.	.7	179.5	254.28	13.833	179.5	2482.7	.000
15600.0	974.3	375.8	-.0826	-.7811	173146.	.7	178.9	253.42	13.832	178.9	2474.6	.000
15500.0	974.2	375.7	-.0808	-.7725	172589.	.7	178.3	252.55	13.831	178.3	2466.4	.000
15400.0	974.2	375.7	-.0791	-.7642	172031.	.7	177.8	251.68	13.830	177.8	2458.3	.000
15300.0	974.1	375.6	-.0775	-.7560	171471.	.7	177.2	250.82	13.829	177.2	2450.1	.000
15200.0	974.1	375.5	-.0759	-.7480	170909.	.7	176.6	249.94	13.827	176.6	2441.8	.000
15100.0	974.1	375.4	-.0743	-.7400	170344.	.7	176.0	249.07	13.827	176.0	2433.7	.000
15000.0	974.0	375.3	-.0727	-.7322	169779.	.7	175.4	248.19	13.826	175.4	2425.5	.000
14900.0	974.0	375.3	-.0712	-.7244	169211.	.7	174.8	247.32	13.825	174.8	2417.2	.000
14800.0	973.9	375.2	-.0697	-.7170	168643.	.7	174.3	246.43	13.824	174.3	2408.9	.000
14700.0	973.9	375.1	-.0683	-.7096	168070.	.7	173.7	245.55	13.823	173.7	2400.5	.000
14600.0	973.8	375.0	-.0669	-.7023	167496.	.7	173.1	244.66	13.822	173.1	2392.2	.000
14500.0	973.8	375.0	-.0655	-.6951	166920.	.7	172.5	243.77	13.821	172.5	2383.8	.000
14400.0	973.7	374.9	-.0641	-.6880	166343.	.7	171.9	242.88	13.820	171.9	2375.4	.000
14300.0	973.7	374.8	-.0628	-.6810	165763.	.7	171.3	241.99	13.819	171.3	2367.0	.000
14200.0	973.7	374.7	-.0615	-.6741	165181.	.7	170.7	241.09	13.818	170.7	2358.4	.000
14100.0	973.6	374.6	-.0603	-.6673	164598.	.7	170.1	240.19	13.817	170.1	2350.0	.000
14000.0	973.6	374.5	-.0590	-.6606	164012.	.7	169.5	239.29	13.816	169.5	2341.5	.000
13900.0	973.5	374.5	-.0578	-.6540	163424.	.7	168.9	238.38	13.815	168.9	2332.9	.000
13800.0	973.5	374.4	-.0566	-.6475	162834.	.7	168.3	237.47	13.814	168.3	2324.3	.000
13700.0	973.4	374.3	-.0555	-.6411	162241.	.7	167.6	236.57	13.813	167.6	2315.7	.000
13600.0	973.4	374.3	-.0544	-.6347	161647.	.7	167.0	235.65	13.812	167.0	2307.1	.000
13500.0	973.3	374.2	-.0533	-.6285	161050.	.7	166.4	234.74	13.811	166.4	2298.4	.000
13400.0	973.3	374.1	-.0522	-.6223	160451.	.7	165.8	233.82	13.810	165.8	2289.7	.000
13300.0	973.3	374.0	-.0511	-.6162	159850.	.7	165.2	232.89	13.808	165.2	2281.0	.000
13200.0	973.2	373.9	-.0501	-.6102	159246.	.7	164.6	231.97	13.807	164.6	2272.2	.000
13100.0	973.2	373.9	-.0490	-.6042	158640.	.7	163.9	231.04	13.807	163.9	2263.4	.000
13000.0	973.1	373.8	-.0480	-.5983	158032.	.7	163.3	230.11	13.806	163.3	2254.6	.000
12900.0	973.1	373.7	-.0471	-.5923	157422.	.7	162.7	229.18	13.805	162.7	2245.7	.000
12800.0	973.0	373.6	-.0461	-.5864	156809.	.7	162.0	228.24	13.804	162.0	2236.8	.000
12700.0	973.0	373.5	-.0452	-.5805	156195.	.7	161.4	227.30	13.803	161.4	2227.9	.000
12600.0	972.9	373.5	-.0443	-.5745	155578.	.7	160.8	226.36	13.802	160.8	2218.9	.000
12500.0	972.9	373.4	-.0434	-.5700	154959.	.7	160.1	225.41	13.801	160.1	2209.9	.000
12400.0	972.9	373.3	-.0425	-.5644	154337.	.7	159.5	224.46	13.800	159.5	2200.9	.000
12300.0	972.8	373.2	-.0416	-.5530	153707.	.7	158.8	223.50	13.799	158.8	2191.8	.000
12200.0	972.8	373.2	-.0407	-.5537	153079.	.7	158.2	222.54	13.797	158.2	2182.7	.000
12100.0	972.7	373.1	-.0399	-.5484	152448.	.7	157.5	221.58	13.797	157.5	2173.6	.000

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 360 K)

PO KPA	RO KG/M3	HO KJ/KG	X3	A0	G KG/(S-M2)	AME M/S	VAVG M/S	HAVG	SLIP	VL M/S	VV M/S	XF
12000.0	972.7	373.0	-.0391	-.5431	1518815.	.7	156.9	220.62	13.796	156.9	2164.4	.000
11900.0	972.6	372.9	-.0389	-.5399	1511779.	.7	156.9	219.65	13.795	156.9	2155.2	.000
11800.0	972.6	372.8	-.0387	-.5367	1504541.	.7	155.6	218.68	13.794	155.6	2145.9	.000
11700.0	972.5	372.8	-.0385	-.5335	1497099.	.7	154.9	217.71	13.793	154.9	2136.6	.000
11600.0	972.5	372.7	-.0360	-.5216	1492755.	.7	154.2	216.73	13.792	154.2	2127.3	.000
11500.0	972.5	372.6	-.0352	-.5176	1488508.	.7	153.6	215.74	13.791	153.6	2117.9	.000
11400.0	972.4	372.5	-.0345	-.5126	1479959.	.7	152.9	214.76	13.790	152.9	2108.5	.000
11300.0	972.4	372.4	-.0338	-.5079	1471706.	.7	152.2	213.77	13.789	152.2	2099.1	.000
11200.0	972.3	372.4	-.0331	-.5028	1463750.	.7	151.6	212.77	13.788	151.6	2089.7	.000
11100.0	972.3	372.3	-.0324	-.4980	1459992.	.7	150.9	211.78	13.787	150.9	2080.1	.000
11000.0	972.2	372.2	-.0317	-.4932	1455330.	.7	150.2	210.78	13.786	150.2	2070.5	.000
10900.0	972.2	372.1	-.0310	-.4884	1446866.	.7	149.6	209.79	13.785	149.6	2060.9	.000
10800.0	972.1	372.0	-.0304	-.4838	1438798.	.7	148.9	208.79	13.784	148.9	2051.3	.000
10700.0	972.1	372.0	-.0297	-.4792	1431127.	.7	148.1	207.79	13.783	148.1	2041.6	.000
10600.0	972.0	371.9	-.0291	-.4745	1426853.	.7	147.4	206.73	13.782	147.4	2031.8	.000
10500.0	972.0	371.8	-.0285	-.4700	1419376.	.7	146.7	205.71	13.781	146.7	2022.0	.000
10400.0	971.9	371.8	-.0279	-.4654	1411796.	.7	146.0	204.68	13.780	146.0	2012.1	.000
10300.0	971.9	371.7	-.0273	-.4609	1404112.	.7	145.3	203.65	13.779	145.3	2002.3	.000
10200.0	971.8	371.6	-.0267	-.4564	1396324.	.7	144.6	202.61	13.778	144.6	1992.4	.000
10100.0	971.8	371.5	-.0261	-.4520	1392334.	.7	143.9	201.57	13.777	143.9	1982.4	.000
10000.0	971.8	371.4	-.0255	-.4476	1385540.	.7	143.2	200.53	13.776	143.2	1972.4	.000
9900.0	971.7	371.4	-.0250	-.4432	1377437.	.7	142.7	199.48	13.775	142.7	1962.3	.000
9800.0	971.7	371.3	-.0244	-.4389	1371411.	.7	141.7	198.42	13.774	141.7	1952.2	.000
9700.0	971.6	371.2	-.0239	-.4346	1363430.	.7	141.0	197.36	13.773	141.0	1942.1	.000
9600.0	971.6	371.1	-.0234	-.4303	1357284.	.7	140.3	196.30	13.772	140.3	1931.8	.000
9500.0	971.5	371.1	-.0228	-.4261	1350016.	.7	139.5	195.23	13.771	139.5	1921.6	.000
9400.0	971.5	371.0	-.0223	-.4218	1342299.	.7	138.8	194.16	13.770	138.8	1911.2	.000
9300.0	971.4	370.9	-.0218	-.4176	1335580.	.7	138.1	193.08	13.769	138.1	1900.9	.000
9200.0	971.4	370.9	-.0213	-.4135	1328556.	.7	137.3	191.99	13.768	137.3	1890.4	.000
9100.0	971.4	370.7	-.0208	-.4093	1321200.	.7	136.6	190.90	13.767	136.6	1880.0	.000
9000.0	971.3	370.7	-.0204	-.4052	1317196.	.7	135.8	189.81	13.766	135.8	1869.4	.000
8900.0	971.3	370.6	-.0199	-.4012	1306660.	.7	135.0	188.71	13.765	135.0	1858.8	.000
8800.0	971.2	370.5	-.0194	-.3971	1299320.	.7	134.3	187.60	13.764	134.3	1848.2	.000
8700.0	971.2	370.4	-.0190	-.3931	1291772.	.7	133.5	186.49	13.763	133.5	1837.4	.000
8600.0	971.1	370.4	-.0185	-.3890	1284211.	.7	132.7	185.37	13.762	132.7	1826.7	.000
8500.0	971.1	370.3	-.0181	-.3851	1276574.	.7	132.0	184.25	13.761	132.0	1815.8	.000
8400.0	971.0	370.2	-.0177	-.3811	1268816.	.7	131.2	183.12	13.760	131.2	1804.9	.000
8300.0	971.0	370.1	-.0172	-.3771	1261154.	.7	130.4	181.98	13.759	130.4	1794.0	.000
8200.0	971.0	370.0	-.0168	-.3733	1253187.	.7	129.6	180.84	13.758	129.6	1782.9	.000
8100.0	970.9	370.0	-.0164	-.3693	1244815.	.7	128.8	179.69	13.757	128.8	1771.8	.000
8000.0	970.9	369.9	-.0160	-.3654	1233838.	.7	128.0	178.53	13.756	128.0	1760.7	.000
7900.0	970.8	369.8	-.0156	-.3616	1230847.	.7	127.2	177.37	13.755	127.2	1749.4	.000
7800.0	970.8	369.7	-.0152	-.3577	1222771.	.7	126.4	176.20	13.754	126.4	1738.1	.000
7700.0	970.7	369.6	-.0148	-.3539	1215479.	.7	125.6	175.03	13.753	125.6	1726.7	.000
7600.0	970.7	369.6	-.0145	-.3501	1206887.	.7	124.7	173.84	13.752	124.7	1715.3	.000
7500.0	970.6	369.5	-.0141	-.3463	1198880.	.7	123.9	172.65	13.751	123.9	1703.8	.000
7400.0	970.6	369.4	-.0137	-.3425	1190773.	.7	123.1	171.45	13.750	123.1	1692.2	.000
7300.0	970.6	369.3	-.0134	-.3387	1182559.	.7	122.3	170.25	13.749	122.3	1680.6	.000
7200.0	970.5	369.3	-.0130	-.3350	1174411.	.7	121.4	169.04	13.748	121.4	1668.9	.000
7100.0	970.5	369.2	-.0127	-.3312	1166164.	.7	120.5	167.82	13.747	120.5	1656.9	.000
7000.0	970.4	369.1	-.0123	-.3275	1157866.	.7	119.7	166.59	13.746	119.7	1645.0	.000
6900.0	970.4	369.0	-.0120	-.3238	1149490.	.7	118.8	165.35	13.745	118.8	1633.0	.000
6800.0	970.3	368.9	-.0117	-.3201	1141074.	.7	117.9	164.11	13.744	117.9	1620.8	.000
6700.0	970.3	368.9	-.0113	-.3164	1132548.	.7	117.1	162.85	13.743	117.1	1608.5	.000
6600.0	970.2	368.8	-.0110	-.3127	1124021.	.7	116.2	161.59	13.742	116.2	1596.0	.000
6500.0	970.2	368.7	-.0107	-.3091	1115540.	.7	115.3	160.32	13.741	115.3	1583.2	.000
6400.0	970.1	368.6	-.0104	-.3054	1106922.	.7	114.4	159.04	13.740	114.4	1570.2	.000
6300.0	970.1	368.5	-.0101	-.3018	1098706.	.7	113.5	157.75	13.739	113.5	1557.0	.000
6200.0	970.0	368.5	-.0098	-.2981	1090213.	.7	112.6	156.45	13.738	112.6	1543.5	.000
6100.0	970.0	368.4	-.0095	-.2945	1084023.	.7	111.7	155.14	13.737	111.7	1533.8	.000
6000.0	970.0	368.3	-.0092	-.2909	1071126.	.7	110.7	153.82	13.736	110.7	1520.9	.000
5900.0	969.9	368.3	-.0090	-.2873	1062991.	.7	109.8	152.49	13.735	109.8	1509.0	.000
5800.0	969.9	368.2	-.0087	-.2837	1053108.	.7	108.9	151.15	13.734	108.9	1494.9	.000
5700.0	969.8	368.1	-.0084	-.2801	1043888.	.7	107.9	149.80	13.733	107.9	1481.8	.000
5600.0	969.8	368.0	-.0082	-.2765	1034459.	.7	106.9	148.43	13.732	106.9	1468.5	.000
5500.0	969.7	367.9	-.0079	-.2729	1025521.	.7	106.0	147.06	13.731	106.0	1455.1	.000
5400.0	969.7	367.9	-.0076	-.2693	1015771.	.7	105.0	145.67	13.730	105.0	1441.5	.000
5300.0	969.6	367.8	-.0074	-.2657	1006223.	.7	104.0	144.27	13.729	104.0	1427.9	.000
5200.0	969.6	367.7	-.0071	-.2621	996586.	.7	103.0	142.86	13.728	103.0	1414.1	.000
5100.0	969.5	367.6	-.0069	-.2585	986882.	.7	102.0	141.44	13.727	102.0	1400.2	.000
5000.0	969.5	367.5	-.0067	-.2549	976994.	.7	101.0	140.00	13.725	101.0	1386.1	.000
4900.0	969.4	367.5	-.0064	-.2513	967054.	.7	100.0	138.55	13.724	100.0	1371.8	.000
4800.0	969.4	367.4	-.0062	-.2477	957014.	.7	98.9	137.08	13.723	98.9	1357.4	.000
4700.0	969.4	367.3	-.0060	-.2441	946889.	.7	97.9	135.60	13.722	97.9	1342.7	.000
4600.0	969.3	367.2	-.0058	-.2405	936561.	.7	96.8	134.11	13.721	96.8	1328.0	.000
4500.0	969.3	367.2	-.0056	-.2369	926244.	.7	95.7	132.59	13.720	95.7	1313.2	.000
4400.0	969.2	367.1	-.0053	-.2333	915776.	.7	94.7	131.07	13.719	94.7	1298.2	.000
4300.0	969.2	367.0	-.0051	-.2297	905155.	.7	93.6	129.52	13.718	93.6	1283.0	.000
4200.0	969.1	366.9	-.0049	-.2261	894411.	.7	92.5	127.96	13.717	92.5	1268.0	.000
4100.0	969.1	366.8	-.0047	-.2225	883385.	.7	91.3	126.39	13.716	91.3	1252.9	.000
4000.0	969.0	366.8	-.0045	-.2188	872754.	.7	90.2	124.78	13.715	90.2	1237.1	.000
3900.0	969.0	366.7	-.0043	-.2152	861400.	.7	89.0	123.16	13.714	89.0	1221.1	.000
3800.0	968.9	366.6	-.0042	-.2116	850211.	.7	87.9	121.52	13.713	87.9	1205.1	.000
3700.0	968.9	366.5	-.0040	-.2079	838469.	.7	86.7	119.86	13.712	86.7	1188.8	.000
3600.0	968.9	366.4	-.0038	-.2041	827707.	.7	85.5	118.18	13.711	85.5	1172.3	.000
3500.0	968.8	366.4	-.0036	-.2004	815314.	.7	84.3	116.48	13.710	84.3	1155.5	.000
3400.0	968.8	366.3	-.0035	-.1966	803139.	.7	83.0	114.75	13.709	83.0	1138.4	.000
3300.0	968.7	366.2	-.0033	-.1929	791255.	.7	81.8	113.00	13.708	81.8	1121.1	.000
3200.0	968.7	366.1	-.0031	-.1891	779494.	.7	80.5	111.21	13.707	80.5	1103.4	.000
3100.0	968.6	366.1	-.0030	-.1853	766644.	.7	79.2	109.41	13.706	79.2	1086.0	.000
3000.0	968.6	366.0	-.0028	-.1814	753172.	.7	77.9	107.57	13.705	77.9	1067.9	.000
2900.0	968.5	365.9	-.0026	-.1776	740704.	.7	76.6	105.70	13.704	76.6	1049.5	.000
2800.0	968.5	365.8	-.0025	-.1737	727653.	.7	75.3	103.80	13.703	75.3	1030.8	.000
2700.0	968.4	365.7	-.0023	-.1697	714422.	.7	73.9	101.87	13.702	73.9	1011.7	.000
2600.0	968.4	365.7	-.0022	-.1657	700556.	.7	72.4	99.90	13.701	72.4	992.3	.000
2500.0	968.3	365.6	-.0021	-.1617	685635.	.7	71.0	97.90	13.700	71.0	972.5	.000
2400.0	968.3	365.5	-.0020	-.1576	672405.	.7	69.5	95.85	13.699	69.4	952.3	.000
2300.0	968.3	365.4	-.0019	-.1535	657579.	.7	68.0	93.76	13.698	68.0	931.6	.000
2200.0	968.2	365.4	-.0017	-.1493	643031.	.7	66.5	91.62	13.697	66.5	910.5	.000
2100.0	968.2	365.3	-.0016	-.1451	627990.	.7	64.9	89.43	13.696	64.9	888.9	.000

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 380 F)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AVG M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
2000.0	968.1	365.2	-.0215	-.1408	51220.	.7	63.3	87.20	13.695	63.3	866.8	.000
1900.0	968.1	365.1	-.0213	-.1394	49651.	.7	61.6	84.90	13.694	61.6	844.0	.000
1800.0	968.0	365.0	-.0211	-.1379	47976.	.7	59.9	82.54	13.693	59.9	820.3	.000
1700.0	968.0	365.0	-.0211	-.1379	46284.	.7	58.2	80.12	13.692	58.2	796.7	.000
1600.0	967.9	364.9	-.0210	-.1226	44539.	.7	56.4	77.69	13.691	56.4	772.0	.000
1500.0	967.9	364.8	-.0209	-.1178	42717.	.7	54.5	75.03	13.690	54.5	746.4	.000
1400.0	967.8	364.7	-.0208	-.1129	40870.	.7	52.6	72.37	13.689	52.6	719.9	.000
1300.0	967.8	364.7	-.0207	-.1098	38933.	.7	50.6	69.60	13.688	50.6	692.4	.000
1200.0	967.7	364.6	-.0206	-.1026	36915.	.7	48.5	66.71	13.687	48.4	663.9	.000
1100.0	967.7	364.5	-.0306	-.0971	44807.	.7	46.3	63.70	13.686	46.3	634.0	.000
1000.0	967.7	364.4	-.0305	-.0914	42594.	.7	44.0	60.54	13.685	44.0	602.6	.000
900.0	967.6	364.3	-.0304	-.0855	40259.	.7	41.6	57.21	13.684	41.6	569.6	.000
800.0	967.6	364.3	-.0303	-.0797	37841.	.7	39.1	53.68	13.683	39.1	534.8	.000
700.0	967.5	364.2	-.0303	-.0725	35128.	.7	36.3	49.90	13.682	36.3	496.9	.000
600.0	967.4	364.1	-.0002	-.0653	32257.	.7	33.3	45.81	13.681	33.3	454.3	.000
500.0	967.4	364.0	-.0302	-.0574	29105.	.7	30.1	41.33	13.680	30.1	411.6	.000
400.0	967.4	364.0	-.0301	-.0486	25567.	.7	26.4	36.30	13.679	26.4	361.6	.000
300.0	967.3	363.9	-.0301	-.0385	21447.	.7	22.2	30.45	13.678	22.2	303.4	.000
200.0	967.3	363.8	-.0300	-.0262	16333.	.7	16.9	23.18	13.677	16.9	230.9	.000
100.0	967.2	363.7	-.0300	-.0092	8560.	.7	8.9	12.14	13.676	8.9	121.0	.000

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 370 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	HO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XE
22120.0	970.5	422.5	*******	********	205339.	1.0	213.6	220.18	12.340	213.6	2635.6	.000
22100.0	970.5	422.5	-4.2313	-13.8549	205246.	1.0	213.5	220.07	12.340	213.5	2634.4	.000
22000.0	970.5	422.4	-1.5532	-5.6193	204781.	1.0	213.0	219.53	12.339	213.0	2628.2	.000
21900.0	970.4	422.4	-1.1378	-4.2714	204315.	1.0	212.5	219.00	12.338	212.5	2621.8	.000
21800.0	970.4	422.3	-.8002	-3.0549	203848.	1.0	212.0	218.46	12.337	212.0	2615.6	.000
21700.0	970.4	422.3	-.5007	-2.1435	203379.	1.0	211.5	217.93	12.336	211.5	2609.4	.000
21630.0	970.3	422.1	-.6702	-2.8550	202910.	1.0	211.1	217.39	12.335	211.1	2603.2	.000
21500.0	970.3	422.1	-.8030	-3.6396	202439.	1.0	210.6	216.80	12.334	210.6	2597.0	.000
21400.0	970.2	422.0	-.6074	-2.8545	201967.	1.0	210.1	216.32	12.333	210.1	2591.0	.000
21300.0	970.2	421.9	-.4107	-2.0737	201494.	1.0	209.6	215.78	12.332	209.6	2584.8	.000
21200.0	970.1	421.9	-.2120	-1.2930	201021.	1.0	209.1	215.24	12.331	209.1	2578.6	.000
21100.0	970.1	421.7	-.4417	-2.1096	200546.	1.0	208.6	214.60	12.330	208.6	2572.5	.000
21000.0	970.0	421.7	-.4148	-2.0715	200070.	1.0	208.1	214.04	12.329	208.1	2566.5	.000
20900.0	970.0	421.6	-.3877	-1.9474	199593.	1.0	207.6	213.49	12.328	207.6	2560.4	.000
20800.0	969.9	421.5	-.3605	-1.8233	199114.	1.0	207.1	212.94	12.327	207.1	2554.4	.000
20705.0	969.9	421.4	-.3362	-1.7142	198653.	1.0	206.6	212.38	12.326	206.6	2547.9	.000
20600.0	969.8	421.3	-.3711	-1.7019	197671.	1.0	205.6	211.27	12.325	205.6	2534.3	.000
20500.0	969.8	421.2	-.3437	-1.5838	197188.	1.0	205.1	210.71	12.324	205.1	2528.0	.000
20400.0	969.7	421.1	-.3162	-1.4658	196704.	1.0	204.6	210.15	12.323	204.6	2521.8	.000
20300.0	969.7	421.0	-.2887	-1.3476	196218.	1.0	204.1	209.59	12.322	204.1	2515.6	.000
20100.0	969.6	421.0	-.2731	-1.5288	195731.	1.0	203.6	209.02	12.321	203.6	2508.7	.000
20000.0	969.6	420.9	-.2519	-1.4926	195243.	1.0	203.1	208.46	12.320	203.1	2502.3	.000
19900.0	969.5	420.8	-.2336	-1.4582	194754.	1.0	202.6	207.90	12.319	202.6	2496.1	.000
19800.0	969.5	420.7	-.2152	-1.4238	194263.	1.0	202.1	207.33	12.318	202.1	2489.9	.000
19700.0	969.4	420.7	-.1968	-1.3894	193771.	1.0	201.6	206.76	12.317	201.6	2483.7	.000
19600.0	969.4	420.6	-.2274	-1.3662	193278.	1.0	201.1	206.19	12.317	201.1	2476.4	.000
19500.0	969.4	420.5	-.2090	-1.3385	192784.	1.0	200.6	205.63	12.316	200.6	2469.9	.000
19400.0	969.3	420.5	-.1906	-1.3107	192288.	1.0	200.0	205.06	12.315	200.0	2463.5	.000
19300.0	969.3	420.4	-.1723	-1.2829	191791.	1.0	199.5	204.48	12.314	199.5	2456.9	.000
19200.0	969.2	420.3	-.1539	-1.2551	191293.	1.0	199.0	203.91	12.313	199.0	2450.5	.000
19100.0	969.2	420.2	-.1939	-1.3400	190793.	1.0	198.5	203.34	12.312	198.5	2443.8	.000
19000.0	969.1	420.1	-.1842	-1.2179	190292.	1.0	198.0	202.76	12.311	198.0	2437.2	.000
18900.0	969.1	420.0	-.1658	-1.1956	189790.	1.0	197.4	202.18	12.310	197.4	2430.6	.000
18800.0	969.0	420.0	-.1475	-1.1733	189287.	1.0	196.9	201.61	12.309	196.9	2423.9	.000
18700.0	969.0	419.9	-.1291	-1.1509	188782.	1.0	196.4	201.03	12.308	196.4	2417.3	.000
18600.0	968.9	419.8	-.1577	-1.1376	188277.	1.0	195.9	200.45	12.307	195.9	2410.7	.000
18500.0	968.9	419.7	-.1331	-1.1193	187768.	1.0	195.3	199.87	12.307	195.3	2404.0	.000
18400.0	968.9	419.7	-.1147	-1.1017	187259.	1.0	194.8	199.29	12.306	194.8	2397.3	.000
18300.0	968.8	419.6	-.1545	-1.0846	186748.	1.0	194.3	198.70	12.305	194.3	2390.6	.000
18200.0	968.8	419.5	-.1504	-1.0681	186236.	1.0	193.8	198.11	12.304	193.8	2383.9	.000
18100.0	968.7	419.5	-.1465	-1.0553	185723.	1.0	193.2	197.53	12.303	193.2	2377.1	.000
18000.0	968.7	419.4	-.1427	-1.0367	185208.	1.0	192.7	196.95	12.302	192.7	2370.4	.000
17900.0	968.6	419.3	-.1389	-1.0217	184692.	1.0	192.2	196.37	12.301	192.2	2363.6	.000
17800.0	968.6	419.2	-.1356	-1.0071	184174.	1.0	191.7	195.78	12.300	191.7	2356.8	.000
17700.0	968.5	419.2	-.1322	-.9930	183655.	1.0	191.1	195.19	12.299	191.1	2350.0	.000
17600.0	968.5	419.1	-.1290	-.9793	183134.	1.0	190.5	194.58	12.298	190.5	2343.2	.000
17500.0	968.4	419.0	-.1255	-.9659	182612.	1.0	190.0	193.99	12.297	190.0	2336.3	.000
17400.0	968.4	418.9	-.1228	-.9530	182088.	1.0	189.4	193.39	12.296	189.4	2329.5	.000
17300.0	968.3	418.9	-.1200	-.9404	181563.	1.0	188.9	192.80	12.295	188.9	2322.6	.000
17200.0	968.3	418.8	-.1170	-.9281	181036.	1.0	188.4	192.20	12.294	188.4	2315.7	.000
17105.0	968.2	418.7	-.1143	-.9162	180508.	1.0	187.8	191.60	12.294	187.8	2308.4	.000
17000.0	968.2	418.6	-.1116	-.9046	179978.	1.0	187.3	191.00	12.293	187.3	2301.8	.000
16900.0	968.2	418.6	-.1090	-.8933	179447.	1.0	186.7	190.39	12.292	186.7	2294.9	.000
16800.0	968.1	418.5	-.1065	-.8822	178914.	1.0	186.2	189.79	12.291	186.2	2287.9	.000
16700.0	968.1	418.4	-.1041	-.8714	178379.	1.0	185.6	189.18	12.290	185.6	2280.9	.000
16600.0	968.0	418.3	-.1018	-.8609	177843.	1.0	185.0	188.58	12.289	185.0	2273.9	.000
16500.0	968.0	418.2	-.0995	-.8510	177305.	1.0	184.5	187.97	12.288	184.5	2266.8	.000
16400.0	967.9	418.2	-.0973	-.8409	176765.	1.0	183.9	187.36	12.287	183.9	2259.8	.000
16300.0	967.9	418.1	-.0952	-.8311	176224.	1.0	183.4	186.75	12.286	183.4	2252.7	.000
16200.0	967.8	418.0	-.0931	-.8214	175681.	1.0	182.8	186.13	12.285	182.8	2245.5	.000
16100.0	967.8	417.9	-.0911	-.8120	175136.	1.0	182.2	185.52	12.284	182.2	2238.5	.000
16000.0	967.8	417.9	-.0891	-.8027	174590.	1.0	181.7	184.90	12.284	181.7	2231.4	.000
15900.0	967.7	417.8	-.0872	-.7937	174042.	1.0	181.1	184.28	12.283	181.1	2224.2	.000
15800.0	967.7	417.7	-.0853	-.7847	173492.	1.0	180.5	183.66	12.282	180.5	2217.0	.000
15700.0	967.7	417.6	-.0835	-.7760	172940.	1.0	179.9	183.04	12.281	179.9	2209.8	.000
15600.0	967.6	417.6	-.0817	-.7674	172387.	1.0	179.4	182.42	12.280	179.4	2202.4	.000
15500.0	967.6	417.5	-.0800	-.7590	171832.	1.0	178.8	181.79	12.279	178.8	2195.3	.000
15400.0	967.5	417.4	-.0783	-.7507	171275.	1.0	178.2	181.17	12.278	178.2	2188.1	.000
15300.0	967.5	417.3	-.0766	-.7426	170716.	1.0	177.6	180.54	12.277	177.6	2180.8	.000
15200.0	967.4	417.3	-.0750	-.7346	170155.	1.0	177.0	179.91	12.276	177.0	2173.4	.000
15100.0	967.4	417.2	-.0734	-.7268	169593.	1.0	176.5	179.28	12.275	176.5	2166.1	.000
15000.0	967.3	417.1	-.0719	-.7190	169028.	1.0	175.9	178.65	12.274	175.9	2158.7	.000
14900.0	967.3	417.0	-.0704	-.7114	168462.	1.0	175.3	178.01	12.273	175.3	2151.3	.000
14800.0	967.2	416.9	-.0689	-.7040	167893.	1.0	174.7	177.37	12.272	174.7	2143.8	.000
14700.0	967.2	416.9	-.0675	-.6966	167323.	1.0	174.1	176.74	12.271	174.1	2136.4	.000
14600.0	967.2	416.8	-.0661	-.6894	166751.	1.0	173.5	176.09	12.271	173.5	2129.1	.000
14500.0	967.1	416.7	-.0647	-.6822	166177.	1.0	172.9	175.45	12.270	172.9	2121.6	.000
14400.0	967.1	416.6	-.0634	-.6752	165601.	1.0	172.3	174.81	12.269	172.3	2114.2	.000
14300.0	967.0	416.6	-.0621	-.6683	165023.	1.0	171.8	174.17	12.268	171.8	2106.6	.000
14200.0	967.0	416.5	-.0608	-.6614	164442.	1.0	171.2	173.53	12.267	171.2	2099.0	.000
14100.0	966.9	416.4	-.0595	-.6547	163860.	1.0	170.6	172.88	12.266	170.6	2091.4	.000
14000.0	966.9	416.3	-.0583	-.6481	163275.	1.0	169.9	172.21	12.265	169.9	2083.8	.000
13900.0	966.8	416.2	-.0571	-.6415	162689.	1.0	169.3	171.56	12.264	169.3	2076.2	.000
13800.0	966.8	416.2	-.0559	-.6351	162100.	1.0	168.7	170.90	12.263	168.7	2068.5	.000
13700.0	966.7	416.1	-.0548	-.6289	161509.	1.0	168.1	170.24	12.262	168.1	2060.9	.000
13600.0	966.7	416.0	-.0537	-.6224	160916.	1.0	167.4	169.58	12.261	167.4	2053.1	.000
13500.0	966.6	416.0	-.0526	-.6162	160320.	1.0	166.8	168.92	12.260	166.8	2045.4	.000
13400.0	966.6	415.9	-.0515	-.6101	159723.	1.0	166.2	168.26	12.259	166.2	2037.6	.000
13300.0	966.5	415.8	-.0504	-.6041	159124.	1.0	165.6	167.60	12.258	165.6	2029.8	.000
13200.0	966.5	415.8	-.0494	-.5981	158524.	1.0	165.0	166.93	12.258	165.0	2022.0	.000
13100.0	966.5	415.7	-.0484	-.5922	157919.	1.0	164.3	166.26	12.257	164.3	2014.1	.000
13000.0	966.4	415.6	-.0474	-.5864	157310.	1.0	163.7	165.58	12.256	163.7	2006.2	.000
12900.0	966.4	415.6	-.0464	-.5806	156701.	1.0	163.1	164.91	12.255	163.1	1998.3	.000
12800.0	966.3	415.5	-.0455	-.5748	156089.	1.0	162.4	164.23	12.254	162.4	1990.4	.000
12700.0	966.3	415.4	-.0445	-.5693	155475.	1.0	161.8	163.55	12.253	161.8	1982.4	.000
12600.0	966.2	415.3	-.0436	-.5637	154859.	1.0	161.2	162.87	12.252	161.2	1974.4	.000
12500.0	966.2	415.3	-.0426	-.5582	154240.	1.0	160.5	162.18	12.251	160.5	1966.4	.000
12400.0	966.1	415.2	-.0419	-.5528	153619.	1.0	159.9	161.50	12.250	159.9	1958.3	.000
12300.0	966.1	415.1	-.0410	-.5474	152995.	1.0	159.2	160.81	12.249	159.2	1950.2	.000
12200.0	966.0	415.0	-.0402	-.5421	152368.	1.0	158.6	160.12	12.248	158.6	1942.1	.000
12100.0	966.0	414.9	-.0393	-.5368	151739.	1.0	157.9	159.42	12.247	157.9	1934.0	.000

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 370 K)

PO kPa	RO kG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VBVC M/S	WAVG	SLIP	VL M/S	VV M/S	XF
17000.0	960.0	419.5	-.00385	-.53138	1331167.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
16500.0	960.0	419.5	-.00377	-.52064	1348853.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
16000.0	960.0	419.5	-.00369	-.50990	1366539.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
15500.0	960.0	419.5	-.00361	-.49917	1384225.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
15000.0	960.0	419.5	-.00354	-.48843	1401911.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
14500.0	960.0	419.5	-.00346	-.47769	1419597.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
14000.0	960.0	419.5	-.00338	-.46696	1437283.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
13500.0	960.0	419.5	-.00330	-.45622	1454969.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
13000.0	960.0	419.5	-.00322	-.44548	1472655.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
12500.0	960.0	419.5	-.00314	-.43475	1490341.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
12000.0	960.0	419.5	-.00306	-.42401	1508027.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
11500.0	960.0	419.5	-.00298	-.41327	1525713.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
11000.0	960.0	419.5	-.00290	-.40254	1543399.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
10500.0	960.0	419.5	-.00282	-.39180	1561085.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
10000.0	960.0	419.5	-.00274	-.38106	1578771.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
9500.0	960.0	419.5	-.00266	-.37033	1596457.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
9000.0	960.0	419.5	-.00258	-.35959	1614143.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
8500.0	960.0	419.5	-.00250	-.34885	1631829.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
8000.0	960.0	419.5	-.00242	-.33812	1649515.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
7500.0	960.0	419.5	-.00234	-.32738	1667201.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
7000.0	960.0	419.5	-.00226	-.31664	1684887.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
6500.0	960.0	419.5	-.00218	-.30591	1702573.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
6000.0	960.0	419.5	-.00210	-.29517	1720259.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
5500.0	960.0	419.5	-.00202	-.28443	1737945.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
5000.0	960.0	419.5	-.00194	-.27370	1755631.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
4500.0	960.0	419.5	-.00186	-.26296	1773317.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
4000.0	960.0	419.5	-.00178	-.25222	1791003.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
3500.0	960.0	419.5	-.00170	-.24149	1808689.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
3000.0	960.0	419.5	-.00162	-.23075	1826375.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
2500.0	960.0	419.5	-.00154	-.22001	1844061.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
2000.0	960.0	419.5	-.00146	-.20928	1861747.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
1500.0	960.0	419.5	-.00138	-.19854	1879433.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
1000.0	960.0	419.5	-.00130	-.18780	1897119.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
500.0	960.0	419.5	-.00122	-.17707	1914805.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
100.0	960.0	419.5	-.00116	-.16899	1927577.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
17000.0	960.0	419.5	-.00385	-.53138	1331167.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
16500.0	960.0	419.5	-.00377	-.52064	1348853.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
16000.0	960.0	419.5	-.00369	-.50990	1366539.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
15500.0	960.0	419.5	-.00361	-.49917	1384225.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
15000.0	960.0	419.5	-.00354	-.48843	1401911.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
14500.0	960.0	419.5	-.00346	-.47769	1419597.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
14000.0	960.0	419.5	-.00338	-.46696	1437283.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
13500.0	960.0	419.5	-.00330	-.45622	1454969.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
13000.0	960.0	419.5	-.00322	-.44548	1472655.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
12500.0	960.0	419.5	-.00314	-.43475	1490341.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
12000.0	960.0	419.5	-.00306	-.42401	1508027.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
11500.0	960.0	419.5	-.00298	-.41327	1525713.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
11000.0	960.0	419.5	-.00290	-.40254	1543399.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
10500.0	960.0	419.5	-.00282	-.39180	1561085.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
10000.0	960.0	419.5	-.00274	-.38106	1578771.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
9500.0	960.0	419.5	-.00266	-.37033	1596457.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
9000.0	960.0	419.5	-.00258	-.35959	1614143.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
8500.0	960.0	419.5	-.00250	-.34885	1631829.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
8000.0	960.0	419.5	-.00242	-.33812	1649515.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
7500.0	960.0	419.5	-.00234	-.32738	1667201.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
7000.0	960.0	419.5	-.00226	-.31664	1684887.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
6500.0	960.0	419.5	-.00218	-.30591	1702573.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
6000.0	960.0	419.5	-.00210	-.29517	1720259.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
5500.0	960.0	419.5	-.00202	-.28443	1737945.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
5000.0	960.0	419.5	-.00194	-.27370	1755631.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
4500.0	960.0	419.5	-.00186	-.26296	1773317.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
4000.0	960.0	419.5	-.00178	-.25222	1791003.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
3500.0	960.0	419.5	-.00170	-.24149	1808689.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
3000.0	960.0	419.5	-.00162	-.23075	1826375.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
2500.0	960.0	419.5	-.00154	-.22001	1844061.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
2000.0	960.0	419.5	-.00146	-.20928	1861747.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
1500.0	960.0	419.5	-.00138	-.19854	1879433.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
1000.0	960.0	419.5	-.00130	-.18780	1897119.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
500.0	960.0	419.5	-.00122	-.17707	1914805.	1.00	137.2	133.77	1.245	137.2	1038.8	.000
100.0	960.0	419.5	-.00116	-.16899	1927577.	1.00	137.2	133.77	1.245	137.2	1038.8	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 370 K)

P0 KPA	H0 KG/M3	U0 KJ/KG	X0	A0	XG/(S-M2) 0	AMS M/S	VAPO M/S	M4VG	SLIP	VL M/S	VV M/S	XF
1000.	961.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1100.	960.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1200.	960.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1300.	960.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1400.	960.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1500.	960.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1600.	960.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1700.	960.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1800.	960.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1900.	960.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000.	961.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2100.	961.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2200.	961.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2300.	961.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2400.	961.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2500.	961.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2600.	961.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2700.	961.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2800.	961.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2900.	961.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3000.	961.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3100.	961.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3200.	961.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3300.	961.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3400.	961.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3500.	961.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3600.	961.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3700.	961.	406.	0.000	1.000	4.2980E+03	0.000	0.000	0.000	0.000	0.000	0.000	0.000

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 380 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHF M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
22120.0	953.5	484.2	*******	********	204399.	1.3	214.2	161.93	11.032	214.2	2363.1	.000
22100.0	953.5	484.2	-4.2146	-13.7004	204307.	1.3	214.1	161.85	11.032	214.1	2362.6	.000
22000.0	953.5	484.1	-1.5461	-5.5532	203843.	1.3	213.8	161.45	11.031	213.8	2358.4	.000
21900.0	953.4	484.0	-1.0095	-4.1705	203378.	1.3	213.5	161.05	11.030	213.5	2354.3	.000
21800.0	953.4	484.0	-.7856	-3.5109	202913.	1.3	213.2	160.64	11.030	213.2	2350.1	.000
21700.0	953.3	483.9	-.6565	-3.0195	202445.	1.3	212.9	160.24	11.029	212.9	2345.9	.000
21600.0	953.3	483.8	-.5695	-2.6195	201977.	1.3	211.7	159.24	11.028	211.7	2334.2	.000
21500.0	953.2	483.8	-.5095	-2.3054	201508.	1.3	211.5	159.44	11.027	211.5	2328.6	.000
21400.0	953.2	483.7	-.4652	-2.0342	201037.	1.3	211.2	159.03	11.026	211.2	2324.4	.000
21300.0	953.1	483.6	-.4304	-1.8076	200566.	1.3	210.9	158.62	11.025	210.9	2320.2	.000
21200.0	953.1	483.5	-.4018	-1.6115	200093.	1.3	210.6	158.22	11.024	210.6	2316.0	.000
21100.0	953.1	483.5	-.3784	-1.4412	199619.	1.3	209.2	157.81	11.024	209.2	2306.1	.000
21000.0	953.0	483.4	-.3582	-1.2940	199145.	1.3	208.7	157.40	11.023	208.7	2300.5	.000
20900.0	953.0	483.3	-.3408	-1.1670	198668.	1.3	208.4	157.00	11.022	208.4	2296.3	.000
20800.0	952.9	483.2	-.3254	-1.0581	198191.	1.3	208.1	156.59	11.021	208.1	2292.1	.000
20700.0	952.9	483.2	-.3114	-.9660	197713.	1.3	206.7	155.76	11.019	206.7	2277.7	.000
20600.0	952.8	483.1	-.2989	-.8795	197233.	1.3	206.4	155.35	11.018	206.4	2273.5	.000
20500.0	952.8	483.0	-.2878	-.8077	196753.	1.3	206.1	154.94	11.018	206.1	2269.3	.000
20400.0	952.7	482.9	-.2778	-.7401	196271.	1.3	205.7	154.53	11.017	205.7	2265.0	.000
20300.0	952.7	482.9	-.2688	-.6760	195788.	1.3	205.4	154.12	11.016	205.4	2260.8	.000
20200.0	952.6	482.8	-.2608	-.6148	195303.	1.3	204.7	153.70	11.015	204.7	2254.5	.000
20100.0	952.6	482.7	-.2700	-.5065	194818.	1.3	204.2	153.70	11.015	204.2	2249.0	.000
20000.0	952.5	482.7	-.2600	-.4705	194331.	1.3	203.7	153.28	11.014	203.7	2243.3	.000
19900.0	952.5	482.6	-.2507	-.4366	193843.	1.3	203.2	152.86	11.013	203.2	2237.7	.000
19800.0	952.4	482.5	-.2421	-.4045	193354.	1.3	202.6	152.44	11.012	202.6	2232.0	.000
19700.0	952.4	482.4	-.2340	-.3743	192863.	1.3	202.1	152.03	11.011	202.1	2226.3	.000
19600.0	952.4	482.4	-.2266	-.3455	192371.	1.3	201.6	151.61	11.011	201.6	2220.5	.000
19500.0	952.3	482.3	-.2182	-.3152	191878.	1.3	201.1	151.19	11.010	201.1	2214.7	.000
19400.0	952.3	482.2	-.2106	-.2877	191384.	1.3	200.6	150.77	11.009	200.6	2208.9	.000
19300.0	952.2	482.2	-.2036	-.2619	190889.	1.3	200.1	150.35	11.008	200.1	2203.1	.000
19200.0	952.2	482.1	-.1970	-.2377	190393.	1.3	199.5	149.92	11.007	199.5	2196.9	.000
19100.0	952.1	482.0	-.1923	-.2207	189893.	1.3	199.0	149.50	11.007	199.0	2190.6	.000
19000.0	952.1	481.9	-.1866	-.1988	189394.	1.3	198.5	149.07	11.006	198.5	2184.7	.000
18900.0	952.0	481.8	-.1813	-.1778	188893.	1.3	198.0	148.65	11.005	198.0	2178.8	.000
18800.0	952.0	481.8	-.1760	-.1576	188390.	1.3	197.5	148.22	11.004	197.5	2172.8	.000
18700.0	951.9	481.7	-.1710	-.1391	187887.	1.3	196.9	147.80	11.003	196.9	2166.9	.000
18600.0	951.9	481.6	-.1662	-.1219	187382.	1.3	196.4	147.37	11.002	196.4	2160.9	.000
18500.0	951.8	481.5	-.1617	-.1059	186875.	1.3	195.9	146.94	11.001	195.9	2154.9	.000
18400.0	951.8	481.5	-.1573	-.0910	186368.	1.3	195.4	146.51	11.000	195.4	2148.9	.000
18300.0	951.7	481.4	-.1532	-.0769	185858.	1.3	194.8	146.08	10.999	194.8	2142.8	.000
18200.0	951.7	481.3	-.1490	-.0636	185348.	1.3	194.3	145.65	10.998	194.3	2136.8	.000
18100.0	951.7	481.3	-.1451	-.0509	184836.	1.3	193.7	145.21	10.998	193.7	2130.7	.000
18000.0	951.6	481.2	-.1414	-.0388	184322.	1.3	193.2	144.78	10.997	193.2	2124.7	.000
17900.0	951.6	481.2	-.1378	-.0273	183807.	1.3	192.7	144.35	10.996	192.7	2118.6	.000
17800.0	951.5	481.1	-.1343	-.0162	183291.	1.3	192.1	143.91	10.996	192.1	2112.5	.000
17700.0	951.5	481.0	-.1310	-.0056	182773.	1.3	191.6	143.47	10.995	191.6	2106.4	.000
17600.0	951.4	480.9	-.1277	-.9626	182254.	1.3	191.0	143.04	10.994	191.0	2100.2	.000
17500.0	951.4	480.8	-.1246	-.9494	181733.	1.3	190.5	142.60	10.993	190.5	2094.1	.000
17400.0	951.4	480.7	-.1216	-.9366	181211.	1.3	189.9	142.16	10.992	189.9	2087.9	.000
17300.0	951.3	480.7	-.1187	-.9242	180689.	1.3	189.4	141.72	10.991	189.4	2081.7	.000
17200.0	951.3	480.6	-.1158	-.9120	180165.	1.3	188.8	141.28	10.990	188.8	2075.5	.000
17100.0	951.2	480.5	-.1131	-.9002	179640.	1.3	188.3	140.83	10.990	188.3	2069.3	.000
17000.0	951.2	480.4	-.1105	-.8887	179106.	1.3	187.7	140.39	10.989	187.7	2063.0	.000
16900.0	951.1	480.4	-.1079	-.8775	178576.	1.3	187.2	139.94	10.988	187.2	2056.8	.000
16800.0	951.1	480.3	-.1054	-.8666	178044.	1.3	186.6	139.50	10.987	186.6	2050.5	.000
16700.0	951.0	480.2	-.1030	-.8559	177511.	1.3	186.1	139.05	10.986	186.1	2044.2	.000
16600.0	951.0	480.1	-.1007	-.8455	176976.	1.3	185.5	138.60	10.985	185.5	2037.8	.000
16500.0	950.9	480.1	-.0985	-.8356	176439.	1.3	185.0	138.15	10.984	185.0	2031.6	.000
16400.0	950.9	480.0	-.0964	-.8257	175901.	1.3	184.4	137.70	10.984	184.4	2025.2	.000
16300.0	950.8	479.9	-.0942	-.8159	175361.	1.3	183.8	137.25	10.983	183.8	2018.9	.000
16200.0	950.8	479.8	-.0922	-.8064	174819.	1.3	183.3	136.80	10.982	183.3	2012.5	.000
16100.0	950.7	479.8	-.0901	-.7970	174276.	1.3	182.7	136.35	10.981	182.7	2006.1	.000
16000.0	950.7	479.7	-.0881	-.7879	173731.	1.3	182.1	135.89	10.980	182.1	1999.7	.000
15900.0	950.7	479.6	-.0862	-.7789	173184.	1.3	181.6	135.43	10.979	181.6	1993.2	.000
15800.0	950.6	479.5	-.0843	-.7701	172636.	1.3	181.0	134.98	10.978	181.0	1986.8	.000
15700.0	950.6	479.5	-.0825	-.7614	172086.	1.3	180.4	134.52	10.978	180.4	1980.3	.000
15600.0	950.5	479.4	-.0808	-.7529	171535.	1.3	179.8	134.06	10.977	179.8	1973.8	.000
15500.0	950.5	479.3	-.0790	-.7446	170980.	1.3	179.2	133.60	10.976	179.2	1967.3	.000
15400.0	950.4	479.3	-.0773	-.7364	170424.	1.3	178.7	133.14	10.975	178.7	1960.8	.000
15300.0	950.4	479.2	-.0757	-.7284	169866.	1.3	178.1	132.67	10.974	178.1	1954.3	.000
15200.0	950.3	479.1	-.0741	-.7204	169307.	1.3	177.5	132.21	10.973	177.5	1947.8	.000
15100.0	950.3	479.0	-.0725	-.7127	168746.	1.3	176.9	131.74	10.972	176.9	1941.0	.000
15000.0	950.2	479.0	-.0710	-.7050	168183.	1.3	176.3	131.27	10.972	176.3	1934.4	.000
14900.0	950.2	478.9	-.0695	-.6975	167619.	1.3	175.7	130.81	10.971	175.7	1927.8	.000
14800.0	950.1	478.8	-.0681	-.6901	167053.	1.3	175.1	130.34	10.970	175.1	1921.1	.000
14700.0	950.0	478.7	-.0666	-.6828	166485.	1.3	174.5	129.86	10.969	174.5	1914.4	.000
14600.0	950.0	478.7	-.0652	-.6756	165911.	1.3	173.9	129.39	10.968	173.9	1907.7	.000
14500.0	950.0	478.6	-.0639	-.6685	165338.	1.3	173.3	128.92	10.967	173.3	1901.0	.000
14400.0	949.9	478.5	-.0626	-.6616	164763.	1.3	172.7	128.44	10.966	172.7	1894.2	.000
14300.0	949.9	478.4	-.0613	-.6547	164186.	1.3	172.1	127.97	10.965	172.1	1887.5	.000
14200.0	949.8	478.4	-.0600	-.6480	163607.	1.3	171.5	127.49	10.964	171.5	1880.7	.000
14100.0	949.8	478.3	-.0587	-.6413	163026.	1.3	170.9	127.01	10.964	170.9	1873.9	.000
14000.0	949.7	478.2	-.0575	-.6348	162443.	1.3	170.3	126.53	10.963	170.3	1867.0	.000
13900.0	949.7	478.2	-.0563	-.6283	161858.	1.3	169.7	126.04	10.962	169.7	1860.2	.000
13800.0	949.6	478.1	-.0552	-.6219	161270.	1.3	169.1	125.56	10.961	169.1	1853.3	.000
13700.0	949.6	478.0	-.0540	-.6156	160681.	1.3	168.5	125.08	10.960	168.5	1846.4	.000
13600.0	949.6	477.9	-.0529	-.6094	160089.	1.3	167.8	124.59	10.959	167.8	1839.4	.000
13500.0	949.5	477.8	-.0518	-.6032	159495.	1.3	167.2	124.10	10.959	167.2	1832.5	.000
13400.0	949.5	477.8	-.0507	-.5972	158899.	1.3	166.6	123.62	10.958	166.6	1825.5	.000
13300.0	949.4	477.7	-.0497	-.5913	158300.	1.3	166.0	123.13	10.957	166.0	1818.5	.000
13200.0	949.4	477.6	-.0487	-.5855	157699.	1.3	165.4	122.64	10.956	165.4	1811.4	.000
13100.0	949.3	477.5	-.0477	-.5796	157097.	1.3	164.7	122.15	10.955	164.7	1804.4	.000
13000.0	949.3	477.5	-.0467	-.5738	156491.	1.3	164.1	121.63	10.954	164.1	1797.3	.000
13900.0	949.2	477.4	-.0458	-.5681	155883.	1.3	163.5	121.14	10.953	163.5	1790.2	.000
13800.0	949.2	477.3	-.0448	-.5623	155273.	1.3	162.9	120.64	10.951	162.9	1783.1	.000
13700.0	949.1	477.2	-.0439	-.5567	154661.	1.3	162.3	120.13	10.952	162.3	1776.0	.000
13600.0	949.1	477.2	-.0430	-.5512	154045.	1.4	161.5	120.63	10.951	161.5	1768.7	.000
13500.0	949.1	477.1	-.0421	-.5454	153428.	1.4	160.9	119.13	10.950	160.9	1761.5	.000
13400.0	949.0	477.0	-.0413	-.5401	152808.	1.4	160.4	118.61	10.949	160.4	1754.2	.000
13300.0	949.0	477.0	-.0404	-.5351	152185.	1.4	159.9	118.10	10.948	159.9	1747.0	.000
13200.0	948.9	476.9	-.0396	-.5298	151560.	1.4	159.4	117.60	10.947	159.4	1739.7	.000
13100.0	948.9	476.8	-.0387	-.5245	150933.	1.4	158.3	117.09	10.947	158.3	1732.3	.000

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

:TO 380 K:

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AME M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
12000.0	958.8	456.7	-.0379	-.5194	150302.	1.4	157.6	116.38	10.946	157.6	1725.0	.000
11900.0	958.8	456.7	-.0371	-.5143	149668.	1.4	156.9	115.96	10.945	156.9	1717.6	.000
11800.0	958.7	456.6	-.0364	-.5092	149033.	1.4	156.3	115.54	10.944	156.3	1710.2	.000
11700.0	958.7	456.5	-.0356	-.5042	148394.	1.4	155.6	115.02	10.943	155.6	1702.7	.000
11600.0	958.6	456.4	-.0349	-.4993	147753.	1.4	154.9	114.50	10.942	154.9	1695.2	.000
11500.0	958.6	456.4	-.0341	-.4944	147108.	1.4	154.2	113.98	10.941	154.2	1687.7	.000
11400.0	958.5	456.3	-.0334	-.4895	146461.	1.4	153.5	113.45	10.940	153.6	1680.2	.000
11300.0	958.5	456.2	-.0327	-.4847	145811.	1.4	152.9	112.92	10.940	152.9	1672.6	.000
11200.0	958.4	456.2	-.0320	-.4799	145159.	1.4	152.2	112.40	10.939	152.2	1665.0	.000
11100.0	958.4	456.1	-.0313	-.4752	144503.	1.4	151.5	111.86	10.938	151.5	1657.5	.000
11000.0	958.3	456.0	-.0307	-.4705	143844.	1.4	150.8	111.33	10.937	150.8	1649.9	.000
10900.0	958.3	455.9	-.0300	-.4658	143182.	1.4	150.1	110.79	10.936	150.1	1642.3	.000
10800.0	958.2	455.8	-.0294	-.4612	142517.	1.4	149.4	110.26	10.935	149.4	1634.7	.000
10700.0	958.2	455.8	-.0287	-.4566	141849.	1.4	148.7	109.72	10.934	148.7	1627.0	.000
10600.0	958.2	455.7	-.0281	-.4521	141177.	1.4	148.0	109.19	10.934	148.0	1619.4	.000
10500.0	958.1	455.6	-.0275	-.4476	140503.	1.4	147.3	108.63	10.933	147.3	1610.7	.000
10400.0	958.0	455.6	-.0269	-.4431	139825.	1.4	146.6	108.08	10.932	146.6	1602.0	.000
10300.0	958.0	455.5	-.0263	-.4387	139144.	1.4	145.9	107.53	10.931	145.9	1593.4	.000
10200.0	958.0	455.4	-.0258	-.4343	138459.	1.4	145.2	106.98	10.930	145.2	1587.0	.000
10100.0	957.9	455.3	-.0252	-.4300	137771.	1.4	144.5	106.43	10.929	144.5	1579.0	.000
10000.0	957.9	455.3	-.0246	-.4256	137080.	1.4	143.7	105.87	10.928	143.7	1570.9	.000
9900.0	957.8	455.2	-.0241	-.4213	136385.	1.4	143.0	105.31	10.927	143.0	1562.8	.000
9800.0	957.8	455.1	-.0235	-.4171	135686.	1.4	142.3	104.74	10.927	142.3	1554.6	.000
9700.0	957.7	455.0	-.0230	-.4128	134984.	1.4	141.6	104.18	10.926	141.6	1546.4	.000
9600.0	957.7	455.0	-.0225	-.4086	134278.	1.4	140.8	103.62	10.925	140.8	1538.4	.000
9500.0	957.6	454.9	-.0220	-.4045	133569.	1.4	140.1	103.05	10.924	140.1	1530.1	.000
9400.0	957.6	454.8	-.0215	-.4003	132855.	1.4	139.4	102.47	10.923	139.4	1521.8	.000
9300.0	957.5	454.7	-.0210	-.3962	132138.	1.4	138.6	101.90	10.922	138.6	1513.6	.000
9200.0	957.5	454.7	-.0205	-.3921	131417.	1.4	137.8	101.32	10.921	137.8	1505.3	.000
9100.0	957.4	454.6	-.0200	-.3881	130691.	1.4	137.1	100.74	10.921	137.1	1496.7	.000
9000.0	957.4	454.5	-.0196	-.3840	129962.	1.4	136.3	100.16	10.920	136.3	1488.2	.000
8900.0	957.3	454.4	-.0191	-.3800	129229.	1.4	135.5	99.57	10.919	135.5	1479.6	.000
8800.0	957.3	454.3	-.0186	-.3760	128491.	1.4	134.8	98.98	10.918	134.8	1471.0	.000
8700.0	957.2	454.3	-.0182	-.3720	127749.	1.4	134.0	98.39	10.917	134.0	1462.4	.000
8600.0	957.2	454.2	-.0178	-.3681	127003.	1.4	133.2	97.79	10.916	133.2	1453.8	.000
8500.0	957.2	454.2	-.0174	-.3642	126252.	1.4	132.4	97.19	10.915	132.4	1445.2	.000
8400.0	957.1	454.1	-.0169	-.3603	125497.	1.4	131.6	96.59	10.914	131.6	1436.5	.000
8300.0	957.1	454.0	-.0165	-.3564	124737.	1.4	130.8	95.99	10.914	130.8	1427.7	.000
8200.0	957.0	453.9	-.0161	-.3525	123972.	1.4	130.0	95.38	10.913	130.0	1418.8	.000
8150.0	957.0	453.9	-.0157	-.3487	123203.	1.4	129.2	94.77	10.912	129.2	1409.9	.000
8000.0	956.9	453.8	-.0153	-.3449	122428.	1.4	128.4	94.15	10.911	128.4	1400.9	.000
7900.0	956.9	453.7	-.0149	-.3411	121649.	1.4	127.6	93.53	10.910	127.6	1391.9	.000
7800.0	956.8	453.6	-.0146	-.3374	120865.	1.4	126.8	92.91	10.909	126.8	1382.8	.000
7700.0	956.8	453.6	-.0142	-.3335	120077.	1.4	126.0	92.28	10.908	126.0	1373.7	.000
7600.0	956.7	453.5	-.0138	-.3298	119281.	1.4	125.1	91.65	10.907	125.1	1364.5	.000
7500.0	956.7	453.4	-.0135	-.3261	118481.	1.4	124.3	91.02	10.907	124.3	1355.3	.000
7400.0	956.6	453.3	-.0131	-.3224	117676.	1.4	123.4	90.38	10.906	123.4	1346.0	.000
7300.0	956.6	453.3	-.0128	-.3187	116865.	1.4	122.6	89.74	10.905	122.6	1336.6	.000
7200.0	956.5	453.2	-.0124	-.3150	116049.	1.4	121.7	89.09	10.904	121.7	1327.1	.000
7100.0	956.5	453.1	-.0121	-.3113	115226.	1.4	120.8	88.44	10.903	120.8	1317.6	.000
7000.0	956.4	453.0	-.0118	-.3076	114397.	1.4	120.0	87.78	10.902	120.0	1308.1	.000
6900.0	956.4	452.9	-.0114	-.3040	113563.	1.4	119.1	87.13	10.901	119.1	1298.4	.000
6800.0	956.3	452.9	-.0111	-.3003	112722.	1.4	118.2	86.46	10.900	118.2	1288.7	.000
6700.0	956.3	452.8	-.0108	-.2967	111875.	1.4	117.3	85.79	10.900	117.3	1278.9	.000
6600.0	956.2	452.7	-.0105	-.2931	111021.	1.4	116.4	85.12	10.899	116.4	1269.1	.000
6500.0	956.2	452.7	-.0102	-.2895	110161.	1.4	115.5	84.44	10.898	115.5	1259.2	.000
6400.0	956.1	452.6	-.0099	-.2859	109294.	1.4	114.6	83.76	10.897	114.6	1249.2	.000
6300.0	956.1	452.5	-.0096	-.2823	108420.	1.4	113.7	83.07	10.896	113.7	1239.2	.000
6200.0	956.0	452.5	-.0093	-.2788	107539.	1.4	112.8	82.38	10.895	112.8	1229.1	.000
6100.0	956.0	452.4	-.0090	-.2752	106650.	1.4	111.9	81.68	10.894	111.9	1218.9	.000
6000.0	955.9	452.3	-.0088	-.2716	105755.	1.4	110.9	80.98	10.893	110.9	1208.7	.000
5900.0	955.9	452.3	-.0085	-.2681	104851.	1.4	110.0	80.27	10.893	110.0	1198.4	.000
5800.0	955.8	452.2	-.0082	-.2645	103940.	1.4	109.0	79.55	10.892	109.0	1187.9	.000
5700.0	955.8	452.1	-.0080	-.2610	103020.	1.4	108.1	78.83	10.891	108.1	1177.4	.000
5600.0	955.8	452.0	-.0077	-.2574	102092.	1.4	107.1	78.11	10.890	107.1	1166.1	.000
5500.0	955.7	451.9	-.0075	-.2539	101156.	1.4	106.1	77.37	10.889	106.1	1155.4	.000
5400.0	955.7	451.9	-.0072	-.2504	100210.	1.4	105.1	76.63	10.888	105.1	1144.5	.000
5300.0	955.6	451.8	-.0070	-.2468	99256.	1.4	104.1	75.89	10.887	104.1	1133.5	.000
5200.0	955.6	451.7	-.0067	-.2433	98293.	1.4	103.1	75.13	10.886	103.1	1122.4	.000
5100.0	955.5	451.6	-.0065	-.2398	97319.	1.4	102.1	74.37	10.886	102.1	1111.2	.000
5000.0	955.5	451.6	-.0063	-.2363	96337.	1.4	101.1	73.61	10.885	101.1	1099.9	.000
4900.0	955.4	451.5	-.0060	-.2327	95345.	1.4	100.0	72.84	10.884	100.0	1088.5	.000
4800.0	955.4	451.4	-.0058	-.2293	94346.	1.4	99.0	72.06	10.883	99.0	1077.0	.000
4700.0	955.3	451.4	-.0056	-.2258	93336.	1.4	97.9	71.26	10.882	97.9	1065.3	.000
4600.0	955.3	451.3	-.0054	-.2223	92320.	1.4	96.8	70.46	10.881	96.8	1053.5	.000
4500.0	955.2	451.2	-.0052	-.2188	91292.	1.4	95.7	69.65	10.880	95.7	1041.6	.000
4400.0	955.2	451.1	-.0050	-.2153	90253.	1.4	94.6	68.84	10.879	94.6	1029.5	.000
4300.0	955.1	451.1	-.0048	-.2119	89205.	1.4	93.5	68.01	10.879	93.5	1017.3	.000
4200.0	955.1	451.0	-.0046	-.2084	88147.	1.4	92.4	67.18	10.878	92.4	1005.0	.000
4100.0	955.0	450.9	-.0044	-.2049	86990.	1.4	91.3	66.34	10.877	91.3	992.5	.000
4000.0	955.0	450.8	-.0042	-.2007	85988.	1.4	90.1	65.48	10.876	90.1	979.9	.000
3900.0	954.9	450.8	-.0040	-.1971	84772.	1.4	88.9	64.62	10.875	88.9	967.1	.000
3800.0	954.9	450.7	-.0038	-.1939	83562.	1.4	87.7	63.74	10.874	87.7	954.1	.000
3700.0	954.8	450.6	-.0037	-.1903	82345.	1.4	86.5	62.85	10.873	86.5	941.0	.000
3600.0	954.8	450.5	-.0035	-.1863	81333.	1.4	85.3	61.95	10.872	85.3	927.6	.000
3500.0	954.7	450.5	-.0034	-.1826	80153.	1.4	84.1	61.04	10.872	84.1	914.1	.000
3400.0	954.7	450.4	-.0032	-.1789	78956.	1.4	82.8	60.12	10.871	82.8	900.4	.000
3300.0	954.6	450.3	-.0030	-.1752	77741.	1.4	81.6	59.18	10.870	81.6	886.5	.000
3200.0	954.6	450.2	-.0029	-.1718	76506.	1.4	80.3	58.23	10.869	80.3	872.3	.000
3100.0	954.5	450.2	-.0027	-.1678	75251.	1.4	78.9	57.26	10.868	78.9	857.9	.000
3000.0	954.5	450.1	-.0026	-.1640	73974.	1.4	77.6	56.28	10.867	77.6	843.3	.000
2900.0	954.4	450.0	-.0024	-.1603	72674.	1.4	76.2	55.28	10.865	76.2	828.5	.000
2800.0	954.4	450.0	-.0023	-.1563	71353.	1.4	74.9	54.26	10.865	74.9	813.5	.000
2700.0	954.3	449.9	-.0022	-.1524	70005.	1.4	73.4	53.22	10.865	73.4	797.9	.000
2630.0	954.3	449.8	-.0020	-.1485	68631.	1.4	72.0	52.17	10.864	72.0	782.2	.000
2500.0	954.2	449.7	-.0019	-.1446	67228.	1.4	70.5	51.09	10.863	70.5	766.1	.000
2400.0	954.2	449.7	-.0018	-.1406	65794.	1.4	69.0	49.99	10.862	69.0	749.8	.000
2300.0	954.1	449.6	-.0016	-.1365	64332.	1.4	67.5	48.87	10.861	67.5	733.0	.000
2200.0	954.1	449.5	-.0015	-.1326	62833.	1.4	65.9	47.72	10.860	65.9	715.9	.000
2150.0	954.0	449.4	-.0014	-.1282	61298.	1.4	64.3	46.54	10.859	64.3	698.3	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 380 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
2000.0	954.0	449.4	-.0013	-.1239	59724.	1.4	62.7	45.34	10.858	62.7	680.4	.000
1900.0	954.0	449.3	-.0012	-.1196	58107.	1.4	61.0	44.10	10.857	61.0	661.9	.000
1800.0	953.9	449.2	-.0011	-.1152	56443.	1.4	59.2	42.83	10.857	59.2	642.9	.000
1700.0	953.9	449.1	-.0010	-.1107	54729.	1.4	57.4	41.52	10.856	57.4	623.3	.000
1600.0	953.8	449.1	-.0009	-.1061	52959.	1.4	55.6	40.19	10.855	55.6	603.1	.000
1500.0	953.8	449.0	-.0008	-.1014	51128.	1.4	53.6	38.77	10.854	53.6	582.3	.000
1400.0	953.7	448.9	-.0007	-.0965	49229.	1.4	51.6	37.32	10.853	51.6	560.8	.000
1300.0	953.7	448.9	-.0006	-.0914	47253.	1.4	49.6	35.82	10.852	49.6	538.0	.000
1200.0	953.6	448.8	-.0006	-.0864	45192.	1.4	47.4	34.24	10.851	47.4	514.5	.000
1100.0	953.6	448.7	-.0005	-.0810	43031.	1.4	45.1	32.60	10.850	45.1	489.9	.000
1000.0	953.5	448.6	-.0004	-.0754	40756.	1.4	42.8	30.87	10.850	42.8	463.9	.000
900.0	953.5	448.6	-.0003	-.0695	38346.	1.4	40.2	29.04	10.849	40.2	436.5	.000
800.0	953.4	448.5	-.0003	-.0633	35774.	1.4	37.5	27.08	10.848	37.5	407.2	.000
700.0	953.4	448.4	-.0002	-.0567	33002.	1.4	34.6	26.98	10.847	34.6	375.6	.000
600.0	953.3	448.3	-.0002	-.0496	29995.	1.4	31.4	22.68	10.846	31.4	341.1	.000
500.0	953.3	448.3	-.0001	-.0419	26605.	1.4	27.9	20.13	10.845	27.9	302.7	.000
400.0	953.2	448.2	-.0001	-.0332	22742.	1.4	23.9	17.20	10.844	23.9	258.8	.000
300.0	953.2	448.1	-.0000	-.0233	18070.	1.4	19.0	13.67	10.843	19.0	205.6	.000
200.0	953.1	448.0	-.0000	-.0111	11656.	1.4	12.2	8.81	10.843	12.2	132.6	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 390 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AME M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
22170.0	956.1	506.1	********	*********	703358.	1.8	214.8	121.36	9.925	214.9	2131.9	.000
22130.0	956.1	506.0	-4.1966	-13.5372	703265.	1.8	214.7	121.30	9.925	214.7	2130.9	.000
22000.0	956.1	506.0	-1.5385	-5.4834	702503.	1.8	214.2	121.00	9.924	214.2	2125.9	.000
21900.0	956.0	505.9	-1.0915	-4.1164	702339.	1.8	213.7	120.70	9.923	213.8	2120.8	.000
21800.0	956.0	505.8	-.8807	-3.4665	702174.	1.8	213.2	120.40	9.922	213.3	2115.8	.000
21700.0	955.9	505.8	-.7518	-3.0522	702009.	1.8	212.7	120.09	9.921	212.8	2110.8	.000
21600.0	955.9	505.7	-.6625	-2.7810	701844.	1.8	212.3	119.79	9.921	212.3	2105.7	.000
21500.0	955.8	505.6	-.5958	-2.5694	701679.	1.8	211.8	119.48	9.920	211.8	2100.7	.000
21400.0	955.8	505.6	-.5435	-2.4021	701514.	1.8	211.3	119.18	9.919	211.3	2095.6	.000
21300.0	955.7	505.5	-.5010	-2.2651	701349.	1.8	210.8	118.87	9.918	210.8	2090.5	.000
21200.0	955.7	505.4	-.4656	-2.1499	701183.	1.8	210.3	118.57	9.917	210.3	2085.4	.000
21100.0	955.6	505.3	-.4344	-2.0511	701018.	1.8	209.8	118.26	9.917	209.8	2080.3	.000
21000.0	955.6	505.3	-.4093	-1.9649	700853.	1.8	209.3	117.95	9.916	209.3	2075.2	.000
20900.0	955.5	505.2	-.3864	-1.8887	700688.	1.8	208.8	117.65	9.915	208.8	2070.1	.000
20800.0	955.5	505.1	-.3661	-1.8207	700523.	1.8	208.3	117.34	9.914	208.3	2065.0	.000
20700.0	955.5	505.0	-.3478	-1.7593	700358.	1.8	207.8	117.02	9.914	207.8	2059.8	.000
20600.0	955.4	505.0	-.3314	-1.7034	700211.	1.8	207.3	116.72	9.913	207.3	2054.6	.000
20500.0	955.4	504.9	-.3165	-1.6523	700046.	1.8	206.8	116.41	9.912	206.8	2049.5	.000
20400.0	955.3	504.9	-.3028	-1.6051	699881.	1.8	206.3	116.10	9.911	206.3	2044.3	.000
20300.0	955.3	504.7	-.2903	-1.5615	699716.	1.8	205.8	115.79	9.910	205.8	2039.1	.000
20200.0	955.2	504.7	-.2787	-1.5209	699551.	1.8	205.3	115.48	9.910	205.3	2033.9	.000
20100.0	955.2	504.6	-.2679	-1.4829	699386.	1.8	204.7	115.16	9.909	204.7	2028.7	.000
20000.0	955.1	504.5	-.2579	-1.4473	699221.	1.8	204.2	114.85	9.908	204.2	2023.4	.000
19900.0	955.1	504.5	-.2485	-1.4138	699056.	1.8	203.7	114.54	9.907	203.7	2018.2	.000
19800.0	955.0	504.4	-.2397	-1.3821	698891.	1.8	203.2	114.22	9.906	203.2	2012.9	.000
19700.0	955.0	504.3	-.2316	-1.3523	698726.	1.8	202.7	113.91	9.906	202.7	2007.7	.000
19600.0	954.9	504.2	-.2237	-1.3238	698561.	1.8	202.2	113.59	9.905	202.2	2002.4	.000
19500.0	954.9	504.2	-.2163	-1.2967	698870.	1.8	201.6	113.26	9.904	201.6	1997.1	.000
19400.0	954.8	504.1	-.2094	-1.2709	698377.	1.8	201.1	112.96	9.903	201.1	1991.8	.000
19300.0	954.8	504.0	-.2028	-1.2463	698882.	1.8	200.6	112.64	9.902	200.6	1986.4	.000
19200.0	954.7	504.0	-.1965	-1.2229	697387.	1.8	200.1	112.32	9.902	200.1	1981.1	.000
19100.0	954.7	503.9	-.1906	-1.2003	698890.	1.8	199.6	117.01	9.901	199.6	1975.8	.000
19000.0	954.6	503.8	-.1849	-1.1786	698391.	1.8	199.0	111.69	9.900	199.0	1970.4	.000
18900.0	954.6	503.7	-.1795	-1.1578	697892.	1.8	198.5	111.37	9.899	198.5	1965.1	.000
18800.0	954.5	503.7	-.1743	-1.1379	697391.	1.8	198.0	111.05	9.898	198.0	1959.7	.000
18700.0	954.5	503.6	-.1694	-1.1186	696888.	1.8	197.4	110.74	9.898	197.4	1954.3	.000
18600.0	954.4	503.5	-.1646	-1.1001	696384.	1.8	196.9	110.40	9.897	196.9	1948.9	.000
18500.0	954.4	503.4	-.1601	-1.0822	695879.	1.8	196.4	110.08	9.896	196.4	1943.4	.000
18400.0	954.4	503.4	-.1557	-1.0649	695373.	1.8	195.9	109.76	9.895	195.9	1938.0	.000
18300.0	954.3	503.3	-.1516	-1.0482	694865.	1.8	195.3	109.43	9.894	195.3	1932.5	.000
18200.0	954.3	503.2	-.1475	-1.0320	694356.	1.8	194.8	109.11	9.894	194.8	1927.1	.000
18100.0	954.2	503.2	-.1437	-1.0164	693845.	1.8	194.2	108.78	9.893	194.2	1921.6	.000
18000.0	954.2	503.1	-.1400	-1.0012	693333.	1.8	193.7	108.46	9.892	193.7	1916.1	.000
17900.0	954.1	503.0	-.1364	-.9866	692819.	1.8	193.2	108.13	9.891	193.2	1910.6	.000
17800.0	954.1	502.9	-.1329	-.9723	692304.	1.8	192.6	107.80	9.890	192.6	1905.1	.000
17700.0	954.0	502.9	-.1296	-.9585	691787.	1.8	192.1	107.47	9.890	192.1	1899.5	.000
17600.0	954.0	502.8	-.1264	-.9450	691269.	1.8	191.5	107.14	9.889	191.5	1894.0	.000
17500.0	953.9	502.7	-.1233	-.9320	690750.	1.8	191.0	106.81	9.888	191.0	1888.4	.000
17400.0	953.9	502.7	-.1203	-.9193	690229.	1.8	190.4	106.48	9.887	190.4	1882.8	.000
17300.0	953.8	502.6	-.1174	-.9070	689706.	1.8	189.9	106.15	9.887	189.9	1877.2	.000
17200.0	953.8	502.5	-.1146	-.8950	689182.	1.8	189.3	105.82	9.886	189.3	1871.6	.000
17100.0	953.7	502.4	-.1119	-.8833	688656.	1.8	188.8	105.48	9.885	188.8	1866.0	.000
17000.0	953.7	502.4	-.1092	-.8719	688129.	1.8	188.2	105.15	9.884	188.2	1860.3	.000
16900.0	953.6	502.3	-.1067	-.8608	687600.	1.8	187.7	104.82	9.883	187.7	1854.7	.000
16800.0	953.6	502.2	-.1042	-.8500	687070.	1.8	187.1	104.48	9.883	187.1	1849.0	.000
16700.0	953.5	502.2	-.1018	-.8395	686537.	1.8	186.6	104.14	9.882	186.6	1843.3	.000
16600.0	953.5	502.1	-.0995	-.8292	686004.	1.8	186.0	103.81	9.881	186.0	1837.6	.000
16500.0	953.4	502.0	-.0973	-.8194	685468.	1.8	185.4	103.47	9.880	185.4	1831.9	.000
16400.0	953.4	501.9	-.0951	-.8096	684931.	1.8	184.8	103.13	9.879	184.8	1826.1	.000
16300.0	953.3	501.9	-.0930	-.7999	684393.	1.8	184.3	102.79	9.879	184.3	1820.4	.000
16200.0	953.3	501.8	-.0910	-.7905	683852.	1.8	183.7	102.45	9.878	183.7	1814.6	.000
16100.0	953.3	501.7	-.0890	-.7812	683310.	1.8	183.1	102.11	9.877	183.1	1808.8	.000
16000.0	953.2	501.7	-.0870	-.7723	682767.	1.8	182.6	101.77	9.876	182.6	1803.0	.000
15900.0	953.2	501.6	-.0851	-.7633	682221.	1.8	182.0	101.42	9.875	182.0	1797.2	.000
15800.0	953.1	501.5	-.0833	-.7546	681674.	1.8	181.4	101.08	9.875	181.4	1791.4	.000
15700.0	953.1	501.4	-.0815	-.7460	681125.	1.8	180.8	100.73	9.874	180.8	1785.5	.000
15650.0	953.0	501.4	-.0807	-.7376	680574.	1.8	180.2	100.39	9.873	180.2	1779.6	.000
15500.0	953.0	501.3	-.0780	-.7293	680021.	1.8	179.7	100.04	9.872	179.7	1773.7	.000
15400.0	952.9	501.2	-.0763	-.7213	679467.	1.8	179.1	99.69	9.871	179.1	1767.8	.000
15300.0	952.9	501.2	-.0747	-.7133	678911.	1.8	178.5	99.34	9.871	178.5	1761.8	.000
15200.0	952.8	501.1	-.0731	-.7055	678353.	1.8	177.9	98.99	9.870	177.9	1755.9	.000
15100.0	952.8	501.0	-.0716	-.6978	677793.	1.8	177.3	98.64	9.869	177.3	1749.9	.000
15000.0	952.7	500.9	-.0701	-.6902	677231.	1.8	176.7	98.29	9.868	176.7	1743.9	.000
14900.0	952.7	500.9	-.0686	-.6827	676667.	1.8	176.1	97.94	9.867	176.1	1737.9	.000
14800.0	952.6	500.8	-.0671	-.6754	676101.	1.8	175.5	97.59	9.867	175.5	1731.9	.000
14700.0	952.6	500.7	-.0657	-.6682	675534.	1.8	174.9	97.23	9.866	174.9	1725.8	.000
14600.0	952.5	500.6	-.0643	-.6611	674964.	1.8	174.3	96.88	9.865	174.3	1719.8	.000
14500.0	952.5	500.6	-.0630	-.6541	674392.	1.8	173.7	96.52	9.864	173.7	1713.7	.000
14400.0	952.4	500.5	-.0617	-.6472	673819.	1.8	173.1	96.16	9.863	173.1	1707.6	.000
14300.0	952.4	500.4	-.0604	-.6404	673243.	1.8	172.5	95.80	9.863	172.5	1701.4	.000
14200.0	952.3	500.4	-.0591	-.6338	672665.	1.8	171.9	95.44	9.862	171.9	1695.3	.000
14100.0	952.3	500.3	-.0579	-.6272	672085.	1.8	171.3	95.08	9.861	171.3	1689.1	.000
14000.0	952.2	500.2	-.0567	-.6207	671503.	1.8	170.7	94.72	9.860	170.7	1682.9	.000
13900.0	952.2	500.1	-.0555	-.6143	670919.	1.8	170.1	94.36	9.859	170.1	1676.7	.000
13800.0	952.1	500.1	-.0544	-.6079	670333.	1.8	169.4	93.99	9.858	169.4	1670.5	.000
13700.0	952.1	500.0	-.0532	-.6017	669745.	1.8	168.8	93.63	9.858	168.8	1664.2	.000
13600.0	952.0	499.9	-.0521	-.5955	669154.	1.8	168.2	93.26	9.857	168.2	1658.0	.000
13500.0	952.0	499.9	-.0511	-.5894	668561.	1.8	167.6	92.89	9.856	167.6	1651.7	.000
13400.0	951.9	499.8	-.0500	-.5834	667966.	1.8	166.9	92.53	9.855	166.9	1645.3	.000
13300.0	951.9	499.7	-.0490	-.5775	667369.	1.8	166.3	92.16	9.854	166.3	1639.0	.000
13200.0	951.8	499.6	-.0480	-.5717	666770.	1.8	165.7	91.79	9.854	165.7	1632.6	.000
13100.0	951.8	499.6	-.0470	-.5659	666168.	1.8	165.1	91.41	9.853	165.1	1626.2	.000
13000.0	951.7	499.5	-.0460	-.5602	665563.	1.8	164.4	91.04	9.852	164.4	1619.8	.000
12900.0	951.7	499.4	-.0450	-.5545	664957.	1.8	163.8	90.66	9.851	163.8	1613.4	.000
12800.0	951.6	499.4	-.0441	-.5490	664348.	1.8	163.1	90.29	9.850	163.1	1606.9	.000
12700.0	951.6	499.3	-.0431	-.5434	663737.	1.8	162.5	89.91	9.850	162.5	1600.4	.000
12600.0	951.6	499.2	-.0423	-.5380	663122.	1.8	161.8	89.53	9.849	161.8	1593.9	.000
12500.0	951.5	499.1	-.0414	-.5326	662506.	1.8	161.2	89.15	9.848	161.2	1587.4	.000
12400.0	951.5	499.1	-.0406	-.5273	661887.	1.8	160.6	88.77	9.847	160.6	1580.8	.000
12300.0	951.4	499.0	-.0397	-.5220	661266.	1.8	159.9	88.39	9.846	159.9	1574.2	.000
12200.0	951.4	498.9	-.0389	-.5168	660643.	1.8	159.2	88.01	9.845	159.2	1567.6	.000
12100.0	951.3	498.9	-.0381	-.5116	660019.	1.8	158.6	87.62	9.845	158.6	1561.0	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 390 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	YF
12000.0	951.3	498.8	-.0373	-.3085	149385.	1.8	157.9	87.33	9.844	157.9	1554.3	.000
11900.0	951.2	498.7	-.0368	-.3014	148753.	1.8	157.2	86.95	9.844	157.2	1547.6	.000
11800.0	951.2	498.6	-.0364	-.4964	148119.	1.8	156.6	86.55	9.844	156.6	1540.9	.000
11700.0	951.2	498.6	-.0359	-.4915	147481.	1.8	156.0	86.07	9.844	156.0	1534.2	.000
11600.0	951.1	498.5	-.0342	-.4866	146841.	1.8	155.2	85.47	9.841	155.2	1527.4	.000
11500.0	951.0	498.4	-.0335	-.4817	146198.	1.8	154.5	85.28	9.840	154.5	1520.6	.000
11400.0	951.0	498.3	-.0328	-.4769	145552.	1.8	153.8	84.88	9.839	153.8	1513.8	.000
11300.0	950.9	498.3	-.0321	-.4721	144903.	1.8	153.2	84.49	9.838	153.2	1507.0	.000
11200.0	950.9	498.2	-.0314	-.4674	144251.	1.8	152.5	84.09	9.838	152.5	1500.2	.000
11100.0	950.8	498.1	-.0308	-.4627	143596.	1.8	151.8	83.69	9.837	151.8	1493.3	.000
11000.0	950.8	498.1	-.0301	-.4580	142939.	1.8	151.1	83.29	9.836	151.1	1486.5	.000
10900.0	950.7	498.0	-.0295	-.4534	142278.	1.8	150.4	82.88	9.835	150.4	1479.6	.000
10800.0	950.7	497.9	-.0288	-.4488	141614.	1.8	149.7	82.48	9.834	149.7	1472.7	.000
10700.0	950.6	497.8	-.0282	-.4443	140947.	1.8	149.0	82.07	9.834	149.0	1465.8	.000
10600.0	950.6	497.8	-.0276	-.4398	140276.	1.8	148.3	81.66	9.833	148.3	1458.8	.000
10500.0	950.5	497.7	-.0270	-.4354	139603.	1.8	147.6	81.25	9.832	147.6	1451.9	.000
10400.0	950.5	497.6	-.0264	-.4310	138926.	1.8	146.9	80.84	9.831	146.9	1444.9	.000
10300.0	950.4	497.5	-.0258	-.4266	138246.	1.8	146.1	80.43	9.830	146.1	1438.0	.000
10200.0	950.4	497.5	-.0252	-.4222	137563.	1.8	145.4	80.01	9.829	145.4	1431.0	.000
10100.0	950.3	497.4	-.0247	-.4179	136878.	1.8	144.7	79.60	9.829	144.7	1422.1	.000
10000.0	950.3	497.3	-.0241	-.4136	136185.	1.8	144.0	79.18	9.828	144.0	1414.8	.000
9900.0	950.2	497.2	-.0236	-.4094	135491.	1.8	143.3	78.76	9.827	143.3	1407.5	.000
9800.0	950.2	497.1	-.0230	-.4052	134793.	1.8	142.5	78.33	9.826	142.5	1400.2	.000
9700.0	950.1	497.1	-.0225	-.4010	134092.	1.8	141.8	77.91	9.825	141.8	1392.8	.000
9600.0	950.1	497.1	-.0220	-.3968	133389.	1.8	141.0	77.48	9.824	141.0	1385.3	.000
9500.0	950.0	497.0	-.0215	-.3927	132678.	1.8	140.3	77.05	9.824	140.3	1377.9	.000
9400.0	950.0	496.9	-.0210	-.3885	131965.	1.8	139.5	76.62	9.823	139.5	1370.4	.000
9300.0	949.9	496.8	-.0205	-.3845	131249.	1.8	138.8	76.19	9.822	138.8	1362.8	.000
9200.0	949.9	496.8	-.0201	-.3805	130528.	1.8	138.0	75.76	9.821	138.0	1355.2	.000
9100.0	949.8	496.7	-.0196	-.3764	129804.	1.8	137.2	75.32	9.821	137.2	1347.6	.000
9000.0	949.8	496.6	-.0191	-.3724	129075.	1.8	136.5	74.88	9.820	136.5	1340.0	.000
8900.0	949.7	496.6	-.0187	-.3685	128343.	1.8	135.7	74.44	9.819	135.7	1332.3	.000
8800.0	949.7	496.5	-.0182	-.3645	127606.	1.8	134.9	73.99	9.819	134.9	1324.5	.000
8700.0	949.6	496.4	-.0178	-.3606	126866.	1.8	134.1	73.55	9.817	134.1	1316.7	.000
8600.0	949.6	496.3	-.0174	-.3567	126119.	1.8	133.3	73.10	9.816	133.3	1308.9	.000
8500.0	949.5	496.3	-.0169	-.3528	125369.	1.8	132.5	72.65	9.816	132.5	1301.0	.000
8400.0	949.5	496.2	-.0165	-.3489	124614.	1.8	131.7	72.20	9.815	131.7	1293.1	.000
8300.0	949.4	496.1	-.0161	-.3451	123855.	1.8	130.9	71.74	9.814	130.9	1285.1	.000
8200.0	949.4	496.1	-.0157	-.3413	123091.	1.8	130.1	71.28	9.813	130.1	1277.0	.000
8100.0	949.3	496.0	-.0153	-.3375	122322.	1.8	129.3	70.82	9.812	129.3	1269.0	.000
8000.0	949.3	495.9	-.0149	-.3337	121549.	1.8	128.5	70.36	9.812	128.5	1260.9	.000
7900.0	949.2	495.8	-.0146	-.3299	120770.	1.8	127.7	69.89	9.811	127.7	1252.7	.000
7800.0	949.2	495.8	-.0142	-.3262	119985.	1.8	126.9	69.42	9.809	126.9	1244.5	.000
7700.0	949.1	495.7	-.0138	-.3224	119197.	1.8	126.0	68.95	9.809	126.0	1236.2	.000
7600.0	949.1	495.6	-.0135	-.3187	118403.	1.8	125.2	68.48	9.808	125.2	1227.9	.000
7500.0	949.0	495.6	-.0131	-.3150	117604.	1.8	124.3	68.00	9.808	124.3	1219.5	.000
7400.0	949.0	495.5	-.0128	-.3114	116799.	1.8	123.5	67.52	9.807	123.5	1211.0	.000
7300.0	948.9	495.4	-.0124	-.3077	115988.	1.8	122.6	67.04	9.806	122.6	1202.5	.000
7200.0	948.9	495.3	-.0121	-.3040	115171.	1.8	121.8	66.55	9.805	121.8	1194.0	.000
7100.0	948.8	495.3	-.0118	-.3004	114349.	1.8	120.9	66.06	9.804	120.9	1185.4	.000
7000.0	948.8	495.2	-.0114	-.2968	113521.	1.8	120.0	65.57	9.803	120.0	1176.7	.000
6900.0	948.7	495.1	-.0111	-.2932	112687.	1.8	119.1	65.07	9.803	119.1	1167.9	.000
6800.0	948.7	495.0	-.0108	-.2896	111846.	1.8	118.3	64.57	9.802	118.3	1159.1	.000
6700.0	948.6	495.0	-.0105	-.2860	110999.	1.8	117.4	64.07	9.801	117.4	1150.3	.000
6600.0	948.6	494.9	-.0102	-.2824	110146.	1.8	116.5	63.56	9.800	116.5	1141.3	.000
6500.0	948.5	494.8	-.0099	-.2788	109285.	1.8	115.6	63.05	9.799	115.6	1132.3	.000
6400.0	948.5	494.8	-.0096	-.2753	108418.	1.8	114.6	62.54	9.799	114.6	1123.3	.000
6300.0	948.4	494.7	-.0093	-.2717	107544.	1.8	113.7	62.02	9.798	113.7	1114.1	.000
6200.0	948.4	494.6	-.0090	-.2682	106663.	1.8	112.8	61.50	9.797	112.8	1104.9	.000
6100.0	948.3	494.5	-.0088	-.2646	105774.	1.8	111.8	60.97	9.796	111.8	1095.6	.000
6000.0	948.3	494.5	-.0085	-.2611	104878.	1.8	110.9	60.44	9.795	110.9	1086.3	.000
5900.0	948.2	494.4	-.0082	-.2575	103975.	1.8	109.9	59.91	9.794	109.9	1076.8	.000
5800.0	948.2	494.3	-.0080	-.2541	103065.	1.8	109.0	59.37	9.794	109.0	1067.3	.000
5700.0	948.1	494.3	-.0077	-.2506	102148.	1.8	108.0	58.82	9.793	108.0	1057.7	.000
5600.0	948.1	494.2	-.0075	-.2471	101223.	1.8	107.0	58.28	9.792	107.0	1048.0	.000
5500.0	948.0	494.1	-.0072	-.2436	100290.	1.8	106.0	57.72	9.791	106.0	1038.2	.000
5400.0	948.0	494.1	-.0070	-.2401	99350.	1.8	105.0	57.17	9.790	105.0	1028.3	.000
5300.0	947.9	494.0	-.0067	-.2366	98375.	1.8	104.0	56.60	9.790	104.0	1018.4	.000
5200.0	947.9	493.9	-.0065	-.2331	97411.	1.8	103.0	56.04	9.789	103.0	1008.3	.000
5100.0	947.8	493.8	-.0063	-.2296	96436.	1.8	102.0	55.46	9.788	102.0	998.1	.000
5000.0	947.8	493.8	-.0060	-.2261	95452.	1.8	100.9	54.89	9.787	100.9	987.9	.000
4900.0	947.7	493.7	-.0058	-.2226	94458.	1.8	99.9	54.30	9.786	99.9	977.5	.000
4800.0	947.7	493.6	-.0056	-.2191	93453.	1.8	98.8	53.71	9.785	98.8	967.0	.000
4700.0	947.6	493.6	-.0054	-.2156	92437.	1.8	97.7	53.11	9.785	97.7	956.4	.000
4600.0	947.6	493.5	-.0052	-.2121	91409.	1.8	96.7	52.51	9.784	96.7	945.7	.000
4500.0	947.5	493.4	-.0050	-.2085	90370.	1.8	95.6	51.91	9.783	95.6	934.9	.000
4400.0	947.5	493.3	-.0048	-.2050	89319.	1.8	94.5	51.29	9.782	94.5	924.0	.000
4300.0	947.4	493.3	-.0046	-.2015	88255.	1.8	93.3	50.67	9.781	93.3	913.0	.000
4200.0	947.4	493.2	-.0044	-.1980	87178.	1.8	92.2	50.04	9.780	92.2	901.9	.000
4100.0	947.3	493.1	-.0042	-.1944	86087.	1.8	91.0	49.40	9.780	91.0	890.7	.000
4000.0	947.3	493.1	-.0041	-.1909	84984.	1.8	89.9	48.76	9.779	89.9	879.4	.000
3900.0	947.2	493.0	-.0039	-.1873	83865.	1.8	88.7	48.11	9.778	88.7	867.9	.000
3800.0	947.2	492.9	-.0037	-.1837	82731.	1.8	87.5	47.44	9.777	87.5	856.4	.000
3700.0	947.1	492.8	-.0035	-.1801	81581.	1.8	86.3	46.77	9.776	86.3	843.8	.000
3600.0	947.1	492.8	-.0034	-.1765	80415.	1.8	85.0	46.10	9.776	85.0	831.4	.000
3500.0	947.0	492.7	-.0032	-.1729	79231.	1.8	83.8	45.41	9.775	83.8	819.1	.000
3400.0	947.0	492.6	-.0030	-.1693	78030.	1.8	82.5	44.71	9.774	82.5	806.6	.000
3300.0	946.9	492.6	-.0029	-.1656	76809.	1.8	81.2	44.00	9.773	81.2	793.9	.000
3200.0	946.9	492.5	-.0027	-.1619	75569.	1.8	79.9	43.28	9.772	79.9	781.0	.000
3100.0	946.8	492.4	-.0026	-.1582	74308.	1.8	78.6	42.55	9.772	78.6	767.9	.000
3000.0	946.8	492.3	-.0024	-.1544	73026.	1.8	77.2	41.80	9.771	77.2	754.6	.000
2900.0	946.7	492.3	-.0023	-.1507	71720.	1.8	75.9	41.05	9.770	75.9	741.1	.000
2800.0	946.7	492.2	-.0022	-.1469	70390.	1.8	74.4	40.28	9.769	74.4	727.3	.000
2700.0	946.6	492.2	-.0020	-.1430	69034.	1.8	73.0	39.49	9.768	73.0	713.2	.000
2600.0	946.6	492.1	-.0019	-.1391	67652.	1.8	71.6	38.69	9.767	71.6	698.9	.000
2500.0	946.5	492.0	-.0018	-.1352	66240.	1.8	70.1	37.88	9.767	70.1	684.2	.000
2400.0	946.4	491.9	-.0017	-.1312	64798.	1.8	68.6	37.04	9.766	68.6	669.3	.000
2300.0	946.4	491.9	-.0016	-.1272	63322.	1.8	67.0	36.19	9.765	67.0	654.0	.000
2200.0	946.4	491.8	-.0014	-.1231	61812.	1.8	65.4	35.32	9.764	65.4	638.3	.000
2100.0	946.3	491.7	-.0013	-.1190	60263.	1.8	63.7	34.43	9.763	63.7	622.3	.000

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 390 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
2000.0	946.1	491.6	-.0012	-.1148	58674.	1.9	62.1	33.51	0.762	62.1	605.8	.000
1900.0	946.2	491.5	-.0011	-.1105	57040.	1.9	60.3	32.54	0.762	60.3	588.9	.000
1800.0	946.2	491.5	-.0010	-.1061	55358.	1.9	58.6	31.60	0.761	58.6	571.9	.000
1700.0	946.1	491.4	-.0009	-.1016	53623.	1.9	56.7	30.61	0.760	56.7	553.6	.000
1600.0	946.1	491.4	-.0008	-.0971	51830.	1.9	54.8	29.58	0.759	54.8	535.0	.000
1500.0	946.0	491.3	-.0007	-.0924	49973.	1.9	52.9	28.51	0.758	52.9	515.8	.000
1400.0	946.0	491.2	-.0007	-.0876	48044.	1.9	50.8	27.40	0.758	50.8	495.8	.000
1300.0	945.9	491.1	-.0006	-.0826	46033.	1.9	48.7	26.24	0.757	48.7	475.1	.000
1200.0	945.9	491.1	-.0005	-.0775	43932.	1.9	46.5	25.05	0.756	46.5	453.3	.000
1100.0	945.8	491.0	-.0004	-.0722	41724.	1.9	44.1	23.78	0.755	44.1	430.5	.000
1000.0	945.8	490.9	-.0004	-.0666	39393.	1.9	41.7	22.45	0.754	41.7	406.4	.000
900.0	945.7	490.9	-.0003	-.0607	36918.	1.9	39.0	21.03	0.753	39.0	380.8	.000
800.0	945.7	490.8	-.0002	-.0547	34284.	1.9	36.2	19.51	0.753	36.2	353.4	.000
700.0	945.6	490.7	-.0002	-.0481	31470.	1.9	33.2	17.87	0.752	33.2	323.6	.000
600.0	945.6	490.6	-.0001	-.0411	28402.	1.9	29.8	16.06	0.751	29.8	290.9	.000
500.0	945.5	490.6	-.0001	-.0336	24621.	1.9	26.0	14.02	0.750	26.0	253.9	.000
400.0	945.5	490.5	-.0000	-.0248	20422.	1.9	21.6	11.62	0.749	21.6	210.8	.000
300.0	945.4	490.4	-.0000	-.0149	15096.	1.9	16.0	8.59	0.748	16.0	155.7	.000
200.0	945.4	490.4	-.0000	-.0029	6924.	1.9	6.6	3.54	0.748	6.6	64.2	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 400 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	HAVG	SLIP	VL M/S	VV M/S	XE
22120.0	948.1	548.0	*******	********	202203.	2.3	215.4	92.53	8.979	215.4	1933.9	.000
22100.0	948.3	548.0	-4.1775	-11.3655	202111.	2.3	215.3	92.49	8.979	215.3	1933.0	.000
22000.0	948.3	547.9	-1.5104	-5.4100	201650.	2.3	214.8	92.26	8.978	214.8	1928.5	.000
21900.0	948.2	547.9	-1.0453	-4.0096	201187.	2.3	214.3	92.05	8.977	214.3	1924.0	.000
21800.0	948.2	547.8	-.8754	-3.4157	200724.	2.3	213.8	91.79	8.976	213.8	1919.4	.000
21700.0	948.1	547.7	-.7471	-3.0183	200260.	2.3	213.3	91.56	8.976	213.3	1914.9	.000
21600.0	948.1	547.7	-.6582	-2.7405	199793.	2.3	212.8	91.33	8.975	212.8	1910.2	.000
21500.0	948.0	547.6	-.5918	-2.5315	199327.	2.3	212.3	91.09	8.974	212.3	1905.5	.000
21400.0	948.0	547.5	-.5398	-2.3642	198859.	2.3	211.8	90.86	8.974	211.8	1900.8	.000
21300.0	947.9	547.4	-.4975	-2.2308	198390.	2.3	211.3	90.63	8.973	211.3	1896.1	.000
21200.0	947.9	547.4	-.4623	-2.1194	197919.	2.3	210.8	90.39	8.972	210.8	1891.3	.000
21100.0	947.8	547.3	-.4323	-2.0214	197448.	2.3	210.3	90.16	8.971	210.3	1886.5	.000
21000.0	947.8	547.2	-.4063	-1.9343	196976.	2.3	209.8	89.93	8.971	209.8	1881.7	.000
20900.0	947.7	547.2	-.3835	-1.8591	196502.	2.3	209.3	89.69	8.970	209.3	1876.9	.000
20800.0	947.7	547.1	-.3632	-1.7918	196027.	2.3	208.8	89.45	8.969	208.8	1872.0	.000
20700.0	947.6	547.0	-.3451	-1.7311	195552.	2.3	208.3	89.21	8.968	208.3	1867.1	.000
20600.0	947.6	547.0	-.3288	-1.6760	195074.	2.3	207.8	88.98	8.968	207.8	1863.6	.000
20500.0	947.5	546.9	-.3139	-1.6254	194596.	2.3	207.3	88.74	8.967	207.3	1858.9	.000
20400.0	947.5	546.8	-.3003	-1.5789	194117.	2.3	206.8	88.50	8.966	206.8	1854.1	.000
20300.0	947.4	546.7	-.2878	-1.5357	193635.	2.3	206.3	88.26	8.965	206.3	1849.3	.000
20200.0	947.4	546.7	-.2763	-1.4956	193154.	2.3	205.8	88.02	8.965	205.8	1844.5	.000
20100.0	947.3	546.6	-.2656	-1.4581	192671.	2.3	205.3	87.78	8.964	205.3	1840.0	.000
20000.0	947.3	546.5	-.2556	-1.4229	192187.	2.3	204.8	87.54	8.963	204.8	1835.2	.000
19900.0	947.2	546.5	-.2463	-1.3898	191701.	2.3	204.2	87.30	8.962	204.2	1830.4	.000
19800.0	947.2	546.4	-.2375	-1.3585	191214.	2.3	203.7	87.06	8.962	203.7	1825.6	.000
19700.0	947.1	546.3	-.2293	-1.3289	190726.	2.3	203.2	86.82	8.961	203.2	1820.9	.000
19600.0	947.1	546.3	-.2216	-1.3008	190237.	2.3	202.7	86.58	8.960	202.7	1816.1	.000
19500.0	947.0	546.2	-.2143	-1.2741	189746.	2.3	202.2	86.34	8.959	202.2	1811.2	.000
19400.0	947.0	546.1	-.2074	-1.2486	189254.	2.3	201.6	86.10	8.959	201.6	1806.4	.000
19300.0	946.9	546.0	-.2008	-1.2243	188761.	2.3	201.1	85.86	8.958	201.1	1801.6	.000
19200.0	946.9	545.9	-.1945	-1.2011	188266.	2.3	200.6	85.61	8.957	200.6	1796.7	.000
19100.0	946.9	545.9	-.1885	-1.1788	187771.	2.3	200.1	85.36	8.956	200.1	1791.8	.000
19000.0	946.8	545.8	-.1827	-1.1574	187274.	2.3	199.5	85.12	8.956	199.5	1787.0	.000
18900.0	946.8	545.8	-.1771	-1.1369	186775.	2.3	199.0	84.88	8.955	199.0	1782.1	.000
18800.0	946.7	545.7	-.1718	-1.1171	186275.	2.3	198.5	84.63	8.954	198.5	1777.2	.000
18700.0	946.7	545.6	-.1666	-1.0981	185774.	2.3	197.9	84.38	8.953	197.9	1772.3	.000
18600.0	946.6	545.6	-.1616	-1.0798	185272.	2.3	197.4	84.14	8.953	197.4	1767.3	.000
18500.0	946.6	545.5	-.1568	-1.0621	184768.	2.3	196.9	83.89	8.952	196.9	1762.4	.000
18400.0	946.5	545.4	-.1521	-1.0450	184262.	2.3	196.3	83.64	8.951	196.3	1757.4	.000
18300.0	946.5	545.4	-.1476	-1.0285	183756.	2.3	195.8	83.39	8.950	195.8	1752.5	.000
18200.0	946.4	545.3	-.1432	-1.0125	183247.	2.3	195.3	83.14	8.950	195.3	1747.5	.000
18100.0	946.4	545.2	-.1391	-.9970	182738.	2.3	194.7	82.89	8.949	194.7	1742.5	.000
18000.0	946.3	545.1	-.1351	-.9821	182227.	2.3	194.2	82.64	8.948	194.2	1737.5	.000
17900.0	946.3	545.1	-.1312	-.9676	181716.	2.3	193.6	82.39	8.948	193.6	1732.5	.000
17800.0	946.2	545.0	-.1274	-.9535	181202.	2.4	193.1	82.14	8.947	193.1	1727.4	.000
17700.0	946.2	544.9	-.1238	-.9398	180688.	2.4	192.5	81.89	8.946	192.5	1722.4	.000
17600.0	946.1	544.9	-.1203	-.9265	180173.	2.4	192.0	81.64	8.945	192.0	1717.3	.000
17500.0	946.1	544.8	-.1168	-.9136	179656.	2.4	191.4	81.39	8.945	191.4	1712.3	.000
17400.0	946.0	544.7	-.1135	-.9011	179138.	2.4	190.9	81.13	8.944	190.9	1707.2	.000
17300.0	946.0	544.7	-.1102	-.8888	178618.	2.4	190.3	80.88	8.943	190.3	1702.1	.000
17200.0	945.9	544.6	-.1070	-.8771	178095.	2.4	189.8	80.62	8.942	189.8	1697.0	.000
17100.0	945.9	544.5	-.1039	-.8655	177571.	2.4	189.2	80.37	8.942	189.2	1691.8	.000
17000.0	945.8	544.4	-.1009	-.8543	177034.	2.4	188.7	80.11	8.941	188.7	1686.7	.000
16900.0	945.8	544.4	-.0979	-.8433	176507.	2.4	188.1	79.86	8.940	188.1	1681.5	.000
16800.0	945.7	544.3	-.0950	-.8326	175977.	2.4	187.6	79.60	8.939	187.6	1676.4	.000
16700.0	945.7	544.2	-.0922	-.8222	175446.	2.4	187.0	79.34	8.939	187.0	1671.2	.000
16600.0	945.6	544.2	-.0893	-.8120	174914.	2.4	186.4	79.08	8.938	186.4	1666.0	.000
16500.0	945.6	544.1	-.0866	-.8024	174380.	2.4	185.8	78.83	8.937	185.8	1660.8	.000
16400.0	945.5	544.0	-.0838	-.7926	173844.	2.4	185.3	78.57	8.936	185.3	1655.5	.000
16300.0	945.5	544.0	-.0811	-.7831	173306.	2.4	184.7	78.31	8.935	184.7	1650.3	.000
16200.0	945.4	543.9	-.0784	-.7737	172767.	2.4	184.1	78.04	8.935	184.1	1645.0	.000
16100.0	945.4	543.8	-.0758	-.7646	172224.	2.4	183.5	77.78	8.934	183.5	1639.8	.000
16000.0	945.3	543.8	-.0859	-.7556	171683.	2.4	183.0	77.52	8.933	183.0	1634.5	.000
15900.0	945.3	543.7	-.0940	-.7468	171139.	2.4	182.4	77.26	8.933	182.4	1629.2	.000
15800.0	945.2	543.6	-.0917	-.7382	170593.	2.4	181.8	76.99	8.932	181.8	1623.8	.000
15700.0	945.2	543.5	-.0504	-.7298	170045.	2.4	181.2	76.73	8.931	181.2	1618.5	.000
15600.0	945.1	543.5	-.0746	-.7215	169495.	2.4	180.6	76.47	8.930	180.6	1613.1	.000
15500.0	945.1	543.4	-.0769	-.7133	168944.	2.4	180.0	76.20	8.930	180.0	1607.8	.000
15400.0	945.0	543.3	-.0793	-.7053	168390.	2.4	179.5	75.94	8.929	179.5	1602.4	.000
15300.0	945.0	543.3	-.0737	-.6974	167835.	2.4	178.9	75.67	8.928	178.9	1597.0	.000
15200.0	944.9	543.2	-.0721	-.6897	167278.	2.4	178.3	75.40	8.927	178.3	1591.6	.000
15100.0	944.9	543.1	-.0706	-.6821	166719.	2.4	177.7	75.13	8.927	177.7	1586.1	.000
15000.0	944.8	543.1	-.0690	-.6746	166158.	2.4	177.1	74.86	8.926	177.1	1580.7	.000
14900.0	944.7	543.0	-.0676	-.6672	165596.	2.4	176.5	74.59	8.925	176.5	1575.2	.000
14800.0	944.7	542.9	-.0662	-.6600	165031.	2.4	175.9	74.32	8.924	175.9	1569.7	.000
14700.0	944.7	542.8	-.0648	-.6529	164464.	2.4	175.3	74.05	8.924	175.3	1564.2	.000
14600.0	944.6	542.8	-.0634	-.6458	163896.	2.4	174.7	73.78	8.923	174.7	1558.7	.000
14500.0	944.6	542.7	-.0620	-.6389	163325.	2.4	174.1	73.50	8.922	174.1	1553.1	.000
14400.0	944.5	542.6	-.0607	-.6321	162753.	2.4	173.5	73.23	8.922	173.5	1547.6	.000
14300.0	944.5	542.5	-.0595	-.6255	162178.	2.4	172.9	72.95	8.921	172.9	1542.0	.000
14200.0	944.4	542.5	-.0583	-.6188	161601.	2.4	172.3	72.68	8.920	172.3	1536.4	.000
14100.0	944.4	542.4	-.0570	-.6123	161023.	2.4	171.6	72.40	8.919	171.6	1530.7	.000
14000.0	944.3	542.4	-.0558	-.6058	160442.	2.4	171.0	72.12	8.918	171.0	1525.1	.000
13900.0	944.3	542.3	-.0546	-.5995	159859.	2.4	170.4	71.85	8.917	170.4	1519.4	.000
13800.0	944.2	542.2	-.0535	-.5933	159273.	2.4	169.8	71.57	8.916	169.8	1513.8	.000
13700.0	944.2	542.2	-.0524	-.5872	158686.	2.4	169.2	71.29	8.916	169.2	1508.1	.000
13600.0	944.1	542.1	-.0513	-.5810	158096.	2.4	168.5	71.01	8.915	168.5	1502.3	.000
13500.0	944.1	542.0	-.0502	-.5750	157505.	2.4	167.9	70.73	8.915	167.9	1496.6	.000
13400.0	944.0	541.9	-.0492	-.5690	156910.	2.4	167.3	70.44	8.914	167.3	1490.8	.000
13300.0	944.0	541.9	-.0482	-.5631	156314.	2.4	166.6	70.16	8.913	166.6	1485.1	.000
13200.0	943.9	541.8	-.0472	-.5574	155716.	2.4	166.0	69.88	8.913	166.0	1479.3	.000
13100.0	943.9	541.7	-.0462	-.5516	155115.	2.4	165.3	69.59	8.912	165.3	1473.4	.000
13000.0	943.8	541.7	-.0452	-.5460	154511.	2.4	164.7	69.30	8.911	164.7	1467.6	.000
12900.0	943.8	541.6	-.0443	-.5404	153906.	2.4	164.1	69.02	8.910	164.1	1461.7	.000
12800.0	943.7	541.5	-.0433	-.5349	153298.	2.4	163.4	68.73	8.909	163.4	1455.8	.000
12700.0	943.7	541.5	-.0424	-.5294	152687.	2.4	162.8	68.44	8.908	162.8	1449.9	.000
12600.0	943.6	541.4	-.0415	-.5240	152074.	2.4	162.1	68.14	8.908	162.1	1444.0	.000
12500.0	943.6	541.3	-.0407	-.5187	151459.	2.4	161.5	67.86	8.907	161.5	1438.1	.000
12400.0	943.5	541.2	-.0398	-.5134	150841.	2.4	160.8	67.57	8.906	160.8	1432.1	.000
12300.0	943.5	541.2	-.0390	-.5082	150220.	2.4	160.1	67.27	8.905	160.1	1426.1	.000
12200.0	943.4	541.1	-.0382	-.5031	149597.	2.4	159.5	66.98	8.905	159.5	1420.1	.000
12100.0	943.4	541.0	-.0374	-.4979	148971.	2.4	158.8	66.69	8.904	158.8	1414.0	.000

TABLE E. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 400 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
12000.0	943.3	541.0	-.0366	-.4929	144342.	2.4	158.1	66.39	8.903	158.1	1407.9	.000
11900.0	943.3	540.9	-.0358	-.4879	143711.	2.4	157.5	66.09	8.902	157.5	1401.4	.000
11800.0	943.2	540.8	-.0351	-.4829	143077.	2.4	156.8	65.79	8.902	156.8	1395.0	.000
11700.0	943.2	540.8	-.0343	-.4780	142441.	2.4	156.1	65.49	8.901	156.1	1388.5	.000
11600.0	943.1	540.7	-.0336	-.4732	141801.	2.4	155.4	65.19	8.900	155.4	1382.1	.000
11500.0	943.1	540.6	-.0329	-.4684	141159.	2.4	154.7	64.89	8.899	154.7	1377.2	.000
11400.0	943.0	540.5	-.0322	-.4636	140514.	2.4	154.1	64.59	8.899	154.1	1370.6	.000
11300.0	942.9	540.4	-.0315	-.4589	139866.	2.4	153.4	64.28	8.898	153.4	1364.2	.000
11200.0	942.9	540.4	-.0308	-.4542	139215.	2.4	152.7	63.98	8.897	152.7	1358.4	.000
11100.0	942.8	540.3	-.0301	-.4495	142560.	2.4	152.0	63.67	8.896	152.0	1352.1	.000
11000.0	942.8	540.3	-.0295	-.4449	141903.	2.4	151.3	63.37	8.896	151.3	1345.8	.000
10900.0	942.7	540.2	-.0288	-.4404	141243.	2.4	150.6	63.06	8.895	150.6	1339.4	.000
10800.0	942.7	540.1	-.0282	-.4359	140580.	2.4	149.9	62.75	8.894	149.9	1333.0	.000
10700.0	942.6	540.1	-.0276	-.4314	139914.	2.4	149.2	62.43	8.893	149.2	1326.6	.000
10600.0	942.6	540.0	-.0270	-.4269	139244.	2.4	148.5	62.12	8.893	148.5	1320.1	.000
10500.0	942.5	539.9	-.0264	-.4225	138571.	2.4	147.7	61.81	8.892	147.7	1313.7	.000
10400.0	942.5	539.9	-.0258	-.4182	137895.	2.4	147.0	61.49	8.891	147.0	1307.1	.000
10300.0	942.4	539.8	-.0252	-.4138	137215.	2.4	146.3	61.18	8.890	146.3	1300.6	.000
10200.0	942.4	539.7	-.0247	-.4095	136532.	2.4	145.6	60.86	8.890	145.6	1294.0	.000
10100.0	942.3	539.7	-.0241	-.4053	135846.	2.4	144.8	60.54	8.889	144.8	1287.4	.000
10000.0	942.3	539.6	-.0236	-.4010	135156.	2.4	144.1	60.22	8.888	144.1	1280.8	.000
9900.0	942.2	539.5	-.0230	-.3968	134462.	2.4	143.4	59.89	8.887	143.4	1274.1	.000
9800.0	942.2	539.4	-.0224	-.3926	133765.	2.4	142.6	59.57	8.887	142.6	1267.4	.000
9700.0	942.1	539.4	-.0220	-.3885	133064.	2.4	141.9	59.25	8.886	141.9	1260.7	.000
9600.0	942.1	539.3	-.0215	-.3844	132360.	2.4	141.1	58.92	8.885	141.1	1253.9	.000
9500.0	942.0	539.2	-.0210	-.3803	131652.	2.4	140.4	58.59	8.884	140.4	1247.1	.000
9400.0	942.0	539.2	-.0205	-.3762	130939.	2.4	139.6	58.26	8.884	139.6	1240.2	.000
9300.0	941.9	539.1	-.0200	-.3722	130223.	2.4	138.8	57.93	8.883	138.8	1233.4	.000
9200.0	941.9	539.0	-.0196	-.3682	129503.	2.4	138.1	57.59	8.882	138.1	1226.5	.000
9100.0	941.8	539.0	-.0191	-.3642	128779.	2.4	137.3	57.26	8.881	137.3	1219.6	.000
9000.0	941.8	538.9	-.0187	-.3602	128051.	2.4	136.5	56.92	8.881	136.5	1212.5	.000
8900.0	941.7	538.8	-.0182	-.3563	127318.	2.4	135.8	56.58	8.880	135.8	1205.5	.000
8800.0	941.7	538.8	-.0178	-.3524	126582.	2.4	135.0	56.24	8.879	135.0	1198.4	.000
8700.0	941.6	538.7	-.0173	-.3485	125841.	2.4	134.2	55.90	8.878	134.2	1191.3	.000
8600.0	941.6	538.6	-.0169	-.3446	125095.	2.4	133.4	55.56	8.877	133.4	1184.2	.000
8500.0	941.5	538.5	-.0165	-.3408	124345.	2.4	132.6	55.21	8.877	132.6	1177.0	.000
8400.0	941.5	538.5	-.0161	-.3370	123591.	2.4	131.8	54.87	8.876	131.8	1169.7	.000
8300.0	941.4	538.4	-.0157	-.3332	122832.	2.4	131.0	54.52	8.875	131.0	1162.5	.000
8200.0	941.4	538.3	-.0153	-.3294	122068.	2.4	130.2	54.17	8.874	130.2	1155.1	.000
8100.0	941.3	538.3	-.0149	-.3256	121299.	2.4	129.3	53.81	8.874	129.3	1147.8	.000
8000.0	941.3	538.2	-.0145	-.3219	120525.	2.4	128.5	53.46	8.873	128.5	1140.4	.000
7900.0	941.2	538.1	-.0142	-.3182	119747.	2.4	127.7	53.10	8.872	127.7	1132.9	.000
7800.0	941.2	538.0	-.0138	-.3144	118963.	2.4	126.9	52.74	8.871	126.9	1125.4	.000
7700.0	941.1	538.0	-.0134	-.3108	118174.	2.4	126.0	52.38	8.871	126.0	1117.8	.000
7600.0	941.1	537.9	-.0131	-.3071	117379.	2.4	125.2	52.01	8.870	125.2	1110.2	.000
7500.0	941.0	537.9	-.0127	-.3034	116580.	2.4	124.3	51.65	8.869	124.3	1102.6	.000
7400.0	941.0	537.8	-.0124	-.2998	115774.	2.4	123.5	51.28	8.868	123.5	1094.9	.000
7300.0	940.9	537.7	-.0120	-.2961	114963.	2.4	122.7	50.91	8.868	122.7	1087.1	.000
7200.0	940.9	537.7	-.0117	-.2925	114146.	2.4	121.8	50.54	8.867	121.8	1079.3	.000
7100.0	940.8	537.6	-.0114	-.2889	113324.	2.4	120.9	50.16	8.866	120.9	1071.5	.000
7000.0	940.7	537.5	-.0111	-.2853	112495.	2.4	120.0	49.78	8.865	120.0	1063.5	.000
6900.0	940.7	537.4	-.0108	-.2818	111660.	2.4	119.2	49.40	8.864	119.2	1055.6	.000
6800.0	940.6	537.4	-.0105	-.2782	110819.	2.4	118.3	49.02	8.864	118.3	1047.5	.000
6700.0	940.6	537.3	-.0102	-.2746	109971.	2.4	117.3	48.63	8.863	117.3	1039.4	.000
6600.0	940.5	537.2	-.0099	-.2711	109117.	2.4	116.4	48.24	8.862	116.4	1031.3	.000
6500.0	940.5	537.1	-.0096	-.2676	108255.	2.4	115.5	47.85	8.861	115.5	1023.1	.000
6400.0	940.4	537.1	-.0093	-.2640	107387.	2.4	114.5	47.46	8.861	114.5	1014.8	.000
6300.0	940.4	537.0	-.0090	-.2605	106512.	2.4	113.6	47.06	8.860	113.6	1006.4	.000
6200.0	940.3	537.0	-.0087	-.2570	105630.	2.4	112.7	46.66	8.859	112.7	998.0	.000
6100.0	940.3	536.9	-.0085	-.2535	104740.	2.4	111.7	46.26	8.858	111.7	989.5	.000
6000.0	940.2	536.8	-.0082	-.2500	103842.	2.4	110.7	45.85	8.858	110.7	981.0	.000
5900.0	940.2	536.8	-.0079	-.2465	102937.	2.4	109.8	45.44	8.857	109.8	972.3	.000
5800.0	940.1	536.7	-.0077	-.2431	102023.	2.4	108.8	45.03	8.856	108.8	963.6	.000
5700.0	940.1	536.6	-.0074	-.2396	101102.	2.4	107.8	44.61	8.855	107.8	954.9	.000
5600.0	940.0	536.5	-.0072	-.2361	100171.	2.4	106.8	44.19	8.854	106.8	946.0	.000
5500.0	940.0	536.5	-.0069	-.2326	99232.	2.4	105.8	43.76	8.854	105.8	937.1	.000
5400.0	939.9	536.4	-.0067	-.2292	98284.	2.4	104.8	43.34	8.853	104.8	928.0	.000
5300.0	939.9	536.3	-.0065	-.2257	97327.	2.4	103.8	42.90	8.852	103.8	918.8	.000
5200.0	939.8	536.3	-.0063	-.2222	96360.	2.4	102.8	42.47	8.851	102.8	909.7	.000
5100.0	939.8	536.2	-.0060	-.2188	95384.	2.4	101.7	42.03	8.851	101.7	900.4	.000
5000.0	939.7	536.1	-.0058	-.2153	94397.	2.4	100.7	41.58	8.850	100.7	891.0	.000
4900.0	939.7	536.1	-.0056	-.2119	93400.	2.4	99.6	41.13	8.849	99.6	881.5	.000
4800.0	939.6	536.0	-.0054	-.2084	92391.	2.4	98.5	40.68	8.848	98.5	871.9	.000
4700.0	939.6	535.9	-.0052	-.2049	91372.	2.4	97.5	40.22	8.848	97.5	862.3	.000
4600.0	939.5	535.9	-.0050	-.2014	90342.	2.4	96.4	39.76	8.847	96.4	852.5	.000
4500.0	939.4	535.8	-.0048	-.1980	89299.	2.4	95.2	39.29	8.846	95.2	842.6	.000
4400.0	939.4	535.7	-.0046	-.1945	88244.	2.4	94.1	38.82	8.845	94.1	832.6	.000
4300.0	939.3	535.7	-.0044	-.1910	87176.	2.4	93.0	38.34	8.845	93.0	822.4	.000
4200.0	939.3	535.6	-.0042	-.1875	86095.	2.4	91.8	37.86	8.844	91.8	812.2	.000
4100.0	939.2	535.5	-.0040	-.1840	85000.	2.4	90.7	37.37	8.843	90.7	801.8	.000
4000.0	939.2	535.4	-.0039	-.1805	83891.	2.4	89.5	36.87	8.842	89.5	791.2	.000
3900.0	939.1	535.4	-.0037	-.1769	82769.	2.4	88.3	36.37	8.841	88.3	780.6	.000
3800.0	939.1	535.3	-.0035	-.1734	81633.	2.4	87.1	35.86	8.841	87.1	769.8	.000
3700.0	939.0	535.2	-.0034	-.1698	80481.	2.4	85.8	35.34	8.840	85.8	758.8	.000
3600.0	939.0	535.2	-.0032	-.1663	79299.	2.4	84.6	34.82	8.839	84.6	747.7	.000
3500.0	938.9	535.1	-.0030	-.1627	78108.	2.4	83.3	34.29	8.838	83.3	736.4	.000
3400.0	938.9	535.0	-.0029	-.1591	76900.	2.4	82.0	33.75	8.838	82.0	725.0	.000
3300.0	938.8	535.0	-.0027	-.1554	75671.	2.4	80.7	33.21	8.837	80.7	713.3	.000
3200.0	938.8	534.9	-.0026	-.1518	74423.	2.4	79.4	32.65	8.836	79.4	701.5	.000
3100.0	938.7	534.8	-.0024	-.1481	73153.	2.4	78.0	32.09	8.835	78.0	689.5	.000
3000.0	938.7	534.8	-.0023	-.1444	71861.	2.4	76.7	31.51	8.835	76.7	677.2	.000
2900.0	938.6	534.7	-.0022	-.1406	70545.	2.4	75.3	30.93	8.834	75.3	664.8	.000
2800.0	938.6	534.6	-.0020	-.1369	69204.	2.4	73.8	30.33	8.833	73.8	652.1	.000
2700.0	938.5	534.6	-.0019	-.1331	67836.	2.4	72.4	29.73	8.832	72.4	639.2	.000
2600.0	938.5	534.5	-.0018	-.1292	66441.	2.4	70.9	29.11	8.831	70.9	626.0	.000
2500.0	938.4	534.4	-.0017	-.1253	65015.	2.4	69.4	28.48	8.831	69.4	612.5	.000
2400.0	938.3	534.3	-.0016	-.1214	63557.	2.4	67.8	27.83	8.830	67.8	598.7	.000
2300.0	938.3	534.3	-.0014	-.1174	62065.	2.4	66.2	27.17	8.829	66.2	584.6	.000
2200.0	938.2	534.2	-.0013	-.1133	60536.	2.4	64.5	26.50	8.828	64.6	570.2	.000
2100.0	938.2	534.1	-.0012	-.1092	58967.	2.4	62.9	25.80	8.828	62.9	555.3	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 400 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AMS M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
2000.0	938.1	534.1	-.0311	-.1051	57356.	2.4	61.2	25.09	8.827	61.2	540.1	.000
1900.0	938.1	534.0	-.0310	-.1008	55508.	2.4	59.4	24.36	8.826	59.4	524.8	.000
1800.0	938.0	533.9	-.0309	-.0965	53689.	2.4	57.6	23.61	8.825	57.6	508.3	.000
1700.0	938.0	533.9	-.0308	-.0921	51773.	2.4	55.7	22.85	8.823	55.7	491.7	.000
1600.0	937.9	533.8	-.0308	-.0879	50197.	2.4	53.9	22.08	8.824	53.8	474.4	.000
1500.0	937.9	533.7	-.0307	-.0829	48301.	2.4	51.7	21.19	8.823	51.7	456.5	.000
1400.0	937.8	533.7	-.0306	-.0781	46478.	2.4	49.6	20.31	8.821	49.6	439.6	.000
1300.0	937.8	533.6	-.0305	-.0734	44669.	2.4	47.4	19.43	8.821	47.4	418.9	.000
1200.0	937.7	533.5	-.0304	-.0687	42906.	2.4	45.3	18.55	8.820	45.3	398.1	.000
1100.0	937.7	533.5	-.0304	-.0629	40029.	2.4	42.9	17.48	8.820	42.9	376.9	.000
1000.0	937.6	533.4	-.0303	-.0574	37614.	2.4	40.1	16.42	8.819	40.1	353.9	.000
900.0	937.6	533.3	-.0302	-.0516	35032.	2.4	37.4	15.29	8.818	37.4	329.6	.000
800.0	937.5	533.2	-.0301	-.0454	32245.	2.4	34.4	14.07	8.817	34.4	303.4	.000
700.0	937.5	533.2	-.0300	-.0390	29192.	2.4	31.1	12.73	8.816	31.1	274.6	.000
600.0	937.4	533.1	-.0301	-.0321	25981.	2.4	27.5	11.24	8.816	27.5	242.5	.000
500.0	937.3	533.0	-.0301	-.0244	21843.	2.4	23.3	9.52	8.815	23.3	205.4	.000
400.0	937.3	533.0	-.0300	-.0159	17016.	2.4	18.2	7.43	8.814	18.2	160.0	.000
300.0	937.2	532.9	-.0300	-.0061	10099.	2.4	10.8	4.40	8.814	10.8	95.0	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 410 K)

PO KPA	RO KG/M3	HO KJ/KG	XJ	AO	G KG/(S-M2)	AVF M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
22120.0	940.2	590.1	*******	********	200922.	3.0	215.9	71.66	8.165	215.9	1743.1	.000
22150.0	940.2	590.1	-4.1570	-13.1856	200851.	3.0	215.8	71.62	8.165	215.8	1762.3	.000
22000.0	940.1	590.1	-1.5217	-5.3330	200371.	3.0	215.4	71.44	8.164	215.4	1758.1	.000
21900.0	940.1	590.0	-1.0787	-4.0001	199916.	3.0	214.9	71.26	8.163	214.9	1753.7	.000
21800.0	940.0	589.9	-.8598	-3.3665	199447.	3.0	214.4	71.08	8.162	214.4	1749.4	.000
21700.0	940.0	589.9	-.7421	-2.9723	198984.	3.0	213.9	70.90	8.162	213.9	1745.1	.000
21600.0	939.9	589.8	-.6536	-2.6981	198519.	3.0	213.4	70.72	8.161	213.4	1741.3	.000
21500.0	939.9	589.7	-.5870	-2.4917	198053.	3.0	212.9	70.54	8.160	212.9	1737.1	.000
21400.0	939.8	589.7	-.5358	-2.3386	197586.	3.0	212.4	70.36	8.160	212.4	1732.9	.000
21300.0	939.8	589.6	-.4938	-2.1950	197118.	3.0	211.9	70.18	8.159	211.9	1728.6	.000
21200.0	939.7	589.5	-.4587	-2.0826	196649.	3.0	211.4	69.99	8.158	211.4	1724.4	.000
21100.0	939.7	589.5	-.4280	-1.9863	196179.	3.0	210.9	69.81	8.158	210.9	1720.1	.000
21000.0	939.6	589.4	-.4030	-1.9022	195708.	3.0	210.4	69.63	8.157	210.4	1715.9	.000
20900.0	939.6	589.3	-.3803	-1.8379	195235.	3.0	209.9	69.44	8.156	209.9	1711.6	.000
20800.0	939.5	589.2	-.3602	-1.7616	194762.	3.0	209.3	69.26	8.156	209.3	1707.3	.000
20700.0	939.4	589.2	-.3422	-1.7017	194287.	3.0	208.8	69.08	8.155	208.8	1703.0	.000
20600.0	939.4	589.1	-.3260	-1.6472	193811.	3.0	208.3	68.89	8.154	208.3	1698.7	.000
20500.0	939.3	589.0	-.3112	-1.5973	193334.	3.0	207.8	68.71	8.153	207.8	1694.4	.000
20400.0	939.3	589.0	-.2979	-1.5513	192855.	3.0	207.3	68.52	8.153	207.3	1690.1	.000
20300.0	939.2	588.9	-.2852	-1.5087	192376.	3.0	206.8	68.34	8.152	206.8	1685.8	.000
20200.0	939.2	588.8	-.2738	-1.4691	191895.	3.0	206.3	68.15	8.151	206.3	1681.4	.000
20100.0	939.1	588.8	-.2631	-1.4321	191413.	3.0	205.8	67.96	8.151	205.8	1677.1	.000
20000.0	939.1	588.7	-.2532	-1.3973	190930.	3.0	205.2	67.78	8.150	205.2	1672.7	.000
19900.0	939.0	588.6	-.2438	-1.3646	190448.	3.0	204.7	67.59	8.149	204.7	1668.3	.000
19800.0	939.0	588.6	-.2353	-1.3338	189959.	3.0	204.2	67.40	8.149	204.2	1663.9	.000
19700.0	938.9	588.5	-.2271	-1.3045	189472.	3.0	203.7	67.21	8.148	203.7	1659.5	.000
19600.0	938.9	588.4	-.2194	-1.2768	188984.	3.0	203.2	67.03	8.147	203.2	1655.1	.000
19500.0	938.8	588.4	-.2122	-1.2504	188494.	3.0	202.6	66.84	8.146	202.6	1650.7	.000
19400.0	938.8	588.3	-.2053	-1.2253	188004.	3.0	202.1	66.65	8.146	202.1	1646.3	.000
19300.0	938.7	588.2	-.1988	-1.2012	187511.	3.0	201.6	66.46	8.145	201.6	1641.9	.000
19200.0	938.7	588.2	-.1926	-1.1783	187018.	3.0	201.0	66.27	8.144	201.0	1637.4	.000
19100.0	938.6	588.1	-.1867	-1.1563	186523.	3.0	200.5	66.08	8.144	200.5	1633.0	.000
19000.0	938.6	588.0	-.1811	-1.1352	186027.	3.0	200.0	65.89	8.143	200.0	1628.5	.000
18900.0	938.5	588.0	-.1758	-1.1149	185530.	3.0	199.4	65.70	8.142	199.5	1624.0	.000
18800.0	938.5	587.9	-.1707	-1.0956	185031.	3.0	198.9	65.51	8.142	198.9	1619.5	.000
18700.0	938.4	587.8	-.1658	-1.0765	184531.	3.0	198.4	65.31	8.141	198.4	1615.0	.000
18600.0	938.4	587.8	-.1611	-1.0585	184029.	3.0	197.8	65.12	8.140	197.8	1610.5	.000
18500.0	938.3	587.7	-.1566	-1.0410	183526.	3.0	197.3	64.93	8.139	197.3	1606.0	.000
18400.0	938.3	587.6	-.1523	-1.0241	183022.	3.0	196.8	64.74	8.139	196.8	1601.4	.000
18300.0	938.2	587.6	-.1482	-1.0078	182516.	3.0	196.3	64.54	8.138	196.3	1596.9	.000
18200.0	938.2	587.5	-.1443	-.9920	182009.	3.0	195.7	64.35	8.137	195.7	1592.3	.000
18100.0	938.1	587.4	-.1404	-.9768	181500.	3.0	195.1	64.16	8.137	195.1	1587.8	.000
18000.0	938.1	587.4	-.1368	-.9620	180990.	3.0	194.6	63.96	8.136	194.6	1583.2	.000
17900.0	938.0	587.3	-.1332	-.9476	180479.	3.0	194.0	63.77	8.135	194.0	1578.6	.000
17800.0	938.0	587.2	-.1298	-.9337	179966.	3.0	193.5	63.57	8.135	193.5	1574.0	.000
17700.0	937.9	587.2	-.1265	-.9202	179451.	3.0	192.9	63.37	8.134	192.9	1569.3	.000
17600.0	937.9	587.1	-.1234	-.9071	178935.	3.0	192.4	63.18	8.133	192.4	1564.7	.000
17500.0	937.8	587.0	-.1203	-.8944	178418.	3.0	191.8	62.98	8.132	191.8	1560.1	.000
17400.0	937.8	587.0	-.1174	-.8820	177899.	3.0	191.3	62.78	8.132	191.3	1555.4	.000
17300.0	937.7	586.9	-.1145	-.8700	177378.	3.0	190.7	62.59	8.131	190.7	1550.7	.000
17200.0	937.7	586.8	-.1117	-.8582	176856.	3.0	190.2	62.39	8.130	190.2	1546.1	.000
17100.0	937.6	586.8	-.1091	-.8468	176333.	3.0	189.6	62.19	8.130	189.6	1541.4	.000
17000.0	937.6	586.7	-.1065	-.8357	175808.	3.0	189.0	61.99	8.129	189.0	1536.6	.000
16900.0	937.5	586.6	-.1040	-.8249	175281.	3.1	188.5	61.79	8.128	188.5	1531.9	.000
16800.0	937.5	586.6	-.1016	-.8143	174753.	3.1	187.9	61.59	8.128	187.9	1527.2	.000
16700.0	937.4	586.5	-.0992	-.8040	174222.	3.1	187.3	61.39	8.127	187.3	1522.4	.000
16600.0	937.3	586.4	-.0969	-.7940	173691.	3.1	186.8	61.19	8.126	186.8	1517.7	.000
16500.0	937.3	586.4	-.0948	-.7844	173158.	3.1	186.2	60.99	8.125	186.2	1512.9	.000
16400.0	937.2	586.3	-.0926	-.7748	172623.	3.1	185.6	60.78	8.125	185.6	1508.1	.000
16300.0	937.1	586.2	-.0906	-.7654	172086.	3.1	185.0	60.58	8.124	185.0	1503.3	.000
16200.0	937.1	586.2	-.0885	-.7562	171548.	3.1	184.5	60.38	8.123	184.5	1498.5	.000
16100.0	937.1	586.1	-.0866	-.7471	171008.	3.1	183.9	60.18	8.123	183.9	1493.6	.000
16000.0	937.0	586.0	-.0847	-.7383	170466.	3.1	183.3	59.97	8.122	183.3	1488.8	.000
15900.0	937.0	586.0	-.0828	-.7296	169922.	3.1	182.7	59.77	8.121	182.7	1483.9	.000
15800.0	936.9	585.9	-.0810	-.7211	169377.	3.1	182.1	59.56	8.121	182.1	1479.1	.000
15700.0	936.9	585.8	-.0792	-.7134	168830.	3.1	181.6	59.36	8.120	181.6	1474.2	.000
15600.0	936.8	585.7	-.0775	-.7045	168281.	3.1	181.0	59.15	8.119	181.0	1469.3	.000
15500.0	936.8	585.7	-.0758	-.6965	167731.	3.1	180.4	58.94	8.118	180.4	1464.3	.000
15400.0	936.7	585.6	-.0741	-.6885	167178.	3.1	179.8	58.73	8.117	179.8	1459.4	.000
15300.0	936.7	585.5	-.0725	-.6808	166624.	3.1	179.2	58.53	8.117	179.2	1454.4	.000
15200.0	936.6	585.5	-.0710	-.6731	166068.	3.1	178.6	58.32	8.116	178.6	1449.5	.000
15100.0	936.6	585.4	-.0695	-.6656	165510.	3.1	178.0	58.11	8.116	178.0	1444.5	.000
15000.0	936.5	585.3	-.0680	-.6582	164950.	3.1	177.4	57.90	8.115	177.4	1439.5	.000
14900.0	936.5	585.3	-.0665	-.6509	164388.	3.1	176.8	57.69	8.114	176.8	1434.5	.000
14800.0	936.4	585.2	-.0651	-.6438	163824.	3.1	176.2	57.48	8.113	176.2	1429.4	.000
14700.0	936.4	585.1	-.0637	-.6367	163258.	3.1	175.6	57.27	8.113	175.6	1424.4	.000
14600.0	936.3	585.1	-.0624	-.6298	162690.	3.1	175.0	57.05	8.112	175.0	1419.3	.000
14500.0	936.3	585.0	-.0610	-.6229	162120.	3.1	174.4	56.84	8.111	174.4	1414.2	.000
14400.0	936.2	584.9	-.0597	-.6162	161549.	3.1	173.7	56.63	8.111	173.7	1409.1	.000
14300.0	936.2	584.9	-.0585	-.6096	160975.	3.1	173.1	56.41	8.110	173.1	1404.0	.000
14200.0	936.1	584.8	-.0572	-.6030	160399.	3.1	172.5	56.20	8.109	172.5	1398.9	.000
14100.0	936.0	584.7	-.0560	-.5966	159821.	3.1	171.9	55.98	8.109	171.9	1393.7	.000
14000.0	936.0	584.7	-.0549	-.5902	159241.	3.1	171.3	55.77	8.108	171.3	1388.6	.000
13900.0	935.9	584.6	-.0537	-.5840	158658.	3.1	170.6	55.55	8.107	170.6	1383.4	.000
13800.0	935.9	584.5	-.0526	-.5778	158074.	3.1	170.0	55.33	8.106	170.0	1378.2	.000
13700.0	935.8	584.5	-.0515	-.5717	157487.	3.1	169.4	55.12	8.105	169.4	1373.0	.000
13600.0	935.8	584.4	-.0504	-.5657	156898.	3.1	168.8	54.90	8.105	168.8	1367.7	.000
13500.0	935.7	584.3	-.0493	-.5597	156307.	3.1	168.1	54.68	8.104	168.1	1362.5	.000
13400.0	935.7	584.3	-.0483	-.5539	155714.	3.1	167.5	54.46	8.104	167.5	1357.2	.000
13300.0	935.6	584.2	-.0473	-.5481	155118.	3.1	166.8	54.24	8.103	166.8	1351.9	.000
13200.0	935.6	584.1	-.0463	-.5423	154520.	3.1	166.2	54.02	8.102	166.2	1346.6	.000
13100.0	935.5	584.1	-.0453	-.5367	153920.	3.1	165.6	53.79	8.101	165.6	1341.2	.000
13000.0	935.5	584.0	-.0444	-.5311	153317.	3.1	164.9	53.57	8.101	164.9	1335.9	.000
12900.0	935.4	583.9	-.0434	-.5255	152712.	3.1	164.3	53.35	8.100	164.3	1330.5	.000
12800.0	935.4	583.9	-.0425	-.5201	152105.	3.1	163.6	53.13	8.099	163.6	1325.1	.000
12700.0	935.3	583.8	-.0416	-.5147	151495.	3.1	163.0	52.90	8.099	163.0	1319.7	.000
12600.0	935.3	583.7	-.0407	-.5094	150882.	3.1	162.3	52.67	8.098	162.3	1314.2	.000
12500.0	935.2	583.7	-.0399	-.5041	150267.	3.1	161.6	52.45	8.097	161.6	1308.8	.000
12400.0	935.2	583.6	-.0390	-.4989	149650.	3.1	161.0	52.22	8.096	161.0	1303.3	.000
12300.0	935.1	583.5	-.0382	-.4938	149030.	3.1	160.3	51.99	8.096	160.3	1297.8	.000
12200.0	935.1	583.5	-.0374	-.4887	148407.	3.1	159.6	51.76	8.095	159.6	1292.3	.000
12100.0	935.0	583.4	-.0366	-.4836	147782.	3.1	159.0	51.53	8.094	159.0	1286.7	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 410 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AME M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
12000.0	934.9	583.3	-.0358	-.4786	147154.	3.1	158.3	51.30	8.094	158.3	1281.2	.000
11900.0	934.9	583.3	-.0351	-.4737	146823.	3.1	157.6	51.07	8.093	157.6	1279.6	.000
11800.0	934.8	583.2	-.0343	-.4688	145490.	3.1	156.9	50.84	8.092	156.9	1270.0	.000
11700.0	934.8	583.1	-.0336	-.4639	145254.	3.1	156.3	50.60	8.091	156.3	1264.3	.000
11600.0	934.7	583.1	-.0329	-.4591	144614.	3.1	155.6	50.37	8.091	155.6	1258.7	.000
11500.0	934.7	583.0	-.0322	-.4543	143973.	3.1	154.9	50.13	8.090	154.9	1253.0	.000
11400.0	934.6	582.9	-.0315	-.4496	143328.	3.1	154.2	49.90	8.089	154.2	1247.3	.000
11300.0	934.6	582.9	-.0308	-.4450	142680.	3.1	153.5	49.66	8.089	153.5	1241.5	.000
11200.0	934.5	582.8	-.0301	-.4403	142029.	3.1	152.8	49.42	8.088	152.8	1235.8	.000
11100.0	934.5	582.7	-.0294	-.4357	141376.	3.1	152.1	49.19	8.087	152.1	1230.0	.000
11000.0	934.4	582.7	-.0288	-.4312	140719.	3.1	151.4	48.95	8.087	151.4	1224.2	.000
10900.0	934.4	582.6	-.0281	-.4267	140059.	3.1	150.7	48.70	8.086	150.7	1218.3	.000
10800.0	934.3	582.5	-.0274	-.4222	139396.	3.1	150.0	48.46	8.085	150.0	1212.5	.000
10700.0	934.3	582.5	-.0270	-.4178	138730.	3.1	149.3	48.22	8.084	149.2	1206.6	.000
10600.0	934.2	582.4	-.0264	-.4134	138060.	3.1	148.5	47.98	8.084	148.5	1200.7	.000
10500.0	934.2	582.3	-.0258	-.4090	137387.	3.1	147.8	47.73	8.083	147.8	1194.7	.000
10400.0	934.1	582.3	-.0252	-.4047	136711.	3.1	147.1	47.49	8.082	147.1	1188.7	.000
10300.0	934.1	582.2	-.0246	-.4004	136032.	3.1	146.4	47.24	8.082	146.4	1182.7	.000
10200.0	934.0	582.1	-.0241	-.3962	135349.	3.1	145.6	46.99	8.081	145.6	1176.7	.000
10100.0	933.9	582.1	-.0235	-.3919	134663.	3.1	144.9	46.74	8.080	144.9	1170.6	.000
10000.0	933.9	582.0	-.0230	-.3878	133973.	3.1	144.1	46.49	8.079	144.1	1164.6	.000
9900.0	933.8	581.9	-.0225	-.3836	133279.	3.1	143.4	46.24	8.078	143.4	1158.4	.000
9800.0	933.8	581.9	-.0220	-.3795	132582.	3.1	142.6	45.99	8.078	142.6	1152.3	.000
9700.0	933.7	581.8	-.0215	-.3754	131881.	3.1	141.9	45.73	8.077	141.9	1146.1	.000
9600.0	933.7	581.7	-.0210	-.3713	131177.	3.1	141.1	45.48	8.077	141.1	1139.9	.000
9500.0	933.6	581.7	-.0205	-.3672	130468.	3.1	140.4	45.22	8.076	140.4	1133.6	.000
9400.0	933.6	581.6	-.0200	-.3632	129756.	3.1	139.6	44.97	8.075	139.6	1127.4	.000
9300.0	933.5	581.5	-.0195	-.3592	129040.	3.1	138.8	44.71	8.074	138.8	1121.0	.000
9200.0	933.5	581.5	-.0191	-.3553	128319.	3.1	138.1	44.45	8.074	138.1	1114.7	.000
9100.0	933.4	581.4	-.0186	-.3513	127595.	3.1	137.3	44.19	8.073	137.3	1108.3	.000
9000.0	933.4	581.3	-.0182	-.3474	126866.	3.1	136.5	43.92	8.072	136.5	1101.9	.000
8900.0	933.3	581.3	-.0177	-.3435	126133.	3.1	135.7	43.66	8.071	135.7	1095.5	.000
8800.0	933.3	581.2	-.0173	-.3397	125396.	3.1	134.9	43.40	8.071	134.9	1089.0	.000
8700.0	933.2	581.1	-.0169	-.3358	124655.	3.1	134.1	43.13	8.070	134.1	1082.4	.000
8600.0	933.1	581.1	-.0165	-.3320	123909.	3.1	133.3	42.86	8.069	133.3	1075.9	.000
8500.0	933.1	581.0	-.0160	-.3282	123158.	3.1	132.5	42.59	8.069	132.5	1069.3	.000
8400.0	933.0	580.9	-.0156	-.3244	122403.	3.1	131.7	42.32	8.068	131.7	1062.6	.000
8300.0	933.0	580.9	-.0152	-.3206	121644.	3.1	130.9	42.05	8.067	130.9	1055.9	.000
8200.0	932.9	580.8	-.0149	-.3169	120879.	3.1	130.1	41.77	8.066	130.1	1049.2	.000
8100.0	932.9	580.7	-.0145	-.3132	120109.	3.1	129.2	41.50	8.066	129.2	1042.5	.000
8000.0	932.8	580.7	-.0141	-.3095	119335.	3.1	128.4	41.22	8.065	128.4	1035.7	.000
7900.0	932.8	580.6	-.0137	-.3058	118555.	3.1	127.6	40.94	8.064	127.6	1028.9	.000
7800.0	932.7	580.5	-.0134	-.3021	117771.	3.1	126.7	40.66	8.064	126.7	1022.0	.000
7700.0	932.7	580.5	-.0130	-.2985	116981.	3.1	125.9	40.38	8.063	125.9	1015.0	.000
7600.0	932.6	580.4	-.0127	-.2948	116185.	3.1	125.0	40.10	8.062	125.0	1008.0	.000
7500.0	932.6	580.3	-.0123	-.2912	115384.	3.1	124.2	39.81	8.061	124.2	1001.0	.000
7400.0	932.5	580.3	-.0120	-.2876	114578.	3.1	123.3	39.52	8.061	123.3	993.9	.000
7300.0	932.4	580.2	-.0116	-.2840	113765.	3.1	122.4	39.23	8.060	122.4	986.8	.000
7200.0	932.4	580.1	-.0113	-.2804	112947.	3.1	121.5	38.94	8.059	121.5	979.6	.000
7100.0	932.3	580.1	-.0110	-.2769	112123.	3.1	120.7	38.65	8.059	120.7	972.4	.000
7000.0	932.3	580.0	-.0107	-.2733	111293.	3.1	119.8	38.35	8.058	119.8	965.1	.000
6900.0	932.2	579.9	-.0104	-.2698	110456.	3.1	118.9	38.06	8.057	118.9	957.8	.000
6800.0	932.2	579.9	-.0101	-.2662	109613.	3.1	118.0	37.76	8.056	118.0	950.4	.000
6700.0	932.1	579.8	-.0098	-.2627	108763.	3.1	117.1	37.46	8.056	117.1	942.9	.000
6600.0	932.1	579.7	-.0095	-.2592	107907.	3.1	116.1	37.15	8.055	116.1	935.4	.000
6500.0	932.0	579.7	-.0092	-.2557	107044.	3.1	115.2	36.85	8.054	115.2	927.9	.000
6400.0	931.9	579.6	-.0090	-.2522	106174.	3.1	114.3	36.54	8.054	114.3	920.3	.000
6300.0	931.9	579.5	-.0087	-.2488	105297.	3.1	113.3	36.23	8.053	113.3	912.6	.000
6200.0	931.8	579.5	-.0084	-.2453	104413.	3.1	112.4	35.92	8.052	112.4	904.8	.000
6100.0	931.8	579.4	-.0081	-.2418	103519.	3.1	111.4	35.60	8.051	111.4	897.0	.000
6000.0	931.8	579.3	-.0079	-.2384	102619.	3.1	110.4	35.28	8.051	110.4	889.2	.000
5900.0	931.7	579.3	-.0076	-.2349	101711.	3.1	109.5	34.96	8.050	109.5	881.3	.000
5800.0	931.6	579.2	-.0074	-.2315	100794.	3.1	108.5	34.64	8.049	108.5	873.2	.000
5700.0	931.6	579.1	-.0071	-.2280	99869.	3.1	107.5	34.31	8.048	107.5	865.1	.000
5600.0	931.5	579.1	-.0069	-.2246	98936.	3.1	106.5	33.98	8.048	106.5	857.0	.000
5500.0	931.5	579.0	-.0067	-.2212	97993.	3.1	105.5	33.65	8.047	105.5	848.7	.000
5400.0	931.4	578.9	-.0064	-.2177	97042.	3.1	104.4	33.32	8.046	104.4	840.4	.000
5300.0	931.4	578.9	-.0062	-.2143	96081.	3.1	103.4	32.98	8.046	103.4	832.0	.000
5200.0	931.3	578.8	-.0060	-.2109	95110.	3.1	102.4	32.64	8.045	102.4	823.6	.000
5100.0	931.3	578.7	-.0058	-.2074	94129.	3.1	101.3	32.30	8.044	101.3	815.0	.000
5000.0	931.2	578.7	-.0056	-.2040	93138.	3.1	100.3	31.95	8.043	100.3	806.4	.000
4900.0	931.2	578.6	-.0053	-.2006	92136.	3.1	99.2	31.60	8.043	99.2	797.6	.000
4800.0	931.1	578.5	-.0051	-.1972	91123.	3.1	98.1	31.24	8.042	98.1	788.8	.000
4700.0	931.0	578.5	-.0049	-.1937	90099.	3.1	97.0	30.88	8.041	97.0	779.9	.000
4600.0	931.0	578.4	-.0047	-.1903	89062.	3.1	95.9	30.52	8.041	94.9	770.8	.000
4500.0	930.9	578.3	-.0046	-.1868	88014.	3.1	94.7	30.16	8.040	94.7	761.7	.000
4400.0	930.9	578.3	-.0044	-.1834	86953.	3.1	93.6	29.78	8.039	93.6	752.4	.000
4300.0	930.8	578.2	-.0042	-.1799	85879.	3.1	92.4	29.41	8.038	92.4	743.1	.000
4200.0	930.8	578.2	-.0040	-.1765	84791.	3.1	91.3	29.03	8.038	91.3	733.6	.000
4100.0	930.7	578.1	-.0038	-.1730	83689.	3.1	90.1	28.65	8.037	90.1	724.0	.000
4000.0	930.7	578.0	-.0037	-.1695	82572.	3.1	88.9	28.26	8.036	88.9	714.3	.000
3900.0	930.6	578.0	-.0035	-.1660	81440.	3.1	87.7	27.86	8.035	87.7	704.5	.000
3800.0	930.6	577.9	-.0033	-.1625	80291.	3.1	86.4	27.46	8.035	86.4	694.5	.000
3700.0	930.5	577.8	-.0032	-.1590	79127.	3.1	85.2	27.05	8.034	85.2	684.3	.000
3600.0	930.4	577.8	-.0030	-.1555	77944.	3.1	83.9	26.65	8.033	83.9	674.1	.000
3500.0	930.4	577.7	-.0029	-.1519	76744.	3.2	82.6	26.23	8.033	82.6	663.6	.000
3400.0	930.3	577.6	-.0027	-.1483	75524.	3.2	81.3	25.81	8.032	81.3	653.0	.000
3300.0	930.3	577.6	-.0026	-.1447	74284.	3.2	80.0	25.38	8.031	80.0	642.2	.000
3200.0	930.2	577.5	-.0024	-.1411	73024.	3.2	78.6	24.94	8.030	78.6	631.3	.000
3100.0	930.2	577.4	-.0023	-.1375	71740.	3.2	77.2	24.50	8.030	77.2	620.1	.000
3000.0	930.1	577.4	-.0022	-.1338	70436.	3.2	75.8	24.05	8.029	75.8	608.8	.000
2900.0	930.1	577.3	-.0020	-.1301	69103.	3.2	74.4	23.59	8.028	74.4	597.3	.000
2800.0	930.0	577.2	-.0019	-.1264	67744.	3.2	72.9	23.12	8.027	72.9	585.5	.000
2700.0	930.0	577.2	-.0018	-.1225	66350.	3.2	71.4	22.64	8.027	71.4	573.5	.000
2600.0	929.9	577.1	-.0017	-.1184	64946.	3.2	69.9	22.15	8.026	69.9	561.2	.000
2500.0	929.8	577.0	-.0015	-.1142	63499.	3.2	68.4	21.65	8.025	68.4	548.8	.000
2400.0	929.8	577.0	-.0014	-.1100	62019.	3.2	66.8	21.14	8.025	66.8	535.8	.000
2300.0	929.7	576.9	-.0013	-.1057	60503.	3.2	65.1	20.62	8.024	65.1	522.7	.000
2200.0	929.7	576.8	-.0012	-.1013	58948.	3.2	63.4	20.09	8.023	63.4	509.2	.000
2100.0	929.6	576.8	-.0011	-.0990	57350.	3.2	61.7	19.54	8.022	61.7	495.3	.000

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 410 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
2000.0	929.6	576.7	-.0010	-.0940	55706.	3.2	60.0	18.97	0.022	60.0	481.1	.000
1900.0	929.5	576.6	-.0009	-.0907	54013.	3.2	58.2	18.39	0.021	58.2	466.4	.000
1800.0	929.5	576.6	-.0008	-.0864	52265.	3.2	56.3	17.79	0.020	56.3	451.3	.000
1700.0	929.4	576.5	-.0008	-.0820	50456.	3.2	54.3	17.17	0.019	54.3	435.7	.000
1600.0	929.4	576.4	-.0007	-.0775	48579.	3.2	52.3	16.53	0.019	52.3	419.4	.000
1500.0	929.3	576.4	-.0006	-.0729	46627.	3.2	50.2	15.86	0.018	50.2	402.5	.000
1400.0	929.2	576.3	-.0005	-.0682	44590.	3.2	48.0	15.17	0.017	48.0	384.9	.000
1300.0	929.2	576.2	-.0505	-.0633	42455.	3.2	45.7	14.44	0.017	45.7	366.5	.000
1200.0	929.1	576.2	-.0004	-.0583	40207.	3.2	43.3	13.67	0.016	43.3	347.0	.000
1100.0	929.1	576.1	-.0503	-.0531	37825.	3.2	40.7	12.86	0.015	40.7	326.4	.000
1000.0	929.0	576.0	-.0003	-.0476	35283.	3.2	38.0	11.99	0.014	38.0	304.5	.000
900.0	928.9	576.0	-.0002	-.0419	32543.	3.2	35.0	11.06	0.014	35.0	280.8	.000
800.0	928.9	575.9	-.0002	-.0359	29549.	3.2	31.8	10.04	0.013	31.8	254.9	.000
700.0	928.9	575.8	-.0001	-.0295	26215.	3.2	28.2	8.90	0.012	28.2	226.2	.000
600.0	928.8	575.8	-.0001	-.0226	22391.	3.2	24.1	7.60	0.011	24.1	193.2	.000
500.0	928.7	575.7	-.0000	-.0150	17762.	3.2	19.1	6.03	0.011	19.1	153.2	.000
400.0	928.7	575.6	-.0000	-.0066	11383.	3.2	12.3	3.86	0.010	12.3	98.2	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 420 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AME M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
22120.0	931.6	632.4	*******	********	199503.	3.8	216.4	56.29	7.459	216.4	1614.5	.000
22100.0	931.6	632.4	-4.1353	-17.9974	199411.	3.9	216.3	56.26	7.459	216.3	1613.7	.000
22000.0	931.6	632.4	-1.5125	-5.2525	198952.	3.8	215.9	56.12	7.458	215.9	1609.9	.000
21900.0	931.5	632.3	-1.0317	-3.3379	198491.	3.8	215.4	55.97	7.457	215.4	1606.0	.000
21800.0	931.5	632.2	-.8538	-2.6110	198028.	3.8	214.9	55.83	7.456	214.9	1602.2	.000
21700.0	931.4	632.2	-.7368	-2.2241	197567.	3.8	214.4	55.69	7.455	214.4	1598.4	.000
21600.0	931.4	632.1	-.6488	-1.9537	197104.	3.9	213.9	55.55	7.455	213.9	1594.4	.000
21500.0	931.3	632.0	-.5831	-1.7501	196639.	3.9	213.4	55.40	7.455	213.4	1590.5	.000
21400.0	931.2	632.0	-.5316	-1.5892	196170.	3.9	212.9	55.26	7.454	212.9	1586.6	.000
21300.0	931.2	631.9	-.4908	-1.4574	195700.	3.9	212.3	55.11	7.454	212.3	1582.7	.000
21200.0	931.1	631.8	-.4569	-1.3466	195228.	3.9	211.8	54.97	7.453	211.8	1578.8	.000
21150.0	931.1	631.8	-.4252	-1.2516	194769.	3.9	211.3	54.83	7.452	211.3	1574.9	.000
21000.0	931.0	631.7	-.3995	-1.1687	194298.	3.9	210.8	54.68	7.452	210.8	1571.0	.000
20900.0	931.0	631.6	-.3770	-1.0954	193826.	3.9	210.3	54.54	7.451	210.3	1567.0	.000
20800.0	930.9	631.6	-.3570	-1.0299	193354.	3.9	209.8	54.39	7.448	209.8	1563.1	.000
20700.0	930.9	631.5	-.3391	-1.0708	192880.	3.9	209.3	54.24	7.450	209.3	1559.1	.000
20600.0	930.8	631.5	-.3229	-1.6171	192405.	3.9	208.8	54.10	7.449	208.8	1555.2	.000
20500.0	930.8	631.4	-.3083	-1.5679	191928.	3.9	208.3	53.95	7.448	208.3	1551.2	.000
20400.0	930.7	631.3	-.2948	-1.5225	191451.	3.9	207.7	53.81	7.449	207.7	1547.2	.000
20300.0	930.7	631.3	-.2825	-1.4805	190972.	3.9	207.2	53.66	7.446	207.2	1543.2	.000
20200.0	930.6	631.2	-.2711	-1.4414	190492.	3.9	206.7	53.51	7.446	206.7	1539.2	.000
20100.0	930.6	631.1	-.2605	-1.4049	190011.	3.9	206.2	53.36	7.446	206.2	1535.2	.000
20000.0	930.5	631.1	-.2506	-1.3706	189529.	3.9	205.7	53.22	7.445	205.7	1531.2	.000
19900.0	930.5	631.0	-.2414	-1.3383	189045.	3.9	205.1	53.07	7.444	205.1	1527.2	.000
19800.0	930.4	630.9	-.2328	-1.3078	188560.	3.9	204.6	52.92	7.444	204.6	1523.1	.000
19700.0	930.4	630.9	-.2247	-1.2790	188074.	3.9	204.1	52.77	7.443	204.1	1519.1	.000
19600.0	930.3	630.8	-.2171	-1.2516	187587.	3.9	203.6	52.62	7.442	203.6	1515.0	.000
19500.0	930.2	630.7	-.2099	-1.2256	187098.	3.9	203.0	52.47	7.442	203.0	1511.0	.000
19400.0	930.2	630.7	-.2030	-1.2008	186608.	3.9	202.5	52.33	7.441	202.5	1506.9	.000
19300.0	930.1	630.6	-.1966	-1.1771	186117.	3.9	202.0	52.18	7.440	202.0	1502.8	.000
19200.0	930.1	630.5	-.1904	-1.1544	185624.	3.9	201.4	52.03	7.440	201.4	1498.7	.000
19100.0	930.0	630.5	-.1846	-1.1327	185130.	3.9	200.9	51.88	7.439	200.9	1494.6	.000
19000.0	930.0	630.4	-.1790	-1.1119	184635.	3.9	200.4	51.72	7.438	200.4	1490.5	.000
18900.0	929.9	630.4	-.1737	-1.0918	184138.	3.9	199.8	51.57	7.438	199.8	1486.4	.000
18800.0	929.9	630.3	-.1687	-1.0725	183640.	3.9	199.3	51.42	7.437	199.3	1482.2	.000
18700.0	929.8	630.2	-.1638	-1.0541	183141.	3.9	198.8	51.27	7.436	198.8	1478.1	.000
18600.0	929.8	630.2	-.1592	-1.0362	182640.	3.9	198.2	51.12	7.436	198.2	1473.9	.000
18500.0	929.7	630.1	-.1547	-1.0189	182138.	3.9	197.7	50.97	7.435	197.7	1469.8	.000
18400.0	929.7	630.0	-.1505	-1.0023	181635.	3.9	197.1	50.81	7.434	197.1	1465.6	.000
18300.0	929.6	630.0	-.1464	-.9862	181130.	3.9	196.6	50.66	7.434	196.6	1461.4	.000
18200.0	929.6	629.9	-.1425	-.9706	180623.	3.9	196.0	50.51	7.433	196.0	1457.2	.000
18100.0	929.5	629.8	-.1387	-.9555	180115.	3.9	195.5	50.35	7.432	195.5	1453.0	.000
18000.0	929.4	629.8	-.1350	-.9410	179606.	3.9	194.9	50.20	7.432	194.9	1448.7	.000
17900.0	929.4	629.7	-.1315	-.9268	179095.	3.9	194.4	50.05	7.431	194.4	1444.4	.000
17800.0	929.3	629.6	-.1281	-.9131	178583.	3.9	193.8	49.89	7.430	193.8	1440.3	.000
17700.0	929.3	629.6	-.1248	-.8999	178070.	3.9	193.3	49.74	7.430	193.3	1436.0	.000
17600.0	929.2	629.5	-.1217	-.8869	177554.	3.9	192.7	49.58	7.429	192.7	1431.7	.000
17500.0	929.2	629.4	-.1187	-.8742	177038.	3.9	192.2	49.43	7.428	192.2	1427.5	.000
17400.0	929.1	629.4	-.1158	-.8620	176520.	3.9	191.6	49.27	7.428	191.6	1423.2	.000
17300.0	929.1	629.3	-.1129	-.8501	176000.	3.9	191.0	49.11	7.427	191.0	1418.9	.000
17200.0	929.0	629.3	-.1102	-.8386	175478.	3.9	190.5	48.96	7.426	190.5	1414.6	.000
17100.0	929.0	629.2	-.1076	-.8273	174956.	3.9	189.9	48.80	7.426	189.9	1410.2	.000
17000.0	928.9	629.1	-.1050	-.8163	174431.	3.9	189.3	48.64	7.425	189.3	1405.9	.000
16900.0	928.9	629.1	-.1025	-.8056	173905.	3.9	188.8	48.48	7.424	188.8	1401.5	.000
16800.0	928.8	629.0	-.1001	-.7952	173377.	3.9	188.2	48.33	7.424	188.2	1397.2	.000
16700.0	928.7	628.9	-.0978	-.7850	172848.	3.9	187.6	48.17	7.423	187.6	1392.8	.000
16600.0	928.7	628.9	-.0955	-.7751	172317.	3.9	187.1	48.01	7.422	187.1	1388.4	.000
16500.0	928.6	628.8	-.0934	-.7657	171785.	3.9	186.5	47.85	7.422	186.5	1384.0	.000
16400.0	928.6	628.7	-.0912	-.7562	171250.	3.9	185.9	47.69	7.421	185.9	1379.6	.000
16300.0	928.5	628.7	-.0892	-.7469	170714.	3.9	185.3	47.53	7.420	185.3	1375.2	.000
16200.0	928.5	628.6	-.0872	-.7378	170177.	3.9	184.7	47.37	7.420	184.7	1370.7	.000
16100.0	928.4	628.5	-.0852	-.7289	169637.	3.9	184.2	47.21	7.419	184.2	1366.3	.000
16000.0	928.4	628.5	-.0833	-.7201	169096.	3.9	183.6	47.05	7.418	183.6	1361.8	.000
15900.0	928.3	628.4	-.0815	-.7116	168553.	3.9	183.0	46.88	7.418	183.0	1357.3	.000
15800.0	928.3	628.3	-.0797	-.7031	168009.	3.9	182.4	46.72	7.417	182.4	1352.8	.000
15700.0	928.2	628.3	-.0779	-.6949	167462.	3.9	181.8	46.56	7.416	181.8	1348.3	.000
15600.0	928.2	628.2	-.0762	-.6868	166914.	3.9	181.2	46.40	7.416	181.2	1343.8	.000
15500.0	928.1	628.2	-.0746	-.6788	166364.	3.9	180.6	46.23	7.415	180.6	1339.3	.000
15400.0	928.0	628.1	-.0729	-.6710	165812.	3.9	180.0	46.07	7.414	180.0	1334.7	.000
15300.0	928.0	628.0	-.0713	-.6633	165258.	3.9	179.4	45.90	7.414	179.4	1330.2	.000
15200.0	927.9	627.9	-.0698	-.6558	164703.	3.9	178.8	45.74	7.413	178.8	1325.6	.000
15100.0	927.9	627.9	-.0683	-.6483	164145.	3.9	178.2	45.57	7.412	178.2	1321.0	.000
15000.0	927.8	627.8	-.0668	-.6410	163586.	3.9	177.6	45.41	7.412	177.6	1316.4	.000
14900.0	927.8	627.8	-.0654	-.6339	163024.	3.9	177.0	45.24	7.411	177.0	1311.8	.000
14800.0	927.7	627.7	-.0640	-.6268	162461.	3.9	176.4	45.07	7.410	176.4	1307.1	.000
14700.0	927.7	627.6	-.0626	-.6198	161896.	3.9	175.8	44.91	7.410	175.8	1302.4	.000
14600.0	927.6	627.6	-.0613	-.6130	161329.	3.9	175.2	44.74	7.409	175.2	1297.8	.000
14500.0	927.6	627.5	-.0600	-.6062	160759.	3.9	174.5	44.57	7.408	174.5	1293.1	.000
14400.0	927.5	627.4	-.0587	-.5996	160188.	3.9	173.9	44.40	7.408	173.9	1288.4	.000
14300.0	927.4	627.4	-.0574	-.5930	159614.	3.9	173.3	44.23	7.407	173.3	1283.7	.000
14200.0	927.4	627.3	-.0562	-.5865	159039.	3.9	172.7	44.06	7.406	172.7	1279.0	.000
14100.0	927.3	627.3	-.0550	-.5802	158461.	3.9	172.1	43.89	7.406	172.1	1274.2	.000
14000.0	927.3	627.2	-.0538	-.5739	157881.	3.9	171.4	43.72	7.405	171.4	1269.5	.000
13900.0	927.2	627.1	-.0527	-.5677	157299.	3.9	170.8	43.55	7.404	170.8	1264.7	.000
13800.0	927.2	627.1	-.0516	-.5616	156715.	3.9	170.2	43.38	7.404	170.2	1259.9	.000
13700.0	927.1	627.0	-.0505	-.5555	156130.	3.9	169.5	43.21	7.403	169.5	1255.1	.000
13600.0	927.1	626.9	-.0494	-.5497	155540.	3.9	168.9	43.03	7.402	168.9	1250.2	.000
13500.0	927.0	626.9	-.0484	-.5438	154950.	3.9	168.3	42.86	7.402	168.3	1245.4	.000
13400.0	927.0	626.8	-.0474	-.5380	154356.	3.9	167.6	42.69	7.401	167.6	1240.5	.000
13300.0	926.9	626.7	-.0464	-.5323	153761.	3.9	167.0	42.51	7.400	167.0	1235.6	.000
13200.0	926.9	626.7	-.0454	-.5266	153163.	3.9	166.3	42.34	7.400	166.3	1230.7	.000
13100.0	926.8	626.6	-.0444	-.5210	152563.	3.9	165.7	42.16	7.399	165.7	1225.8	.000
13000.0	926.7	626.5	-.0435	-.5155	151961.	3.9	165.0	41.99	7.398	165.0	1220.9	.000
12900.0	926.7	626.5	-.0425	-.5101	151358.	3.9	164.4	41.81	7.398	164.4	1215.9	.000
12800.0	926.6	626.4	-.0416	-.5047	150749.	3.9	163.7	41.63	7.397	163.7	1210.9	.000
12700.0	926.5	626.4	-.0408	-.4993	150139.	3.9	163.0	41.45	7.396	163.0	1205.9	.000
12600.0	926.5	626.3	-.0399	-.4941	149527.	3.9	162.4	41.27	7.396	162.4	1200.9	.000
12500.0	926.5	626.2	-.0390	-.4889	148912.	3.9	161.7	41.09	7.395	161.7	1195.9	.000
12400.0	926.4	626.2	-.0382	-.4837	148294.	3.9	161.0	40.91	7.394	161.0	1190.8	.000
12300.0	926.4	626.1	-.0374	-.4786	147674.	3.9	160.4	40.73	7.394	160.4	1185.8	.000
12200.0	926.3	626.0	-.0366	-.4735	147052.	3.9	159.7	40.55	7.393	159.7	1180.7	.000
12100.0	926.2	626.0	-.0358	-.4686	146427.	3.9	159.0	40.37	7.392	159.0	1175.5	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 420 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	HAVG	SLIP	VL M/S	VV M/S	XF
12000.0	926.2	625.9	-.0150	-.4636	145799.	3.9	158.3	40.19	7.392	158.3	1170.4	.000
11900.0	926.1	625.8	-.0143	-.4588	145168.	3.9	157.7	40.01	7.391	157.7	1165.9	.000
11800.0	926.1	625.8	-.0136	-.4539	144534.	3.9	157.0	39.82	7.390	157.0	1160.9	.000
11700.0	926.0	625.7	-.0128	-.4491	143898.	3.9	156.3	39.64	7.390	156.3	1154.9	.000
11600.0	926.0	625.6	-.0121	-.4444	143259.	3.9	155.6	39.45	7.389	155.6	1149.7	.000
11500.0	925.9	625.6	-.0114	-.4397	142617.	3.9	154.9	39.27	7.388	154.9	1144.4	.000
11400.0	925.9	625.5	-.0107	-.4350	141972.	3.9	154.2	39.08	7.388	154.2	1139.1	.000
11300.0	925.8	625.5	-.0101	-.4304	141324.	3.9	153.5	38.89	7.387	153.5	1133.8	.000
11200.0	925.8	625.4	-.0094	-.4258	140673.	3.9	152.8	38.70	7.386	152.8	1128.5	.000
11100.0	925.7	625.3	-.0088	-.4213	140019.	3.9	152.1	38.51	7.386	152.1	1123.2	.000
11000.0	925.6	625.3	-.0081	-.4168	139362.	3.9	151.4	38.32	7.385	151.4	1117.8	.000
10900.0	925.6	625.2	-.0075	-.4123	138702.	4.0	150.7	38.13	7.384	150.7	1112.5	.000
10800.0	925.5	625.1	-.0069	-.4079	138039.	4.0	149.9	37.94	7.384	149.9	1107.0	.000
10700.0	925.5	625.1	-.0063	-.4035	137372.	4.0	149.2	37.75	7.383	149.2	1101.6	.000
10600.0	925.4	625.0	-.0057	-.3992	136702.	4.0	148.5	37.56	7.382	148.5	1096.1	.000
10500.0	925.4	624.9	-.0051	-.3949	136029.	4.0	147.8	37.36	7.382	147.8	1090.7	.000
10400.0	925.3	624.9	-.0045	-.3906	135352.	4.0	147.0	37.17	7.381	147.0	1085.1	.000
10300.0	925.3	624.8	-.0040	-.3864	134672.	4.0	146.3	36.97	7.380	146.3	1079.6	.000
10200.0	925.2	624.8	-.0035	-.3822	133989.	4.0	145.5	36.78	7.380	145.5	1074.0	.000
10100.0	925.1	624.7	-.0029	-.3780	133302.	4.0	144.8	36.58	7.379	144.8	1068.4	.000
10000.0	925.1	624.6	-.0024	-.3739	132611.	4.0	144.0	36.38	7.378	144.0	1062.8	.000
9900.0	925.0	624.6	-.0019	-.3697	131919.	4.0	143.3	36.18	7.378	143.3	1057.2	.000
9800.0	925.0	624.5	-.0014	-.3657	131219.	4.0	142.5	35.98	7.377	142.5	1051.5	.000
9700.0	924.9	624.4	-.0009	-.3616	130518.	4.0	141.8	35.78	7.376	141.8	1045.8	.000
9600.0	924.9	624.4	-.0004	-.3576	129812.	4.0	141.0	35.58	7.376	141.0	1040.1	.000
9500.0	924.8	624.3	-.0199	-.3536	129103.	4.0	140.2	35.38	7.375	140.2	1034.3	.000
9400.0	924.8	624.2	-.0194	-.3496	128390.	4.0	139.5	35.17	7.374	139.5	1028.5	.000
9300.0	924.7	624.1	-.0190	-.3457	127673.	4.0	138.7	34.97	7.373	138.7	1022.7	.000
9200.0	924.6	624.1	-.0185	-.3417	126951.	4.0	137.9	34.76	7.373	137.9	1016.8	.000
9100.0	924.6	624.0	-.0181	-.3378	126226.	4.0	137.1	34.56	7.372	137.1	1010.9	.000
9000.0	924.5	624.0	-.0176	-.3340	125496.	4.0	136.3	34.35	7.371	136.3	1005.0	.000
8900.0	924.5	623.9	-.0171	-.3301	124762.	4.0	135.5	34.14	7.371	135.5	999.0	.000
8800.0	924.4	623.8	-.0167	-.3263	124024.	4.0	134.7	33.93	7.370	134.7	993.0	.000
8700.0	924.4	623.8	-.0164	-.3225	123281.	4.0	133.9	33.72	7.369	133.9	987.0	.000
8600.0	924.3	623.7	-.0159	-.3187	122534.	4.0	133.1	33.51	7.369	133.1	980.9	.000
8500.0	924.3	623.7	-.0155	-.3150	121782.	4.0	132.3	33.29	7.368	132.3	974.8	.000
8400.0	924.2	623.6	-.0151	-.3113	121025.	4.0	131.5	33.08	7.367	131.5	968.7	.000
8300.0	924.1	623.5	-.0146	-.3076	120264.	4.0	130.7	32.86	7.367	130.7	962.5	.000
8200.0	924.1	623.5	-.0142	-.3039	119497.	4.0	129.8	32.65	7.366	129.8	956.3	.000
8100.0	924.0	623.4	-.0140	-.3001	118726.	4.0	129.0	32.43	7.365	129.0	950.1	.000
8000.0	924.0	623.3	-.0136	-.2965	117950.	4.0	128.1	32.21	7.365	128.1	943.8	.000
7900.0	923.9	623.3	-.0133	-.2928	117168.	4.0	127.3	31.99	7.364	127.3	937.4	.000
7800.0	923.9	623.2	-.0129	-.2892	116382.	4.0	126.4	31.76	7.363	126.4	931.1	.000
7700.0	923.8	623.1	-.0126	-.2856	115589.	4.0	125.6	31.54	7.363	125.6	924.7	.000
7600.0	923.8	623.1	-.0122	-.2820	114792.	4.0	124.7	31.32	7.362	124.7	918.2	.000
7500.0	923.7	623.0	-.0119	-.2784	113989.	4.0	123.9	31.09	7.361	123.9	911.7	.000
7400.0	923.6	623.0	-.0116	-.2748	113180.	4.0	123.0	30.86	7.361	123.0	905.2	.000
7300.0	923.6	622.9	-.0112	-.2713	112365.	4.0	122.1	30.63	7.360	122.1	898.6	.000
7200.0	923.5	622.8	-.0109	-.2677	111544.	4.0	121.2	30.40	7.359	121.2	891.9	.000
7100.0	923.4	622.8	-.0106	-.2642	110717.	4.0	120.3	30.17	7.359	120.3	885.2	.000
7000.0	923.4	622.7	-.0103	-.2607	109884.	4.0	119.4	29.93	7.358	119.4	878.5	.000
6900.0	923.4	622.6	-.0100	-.2572	109044.	4.0	118.5	29.70	7.357	118.5	871.7	.000
6800.0	923.3	622.6	-.0097	-.2537	108198.	4.0	117.6	29.46	7.356	117.6	864.9	.000
6700.0	923.3	622.5	-.0094	-.2502	107346.	4.0	116.6	29.22	7.356	116.6	858.0	.000
6600.0	923.2	622.5	-.0091	-.2468	106486.	4.0	115.7	28.98	7.355	115.7	851.1	.000
6500.0	923.1	622.4	-.0089	-.2433	105619.	4.0	114.8	28.74	7.354	114.8	844.1	.000
6400.0	923.1	622.3	-.0086	-.2399	104746.	4.0	113.8	28.49	7.354	113.8	837.0	.000
6300.0	923.0	622.3	-.0083	-.2364	103864.	4.0	112.9	28.25	7.353	112.9	829.9	.000
6200.0	923.0	622.2	-.0081	-.2330	102976.	4.0	111.9	28.00	7.352	111.9	822.7	.000
6100.0	922.9	622.1	-.0078	-.2296	102079.	4.0	110.9	27.75	7.352	110.9	815.5	.000
6000.0	922.9	622.1	-.0076	-.2261	101174.	4.0	109.9	27.50	7.351	109.9	808.2	.000
5900.0	922.8	622.0	-.0073	-.2229	100262.	4.0	109.0	27.24	7.350	109.0	800.8	.000
5800.0	922.7	621.9	-.0071	-.2193	99341.	4.0	108.0	26.98	7.350	108.0	793.4	.000
5700.0	922.7	621.9	-.0068	-.2159	98411.	4.0	106.9	26.73	7.349	106.9	785.9	.000
5600.0	922.6	621.8	-.0066	-.2125	97472.	4.0	105.9	26.46	7.348	105.9	778.4	.000
5500.0	922.6	621.8	-.0064	-.2091	96524.	4.0	104.9	26.20	7.348	104.9	770.7	.000
5400.0	922.5	621.7	-.0061	-.2057	95567.	4.0	103.9	25.93	7.347	103.9	763.0	.000
5300.0	922.5	621.6	-.0059	-.2023	94600.	4.0	102.8	25.67	7.346	102.8	755.3	.000
5200.0	922.4	621.6	-.0057	-.1990	93623.	4.0	101.7	25.39	7.346	101.7	747.4	.000
5100.0	922.4	621.5	-.0055	-.1956	92636.	4.0	100.7	25.12	7.345	100.7	739.5	.000
5000.0	922.3	621.4	-.0053	-.1922	91638.	4.0	99.6	24.84	7.344	99.6	731.4	.000
4900.0	922.2	621.4	-.0051	-.1888	90629.	4.0	98.5	24.56	7.343	98.5	723.3	.000
4800.0	922.2	621.3	-.0049	-.1854	89608.	4.0	97.4	24.28	7.343	97.4	715.1	.000
4700.0	922.1	621.3	-.0047	-.1820	88576.	4.0	96.3	24.00	7.342	96.3	706.8	.000
4600.0	922.1	621.2	-.0045	-.1786	87532.	4.0	95.1	23.71	7.341	95.1	698.4	.000
4500.0	922.0	621.1	-.0043	-.1752	86475.	4.0	94.0	23.42	7.341	94.0	689.9	.000
4400.0	921.9	621.1	-.0041	-.1718	85404.	4.0	92.8	23.12	7.340	92.8	681.3	.000
4300.0	921.9	621.0	-.0040	-.1683	84321.	4.0	91.6	22.82	7.339	91.6	672.6	.000
4200.0	921.8	620.9	-.0038	-.1649	83223.	4.0	90.5	22.52	7.339	90.5	663.8	.000
4100.0	921.8	620.9	-.0036	-.1615	82110.	4.0	89.2	22.21	7.338	89.2	654.9	.000
4000.0	921.7	620.8	-.0034	-.1580	80982.	4.0	88.0	21.90	7.337	88.0	645.8	.000
3900.0	921.7	620.7	-.0033	-.1546	79838.	4.0	86.8	21.59	7.337	86.8	636.7	.000
3800.0	921.6	620.7	-.0031	-.1511	78678.	4.0	85.5	21.27	7.336	85.5	627.4	.000
3700.0	921.6	620.6	-.0030	-.1476	77500.	4.0	84.2	20.95	7.335	84.2	617.9	.000
3600.0	921.5	620.6	-.0028	-.1441	76303.	4.0	82.9	20.62	7.335	82.9	608.3	.000
3500.0	921.4	620.5	-.0027	-.1406	75088.	4.0	81.6	20.28	7.334	81.6	598.6	.000
3400.0	921.4	620.4	-.0025	-.1371	73853.	4.0	80.3	19.95	7.333	80.3	588.7	.000
3300.0	921.3	620.4	-.0024	-.1335	72596.	4.0	78.9	19.60	7.333	78.9	578.6	.000
3200.0	921.3	620.3	-.0023	-.1299	71318.	4.0	77.5	19.25	7.332	77.5	568.4	.000
3100.0	921.2	620.2	-.0021	-.1263	70016.	4.0	76.1	18.90	7.331	76.1	558.0	.000
3000.0	921.2	620.2	-.0020	-.1227	68689.	4.0	74.7	18.53	7.330	74.7	547.3	.000
2900.0	921.1	620.1	-.0019	-.1190	67336.	4.0	73.2	18.16	7.330	73.2	536.5	.000
2800.0	921.0	620.0	-.0018	-.1153	65955.	4.0	71.7	17.79	7.329	71.7	525.4	.000
2700.0	921.0	620.0	-.0016	-.1116	64545.	4.0	70.2	17.40	7.328	70.2	514.2	.000
2600.0	920.9	619.9	-.0015	-.1079	63103.	4.0	68.6	17.01	7.328	68.6	502.7	.000
2500.0	920.9	619.9	-.0014	-.1040	61628.	4.0	67.0	16.61	7.327	67.0	490.9	.000
2400.0	920.8	619.8	-.0013	-.1001	60115.	4.0	65.4	16.20	7.326	65.4	478.8	.000
2300.0	920.8	619.7	-.0012	-.0962	58566.	4.0	63.7	15.77	7.326	63.7	466.4	.000
2200.0	920.7	619.7	-.0011	-.0923	56972.	4.0	61.9	15.34	7.325	61.9	453.7	.000
2100.0	920.6	619.6	-.0010	-.0883	55333.	4.0	60.2	14.90	7.324	60.2	440.6	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 420 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
2000.0	920.6	619.5	-.0309	-.0842	53644.	4.0	58.3	14.44	7.324	58.3	427.1	.000
1900.0	920.5	619.5	-.0308	-.0800	51900.	4.0	56.4	13.97	7.323	56.4	413.2	.000
1800.0	920.5	619.4	-.0307	-.0758	50095.	4.0	54.5	13.48	7.322	54.4	398.8	.000
1700.0	920.4	619.4	-.0307	-.0714	48222.	4.0	52.4	12.97	7.321	52.4	383.8	.000
1600.0	920.4	619.3	-.0306	-.0670	46274.	4.0	50.3	12.44	7.321	50.3	368.3	.000
1500.0	920.3	619.2	-.0305	-.0624	44240.	4.0	48.1	11.89	7.320	48.1	352.1	.000
1400.0	920.2	619.2	-.0304	-.0578	42108.	4.0	45.8	11.32	7.319	45.8	335.1	.000
1300.0	920.2	619.1	-.0304	-.0529	39862.	4.0	43.3	10.71	7.319	43.3	317.3	.000
1200.0	920.1	619.0	-.0303	-.0480	37481.	4.0	40.8	10.07	7.318	40.8	298.2	.000
1100.0	920.1	619.0	-.0303	-.0428	34938.	4.0	38.0	9.38	7.317	38.0	278.0	.000
1000.0	920.0	618.9	-.0302	-.0374	32196.	4.0	35.0	8.64	7.317	35.0	256.1	.000
900.0	920.0	618.9	-.0302	-.0318	29196.	4.1	31.7	7.84	7.316	31.7	232.5	.000
800.0	919.9	618.8	-.0301	-.0258	25851.	4.1	28.1	6.94	7.315	28.1	206.6	.000
700.0	919.8	618.7	-.0301	-.0194	22002.	4.1	23.9	5.90	7.315	23.9	175.9	.000
600.0	919.8	618.7	-.0300	-.0126	17119.	4.1	18.8	4.65	7.314	18.8	137.7	.000
500.0	919.7	618.6	-.0300	-.0051	10760.	4.1	11.7	2.89	7.313	11.7	85.6	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 430 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
22120.0	922.7	675.0	********	********	197926.	4.8	216.9	44.78	6.843	216.9	1484.1	.000
22100.0	922.7	674.9	-4.1121	-12.8009	197834.	4.8	216.8	44.76	6.843	216.8	1483.4	.000
22000.0	922.6	674.9	-1.5027	-5.4654	197376.	4.8	216.3	44.65	6.842	216.3	1479.8	.000
21900.0	922.6	674.8	-1.0642	-3.8729	196916.	4.8	215.8	44.55	6.841	215.8	1476.3	.000
21800.0	922.5	674.8	-.8974	-3.2651	196455.	4.8	215.3	44.42	6.841	215.3	1472.8	.000
21700.0	922.5	674.7	-.7911	-2.8778	195994.	4.8	214.8	44.30	6.840	214.8	1469.3	.000
21600.0	922.4	674.6	-.6936	-2.5223	195531.	4.8	214.3	44.19	6.840	214.3	1465.7	.000
21500.0	922.4	674.6	-.5983	-2.1867	195067.	4.9	213.8	44.07	6.839	213.8	1462.1	.000
21400.0	922.3	674.5	-.5071	-1.8681	194601.	4.9	213.3	43.96	6.838	213.3	1458.5	.000
21300.0	922.2	674.4	-.4186	-1.5628	194134.	4.9	212.8	43.84	6.838	212.8	1454.9	.000
21200.0	922.2	674.4	-.3309	-1.2680	193665.	4.9	212.3	43.73	6.837	212.3	1451.3	.000
21100.0	922.2	674.3	-.2419	-.9813	193196.	4.9	211.9	43.61	6.836	211.9	1447.6	.000
21000.0	922.1	674.3	-.1959	-.8336	192729.	4.9	211.7	43.50	6.836	211.7	1443.8	.000
20900.0	922.0	674.2	-.1495	-.6844	192259.	4.9	211.2	43.38	6.835	211.2	1440.2	.000
20800.0	922.0	674.1	-.1036	-.5368	191787.	4.9	210.7	43.26	6.835	210.7	1436.5	.000
20700.0	921.9	674.0	-.0586	-.3926	191313.	4.9	210.2	43.15	6.834	210.2	1432.8	.000
20600.0	921.9	674.0	-.0149	-.2496	190838.	4.9	209.7	43.03	6.833	209.7	1429.2	.000
20500.0	921.8	673.9	-.1251	-1.5171	190363.	4.9	208.6	42.91	6.833	208.6	1425.5	.000
20400.0	921.8	673.8	-.0818	-1.4024	189886.	4.9	208.1	42.79	6.832	208.1	1421.8	.000
20300.0	921.7	673.8	-.0377	-1.2910	189408.	4.9	207.6	42.68	6.831	207.6	1418.2	.000
20200.0	921.7	673.7	.0062	-1.1794	188929.	4.9	207.1	42.56	6.831	207.1	1414.5	.000
20100.0	921.6	673.7	.0499	-1.0684	188449.	4.9	206.5	42.44	6.830	206.5	1410.8	.000
20000.0	921.5	673.6	-.2479	-1.3626	187967.	4.9	206.0	42.32	6.830	206.0	1407.0	.000
19900.0	921.5	673.6	-.2038	-1.2508	187484.	4.9	205.5	42.20	6.829	205.5	1403.3	.000
19800.0	921.4	673.5	-.1596	-1.1408	187000.	4.9	205.0	42.08	6.828	205.0	1399.6	.000
19700.0	921.4	673.4	-.1152	-1.0313	186514.	4.9	204.4	41.97	6.828	204.4	1395.8	.000
19600.0	921.3	673.4	-.0716	-.9233	186028.	4.9	203.9	41.85	6.827	203.9	1392.1	.000
19500.0	921.3	673.3	-.2074	-1.1997	185539.	4.9	203.4	41.73	6.826	203.4	1388.3	.000
19400.0	921.2	673.3	-.1507	-1.0752	185050.	4.9	202.8	41.61	6.826	202.8	1384.5	.000
19300.0	921.2	673.2	-.1042	-.9518	184559.	4.9	202.3	41.49	6.825	202.3	1380.7	.000
19200.0	921.1	673.1	-.0582	-.8295	184067.	4.9	201.8	41.37	6.824	201.8	1377.0	.000
19100.0	921.0	673.1	-.0124	-1.1081	183574.	4.9	201.2	41.25	6.824	201.2	1373.2	.000
19000.0	921.0	673.0	-.1768	-1.0875	183079.	4.9	200.7	41.13	6.823	200.7	1369.3	.000
18900.0	920.9	672.9	-.1716	-1.0674	182583.	4.9	200.1	41.00	6.823	200.1	1365.5	.000
18800.0	920.9	672.9	-.1665	-1.0488	182086.	4.9	199.6	40.88	6.822	199.6	1361.7	.000
18700.0	920.8	672.8	-.1619	-1.0308	181587.	4.9	199.1	40.76	6.821	199.1	1357.9	.000
18600.0	920.8	672.8	-.1571	-1.0129	181087.	4.9	198.6	40.64	6.821	198.6	1354.0	.000
18500.0	920.7	672.7	-.1527	-.9959	180585.	4.9	198.0	40.52	6.820	198.0	1350.1	.000
18400.0	920.7	672.6	-.1485	-.9795	180082.	4.9	197.4	40.40	6.819	197.4	1346.2	.000
18300.0	920.6	672.6	-.1444	-.9636	179578.	4.9	196.9	40.27	6.819	196.9	1342.4	.000
18200.0	920.5	672.5	-.1405	-.9482	179072.	4.9	196.3	40.15	6.818	196.3	1338.5	.000
18100.0	920.5	672.5	-.1368	-.9334	178565.	4.9	195.8	40.03	6.818	195.8	1334.6	.000
18000.0	920.4	672.4	-.1332	-.9190	178056.	4.9	195.2	39.90	6.817	195.2	1330.7	.000
17900.0	920.4	672.3	-.1299	-.9050	177546.	4.9	194.6	39.78	6.816	194.6	1326.8	.000
17800.0	920.3	672.3	-.1268	-.8915	177034.	4.9	194.1	39.66	6.816	194.1	1322.8	.000
17700.0	920.3	672.2	-.1238	-.8783	176521.	4.9	193.5	39.53	6.815	193.5	1318.9	.000
17600.0	920.2	672.1	-.1208	-.8656	176006.	4.9	193.0	39.41	6.814	193.0	1314.9	.000
17500.0	920.2	672.1	-.1170	-.8532	175490.	4.9	192.4	39.28	6.814	192.4	1311.0	.000
17400.0	920.1	672.0	-.1143	-.8411	174972.	4.9	191.8	39.16	6.813	191.8	1307.0	.000
17300.0	920.0	672.0	-.1115	-.8294	174453.	4.9	191.3	39.03	6.812	191.3	1303.0	.000
17200.0	920.0	671.9	-.1089	-.8180	173932.	4.9	190.7	38.91	6.811	190.7	1299.0	.000
17100.0	919.9	671.8	-.1059	-.8069	173410.	4.9	190.1	38.78	6.811	190.1	1295.0	.000
17000.0	919.9	671.8	-.1034	-.7960	172886.	4.9	189.6	38.65	6.811	189.6	1291.0	.000
16900.0	919.8	671.7	-.1009	-.7855	172360.	4.9	189.0	38.53	6.810	189.0	1286.9	.000
16800.0	919.8	671.6	-.0985	-.7752	171833.	4.9	188.4	38.40	6.809	188.4	1282.9	.000
16700.0	919.7	671.6	-.0962	-.7652	171304.	4.9	187.8	38.27	6.809	187.8	1278.8	.000
16600.0	919.6	671.5	-.0940	-.7554	170773.	4.9	187.2	38.15	6.808	187.2	1274.8	.000
16500.0	919.6	671.5	-.0919	-.7461	170241.	4.9	186.7	38.02	6.808	186.7	1270.7	.000
16400.0	919.5	671.4	-.0898	-.7367	169707.	4.9	186.1	37.89	6.807	186.1	1266.6	.000
16300.0	919.5	671.3	-.0878	-.7276	169171.	4.9	185.5	37.76	6.806	185.5	1262.5	.000
16200.0	919.4	671.3	-.0858	-.7186	168634.	4.9	184.9	37.63	6.806	184.9	1258.4	.000
16100.0	919.4	671.2	-.0838	-.7098	168095.	4.9	184.3	37.50	6.805	184.3	1254.3	.000
16000.0	919.3	671.2	-.0819	-.7011	167554.	4.9	183.7	37.37	6.804	183.7	1250.2	.000
15900.0	919.3	671.1	-.0801	-.6929	167011.	4.9	183.1	37.24	6.804	183.1	1246.0	.000
15800.0	919.2	671.0	-.0783	-.6844	166467.	4.9	182.5	37.11	6.803	182.5	1241.9	.000
15700.0	919.1	671.0	-.0766	-.6762	165921.	4.9	181.9	36.98	6.802	181.9	1237.7	.000
15600.0	919.1	670.9	-.0749	-.6682	165373.	4.9	181.3	36.85	6.802	181.3	1233.5	.000
15500.0	919.0	670.8	-.0733	-.6604	164823.	4.9	180.7	36.72	6.801	180.7	1229.3	.000
15400.0	918.9	670.8	-.0716	-.6527	164271.	4.9	180.1	36.59	6.801	180.1	1225.1	.000
15300.0	918.9	670.7	-.0701	-.6451	163718.	4.9	179.5	36.46	6.800	179.5	1220.8	.000
15200.0	918.9	670.7	-.0685	-.6376	163162.	4.9	178.9	36.33	6.799	178.9	1216.6	.000
15100.0	918.8	670.6	-.0670	-.6303	162605.	4.9	178.3	36.19	6.799	178.3	1212.4	.000
15000.0	918.7	670.5	-.0656	-.6231	162045.	4.9	177.7	36.06	6.798	177.7	1208.1	.000
14900.0	918.6	670.5	-.0642	-.6160	161484.	4.9	177.1	35.93	6.797	177.1	1203.8	.000
14800.0	918.6	670.4	-.0628	-.6090	160921.	4.9	176.5	35.79	6.797	176.5	1199.5	.000
14700.0	918.5	670.4	-.0614	-.6022	160356.	4.9	175.9	35.66	6.796	175.9	1195.2	.000
14600.0	918.5	670.3	-.0601	-.5954	159788.	4.9	175.2	35.52	6.795	175.2	1190.9	.000
14500.0	918.5	670.2	-.0588	-.5887	159219.	4.9	174.6	35.39	6.795	174.6	1186.5	.000
14400.0	918.4	670.2	-.0575	-.5822	158648.	4.9	174.0	35.25	6.794	174.0	1182.2	.000
14300.0	918.3	670.1	-.0563	-.5759	158074.	4.9	173.4	35.12	6.794	173.4	1177.8	.000
14200.0	918.3	670.0	-.0551	-.5693	157499.	4.9	172.7	34.98	6.793	172.7	1173.4	.000
14100.0	918.2	670.0	-.0539	-.5631	156921.	4.9	172.1	34.84	6.792	172.1	1169.0	.000
14000.0	918.2	669.9	-.0528	-.5569	156341.	4.9	171.5	34.71	6.792	171.5	1164.6	.000
13900.0	918.1	669.9	-.0516	-.5508	155758.	4.9	170.9	34.57	6.791	170.9	1160.2	.000
13800.0	918.0	669.8	-.0505	-.5447	155175.	4.9	170.2	34.43	6.790	170.2	1155.7	.000
13700.0	918.0	669.7	-.0494	-.5388	154589.	4.9	169.6	34.29	6.790	169.6	1151.3	.000
13600.0	918.0	669.7	-.0484	-.5329	154000.	4.9	168.9	34.16	6.789	168.9	1146.8	.000
13500.0	917.9	669.6	-.0474	-.5271	153409.	4.9	168.3	34.02	6.788	168.3	1142.3	.000
13400.0	917.8	669.6	-.0463	-.5214	152816.	4.9	167.6	33.88	6.787	167.6	1137.8	.000
13300.0	917.8	669.5	-.0454	-.5157	152220.	4.9	167.0	33.74	6.787	167.0	1133.3	.000
13200.0	917.7	669.4	-.0444	-.5101	151622.	5.0	166.3	33.60	6.786	166.3	1128.7	.000
13100.0	917.7	669.4	-.0434	-.5047	151022.	5.0	165.7	33.45	6.786	165.7	1124.1	.000
13000.0	917.6	669.3	-.0425	-.4992	150419.	5.0	165.0	33.31	6.785	165.0	1119.6	.000
12900.0	917.5	669.2	-.0416	-.4939	149814.	5.0	164.3	33.17	6.784	164.3	1115.0	.000
12800.0	917.5	669.2	-.0407	-.4885	149206.	5.0	163.7	33.03	6.784	163.7	1110.4	.000
12700.0	917.4	669.1	-.0398	-.4832	148596.	5.0	163.0	32.89	6.783	163.0	1105.7	.000
12600.0	917.4	669.1	-.0390	-.4780	147984.	5.0	162.3	32.74	6.783	162.3	1101.1	.000
12500.0	917.3	669.0	-.0381	-.4729	147368.	5.0	161.7	32.60	6.782	161.7	1096.4	.000
12400.0	917.3	668.9	-.0373	-.4678	146750.	5.0	161.0	32.45	6.781	161.0	1091.7	.000
12300.0	917.2	668.9	-.0365	-.4628	146130.	5.0	160.3	32.31	6.781	160.3	1087.0	.000
12200.0	917.2	668.8	-.0357	-.4578	145507.	5.0	159.6	32.16	6.780	159.6	1082.3	.000
12100.0	917.1	668.8	-.0350	-.4529	144881.	5.0	158.9	32.02	6.780	158.9	1077.5	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 430 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	HAVG	SLIP	VL M/S	VV M/S	XF
12000.0	917.0	868.7	-.0342	-.4480	144232.	5.0	138.3	31.87	0.779	158.3	1072.8	.000
11900.0	917.0	868.6	-.0338	-.4433	143824.	5.0	137.9	31.77	0.778	157.9	1068.2	.000
11800.0	916.9	868.6	-.0327	-.4384	143417.	5.0	137.6	31.68	0.778	157.6	1063.6	.000
11700.0	916.9	868.5	-.0320	-.4336	143010.	5.0	137.2	31.58	0.777	157.2	1058.9	.000
11600.0	916.8	868.5	-.0313	-.4290	142603.	5.0	136.9	31.48	0.777	156.9	1054.3	.000
11500.0	916.7	868.4	-.0306	-.4243	142196.	5.0	136.5	31.38	0.776	156.5	1049.7	.000
11400.0	916.7	868.3	-.0300	-.4197	141789.	5.0	136.2	31.28	0.776	156.2	1045.1	.000
11300.0	916.6	868.3	-.0293	-.4151	141382.	5.0	135.8	31.18	0.775	155.8	1040.5	.000
11200.0	916.6	868.2	-.0286	-.4106	140975.	5.0	135.5	31.08	0.774	155.5	1035.9	.000
11100.0	916.5	868.1	-.0280	-.4062	140568.	5.0	135.1	30.98	0.774	155.1	1031.3	.000
11000.0	916.5	868.1	-.0274	-.4017	140161.	5.0	134.8	30.88	0.773	154.8	1026.7	.000
10900.0	916.4	868.0	-.0268	-.3973	139754.	5.0	134.4	30.78	0.773	154.4	1022.1	.000
10800.0	916.3	868.0	-.0262	-.3930	139347.	5.0	134.1	30.68	0.772	154.1	1017.5	.000
10700.0	916.2	867.9	-.0256	-.3886	138940.	5.0	133.7	30.58	0.771	153.7	1012.9	.000
10600.0	916.2	867.8	-.0250	-.3843	138533.	5.0	133.4	30.48	0.771	153.4	1008.3	.000
10500.0	916.1	867.8	-.0244	-.3801	138126.	5.0	133.0	30.38	0.770	153.0	1003.7	.000
10400.0	916.0	867.7	-.0239	-.3759	137719.	5.0	132.7	30.28	0.770	152.7	999.1	.000
10300.0	916.0	867.7	-.0233	-.3717	137312.	5.0	132.3	30.18	0.769	152.3	994.5	.000
10200.0	915.9	867.6	-.0228	-.3675	136905.	5.0	132.0	30.08	0.768	152.0	989.9	.000
10100.0	915.9	867.5	-.0223	-.3634	136498.	5.0	131.6	29.98	0.768	151.6	985.3	.000
10000.0	915.8	867.5	-.0217	-.3593	136091.	5.0	131.3	29.88	0.767	151.3	980.7	.000
9900.0	915.8	867.4	-.0212	-.3552	135684.	5.0	130.9	29.78	0.767	150.9	976.1	.000
9800.0	915.7	867.4	-.0207	-.3511	135277.	5.0	130.6	29.68	0.766	150.6	971.5	.000
9700.0	915.7	867.3	-.0202	-.3472	134870.	5.0	130.2	29.58	0.765	150.2	966.9	.000
9600.0	915.7	867.2	-.0198	-.3432	134463.	5.0	129.9	29.48	0.765	149.9	962.3	.000
9500.0	915.6	867.2	-.0193	-.3393	134056.	5.0	129.5	29.38	0.764	149.5	957.7	.000
9400.0	915.5	867.1	-.0188	-.3353	133649.	5.0	129.2	29.28	0.763	149.2	953.1	.000
9300.0	915.5	867.1	-.0184	-.3315	133242.	5.0	128.8	29.18	0.763	148.8	948.5	.000
9200.0	915.4	867.0	-.0179	-.3276	132835.	5.0	128.5	29.08	0.762	148.5	943.9	.000
9100.0	915.4	866.9	-.0175	-.3237	132428.	5.0	128.1	28.98	0.761	148.1	939.3	.000
9000.0	915.3	866.9	-.0171	-.3199	132021.	5.0	127.8	28.88	0.761	147.8	934.7	.000
8900.0	915.2	866.8	-.0166	-.3160	131614.	5.0	127.4	28.78	0.760	147.4	930.1	.000
8800.0	915.2	866.7	-.0162	-.3123	131207.	5.0	127.1	28.68	0.759	147.1	925.5	.000
8700.0	915.1	866.7	-.0158	-.3085	130800.	5.0	126.7	28.58	0.758	146.7	920.9	.000
8600.0	915.1	866.6	-.0154	-.3048	130393.	5.0	126.4	28.48	0.758	146.4	916.3	.000
8500.0	915.0	866.6	-.0150	-.3011	129985.	5.0	126.0	28.38	0.757	146.0	911.7	.000
8400.0	914.9	866.5	-.0146	-.2974	129578.	5.0	125.7	28.28	0.756	145.7	907.1	.000
8300.0	914.9	866.4	-.0142	-.2938	129171.	5.0	125.3	28.18	0.755	145.3	902.5	.000
8200.0	914.8	866.4	-.0139	-.2901	128764.	5.0	125.0	28.08	0.755	145.0	897.9	.000
8100.0	914.8	866.3	-.0135	-.2865	128357.	5.0	124.6	27.98	0.754	144.6	893.3	.000
8000.0	914.7	866.3	-.0131	-.2828	127950.	5.0	124.3	27.88	0.753	144.3	888.7	.000
7900.0	914.7	866.2	-.0128	-.2792	127543.	5.0	123.9	27.78	0.753	143.9	884.1	.000
7800.0	914.6	866.1	-.0124	-.2757	127136.	5.0	123.6	27.68	0.752	143.6	879.5	.000
7700.0	914.5	866.1	-.0121	-.2722	126729.	5.0	123.2	27.58	0.751	143.2	874.9	.000
7600.0	914.5	866.0	-.0118	-.2688	126322.	5.0	122.9	27.48	0.751	142.9	870.3	.000
7500.0	914.4	866.0	-.0114	-.2650	125915.	5.0	122.5	27.38	0.750	142.5	865.7	.000
7400.0	914.4	865.9	-.0111	-.2615	125508.	5.0	122.2	27.28	0.749	142.2	861.1	.000
7300.0	914.3	865.8	-.0108	-.2580	125101.	5.0	121.8	27.18	0.749	141.8	856.5	.000
7200.0	914.3	865.8	-.0105	-.2545	124694.	5.0	121.5	27.08	0.748	141.5	851.9	.000
7100.0	914.2	865.7	-.0102	-.2510	124287.	5.0	121.1	26.98	0.747	141.1	847.3	.000
7000.0	914.1	865.7	-.0099	-.2475	123880.	5.0	120.8	26.88	0.747	140.8	842.7	.000
6900.0	914.1	865.6	-.0096	-.2440	123473.	5.0	120.4	26.78	0.746	140.4	838.1	.000
6800.0	914.0	865.5	-.0093	-.2405	123066.	5.0	120.1	26.68	0.745	140.1	833.5	.000
6700.0	913.9	865.5	-.0090	-.2372	122659.	5.0	119.7	26.58	0.745	139.7	828.9	.000
6600.0	913.9	865.4	-.0088	-.2339	122252.	5.0	119.4	26.48	0.744	139.4	824.3	.000
6500.0	913.8	865.4	-.0085	-.2303	121845.	5.0	119.0	26.38	0.743	139.0	819.7	.000
6400.0	913.8	865.3	-.0082	-.2269	121438.	5.0	118.7	26.28	0.743	138.7	815.1	.000
6300.0	913.7	865.2	-.0080	-.2235	121031.	5.0	118.3	26.18	0.742	138.3	810.5	.000
6200.0	913.7	865.2	-.0077	-.2201	120624.	5.0	118.0	26.08	0.742	138.0	805.9	.000
6100.0	913.6	865.1	-.0074	-.2167	120217.	5.0	117.6	25.98	0.741	137.6	801.3	.000
6000.0	913.5	865.1	-.0072	-.2133	119810.	5.0	117.3	25.88	0.741	137.3	796.7	.000
5900.0	913.5	865.0	-.0069	-.2100	119403.	5.0	116.9	25.78	0.740	136.9	792.1	.000
5800.0	913.4	864.9	-.0067	-.2067	118996.	5.0	116.6	25.68	0.739	136.6	787.5	.000
5700.0	913.4	864.9	-.0063	-.2035	118589.	5.0	116.2	25.58	0.739	136.2	782.9	.000
5600.0	913.3	864.8	-.0063	-.1999	118182.	5.0	115.9	25.48	0.738	135.9	778.3	.000
5500.0	913.2	864.8	-.0060	-.1965	117775.	5.0	115.5	25.38	0.737	135.5	773.7	.000
5400.0	913.2	864.7	-.0058	-.1932	117368.	5.0	115.2	25.28	0.737	135.2	769.1	.000
5300.0	913.1	864.6	-.0056	-.1898	116961.	5.0	114.8	25.18	0.736	134.8	764.5	.000
5200.0	913.1	864.6	-.0054	-.1865	116554.	5.0	114.5	25.08	0.735	134.5	759.9	.000
5100.0	913.0	864.5	-.0052	-.1831	116147.	5.0	114.1	24.98	0.735	134.1	755.3	.000
5000.0	913.0	864.4	-.0050	-.1798	115740.	5.0	113.8	24.88	0.734	133.8	750.7	.000
4900.0	912.9	864.4	-.0048	-.1764	115333.	5.0	113.4	24.78	0.733	133.4	746.1	.000
4800.0	912.8	864.3	-.0046	-.1730	114926.	5.0	113.1	24.68	0.732	133.1	741.5	.000
4700.0	912.8	864.3	-.0044	-.1697	114519.	5.0	112.7	24.58	0.732	132.7	736.9	.000
4600.0	912.7	864.2	-.0042	-.1663	114112.	5.0	112.4	24.48	0.731	132.4	732.3	.000
4500.0	912.7	864.1	-.0041	-.1630	113705.	5.0	112.0	24.38	0.730	132.0	727.7	.000
4400.0	912.6	864.1	-.0039	-.1596	113298.	5.0	111.7	24.28	0.730	131.7	723.1	.000
4300.0	912.5	864.0	-.0037	-.1562	112891.	5.0	111.3	24.18	0.729	131.3	718.5	.000
4200.0	912.5	864.0	-.0035	-.1528	112484.	5.0	111.0	24.08	0.728	131.0	713.9	.000
4100.0	912.4	863.9	-.0034	-.1494	112077.	5.0	110.6	23.98	0.728	130.6	709.3	.000
4000.0	912.4	863.8	-.0032	-.1460	111670.	5.0	110.3	23.88	0.727	130.3	704.7	.000
3900.0	912.3	863.8	-.0031	-.1425	111263.	5.0	109.9	23.78	0.726	129.9	700.1	.000
3800.0	912.2	863.7	-.0029	-.1392	110856.	5.0	109.6	23.68	0.726	129.6	695.5	.000
3700.0	912.2	863.7	-.0028	-.1357	110449.	5.0	109.2	23.58	0.725	129.2	690.9	.000
3600.0	912.1	863.6	-.0026	-.1322	110042.	5.0	108.9	23.48	0.724	128.9	686.3	.000
3500.0	912.1	863.5	-.0025	-.1288	109635.	5.0	108.5	23.38	0.724	128.5	681.7	.000
3400.0	912.0	863.5	-.0023	-.1253	109228.	5.0	108.2	23.28	0.723	128.2	677.1	.000
3300.0	911.9	863.4	-.0022	-.1217	108821.	5.0	107.8	23.18	0.722	127.8	672.5	.000
3200.0	911.9	863.4	-.0021	-.1182	108414.	5.0	107.5	23.08	0.722	127.5	667.9	.000
3100.0	911.8	863.3	-.0020	-.1146	108007.	5.0	107.1	22.98	0.721	127.1	663.3	.000
3000.0	911.8	863.3	-.0018	-.1110	107600.	5.0	106.8	22.88	0.720	126.8	658.7	.000
2900.0	911.7	863.2	-.0017	-.1074	107193.	5.0	106.4	22.78	0.720	126.4	654.1	.000
2800.0	911.6	863.1	-.0016	-.1038	106786.	5.0	106.1	22.68	0.719	126.1	649.5	.000
2700.0	911.6	863.1	-.0015	-.1001	106379.	5.0	105.7	22.58	0.718	125.7	644.9	.000
2600.0	911.5	863.0	-.0014	-.0965	105972.	5.0	105.4	22.48	0.718	125.4	640.3	.000
2500.0	911.5	862.9	-.0013	-.0928	105565.	5.0	105.0	22.38	0.717	125.0	635.7	.000
2400.0	911.4	862.9	-.0012	-.0888	105158.	5.0	104.7	22.28	0.717	124.7	631.1	.000
2300.0	911.3	862.8	-.0011	-.0849	104751.	5.0	104.3	22.18	0.716	124.3	626.5	.000
2200.0	911.3	862.8	-.0010	-.0810	104344.	5.0	104.0	22.08	0.715	124.0	621.9	.000
2100.0	911.2	862.7	-.0009	-.0770	103937.	5.0	103.6	21.98	0.715	123.6	617.3	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 430 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AMF M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
2000.0	911.2	662.6	-.0008	-.0729	51060.	5.1	56.1	11.01	6.714	56.1	376.5	.000
1900.0	911.1	662.6	-.0007	-.0688	49543.	5.1	54.1	10.61	6.713	54.1	363.1	.000
1800.0	911.0	662.5	-.0006	-.0646	47956.	5.1	52.0	10.21	6.713	52.0	349.2	.000
1700.0	911.0	662.5	-.0006	-.0603	45390.	5.1	49.9	9.78	6.719	49.9	334.6	.000
1600.0	910.9	662.4	-.0005	-.0559	43335.	5.1	47.8	9.33	6.711	47.8	319.5	.000
1500.0	910.9	662.3	-.0004	-.0515	41178.	5.1	45.7	8.87	6.711	45.7	303.5	.000
1400.0	910.8	662.3	-.0004	-.0469	39001.	5.1	42.7	8.39	6.710	42.7	286.7	.000
1300.0	910.7	662.2	-.0003	-.0421	36683.	5.1	40.1	7.85	6.709	40.1	268.9	.000
1200.0	910.7	662.2	-.0002	-.0371	33892.	5.1	37.3	7.29	6.709	37.3	249.8	.000
1100.0	910.6	662.1	-.0002	-.0320	31086.	5.1	34.1	6.69	6.709	34.1	229.1	.000
1000.0	910.6	662.1	-.0002	-.0267	28000.	5.1	30.8	6.02	6.707	30.8	206.3	.000
900.0	910.5	662.0	-.0001	-.0211	24428.	5.1	26.9	5.27	6.707	26.9	180.7	.000
800.0	910.4	661.9	-.0001	-.0149	20496.	5.1	22.5	4.40	6.706	22.4	150.8	.000
700.0	910.4	661.9	-.0000	-.0089	15392.	5.1	16.9	3.31	6.705	16.9	113.4	.000
600.0	910.3	661.8	-.0000	-.0021	11596.	5.1	24.9	1.09	7.755	24.5	194.1	.018

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 440 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XE
22120.0	913.4	717.7	********	********	196174.	6.0	217.2	36.05	0.101	217.2	1368.9	.000
22100.0	913.4	717.7	-4.0975	-12.3959	196082.	6.0	217.1	36.03	0.101	217.1	1368.2	.000
22000.0	913.3	717.6	-1.4922	-5.0307	195624.	6.0	216.6	35.94	0.101	216.6	1364.9	.000
21900.0	913.3	717.6	-1.0509	-3.8051	195167.	6.0	216.1	35.84	0.100	216.1	1361.6	.000
21800.0	913.2	717.5	-.8509	-3.1969	194709.	6.0	215.6	35.75	0.099	215.6	1358.3	.000
21700.0	913.2	717.4	-.7251	-2.8214	194244.	6.0	215.1	35.66	0.099	215.1	1354.9	.000
21600.0	913.1	717.4	-.6391	-2.5590	193781.	6.0	214.6	35.56	0.098	214.6	1351.6	.000
21500.0	913.1	717.3	-.5732	-2.3614	193318.	6.0	214.1	35.47	0.098	214.1	1348.3	.000
21400.0	913.0	717.3	-.5224	-2.2002	192853.	6.0	213.6	35.38	0.097	213.6	1344.9	.000
21300.0	912.9	717.2	-.4811	-2.0673	192387.	6.0	213.1	35.28	0.096	213.1	1341.6	.000
21200.0	912.9	717.1	-.4466	-1.9608	191920.	6.0	212.6	35.19	0.096	212.6	1338.2	.000
21100.0	912.8	717.1	-.4173	-1.8775	191452.	6.0	212.0	35.09	0.095	212.0	1334.8	.000
21000.0	912.8	717.0	-.3919	-1.7971	190983.	6.0	211.5	35.00	0.095	211.5	1331.4	.000
20900.0	912.7	717.0	-.3697	-1.7259	190513.	6.0	211.0	34.91	0.094	211.0	1328.1	.000
20800.0	912.7	716.9	-.3499	-1.6623	190041.	6.0	210.5	34.81	0.094	210.5	1324.7	.000
20700.0	912.6	716.8	-.3323	-1.6050	189568.	6.0	210.0	34.73	0.093	210.0	1321.3	.000
20600.0	912.5	716.8	-.3163	-1.5528	189094.	6.0	209.4	34.62	0.092	209.4	1317.8	.000
20500.0	912.5	716.7	-.3018	-1.5050	188619.	6.1	208.9	34.53	0.092	208.9	1314.4	.000
20400.0	912.4	716.7	-.2886	-1.4610	188143.	6.1	208.4	34.43	0.091	208.4	1311.0	.000
20300.0	912.4	716.6	-.2764	-1.4202	187665.	6.1	207.9	34.33	0.091	207.9	1307.6	.000
20200.0	912.3	716.6	-.2652	-1.3822	187186.	6.1	207.3	34.24	0.090	207.3	1304.1	.000
20100.0	912.2	716.5	-.2547	-1.3467	186706.	6.1	206.8	34.14	0.089	206.8	1300.7	.000
20000.0	912.2	716.4	-.2450	-1.3135	186225.	6.1	206.3	34.05	0.089	206.3	1297.2	.000
19900.0	912.1	716.4	-.2359	-1.2824	185742.	6.1	205.7	33.95	0.088	205.7	1293.7	.000
19800.0	912.1	716.3	-.2274	-1.2533	185258.	6.1	205.2	33.85	0.088	205.2	1290.3	.000
19700.0	912.0	716.2	-.2195	-1.2260	184773.	6.1	204.7	33.76	0.087	204.7	1286.8	.000
19600.0	911.9	716.2	-.2119	-1.1979	184287.	6.1	204.1	33.66	0.086	204.1	1283.3	.000
19500.0	911.9	716.1	-.2048	-1.1726	183799.	6.1	203.6	33.56	0.086	203.6	1279.8	.000
19400.0	911.8	716.1	-.1981	-1.1485	183310.	6.1	203.0	33.47	0.085	203.1	1276.3	.000
19300.0	911.8	716.0	-.1918	-1.1255	182819.	6.1	202.5	33.37	0.084	202.5	1272.7	.000
19200.0	911.7	715.9	-.1857	-1.1035	182328.	6.1	202.0	33.27	0.084	202.0	1269.2	.000
19100.0	911.7	715.9	-.1800	-1.0824	181835.	6.1	201.4	33.17	0.083	201.4	1265.7	.000
19000.0	911.6	715.8	-.1745	-1.0621	181340.	6.1	200.9	33.08	0.083	200.9	1262.1	.000
18900.0	911.5	715.8	-.1693	-1.0429	180845.	6.1	200.3	32.98	0.082	200.3	1258.6	.000
18800.0	911.5	715.7	-.1643	-1.0240	180347.	6.1	199.8	32.88	0.081	199.8	1255.0	.000
18700.0	911.4	715.7	-.1596	-1.0060	179849.	6.1	199.2	32.78	0.081	199.2	1251.4	.000
18600.0	911.4	715.6	-.1549	-.9886	179349.	6.1	198.7	32.68	0.080	198.7	1247.9	.000
18500.0	911.3	715.5	-.1506	-.9718	178848.	6.1	198.1	32.58	0.080	198.1	1244.3	.000
18400.0	911.3	715.5	-.1464	-.9557	178345.	6.1	197.6	32.48	0.079	197.6	1240.7	.000
18300.0	911.2	715.4	-.1423	-.9400	177841.	6.1	197.0	32.38	0.078	197.0	1237.1	.000
18200.0	911.2	715.4	-.1384	-.9249	177335.	6.1	196.5	32.28	0.078	196.5	1233.4	.000
18100.0	911.1	715.3	-.1348	-.9102	176828.	6.1	195.9	32.18	0.077	195.9	1229.8	.000
18000.0	911.0	715.3	-.1312	-.8960	176319.	6.1	195.4	32.08	0.077	195.4	1226.2	.000
17900.0	911.0	715.2	-.1279	-.8823	175808.	6.1	194.8	31.98	0.076	194.8	1222.5	.000
17800.0	910.9	715.1	-.1244	-.8689	175296.	6.1	194.2	31.88	0.076	194.2	1218.9	.000
17700.0	910.8	715.1	-.1212	-.8560	174784.	6.1	193.7	31.78	0.075	193.7	1215.2	.000
17600.0	910.8	715.0	-.1181	-.8434	174270.	6.1	193.1	31.68	0.074	193.1	1211.5	.000
17500.0	910.7	715.0	-.1151	-.8312	173754.	6.1	192.5	31.58	0.074	192.5	1207.9	.000
17400.0	910.7	714.9	-.1123	-.8193	173236.	6.1	192.0	31.48	0.073	192.0	1204.1	.000
17300.0	910.6	714.8	-.1094	-.8077	172717.	6.1	191.4	31.37	0.072	191.4	1200.4	.000
17200.0	910.6	714.8	-.1068	-.7965	172196.	6.1	190.8	31.27	0.072	190.8	1196.7	.000
17100.0	910.5	714.7	-.1042	-.7855	171673.	6.1	190.2	31.17	0.071	190.2	1193.0	.000
17000.0	910.4	714.7	-.1017	-.7749	171149.	6.1	189.6	31.07	0.071	189.6	1189.2	.000
16900.0	910.4	714.6	-.0992	-.7645	170624.	6.1	189.1	30.96	0.070	189.1	1185.5	.000
16800.0	910.3	714.6	-.0969	-.7543	170096.	6.1	188.5	30.86	0.069	188.5	1181.7	.000
16700.0	910.3	714.5	-.0946	-.7444	169567.	6.1	187.9	30.76	0.069	187.9	1178.0	.000
16600.0	910.2	714.4	-.0924	-.7348	169037.	6.1	187.3	30.65	0.068	187.3	1174.2	.000
16500.0	910.1	714.4	-.0903	-.7257	168504.	6.1	186.7	30.55	0.068	186.7	1170.4	.000
16400.0	910.1	714.3	-.0882	-.7164	167970.	6.1	186.1	30.44	0.067	186.1	1166.6	.000
16300.0	910.0	714.3	-.0862	-.7074	167435.	6.1	185.5	30.34	0.066	185.5	1162.7	.000
16200.0	910.0	714.2	-.0843	-.6985	166897.	6.1	185.0	30.24	0.066	185.0	1158.8	.000
16100.0	909.9	714.1	-.0823	-.6898	166358.	6.1	184.4	30.13	0.065	184.4	1155.1	.000
16000.0	909.8	714.1	-.0805	-.6813	165817.	6.1	183.8	30.03	0.065	183.8	1151.2	.000
15900.0	909.7	714.0	-.0786	-.6730	165274.	6.1	183.2	29.92	0.064	183.2	1147.4	.000
15800.0	909.7	714.0	-.0769	-.6648	164730.	6.1	182.6	29.82	0.063	182.6	1143.5	.000
15700.0	909.6	713.9	-.0752	-.6568	164183.	6.1	182.0	29.71	0.063	182.0	1139.6	.000
15600.0	909.6	713.8	-.0735	-.6489	163635.	6.1	181.4	29.60	0.062	181.4	1135.7	.000
15500.0	909.5	713.8	-.0719	-.6411	163085.	6.1	180.7	29.50	0.062	180.7	1131.8	.000
15400.0	909.4	713.7	-.0703	-.6335	162533.	6.1	180.1	29.39	0.061	180.1	1127.9	.000
15300.0	909.4	713.7	-.0687	-.6259	161979.	6.1	179.5	29.28	0.060	179.5	1123.9	.000
15200.0	909.4	713.6	-.0672	-.6184	161423.	6.1	178.9	29.17	0.060	178.9	1120.0	.000
15100.0	909.3	713.6	-.0657	-.6111	160865.	6.1	178.3	29.07	0.059	178.3	1116.0	.000
15000.0	909.3	713.5	-.0643	-.6044	160306.	6.1	177.7	28.96	0.059	177.7	1112.0	.000
14900.0	909.2	713.4	-.0629	-.5974	159744.	6.1	177.1	28.85	0.058	177.1	1108.0	.000
14800.0	909.1	713.4	-.0615	-.5905	159180.	6.1	176.4	28.74	0.057	176.4	1104.0	.000
14700.0	909.1	713.3	-.0602	-.5837	158614.	6.1	175.8	28.63	0.057	175.8	1100.0	.000
14600.0	909.0	713.3	-.0589	-.5771	158047.	6.1	175.2	28.52	0.056	175.2	1096.0	.000
14500.0	909.0	713.2	-.0576	-.5705	157477.	6.1	174.6	28.41	0.056	174.6	1091.9	.000
14400.0	908.9	713.1	-.0563	-.5640	156905.	6.1	173.9	28.30	0.055	173.9	1087.8	.000
14300.0	908.8	713.1	-.0551	-.5576	156331.	6.1	173.3	28.19	0.054	173.3	1083.7	.000
14200.0	908.8	713.0	-.0539	-.5514	155755.	6.1	172.7	28.08	0.054	172.7	1079.6	.000
14100.0	908.7	713.0	-.0527	-.5452	155177.	6.1	172.0	27.97	0.053	172.0	1075.6	.000
14000.0	908.7	712.9	-.0516	-.5390	154597.	6.2	171.4	27.86	0.053	171.4	1071.5	.000
13900.0	908.6	712.9	-.0505	-.5330	154014.	6.2	170.7	27.75	0.052	170.7	1067.4	.000
13800.0	908.6	712.8	-.0494	-.5271	153429.	6.2	170.1	27.64	0.051	170.1	1063.3	.000
13700.0	908.5	712.7	-.0483	-.5212	152843.	6.2	169.4	27.52	0.051	169.4	1059.1	.000
13600.0	908.4	712.7	-.0473	-.5154	152252.	6.2	168.8	27.41	0.050	168.8	1054.9	.000
13500.0	908.4	712.6	-.0463	-.5097	151661.	6.2	168.1	27.30	0.050	168.1	1050.7	.000
13400.0	908.3	712.6	-.0453	-.5041	151067.	6.2	167.5	27.19	0.049	167.5	1046.5	.000
13300.0	908.2	712.5	-.0443	-.4985	150470.	6.2	166.8	27.07	0.048	166.8	1042.2	.000
13200.0	908.2	712.4	-.0433	-.4930	149871.	6.2	166.2	26.96	0.048	166.2	1038.0	.000
13100.0	908.1	712.4	-.0424	-.4875	149270.	6.2	165.5	26.84	0.047	165.5	1033.8	.000
13000.0	908.1	712.3	-.0415	-.4822	148667.	6.2	164.8	26.73	0.047	164.8	1029.6	.000
12900.0	908.0	712.3	-.0406	-.4768	148060.	6.2	164.2	26.61	0.046	164.2	1025.3	.000
12800.0	907.9	712.2	-.0397	-.4716	147452.	6.2	163.5	26.49	0.045	163.5	1021.0	.000
12700.0	907.9	712.2	-.0389	-.4664	146841.	6.2	162.8	26.38	0.045	162.8	1016.7	.000
12600.0	907.8	712.1	-.0380	-.4613	146227.	6.2	162.1	26.26	0.044	162.1	1012.4	.000
12500.0	907.8	712.0	-.0372	-.4562	145610.	6.2	161.4	26.14	0.043	161.4	1008.0	.000
12400.0	907.7	712.0	-.0364	-.4512	144991.	6.2	160.8	26.03	0.043	160.8	1003.6	.000
12300.0	907.6	711.9	-.0356	-.4462	144370.	6.2	160.1	25.91	0.042	160.1	999.2	.000
12200.0	907.6	711.9	-.0348	-.4413	143745.	6.2	159.4	25.79	0.042	159.4	994.8	.000
12100.0	907.5	711.8	-.0340	-.4364	143118.	6.2	158.7	25.67	0.041	158.7	990.4	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 440 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AME M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
12000.0	907.5	711.8	-.0333	-.4316	142488.	6.2	158.0	25.55	6.240	158.0	985.9	.000
11900.0	907.4	711.7	-.0326	-.4269	141855.	6.2	157.3	25.43	6.240	157.3	981.5	.000
11800.0	907.3	711.6	-.0319	-.4221	141220.	6.2	156.6	25.31	6.239	156.6	977.0	.000
11700.0	907.3	711.6	-.0311	-.4175	140581.	6.2	155.9	25.19	6.239	155.9	972.5	.000
11600.0	907.2	711.5	-.0305	-.4128	139940.	6.2	155.2	25.07	6.238	155.2	968.0	.000
11500.0	907.2	711.5	-.0298	-.4083	139296.	6.2	154.5	24.95	6.237	154.5	963.4	.000
11400.0	907.1	711.4	-.0291	-.4037	138648.	6.2	153.7	24.83	6.237	153.7	958.8	.000
11300.0	907.0	711.3	-.0285	-.3992	137998.	6.2	153.0	24.70	6.236	153.0	954.2	.000
11200.0	907.0	711.3	-.0278	-.3948	137344.	6.2	152.3	24.58	6.235	152.3	949.7	.000
11100.0	906.9	711.2	-.0272	-.3903	136688.	6.2	151.6	24.46	6.235	151.6	945.1	.000
11000.0	906.9	711.2	-.0266	-.3860	136028.	6.2	150.8	24.33	6.234	150.8	940.4	.000
10900.0	906.8	711.1	-.0260	-.3816	135365.	6.2	150.1	24.21	6.234	150.1	935.8	.000
10800.0	906.7	711.0	-.0254	-.3773	134698.	6.2	149.4	24.08	6.233	149.4	931.1	.000
10700.0	906.7	711.0	-.0248	-.3730	134028.	6.2	148.6	23.96	6.232	148.6	926.4	.000
10600.0	906.6	710.9	-.0242	-.3688	133355.	6.2	147.9	23.83	6.232	147.9	921.6	.000
10500.0	906.6	710.9	-.0237	-.3646	132679.	6.2	147.1	23.71	6.231	147.1	916.9	.000
10400.0	906.5	710.8	-.0231	-.3604	132000.	6.2	146.4	23.58	6.231	146.4	912.1	.000
10300.0	906.4	710.8	-.0226	-.3563	131315.	6.2	145.6	23.45	6.230	145.6	907.3	.000
10200.0	906.4	710.7	-.0221	-.3522	130628.	6.2	144.9	23.32	6.229	144.9	902.5	.000
10100.0	906.3	710.7	-.0216	-.3481	129937.	6.2	144.1	23.19	6.229	144.1	897.6	.000
10000.0	906.3	710.6	-.0210	-.3441	129243.	6.2	143.3	23.06	6.228	143.3	892.8	.000
9900.0	906.2	710.5	-.0205	-.3401	128545.	6.2	142.6	22.93	6.228	142.6	887.9	.000
9800.0	906.1	710.5	-.0200	-.3362	127842.	6.2	141.8	22.80	6.227	141.8	882.9	.000
9700.0	906.1	710.4	-.0195	-.3322	127136.	6.2	141.0	22.67	6.226	141.0	878.0	.000
9600.0	906.0	710.4	-.0191	-.3282	126426.	6.2	140.2	22.54	6.226	140.2	873.0	.000
9500.0	905.9	710.3	-.0186	-.3243	125712.	6.2	139.4	22.41	6.225	139.4	868.0	.000
9400.0	905.9	710.2	-.0181	-.3204	124994.	6.2	138.6	22.27	6.224	138.6	862.9	.000
9300.0	905.8	710.2	-.0177	-.3166	124273.	6.2	137.8	22.14	6.224	137.8	857.9	.000
9200.0	905.8	710.1	-.0173	-.3128	123545.	6.2	137.0	22.00	6.223	137.0	852.8	.000
9100.0	905.7	710.1	-.0169	-.3090	122814.	6.2	136.2	21.87	6.223	136.2	847.7	.000
9000.0	905.6	710.0	-.0164	-.3052	122079.	6.2	135.4	21.73	6.222	135.4	842.6	.000
8900.0	905.6	710.0	-.0160	-.3014	121339.	6.2	134.6	21.59	6.221	134.6	837.4	.000
8800.0	905.5	709.9	-.0156	-.2977	120595.	6.2	133.8	21.46	6.221	133.8	832.2	.000
8700.0	905.5	709.9	-.0152	-.2940	119846.	6.2	132.9	21.32	6.220	132.9	826.9	.000
8600.0	905.4	709.8	-.0148	-.2903	119092.	6.2	132.1	21.18	6.219	132.1	821.7	.000
8500.0	905.3	709.7	-.0144	-.2866	118334.	6.2	131.3	21.04	6.219	131.3	816.4	.000
8400.0	905.3	709.7	-.0141	-.2830	117570.	6.2	130.4	20.90	6.218	130.4	811.0	.000
8300.0	905.2	709.6	-.0137	-.2794	116802.	6.2	129.6	20.76	6.218	129.6	805.6	.000
8200.0	905.2	709.6	-.0133	-.2758	116028.	6.2	128.7	20.61	6.217	128.7	800.2	.000
8100.0	905.1	709.5	-.0130	-.2722	115249.	6.2	127.9	20.47	6.216	127.9	794.8	.000
8000.0	905.0	709.4	-.0126	-.2686	114465.	6.2	127.0	20.32	6.216	127.0	789.3	.000
7900.0	905.0	709.4	-.0123	-.2650	113676.	6.3	126.2	20.18	6.215	126.2	783.8	.000
7800.0	904.9	709.3	-.0119	-.2615	112881.	6.3	125.3	20.03	6.214	125.3	778.3	.000
7700.0	904.8	709.3	-.0116	-.2580	112080.	6.3	124.4	19.89	6.214	124.4	772.7	.000
7600.0	904.8	709.2	-.0113	-.2545	111274.	6.3	123.5	19.74	6.213	123.5	767.1	.000
7500.0	904.7	709.2	-.0110	-.2510	110461.	6.3	122.6	19.59	6.213	122.6	761.4	.000
7400.0	904.7	709.1	-.0105	-.2475	109643.	6.3	121.7	19.44	6.212	121.7	755.7	.000
7300.0	904.6	709.0	-.0103	-.2440	108818.	6.3	120.8	19.29	6.211	120.8	749.9	.000
7200.0	904.5	709.0	-.0100	-.2406	107987.	6.3	119.9	19.14	6.211	119.8	744.1	.000
7100.0	904.5	708.9	-.0097	-.2371	107150.	6.3	118.9	18.98	6.210	118.9	738.3	.000
7000.0	904.4	708.9	-.0094	-.2337	106306.	6.3	118.0	18.83	6.210	118.0	732.4	.000
6900.0	904.4	708.8	-.0092	-.2303	105455.	6.3	117.0	18.67	6.209	117.0	726.4	.000
6800.0	904.3	708.8	-.0089	-.2269	104597.	6.3	116.1	18.52	6.208	116.1	720.5	.000
6700.0	904.2	708.7	-.0086	-.2235	103732.	6.3	115.1	18.36	6.208	115.1	714.5	.000
6600.0	904.2	708.6	-.0083	-.2201	102860.	6.3	114.1	18.20	6.207	114.1	708.4	.000
6500.0	904.1	708.6	-.0081	-.2167	101980.	6.3	113.2	18.04	6.206	113.2	702.3	.000
6400.0	904.0	708.5	-.0078	-.2133	101093.	6.3	112.2	17.88	6.206	112.2	696.2	.000
6300.0	904.0	708.5	-.0076	-.2100	100198.	6.3	111.2	17.72	6.205	111.2	689.9	.000
6200.0	903.9	708.4	-.0073	-.2066	99294.	6.3	110.2	17.56	6.205	110.2	683.6	.000
6100.0	903.9	708.4	-.0071	-.2033	98383.	6.3	109.2	17.39	6.204	109.2	677.3	.000
6000.0	903.8	708.3	-.0068	-.1999	97462.	6.3	108.2	17.22	6.203	108.2	670.9	.000
5900.0	903.7	708.3	-.0066	-.1966	96533.	6.3	107.1	17.05	6.203	107.1	664.5	.000
5800.0	903.7	708.2	-.0064	-.1933	95595.	6.3	106.1	16.88	6.202	106.1	658.0	.000
5700.0	903.6	708.1	-.0061	-.1900	94648.	6.3	105.0	16.71	6.201	105.0	651.4	.000
5600.0	903.5	708.1	-.0059	-.1866	93691.	6.3	104.0	16.54	6.201	104.0	644.7	.000
5500.0	903.5	708.0	-.0057	-.1833	92724.	6.3	102.9	16.36	6.200	102.9	638.0	.000
5400.0	903.4	708.0	-.0055	-.1800	91747.	6.3	101.8	16.18	6.200	101.8	631.2	.000
5300.0	903.4	707.9	-.0053	-.1767	90759.	6.3	100.7	16.01	6.199	100.7	624.4	.000
5200.0	903.3	707.9	-.0051	-.1734	89760.	6.3	99.6	15.83	6.198	99.6	617.5	.000
5100.0	903.2	707.8	-.0049	-.1701	88751.	6.3	98.5	15.64	6.198	98.5	610.5	.000
5000.0	903.2	707.7	-.0047	-.1668	87729.	6.3	97.4	15.46	6.197	97.4	603.4	.000
4900.0	903.1	707.7	-.0045	-.1634	86696.	6.3	96.2	15.27	6.196	96.2	596.2	.000
4800.0	903.0	707.6	-.0043	-.1601	85649.	6.3	95.1	15.09	6.196	95.1	589.0	.000
4700.0	903.0	707.6	-.0041	-.1568	84590.	6.3	93.9	14.90	6.195	93.9	581.7	.000
4600.0	902.9	707.5	-.0039	-.1535	83518.	6.3	92.7	14.70	6.195	92.7	574.2	.000
4500.0	902.9	707.5	-.0038	-.1502	82431.	6.3	91.5	14.51	6.194	91.5	566.7	.000
4400.0	902.8	707.4	-.0036	-.1468	81330.	6.3	90.3	14.31	6.193	90.3	559.1	.000
4300.0	902.7	707.3	-.0034	-.1435	80214.	6.3	89.0	14.11	6.193	89.0	551.4	.000
4200.0	902.7	707.3	-.0033	-.1401	79082.	6.3	87.8	13.91	6.192	87.8	543.5	.000
4100.0	902.6	707.2	-.0031	-.1368	77934.	6.3	86.5	13.70	6.191	86.5	535.6	.000
4000.0	902.5	707.2	-.0030	-.1334	76768.	6.3	85.2	13.49	6.191	85.2	527.5	.000
3900.0	902.4	707.1	-.0028	-.1300	75585.	6.3	83.9	13.28	6.190	83.9	519.4	.000
3800.0	902.4	707.1	-.0027	-.1266	74382.	6.3	82.6	13.07	6.190	82.6	511.1	.000
3700.0	902.4	707.0	-.0025	-.1232	73160.	6.3	81.2	12.85	6.189	81.2	502.6	.000
3600.0	902.3	706.9	-.0024	-.1198	71917.	6.3	79.8	12.63	6.188	79.8	494.0	.000
3500.0	902.3	706.9	-.0023	-.1164	70652.	6.3	78.4	12.40	6.188	78.4	485.3	.000
3400.0	902.2	706.8	-.0021	-.1129	69361.	6.3	77.0	12.17	6.187	77.0	476.4	.000
3300.0	902.1	706.8	-.0020	-.1094	68045.	6.3	75.5	11.94	6.186	75.5	467.3	.000
3200.0	902.0	706.7	-.0019	-.1059	66719.	6.3	74.1	11.70	6.186	74.1	458.1	.000
3100.0	902.0	706.7	-.0018	-.1024	65349.	6.3	72.5	11.46	6.185	72.5	448.7	.000
3000.0	901.9	706.6	-.0016	-.0988	63951.	6.3	71.0	11.21	6.185	71.0	439.1	.000
2900.0	901.9	706.6	-.0015	-.0951	62525.	6.3	69.4	10.96	6.184	69.4	429.3	.000
2800.0	901.8	706.5	-.0014	-.0917	61066.	6.3	67.8	10.70	6.183	67.8	419.3	.000
2700.0	901.7	706.4	-.0013	-.0880	59570.	6.3	66.1	10.44	6.183	66.1	408.9	.000
2600.0	901.7	706.4	-.0012	-.0843	58036.	6.3	64.4	10.17	6.182	64.4	398.3	.000
2500.0	901.6	706.3	-.0011	-.0806	56461.	6.3	62.7	9.89	6.181	62.7	387.5	.000
2400.0	901.5	706.3	-.0010	-.0769	54846.	6.3	60.9	9.60	6.181	60.9	376.3	.000
2300.0	901.5	706.2	-.0009	-.0730	53169.	6.3	59.0	9.31	6.180	59.0	364.8	.000
2200.0	901.4	706.2	-.0008	-.0691	51445.	6.3	57.1	9.00	6.179	57.1	353.0	.000
2100.0	901.4	706.1	-.0008	-.0652	49660.	6.3	55.1	8.69	6.179	55.1	340.7	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 440 K)

PO KPa	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AME M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
2000.0	901.3	706.0	-.0007	-.0612	47809.	6.3	53.1	8.36	6.178	53.1	328.0	.000
1900.0	901.2	706.0	-.0006	-.0571	45583.	6.4	50.8	8.02	6.178	50.8	314.7	.000
1800.0	901.2	705.9	-.0005	-.0530	43372.	6.4	48.7	7.67	6.177	48.7	300.9	.000
1700.0	901.1	705.9	-.0004	-.0487	41165.	6.4	46.4	7.30	6.176	46.4	286.4	.000
1600.0	901.0	705.8	-.0004	-.0444	38946.	6.4	43.9	6.91	6.176	43.9	271.2	.000
1500.0	901.0	705.8	-.0003	-.0399	37194.	6.4	41.3	6.50	6.175	41.3	255.0	.000
1400.0	900.9	705.7	-.0003	-.0354	34584.	6.4	38.5	6.06	6.174	38.5	237.8	.000
1300.0	900.8	705.7	-.0002	-.0307	31976.	6.4	35.5	5.58	6.174	35.5	219.2	.000
1200.0	900.8	705.6	-.0002	-.0258	29370.	6.4	32.2	5.06	6.173	32.2	198.9	.000
1100.0	900.7	705.5	-.0001	-.0207	25720.	6.4	28.6	4.49	6.173	28.6	176.3	.000
1000.0	900.7	705.5	-.0001	-.0155	21932.	6.4	24.4	3.83	6.172	24.4	150.3	.000
900.0	900.6	705.4	-.0001	-.0099	17330.	6.4	19.3	3.02	6.171	19.3	114.8	.006
800.0	900.5	705.4	-.0000	-.0041	13495.	6.5	27.3	2.88	6.654	26.9	178.7	.019

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
22120.0	903.7	760.7	*******	********	194227.	7.4	217.5	29.37	5.823	217.5	1765.3	.000
22100.0	903.7	760.7	-4.0612	-12.3827	194135.	7.4	217.4	29.50	5.823	217.4	1765.7	.000
22000.0	903.6	760.6	-1.4811	-4.3892	193678.	7.4	216.9	29.23	5.822	216.9	1762.4	.000
21900.0	903.6	760.5	-1.0458	-3.1349	193219.	7.4	216.4	29.15	5.821	216.4	1759.5	.000
21800.0	903.5	760.5	-.8439	-2.5360	192759.	7.4	215.9	29.08	5.820	215.8	1756.4	.000
21700.0	903.5	760.5	-.7187	-2.1667	192298.	7.4	215.3	29.00	5.820	215.3	1753.3	.000
21600.0	903.4	760.4	-.6323	-1.9085	191835.	7.4	214.8	28.93	5.820	214.8	1750.2	.000
21500.0	903.3	760.3	-.5678	-1.7142	191372.	7.4	214.3	28.85	5.819	214.3	1747.0	.000
21400.0	903.3	760.3	-.5179	-1.5605	190907.	7.4	213.8	28.77	5.818	213.8	1743.9	.000
21300.0	903.2	760.2	-.4783	-1.4367	190442.	7.4	213.3	28.69	5.817	213.3	1740.8	.000
21200.0	903.2	760.2	-.4461	-1.3389	189975.	7.4	212.7	28.61	5.817	212.7	1737.6	.000
21100.0	903.1	760.1	-.4189	-1.8581	189507.	7.4	212.2	28.54	5.817	212.2	1734.5	.000
21000.0	903.0	760.1	-.3977	-1.7589	189038.	7.4	211.7	28.46	5.816	211.7	1731.3	.000
20900.0	903.0	760.0	-.3657	-1.6889	188568.	7.4	211.2	28.38	5.815	211.2	1728.1	.000
20800.0	902.9	760.0	-.3461	-1.6264	188096.	7.4	210.6	28.30	5.815	210.6	1724.9	.000
20700.0	902.9	759.9	-.3285	-1.5699	187624.	7.4	210.1	28.22	5.815	210.1	1721.8	.000
20600.0	902.8	759.8	-.3127	-1.5184	187150.	7.4	209.6	28.15	5.814	209.6	1718.6	.000
20500.0	902.7	759.8	-.2983	-1.4716	186675.	7.4	209.1	28.07	5.813	209.1	1715.4	.000
20400.0	902.7	759.7	-.2852	-1.4287	186198.	7.5	208.5	27.99	5.813	208.5	1712.2	.000
20300.0	902.6	759.7	-.2731	-1.3891	185721.	7.5	208.0	27.91	5.812	208.0	1709.0	.000
20200.0	902.6	759.6	-.2619	-1.3525	185241.	7.5	207.4	27.83	5.811	207.5	1705.8	.000
20100.0	902.5	759.6	-.2516	-1.3188	184760.	7.5	206.9	27.75	5.811	206.9	1702.5	.000
20000.0	902.4	759.5	-.2419	-1.2830	184280.	7.5	206.4	27.68	5.810	206.4	1699.3	.000
19900.0	902.4	759.4	-.2329	-1.2551	183798.	7.5	205.9	27.60	5.810	205.9	1696.1	.000
19800.0	902.3	759.4	-.2245	-1.2295	183316.	7.5	205.3	27.52	5.809	205.4	1692.8	.000
19700.0	902.2	759.3	-.2166	-1.2054	182832.	7.5	204.8	27.44	5.808	204.8	1689.6	.000
19600.0	902.2	759.3	-.2091	-1.1833	182342.	7.5	204.2	27.36	5.808	204.2	1686.3	.000
19500.0	902.1	759.2	-.2021	-1.1644	181855.	7.5	203.7	27.28	5.807	203.7	1683.0	.000
19400.0	902.1	759.2	-.1954	-1.1207	181365.	7.5	203.2	27.20	5.807	203.2	1679.7	.000
19300.0	902.0	759.1	-.1891	-1.0980	180875.	7.5	202.6	27.12	5.807	202.6	1676.5	.000
19200.0	901.9	759.1	-.1831	-1.0763	180383.	7.5	202.1	27.04	5.806	202.1	1673.2	.000
19100.0	901.9	759.0	-.1774	-1.0556	179890.	7.5	201.5	26.96	5.805	201.5	1669.8	.000
19000.0	901.8	758.9	-.1720	-1.0359	179395.	7.5	201.0	26.88	5.805	201.0	1666.5	.000
18900.0	901.8	758.9	-.1668	-1.0169	178900.	7.5	200.4	26.80	5.804	200.4	1663.2	.000
18800.0	901.7	758.8	-.1619	-.9987	178404.	7.5	199.9	26.71	5.804	199.9	1659.9	.000
18700.0	901.6	758.8	-.1571	-.9803	177904.	7.5	199.3	26.63	5.803	199.3	1656.5	.000
18600.0	901.6	758.7	-.1526	-.9637	177403.	7.5	198.7	26.55	5.803	198.7	1653.2	.000
18500.0	901.5	758.7	-.1483	-.9467	176902.	7.5	198.2	26.47	5.802	198.2	1649.8	.000
18400.0	901.4	758.6	-.1441	-.9308	176399.	7.5	197.6	26.39	5.801	197.6	1646.5	.000
18300.0	901.4	758.6	-.1401	-.9154	175894.	7.5	197.1	26.31	5.801	197.1	1643.1	.000
18200.0	901.3	758.5	-.1363	-.9005	175389.	7.5	196.5	26.22	5.800	196.5	1639.7	.000
18100.0	901.3	758.4	-.1327	-.8861	174881.	7.5	195.9	26.14	5.800	195.9	1636.3	.000
18000.0	901.2	758.4	-.1291	-.8721	174372.	7.5	195.4	26.06	5.799	195.4	1632.9	.000
17900.0	901.1	758.3	-.1257	-.8586	173860.	7.5	194.8	25.98	5.798	194.8	1629.5	.000
17800.0	901.1	758.3	-.1224	-.8454	173346.	7.5	194.2	25.89	5.798	194.2	1626.1	.000
17700.0	901.0	758.2	-.1192	-.8327	172831.	7.5	193.6	25.81	5.797	193.6	1622.6	.000
17600.0	901.0	758.2	-.1161	-.8203	172312.	7.5	193.1	25.73	5.797	193.1	1619.2	.000
17500.0	900.9	758.1	-.1132	-.8082	171805.	7.5	192.5	25.64	5.796	192.5	1615.8	.000
17400.0	900.8	758.1	-.1103	-.7969	171287.	7.5	191.9	25.56	5.796	191.9	1612.3	.000
17300.0	900.8	758.0	-.1076	-.7852	170767.	7.5	191.3	25.48	5.795	191.3	1608.8	.000
17200.0	900.7	758.0	-.1049	-.7741	170246.	7.5	190.8	25.39	5.794	190.8	1605.3	.000
17100.0	900.7	757.9	-.1023	-.7633	169723.	7.5	190.2	25.31	5.794	190.2	1601.9	.000
17000.0	900.6	757.8	-.0999	-.7528	169199.	7.5	189.6	25.22	5.793	189.6	1598.4	.000
16900.0	900.6	757.8	-.0974	-.7425	168673.	7.5	189.0	25.14	5.793	189.0	1594.9	.000
16800.0	900.5	757.7	-.0951	-.7325	168145.	7.5	188.4	25.05	5.792	188.4	1591.4	.000
16700.0	900.4	757.7	-.0929	-.7228	167615.	7.5	187.8	24.97	5.792	187.8	1587.8	.000
16600.0	900.3	757.6	-.0907	-.7133	167084.	7.5	187.2	24.88	5.791	187.2	1584.3	.000
16500.0	900.3	757.6	-.0886	-.7043	166551.	7.5	186.6	24.80	5.790	186.6	1580.7	.000
16400.0	900.2	757.5	-.0865	-.6952	166017.	7.5	186.0	24.71	5.790	186.0	1577.2	.000
16300.0	900.2	757.5	-.0845	-.6863	165480.	7.5	185.4	24.63	5.789	185.4	1573.6	.000
16200.0	900.1	757.4	-.0826	-.6776	164942.	7.5	184.8	24.54	5.789	184.8	1570.0	.000
16100.0	900.0	757.3	-.0807	-.6690	164402.	7.5	184.2	24.45	5.788	184.2	1566.4	.000
16000.0	900.0	757.3	-.0789	-.6608	163860.	7.5	183.6	24.37	5.788	183.6	1562.8	.000
15900.0	899.9	757.2	-.0771	-.6524	163317.	7.5	183.0	24.28	5.787	183.0	1559.2	.000
15800.0	899.8	757.2	-.0753	-.6443	162772.	7.5	182.4	24.19	5.786	182.4	1555.6	.000
15700.0	899.8	757.1	-.0736	-.6364	162226.	7.5	181.8	24.11	5.786	181.8	1551.9	.000
15600.0	899.7	757.1	-.0720	-.6287	161675.	7.5	181.2	24.02	5.785	181.2	1548.3	.000
15500.0	899.7	757.0	-.0704	-.6210	161124.	7.5	180.6	23.93	5.785	180.6	1544.6	.000
15400.0	899.6	757.0	-.0688	-.6135	160572.	7.5	180.0	23.84	5.784	180.0	1540.9	.000
15300.0	899.5	756.9	-.0673	-.6062	160017.	7.5	179.3	23.76	5.783	179.3	1537.2	.000
15200.0	899.5	756.8	-.0658	-.5989	159460.	7.5	178.7	23.67	5.783	178.7	1533.5	.000
15100.0	899.4	756.8	-.0643	-.5918	158901.	7.6	178.1	23.58	5.782	178.1	1529.8	.000
15000.0	899.3	756.7	-.0629	-.5848	158341.	7.6	177.5	23.49	5.782	177.5	1526.1	.000
14900.0	899.3	756.7	-.0615	-.5779	157778.	7.6	176.8	23.40	5.781	176.8	1522.4	.000
14800.0	899.2	756.6	-.0601	-.5711	157213.	7.6	176.2	23.31	5.781	176.2	1518.6	.000
14700.0	899.2	756.6	-.0588	-.5643	156647.	7.6	175.6	23.22	5.780	175.6	1514.9	.000
14600.0	899.1	756.5	-.0575	-.5579	156078.	7.6	175.0	23.13	5.779	174.9	1511.1	.000
14500.0	899.0	756.5	-.0563	-.5514	155507.	7.6	174.3	23.04	5.778	174.3	1507.3	.000
14400.0	899.0	756.4	-.0550	-.5450	154934.	7.6	173.7	22.95	5.778	173.7	1503.5	.000
14300.0	898.9	756.4	-.0538	-.5388	154359.	7.6	173.0	22.86	5.778	173.0	999.7	.000
14200.0	898.9	756.3	-.0527	-.5326	153781.	7.6	172.4	22.77	5.777	172.4	995.9	.000
14100.0	898.8	756.2	-.0515	-.5265	153202.	7.6	171.7	22.68	5.776	171.7	992.0	.000
14000.0	898.7	756.2	-.0504	-.5204	152620.	7.6	171.1	22.58	5.776	171.1	988.2	.000
13900.0	898.7	756.1	-.0493	-.5145	152036.	7.6	170.4	22.49	5.775	170.4	984.3	.000
13800.0	898.6	756.1	-.0482	-.5086	151450.	7.6	169.8	22.40	5.775	169.8	980.4	.000
13700.0	898.6	756.0	-.0472	-.5028	150861.	7.6	169.1	22.31	5.774	169.1	976.6	.000
13600.0	898.5	756.0	-.0461	-.4971	150270.	7.6	168.5	22.21	5.774	168.5	972.6	.000
13500.0	898.4	755.9	-.0451	-.4915	149677.	7.6	167.8	22.12	5.773	167.8	968.7	.000
13400.0	898.4	755.9	-.0441	-.4859	149081.	7.6	167.1	22.03	5.773	167.1	964.8	.000
13300.0	898.3	755.8	-.0432	-.4804	148483.	7.6	166.4	21.93	5.772	166.4	960.8	.000
13200.0	898.2	755.8	-.0422	-.4750	147883.	7.6	165.8	21.84	5.771	165.8	956.9	.000
13100.0	898.2	755.7	-.0413	-.4697	147280.	7.6	165.1	21.74	5.771	165.1	952.9	.000
13000.0	898.1	755.6	-.0404	-.4644	146675.	7.6	164.4	21.65	5.770	164.4	948.9	.000
12900.0	898.0	755.6	-.0396	-.4591	146067.	7.6	163.8	21.55	5.769	163.8	944.9	.000
12800.0	898.0	755.5	-.0387	-.4539	145456.	7.6	163.1	21.46	5.769	163.1	940.8	.000
12700.0	897.9	755.5	-.0378	-.4488	144843.	7.6	162.4	21.36	5.768	162.4	936.8	.000
12600.0	897.8	755.4	-.0370	-.4438	144227.	7.6	161.7	21.27	5.768	161.7	932.7	.000
12500.0	897.8	755.4	-.0362	-.4388	143609.	7.6	161.0	21.17	5.767	161.0	928.6	.000
12400.0	897.7	755.3	-.0354	-.4338	142988.	7.6	160.3	21.07	5.766	160.3	924.5	.000
12300.0	897.7	755.3	-.0346	-.4289	142364.	7.6	159.6	20.98	5.766	159.6	920.4	.000
12200.0	897.6	755.2	-.0338	-.4241	141738.	7.6	158.9	20.88	5.765	158.9	916.3	.000
12100.0	897.5	755.2	-.0331	-.4193	141108.	7.6	158.2	20.78	5.765	158.2	912.2	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 450 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	S KG/(S-M2)	AHE M/S	VAVG M/S	RAVG	SLIP	VL M/S	VV M/S	XF
12000.0	897.5	755.1	-.0123	-.4143	140476.	7.6	137.5	20.58	5.764	137.5	909.0	.000
11900.0	897.4	755.0	-.0116	-.4008	139841.	7.6	136.8	20.66	5.764	136.8	908.8	.000
11800.0	897.3	754.9	-.0109	-.4052	139203.	7.6	136.1	20.49	5.763	136.1	899.4	.000
11700.0	897.3	754.9	-.0102	-.4006	138562.	7.6	135.4	20.30	5.762	135.4	895.4	.000
11600.0	897.2	754.9	-.0095	-.3960	137918.	7.6	134.7	20.29	5.762	134.7	891.1	.000
11500.0	897.1	754.8	-.0289	-.3915	137271.	7.6	133.9	20.19	5.761	133.9	886.9	.000
11400.0	897.1	754.8	-.0282	-.3870	136621.	7.6	133.2	20.09	5.760	133.2	882.6	.000
11300.0	897.0	754.7	-.0276	-.3826	135968.	7.6	132.5	20.00	5.760	132.5	878.3	.000
11200.0	897.0	754.7	-.0270	-.3782	135312.	7.6	131.8	19.88	5.759	131.8	874.0	.000
11100.0	896.9	754.6	-.0263	-.3738	134652.	7.6	131.0	19.78	5.759	131.0	869.7	.000
11000.0	896.8	754.6	-.0257	-.3695	133989.	7.6	130.3	19.68	5.758	130.3	865.3	.000
10900.0	896.8	754.5	-.0251	-.3652	133323.	7.6	129.5	19.58	5.757	129.5	860.9	.000
10800.0	896.7	754.5	-.0245	-.3610	132654.	7.6	128.8	19.47	5.756	128.8	856.5	.000
10700.0	896.6	754.4	-.0240	-.3567	131981.	7.6	128.0	19.37	5.756	128.0	852.1	.000
10600.0	896.6	754.3	-.0234	-.3526	131304.	7.6	127.3	19.26	5.756	127.3	847.7	.000
10500.0	896.5	754.3	-.0229	-.3484	130624.	7.6	126.5	19.16	5.755	126.5	843.2	.000
10400.0	896.4	754.2	-.0224	-.3443	129941.	7.6	125.7	19.05	5.755	125.7	838.7	.000
10300.0	896.4	754.2	-.0218	-.3402	129254.	7.7	125.0	18.95	5.754	125.0	834.2	.000
10200.0	896.3	754.1	-.0213	-.3362	128563.	7.7	124.2	18.84	5.753	124.2	829.6	.000
10100.0	896.3	754.1	-.0208	-.3322	127868.	7.7	123.4	18.74	5.753	123.4	825.1	.000
10000.0	896.2	754.0	-.0203	-.3282	127170.	7.7	122.6	18.63	5.752	122.6	820.6	.000
9900.0	896.1	754.0	-.0198	-.3242	126468.	7.7	121.9	18.52	5.752	121.9	815.9	.000
9800.0	896.1	753.9	-.0193	-.3203	125762.	7.7	121.1	18.41	5.751	121.1	811.3	.000
9700.0	896.0	753.9	-.0189	-.3164	125051.	7.7	120.3	18.31	5.750	120.3	806.7	.000
9600.0	895.9	753.8	-.0184	-.3125	124337.	7.7	119.5	18.20	5.750	119.5	802.0	.000
9500.0	895.9	753.7	-.0179	-.3087	123619.	7.7	118.7	18.09	5.749	118.7	797.3	.000
9400.0	895.8	753.7	-.0175	-.3049	122896.	7.7	117.9	17.98	5.749	117.9	792.6	.000
9300.0	895.7	753.6	-.0170	-.3011	122169.	7.7	117.1	17.87	5.748	117.1	787.8	.000
9200.0	895.7	753.6	-.0166	-.2973	121438.	7.7	116.2	17.75	5.748	116.2	783.0	.000
9100.0	895.6	753.5	-.0162	-.2935	120702.	7.7	115.4	17.64	5.747	115.4	778.2	.000
9000.0	895.5	753.5	-.0158	-.2898	119962.	7.7	114.6	17.53	5.746	114.6	773.4	.000
8900.0	895.5	753.4	-.0154	-.2861	119217.	7.7	113.7	17.42	5.746	113.7	768.5	.000
8800.0	895.4	753.4	-.0150	-.2824	118467.	7.7	112.9	17.30	5.745	112.9	763.6	.000
8700.0	895.4	753.3	-.0146	-.2788	117713.	7.7	112.1	17.19	5.745	112.1	758.7	.000
8600.0	895.3	753.3	-.0142	-.2751	116953.	7.7	111.2	17.07	5.744	111.2	753.7	.000
8500.0	895.2	753.2	-.0138	-.2715	116189.	7.7	110.4	16.96	5.743	110.4	748.7	.000
8400.0	895.2	753.2	-.0134	-.2679	115420.	7.7	109.5	16.84	5.743	109.5	743.7	.000
8300.0	895.1	753.1	-.0131	-.2643	114644.	7.7	108.6	16.72	5.742	108.6	738.6	.000
8200.0	895.0	753.1	-.0127	-.2608	113865.	7.7	107.8	16.60	5.742	107.8	733.5	.000
8100.0	895.0	753.0	-.0124	-.2572	113080.	7.7	106.9	16.49	5.741	106.9	728.4	.000
8000.0	894.9	752.9	-.0121	-.2537	112289.	7.7	106.0	16.37	5.740	106.0	723.3	.000
7900.0	894.8	752.9	-.0117	-.2502	111493.	7.7	105.1	16.25	5.740	105.1	718.1	.000
7800.0	894.8	752.8	-.0114	-.2467	110691.	7.7	104.2	16.12	5.739	104.2	712.9	.000
7700.0	894.7	752.8	-.0111	-.2432	109883.	7.7	103.3	16.00	5.739	103.3	707.6	.000
7600.0	894.6	752.7	-.0107	-.2397	109069.	7.7	102.4	15.88	5.738	102.4	702.3	.000
7500.0	894.6	752.7	-.0104	-.2363	108249.	7.7	101.5	15.76	5.737	101.5	696.9	.000
7400.0	894.5	752.6	-.0101	-.2329	107422.	7.7	100.6	15.63	5.736	100.6	691.5	.000
7300.0	894.4	752.6	-.0098	-.2294	106589.	7.7	99.6	15.51	5.736	99.6	686.1	.000
7200.0	894.4	752.5	-.0095	-.2260	105750.	7.7	98.7	15.38	5.735	98.7	680.7	.000
7100.0	894.3	752.5	-.0092	-.2226	104904.	7.7	97.7	15.25	5.735	97.7	675.1	.000
7000.0	894.2	752.4	-.0090	-.2192	104051.	7.7	96.8	15.13	5.734	96.8	669.6	.000
6900.0	894.2	752.4	-.0087	-.2159	103190.	7.7	95.8	15.00	5.734	95.8	664.0	.000
6800.0	894.1	752.3	-.0084	-.2125	102323.	7.7	94.8	14.87	5.733	94.8	658.4	.000
6700.0	894.1	752.3	-.0081	-.2092	101448.	7.7	93.9	14.74	5.733	93.9	652.7	.000
6600.0	894.0	752.2	-.0079	-.2058	100565.	7.7	92.9	14.60	5.732	92.9	646.9	.000
6500.0	893.9	752.1	-.0076	-.2025	99675.	7.7	91.9	14.47	5.731	91.9	641.2	.000
6400.0	893.9	752.1	-.0074	-.1992	98777.	7.7	90.9	14.34	5.731	90.9	635.3	.000
6300.0	893.8	752.0	-.0071	-.1958	97870.	7.7	89.9	14.20	5.730	89.9	629.4	.000
6200.0	893.7	752.0	-.0069	-.1925	96955.	7.7	88.8	14.07	5.730	88.8	623.5	.000
6100.0	893.7	751.9	-.0066	-.1892	96031.	7.7	87.8	13.93	5.729	87.8	617.5	.000
6000.0	893.6	751.9	-.0064	-.1859	95098.	7.7	86.7	13.79	5.728	86.7	611.4	.000
5900.0	893.5	751.8	-.0062	-.1826	94156.	7.7	85.7	13.65	5.728	85.7	605.3	.000
5800.0	893.4	751.8	-.0060	-.1793	93204.	7.7	84.6	13.51	5.727	84.6	599.2	.000
5700.0	893.4	751.7	-.0057	-.1761	92242.	7.7	83.5	13.36	5.727	83.5	593.0	.000
5600.0	893.3	751.7	-.0055	-.1728	91270.	7.7	82.4	13.22	5.726	82.4	586.6	.000
5500.0	893.3	751.6	-.0053	-.1695	90288.	7.8	81.3	13.08	5.725	81.3	580.3	.000
5400.0	893.2	751.6	-.0051	-.1662	89295.	7.8	80.2	12.93	5.725	80.2	573.8	.000
5300.0	893.1	751.5	-.0049	-.1630	88291.	7.8	79.1	12.78	5.724	79.1	567.3	.000
5200.0	893.1	751.5	-.0047	-.1597	87275.	7.8	78.0	12.63	5.724	78.0	560.7	.000
5100.0	893.0	751.4	-.0045	-.1564	86247.	7.8	76.8	12.48	5.723	76.9	554.1	.000
5000.0	892.9	751.3	-.0043	-.1532	85207.	7.8	75.7	12.32	5.722	75.7	547.4	.000
4900.0	892.9	751.3	-.0042	-.1499	84154.	7.8	74.5	12.17	5.722	74.5	540.5	.000
4800.0	892.8	751.2	-.0040	-.1466	83087.	7.8	73.3	12.01	5.721	73.3	533.6	.000
4700.0	892.7	751.2	-.0038	-.1433	82006.	7.8	72.1	11.85	5.721	72.1	526.7	.000
4600.0	892.7	751.1	-.0036	-.1400	80912.	7.8	70.8	11.69	5.720	70.8	519.4	.000
4500.0	892.6	751.1	-.0035	-.1368	79802.	7.8	69.6	11.53	5.719	69.6	512.4	.000
4400.0	892.5	751.0	-.0033	-.1335	78676.	7.8	68.3	11.37	5.719	68.3	504.8	.000
4300.0	892.5	751.0	-.0032	-.1302	77534.	7.8	67.0	11.19	5.718	67.0	497.1	.000
4200.0	892.4	750.9	-.0030	-.1269	76375.	7.8	65.7	11.02	5.717	65.7	490.3	.000
4100.0	892.3	750.9	-.0029	-.1235	75198.	7.8	64.4	10.85	5.717	64.4	482.7	.000
4000.0	892.3	750.8	-.0027	-.1202	74002.	7.8	63.1	10.67	5.716	63.1	474.9	.000
3900.0	892.2	750.8	-.0026	-.1169	72786.	7.8	61.7	10.50	5.716	61.7	467.1	.000
3800.0	892.1	750.7	-.0024	-.1135	71550.	7.8	60.3	10.31	5.715	60.3	459.1	.000
3700.0	892.1	750.7	-.0023	-.1102	70292.	7.8	78.9	10.12	5.715	78.9	451.0	.000
3600.0	892.0	750.6	-.0022	-.1068	69011.	7.8	77.5	9.94	5.714	77.5	442.9	.000
3500.0	891.9	750.6	-.0020	-.1034	67706.	7.8	76.0	9.75	5.713	76.0	434.3	.000
3400.0	891.9	750.5	-.0019	-.1000	66375.	7.8	74.5	9.56	5.713	74.5	425.8	.000
3300.0	891.8	750.4	-.0018	-.0965	65017.	7.8	73.0	9.36	5.712	73.0	417.0	.000
3200.0	891.7	750.4	-.0017	-.0931	63630.	7.8	71.4	9.16	5.711	71.4	408.1	.000
3100.0	891.7	750.3	-.0016	-.0896	62212.	7.8	69.9	8.95	5.711	69.9	399.0	.000
3000.0	891.6	750.3	-.0014	-.0861	60760.	7.8	68.2	8.74	5.710	68.2	389.6	.000
2900.0	891.5	750.2	-.0013	-.0825	59275.	7.8	66.6	8.53	5.710	66.6	380.0	.000
2800.0	891.5	750.2	-.0012	-.0790	57748.	7.8	64.9	8.30	5.709	64.9	370.2	.000
2700.0	891.4	750.1	-.0011	-.0754	56182.	7.8	63.1	8.09	5.708	63.1	360.2	.000
2600.0	891.3	750.1	-.0010	-.0717	54570.	7.8	61.3	7.84	5.708	61.3	349.8	.000
2500.0	891.3	750.0	-.0009	-.0680	52909.	7.8	59.4	7.60	5.707	59.4	339.1	.000
2400.0	891.2	750.0	-.0008	-.0643	51194.	7.8	57.5	7.35	5.707	57.5	328.1	.000
2300.0	891.1	749.9	-.0007	-.0605	49426.	7.8	55.5	7.10	5.706	55.5	316.7	.000
2200.0	891.1	749.9	-.0007	-.0567	47598.	7.8	53.4	6.83	5.705	53.4	304.9	.000
2100.0	891.0	749.8	-.0006	-.0528	45706.	7.8	51.3	6.54	5.705	51.3	292.6	.000

TABLE 1. ISOLATED SPINAL FLOW PROPERTIES

(TO 450 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	Q KG/(S-M2)	AME M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
7000.0	890.9	749.8	-.0006	-.0499	43667.	7.8	49.0	6.27	5.704	49.0	279.8	.600
1900.0	890.9	749.7	-.0005	-.0448	41573.	7.8	46.7	5.96	5.704	46.7	266.3	.000
1800.0	890.8	749.7	-.0004	-.0407	39367.	7.8	44.2	5.65	5.703	44.2	252.5	.000
1700.0	890.7	749.6	-.0004	-.0366	37030.	7.8	41.6	5.31	5.702	41.6	237.2	.000
1600.0	890.7	749.6	-.0003	-.0323	34536.	7.8	38.8	4.95	5.702	38.8	221.2	.000
1500.0	890.6	749.5	-.0002	-.0279	31846.	7.8	35.8	4.56	5.701	35.8	203.9	.000
1400.0	890.5	749.5	-.0002	-.0234	28907.	7.8	32.5	4.13	5.701	32.5	185.1	.000
1300.0	890.5	749.4	-.0001	-.0187	25633.	7.8	28.8	3.67	5.700	28.8	164.1	.000
1200.0	890.4	749.4	-.0001	-.0139	21874.	7.8	24.6	3.13	5.699	24.6	140.0	.000
1100.0	890.3	749.3	-.0001	-.0089	17318.	7.8	19.5	2.48	5.699	19.5	110.9	.000
1000.0	890.3	749.3	-.0000	-.0037	15094.	11.5	31.1	2.70	6.194	30.5	188.8	.072

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 460 K)

PO KPa	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AME M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XE
22120.0	893.6	804.0	********	********	192062.	9.0	217.6	24.07	5.397	217.6	1174.3	.000
22100.0	893.6	804.0	-4.0133	-12.1595	191971.	9.0	217.5	24.06	5.397	217.5	1173.7	.000
22000.0	893.5	803.9	-1.4692	-4.8939	191513.	9.0	217.0	24.00	5.396	217.0	1170.8	.000
21900.0	893.5	803.9	-1.0387	-3.6608	191054.	9.0	216.4	23.93	5.396	216.4	1167.9	.000
21800.0	893.4	803.8	-.8358	-3.0727	190594.	9.0	215.9	23.87	5.395	215.9	1165.0	.000
21700.0	893.3	803.8	-.7118	-2.7097	190133.	9.0	215.4	23.81	5.395	215.4	1162.0	.000
21600.0	893.3	803.7	-.6260	-2.4560	189670.	9.1	214.9	23.74	5.394	214.9	1159.1	.000
21500.0	893.2	803.7	-.5620	-2.2630	189207.	9.1	214.4	23.68	5.394	214.4	1156.2	.000
21400.0	893.1	803.6	-.5119	-2.1139	188742.	9.1	213.8	23.61	5.393	213.8	1153.2	.000
21300.0	893.1	803.6	-.4711	-1.9902	188276.	9.1	213.3	23.55	5.393	213.3	1150.3	.000
21200.0	893.0	803.5	-.4373	-1.8862	187809.	9.1	212.8	23.49	5.392	212.8	1147.3	.000
21100.0	893.0	803.4	-.4083	-1.7970	187341.	9.1	212.3	23.42	5.391	212.3	1144.4	.000
21000.0	892.9	803.4	-.3833	-1.7192	186872.	9.1	211.7	23.36	5.391	211.7	1141.4	.000
20900.0	892.8	803.3	-.3614	-1.6504	186401.	9.1	211.2	23.29	5.390	211.2	1138.5	.000
20800.0	892.8	803.3	-.3419	-1.5889	185929.	9.1	210.7	23.23	5.389	210.7	1135.5	.000
20700.0	892.7	803.2	-.3245	-1.5334	185456.	9.1	210.1	23.16	5.389	210.1	1132.5	.000
20600.0	892.6	803.2	-.3088	-1.4829	184982.	9.1	209.6	23.10	5.389	209.6	1129.5	.000
20500.0	892.6	803.1	-.2946	-1.4367	184507.	9.1	209.1	23.03	5.388	209.1	1126.5	.000
20400.0	892.5	803.0	-.2818	-1.3941	184030.	9.1	208.5	22.97	5.387	208.5	1123.5	.000
20300.0	892.4	803.0	-.2703	-1.3546	183553.	9.1	208.0	22.90	5.387	208.0	1120.5	.000
20200.0	892.4	803.0	-.2598	-1.3179	183073.	9.1	207.5	22.84	5.386	207.5	1117.4	.000
20100.0	892.3	802.9	-.2502	-1.2835	182592.	9.1	206.9	22.77	5.386	206.9	1114.4	.000
20000.0	892.3	802.9	-.2386	-1.2513	182111.	9.1	206.4	22.71	5.385	206.4	1111.4	.000
19900.0	892.2	802.8	-.2297	-1.2210	181628.	9.1	205.8	22.64	5.385	205.8	1108.3	.000
19800.0	892.1	802.8	-.2214	-1.1923	181143.	9.1	205.3	22.57	5.384	205.3	1105.3	.000
19700.0	892.1	802.7	-.2135	-1.1652	180658.	9.1	204.7	22.51	5.383	204.7	1102.2	.000
19600.0	892.0	802.7	-.2061	-1.1395	180171.	9.1	204.2	22.44	5.383	204.2	1099.2	.000
19500.0	891.9	802.6	-.1991	-1.1150	179682.	9.1	203.6	22.38	5.383	203.6	1096.1	.000
19400.0	891.9	802.5	-.1925	-1.0917	179193.	9.1	203.1	22.31	5.382	203.1	1093.0	.000
19300.0	891.8	802.5	-.1863	-1.0694	178702.	9.1	202.5	22.24	5.381	202.5	1089.9	.000
19200.0	891.7	802.5	-.1803	-1.0480	178209.	9.1	202.0	22.18	5.381	202.0	1086.8	.000
19100.0	891.7	802.4	-.1747	-1.0276	177716.	9.1	201.4	22.11	5.380	201.4	1083.7	.000
19000.0	891.6	802.4	-.1693	-1.0080	177221.	9.1	200.9	22.04	5.380	200.9	1080.6	.000
18900.0	891.5	802.3	-.1642	-.9892	176724.	9.1	200.3	21.97	5.379	200.3	1077.4	.000
18800.0	891.5	802.3	-.1593	-.9711	176226.	9.1	199.7	21.91	5.379	199.7	1074.4	.000
18700.0	891.4	802.2	-.1544	-.9536	175727.	9.1	199.2	21.84	5.378	199.2	1071.2	.000
18600.0	891.4	802.1	-.1501	-.9368	175226.	9.1	198.6	21.77	5.378	198.6	1068.1	.000
18500.0	891.3	802.1	-.1458	-.9206	174724.	9.1	198.1	21.70	5.377	198.1	1064.9	.000
18400.0	891.2	802.0	-.1417	-.9049	174220.	9.1	197.5	21.64	5.376	197.5	1061.8	.000
18300.0	891.2	802.0	-.1378	-.8897	173715.	9.1	196.9	21.57	5.376	196.9	1058.6	.000
18200.0	891.1	801.9	-.1340	-.8751	173208.	9.1	196.3	21.50	5.375	196.3	1055.4	.000
18100.0	891.0	801.9	-.1303	-.8609	172700.	9.1	195.8	21.43	5.375	195.8	1052.2	.000
18000.0	891.0	801.8	-.1268	-.8471	172190.	9.1	195.2	21.36	5.374	195.2	1049.0	.000
17900.0	890.9	801.8	-.1234	-.8338	171679.	9.1	194.6	21.29	5.374	194.6	1045.8	.000
17800.0	890.8	801.7	-.1202	-.8209	171166.	9.1	194.0	21.22	5.373	194.0	1042.6	.000
17700.0	890.8	801.7	-.1170	-.8083	170652.	9.1	193.5	21.16	5.373	193.5	1039.4	.000
17600.0	890.7	801.6	-.1140	-.7961	170136.	9.1	192.9	21.09	5.372	192.9	1036.2	.000
17500.0	890.6	801.5	-.1111	-.7843	169619.	9.2	192.3	21.02	5.371	192.3	1032.9	.000
17400.0	890.6	801.5	-.1083	-.7728	169100.	9.2	191.7	20.95	5.371	191.7	1029.7	.000
17300.0	890.5	801.5	-.1056	-.7616	168579.	9.2	191.1	20.88	5.370	191.1	1026.4	.000
17200.0	890.4	801.4	-.1029	-.7507	168057.	9.2	190.4	20.81	5.370	190.4	1023.1	.000
17100.0	890.4	801.4	-.1004	-.7401	167533.	9.2	189.9	20.74	5.369	189.9	1019.9	.000
17000.0	890.3	801.3	-.0979	-.7297	167007.	9.2	189.4	20.67	5.369	189.4	1016.6	.000
16900.0	890.2	801.3	-.0955	-.7196	166480.	9.2	188.8	20.60	5.368	188.8	1013.3	.000
16800.0	890.2	801.2	-.0932	-.7098	165951.	9.2	188.2	20.53	5.367	188.2	1010.0	.000
16700.0	890.1	801.2	-.0910	-.7002	165421.	9.2	187.6	20.46	5.367	187.6	1006.6	.000
16600.0	890.1	801.1	-.0888	-.6909	164888.	9.2	187.0	20.38	5.366	187.0	1003.3	.000
16500.0	890.0	801.1	-.0868	-.6820	164354.	9.2	186.4	20.31	5.366	186.4	1000.0	.000
16400.0	889.9	801.0	-.0847	-.6730	163818.	9.2	185.8	20.24	5.365	185.8	996.5	.000
16300.0	889.9	801.0	-.0828	-.6643	163281.	9.2	185.2	20.17	5.364	185.2	993.1	.000
16200.0	889.8	800.9	-.0809	-.6557	162743.	9.2	184.5	20.10	5.364	184.5	989.6	.000
16100.0	889.7	800.9	-.0790	-.6473	162203.	9.2	183.9	20.03	5.364	183.9	986.2	.000
16000.0	889.7	800.8	-.0772	-.6390	161657.	9.2	183.3	19.95	5.363	183.3	982.7	.000
15900.0	889.6	800.8	-.0754	-.6309	161113.	9.2	182.7	19.88	5.362	182.7	979.2	.000
15800.0	889.5	800.7	-.0737	-.6230	160568.	9.2	182.1	19.81	5.362	182.1	975.7	.000
15700.0	889.5	800.7	-.0720	-.6152	160017.	9.2	181.5	19.74	5.361	181.5	972.2	.000
15600.0	889.4	800.6	-.0704	-.6076	159466.	9.2	180.8	19.66	5.361	180.8	968.6	.000
15500.0	889.3	800.6	-.0688	-.6000	158914.	9.2	180.2	19.59	5.360	180.2	965.0	.000
15400.0	889.3	800.5	-.0672	-.5927	158359.	9.2	179.6	19.52	5.360	179.6	961.4	.000
15300.0	889.2	800.5	-.0657	-.5854	157803.	9.2	179.0	19.44	5.359	179.0	957.8	.000
15200.0	889.1	800.4	-.0642	-.5783	157244.	9.2	178.3	19.37	5.358	178.3	954.1	.000
15100.0	889.1	800.4	-.0628	-.5713	156684.	9.2	177.7	19.30	5.358	177.7	950.4	.000
15000.0	889.0	800.3	-.0614	-.5644	156122.	9.2	177.1	19.22	5.357	177.1	946.6	.000
14900.0	888.9	800.2	-.0600	-.5576	155557.	9.2	176.4	19.15	5.357	176.4	942.8	.000
14800.0	888.9	800.2	-.0587	-.5509	154991.	9.2	175.8	19.07	5.356	175.8	941.0	.000
14700.0	888.8	800.1	-.0574	-.5444	154422.	9.2	175.2	19.00	5.356	175.2	938.1	.000
14600.0	888.7	800.1	-.0561	-.5379	153851.	9.2	174.5	18.92	5.355	174.5	934.3	.000
14500.0	888.7	800.0	-.0549	-.5315	153279.	9.2	173.9	18.85	5.355	173.9	931.0	.000
14400.0	888.6	800.0	-.0536	-.5252	152704.	9.2	173.2	18.77	5.354	173.2	927.4	.000
14300.0	888.5	799.9	-.0525	-.5190	152126.	9.2	172.6	18.70	5.353	172.6	923.8	.000
14200.0	888.5	799.9	-.0513	-.5129	151547.	9.2	171.9	18.62	5.353	171.9	920.2	.000
14100.0	888.4	799.8	-.0502	-.5069	150965.	9.2	171.3	18.54	5.352	171.3	916.6	.000
14000.0	888.3	799.8	-.0491	-.5010	150381.	9.2	170.6	18.47	5.352	170.6	912.9	.000
13900.0	888.3	799.7	-.0480	-.4951	149795.	9.2	169.9	18.39	5.351	169.9	909.3	.000
13800.0	888.2	799.7	-.0469	-.4894	149207.	9.2	169.3	18.31	5.350	169.3	905.7	.000
13700.0	888.1	799.6	-.0459	-.4837	148616.	9.2	168.6	18.24	5.349	168.6	902.0	.000
13600.0	888.1	799.6	-.0449	-.4780	148022.	9.2	167.9	18.16	5.349	167.9	898.3	.000
13500.0	888.0	799.5	-.0439	-.4725	147427.	9.3	167.3	18.08	5.349	167.3	894.6	.000
13400.0	887.9	799.5	-.0429	-.4670	146829.	9.3	166.6	18.00	5.348	166.6	890.9	.000
13300.0	887.9	799.4	-.0420	-.4616	146228.	9.3	165.9	17.93	5.347	165.9	887.2	.000
13200.0	887.8	799.4	-.0410	-.4563	145625.	9.3	165.2	17.85	5.347	165.2	883.4	.000
13100.0	887.7	799.3	-.0401	-.4510	145019.	9.3	164.5	17.77	5.347	164.5	879.7	.000
13000.0	887.7	799.3	-.0392	-.4458	144411.	9.3	163.8	17.69	5.346	163.8	875.9	.000
12900.0	887.6	799.2	-.0384	-.4406	143801.	9.3	163.2	17.61	5.345	163.2	872.1	.000
12800.0	887.5	799.2	-.0375	-.4355	143188.	9.3	162.5	17.53	5.345	162.5	868.4	.000
12700.0	887.5	799.1	-.0367	-.4305	142571.	9.3	161.8	17.45	5.344	161.8	864.5	.000
12600.0	887.4	799.1	-.0359	-.4255	141953.	9.3	161.1	17.37	5.344	161.1	860.7	.000
12500.0	887.3	799.0	-.0351	-.4205	141334.	9.3	160.4	17.29	5.343	160.4	856.9	.000
12400.0	887.3	799.0	-.0343	-.4157	140709.	9.3	159.7	17.21	5.343	159.7	853.0	.000
12300.0	887.2	798.9	-.0335	-.4109	140080.	9.3	159.0	17.13	5.342	159.0	849.1	.000
12200.0	887.1	798.9	-.0328	-.4061	139450.	9.3	158.3	17.05	5.341	158.3	845.2	.000
12100.0	887.1	798.8	-.0320	-.4013	138814.	9.3	157.5	16.96	5.341	157.5	841.3	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 460 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
12000.0	887.0	798.8	-.0313	-.3967	138182.	9.3	156.8	16.88	5.340	156.8	837.4	.000
11900.0	886.9	798.7	-.0306	-.3920	137643.	9.3	156.1	16.80	5.340	156.1	833.5	.000
11800.0	886.9	798.7	-.0299	-.3874	137102.	9.3	155.4	16.72	5.339	155.4	829.5	.000
11700.0	886.8	798.6	-.0292	-.3829	136557.	9.3	154.6	16.63	5.339	154.6	825.5	.000
11600.0	886.7	798.6	-.0286	-.3784	135610.	9.3	153.9	16.55	5.338	153.9	821.5	.000
11500.0	886.7	798.5	-.0279	-.3739	134959.	9.3	153.2	16.47	5.337	153.2	817.5	.000
11400.0	886.6	798.5	-.0273	-.3695	134305.	9.3	152.4	16.38	5.337	152.4	813.5	.000
11300.0	886.5	798.4	-.0266	-.3652	133648.	9.3	151.7	16.30	5.336	151.7	809.4	.000
11200.0	886.5	798.4	-.0260	-.3608	132987.	9.3	150.9	16.21	5.336	150.9	805.3	.000
11100.0	886.4	798.3	-.0254	-.3565	132324.	9.3	150.2	16.13	5.335	150.2	801.2	.000
11000.0	886.3	798.3	-.0248	-.3523	131656.	9.3	149.4	16.04	5.335	149.4	797.1	.000
10900.0	886.3	798.2	-.0243	-.3481	130986.	9.3	148.7	15.96	5.334	148.7	793.0	.000
10800.0	886.2	798.2	-.0237	-.3439	130312.	9.3	147.9	15.87	5.333	147.9	788.9	.000
10700.0	886.1	798.1	-.0231	-.3397	129634.	9.3	147.1	15.79	5.333	147.1	784.7	.000
10600.0	886.1	798.1	-.0226	-.3356	128953.	9.3	146.4	15.70	5.332	146.4	780.5	.000
10500.0	886.0	798.0	-.0220	-.3315	128269.	9.3	145.6	15.61	5.332	145.6	776.3	.000
10400.0	885.9	798.0	-.0215	-.3275	127580.	9.3	144.8	15.53	5.331	144.9	772.0	.000
10300.0	885.9	797.9	-.0210	-.3234	126888.	9.3	144.0	15.44	5.330	144.0	767.8	.000
10200.0	885.8	797.9	-.0205	-.3195	126192.	9.3	143.2	15.35	5.330	143.2	763.5	.000
10100.0	885.7	797.8	-.0200	-.3155	125492.	9.3	142.5	15.26	5.329	142.5	759.2	.000
10000.0	885.7	797.8	-.0195	-.3116	124788.	9.3	141.7	15.17	5.329	141.7	754.9	.000
9900.0	885.6	797.7	-.0190	-.3077	124080.	9.3	140.9	15.08	5.328	140.9	750.5	.000
9800.0	885.5	797.7	-.0185	-.3038	123369.	9.3	140.1	14.99	5.328	140.1	746.2	.000
9700.0	885.5	797.6	-.0181	-.2999	122652.	9.3	139.2	14.90	5.327	139.4	741.8	.000
9600.0	885.4	797.6	-.0176	-.2961	121932.	9.4	138.4	14.80	5.327	138.4	737.3	.000
9500.0	885.3	797.5	-.0172	-.2923	121208.	9.4	137.6	14.71	5.326	137.6	732.9	.000
9400.0	885.3	797.5	-.0168	-.2886	120479.	9.4	136.8	14.62	5.325	136.8	728.4	.000
9300.0	885.2	797.4	-.0163	-.2848	119745.	9.4	135.9	14.53	5.325	136.0	723.9	.000
9200.0	885.1	797.4	-.0159	-.2811	119007.	9.4	135.1	14.43	5.324	135.1	719.4	.000
9100.0	885.1	797.3	-.0155	-.2774	118265.	9.4	134.3	14.34	5.324	134.3	714.8	.000
9000.0	885.0	797.3	-.0151	-.2737	117517.	9.4	133.4	14.25	5.323	133.4	710.2	.000
8900.0	884.9	797.2	-.0148	-.2701	116765.	9.4	132.6	14.16	5.322	132.6	705.6	.000
8800.0	884.8	797.2	-.0143	-.2664	116008.	9.4	131.7	14.06	5.322	131.7	701.0	.000
8700.0	884.8	797.1	-.0139	-.2628	115246.	9.4	130.9	13.96	5.321	130.9	696.3	.000
8600.0	884.7	797.1	-.0135	-.2592	114479.	9.4	130.0	13.86	5.321	130.0	691.6	.000
8500.0	884.6	797.0	-.0132	-.2557	113707.	9.4	129.1	13.77	5.320	129.1	686.9	.000
8400.0	884.6	797.0	-.0128	-.2521	112930.	9.4	128.2	13.67	5.319	128.2	682.1	.000
8300.0	884.5	796.9	-.0125	-.2486	112148.	9.4	127.3	13.57	5.319	127.3	677.4	.000
8200.0	884.4	796.9	-.0121	-.2451	111358.	9.4	126.5	13.47	5.318	126.5	672.5	.000
8100.0	884.4	796.8	-.0118	-.2416	110564.	9.4	125.6	13.37	5.318	125.6	667.7	.000
8000.0	884.3	796.8	-.0114	-.2381	109764.	9.4	124.6	13.27	5.317	124.6	662.8	.000
7900.0	884.2	796.7	-.0111	-.2346	108958.	9.4	123.7	13.17	5.316	123.7	657.9	.000
7800.0	884.2	796.7	-.0108	-.2312	108146.	9.4	122.8	13.07	5.316	122.8	652.9	.000
7700.0	884.1	796.6	-.0104	-.2278	107328.	9.4	121.9	12.97	5.315	121.9	647.9	.000
7600.0	884.0	796.6	-.0102	-.2243	106504.	9.4	121.0	12.86	5.315	121.0	642.9	.000
7500.0	884.0	796.5	-.0099	-.2209	105673.	9.4	120.0	12.76	5.314	120.0	637.8	.000
7400.0	883.9	796.5	-.0096	-.2175	104835.	9.4	119.1	12.66	5.313	119.1	632.7	.000
7300.0	883.8	796.4	-.0093	-.2142	103990.	9.4	118.1	12.55	5.313	118.1	627.5	.000
7200.0	883.7	796.4	-.0090	-.2108	103140.	9.4	117.2	12.44	5.312	117.2	622.3	.000
7100.0	883.7	796.3	-.0087	-.2075	102282.	9.4	116.2	12.34	5.312	116.2	617.1	.000
7000.0	883.6	796.3	-.0084	-.2041	101417.	9.4	115.2	12.23	5.312	115.2	611.8	.000
6900.0	883.5	796.2	-.0082	-.2008	100544.	9.4	114.3	12.12	5.311	114.3	606.5	.000
6800.0	883.5	796.2	-.0079	-.1975	99663.	9.4	113.3	12.01	5.310	113.3	601.1	.000
6700.0	883.4	796.1	-.0076	-.1942	98774.	9.4	112.3	11.90	5.310	112.3	595.7	.000
6600.0	883.3	796.1	-.0074	-.1909	97878.	9.4	111.2	11.79	5.309	111.2	590.1	.000
6500.0	883.3	796.1	-.0071	-.1876	96973.	9.4	110.2	11.68	5.309	110.2	584.7	.000
6400.0	883.2	796.0	-.0069	-.1843	96059.	9.4	109.1	11.57	5.308	109.1	579.2	.000
6300.0	883.1	796.0	-.0067	-.1810	95137.	9.4	108.1	11.45	5.307	108.1	573.6	.000
6200.0	883.1	795.9	-.0064	-.1778	94206.	9.4	107.0	11.34	5.307	107.0	568.0	.000
6100.0	883.0	795.9	-.0062	-.1745	93265.	9.4	105.9	11.22	5.306	105.9	562.2	.000
6000.0	882.9	795.8	-.0060	-.1712	92315.	9.4	104.9	11.10	5.306	104.9	556.4	.000
5900.0	882.8	795.8	-.0058	-.1680	91355.	9.4	103.8	10.98	5.305	103.8	550.5	.000
5800.0	882.8	795.7	-.0055	-.1648	90385.	9.5	102.7	10.86	5.305	102.7	544.5	.000
5700.0	882.7	795.7	-.0053	-.1615	89404.	9.5	101.6	10.74	5.304	101.6	538.5	.000
5600.0	882.6	795.6	-.0051	-.1583	88412.	9.5	100.4	10.62	5.303	100.4	532.3	.000
5500.0	882.6	795.5	-.0049	-.1550	87409.	9.5	99.3	10.50	5.303	99.3	526.0	.000
5400.0	882.5	795.5	-.0047	-.1518	86394.	9.5	98.2	10.37	5.302	98.2	519.7	.000
5300.0	882.4	795.4	-.0045	-.1486	85367.	9.5	97.0	10.25	5.302	97.0	513.2	.000
5200.0	882.4	795.4	-.0044	-.1454	84327.	9.5	95.8	10.12	5.301	95.8	506.6	.000
5100.0	882.3	795.4	-.0042	-.1421	83275.	9.5	94.6	9.99	5.300	94.6	501.4	.000
5000.0	882.2	795.3	-.0040	-.1389	82209.	9.5	93.4	9.86	5.300	93.4	495.0	.000
4900.0	882.1	795.3	-.0038	-.1357	81129.	9.5	92.2	9.73	5.299	92.2	488.5	.000
4800.0	882.1	795.2	-.0036	-.1324	80035.	9.5	90.9	9.59	5.299	90.9	481.9	.000
4700.0	882.0	795.2	-.0035	-.1292	78925.	9.5	89.7	9.46	5.298	89.7	475.1	.000
4600.0	881.9	795.1	-.0033	-.1260	77799.	9.5	88.4	9.32	5.298	88.4	468.3	.000
4500.0	881.9	795.1	-.0032	-.1227	76657.	9.5	87.1	9.18	5.297	87.1	461.4	.000
4400.0	881.8	795.0	-.0030	-.1195	75497.	9.5	85.8	9.04	5.296	85.8	454.4	.000
4300.0	881.7	795.0	-.0029	-.1163	74320.	9.5	84.5	8.90	5.296	84.5	447.2	.000
4200.0	881.7	794.9	-.0027	-.1130	73123.	9.5	83.1	8.75	5.295	83.1	440.0	.000
4100.0	881.6	794.9	-.0026	-.1097	71907.	9.5	81.7	8.60	5.295	81.9	432.6	.000
4000.0	881.5	794.8	-.0024	-.1064	70669.	9.5	80.3	8.45	5.294	80.3	425.2	.000
3900.0	881.4	794.8	-.0023	-.1031	69409.	9.5	78.9	8.30	5.293	78.9	417.5	.000
3800.0	881.4	794.7	-.0022	-.0998	68126.	9.5	77.4	8.15	5.293	77.4	409.8	.000
3700.0	881.3	794.7	-.0020	-.0965	66819.	9.5	75.9	7.99	5.292	75.9	401.9	.000
3600.0	881.2	794.6	-.0019	-.0931	65485.	9.5	74.4	7.83	5.292	74.4	393.8	.000
3500.0	881.2	794.6	-.0018	-.0898	64123.	9.5	72.9	7.66	5.291	72.9	385.6	.000
3400.0	881.1	794.5	-.0017	-.0864	62732.	9.5	71.3	7.49	5.290	71.3	377.2	.000
3300.0	881.0	794.5	-.0016	-.0830	61310.	9.5	69.7	7.32	5.289	68.7	368.6	.000
3200.0	881.0	794.5	-.0014	-.0796	59853.	9.5	68.0	7.14	5.289	68.0	359.8	.000
3100.0	880.9	794.4	-.0013	-.0762	58360.	9.5	66.3	6.96	5.288	66.3	350.8	.000
3000.0	880.8	794.4	-.0012	-.0727	56828.	9.5	64.6	6.78	5.288	64.6	341.6	.000
2900.0	880.7	794.3	-.0011	-.0692	55253.	9.5	62.8	6.59	5.287	62.9	332.1	.000
2800.0	880.7	794.3	-.0010	-.0657	53632.	9.5	61.0	6.40	5.287	61.0	322.3	.000
2700.0	880.6	794.2	-.0010	-.0621	51960.	9.5	59.1	6.19	5.286	59.1	312.2	.000
2600.0	880.5	794.2	-.0009	-.0585	50233.	9.5	57.1	5.99	5.286	57.1	301.8	.000
2500.0	880.5	794.1	-.0008	-.0549	48444.	9.5	55.1	5.77	5.285	55.1	291.0	.000
2400.0	880.4	794.1	-.0007	-.0512	46587.	9.5	53.0	5.55	5.285	53.0	279.9	.000
2300.0	880.3	794.0	-.0006	-.0475	44652.	9.5	50.8	5.32	5.284	50.8	268.2	.000
2200.0	880.2	794.0	-.0005	-.0437	42629.	9.6	48.5	5.07	5.283	48.5	256.0	.000
2100.0	880.2	793.9	-.0005	-.0399	40506.	9.6	46.0	4.82	5.283	46.0	243.3	.000

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 480 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
2000.0	480.1	793.9	-.0004	-.0360	38265.	9.6	43.5	4.55	5.282	43.5	279.8	.000
1900.0	480.0	793.8	-.0003	-.0320	35883.	9.6	40.8	4.27	5.282	40.8	215.5	.000
1800.0	480.0	793.8	-.0303	-.0279	33333.	9.6	37.9	3.96	5.281	37.9	200.1	.000
1700.0	479.9	793.7	-.0002	-.0238	30570.	9.6	34.8	3.63	5.280	34.8	183.5	.000
1600.0	479.8	793.7	-.0002	-.0196	27531.	9.6	31.3	3.27	5.280	31.3	165.3	.000
1500.0	479.7	793.6	-.0301	-.0152	24112.	9.6	27.4	2.87	5.279	27.4	144.7	.000
1400.0	479.7	793.6	-.0001	-.0108	20120.	9.6	22.9	2.39	5.279	22.9	120.7	.000
1300.0	479.6	793.5	-.0300	-.0062	15399.	13.5	17.5	1.84	5.202	18.0	109.5	.273
1200.0	479.5	793.5	-.0500	-.0014	10468.	14.1	35.7	2.54	5.422	34.9	203.2	.027

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 470 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XE
22120.0	883.1	847.6	********	*********	189657.	10.9	217.5	19.93	5.016	217.5	1091.1	.000
22100.0	883.1	847.6	-4.0035	-11.9273	189565.	10.9	217.4	19.92	5.016	217.4	1090.6	.000
22000.0	883.0	847.5	-1.4566	-4.7946	189107.	10.9	216.9	19.87	5.014	216.9	1087.8	.000
21900.0	882.9	847.5	-1.0791	-3.5440	188647.	10.9	216.4	19.82	5.013	216.4	1085.3	.000
21800.0	882.9	847.4	-.8275	-2.7066	188186.	10.9	216.3	19.81	5.014	216.3	1084.7	.000
21700.0	882.8	847.4	-.7045	-2.6703	187725.	10.9	215.8	19.76	5.014	215.8	1082.3	.000
21600.0	882.7	847.4	-.6104	-2.4012	187262.	10.9	214.8	19.66	5.013	214.8	1076.8	.000
21500.0	882.7	847.3	-.5559	-2.2136	186797.	10.9	214.3	19.60	5.013	214.3	1074.1	.000
21400.0	882.6	847.3	-.5061	-2.0653	186332.	10.9	213.7	19.55	5.012	213.7	1071.1	.000
21300.0	882.5	847.2	-.4654	-1.9439	185866.	10.9	213.2	19.49	5.011	213.2	1068.5	.000
21200.0	882.5	847.2	-.4320	-1.8418	185398.	10.9	212.7	19.44	5.011	212.7	1065.7	.000
21100.0	882.4	847.1	-.4033	-1.7542	184929.	10.9	212.1	19.39	5.008	212.1	1062.9	.000
21000.0	882.3	847.1	-.3785	-1.6777	184459.	10.9	211.6	19.33	5.010	211.6	1060.1	.000
20900.0	882.2	847.0	-.3568	-1.6102	183987.	10.9	211.1	19.28	5.009	211.1	1057.3	.000
20800.0	882.2	847.0	-.3375	-1.5498	183515.	11.0	210.5	19.22	5.008	210.5	1054.4	.000
20700.0	882.1	846.9	-.3203	-1.4953	183041.	11.0	210.0	19.17	5.009	210.0	1051.7	.000
20600.0	882.0	846.9	-.3047	-1.4457	182566.	11.0	209.4	19.11	5.008	209.4	1048.9	.000
20500.0	882.0	846.8	-.2905	-1.4003	182090.	11.0	208.9	19.06	5.007	208.9	1046.1	.000
20400.0	881.9	846.8	-.2776	-1.3584	181612.	11.0	208.4	19.00	5.007	208.4	1043.2	.000
20300.0	881.8	846.7	-.2659	-1.3197	181134.	11.0	207.8	18.95	5.006	207.8	1040.4	.000
20200.0	881.8	846.7	-.2548	-1.2836	180653.	11.0	207.3	18.89	5.006	207.3	1037.5	.000
20100.0	881.7	846.6	-.2446	-1.2499	180172.	11.0	206.9	18.84	5.005	206.9	1034.9	.000
20000.0	881.6	846.6	-.2351	-1.2182	179689.	11.0	206.2	18.78	5.005	206.2	1031.8	.000
19900.0	881.6	846.5	-.2263	-1.1884	179205.	11.0	205.6	18.73	5.004	205.6	1029.0	.000
19800.0	881.5	846.5	-.2180	-1.1603	178720.	11.0	205.1	18.67	5.004	205.1	1026.1	.000
19700.0	881.4	846.4	-.2102	-1.1336	178234.	11.0	204.5	18.62	5.003	204.5	1023.3	.000
19600.0	881.4	846.4	-.2029	-1.1084	177746.	11.0	204.0	18.56	5.003	204.0	1020.3	.000
19500.0	881.3	846.3	-.1960	-1.0843	177256.	11.0	203.4	18.51	5.002	203.4	1017.4	.000
19400.0	881.2	846.3	-.1894	-1.0614	176766.	11.0	202.8	18.45	5.002	202.8	1014.5	.000
19300.0	881.2	846.2	-.1833	-1.0395	176273.	11.0	202.3	18.39	5.001	202.3	1011.6	.000
19200.0	881.1	846.2	-.1774	-1.0185	175780.	11.0	201.7	18.34	5.000	201.7	1008.7	.000
19100.0	881.0	846.2	-.1718	-.9984	175285.	11.0	201.1	18.28	5.000	201.1	1005.7	.000
19000.0	881.0	846.1	-.1665	-.9792	174789.	11.0	200.6	18.23	4.999	200.6	1002.8	.000
18900.0	880.9	846.1	-.1614	-.9609	174291.	11.0	200.0	18.17	4.999	200.0	999.9	.000
18800.0	880.8	846.0	-.1565	-.9429	173792.	11.0	199.4	18.11	4.998	199.4	996.9	.000
18700.0	880.8	846.0	-.1519	-.9257	173291.	11.0	198.9	18.05	4.997	198.9	993.9	.000
18600.0	880.7	845.9	-.1475	-.9092	172789.	11.0	198.3	18.00	4.997	198.3	991.0	.000
18500.0	880.6	845.9	-.1432	-.8932	172286.	11.0	197.7	17.94	4.997	197.7	988.0	.000
18400.0	880.5	845.8	-.1392	-.8778	171781.	11.0	197.2	17.88	4.996	197.2	985.0	.000
18300.0	880.5	845.8	-.1353	-.8629	171274.	11.0	196.6	17.83	4.996	196.6	982.0	.000
18200.0	880.4	845.7	-.1315	-.8485	170765.	11.0	196.0	17.77	4.995	196.0	979.0	.000
18100.0	880.3	845.7	-.1279	-.8346	170257.	11.0	195.4	17.71	4.995	195.4	976.0	.000
18000.0	880.3	845.6	-.1244	-.8211	169745.	11.0	194.8	17.65	4.994	194.8	973.0	.000
17900.0	880.2	845.6	-.1211	-.8080	169233.	11.0	194.2	17.60	4.993	194.2	970.0	.000
17800.0	880.1	845.5	-.1178	-.7953	168719.	11.0	193.7	17.54	4.993	193.7	966.9	.000
17700.0	880.1	845.5	-.1147	-.7829	168203.	11.0	193.1	17.48	4.992	193.1	963.9	.000
17600.0	880.0	845.4	-.1118	-.7709	167685.	11.0	192.5	17.42	4.992	192.5	960.8	.000
17500.0	879.9	845.4	-.1089	-.7593	167166.	11.1	191.9	17.36	4.991	191.9	957.8	.000
17400.0	879.9	845.3	-.1061	-.7480	166646.	11.1	191.3	17.30	4.991	191.3	954.7	.000
17300.0	879.8	845.3	-.1034	-.7370	166123.	11.1	190.7	17.25	4.990	190.7	951.6	.000
17200.0	879.7	845.3	-.1008	-.7263	165599.	11.1	190.1	17.19	4.990	190.1	948.5	.000
17100.0	879.7	845.2	-.0983	-.7158	165074.	11.1	189.5	17.13	4.989	189.5	945.5	.000
17000.0	879.6	845.2	-.0958	-.7056	164546.	11.1	188.9	17.07	4.989	188.9	942.3	.000
16900.0	879.5	845.1	-.0935	-.6957	164017.	11.1	188.3	17.01	4.988	188.3	939.2	.000
16800.0	879.4	845.1	-.0911	-.6861	163486.	11.1	187.7	16.95	4.987	187.7	936.1	.000
16700.0	879.4	845.0	-.0890	-.6766	162954.	11.1	187.1	16.89	4.987	187.1	933.0	.000
16600.0	879.3	845.0	-.0869	-.6674	162420.	11.1	186.5	16.83	4.986	186.5	929.8	.000
16500.0	879.2	844.9	-.0848	-.6587	161884.	11.1	185.9	16.77	4.986	185.9	926.7	.000
16400.0	879.2	844.9	-.0828	-.6499	161346.	11.1	185.2	16.71	4.985	185.2	923.5	.000
16300.0	879.1	844.8	-.0809	-.6413	160806.	11.1	184.6	16.65	4.985	184.6	920.3	.000
16200.0	879.0	844.8	-.0790	-.6329	160265.	11.1	184.0	16.59	4.984	184.0	917.2	.000
16100.0	879.0	844.7	-.0772	-.6246	159721.	11.1	183.4	16.53	4.984	183.4	914.0	.000
16000.0	878.9	844.7	-.0754	-.6165	159176.	11.1	182.8	16.47	4.983	182.8	910.8	.000
15900.0	878.8	844.6	-.0736	-.6085	158629.	11.1	182.1	16.41	4.983	182.1	907.6	.000
15800.0	878.8	844.6	-.0719	-.6007	158080.	11.1	181.5	16.35	4.982	181.5	904.3	.000
15700.0	878.7	844.5	-.0703	-.5930	157529.	11.1	180.9	16.29	4.981	180.9	901.1	.000
15600.0	878.6	844.5	-.0687	-.5855	156976.	11.1	180.3	16.22	4.981	180.3	897.9	.000
15500.0	878.5	844.5	-.0671	-.5781	156421.	11.1	179.6	16.16	4.980	179.6	894.6	.000
15400.0	878.5	844.4	-.0656	-.5709	155864.	11.1	179.0	16.10	4.980	179.0	891.3	.000
15300.0	878.4	844.4	-.0641	-.5637	155306.	11.1	178.4	16.04	4.979	178.4	888.1	.000
15200.0	878.3	844.3	-.0626	-.5567	154745.	11.1	177.7	15.98	4.979	177.7	884.8	.000
15100.0	878.3	844.3	-.0612	-.5498	154182.	11.1	177.1	15.91	4.978	177.1	881.5	.000
15000.0	878.2	844.2	-.0598	-.5431	153617.	11.1	176.4	15.85	4.978	176.4	878.2	.000
14900.0	878.1	844.2	-.0585	-.5364	153050.	11.1	175.8	15.79	4.977	175.8	874.8	.000
14800.0	878.1	844.1	-.0571	-.5298	152480.	11.1	175.1	15.73	4.977	175.1	871.5	.000
14700.0	878.0	844.1	-.0558	-.5233	151909.	11.1	174.5	15.66	4.976	174.5	868.2	.000
14600.0	877.9	844.0	-.0546	-.5170	151336.	11.1	173.8	15.60	4.975	173.8	864.8	.000
14500.0	877.8	844.0	-.0534	-.5107	150760.	11.1	173.2	15.54	4.975	173.2	861.4	.000
14400.0	877.8	843.9	-.0522	-.5045	150182.	11.1	172.5	15.47	4.974	172.5	858.1	.000
14300.0	877.7	843.9	-.0510	-.4984	149602.	11.2	171.8	15.41	4.974	171.8	854.7	.000
14200.0	877.6	843.9	-.0499	-.4924	149019.	11.2	171.2	15.35	4.973	171.2	851.3	.000
14100.0	877.6	843.8	-.0487	-.4865	148434.	11.2	170.5	15.28	4.973	170.5	847.8	.000
14000.0	877.5	843.8	-.0477	-.4807	147847.	11.2	169.8	15.22	4.972	169.8	844.4	.000
13900.0	877.4	843.7	-.0466	-.4749	147258.	11.2	169.2	15.15	4.972	169.2	840.9	.000
13800.0	877.4	843.7	-.0455	-.4692	146666.	11.2	168.5	15.09	4.971	168.5	837.5	.000
13700.0	877.3	843.6	-.0445	-.4636	146072.	11.2	167.8	15.02	4.970	167.8	834.0	.000
13600.0	877.2	843.6	-.0435	-.4581	145475.	11.2	167.1	14.96	4.970	167.1	830.6	.000
13500.0	877.1	843.5	-.0426	-.4526	144876.	11.2	166.4	14.89	4.969	166.4	827.1	.000
13400.0	877.1	843.5	-.0416	-.4472	144274.	11.2	165.7	14.83	4.969	165.7	823.6	.000
13300.0	877.0	843.4	-.0407	-.4419	143670.	11.2	165.1	14.76	4.968	165.1	820.0	.000
13200.0	876.9	843.4	-.0398	-.4366	143063.	11.2	164.4	14.69	4.968	164.4	816.5	.000
13100.0	876.9	843.3	-.0389	-.4315	142453.	11.2	163.7	14.63	4.967	163.7	812.9	.000
13000.0	876.8	843.3	-.0380	-.4263	141841.	11.2	163.0	14.56	4.967	163.0	809.4	.000
12900.0	876.7	843.3	-.0371	-.4212	141227.	11.2	162.3	14.49	4.966	162.3	805.8	.000
12800.0	876.7	843.2	-.0363	-.4163	140609.	11.2	161.6	14.43	4.965	161.6	802.2	.000
12700.0	876.6	843.2	-.0355	-.4113	139989.	11.2	160.8	14.36	4.965	160.8	798.6	.000
12600.0	876.5	843.1	-.0347	-.4063	139366.	11.2	160.1	14.29	4.964	160.1	795.0	.000
12500.0	876.4	843.1	-.0339	-.4015	138741.	11.2	159.4	14.22	4.964	159.4	791.3	.000
12400.0	876.4	843.0	-.0331	-.3967	138113.	11.2	158.7	14.15	4.963	158.7	787.5	.000
12300.0	876.3	843.0	-.0324	-.3919	137483.	11.2	158.0	14.09	4.963	158.0	784.0	.000
12200.0	876.2	842.9	-.0316	-.3872	136849.	11.2	157.2	14.02	4.962	157.2	780.1	.000
12100.0	876.2	842.9	-.0309	-.3826	136209.	11.2	156.5	13.95	4.962	156.5	776.2	.000

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 470 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
12000.0	876.1	842.8	-.0302	-.3780	135368.	11.2	155.8	13.88	4.961	155.8	772.9	.000
11900.0	876.0	842.8	-.0298	-.3734	134935.	11.2	155.3	13.81	4.961	155.1	769.1	.000
11800.0	875.9	842.7	-.0288	-.3649	134278.	11.2	154.5	13.74	4.960	154.3	765.4	.000
11700.0	875.9	842.7	-.0282	-.3644	133629.	11.2	153.6	13.67	4.959	153.6	761.6	.000
11600.0	875.8	842.7	-.0275	-.3600	132976.	11.2	152.8	13.60	4.959	152.8	757.8	.000
11500.0	875.7	842.6	-.0269	-.3556	132320.	11.2	152.1	13.53	4.958	152.1	754.0	.000
11400.0	875.7	842.6	-.0262	-.3513	131660.	11.2	151.3	13.46	4.958	151.3	750.2	.000
11300.0	875.6	842.5	-.0256	-.3470	130997.	11.2	150.6	13.39	4.957	150.6	746.3	.000
11200.0	875.5	842.5	-.0250	-.3427	130331.	11.3	149.8	13.31	4.957	149.8	742.5	.000
11100.0	875.4	842.4	-.0244	-.3385	129662.	11.3	149.0	13.24	4.956	149.0	738.6	.000
11000.0	875.4	842.4	-.0239	-.3343	128989.	11.3	148.3	13.17	4.956	148.3	734.7	.000
10900.0	875.3	842.3	-.0233	-.3301	128312.	11.3	147.5	13.10	4.955	147.5	730.8	.000
10800.0	875.2	842.3	-.0227	-.3260	127632.	11.3	146.7	13.02	4.954	146.7	726.8	.000
10700.0	875.2	842.2	-.0222	-.3219	126948.	11.3	145.9	12.95	4.954	145.9	722.9	.000
10600.0	875.1	842.2	-.0216	-.3178	126260.	11.3	145.1	12.88	4.953	145.1	718.9	.000
10500.0	875.0	842.2	-.0211	-.3138	125569.	11.3	144.3	12.80	4.953	144.3	714.9	.000
10400.0	874.9	842.1	-.0205	-.3098	124874.	11.3	143.5	12.73	4.952	143.5	710.9	.000
10300.0	874.9	842.1	-.0200	-.3059	124175.	11.3	142.7	12.65	4.952	142.7	706.8	.000
10200.0	874.8	842.0	-.0196	-.3019	123471.	11.3	141.9	12.58	4.951	141.9	702.7	.000
10100.0	874.7	842.0	-.0191	-.2980	122764.	11.3	141.1	12.50	4.950	141.1	698.6	.000
10000.0	874.7	841.9	-.0186	-.2942	122053.	11.3	140.3	12.43	4.950	140.3	694.5	.000
9900.0	874.6	841.9	-.0181	-.2903	121338.	11.3	139.5	12.35	4.949	139.5	690.4	.000
9800.0	874.5	841.8	-.0177	-.2865	120618.	11.3	138.7	12.28	4.949	138.7	686.2	.000
9700.0	874.4	841.8	-.0173	-.2827	119894.	11.3	137.8	12.20	4.948	137.8	682.1	.000
9600.0	874.4	841.7	-.0168	-.2790	119165.	11.3	137.0	12.12	4.948	137.0	677.9	.000
9500.0	874.3	841.7	-.0164	-.2752	118432.	11.3	136.2	12.04	4.947	136.2	673.6	.000
9400.0	874.2	841.7	-.0160	-.2715	117695.	11.3	135.3	11.97	4.947	135.3	669.4	.000
9300.0	874.1	841.6	-.0155	-.2678	116952.	11.3	134.5	11.89	4.946	134.5	665.1	.000
9200.0	874.1	841.6	-.0151	-.2641	116205.	11.3	133.6	11.81	4.945	133.6	660.8	.000
9100.0	874.0	841.5	-.0147	-.2605	115454.	11.3	132.8	11.73	4.945	132.8	656.4	.000
9000.0	873.9	841.5	-.0143	-.2569	114697.	11.3	131.9	11.65	4.944	131.9	652.1	.000
8900.0	873.9	841.4	-.0140	-.2533	113935.	11.3	131.0	11.57	4.944	131.0	647.7	.000
8800.0	873.8	841.4	-.0136	-.2497	113168.	11.3	130.1	11.49	4.943	130.1	643.3	.000
8700.0	873.7	841.3	-.0132	-.2461	112396.	11.3	129.3	11.41	4.943	129.2	638.8	.000
8600.0	873.6	841.3	-.0128	-.2426	111618.	11.3	128.4	11.32	4.942	128.4	634.3	.000
8500.0	873.6	841.3	-.0125	-.2391	110835.	11.3	127.5	11.24	4.941	127.5	629.8	.000
8400.0	873.5	841.2	-.0121	-.2356	110046.	11.3	126.6	11.15	4.941	126.6	625.3	.000
8300.0	873.4	841.2	-.0118	-.2321	109252.	11.3	125.7	11.07	4.940	125.7	620.7	.000
8200.0	873.3	841.1	-.0114	-.2286	108452.	11.3	124.7	10.99	4.940	124.7	616.1	.000
8100.0	873.3	841.1	-.0111	-.2252	107645.	11.4	123.8	10.91	4.939	123.8	611.5	.000
8000.0	873.2	841.0	-.0108	-.2218	106833.	11.4	122.9	10.82	4.939	122.9	606.8	.000
7900.0	873.1	841.0	-.0105	-.2184	106014.	11.4	121.9	10.73	4.938	121.9	602.1	.000
7800.0	873.1	840.9	-.0102	-.2150	105190.	11.4	121.0	10.65	4.938	121.0	597.3	.000
7700.0	873.0	840.9	-.0099	-.2116	104358.	11.4	120.0	10.56	4.937	120.0	592.6	.000
7600.0	872.9	840.9	-.0096	-.2082	103520.	11.4	119.1	10.47	4.936	119.1	587.8	.000
7500.0	872.8	840.8	-.0093	-.2049	102675.	11.4	118.1	10.38	4.936	118.1	582.9	.000
7400.0	872.8	840.8	-.0090	-.2015	101823.	11.4	117.1	10.30	4.935	117.1	578.0	.000
7300.0	872.7	840.7	-.0087	-.1982	100963.	11.4	116.1	10.21	4.935	116.1	573.1	.000
7200.0	872.6	840.7	-.0084	-.1949	100097.	11.4	115.1	10.12	4.934	115.1	568.1	.000
7100.0	872.5	840.6	-.0081	-.1916	99222.	11.4	114.1	10.02	4.934	114.1	563.1	.000
7000.0	872.5	840.6	-.0079	-.1883	98340.	11.4	113.1	9.93	4.933	113.1	558.0	.000
6900.0	872.4	840.5	-.0076	-.1850	97450.	11.4	112.1	9.84	4.932	112.1	552.9	.000
6800.0	872.3	840.4	-.0074	-.1819	96553.	11.4	111.1	9.75	4.932	111.1	547.8	.000
6700.0	872.2	840.5	-.0071	-.1785	95648.	11.4	110.0	9.66	4.931	110.0	542.6	.000
6600.0	872.2	840.4	-.0069	-.1752	94729.	11.4	109.0	9.56	4.931	109.0	537.3	.000
6500.0	872.1	840.4	-.0066	-.1720	93805.	11.4	107.9	9.46	4.930	107.9	532.0	.000
6400.0	872.0	840.3	-.0064	-.1687	92871.	11.4	106.8	9.37	4.929	106.8	526.7	.000
6300.0	871.9	840.3	-.0062	-.1655	91928.	11.4	105.8	9.27	4.929	105.8	521.3	.000
6200.0	871.9	840.2	-.0059	-.1623	90975.	11.4	104.7	9.17	4.928	104.7	515.8	.000
6100.0	871.8	840.2	-.0057	-.1591	90012.	11.4	103.6	9.07	4.928	103.6	510.3	.000
6000.0	871.7	840.1	-.0055	-.1559	89038.	11.4	102.4	8.97	4.927	102.4	504.8	.000
5900.0	871.7	840.1	-.0053	-.1527	88054.	11.4	101.3	8.87	4.927	101.3	499.1	.000
5800.0	871.6	840.1	-.0051	-.1495	87059.	11.4	100.2	8.76	4.926	100.2	493.5	.000
5700.0	871.5	840.0	-.0049	-.1463	86053.	11.4	99.0	8.66	4.926	99.0	487.7	.000
5600.0	871.4	840.0	-.0047	-.1431	85032.	11.4	97.8	8.56	4.925	97.8	481.9	.000
5500.0	871.4	839.9	-.0045	-.1399	84001.	11.4	96.7	8.45	4.924	96.7	476.0	.000
5400.0	871.3	839.9	-.0043	-.1367	82954.	11.4	95.5	8.34	4.924	95.5	470.0	.000
5300.0	871.3	839.8	-.0041	-.1335	81899.	11.4	94.2	8.23	4.923	94.2	463.9	.000
5200.0	871.2	839.8	-.0040	-.1303	80828.	11.4	93.0	8.12	4.923	93.0	457.9	.000
5100.0	871.1	839.8	-.0038	-.1272	79742.	11.4	91.8	8.01	4.922	91.8	451.7	.000
5000.0	871.0	839.7	-.0036	-.1240	78641.	11.5	90.5	7.90	4.922	90.5	445.6	.000
4900.0	870.9	839.7	-.0034	-.1208	77524.	11.5	89.2	7.79	4.921	89.2	439.0	.000
4800.0	870.8	839.6	-.0033	-.1176	76391.	11.5	87.9	7.67	4.920	87.9	432.6	.000
4700.0	870.8	839.5	-.0031	-.1144	75241.	11.5	86.6	7.55	4.919	86.6	426.0	.000
4600.0	870.7	839.5	-.0030	-.1112	74073.	11.5	85.3	7.43	4.919	85.3	419.4	.000
4500.0	870.6	839.5	-.0028	-.1080	72887.	11.5	83.9	7.31	4.919	83.9	412.6	.000
4400.0	870.5	839.5	-.0027	-.1048	71680.	11.5	82.5	7.19	4.918	82.5	405.7	.000
4300.0	870.5	839.4	-.0025	-.1016	70453.	11.5	81.1	7.06	4.918	81.1	398.8	.000
4200.0	870.4	839.4	-.0024	-.0984	69204.	11.5	79.7	6.94	4.917	79.7	391.7	.000
4100.0	870.3	839.3	-.0023	-.0951	67933.	11.5	78.2	6.81	4.916	78.2	384.4	.000
4000.0	870.2	839.3	-.0021	-.0919	66637.	11.5	76.7	6.68	4.915	76.7	377.1	.000
3900.0	870.2	839.2	-.0020	-.0887	65315.	11.5	75.2	6.54	4.915	75.2	369.5	.000
3800.0	870.1	839.2	-.0019	-.0854	63966.	11.5	73.6	6.40	4.915	73.6	361.9	.000
3700.0	870.0	839.1	-.0018	-.0821	62587.	11.5	72.0	6.25	4.914	72.0	354.0	.000
3600.0	869.9	839.1	-.0016	-.0788	61178.	11.5	70.4	6.12	4.914	70.4	346.0	.000
3500.0	869.9	839.1	-.0015	-.0755	59735.	11.5	68.8	5.98	4.913	68.8	337.8	.000
3400.0	869.8	839.0	-.0014	-.0722	58257.	11.5	67.1	5.83	4.912	67.1	329.4	.000
3300.0	869.7	838.9	-.0013	-.0688	56740.	11.5	65.3	5.67	4.912	65.3	320.8	.000
3200.0	869.6	838.9	-.0012	-.0655	55181.	11.5	63.5	5.52	4.911	63.5	312.0	.000
3100.0	869.6	838.9	-.0011	-.0621	53577.	11.5	61.7	5.35	4.911	61.7	302.9	.000
3000.0	869.5	838.8	-.0010	-.0587	51923.	11.5	59.8	5.19	4.910	59.8	293.5	.000
2900.0	869.4	838.8	-.0009	-.0552	50219.	11.5	57.8	5.01	4.909	57.8	283.8	.000
2800.0	869.3	838.8	-.0008	-.0517	48447.	11.5	55.8	4.84	4.909	55.8	273.8	.000
2700.0	869.3	838.7	-.0007	-.0482	46611.	11.5	53.7	4.65	4.908	53.7	263.4	.000
2600.0	869.2	838.7	-.0007	-.0447	44701.	11.5	51.5	4.46	4.908	51.5	252.6	.000
2500.0	869.1	838.6	-.0006	-.0411	42704.	11.5	49.2	4.25	4.907	49.2	241.3	.000
2400.0	869.0	838.6	-.0005	-.0375	40610.	11.5	46.8	4.05	4.907	46.8	229.4	.000
2300.0	869.0	838.5	-.0004	-.0338	38401.	11.5	44.2	3.83	4.906	44.2	216.9	.000
2200.0	868.9	838.5	-.0004	-.0301	36058.	11.5	41.5	3.59	4.905	41.5	203.7	.000
2100.0	868.8	838.5	-.0003	-.0263	33551.	11.6	38.6	3.34	4.904	38.6	189.5	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 470 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	EF
2000.0	868.7	838.4	-.0003	-.0224	30841.	11.6	35.5	3.07	4.904	35.5	174.2	.000
1900.0	868.7	838.4	-.0002	-.0185	27868.	11.6	32.1	2.78	4.904	32.1	157.4	.000
1800.0	868.6	838.3	-.0002	-.0145	24538.	11.6	28.3	2.44	4.903	28.3	138.5	.000
1700.0	868.5	838.3	-.0001	-.0104	20678.	11.6	23.8	2.06	4.903	23.8	116.7	.000
1600.0	868.4	838.3	-.0001	-.0062	19299.	19.7	37.6	2.39	5.331	36.9	196.5	.025
1500.0	868.3	838.2	-.0000	-.0020	18435.	16.5	39.5	2.39	5.426	38.6	209.2	.030

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 460 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHF M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XE
22120.0	872.1	891.6	*******	********	186984.	13.1	217.3	16.63	4.674	217.3	1015.4	.000
22100.0	872.1	891.6	-3.9716	-11.6851	186992.	13.1	217.2	16.62	4.674	217.2	1014.9	.000
22000.0	872.0	891.5	-1.4431	-4.6909	186433.	13.1	216.6	16.58	4.673	216.6	1012.3	.000
21900.0	871.9	891.5	-1.0148	-3.4039	185973.	13.1	216.1	16.53	4.672	216.1	1009.7	.000
21800.0	871.9	891.5	-.8148	-2.9377	185510.	13.1	215.6	16.49	4.671	215.6	1007.4	.000
21700.0	871.9	891.4	-.6927	-2.6883	185043.	13.1	215.0	16.44	4.671	215.0	1004.9	.000
21600.0	871.9	891.4	-.6123	-2.5440	184581.	13.1	214.5	16.39	4.671	214.5	1001.9	.000
21500.0	871.8	891.3	-.5493	-2.4091	184117.	13.1	214.0	16.35	4.670	214.0	999.3	.000
21400.0	871.6	891.2	-.4998	-2.3044	183648.	13.1	213.4	16.30	4.670	213.4	996.7	.000
21300.0	871.5	891.2	-.4598	-2.1955	183181.	13.1	212.9	16.26	4.669	212.9	994.0	.000
21200.0	871.4	891.2	-.4264	-2.1054	182714.	13.1	212.3	16.19	4.669	212.3	991.4	.000
21100.0	871.4	891.1	-.3980	-2.7094	182244.	13.1	211.8	16.14	4.668	211.8	988.8	.000
21000.0	871.3	891.1	-.3734	-1.6345	181773.	13.1	211.3	16.12	4.668	211.3	986.1	.000
20900.0	871.2	891.0	-.3519	-1.5682	181300.	13.1	210.7	16.07	4.667	210.7	983.4	.000
20800.0	871.1	891.0	-.3328	-1.5090	180824.	13.1	210.2	16.03	4.667	210.2	980.8	.000
20700.0	871.0	891.0	-.3159	-1.4568	180351.	13.1	209.6	15.98	4.666	209.6	978.1	.000
20600.0	871.0	890.9	-.3009	-1.4089	179875.	13.1	209.1	15.93	4.666	209.1	975.5	.000
20500.0	870.9	890.9	-.2863	-1.3623	179397.	13.1	208.5	15.89	4.665	208.5	972.8	.000
20400.0	870.8	890.8	-.2734	-1.3215	178918.	13.1	208.0	15.84	4.665	208.0	970.1	.000
20300.0	870.8	890.8	-.2617	-1.2838	178438.	13.1	207.4	15.79	4.664	207.4	967.4	.000
20200.0	870.7	890.8	-.2508	-1.2479	177956.	13.1	206.9	15.75	4.664	206.9	964.7	.000
20100.0	870.6	890.7	-.2407	-1.2147	177473.	13.1	206.3	15.70	4.663	206.3	962.0	.000
20000.0	870.6	890.7	-.2314	-1.1837	176989.	13.1	205.7	15.65	4.663	205.7	959.3	.000
19900.0	870.5	890.6	-.2226	-1.1544	176503.	13.2	205.2	15.61	4.662	205.2	956.6	.000
19800.0	870.4	890.6	-.2144	-1.1268	176016.	13.2	204.6	15.56	4.661	204.6	953.8	.000
19700.0	870.3	890.5	-.2067	-1.1007	175528.	13.2	204.1	15.51	4.661	204.1	951.1	.000
19600.0	870.3	890.5	-.1995	-1.0759	175038.	13.2	203.5	15.46	4.660	203.5	948.4	.000
19500.0	870.2	890.5	-.1926	-1.0523	174547.	13.2	202.9	15.42	4.660	202.9	945.6	.000
19400.0	870.1	890.4	-.1861	-1.0298	174055.	13.2	202.4	15.37	4.659	202.4	942.9	.000
19300.0	870.1	890.4	-.1800	-1.0083	173561.	13.2	201.8	15.32	4.659	201.8	940.1	.000
19200.0	870.0	890.3	-.1742	-.9877	173066.	13.2	201.2	15.27	4.658	201.2	937.3	.000
19100.0	869.9	890.3	-.1687	-.9680	172569.	13.2	200.6	15.23	4.658	200.6	934.6	.000
19000.0	869.8	890.2	-.1634	-.9491	172071.	13.2	200.1	15.18	4.657	200.1	931.8	.000
18900.0	869.8	890.2	-.1584	-.9309	171571.	13.2	199.5	15.13	4.656	199.5	929.0	.000
18800.0	869.7	890.2	-.1536	-.9134	171070.	13.2	198.9	15.08	4.656	198.9	926.2	.000
18700.0	869.6	890.1	-.1490	-.8966	170568.	13.2	198.3	15.03	4.656	198.3	923.4	.000
18600.0	869.5	890.1	-.1446	-.8804	170064.	13.2	197.8	14.98	4.655	197.8	920.6	.000
18500.0	869.5	890.0	-.1404	-.8647	169558.	13.2	197.2	14.94	4.655	197.2	917.8	.000
18400.0	869.4	890.0	-.1364	-.8496	169051.	13.2	196.6	14.89	4.654	196.6	914.9	.000
18300.0	869.3	889.9	-.1325	-.8350	168542.	13.2	196.0	14.84	4.654	196.0	912.1	.000
18200.0	869.3	889.9	-.1288	-.8209	168032.	13.2	195.4	14.79	4.653	195.4	909.2	.000
18100.0	869.2	889.9	-.1253	-.8071	167521.	13.2	194.8	14.74	4.653	194.8	906.4	.000
18000.0	869.1	889.8	-.1218	-.7939	167007.	13.2	194.2	14.69	4.652	194.2	903.5	.000
17900.0	869.0	889.8	-.1186	-.7810	166492.	13.2	193.6	14.64	4.651	193.6	900.7	.000
17800.0	869.0	889.7	-.1153	-.7685	165976.	13.2	193.0	14.59	4.651	193.0	897.8	.000
17700.0	868.9	889.7	-.1123	-.7564	165458.	13.2	192.4	14.54	4.650	192.4	894.9	.000
17600.0	868.8	889.6	-.1093	-.7446	164938.	13.2	191.8	14.50	4.650	191.8	892.0	.000
17500.0	868.7	889.6	-.1065	-.7332	164416.	13.2	191.2	14.45	4.649	191.2	889.1	.000
17400.0	868.7	889.6	-.1037	-.7221	163893.	13.2	190.6	14.40	4.649	190.6	886.2	.000
17300.0	868.6	889.5	-.1011	-.7113	163368.	13.2	190.0	14.35	4.648	190.0	883.3	.000
17200.0	868.5	889.5	-.0988	-.7007	162842.	13.2	189.4	14.30	4.648	189.4	880.3	.000
17100.0	868.5	889.4	-.0960	-.6905	162314.	13.3	188.8	14.25	4.647	188.8	877.4	.000
17000.0	868.4	889.4	-.0938	-.6805	161784.	13.3	188.2	14.20	4.647	188.2	874.3	.000
16900.0	868.3	889.3	-.0917	-.6708	161252.	13.3	187.6	14.14	4.646	187.6	871.3	.000
16800.0	868.3	889.3	-.0896	-.6613	160719.	13.3	187.0	14.09	4.646	187.0	868.3	.000
16700.0	868.2	889.3	-.0876	-.6520	160183.	13.3	186.4	14.04	4.645	186.4	865.2	.000
16600.0	868.1	889.2	-.0858	-.6430	159646.	13.3	185.7	13.99	4.645	185.7	862.0	.000
16500.0	868.0	889.2	-.0839	-.6344	159107.	13.3	185.1	13.94	4.644	185.1	858.8	.000
16400.0	867.9	889.1	-.0822	-.6258	158566.	13.3	184.5	13.89	4.643	184.5	855.6	.000
16300.0	867.9	889.1	-.0788	-.6173	158024.	13.3	183.8	13.84	4.643	183.8	853.5	.000
16200.0	867.8	889.1	-.0770	-.6090	157479.	13.3	183.2	13.79	4.642	183.2	850.6	.000
16100.0	867.7	889.0	-.0752	-.6009	156933.	13.3	182.6	13.74	4.642	182.6	847.5	.000
16000.0	867.6	889.0	-.0734	-.5929	156385.	13.3	182.0	13.68	4.641	182.0	844.5	.000
15900.0	867.6	888.9	-.0717	-.5851	155834.	13.3	181.3	13.63	4.641	181.3	841.4	.000
15800.0	867.5	888.9	-.0700	-.5774	155282.	13.3	180.7	13.58	4.640	180.7	838.4	.000
15700.0	867.4	888.8	-.0684	-.5699	154728.	13.3	180.0	13.53	4.640	180.0	835.3	.000
15600.0	867.3	888.8	-.0668	-.5625	154172.	13.3	179.4	13.48	4.639	179.4	832.2	.000
15500.0	867.3	888.8	-.0653	-.5552	153613.	13.3	178.7	13.42	4.639	178.7	829.1	.000
15400.0	867.2	888.7	-.0638	-.5481	153053.	13.3	178.1	13.37	4.638	178.1	826.0	.000
15300.0	867.1	888.7	-.0623	-.5411	152491.	13.3	177.4	13.32	4.638	177.4	822.9	.000
15200.0	867.1	888.6	-.0609	-.5342	151926.	13.3	176.8	13.27	4.637	176.8	819.8	.000
15100.0	867.0	888.6	-.0595	-.5274	151360.	13.3	176.1	13.21	4.636	176.1	816.7	.000
15000.0	866.9	888.6	-.0581	-.5207	150791.	13.3	175.5	13.16	4.636	175.5	813.5	.000
14900.0	866.8	888.5	-.0568	-.5143	150220.	13.3	174.8	13.11	4.635	174.8	810.4	.000
14800.0	866.8	888.5	-.0555	-.5077	149647.	13.3	174.2	13.05	4.635	174.2	807.2	.000
14700.0	866.7	888.4	-.0542	-.5014	149072.	13.3	173.5	13.00	4.634	173.5	804.0	.000
14600.0	866.6	888.4	-.0530	-.4951	148494.	13.4	172.8	12.95	4.634	172.8	800.8	.000
14500.0	866.5	888.3	-.0518	-.4889	147914.	13.4	172.2	12.89	4.633	172.2	797.6	.000
14400.0	866.5	888.3	-.0506	-.4829	147332.	13.4	171.5	12.84	4.633	171.5	794.4	.000
14300.0	866.4	888.3	-.0494	-.4769	146748.	13.4	170.8	12.78	4.632	170.8	791.2	.000
14200.0	866.3	888.2	-.0483	-.4710	146161.	13.4	170.1	12.73	4.632	170.1	788.0	.000
14100.0	866.2	888.2	-.0472	-.4652	145573.	13.4	169.4	12.67	4.631	169.4	784.7	.000
14000.0	866.2	888.1	-.0461	-.4594	144980.	13.4	168.8	12.62	4.631	168.8	781.5	.000
13900.0	866.1	888.1	-.0451	-.4538	144386.	13.4	168.1	12.56	4.630	168.1	778.2	.000
13800.0	866.0	888.1	-.0441	-.4482	143790.	13.4	167.4	12.51	4.629	167.4	774.9	.000
13700.0	865.9	888.0	-.0431	-.4427	143191.	13.4	166.7	12.45	4.629	166.7	771.6	.000
13600.0	865.9	888.0	-.0421	-.4372	142590.	13.4	166.0	12.40	4.628	166.0	768.3	.000
13500.0	865.8	887.9	-.0411	-.4319	141985.	13.4	165.3	12.34	4.628	165.3	764.9	.000
13400.0	865.7	887.9	-.0402	-.4266	141378.	13.4	164.6	12.28	4.627	164.6	761.6	.000
13300.0	865.7	887.9	-.0393	-.4213	140769.	13.4	163.9	12.23	4.627	163.9	758.2	.000
13200.0	865.6	887.8	-.0384	-.4161	140157.	13.4	163.2	12.17	4.626	163.2	754.9	.000
13100.0	865.5	887.8	-.0375	-.4110	139542.	13.4	162.5	12.12	4.626	162.5	751.5	.000
13000.0	865.4	887.7	-.0367	-.4060	138925.	13.4	161.7	12.06	4.625	161.7	748.1	.000
12900.0	865.3	887.7	-.0358	-.4010	138305.	13.4	161.0	12.00	4.625	161.0	744.7	.000
12800.0	865.2	887.6	-.0350	-.3960	137683.	13.4	160.3	11.94	4.624	160.3	741.3	.000
12700.0	865.2	887.6	-.0342	-.3912	137058.	13.4	159.6	11.89	4.624	159.6	737.8	.000
12600.0	865.1	887.6	-.0334	-.3863	136431.	13.4	158.9	11.83	4.623	158.9	734.4	.000
12500.0	865.0	887.5	-.0326	-.3816	135795.	13.4	158.1	11.77	4.622	158.1	730.9	.000
12400.0	865.0	887.5	-.0319	-.3768	135161.	13.4	157.4	11.71	4.622	157.4	727.4	.000
12300.0	864.9	887.4	-.0311	-.3722	134524.	13.4	156.6	11.65	4.621	156.6	723.9	.000
12200.0	864.8	887.4	-.0304	-.3675	133883.	13.4	155.9	11.60	4.621	155.9	720.4	.000
12100.0	864.7	887.4	-.0297	-.3630	133239.	13.4	155.2	11.54	4.620	155.2	716.9	.000

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 480 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AME M/S	VAVG M/S	HAVG	SLIP	VL M/S	VV M/S	XF
12000.0	864.6	887.3	-.0390	-.3584	132592.	13.5	154.4	11.48	4.620	154.4	713.3	.000
11900.0	864.6	887.3	-.0383	-.3539	131942.	13.5	153.7	11.42	4.619	153.7	709.8	.000
11800.0	864.5	887.2	-.0377	-.3495	131288.	13.5	152.9	11.36	4.619	152.9	706.2	.000
11700.0	864.4	887.2	-.0370	-.3451	130632.	13.5	152.1	11.30	4.618	152.1	702.6	.000
11600.0	864.3	887.2	-.0364	-.3407	129972.	13.5	151.4	11.24	4.618	151.4	699.0	.000
11500.0	864.3	887.1	-.0358	-.3364	129308.	13.5	150.6	11.18	4.617	150.6	695.3	.000
11400.0	864.2	887.1	-.0351	-.3321	128642.	13.5	149.8	11.12	4.616	149.8	691.7	.000
11300.0	864.1	887.0	-.0345	-.3279	127971.	13.5	149.1	11.06	4.616	149.1	688.0	.000
11200.0	864.0	887.0	-.0340	-.3237	127298.	13.5	148.3	10.99	4.615	148.3	684.3	.000
11100.0	864.0	887.0	-.0334	-.3195	126620.	13.5	147.5	10.93	4.615	147.5	680.6	.000
11000.0	863.9	886.9	-.0328	-.3154	125939.	13.5	146.7	10.87	4.614	146.7	676.9	.000
10900.0	863.8	886.9	-.0323	-.3113	125254.	13.5	145.9	10.81	4.614	145.9	673.1	.000
10800.0	863.7	886.8	-.0317	-.3073	124566.	13.5	145.1	10.75	4.613	145.1	669.4	.000
10700.0	863.7	886.8	-.0312	-.3032	123873.	13.5	144.3	10.68	4.613	144.3	665.6	.000
10600.0	863.6	886.8	-.0307	-.2993	123177.	13.5	143.5	10.62	4.612	143.5	661.8	.000
10500.0	863.5	886.7	-.0301	-.2953	122477.	13.5	142.7	10.56	4.612	142.7	658.0	.000
10400.0	863.4	886.7	-.0296	-.2914	121772.	13.5	141.9	10.49	4.611	141.9	654.1	.000
10300.0	863.3	886.6	-.0291	-.2875	121064.	13.5	141.0	10.43	4.610	141.0	650.3	.000
10200.0	863.3	886.6	-.0286	-.2836	120351.	13.5	140.2	10.37	4.610	140.2	646.4	.000
10100.0	863.2	886.6	-.0282	-.2798	119634.	13.5	139.4	10.30	4.609	139.4	642.5	.000
10200.0	863.1	886.5	-.0277	-.2759	118913.	13.5	138.5	10.24	4.609	138.5	638.5	.000
10000.0	863.0	886.5	-.0273	-.2722	118187.	13.5	137.7	10.17	4.608	137.7	634.6	.000
9900.0	863.0	886.4	-.0268	-.2684	117457.	13.5	136.9	10.11	4.608	136.9	630.6	.000
9800.0	862.9	886.4	-.0264	-.2647	116722.	13.5	136.0	10.04	4.607	136.0	626.6	.000
9700.0	862.8	886.4	-.0259	-.2610	115983.	13.6	135.1	9.97	4.607	135.1	622.5	.000
9600.0	862.7	886.3	-.0255	-.2573	115238.	13.6	134.3	9.91	4.606	134.3	618.4	.000
9500.0	862.7	886.3	-.0251	-.2536	114489.	13.6	133.4	9.84	4.605	133.4	614.4	.000
9400.0	862.6	886.2	-.0247	-.2500	113736.	13.6	132.5	9.77	4.605	132.5	610.3	.000
9300.0	862.5	886.2	-.0243	-.2464	112976.	13.6	131.7	9.70	4.604	131.7	606.2	.000
9200.0	862.4	886.2	-.0239	-.2428	112212.	13.6	130.8	9.64	4.604	130.8	602.0	.000
9100.0	862.4	886.2	-.0235	-.2392	111443.	13.6	129.9	9.57	4.603	129.9	597.8	.000
9000.0	862.3	886.1	-.0232	-.2357	110668.	13.6	129.0	9.50	4.603	129.0	593.6	.000
8900.0	862.2	886.0	-.0228	-.2322	109887.	13.6	128.1	9.43	4.602	128.1	589.4	.000
8800.0	862.1	886.0	-.0224	-.2287	109101.	13.6	127.2	9.36	4.602	127.2	585.1	.000
8700.0	862.0	886.0	-.0221	-.2252	108310.	13.6	126.2	9.29	4.601	126.2	580.8	.000
8600.0	862.0	885.9	-.0217	-.2217	107512.	13.6	125.3	9.22	4.600	125.3	576.5	.000
8500.0	861.9	885.9	-.0214	-.2183	106709.	13.6	124.4	9.15	4.600	124.4	572.1	.000
8400.0	861.8	885.8	-.0211	-.2148	105899.	13.6	123.4	9.07	4.599	123.4	567.7	.000
8300.0	861.7	885.8	-.0207	-.2114	105083.	13.6	122.5	9.00	4.599	122.5	563.3	.000
8200.0	861.6	885.8	-.0204	-.2080	104261.	13.6	121.5	8.93	4.598	121.5	558.8	.000
8100.0	861.6	885.7	-.0201	-.2047	103432.	13.6	120.6	8.85	4.598	120.6	554.3	.000
8000.0	861.5	885.7	-.0198	-.2013	102596.	13.6	119.6	8.78	4.597	119.6	549.8	.000
7900.0	861.4	885.7	-.0195	-.1980	101754.	13.6	118.6	8.71	4.597	118.6	545.2	.000
7800.0	861.3	885.6	-.0192	-.1946	100905.	13.6	117.6	8.63	4.596	117.6	540.6	.000
7700.0	861.3	885.6	-.0189	-.1913	100048.	13.6	116.6	8.55	4.595	116.6	536.0	.000
7600.0	861.2	885.5	-.0186	-.1880	99184.	13.6	115.6	8.48	4.595	115.6	531.3	.000
7500.0	861.1	885.5	-.0183	-.1847	98312.	13.6	114.6	8.40	4.594	114.6	526.6	.000
7400.0	861.0	885.4	-.0181	-.1814	97432.	13.6	113.6	8.32	4.594	113.6	521.8	.000
7300.0	860.9	885.4	-.0178	-.1782	96545.	13.7	112.6	8.25	4.593	112.6	517.0	.000
7200.0	860.9	885.4	-.0175	-.1749	95649.	13.7	111.5	8.17	4.593	111.5	512.2	.000
7100.0	860.8	885.3	-.0173	-.1717	94744.	13.7	110.5	8.09	4.592	110.5	507.3	.000
7000.0	860.7	885.3	-.0170	-.1684	93831.	13.7	109.4	8.01	4.592	109.4	502.3	.000
6900.0	860.6	885.3	-.0168	-.1652	92909.	13.7	108.3	7.93	4.591	108.3	497.3	.000
6800.0	860.6	885.2	-.0166	-.1620	91978.	13.7	107.2	7.84	4.590	107.2	492.3	.000
6700.0	860.5	885.2	-.0163	-.1588	91037.	13.7	106.2	7.76	4.590	106.2	487.2	.000
6600.0	860.4	885.2	-.0161	-.1556	90086.	13.7	105.0	7.68	4.589	105.0	482.1	.000
6500.0	860.3	885.1	-.0159	-.1524	89125.	13.7	103.9	7.60	4.589	103.9	476.9	.000
6400.0	860.2	885.1	-.0156	-.1492	88154.	13.7	102.8	7.51	4.588	102.8	471.7	.000
6300.0	860.2	885.0	-.0154	-.1461	87171.	13.7	101.7	7.43	4.588	101.7	466.4	.000
6200.0	860.1	885.0	-.0152	-.1429	86178.	13.7	100.5	7.34	4.587	100.5	461.0	.000
6100.0	860.0	885.0	-.0150	-.1397	85172.	13.7	99.3	7.25	4.587	99.3	455.6	.000
6000.0	859.9	884.9	-.0148	-.1366	84155.	13.7	98.1	7.16	4.586	98.1	450.1	.000
5900.0	859.8	884.9	-.0146	-.1334	83126.	13.7	96.9	7.07	4.585	96.9	444.5	.000
5800.0	859.8	884.8	-.0144	-.1303	82083.	13.7	95.7	6.98	4.585	95.7	438.9	.000
5700.0	859.7	884.8	-.0142	-.1271	81027.	13.7	94.5	6.89	4.584	94.5	433.2	.000
5600.0	859.6	884.8	-.0140	-.1240	79957.	13.7	93.3	6.80	4.584	93.3	427.5	.000
5500.0	859.5	884.7	-.0139	-.1209	78872.	13.7	92.0	6.70	4.583	92.0	421.6	.000
5400.0	859.4	884.7	-.0137	-.1177	77773.	13.7	90.7	6.61	4.583	90.7	415.7	.000
5300.0	859.4	884.7	-.0135	-.1146	76657.	13.7	89.4	6.51	4.582	89.4	409.7	.000
5200.0	859.3	884.6	-.0134	-.1114	75525.	13.7	88.1	6.41	4.581	88.1	403.6	.000
5100.0	859.2	884.6	-.0132	-.1083	74376.	13.7	86.8	6.31	4.581	86.8	397.4	.000
5000.0	859.1	884.5	-.0130	-.1052	73208.	13.7	85.4	6.21	4.580	85.4	391.2	.000
4900.0	859.0	884.5	-.0129	-.1020	72022.	13.8	84.0	6.11	4.580	84.0	384.8	.000
4800.0	859.0	884.5	-.0127	-.0989	70816.	13.8	82.6	6.01	4.579	82.6	378.3	.000
4700.0	858.9	884.4	-.0126	-.0957	69589.	13.8	81.2	5.90	4.579	81.2	371.7	.000
4600.0	858.8	884.4	-.0124	-.0926	68340.	13.8	79.7	5.79	4.578	79.7	365.0	.000
4500.0	858.7	884.4	-.0123	-.0894	67067.	13.8	78.2	5.68	4.578	78.2	358.2	.000
4400.0	858.6	884.3	-.0122	-.0862	65770.	13.8	76.7	5.57	4.577	76.7	351.2	.000
4300.0	858.5	884.3	-.0120	-.0831	64447.	13.8	75.2	5.46	4.576	75.2	344.1	.000
4200.0	858.5	884.2	-.0119	-.0799	63095.	13.8	73.6	5.34	4.576	73.6	336.9	.000
4000.0	858.4	884.2	-.0118	-.0767	61715.	13.8	72.0	5.22	4.575	72.0	329.4	.000
3900.0	858.3	884.1	-.0117	-.0735	60302.	13.8	70.4	5.10	4.575	70.4	321.9	.000
3800.0	858.2	884.1	-.0116	-.0703	58855.	13.8	68.7	4.98	4.574	68.7	314.1	.000
3700.0	858.2	884.1	-.0114	-.0670	57371.	13.8	66.9	4.85	4.574	66.9	306.2	.000
3600.0	858.1	884.1	-.0113	-.0638	55851.	13.8	65.2	4.72	4.573	65.2	298.0	.000
3500.0	858.0	884.0	-.0112	-.0605	54286.	13.8	63.3	4.59	4.572	63.3	289.7	.000
3400.0	857.9	884.0	-.0111	-.0573	52675.	13.8	61.5	4.45	4.572	61.5	281.0	.000
3300.0	857.8	883.9	-.0110	-.0540	51013.	13.8	59.5	4.31	4.571	59.5	272.1	.000
3200.0	857.8	883.9	-.0109	-.0506	49294.	13.8	57.5	4.16	4.571	57.5	262.9	.000
3100.0	857.7	883.9	-.0109	-.0473	47514.	13.8	55.4	4.01	4.570	55.4	253.4	.000
3000.0	857.6	883.8	-.0108	-.0439	45664.	13.8	53.3	3.85	4.570	53.3	243.5	.000
2900.0	857.5	883.8	-.0107	-.0405	43736.	13.8	51.0	3.69	4.569	51.0	233.2	.000
2800.0	857.4	883.8	-.0106	-.0371	41719.	13.8	48.5	3.52	4.568	48.5	222.4	.000
2700.0	857.3	883.7	-.0105	-.0336	39599.	13.8	46.2	3.34	4.567	46.2	211.1	.000
2600.0	857.3	883.7	-.0105	-.0301	37359.	13.8	43.6	3.15	4.567	43.6	199.3	.000
2500.0	857.2	883.6	-.0104	-.0266	34975.	13.9	40.8	2.95	4.567	40.8	186.4	.000
2400.0	857.1	883.6	-.0103	-.0230	32417.	13.9	37.8	2.73	4.566	37.8	172.8	.000
2300.0	857.0	883.6	-.0103	-.0194	29630.	13.9	34.6	2.50	4.566	34.6	158.0	.000
2200.0	856.9	883.5	-.0102	-.0157	26577.	13.9	31.0	2.24	4.565	31.0	141.4	.000
2100.0	856.9	883.5	-.0101	-.0120	23101.	13.9	27.0	1.94	4.564	27.0	123.1	.000

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 480 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
2000.0	856.8	883.5	-.0001	-.0052	21749.	18.1	40.9	2.26	4.951	40.1	198.5	.026
1900.0	856.7	883.4	-.0030	-.0043	20967.	14.9	42.9	2.37	5.037	41.8	210.8	.031
1800.0	856.6	883.4	-.0000	-.0004	20132.	19.5	44.2	2.26	5.105	43.0	219.6	.035

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 490 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHF M/S	VAVG M/S	HAVG	SLIP	VL M/S	VV M/S	XF
22120.0	860.6	936.0	*******	********	184013.	13.5	216.8	13.97	4.364	216.9	946.0	.000
22100.0	860.6	936.0	-3.9375	-11.4323	183973.	13.5	216.7	13.96	4.364	216.7	945.9	.000
22000.0	860.5	936.0	-1.4286	-4.5827	183462.	13.5	216.1	13.92	4.363	216.1	943.1	.000
21900.0	860.4	935.9	-1.0077	-3.4203	182949.	13.5	215.6	13.88	4.363	215.6	940.6	.000
21800.0	860.4	935.9	-.8394	-2.8658	182436.	13.5	215.1	13.84	4.362	215.1	938.1	.000
21700.0	860.3	935.8	-.6984	-2.5236	182071.	13.5	214.5	13.80	4.362	214.5	935.4	.000
21600.0	860.2	935.8	-.6046	-2.2843	181605.	13.5	214.0	13.76	4.361	214.0	933.2	.000
21500.0	860.1	935.8	-.5422	-2.1041	181138.	13.6	213.6	13.72	4.361	213.4	930.7	.000
21400.0	860.1	935.7	-.4933	-1.9617	180669.	13.6	213.0	13.69	4.360	212.9	928.2	.000
21300.0	860.0	935.7	-.4536	-1.8450	180700.	13.6	212.3	13.65	4.360	212.3	925.7	.000
21200.0	859.9	935.6	-.4205	-1.7469	179729.	13.6	211.8	13.61	4.359	211.8	923.2	.000
21100.0	859.8	935.6	-.3923	-1.6627	179257.	13.6	211.2	13.57	4.359	211.2	920.7	.000
21000.0	859.8	935.6	-.3680	-1.5893	178783.	13.6	210.7	13.53	4.358	210.7	918.2	.000
20900.0	859.7	935.5	-.3466	-1.5244	178309.	13.6	210.1	13.49	4.358	210.1	915.6	.000
20800.0	859.6	935.5	-.3277	-1.4663	177833.	13.6	209.6	13.45	4.357	209.6	913.1	.000
20700.0	859.5	935.5	-.3108	-1.4140	177358.	13.6	209.0	13.41	4.357	209.0	910.6	.000
20600.0	859.4	935.4	-.2955	-1.3663	176877.	13.6	208.5	13.37	4.356	208.5	908.0	.000
20500.0	859.4	935.4	-.2817	-1.3227	176397.	13.6	207.9	13.33	4.356	207.9	905.5	.000
20400.0	859.3	935.3	-.2690	-1.2824	175916.	13.6	207.3	13.29	4.355	207.3	902.9	.000
20300.0	859.2	935.3	-.2573	-1.2452	175433.	13.6	206.8	13.25	4.355	206.8	900.4	.000
20200.0	859.1	935.3	-.2466	-1.2108	174950.	13.6	206.2	13.21	4.354	206.2	897.8	.000
20100.0	859.1	935.2	-.2366	-1.1780	174464.	13.6	205.6	13.17	4.354	205.6	895.2	.000
20000.0	859.0	935.2	-.2273	-1.1476	173978.	13.6	205.1	13.13	4.353	205.1	892.6	.000
19900.0	858.9	935.2	-.2187	-1.1189	173490.	13.6	204.5	13.09	4.352	204.5	890.1	.000
19800.0	858.8	935.1	-.2106	-1.0919	173001.	13.6	203.9	13.05	4.352	203.9	887.5	.000
19700.0	858.8	935.1	-.2029	-1.0662	172510.	13.6	203.4	13.01	4.351	203.4	884.9	.000
19600.0	858.7	935.0	-.1958	-1.0419	172018.	13.6	202.8	12.97	4.351	202.8	882.3	.000
19500.0	858.6	935.0	-.1890	-1.0188	171524.	13.6	202.2	12.93	4.350	202.2	879.6	.000
19400.0	858.5	934.9	-.1826	-.9967	171029.	13.6	201.6	12.89	4.350	201.6	877.0	.000
19300.0	858.4	934.9	-.1766	-.9756	170533.	13.7	201.0	12.84	4.349	201.0	874.4	.000
19200.0	858.4	934.9	-.1708	-.9555	170035.	13.7	200.5	12.80	4.349	200.5	871.8	.000
19100.0	858.3	934.9	-.1653	-.9362	169536.	13.7	199.9	12.76	4.348	199.9	869.1	.000
19000.0	858.2	934.8	-.1601	-.9176	169035.	13.7	199.3	12.72	4.348	199.3	866.5	.000
18900.0	858.1	934.8	-.1551	-.8998	168533.	13.7	198.7	12.68	4.347	198.7	863.8	.000
18800.0	858.1	934.7	-.1504	-.8827	168029.	13.7	198.1	12.64	4.347	198.1	861.2	.000
18700.0	858.0	934.7	-.1459	-.8662	167522.	13.7	197.5	12.60	4.346	197.5	858.5	.000
18600.0	857.9	934.7	-.1416	-.8503	167017.	13.7	196.9	12.56	4.346	196.9	855.8	.000
18500.0	857.8	934.6	-.1374	-.8349	166508.	13.7	196.3	12.51	4.345	196.3	853.1	.000
18400.0	857.8	934.6	-.1334	-.8201	165998.	13.7	195.7	12.47	4.345	195.7	850.4	.000
18300.0	857.7	934.6	-.1296	-.8057	165486.	13.7	195.1	12.43	4.344	195.1	847.7	.000
18200.0	857.6	934.5	-.1260	-.7918	164973.	13.7	194.5	12.39	4.344	194.5	845.0	.000
18100.0	857.5	934.5	-.1224	-.7784	164458.	13.7	193.9	12.35	4.343	193.9	842.3	.000
18000.0	857.4	934.4	-.1191	-.7654	163942.	13.7	193.3	12.30	4.343	193.3	839.6	.000
17900.0	857.4	934.4	-.1158	-.7528	163424.	13.7	192.7	12.26	4.342	192.7	836.8	.000
17800.0	857.3	934.4	-.1127	-.7405	162904.	13.7	192.1	12.22	4.342	192.1	834.1	.000
17700.0	857.2	934.3	-.1096	-.7287	162383.	13.7	191.5	12.18	4.341	191.5	831.3	.000
17600.0	857.1	934.3	-.1067	-.7171	161859.	13.7	190.9	12.13	4.341	190.9	828.6	.000
17500.0	857.0	934.3	-.1039	-.7059	161335.	13.7	190.3	12.09	4.340	190.3	825.8	.000
17400.0	857.0	934.2	-.1012	-.6950	160808.	13.7	189.7	12.05	4.339	189.7	823.1	.000
17300.0	856.9	934.2	-.0986	-.6844	160280.	13.7	189.0	12.01	4.339	189.0	820.3	.000
17200.0	856.8	934.1	-.0960	-.6741	159750.	13.8	188.4	11.96	4.338	188.4	817.5	.000
17100.0	856.7	934.1	-.0936	-.6640	159218.	13.8	187.8	11.92	4.338	187.8	814.7	.000
17000.0	856.7	934.1	-.0912	-.6542	158684.	13.8	187.2	11.88	4.337	187.2	811.9	.000
16900.0	856.6	934.0	-.0889	-.6446	158149.	13.8	186.6	11.83	4.337	186.6	809.1	.000
16800.0	856.5	934.0	-.0867	-.6351	157611.	13.8	186.0	11.79	4.336	186.0	806.2	.000
16700.0	856.4	934.0	-.0846	-.6262	157072.	13.8	185.3	11.75	4.336	185.3	803.4	.000
16600.0	856.3	933.9	-.0825	-.6174	156531.	13.8	184.7	11.70	4.335	184.7	800.6	.000
16500.0	856.3	933.9	-.0805	-.6090	155988.	13.8	184.0	11.66	4.335	184.0	797.7	.000
16400.0	856.2	933.8	-.0786	-.6005	155444.	13.8	183.4	11.61	4.334	183.4	794.8	.000
16300.0	856.1	933.8	-.0767	-.5922	154897.	13.8	182.7	11.57	4.334	182.7	792.0	.000
16200.0	856.0	933.7	-.0749	-.5840	154348.	13.8	182.1	11.53	4.333	182.1	789.1	.000
16100.0	855.9	933.7	-.0731	-.5760	153798.	13.8	181.5	11.48	4.333	181.5	786.2	.000
16000.0	855.9	933.7	-.0713	-.5682	153245.	13.8	180.8	11.44	4.332	180.8	783.3	.000
15900.0	855.8	933.6	-.0696	-.5605	152690.	13.8	180.2	11.39	4.332	180.2	780.4	.000
15800.0	855.7	933.6	-.0680	-.5530	152134.	13.8	179.5	11.35	4.331	179.5	777.5	.000
15700.0	855.6	933.6	-.0664	-.5456	151575.	13.8	178.9	11.30	4.330	178.9	774.5	.000
15600.0	855.6	933.6	-.0648	-.5384	151014.	13.8	178.2	11.26	4.330	178.2	771.6	.000
15500.0	855.5	933.5	-.0633	-.5312	150451.	13.8	177.5	11.21	4.329	177.5	768.6	.000
15400.0	855.4	933.5	-.0618	-.5242	149886.	13.8	176.9	11.17	4.329	176.9	765.7	.000
15300.0	855.3	933.5	-.0604	-.5173	149319.	13.8	176.2	11.12	4.328	176.2	762.7	.000
15200.0	855.2	933.4	-.0590	-.5105	148750.	13.8	175.5	11.08	4.328	175.5	759.7	.000
15100.0	855.2	933.4	-.0576	-.5039	148178.	13.9	174.9	11.03	4.327	174.9	756.7	.000
15000.0	855.1	933.4	-.0563	-.4974	147604.	13.9	174.2	10.99	4.327	174.2	753.7	.000
14900.0	855.0	933.3	-.0549	-.4910	147028.	13.9	173.5	10.94	4.326	173.5	750.7	.000
14800.0	854.9	933.3	-.0537	-.4846	146450.	13.9	172.8	10.89	4.326	172.8	747.7	.000
14700.0	854.8	933.2	-.0524	-.4784	145869.	13.9	172.2	10.85	4.325	172.2	744.7	.000
14600.0	854.8	933.2	-.0512	-.4722	145286.	13.9	171.5	10.80	4.325	171.5	741.6	.000
14500.0	854.7	933.2	-.0500	-.4662	144701.	13.9	170.8	10.75	4.324	170.8	738.6	.000
14400.0	854.6	933.1	-.0489	-.4602	144113.	13.9	170.1	10.71	4.324	170.1	735.5	.000
14300.0	854.5	933.1	-.0478	-.4543	143523.	13.9	169.4	10.66	4.323	169.4	732.4	.000
14200.0	854.4	933.1	-.0466	-.4485	142930.	13.9	168.7	10.61	4.323	168.7	729.3	.000
14100.0	854.4	933.0	-.0456	-.4428	142335.	13.9	168.0	10.57	4.322	168.0	726.2	.000
14000.0	854.3	933.0	-.0445	-.4372	141738.	13.9	167.3	10.52	4.321	167.3	723.1	.000
13900.0	854.2	933.0	-.0435	-.4316	141137.	13.9	166.6	10.47	4.321	166.6	719.9	.000
13800.0	854.1	932.9	-.0425	-.4261	140536.	13.9	165.9	10.42	4.320	165.9	716.8	.000
13700.0	854.0	932.9	-.0415	-.4207	139930.	13.9	165.2	10.38	4.320	165.2	713.6	.000
13600.0	854.0	932.9	-.0405	-.4154	139321.	13.9	164.5	10.33	4.319	164.5	710.5	.000
13500.0	853.9	932.8	-.0396	-.4101	138711.	13.9	163.8	10.28	4.319	163.8	707.3	.000
13400.0	853.8	932.8	-.0387	-.4049	138097.	13.9	163.0	10.23	4.318	163.0	704.1	.000
13300.0	853.7	932.7	-.0378	-.3997	137481.	13.9	162.3	10.18	4.318	162.3	700.9	.000
13200.0	853.6	932.7	-.0369	-.3947	136862.	13.9	161.6	10.14	4.317	161.6	697.7	.000
13100.0	853.6	932.7	-.0361	-.3896	136241.	13.9	160.9	10.09	4.317	160.9	694.4	.000
13000.0	853.5	932.6	-.0352	-.3847	135616.	16.0	160.1	10.04	4.316	160.1	691.2	.000
12900.0	853.4	932.6	-.0344	-.3798	134988.	16.0	159.4	9.99	4.316	159.4	687.9	.000
12800.0	853.3	932.5	-.0336	-.3749	134359.	16.0	158.7	9.94	4.315	158.7	684.6	.000
12700.0	853.2	932.5	-.0328	-.3701	133725.	16.0	157.9	9.89	4.315	157.9	681.3	.000
12600.0	853.1	932.5	-.0320	-.3654	133088.	16.0	157.2	9.84	4.314	157.2	678.0	.000
12500.0	853.1	932.5	-.0313	-.3607	132449.	16.0	156.4	9.79	4.313	156.4	674.7	.000
12400.0	853.0	932.4	-.0305	-.3560	131806.	16.0	155.7	9.74	4.313	155.7	671.4	.000
12300.0	852.9	932.4	-.0298	-.3515	131160.	16.0	154.9	9.69	4.312	154.9	668.0	.000
12200.0	852.8	932.4	-.0291	-.3469	130511.	16.0	154.1	9.64	4.312	154.1	664.6	.000
12100.0	852.7	932.3	-.0284	-.3424	129859.	16.0	153.4	9.59	4.311	153.4	661.2	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 490 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
12000.0	852.7	932.3	-.0277	-.3179	129203.	14.0	152.6	9.54	4.311	152.6	657.8	.000
11900.0	852.6	932.3	-.0271	-.3135	128544.	14.0	151.8	9.48	4.310	151.8	654.4	.000
11800.0	852.5	932.2	-.0264	-.3092	127882.	14.0	151.1	9.43	4.310	151.1	651.0	.000
11700.0	852.4	932.2	-.0258	-.3048	127216.	14.0	150.3	9.38	4.309	150.3	647.5	.000
11600.0	852.3	932.2	-.0252	-.3006	126547.	14.0	149.5	9.33	4.309	149.5	644.1	.000
11500.0	852.3	932.1	-.0246	-.3163	125874.	14.0	148.7	9.28	4.308	148.7	640.6	.000
11400.0	852.2	932.1	-.0240	-.3121	125197.	14.0	147.9	9.22	4.308	147.9	637.1	.000
11300.0	852.1	932.1	-.0234	-.3079	124517.	14.0	147.1	9.17	4.307	147.1	633.6	.000
11200.0	852.0	932.0	-.0228	-.3038	123833.	14.0	146.3	9.12	4.306	146.3	630.0	.000
11100.0	851.9	932.0	-.0222	-.2997	123145.	14.0	145.5	9.07	4.306	145.5	626.4	.000
11000.0	851.8	932.0	-.0217	-.2957	122453.	14.1	144.7	9.01	4.305	144.7	622.9	.000
10900.0	851.8	931.9	-.0211	-.2916	121758.	14.1	143.9	8.96	4.305	143.9	619.3	.000
10800.0	851.7	931.9	-.0206	-.2876	121058.	14.1	143.0	8.90	4.304	143.0	615.6	.000
10700.0	851.6	931.8	-.0201	-.2837	120354.	14.1	142.2	8.85	4.304	142.2	612.0	.000
10600.0	851.5	931.8	-.0196	-.2798	119646.	14.1	141.4	8.79	4.303	141.4	608.3	.000
10500.0	851.4	931.8	-.0191	-.2759	118934.	14.1	140.5	8.74	4.303	140.5	604.7	.000
10400.0	851.3	931.7	-.0186	-.2720	118218.	14.1	139.7	8.68	4.302	139.7	600.9	.000
10300.0	851.3	931.7	-.0181	-.2682	117497.	14.1	138.8	8.63	4.302	138.8	597.2	.000
10200.0	851.2	931.7	-.0176	-.2644	116772.	14.1	138.0	8.57	4.301	138.0	593.5	.000
10100.0	851.1	931.6	-.0172	-.2606	116042.	14.1	137.1	8.52	4.300	137.1	589.7	.000
10000.0	851.0	931.6	-.0167	-.2568	115307.	14.1	136.3	8.46	4.300	136.3	585.9	.000
9900.0	850.9	931.6	-.0163	-.2531	114568.	14.1	135.4	8.40	4.299	135.4	582.1	.000
9800.0	850.9	931.5	-.0158	-.2494	113824.	14.1	134.5	8.35	4.299	134.5	578.3	.000
9700.0	850.8	931.5	-.0154	-.2457	113075.	14.1	133.6	8.29	4.298	133.6	574.4	.000
9600.0	850.7	931.5	-.0150	-.2421	112321.	14.1	132.8	8.23	4.298	132.8	570.5	.000
9500.0	850.6	931.4	-.0146	-.2385	111562.	14.1	131.9	8.17	4.297	131.9	566.6	.000
9400.0	850.5	931.4	-.0142	-.2349	110798.	14.1	131.0	8.12	4.297	131.0	562.7	.000
9300.0	850.4	931.4	-.0138	-.2313	110029.	14.1	130.1	8.06	4.296	130.1	558.7	.000
9200.0	850.4	931.3	-.0134	-.2278	109253.	14.1	129.1	8.00	4.296	129.1	554.7	.000
9100.0	850.3	931.3	-.0130	-.2242	108472.	14.2	128.2	7.94	4.295	128.2	550.7	.000
9000.0	850.2	931.3	-.0127	-.2207	107686.	14.2	127.3	7.88	4.295	127.3	546.7	.000
8900.0	850.1	931.2	-.0123	-.2172	106894.	14.2	126.4	7.82	4.294	126.4	542.6	.000
8800.0	850.0	931.2	-.0119	-.2138	106096.	14.2	125.4	7.76	4.293	125.4	538.5	.000
8700.0	849.9	931.2	-.0116	-.2103	105292.	14.2	124.5	7.70	4.293	124.5	534.3	.000
8600.0	849.9	931.1	-.0113	-.2069	104481.	14.2	123.5	7.64	4.292	123.5	530.2	.000
8500.0	849.8	931.1	-.0109	-.2035	103665.	14.2	122.6	7.57	4.292	122.6	526.0	.000
8400.0	849.7	931.1	-.0106	-.2001	102842.	14.2	121.6	7.51	4.291	121.6	521.8	.000
8300.0	849.6	931.0	-.0103	-.1967	102012.	14.2	120.6	7.45	4.291	120.6	517.5	.000
8200.0	849.5	931.0	-.0100	-.1934	101175.	14.2	119.6	7.39	4.290	119.6	513.2	.000
8100.0	849.4	931.0	-.0096	-.1900	100331.	14.2	118.6	7.32	4.290	118.6	508.9	.000
8000.0	849.4	931.0	-.0093	-.1867	99480.	14.2	117.6	7.26	4.289	117.6	504.5	.000
7900.0	849.3	930.9	-.0090	-.1834	98622.	14.2	116.6	7.19	4.288	116.6	500.1	.000
7800.0	849.2	930.9	-.0088	-.1801	97757.	14.2	115.6	7.13	4.288	115.6	495.7	.000
7700.0	849.1	930.8	-.0085	-.1768	96883.	14.2	114.6	7.06	4.287	114.6	491.2	.000
7600.0	849.0	930.8	-.0082	-.1735	96002.	14.2	113.5	7.00	4.287	113.5	486.7	.000
7500.0	848.9	930.8	-.0079	-.1703	95112.	14.2	112.5	6.93	4.286	112.5	482.1	.000
7400.0	848.8	930.8	-.0077	-.1671	94214.	14.2	111.4	6.86	4.286	111.4	477.5	.000
7300.0	848.8	930.7	-.0074	-.1638	93307.	14.2	110.3	6.79	4.285	110.3	472.9	.000
7200.0	848.7	930.7	-.0071	-.1606	92391.	14.2	109.3	6.72	4.284	109.3	468.2	.000
7100.0	848.6	930.7	-.0069	-.1574	91466.	14.3	108.2	6.66	4.284	108.2	463.4	.000
7000.0	848.5	930.6	-.0066	-.1542	90532.	14.3	107.1	6.59	4.284	107.1	458.7	.000
6900.0	848.4	930.6	-.0064	-.1510	89588.	14.3	106.0	6.52	4.283	106.0	453.8	.000
6800.0	848.3	930.6	-.0062	-.1479	88634.	14.3	104.8	6.44	4.282	104.8	448.9	.000
6700.0	848.3	930.5	-.0059	-.1447	87669.	14.3	103.7	6.37	4.282	103.7	444.0	.000
6600.0	848.2	930.5	-.0057	-.1415	86694.	14.3	102.5	6.30	4.281	102.5	439.0	.000
6500.0	848.1	930.5	-.0055	-.1384	85707.	14.3	101.4	6.23	4.281	101.4	434.0	.000
6400.0	848.0	930.4	-.0053	-.1353	84709.	14.3	100.2	6.15	4.280	100.2	428.9	.000
6300.0	847.9	930.4	-.0051	-.1321	83699.	14.3	99.0	6.08	4.280	99.0	423.7	.000
6200.0	847.8	930.4	-.0049	-.1290	82677.	14.3	97.8	6.00	4.279	97.8	418.5	.000
6100.0	847.7	930.3	-.0047	-.1259	81642.	14.3	96.6	5.92	4.279	96.6	413.2	.000
6000.0	847.7	930.3	-.0045	-.1228	80593.	14.3	95.3	5.85	4.278	95.3	407.9	.000
5900.0	847.6	930.3	-.0043	-.1197	79531.	14.3	94.1	5.77	4.277	94.1	402.5	.000
5800.0	847.5	930.2	-.0041	-.1166	78455.	14.3	92.8	5.69	4.277	92.8	397.0	.000
5700.0	847.4	930.2	-.0039	-.1135	77363.	14.3	91.5	5.61	4.276	91.5	391.4	.000
5600.0	847.3	930.2	-.0037	-.1104	76255.	14.3	90.2	5.53	4.276	90.2	385.8	.000
5500.0	847.2	930.1	-.0036	-.1073	75132.	14.3	88.9	5.44	4.275	88.9	380.1	.000
5400.0	847.1	930.1	-.0034	-.1042	73991.	14.3	87.6	5.36	4.275	87.6	374.3	.000
5300.0	847.1	930.1	-.0032	-.1011	72832.	14.3	86.2	5.27	4.274	86.2	368.3	.000
5200.0	847.0	930.1	-.0031	-.0980	71655.	14.4	84.8	5.18	4.273	84.8	362.4	.000
5100.0	846.9	930.0	-.0029	-.0949	70458.	14.4	83.4	5.10	4.273	83.4	356.3	.000
5000.0	846.8	930.0	-.0028	-.0918	69240.	14.4	81.9	5.01	4.272	81.9	350.1	.000
4900.0	846.7	930.0	-.0026	-.0887	68000.	14.4	80.5	4.92	4.272	80.5	343.8	.000
4800.0	846.6	929.9	-.0025	-.0856	66737.	14.4	79.0	4.83	4.271	79.0	337.3	.000
4700.0	846.5	929.9	-.0023	-.0825	65450.	14.4	77.5	4.73	4.271	77.5	330.8	.000
4600.0	846.5	929.9	-.0022	-.0794	64137.	14.4	75.9	4.63	4.270	75.9	324.1	.000
4500.0	846.4	929.8	-.0020	-.0763	62796.	14.4	74.3	4.53	4.270	74.3	317.4	.000
4400.0	846.3	929.8	-.0019	-.0732	61427.	14.4	72.7	4.43	4.269	72.7	310.4	.000
4300.0	846.2	929.8	-.0018	-.0701	60025.	14.4	71.0	4.33	4.268	71.0	303.3	.000
4200.0	846.1	929.7	-.0017	-.0670	58591.	14.4	69.4	4.23	4.268	69.4	296.0	.000
4100.0	846.0	929.7	-.0016	-.0638	57120.	14.4	67.6	4.12	4.267	67.6	288.5	.000
4000.0	845.9	929.7	-.0014	-.0607	55611.	14.4	65.9	4.01	4.267	65.9	280.9	.000
3900.0	845.9	929.7	-.0013	-.0575	54059.	14.4	64.0	3.90	4.266	64.0	273.0	.000
3800.0	845.8	929.6	-.0012	-.0544	52461.	14.4	62.1	3.78	4.266	62.1	264.9	.000
3700.0	845.7	929.6	-.0011	-.0512	50813.	14.4	60.2	3.66	4.265	60.2	256.4	.000
3600.0	845.6	929.6	-.0010	-.0480	49110.	14.4	58.1	3.54	4.265	58.1	247.9	.000
3500.0	845.5	929.5	-.0009	-.0448	47345.	14.4	56.1	3.41	4.264	56.1	239.0	.000
3400.0	845.4	929.5	-.0008	-.0415	45512.	14.5	53.9	3.28	4.263	53.9	229.7	.000
3300.0	845.3	929.5	-.0007	-.0383	43602.	14.5	51.6	3.14	4.263	51.6	220.1	.000
3200.0	845.2	929.4	-.0007	-.0350	41604.	14.5	49.3	2.99	4.262	49.3	210.0	.000
3100.0	845.2	929.4	-.0006	-.0317	39506.	14.5	46.8	2.84	4.262	46.8	199.3	.000
3000.0	845.1	929.4	-.0005	-.0284	37289.	14.5	44.2	2.68	4.261	44.2	188.1	.000
2900.0	845.0	929.4	-.0004	-.0251	34932.	14.5	41.4	2.51	4.260	41.4	176.2	.000
2800.0	844.9	929.3	-.0004	-.0217	32404.	14.5	38.4	2.33	4.260	38.4	163.5	.000
2700.0	844.8	929.3	-.0003	-.0183	29661.	14.5	35.1	2.13	4.259	35.1	149.6	.000
2600.0	844.7	929.3	-.0002	-.0148	26637.	14.5	31.5	1.91	4.259	31.5	134.3	.000
2500.0	844.6	929.2	-.0002	-.0113	24681.	20.5	43.6	2.13	4.576	42.7	135.6	.074
2400.0	844.5	929.2	-.0001	-.0078	23772.	21.4	46.0	2.25	4.666	44.9	139.3	.030
2300.0	844.4	929.2	-.0001	-.0042	22331.	22.1	47.9	2.14	4.720	46.7	234.4	.033
2200.0	844.4	929.1	-.0000	-.0006	22244.	22.6	48.7	2.15	4.744	47.2	235.9	.033

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 500 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
22120.0	848.6	980.9	********	********	180719.	18.3	216.0	11.80	4.082	216.0	881.9	.000
22100.0	848.6	980.9	-8.9308	-11.1679	180626.	18.3	215.9	11.79	4.082	215.9	881.5	.000
22000.0	848.5	980.8	-1.4130	-4.4696	180163.	18.3	215.4	11.76	4.082	215.4	879.1	.000
21900.0	848.4	980.8	-.9958	-3.3828	179698.	18.3	214.8	11.72	4.081	214.8	876.8	.000
21800.0	848.4	980.8	-.7293	-2.7906	179232.	18.3	214.3	11.69	4.081	214.3	874.4	.000
21700.0	848.3	980.8	-.5794	-2.4559	178764.	18.3	213.7	11.66	4.080	213.7	872.1	.000
21600.0	848.2	980.7	-.4965	-2.2219	178296.	18.3	213.2	11.62	4.080	213.2	869.7	.000
21500.0	848.1	980.7	-.5346	-2.0457	177826.	18.3	212.6	11.59	4.079	212.6	867.3	.000
21400.0	848.0	980.7	-.4962	-1.9063	177355.	18.4	212.1	11.56	4.079	212.1	864.9	.000
21300.0	847.9	980.6	-.4469	-1.7922	176883.	18.4	211.5	11.52	4.078	211.5	862.5	.000
21200.0	847.9	980.6	-.4141	-1.6963	176409.	18.4	210.9	11.49	4.078	210.9	860.1	.000
21100.0	847.8	980.6	-.3962	-1.6139	175934.	18.4	210.4	11.45	4.077	210.4	857.7	.000
21000.0	847.7	980.5	-.3821	-1.5421	175458.	18.4	209.8	11.42	4.077	209.8	855.3	.000
20900.0	847.6	980.5	-.3610	-1.4788	174980.	18.4	209.2	11.38	4.076	209.2	852.9	.000
20800.0	847.5	980.4	-.3723	-1.4218	174502.	18.4	208.7	11.35	4.076	208.7	850.5	.000
20700.0	847.5	980.4	-.3655	-1.3705	174022.	18.4	208.1	11.31	4.075	208.1	848.1	.000
20600.0	847.4	980.4	-.3904	-1.3239	173540.	18.4	207.5	11.28	4.075	207.5	845.7	.000
20500.0	847.3	980.4	-.2767	-1.2812	173057.	18.4	207.0	11.25	4.074	207.0	843.2	.000
20400.0	847.2	980.3	-.2542	-1.2418	172573.	18.4	206.4	11.21	4.074	206.4	840.8	.000
20300.0	847.1	980.3	-.2527	-1.2053	172088.	18.4	205.8	11.18	4.073	205.8	838.3	.000
20200.0	847.0	980.3	-.2420	-1.1714	171601.	18.4	205.2	11.14	4.073	205.2	835.9	.000
20100.0	847.0	980.2	-.2322	-1.1396	171112.	18.4	204.7	11.11	4.072	204.7	833.4	.000
20000.0	846.9	980.2	-.2730	-1.1098	170622.	18.4	204.1	11.07	4.072	204.1	831.0	.000
19900.0	846.8	980.2	-.2144	-1.0818	170131.	18.4	203.5	11.04	4.071	203.5	828.5	.000
19800.0	846.7	980.1	-.1984	-1.0553	169638.	18.4	202.9	11.00	4.071	202.9	826.0	.000
19700.0	846.6	980.1	-.1989	-1.0302	169145.	18.5	202.3	10.97	4.070	202.3	823.5	.000
19600.0	846.5	980.1	-.1918	-1.0064	168649.	18.5	201.8	10.93	4.070	201.8	821.0	.000
19500.0	846.5	980.0	-.1851	-.9837	168152.	18.5	201.2	10.90	4.069	201.2	818.5	.000
19400.0	846.4	980.0	-.1788	-.9622	167654.	18.5	200.6	10.86	4.068	200.6	816.0	.000
19300.0	846.3	980.0	-.1728	-.9415	167156.	18.5	200.0	10.83	4.068	200.0	813.5	.000
19200.0	846.2	980.0	-.1671	-.9219	166657.	18.5	199.4	10.79	4.067	199.4	811.0	.000
19100.0	846.1	979.9	-.1617	-.9028	166149.	18.5	198.8	10.75	4.067	198.8	808.5	.000
19000.0	846.1	979.9	-.1566	-.8847	165645.	18.5	198.2	10.72	4.066	198.2	805.9	.000
18900.0	846.0	979.9	-.1517	-.8673	165139.	18.5	197.6	10.68	4.066	197.6	803.4	.000
18800.0	845.9	979.8	-.1470	-.8505	164633.	18.5	197.0	10.65	4.065	197.0	800.9	.000
18700.0	845.8	979.8	-.1426	-.8343	164122.	18.5	196.4	10.61	4.065	196.4	798.3	.000
18600.0	845.7	979.8	-.1383	-.8187	163611.	18.5	195.8	10.57	4.064	195.8	795.7	.000
18500.0	845.6	979.7	-.1342	-.8037	163099.	18.5	195.2	10.54	4.064	195.2	793.2	.000
18400.0	845.6	979.7	-.1303	-.7891	162585.	18.5	194.6	10.50	4.063	194.6	790.6	.000
18300.0	845.5	979.7	-.1265	-.7751	162069.	18.5	194.0	10.47	4.063	194.0	788.0	.000
18200.0	845.4	979.6	-.1229	-.7615	161552.	18.5	193.3	10.43	4.062	193.3	785.4	.000
18100.0	845.3	979.6	-.1194	-.7483	161033.	18.5	192.7	10.39	4.062	192.7	782.8	.000
18000.0	845.2	979.6	-.1161	-.7359	160512.	18.5	192.1	10.36	4.061	192.1	780.2	.000
17900.0	845.1	979.6	-.1129	-.7232	159989.	18.6	191.5	10.32	4.061	191.5	777.6	.000
17800.0	845.0	979.5	-.1098	-.7112	159465.	18.6	190.9	10.28	4.060	190.9	775.0	.000
17700.0	845.0	979.5	-.1068	-.6996	158939.	18.6	190.2	10.25	4.060	190.2	772.3	.000
17600.0	844.9	979.5	-.1039	-.6883	158412.	18.6	189.6	10.21	4.059	189.6	769.7	.000
17500.0	844.8	979.4	-.1011	-.6773	157882.	18.6	189.0	10.17	4.059	189.0	767.0	.000
17400.0	844.7	979.4	-.0985	-.6666	157351.	18.6	188.4	10.14	4.058	188.4	764.4	.000
17300.0	844.6	979.4	-.0959	-.6562	156818.	18.6	187.7	10.10	4.058	187.7	761.7	.000
17200.0	844.5	979.3	-.0934	-.6461	156283.	18.6	187.1	10.06	4.057	187.1	759.1	.000
17100.0	844.5	979.3	-.0910	-.6362	155744.	18.6	186.5	10.02	4.057	186.5	756.4	.000
17000.0	844.4	979.3	-.0887	-.6266	155208.	18.6	185.8	9.99	4.056	185.8	753.7	.000
16900.0	844.3	979.2	-.0864	-.6173	154667.	18.6	185.2	9.95	4.056	185.2	751.0	.000
16800.0	844.2	979.2	-.0842	-.6082	154125.	18.6	184.6	9.91	4.055	184.6	748.3	.000
16700.0	844.1	979.2	-.0821	-.5993	153581.	18.6	183.9	9.87	4.055	183.9	745.6	.000
16600.0	844.0	979.2	-.0801	-.5905	153035.	18.6	183.2	9.84	4.054	183.2	742.8	.000
16500.0	844.0	979.1	-.0781	-.5823	152486.	18.6	182.6	9.80	4.053	182.6	740.1	.000
16400.0	843.9	979.1	-.0762	-.5740	151936.	18.6	181.9	9.76	4.053	181.9	737.4	.000
16300.0	843.8	979.1	-.0744	-.5658	151384.	18.6	181.3	9.72	4.052	181.3	734.6	.000
16200.0	843.7	979.0	-.0725	-.5579	150830.	18.7	180.6	9.68	4.052	180.6	731.8	.000
16100.0	843.6	979.0	-.0708	-.5500	150273.	18.7	180.0	9.64	4.051	180.0	729.1	.000
16000.0	843.5	979.0	-.0691	-.5424	149715.	18.7	179.3	9.61	4.051	179.3	726.3	.000
15900.0	843.4	978.9	-.0674	-.5348	149155.	18.7	178.6	9.57	4.050	178.6	723.5	.000
15800.0	843.4	978.9	-.0658	-.5275	148592.	18.7	178.0	9.53	4.050	178.0	720.7	.000
15700.0	843.3	978.9	-.0642	-.5202	148027.	18.7	177.3	9.49	4.049	177.3	717.9	.000
15600.0	843.2	978.9	-.0627	-.5131	147460.	18.7	176.6	9.45	4.049	176.6	715.1	.000
15500.0	843.1	978.8	-.0612	-.5061	146891.	18.7	175.9	9.41	4.048	175.9	712.2	.000
15400.0	843.0	978.8	-.0597	-.4992	146320.	18.7	175.3	9.37	4.048	175.3	709.4	.000
15300.0	842.9	978.8	-.0583	-.4925	145746.	18.7	174.6	9.33	4.047	174.6	706.5	.000
15200.0	842.8	978.7	-.0569	-.4859	145170.	18.7	173.9	9.29	4.047	173.9	703.7	.000
15100.0	842.8	978.7	-.0556	-.4793	144592.	18.7	173.2	9.25	4.046	173.2	700.8	.000
15000.0	842.7	978.7	-.0543	-.4729	144011.	18.7	172.5	9.21	4.046	172.5	697.9	.000
14900.0	842.6	978.7	-.0530	-.4666	143429.	18.7	171.8	9.17	4.045	171.8	695.0	.000
14800.0	842.5	978.6	-.0517	-.4604	142843.	18.7	171.1	9.13	4.045	171.1	692.1	.000
14700.0	842.4	978.6	-.0505	-.4543	142256.	18.7	170.4	9.09	4.044	170.4	689.2	.000
14600.0	842.3	978.6	-.0493	-.4482	141665.	18.7	169.7	9.05	4.043	169.7	686.3	.000
14500.0	842.2	978.5	-.0482	-.4423	141073.	18.8	169.0	9.01	4.043	169.0	683.3	.000
14400.0	842.2	978.5	-.0470	-.4364	140478.	18.8	168.3	8.97	4.042	168.3	680.4	.000
14300.0	842.1	978.5	-.0459	-.4307	139880.	18.8	167.6	8.93	4.042	167.6	677.4	.000
14200.0	842.0	978.5	-.0449	-.4250	139280.	18.8	166.9	8.89	4.041	166.9	674.4	.000
14100.0	841.9	978.4	-.0438	-.4194	138677.	18.8	166.2	8.85	4.041	166.2	671.4	.000
14000.0	841.8	978.4	-.0428	-.4138	138071.	18.8	165.4	8.81	4.040	165.4	668.3	.000
13900.0	841.7	978.4	-.0418	-.4084	137463.	18.8	164.7	8.77	4.040	164.7	665.3	.000
13800.0	841.6	978.3	-.0408	-.4030	136852.	18.8	164.0	8.72	4.039	164.0	662.2	.000
13700.0	841.6	978.3	-.0398	-.3977	136238.	18.8	163.3	8.68	4.039	163.3	659.2	.000
13600.0	841.5	978.3	-.0389	-.3924	135622.	18.8	162.5	8.64	4.038	162.5	656.1	.000
13500.0	841.4	978.3	-.0380	-.3873	135003.	18.8	161.8	8.60	4.038	161.8	653.1	.000
13400.0	841.3	978.2	-.0371	-.3821	134380.	18.8	161.1	8.56	4.037	161.1	650.0	.000
13300.0	841.2	978.2	-.0363	-.3771	133754.	18.8	160.3	8.51	4.037	160.3	646.9	.000
13200.0	841.2	978.2	-.0354	-.3722	133127.	18.8	159.6	8.47	4.036	159.6	644.0	.000
13170.0	841.0	978.1	-.0345	-.3672	132496.	18.8	158.8	8.43	4.036	158.8	640.9	.000
13000.0	840.9	978.1	-.0337	-.3623	131862.	18.9	158.1	8.39	4.035	158.1	637.8	.000
12900.0	840.8	978.1	-.0329	-.3575	131225.	18.9	157.3	8.34	4.034	157.3	634.6	.000
12800.0	840.7	978.1	-.0321	-.3527	130585.	18.9	156.6	8.30	4.034	156.6	631.5	.000
12700.0	840.7	978.0	-.0313	-.3480	129941.	18.9	155.8	8.26	4.033	155.8	628.3	.000
12600.0	840.6	978.0	-.0306	-.3433	129295.	18.9	155.0	8.21	4.033	155.0	625.1	.000
12500.0	840.5	978.0	-.0298	-.3387	128645.	18.9	154.2	8.17	4.032	154.2	621.9	.000
12400.0	840.4	977.9	-.0291	-.3342	127992.	18.9	153.4	8.13	4.032	153.4	618.7	.000
12300.0	840.3	977.9	-.0284	-.3297	127335.	18.9	152.7	8.08	4.031	152.7	615.4	.000
12200.0	840.2	977.9	-.0277	-.3252	126675.	18.9	151.9	8.04	4.031	151.9	612.2	.000
12100.0	840.2	977.9	-.0270	-.3208	126011.	18.9	151.1	7.99	4.030	151.1	608.9	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 500 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHF M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
12000.0	840.1	977.8	-.0264	-.3164	125344.	18.9	150.3	7.95	4.030	150.3	605.6	.000
11900.0	840.0	977.8	-.0257	-.3161	124674.	18.9	149.5	7.90	4.029	149.5	602.3	.000
11800.0	839.9	977.8	-.0251	-.3078	124000.	18.9	148.7	7.86	4.029	148.7	599.0	.000
11700.0	839.8	977.7	-.0245	-.3035	123322.	18.9	147.9	7.81	4.028	147.9	595.7	.000
11600.0	839.7	977.7	-.0239	-.2993	122640.	18.9	147.1	7.77	4.028	147.1	592.3	.000
11500.0	839.6	977.7	-.0233	-.2952	121954.	18.9	146.2	7.72	4.027	146.2	588.9	.000
11400.0	839.5	977.7	-.0227	-.2910	121265.	18.9	145.4	7.68	4.026	145.4	585.5	.000
11300.0	839.5	977.6	-.0221	-.2869	120572.	19.0	144.6	7.63	4.026	144.6	582.1	.000
11200.0	839.4	977.6	-.0216	-.2829	119874.	19.0	143.8	7.58	4.025	143.8	578.7	.000
11100.0	839.3	977.6	-.0210	-.2789	119173.	19.0	142.9	7.54	4.025	142.9	575.3	.000
11000.0	839.2	977.6	-.0205	-.2749	118467.	19.0	142.1	7.49	4.024	142.1	571.8	.000
10900.0	839.1	977.5	-.0199	-.2709	117757.	19.0	141.3	7.44	4.024	141.3	568.3	.000
10800.0	839.0	977.5	-.0194	-.2670	117043.	19.0	140.4	7.40	4.023	140.4	564.8	.000
10700.0	838.9	977.5	-.0189	-.2631	116324.	19.0	139.5	7.35	4.023	139.5	561.3	.000
10600.0	838.8	977.4	-.0184	-.2593	115601.	19.0	138.7	7.30	4.022	138.7	557.7	.000
10500.0	838.7	977.4	-.0179	-.2554	114873.	19.0	137.8	7.25	4.022	137.8	554.2	.000
10400.0	838.7	977.4	-.0175	-.2516	114141.	19.0	136.9	7.20	4.021	136.9	550.6	.000
10300.0	838.6	977.4	-.0170	-.2479	113404.	19.0	136.0	7.15	4.021	136.0	547.0	.000
10200.0	838.5	977.3	-.0165	-.2441	112662.	19.0	135.2	7.11	4.020	135.2	543.3	.000
10100.0	838.4	977.3	-.0161	-.2404	111915.	19.0	134.3	7.06	4.019	134.3	539.7	.000
10000.0	838.3	977.3	-.0157	-.2367	111163.	19.0	133.4	7.01	4.019	133.4	536.0	.000
9900.0	838.2	977.3	-.0152	-.2331	110406.	19.0	132.5	6.96	4.018	132.5	532.3	.000
9800.0	838.1	977.2	-.0148	-.2294	109644.	19.0	131.6	6.91	4.018	131.6	528.6	.000
9700.0	838.0	977.2	-.0144	-.2258	108878.	19.1	130.6	6.86	4.017	130.6	524.8	.000
9600.0	837.9	977.2	-.0140	-.2223	108103.	19.1	129.7	6.81	4.017	129.7	521.0	.000
9500.0	837.9	977.2	-.0136	-.2187	107324.	19.1	128.8	6.76	4.016	128.8	517.2	.000
9400.0	837.8	977.1	-.0132	-.2152	106540.	19.1	127.8	6.70	4.015	127.8	513.4	.000
9300.0	837.7	977.1	-.0128	-.2117	105749.	19.1	126.9	6.65	4.015	126.9	509.5	.000
9200.0	837.6	977.1	-.0124	-.2082	104953.	19.1	126.0	6.60	4.014	126.0	505.6	.000
9100.0	837.5	977.1	-.0121	-.2047	104151.	19.1	125.0	6.55	4.014	125.0	501.7	.000
9000.0	837.4	977.0	-.0117	-.2012	103342.	19.1	124.0	6.49	4.013	124.0	497.8	.000
8900.0	837.3	977.0	-.0114	-.1978	102527.	19.1	123.1	6.44	4.013	123.1	493.8	.000
8800.0	837.2	977.0	-.0110	-.1944	101706.	19.1	122.1	6.39	4.012	122.1	489.8	.000
8700.0	837.1	977.0	-.0107	-.1910	100878.	19.1	121.1	6.33	4.012	121.1	485.7	.000
8600.0	837.0	976.9	-.0104	-.1876	100042.	19.1	120.1	6.28	4.011	120.1	481.7	.000
8500.0	836.9	976.9	-.0100	-.1843	99200.	19.1	119.1	6.23	4.011	119.1	477.6	.000
8400.0	836.9	976.9	-.0097	-.1810	98351.	19.1	118.1	6.17	4.010	118.1	473.4	.000
8300.0	836.8	976.8	-.0094	-.1776	97494.	19.1	117.0	6.11	4.010	117.0	469.3	.000
8200.0	836.7	976.8	-.0091	-.1743	96630.	19.1	116.0	6.06	4.009	116.0	465.0	.000
8100.0	836.6	976.8	-.0088	-.1711	95757.	19.2	115.0	6.00	4.009	115.0	460.8	.000
8000.0	836.5	976.8	-.0085	-.1678	94877.	19.2	113.9	5.94	4.008	113.9	456.5	.000
7900.0	836.4	976.7	-.0082	-.1645	93988.	19.2	112.8	5.89	4.007	112.8	452.2	.000
7800.0	836.3	976.7	-.0080	-.1613	93091.	19.2	111.8	5.83	4.007	111.8	447.8	.000
7700.0	836.2	976.7	-.0077	-.1581	92186.	19.2	110.7	5.77	4.006	110.7	443.4	.000
7600.0	836.1	976.7	-.0074	-.1549	91271.	19.2	109.6	5.71	4.006	109.6	439.0	.000
7500.0	836.0	976.6	-.0072	-.1517	90347.	19.2	108.5	5.65	4.005	108.5	434.5	.000
7400.0	835.9	976.6	-.0069	-.1485	89413.	19.2	107.4	5.59	4.005	107.4	430.0	.000
7300.0	835.9	976.6	-.0067	-.1453	88469.	19.2	106.2	5.53	4.004	106.2	425.4	.000
7200.0	835.8	976.6	-.0064	-.1421	87516.	19.2	105.1	5.47	4.004	105.1	420.7	.000
7100.0	835.7	976.5	-.0062	-.1390	86551.	19.2	103.9	5.41	4.003	103.9	416.1	.000
7000.0	835.6	976.5	-.0059	-.1359	85576.	19.2	102.8	5.35	4.002	102.8	411.3	.000
6900.0	835.5	976.5	-.0057	-.1327	84590.	19.2	101.6	5.28	4.002	101.6	406.5	.000
6800.0	835.4	976.5	-.0055	-.1296	83591.	19.2	100.4	5.22	4.001	100.4	401.7	.000
6700.0	835.3	976.5	-.0053	-.1265	82581.	19.2	99.2	5.15	4.001	99.2	396.8	.000
6600.0	835.2	976.4	-.0051	-.1234	81559.	19.3	98.0	5.09	4.000	98.0	391.9	.000
6500.0	835.1	976.4	-.0048	-.1203	80523.	19.3	96.7	5.02	4.000	96.7	386.8	.000
6400.0	835.0	976.4	-.0046	-.1172	79473.	19.3	95.5	4.96	3.999	95.5	381.6	.000
6300.0	834.9	976.4	-.0044	-.1141	78410.	19.3	94.2	4.89	3.999	94.2	376.4	.000
6200.0	834.8	976.3	-.0042	-.1110	77332.	19.3	92.9	4.82	3.998	92.9	371.0	.000
6100.0	834.8	976.3	-.0041	-.1080	76239.	19.3	91.6	4.75	3.997	91.6	366.1	.000
6000.0	834.7	976.3	-.0039	-.1049	75130.	19.3	90.3	4.68	3.997	90.3	360.7	.000
5900.0	834.6	976.3	-.0037	-.1019	74004.	19.3	88.9	4.61	3.996	88.9	355.3	.000
5800.0	834.5	976.2	-.0035	-.0988	72861.	19.3	87.5	4.53	3.996	87.5	349.8	.000
5700.0	834.4	976.2	-.0033	-.0958	71699.	19.3	86.1	4.46	3.995	86.1	344.2	.000
5600.0	834.3	976.2	-.0032	-.0927	70518.	19.3	84.7	4.39	3.995	84.7	338.5	.000
5500.0	834.2	976.2	-.0030	-.0897	69317.	19.3	83.3	4.31	3.994	83.3	332.7	.000
5400.0	834.1	976.1	-.0029	-.0866	68095.	19.3	81.8	4.23	3.994	81.8	326.8	.000
5300.0	834.0	976.1	-.0027	-.0836	66851.	19.3	80.3	4.15	3.993	80.3	320.7	.000
5200.0	833.9	976.1	-.0026	-.0805	65583.	19.3	78.8	4.07	3.992	78.8	314.5	.000
5100.0	833.8	976.1	-.0024	-.0775	64290.	19.3	77.3	3.99	3.992	77.3	308.4	.000
5000.0	833.7	976.0	-.0023	-.0745	62970.	19.4	75.7	3.91	3.991	75.7	302.0	.000
4900.0	833.6	976.0	-.0021	-.0714	61622.	19.4	74.1	3.82	3.991	74.1	295.5	.000
4800.0	833.5	976.0	-.0020	-.0684	60244.	19.4	72.4	3.74	3.990	72.4	288.9	.000
4700.0	833.4	976.0	-.0019	-.0653	58834.	19.4	70.7	3.65	3.990	70.7	282.1	.000
4600.0	833.4	976.0	-.0017	-.0623	57389.	19.4	69.0	3.56	3.989	69.0	275.1	.000
4500.0	833.3	975.9	-.0016	-.0592	55906.	19.4	67.2	3.47	3.989	67.2	268.0	.000
4400.0	833.2	975.9	-.0015	-.0561	54383.	19.4	65.4	3.37	3.988	65.4	260.7	.000
4300.0	833.1	975.9	-.0014	-.0531	52816.	19.4	63.5	3.27	3.987	63.5	253.1	.000
4200.0	833.0	975.9	-.0013	-.0500	51201.	19.4	61.5	3.17	3.987	61.5	245.4	.000
4100.0	832.9	975.8	-.0012	-.0469	49534.	19.4	59.5	3.07	3.986	59.5	237.4	.000
4000.0	832.8	975.8	-.0011	-.0438	47808.	19.4	57.3	2.96	3.986	57.3	229.1	.000
3900.0	832.7	975.8	-.0010	-.0407	46018.	19.4	55.3	2.85	3.985	55.3	220.5	.000
3800.0	832.6	975.8	-.0009	-.0375	44158.	19.4	53.1	2.73	3.985	53.1	211.5	.000
3700.0	832.5	975.7	-.0008	-.0344	42210.	19.4	50.9	2.61	3.984	50.9	202.2	.000
3600.0	832.4	975.7	-.0007	-.0313	40170.	19.5	48.3	2.48	3.983	48.3	192.4	.000
3500.0	832.3	975.7	-.0006	-.0281	38022.	19.5	45.7	2.35	3.983	45.7	182.1	.000
3400.0	832.2	975.7	-.0005	-.0250	35744.	19.5	43.0	2.21	3.982	43.0	171.1	.000
3300.0	832.2	975.7	-.0004	-.0218	33311.	19.5	40.1	2.06	3.982	40.1	160.1	.000
3200.0	832.0	975.6	-.0003	-.0185	30686.	19.5	36.9	1.89	3.981	36.9	146.9	.000
3100.0	831.9	975.6	-.0003	-.0153	27814.	19.5	33.4	1.72	3.981	33.4	133.1	.000
3000.0	831.8	975.6	-.0002	-.0120	26979.	24.0	48.7	2.23	4.108	47.6	245.1	.425
2900.0	831.7	975.6	-.0002	-.0087	26100.	24.8	50.6	2.34	4.376	49.3	215.8	.333
2800.0	831.7	975.5	-.0001	-.0054	25145.	25.4	52.0	2.25	4.432	50.5	213.8	.237
2700.0	831.6	975.5	-.0000	-.0020	24077.	25.9	53.1	2.05	4.478	51.4	210.2	.141

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 510 K)

PO KPa	RO KG/M3	HO KJ/KG	X3	AO	G KG/(S-M2)	ANE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
22120.0	836.1	1026.3	********	*********	177051.	21.5	215.0	10.01	3.825	215.0	822.3	.000
22100.0	836.0	1026.3	-3.8613	-10.8912	176968.	21.5	214.9	10.01	3.825	214.9	821.9	.000
22000.0	835.9	1026.3	-1.3963	-4.3512	176501.	21.5	214.3	9.98	3.825	214.3	819.6	.000
21900.0	835.9	1026.3	-.9830	-3.2413	176033.	21.5	213.7	9.95	3.824	213.7	817.4	.000
21800.0	835.8	1026.3	-.7885	-2.7118	175563.	21.5	213.2	9.92	3.824	213.2	815.2	.000
21700.0	835.7	1026.2	-.6698	-2.3850	175092.	21.5	212.6	9.89	3.823	212.6	812.9	.000
21600.0	835.6	1026.2	-.5876	-2.1565	174620.	21.5	212.1	9.86	3.823	212.1	810.6	.000
21500.0	835.5	1026.2	-.5264	-1.9844	174147.	21.5	211.5	9.83	3.822	211.5	808.3	.000
21400.0	835.4	1026.1	-.4785	-1.8484	173672.	21.5	210.9	9.80	3.822	210.9	806.0	.000
21300.0	835.3	1026.1	-.4396	-1.7369	173196.	21.5	210.3	9.77	3.821	210.3	803.7	.000
21200.0	835.2	1026.1	-.4072	-1.6432	172719.	21.5	209.8	9.74	3.821	209.8	801.4	.000
21100.0	835.2	1026.0	-.3796	-1.5627	172241.	21.5	209.2	9.71	3.820	209.2	799.1	.000
21000.0	835.1	1026.0	-.3558	-1.4926	171761.	21.5	208.6	9.68	3.819	208.6	796.8	.000
20900.0	834.0	1026.0	-.3349	-1.4305	171279.	21.6	208.0	9.65	3.819	208.0	794.5	.000
20800.0	834.9	1025.9	-.3164	-1.3750	170797.	21.6	207.4	9.62	3.818	207.4	792.2	.000
20700.0	834.8	1025.9	-.2999	-1.3253	170313.	21.6	206.9	9.59	3.818	206.9	789.9	.000
20600.0	834.7	1025.9	-.2849	-1.2794	169827.	21.6	206.3	9.56	3.817	206.3	787.5	.000
20500.0	834.6	1025.9	-.2714	-1.2377	169340.	21.6	205.7	9.53	3.817	205.7	785.2	.000
20400.0	834.5	1025.9	-.2590	-1.1992	168852.	21.6	205.1	9.50	3.816	205.1	782.9	.000
20300.0	834.4	1025.8	-.2476	-1.1636	168362.	21.6	204.6	9.47	3.816	204.6	780.5	.000
20200.0	834.4	1025.8	-.2371	-1.1306	167871.	21.6	204.0	9.44	3.815	204.0	778.2	.000
20100.0	834.3	1025.8	-.2274	-1.0994	167379.	21.6	203.4	9.41	3.815	203.4	775.8	.000
20000.0	834.2	1025.8	-.2183	-1.0703	166885.	21.6	202.8	9.38	3.814	202.8	773.4	.000
19900.0	834.1	1025.7	-.2099	-1.0428	166389.	21.6	202.2	9.35	3.814	202.2	771.1	.000
19800.0	834.0	1025.7	-.2020	-1.0169	165892.	21.6	201.6	9.32	3.813	201.6	768.7	.000
19700.0	833.9	1025.7	-.1945	-.9926	165393.	21.6	201.0	9.29	3.813	201.0	766.3	.000
19600.0	833.8	1025.7	-.1875	-.9697	164893.	21.6	200.4	9.26	3.812	200.4	763.9	.000
19500.0	833.7	1025.7	-.1809	-.9470	164392.	21.7	199.8	9.23	3.812	199.8	761.5	.000
19400.0	833.6	1025.6	-.1747	-.9259	163889.	21.7	199.2	9.20	3.811	199.2	759.1	.000
19300.0	833.6	1025.6	-.1688	-.9057	163384.	21.7	198.6	9.16	3.810	198.6	756.7	.000
19200.0	833.5	1025.6	-.1632	-.8866	162878.	21.7	198.0	9.13	3.810	198.0	754.3	.000
19100.0	833.4	1025.6	-.1579	-.8679	162370.	21.7	197.3	9.10	3.810	197.3	751.8	.000
19000.0	833.3	1025.5	-.1528	-.8502	161861.	21.7	196.7	9.07	3.809	196.7	749.4	.000
18900.0	833.2	1025.5	-.1480	-.8331	161350.	21.7	196.1	9.04	3.809	196.1	746.9	.000
18800.0	833.1	1025.5	-.1433	-.8167	160837.	21.7	195.5	9.01	3.808	195.5	744.5	.000
18700.0	833.0	1025.5	-.1388	-.8009	160323.	21.7	194.9	8.98	3.808	194.9	742.0	.000
18600.0	832.9	1025.4	-.1347	-.7856	159807.	21.7	194.3	8.95	3.807	194.3	739.6	.000
18500.0	832.8	1025.4	-.1307	-.7709	159289.	21.7	193.6	8.91	3.807	193.6	737.1	.000
18400.0	832.8	1025.4	-.1270	-.7567	158770.	21.7	193.0	8.88	3.806	193.0	734.6	.000
18300.0	832.7	1025.4	-.1231	-.7430	158248.	21.7	192.4	8.85	3.806	192.4	732.1	.000
18200.0	832.6	1025.3	-.1196	-.7297	157726.	21.7	191.8	8.82	3.805	191.8	729.6	.000
18100.0	832.5	1025.3	-.1161	-.7168	157201.	21.8	191.1	8.79	3.805	191.1	727.2	.000
18000.0	832.4	1025.3	-.1129	-.7043	156675.	21.8	190.5	8.75	3.804	190.5	724.6	.000
17900.0	832.3	1025.3	-.1097	-.6922	156148.	21.8	189.9	8.72	3.804	189.9	722.1	.000
17800.0	832.2	1025.2	-.1066	-.6805	155617.	21.8	189.2	8.69	3.803	189.2	719.6	.000
17700.0	832.1	1025.2	-.1037	-.6691	155085.	21.8	188.6	8.66	3.803	188.6	717.1	.000
17600.0	832.0	1025.2	-.1009	-.6580	154551.	21.8	187.9	8.63	3.802	187.9	714.5	.000
17500.0	831.9	1025.1	-.0982	-.6473	154016.	21.8	187.3	8.59	3.802	187.3	712.0	.000
17400.0	831.8	1025.1	-.0955	-.6368	153478.	21.8	186.6	8.56	3.801	186.6	709.4	.000
17300.0	831.8	1025.1	-.0930	-.6267	152939.	21.8	186.0	8.53	3.800	186.0	706.9	.000
17200.0	831.7	1025.1	-.0905	-.6167	152398.	21.8	185.3	8.50	3.800	185.3	704.3	.000
17100.0	831.6	1024.1	-.0882	-.6071	151855.	21.8	184.7	8.46	3.799	184.7	701.7	.000
17000.0	831.5	1025.1	-.0859	-.5977	151310.	21.8	184.0	8.43	3.799	184.0	699.1	.000
16900.0	831.4	1025.0	-.0837	-.5885	150763.	21.8	183.4	8.40	3.798	183.4	696.5	.000
16800.0	831.3	1025.0	-.0815	-.5796	150214.	21.9	182.7	8.36	3.798	182.7	693.9	.000
16700.0	831.2	1025.0	-.0794	-.5709	149663.	21.9	182.0	8.33	3.797	182.0	691.3	.000
16600.0	831.1	1025.0	-.0774	-.5624	149110.	21.9	181.4	8.30	3.797	181.4	688.7	.000
16500.0	831.0	1025.0	-.0755	-.5543	148554.	21.9	180.7	8.26	3.796	180.7	686.0	.000
16400.0	830.9	1024.9	-.0736	-.5462	147997.	21.9	180.0	8.23	3.796	180.0	683.4	.000
16300.0	830.8	1024.9	-.0718	-.5383	147438.	21.9	179.4	8.20	3.795	179.4	680.7	.000
16200.0	830.8	1024.9	-.0700	-.5306	146876.	21.9	178.7	8.16	3.795	178.7	678.1	.000
16100.0	830.7	1024.9	-.0683	-.5227	146312.	21.9	178.0	8.13	3.794	178.0	675.4	.000
16000.0	830.6	1024.8	-.0666	-.5152	145746.	21.9	177.3	8.10	3.794	177.3	672.7	.000
15900.0	830.5	1024.8	-.0650	-.5078	145178.	21.9	176.6	8.06	3.793	176.6	670.0	.000
15800.0	830.4	1024.8	-.0634	-.5006	144608.	21.9	176.0	8.03	3.793	176.0	667.3	.000
15700.0	830.3	1024.8	-.0619	-.4934	144035.	21.9	175.3	7.99	3.792	175.3	664.6	.000
15600.0	830.2	1024.8	-.0604	-.4865	143460.	21.9	174.6	7.96	3.792	174.6	661.9	.000
15500.0	830.1	1024.7	-.0589	-.4797	142883.	21.9	173.9	7.92	3.791	173.9	659.2	.000
15400.0	830.0	1024.7	-.0575	-.4730	142304.	21.9	173.2	7.89	3.790	173.2	656.4	.000
15300.0	829.9	1024.7	-.0561	-.4664	141723.	22.0	172.5	7.85	3.790	172.5	653.7	.000
15200.0	829.8	1024.7	-.0547	-.4600	141139.	22.0	171.8	7.82	3.789	171.8	650.9	.000
15100.0	829.7	1024.7	-.0534	-.4535	140553.	22.0	171.1	7.79	3.789	171.1	648.1	.000
15000.0	829.6	1024.6	-.0521	-.4472	139965.	22.0	170.3	7.75	3.788	170.3	645.3	.000
14900.0	829.5	1024.6	-.0509	-.4410	139375.	22.0	169.6	7.72	3.788	169.6	642.5	.000
14800.0	829.5	1024.6	-.0496	-.4349	138782.	22.0	168.9	7.68	3.787	168.9	639.7	.000
14700.0	829.4	1024.6	-.0485	-.4289	138187.	22.0	168.2	7.65	3.787	168.2	636.9	.000
14600.0	829.3	1024.5	-.0473	-.4230	137590.	22.0	167.5	7.61	3.786	167.5	634.1	.000
14500.0	829.2	1024.5	-.0462	-.4172	136990.	22.0	166.7	7.57	3.786	166.7	631.3	.000
14400.0	829.1	1024.5	-.0450	-.4114	136387.	22.0	166.0	7.54	3.785	166.0	628.4	.000
14300.0	829.0	1024.5	-.0440	-.4058	135784.	22.0	165.3	7.50	3.785	165.3	625.6	.000
14200.0	828.9	1024.5	-.0429	-.4002	135178.	22.0	164.5	7.47	3.784	164.5	622.7	.000
14100.0	828.8	1024.4	-.0419	-.3949	134570.	22.0	163.8	7.43	3.784	163.8	619.8	.000
14000.0	828.7	1024.4	-.0409	-.3895	133959.	22.1	163.1	7.39	3.783	163.1	616.9	.000
13900.0	828.6	1024.4	-.0399	-.3839	133346.	22.1	162.3	7.36	3.783	162.3	614.0	.000
13800.0	828.5	1024.4	-.0389	-.3787	132644.	22.1	161.6	7.32	3.782	161.6	611.1	.000
13700.0	828.4	1024.4	-.0380	-.3735	132059.	22.1	160.8	7.28	3.781	160.8	608.1	.000
13600.0	828.3	1024.3	-.0371	-.3683	131432.	22.1	160.0	7.24	3.781	160.0	605.1	.000
13500.0	828.2	1024.3	-.0362	-.3632	130801.	22.1	159.3	7.21	3.780	159.3	602.2	.000
13400.0	828.1	1024.3	-.0353	-.3582	130168.	22.1	158.5	7.17	3.779	158.5	599.2	.000
13300.0	828.0	1024.3	-.0344	-.3533	129531.	22.1	157.7	7.14	3.779	157.7	596.2	.000
13200.0	827.9	1024.3	-.0336	-.3484	128891.	22.1	157.0	7.10	3.778	157.0	593.2	.000
13100.0	827.9	1024.2	-.0328	-.3435	128248.	22.1	156.2	7.06	3.778	156.2	590.2	.000
13000.0	827.8	1024.2	-.0320	-.3388	127601.	22.1	155.4	7.02	3.777	155.4	587.1	.000
12900.0	827.7	1024.2	-.0312	-.3340	126951.	22.1	154.6	6.99	3.777	154.6	584.0	.000
12800.0	827.6	1024.2	-.0304	-.3294	126298.	22.1	153.8	6.95	3.776	153.8	581.0	.000
12700.0	827.5	1024.1	-.0297	-.3247	125642.	22.2	153.0	6.91	3.776	153.0	577.9	.000
12600.0	827.4	1024.1	-.0290	-.3202	124982.	22.2	152.2	6.87	3.776	152.2	574.8	.000
12500.0	827.3	1024.1	-.0282	-.3157	124318.	22.2	151.4	6.83	3.775	151.4	571.7	.000
12400.0	827.2	1024.1	-.0275	-.3113	123651.	22.2	150.6	6.79	3.775	150.6	568.6	.000
12300.0	827.1	1024.1	-.0268	-.3068	122981.	22.2	149.8	6.75	3.774	149.8	565.4	.000
12200.0	827.0	1024.0	-.0262	-.3024	122306.	22.2	149.0	6.72	3.774	149.0	562.3	.000
12100.0	826.9	1024.0	-.0255	-.2980	121628.	22.2	148.2	6.68	3.773	148.2	559.1	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 910 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AME M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XE
12000.0	828.8	1024.6	-.0249	-.2938	1209[illegible]	22.2	147.4	6.64	3.772	147.4	555.9	.000
11900.0	828.7	1024.6	-.0242	-.2905	1205[illegible]	22.2	146.9	6.60	3.772	146.9	553.7	.000
11800.0	828.6	1024.6	-.0236	-.2873	1198[illegible]	22.2	145.7	6.56	3.771	145.7	549.4	.000
11700.0	828.5	1024.6	-.0230	-.2841	1188[illegible]	22.2	144.9	6.52	3.771	144.9	546.2	.000
11600.0	828.4	1023.8	-.0224	-.2790	1181[illegible]	22.2	144.0	6.48	3.770	144.1	543.0	.000
11500.0	828.3	1023.9	-.0219	-.2729	1174[illegible]	22.2	143.2	6.44	3.770	143.2	539.7	.000
11400.0	828.2	1023.9	-.0213	-.2689	1167[illegible]	22.3	142.3	6.40	3.769	142.3	536.4	.000
11300.0	828.1	1023.9	-.0207	-.2648	1160[illegible]	22.3	141.4	6.36	3.769	141.4	533.1	.000
11200.0	828.1	1023.9	-.0202	-.2609	1153[illegible]	22.3	140.6	6.31	3.768	140.6	529.7	.000
11100.0	828.0	1023.8	-.0197	-.2569	1146[illegible]	22.3	139.7	6.29	3.768	139.7	526.4	.000
11000.0	827.9	1023.8	-.0191	-.2530	1139[illegible]	22.3	138.8	6.23	3.767	138.8	523.0	.000
10900.0	827.8	1023.8	-.0186	-.2491	1132[illegible]	22.3	137.9	6.19	3.767	137.9	519.6	.000
10800.0	827.7	1023.8	-.0181	-.2453	1125[illegible]	22.3	137.1	6.15	3.766	137.1	516.3	.000
10700.0	827.6	1023.8	-.0176	-.2416	1118[illegible]	22.3	136.2	6.11	3.765	136.2	512.9	.000
10600.0	827.5	1023.8	-.0172	-.2377	1110[illegible]	22.3	135.3	6.06	3.765	135.3	509.2	.000
10500.0	827.4	1023.7	-.0167	-.2339	1102[illegible]	22.3	134.4	6.02	3.764	134.4	505.8	.000
10400.0	827.3	1023.7	-.0163	-.2302	1094[illegible]	22.3	133.4	5.98	3.764	133.4	502.2	.000
10300.0	827.2	1023.7	-.0158	-.2265	1086[illegible]	22.3	132.5	5.93	3.763	132.5	498.7	.000
10200.0	827.1	1023.7	-.0154	-.2228	1079[illegible]	22.3	131.6	5.89	3.763	131.6	495.2	.000
10100.0	827.0	1023.7	-.0149	-.2192	1071[illegible]	22.3	130.7	5.85	3.762	130.7	491.6	.000
10000.0	826.9	1023.6	-.0145	-.2156	1063[illegible]	22.4	129.7	5.80	3.762	129.7	488.0	.000
9900.0	826.8	1023.6	-.0140	-.2120	1055[illegible]	22.4	128.8	5.76	3.761	128.8	484.3	.000
9800.0	826.7	1023.6	-.0136	-.2084	1047[illegible]	22.4	127.8	5.71	3.761	127.8	480.7	.000
9700.0	826.6	1023.6	-.0131	-.2049	1040[illegible]	22.4	126.9	5.67	3.760	126.9	477.0	.000
9600.0	826.5	1023.6	-.0129	-.2013	1032[illegible]	22.4	125.9	5.62	3.759	125.9	473.3	.000
9500.0	826.4	1023.6	-.0125	-.1978	1024[illegible]	22.4	124.9	5.58	3.759	124.9	469.5	.000
9400.0	826.3	1023.5	-.0121	-.1944	1016[illegible]	22.4	123.9	5.53	3.758	123.9	465.8	.000
9300.0	826.2	1023.5	-.0118	-.1909	1008[illegible]	22.4	122.9	5.49	3.758	122.9	462.0	.000
9200.0	826.1	1023.5	-.0114	-.1875	999[illegible]	22.4	121.9	5.44	3.757	121.9	458.1	.000
9100.0	826.0	1023.5	-.0110	-.1841	991[illegible]	22.4	120.9	5.39	3.757	120.9	454.3	.000
9000.0	825.9	1023.5	-.0107	-.1807	983[illegible]	22.4	119.9	5.34	3.756	119.9	450.4	.000
8900.0	825.8	1023.5	-.0104	-.1773	974[illegible]	22.4	118.9	5.30	3.756	118.9	446.5	.000
8800.0	825.7	1023.4	-.0100	-.1740	966[illegible]	22.5	117.8	5.25	3.755	117.8	442.5	.000
8700.0	825.6	1023.4	-.0097	-.1706	957[illegible]	22.5	116.8	5.20	3.754	116.8	438.5	.000
8600.0	825.5	1023.4	-.0094	-.1673	948[illegible]	22.5	115.7	5.15	3.754	115.7	434.5	.000
8500.0	825.4	1023.4	-.0091	-.1640	940[illegible]	22.5	114.7	5.10	3.753	114.7	430.4	.000
8400.0	825.3	1023.4	-.0088	-.1608	931[illegible]	22.5	113.6	5.05	3.753	113.6	426.3	.000
8300.0	825.2	1023.3	-.0085	-.1575	922[illegible]	22.5	112.5	5.00	3.752	112.5	422.2	.000
8200.0	825.1	1023.3	-.0082	-.1543	913[illegible]	22.5	111.4	4.95	3.751	111.4	418.0	.000
8100.0	825.0	1023.3	-.0079	-.1510	904[illegible]	22.5	110.3	4.90	3.751	110.3	413.8	.000
8000.0	824.9	1023.3	-.0076	-.1478	894[illegible]	22.5	109.2	4.85	3.751	109.2	409.5	.000
7900.0	824.8	1023.3	-.0074	-.1446	885[illegible]	22.5	108.1	4.80	3.750	108.1	405.2	.000
7800.0	824.7	1023.3	-.0071	-.1414	876[illegible]	22.5	106.9	4.75	3.750	106.9	400.9	.000
7700.0	824.6	1023.3	-.0068	-.1383	866[illegible]	22.5	105.8	4.69	3.749	105.8	396.5	.000
7600.0	824.5	1023.2	-.0066	-.1351	857[illegible]	22.5	104.6	4.64	3.748	104.6	392.1	.000
7500.0	824.4	1023.2	-.0063	-.1320	847[illegible]	22.6	103.4	4.58	3.748	103.4	387.6	.000
7400.0	824.3	1023.2	-.0061	-.1288	837[illegible]	22.6	102.2	4.53	3.747	102.2	383.0	.000
7300.0	824.2	1023.2	-.0058	-.1257	827[illegible]	22.6	101.0	4.48	3.747	101.0	378.4	.000
7200.0	824.1	1023.2	-.0056	-.1226	817[illegible]	22.6	99.8	4.42	3.746	99.8	373.8	.000
7100.0	824.0	1023.2	-.0054	-.1195	807[illegible]	22.6	98.5	4.36	3.746	98.5	369.1	.000
7000.0	823.9	1023.1	-.0052	-.1164	797[illegible]	22.6	97.3	4.31	3.745	97.3	364.4	.000
6900.0	823.8	1023.1	-.0050	-.1134	786[illegible]	22.6	96.0	4.25	3.745	96.0	359.5	.000
6800.0	823.7	1023.1	-.0047	-.1103	775[illegible]	22.6	94.7	4.19	3.744	94.7	354.6	.000
6700.0	823.6	1023.1	-.0045	-.1072	765[illegible]	22.6	93.4	4.13	3.743	93.4	349.7	.000
6600.0	823.5	1023.1	-.0043	-.1042	754[illegible]	22.6	92.1	4.07	3.743	92.1	344.7	.000
6500.0	823.4	1023.1	-.0041	-.1011	743[illegible]	22.6	90.7	4.01	3.742	90.7	339.6	.000
6400.0	823.3	1023.0	-.0040	-.0981	732[illegible]	22.6	89.4	3.95	3.742	89.4	334.4	.000
6300.0	823.2	1023.0	-.0038	-.0951	720[illegible]	22.7	88.0	3.88	3.741	88.0	329.2	.000
6200.0	823.1	1023.0	-.0036	-.0921	709[illegible]	22.7	86.6	3.82	3.741	86.6	323.8	.000
6100.0	823.0	1023.0	-.0034	-.0890	697[illegible]	22.7	85.1	3.76	3.740	85.1	318.4	.000
6000.0	822.9	1023.0	-.0032	-.0860	685[illegible]	22.7	83.7	3.69	3.740	83.7	312.9	.000
5900.0	822.8	1023.0	-.0031	-.0830	673[illegible]	22.7	82.2	3.62	3.739	82.2	307.3	.000
5800.0	822.7	1023.0	-.0029	-.0800	661[illegible]	22.7	80.7	3.55	3.738	80.7	301.6	.000
5700.0	822.6	1022.9	-.0027	-.0770	649[illegible]	22.7	79.1	3.49	3.738	79.1	295.8	.000
5600.0	822.5	1022.9	-.0026	-.0740	637[illegible]	22.7	77.6	3.42	3.737	77.6	289.9	.000
5500.0	822.4	1022.9	-.0024	-.0710	625[illegible]	22.7	76.0	3.34	3.737	76.0	283.8	.000
5400.0	822.3	1022.9	-.0023	-.0680	612[illegible]	22.7	74.3	3.27	3.736	74.3	277.6	.000
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22.7	72.6	3.19	3.735	72.6	271.3	.000
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22.7	70.9	3.12	3.735	70.9	264.8	.000
5100.0	822.0	1022.9	-.0019	-.0591	586[illegible]	22.8	69.2	3.04	3.734	69.2	258.3	.000
5000.0	821.9	1022.8	-.0017	-.0561	573[illegible]	22.8	67.3	2.96	3.734	67.3	251.5	.000
4900.0	821.8	1022.8	-.0016	-.0531	559[illegible]	22.8	65.4	2.88	3.733	65.4	244.5	.000
4800.0	821.7	1022.8	-.0015	-.0501	545[illegible]	22.8	63.6	2.79	3.733	63.6	237.3	.000
4700.0	821.6	1022.8	-.0014	-.0471	531[illegible]	22.8	61.6	2.70	3.732	61.6	229.9	.000
4600.0	821.5	1022.8	-.0013	-.0441	516[illegible]	22.8	59.6	2.61	3.732	59.6	222.3	.000
4500.0	821.4	1022.8	-.0011	-.0411	501[illegible]	22.8	57.4	2.52	3.731	57.4	214.3	.000
4400.0	821.3	1022.8	-.0010	-.0381	485[illegible]	22.8	55.2	2.43	3.731	55.2	206.1	.000
4300.0	821.2	1022.7	-.0009	-.0350	469[illegible]	22.8	53.0	2.33	3.730	53.0	197.6	.000
4200.0	821.1	1022.7	-.0008	-.0320	453[illegible]	22.8	50.6	2.22	3.729	50.6	188.8	.000
4100.0	821.0	1022.7	-.0007	-.0290	436[illegible]	22.8	48.1	2.11	3.729	48.1	179.3	.000
4000.0	820.9	1022.7	-.0006	-.0259	419[illegible]	22.8	45.4	1.99	3.728	45.4	169.4	.000
3900.0	820.8	1022.7	-.0005	-.0229	401[illegible]	22.9	42.6	1.87	3.728	42.6	158.9	.000
3800.0	820.7	1022.7	-.0005	-.0198	383[illegible]	22.9	39.6	1.73	3.727	39.6	147.6	.000
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23.0	53.5	1.44	4.045	52.3	211.4	.031
3500.0	819.4	1022.6	-.0002	-.0104	287[illegible]	29.4	55.3	1.95	4.101	53.8	220.6	.036
3400.0	819.3	1022.6	-.0002	-.0074	280[illegible]	29.0	56.6	1.95	4.148	54.9	227.6	.040
3300.0	819.1	1022.6	-.0001	-.0042	273[illegible]	28.5	57.5	1.95	4.189	55.7	233.4	.043
3200.0	819.0	1022.6	-.0000	-.0011	267[illegible]	28.0	58.5	1.95	4.227	56.4	238.4	.046

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 920 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XE
23170.0	823.9	1073.4	********	********	173004.	25.0	213.6	8.53	3.589	213.6	766.5	.000
22100.0	822.9	1072.4	-3.8185	-10.6008	172909.	25.0	213.5	8.53	3.589	213.9	766.0	.000
22000.0	822.8	1072.3	-1.3781	-4.2269	172438.	25.0	212.9	8.50	3.588	212.9	763.4	.000
21900.0	822.7	1072.3	-.9492	-3.1452	171965.	25.0	212.3	8.48	3.588	212.3	761.7	.000
21800.0	822.6	1072.3	-.7767	-2.6702	171491.	25.1	211.7	8.45	3.587	211.7	759.5	.000
21700.0	822.5	1072.3	-.6593	-2.3106	171016.	25.1	211.1	8.43	3.587	211.1	757.3	.000
21600.0	822.4	1072.3	-.5781	-2.0879	170539.	25.1	210.6	8.40	3.586	210.6	755.2	.000
21500.0	822.3	1072.3	-.5176	-1.9201	170061.	25.1	210.0	8.37	3.586	210.0	753.0	.000
21400.0	822.2	1072.2	-.4702	-1.7975	169582.	25.1	209.4	8.35	3.585	209.4	750.8	.000
21300.0	822.1	1072.2	-.4317	-1.6788	169101.	25.1	208.8	8.32	3.585	208.8	748.6	.000
21200.0	822.0	1072.2	-.3997	-1.5875	168619.	25.1	208.2	8.30	3.584	208.2	746.3	.000
21100.0	821.9	1072.2	-.3725	-1.5090	168135.	25.1	207.6	8.27	3.584	207.6	744.1	.000
21000.0	821.8	1072.2	-.3490	-1.4406	167650.	25.1	207.0	8.24	3.583	207.0	741.9	.000
20900.0	821.7	1072.2	-.3283	-1.3801	167164.	25.1	206.5	8.22	3.583	206.5	739.7	.000
20800.0	821.6	1072.1	-.3101	-1.3260	166676.	25.1	205.9	8.19	3.582	205.9	737.4	.000
20700.0	821.5	1072.1	-.2937	-1.2772	166187.	25.1	205.3	8.16	3.582	205.3	735.2	.000
20600.0	821.4	1072.1	-.2790	-1.2327	165696.	25.2	204.7	8.14	3.581	204.7	732.9	.000
20500.0	821.3	1072.1	-.2656	-1.1920	165204.	25.2	204.1	8.11	3.581	204.1	730.7	.000
20400.0	821.2	1072.1	-.2534	-1.1545	164711.	25.2	203.5	8.08	3.580	203.5	728.4	.000
20300.0	821.1	1072.1	-.2421	-1.1197	164216.	25.2	202.9	8.06	3.580	202.9	726.2	.000
20200.0	821.0	1072.0	-.2318	-1.0874	163719.	25.2	202.3	8.03	3.579	202.3	723.9	.000
20100.0	820.9	1072.0	-.2222	-1.0571	163221.	25.2	201.6	8.00	3.579	201.6	721.6	.000
20000.0	820.8	1072.0	-.2132	-1.0287	162721.	25.2	201.0	7.98	3.578	201.0	719.3	.000
19900.0	820.8	1072.0	-.2049	-1.0019	162220.	25.2	200.4	7.95	3.578	200.4	717.0	.000
19800.0	820.7	1072.0	-.1971	-.9767	161717.	25.2	199.8	7.92	3.577	199.8	714.7	.000
19700.0	820.6	1072.0	-.1898	-.9527	161213.	25.2	199.2	7.89	3.577	199.2	712.4	.000
19600.0	820.5	1071.9	-.1829	-.9300	160707.	25.2	198.6	7.87	3.576	198.6	710.1	.000
19500.0	820.4	1071.9	-.1764	-.9084	160199.	25.2	198.0	7.84	3.576	198.0	707.8	.000
19400.0	820.3	1071.9	-.1702	-.8878	159690.	25.3	197.3	7.81	3.575	197.3	705.5	.000
19300.0	820.2	1071.9	-.1644	-.8681	159179.	25.3	196.7	7.79	3.575	196.7	703.2	.000
19200.0	820.1	1071.9	-.1589	-.8493	158667.	25.3	196.1	7.76	3.574	196.1	700.8	.000
19100.0	820.0	1071.9	-.1536	-.8312	158153.	25.3	195.5	7.73	3.573	195.5	698.5	.000
19000.0	819.9	1071.8	-.1487	-.8139	157637.	25.3	194.8	7.70	3.573	194.8	696.1	.000
18900.0	819.8	1071.8	-.1439	-.7975	157119.	25.3	194.2	7.68	3.572	194.2	693.8	.000
18800.0	819.7	1071.8	-.1394	-.7815	156600.	25.3	193.6	7.65	3.571	193.6	691.4	.000
18700.0	819.6	1071.8	-.1350	-.7657	156079.	25.3	193.0	7.62	3.571	193.0	689.0	.000
18600.0	819.5	1071.8	-.1309	-.7508	155556.	25.3	192.3	7.59	3.571	192.3	686.6	.000
18500.0	819.4	1071.8	-.1269	-.7365	155032.	25.3	191.6	7.56	3.570	191.6	684.3	.000
18400.0	819.3	1071.8	-.1231	-.7225	154506.	25.4	191.0	7.54	3.570	191.0	681.9	.000
18300.0	819.2	1071.7	-.1195	-.7092	153977.	25.4	190.4	7.51	3.569	190.4	679.5	.000
18200.0	819.1	1071.7	-.1160	-.6962	153447.	25.4	189.7	7.48	3.569	189.7	677.1	.000
18100.0	819.0	1071.7	-.1126	-.6836	152915.	25.4	189.1	7.45	3.568	189.1	674.6	.000
18000.0	818.9	1071.7	-.1094	-.6714	152382.	25.4	188.4	7.42	3.568	188.4	672.2	.000
17900.0	818.8	1071.7	-.1062	-.6596	151846.	25.4	187.8	7.40	3.567	187.8	669.8	.000
17800.0	818.7	1071.7	-.1033	-.6481	151309.	25.4	187.1	7.37	3.567	187.1	667.3	.000
17700.0	818.6	1071.7	-.1004	-.6370	150769.	25.4	186.4	7.34	3.566	186.4	664.9	.000
17600.0	818.5	1071.6	-.0976	-.6262	150228.	25.4	185.8	7.31	3.566	185.8	662.4	.000
17500.0	818.4	1071.6	-.0949	-.6157	149685.	25.4	185.1	7.28	3.565	185.1	660.0	.000
17400.0	818.3	1071.6	-.0923	-.6055	149139.	25.4	184.4	7.25	3.565	184.4	657.5	.000
17300.0	818.2	1071.6	-.0898	-.5956	148592.	25.4	183.8	7.22	3.564	183.8	655.0	.000
17200.0	818.1	1071.6	-.0874	-.5859	148043.	25.5	183.1	7.19	3.564	183.1	652.5	.000
17150.0	818.0	1071.6	-.0861	-.5814	147767.	25.5	182.8	7.17	3.563	182.8	651.2	.000
17000.0	817.9	1071.6	-.0829	-.5673	146938.	25.5	181.8	7.14	3.563	181.8	647.5	.000
16900.0	817.8	1071.5	-.0807	-.5583	146382.	25.5	181.1	7.11	3.562	181.1	645.0	.000
16800.0	817.7	1071.5	-.0786	-.5496	145825.	25.6	180.4	7.08	3.561	180.4	642.5	.000
16700.0	817.6	1071.5	-.0765	-.5410	145266.	25.6	179.7	7.05	3.561	179.7	639.9	.000
16600.0	817.5	1071.5	-.0746	-.5327	144703.	25.6	179.0	7.02	3.560	179.0	637.4	.000
16500.0	817.4	1071.5	-.0727	-.5244	144138.	25.6	178.3	6.99	3.560	178.3	634.8	.000
16400.0	817.3	1071.5	-.0709	-.5163	143572.	25.6	177.6	6.96	3.559	177.6	632.3	.000
16300.0	817.2	1071.5	-.0691	-.5084	143003.	25.6	176.9	6.93	3.559	176.9	629.7	.000
16200.0	817.1	1071.5	-.0673	-.5006	142432.	25.6	176.2	6.90	3.558	176.2	627.1	.000
16150.0	817.0	1071.4	-.0664	-.4969	142145.	25.6	175.9	6.89	3.558	175.9	625.8	.000
16000.0	816.9	1071.4	-.0640	-.4866	141283.	25.6	174.8	6.84	3.557	174.8	621.9	.000
15900.0	816.8	1071.4	-.0624	-.4794	140705.	25.6	174.1	6.81	3.557	174.1	619.3	.000
15800.0	816.7	1071.4	-.0608	-.4723	140125.	25.6	173.4	6.78	3.556	173.4	616.7	.000
15700.0	816.6	1071.4	-.0593	-.4654	139543.	25.6	172.7	6.75	3.555	172.7	614.1	.000
15600.0	816.5	1071.4	-.0579	-.4586	138959.	25.6	172.0	6.72	3.555	172.0	611.4	.000
15500.0	816.4	1071.4	-.0566	-.4519	138373.	25.6	171.3	6.69	3.555	171.3	608.8	.000
15400.0	816.3	1071.3	-.0553	-.4453	137786.	25.6	170.5	6.66	3.554	170.5	606.1	.000
15300.0	816.2	1071.3	-.0537	-.4388	137196.	25.6	169.8	6.63	3.554	169.8	603.4	.000
15200.0	816.1	1071.3	-.0523	-.4325	136604.	25.6	169.1	6.60	3.553	169.1	600.7	.000
15100.0	816.0	1071.3	-.0510	-.4262	136010.	25.6	168.3	6.57	3.553	168.3	598.0	.000
15000.0	815.9	1071.3	-.0498	-.4200	135391.	25.6	167.6	6.53	3.552	167.6	595.3	.000
14900.0	815.8	1071.3	-.0486	-.4140	134788.	25.7	166.9	6.50	3.551	166.9	592.6	.000
14800.0	815.7	1071.3	-.0474	-.4080	134182.	25.7	166.1	6.47	3.551	166.1	589.9	.000
14700.0	815.6	1071.3	-.0462	-.4022	133573.	25.7	165.4	6.44	3.550	165.4	587.2	.000
14600.0	815.5	1071.2	-.0451	-.3964	132961.	25.7	164.6	6.41	3.550	164.6	584.4	.000
14500.0	815.4	1071.2	-.0440	-.3907	132347.	25.7	163.9	6.38	3.549	163.9	581.6	.000
14400.0	815.3	1071.2	-.0429	-.3851	131729.	25.7	163.1	6.35	3.549	163.1	578.9	.000
14300.0	815.2	1071.2	-.0418	-.3795	131109.	25.7	162.4	6.31	3.548	162.4	576.1	.000
14200.0	815.1	1071.2	-.0408	-.3741	130485.	25.7	161.6	6.28	3.548	161.6	573.3	.000
14100.0	815.0	1071.2	-.0398	-.3687	129859.	25.7	160.8	6.25	3.547	160.8	570.5	.000
14000.0	814.9	1071.2	-.0388	-.3634	129230.	25.7	160.0	6.22	3.547	160.0	567.6	.000
13900.0	814.8	1071.2	-.0378	-.3582	128597.	25.7	159.3	6.19	3.546	159.3	564.8	.000
13800.0	814.7	1071.2	-.0369	-.3530	127962.	25.8	158.5	6.16	3.546	158.5	561.9	.000
13700.0	814.6	1071.1	-.0360	-.3479	127323.	25.8	157.7	6.12	3.545	157.7	559.1	.000
13600.0	814.5	1071.1	-.0351	-.3429	126681.	25.8	156.9	6.09	3.544	156.9	556.2	.000
13500.0	814.4	1071.1	-.0342	-.3379	126036.	25.8	156.1	6.05	3.544	156.1	553.3	.000
13400.0	814.3	1071.1	-.0334	-.3330	125387.	25.8	155.3	6.02	3.543	155.3	550.4	.000
13300.0	814.2	1071.1	-.0325	-.3281	124735.	25.8	154.5	5.99	3.543	154.5	547.5	.000
13200.0	814.1	1071.1	-.0317	-.3233	124079.	25.8	153.7	5.95	3.542	153.7	544.5	.000
13100.0	814.0	1071.1	-.0309	-.3184	123420.	25.8	152.9	5.92	3.542	152.9	541.6	.000
13000.0	813.9	1071.1	-.0301	-.3139	122758.	25.8	152.1	5.89	3.541	152.1	538.6	.000
12900.0	813.8	1071.1	-.0294	-.3093	122092.	25.8	151.3	5.85	3.541	151.3	535.6	.000
12800.0	813.7	1071.0	-.0286	-.3047	121422.	25.9	150.5	5.82	3.540	150.5	532.6	.000
12700.0	813.6	1071.0	-.0279	-.3002	120748.	25.9	149.6	5.79	3.540	149.6	529.6	.000
12600.0	813.4	1071.0	-.0272	-.2957	120071.	25.9	148.8	5.75	3.539	148.8	526.6	.000
12500.0	813.3	1071.0	-.0265	-.2913	119390.	25.9	148.0	5.72	3.539	148.0	523.5	.000
12400.0	813.2	1071.0	-.0258	-.2869	118705.	25.9	147.1	5.68	3.538	147.1	520.5	.000
12300.0	813.1	1071.0	-.0252	-.2826	118016.	25.9	146.3	5.65	3.537	146.3	517.4	.000
12200.0	813.0	1071.0	-.0245	-.2783	117323.	25.9	145.4	5.61	3.537	145.4	514.3	.000
12100.0	812.9	1071.0	-.0239	-.2740	116625.	25.9	144.6	5.58	3.536	144.6	511.2	.000

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 520 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
12000.0	812.8	1071.0	-.0232	-.2698	115924.	25.9	143.7	5.54	3.536	143.7	508.1	.000
11900.0	812.7	1071.0	-.0226	-.2657	115218.	25.9	142.8	5.51	3.535	142.8	504.9	.000
11800.0	812.6	1070.9	-.0220	-.2615	114508.	25.9	141.9	5.47	3.535	141.9	501.7	.000
11700.0	812.5	1070.9	-.0214	-.2574	113793.	26.0	141.1	5.43	3.534	141.1	498.6	.000
11600.0	812.4	1070.9	-.0209	-.2534	113074.	26.0	140.2	5.40	3.534	140.2	495.3	.000
11500.0	812.3	1070.9	-.0203	-.2494	112350.	26.0	139.3	5.36	3.533	139.3	492.1	.000
11400.0	812.2	1070.9	-.0198	-.2454	111622.	26.0	138.4	5.33	3.533	138.4	488.9	.000
11300.0	812.1	1070.9	-.0192	-.2415	110889.	26.0	137.5	5.29	3.532	137.5	485.6	.000
11200.0	812.0	1070.9	-.0187	-.2376	110151.	26.0	136.6	5.25	3.531	136.6	482.3	.000
11100.0	811.9	1070.9	-.0182	-.2337	109407.	26.0	135.7	5.22	3.531	135.7	479.0	.000
11000.0	811.8	1070.9	-.0177	-.2299	108659.	26.0	134.7	5.18	3.530	134.7	475.7	.000
10900.0	811.7	1070.9	-.0172	-.2261	107906.	26.0	133.8	5.14	3.530	133.8	472.3	.000
10800.0	811.6	1070.8	-.0167	-.2223	107147.	26.0	132.9	5.10	3.529	132.9	469.0	.000
10700.0	811.4	1070.8	-.0162	-.2185	106383.	26.1	131.9	5.06	3.529	131.9	465.6	.000
10600.0	811.3	1070.8	-.0156	-.2148	105613.	26.1	131.0	5.03	3.528	131.0	462.1	.000
10500.0	811.2	1070.8	-.0153	-.2112	104838.	26.1	130.0	4.99	3.528	130.0	458.7	.000
10400.0	811.1	1070.8	-.0148	-.2075	104056.	26.1	129.1	4.95	3.527	129.1	455.2	.000
10300.0	811.0	1070.8	-.0143	-.2039	103269.	26.1	128.1	4.91	3.527	128.1	451.7	.000
10230.0	810.9	1070.8	-.0140	-.2003	102476.	26.1	127.1	4.87	3.526	127.1	448.2	.000
10100.0	810.8	1070.8	-.0136	-.1967	101677.	26.1	126.1	4.83	3.525	126.1	444.7	.000
10000.0	810.7	1070.8	-.0132	-.1931	100871.	26.1	125.1	4.79	3.525	125.1	441.1	.000
9900.0	810.6	1070.8	-.0128	-.1896	100059.	26.1	124.1	4.75	3.524	124.1	437.5	.000
9800.0	810.5	1070.8	-.0124	-.1861	99240.	26.1	123.1	4.71	3.524	123.1	433.9	.000
9700.0	810.4	1070.8	-.0120	-.1826	98414.	26.1	122.1	4.67	3.523	122.1	430.2	.000
9600.0	810.3	1070.8	-.0117	-.1792	97581.	26.2	121.1	4.63	3.523	121.1	426.5	.000
9500.0	810.2	1070.8	-.0113	-.1758	96741.	26.2	120.0	4.59	3.522	120.0	422.8	.000
9400.0	810.1	1070.7	-.0109	-.1724	95894.	26.2	119.0	4.55	3.521	119.0	419.0	.000
9300.0	810.0	1070.7	-.0106	-.1690	95039.	26.2	117.9	4.50	3.521	117.9	415.3	.000
9200.0	809.8	1070.7	-.0102	-.1656	94176.	26.2	116.9	4.46	3.520	116.9	411.4	.000
9100.0	809.7	1070.7	-.0099	-.1623	93305.	26.2	115.8	4.42	3.520	115.8	407.6	.000
9000.0	809.6	1070.7	-.0096	-.1589	92426.	26.2	114.7	4.38	3.519	114.7	403.7	.000
8900.0	809.5	1070.7	-.0093	-.1556	91539.	26.2	113.6	4.33	3.519	113.6	399.8	.000
8800.0	809.4	1070.7	-.0089	-.1523	90643.	26.2	112.5	4.29	3.518	112.5	395.8	.000
8700.0	809.3	1070.7	-.0086	-.1491	89738.	26.2	111.4	4.24	3.517	111.4	391.8	.000
8600.0	809.2	1070.7	-.0083	-.1458	88824.	26.3	110.3	4.20	3.517	110.3	387.8	.000
8500.0	809.1	1070.7	-.0080	-.1426	87900.	26.3	109.1	4.15	3.517	109.1	383.7	.000
8400.0	809.0	1070.7	-.0077	-.1394	86966.	26.3	108.0	4.11	3.516	108.0	379.6	.000
8300.0	808.9	1070.7	-.0075	-.1362	86023.	26.3	106.8	4.06	3.515	106.8	375.4	.000
8200.0	808.8	1070.7	-.0072	-.1330	85068.	26.3	105.6	4.02	3.515	105.6	371.2	.000
8100.0	808.7	1070.7	-.0069	-.1298	84103.	26.3	104.4	3.97	3.514	104.4	367.0	.000
8000.0	808.5	1070.7	-.0067	-.1267	83127.	26.3	103.2	3.92	3.514	103.2	362.7	.000
7900.0	808.4	1070.6	-.0064	-.1235	82139.	26.3	102.0	3.87	3.513	102.0	358.3	.000
7800.0	808.3	1070.6	-.0062	-.1204	81138.	26.3	100.8	3.83	3.513	100.8	353.9	.000
7700.0	808.2	1070.6	-.0059	-.1173	80126.	26.3	99.5	3.78	3.512	99.5	349.5	.000
7600.0	808.1	1070.6	-.0057	-.1142	79100.	26.4	98.2	3.73	3.511	98.2	344.9	.000
7500.0	808.0	1070.6	-.0054	-.1111	78061.	26.4	96.9	3.68	3.511	96.9	340.4	.000
7400.0	807.9	1070.6	-.0052	-.1080	77008.	26.4	95.6	3.63	3.510	95.6	335.7	.000
7300.0	807.8	1070.6	-.0050	-.1050	75940.	26.4	94.3	3.57	3.510	94.3	331.1	.000
7200.0	807.7	1070.6	-.0048	-.1019	74857.	26.4	93.0	3.52	3.509	93.0	326.3	.000
7100.0	807.6	1070.6	-.0045	-.0989	73759.	26.4	91.6	3.47	3.509	91.6	321.5	.000
7000.0	807.4	1070.6	-.0043	-.0958	72643.	26.4	90.2	3.42	3.508	90.2	316.6	.000
6900.0	807.3	1070.6	-.0041	-.0928	71510.	26.4	88.8	3.36	3.508	88.8	311.6	.000
6800.0	807.2	1070.6	-.0039	-.0898	70359.	26.4	87.4	3.31	3.507	87.4	306.5	.000
6700.0	807.1	1070.6	-.0037	-.0868	69188.	26.4	86.0	3.25	3.506	86.0	301.4	.000
6600.0	807.0	1070.6	-.0036	-.0838	67998.	26.5	84.5	3.19	3.506	84.5	296.2	.000
6500.0	806.9	1070.6	-.0034	-.0808	66786.	26.5	83.0	3.14	3.505	83.0	290.9	.000
6400.0	806.8	1070.6	-.0032	-.0778	65552.	26.5	81.5	3.08	3.505	81.5	285.5	.000
6300.0	806.7	1070.6	-.0030	-.0749	64294.	26.5	79.9	3.02	3.504	79.9	280.0	.000
6200.0	806.6	1070.6	-.0028	-.0719	63010.	26.5	78.3	2.96	3.504	78.3	274.3	.000
6100.0	806.4	1070.6	-.0027	-.0689	61701.	26.5	76.7	2.89	3.503	76.7	268.6	.000
6000.0	806.3	1070.6	-.0025	-.0660	60362.	26.5	75.0	2.83	3.502	75.0	262.7	.000
5900.0	806.2	1070.6	-.0024	-.0630	58994.	26.5	73.3	2.76	3.502	73.3	256.8	.000
5800.0	806.1	1070.6	-.0022	-.0601	57592.	26.5	71.6	2.70	3.501	71.6	250.6	.000
5700.0	806.0	1070.6	-.0021	-.0571	56156.	26.5	69.8	2.63	3.501	69.8	244.3	.000
5600.0	805.9	1070.5	-.0019	-.0542	54682.	26.6	68.0	2.56	3.500	68.0	237.9	.000
5500.0	805.8	1070.5	-.0018	-.0512	53167.	26.6	66.1	2.49	3.500	66.1	231.3	.000
5400.0	805.7	1070.5	-.0016	-.0483	51608.	26.6	64.2	2.41	3.499	64.2	224.5	.000
5300.0	805.5	1070.5	-.0015	-.0454	50000.	26.6	62.2	2.34	3.498	62.2	217.5	.000
5200.0	805.4	1070.5	-.0014	-.0424	48336.	26.6	60.1	2.26	3.498	60.1	210.2	.000
5100.0	805.3	1070.5	-.0013	-.0395	46618.	26.6	58.0	2.18	3.497	58.0	202.7	.000
5000.0	805.2	1070.5	-.0012	-.0365	44831.	26.6	55.7	2.09	3.497	55.7	194.9	.000
4900.0	805.1	1070.5	-.0010	-.0336	42970.	26.6	53.4	2.01	3.496	53.4	186.8	.000
4800.0	805.0	1070.5	-.0009	-.0307	41024.	26.6	51.0	1.91	3.495	51.0	178.3	.000
4700.0	804.9	1070.5	-.0008	-.0277	38982.	26.7	48.5	1.82	3.495	48.5	169.4	.000
4600.0	804.8	1070.5	-.0007	-.0248	36826.	26.7	45.8	1.72	3.494	45.8	160.0	.000
4500.0	804.6	1070.5	-.0006	-.0218	34536.	26.7	43.0	1.61	3.494	43.0	150.1	.000
4400.0	804.5	1070.5	-.0005	-.0188	33086.	30.7	56.2	1.83	3.736	55.1	205.9	.027
4300.0	804.4	1070.5	-.0004	-.0159	32448.	31.6	58.5	1.85	3.797	57.1	216.7	.033
4200.0	804.3	1070.5	-.0003	-.0129	31637.	32.3	60.1	1.86	3.845	58.4	224.7	.038
4100.0	804.2	1070.5	-.0003	-.0099	30912.	32.9	61.4	1.86	3.886	59.4	231.0	.042
4000.0	804.1	1070.5	-.0002	-.0069	30252.	33.4	62.4	1.87	3.923	60.3	236.4	.045
3900.0	804.0	1070.5	-.0001	-.0039	29645.	33.8	63.2	1.87	3.956	60.9	241.1	.048
3800.0	803.9	1070.5	-.0000	-.0009	29079.	34.2	64.0	1.87	3.987	61.5	245.2	.051

TABLE 2. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 530 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
22170.0	809.0	1119.1	*******	********	168503.	29.0	211.7	7.30	3.371	211.7	713.7	.000
22100.0	809.0	1119.1	-3.7720	-10.7951	168407.	29.0	211.6	7.29	3.371	211.6	713.3	.000
22000.0	808.9	1119.1	-1.3584	-4.0960	167930.	29.0	211.0	7.27	3.370	211.0	711.2	.000
21900.0	808.8	1119.1	-.9541	-3.0440	167452.	29.0	210.4	7.25	3.370	210.4	709.1	.000
21800.0	808.7	1119.1	-.7639	-2.5421	166972.	29.0	209.8	7.22	3.369	209.8	707.0	.000
21700.0	808.5	1119.1	-.6479	-2.2323	166490.	29.1	209.2	7.20	3.369	209.2	704.9	.000
21600.0	808.5	1119.1	-.5697	-2.0156	166008.	29.1	208.6	7.18	3.368	208.6	702.8	.000
21500.0	808.4	1119.1	-.5079	-1.8525	165524.	29.1	208.0	7.15	3.368	208.0	700.6	.000
21400.0	808.3	1119.1	-.4611	-1.7236	165038.	29.1	207.4	7.13	3.367	207.4	698.5	.000
21300.0	808.2	1119.1	-.4232	-1.6177	164551.	29.1	206.8	7.11	3.367	206.8	696.4	.000
21200.0	808.1	1119.1	-.3916	-1.5288	164063.	29.1	206.2	7.08	3.366	206.2	694.2	.000
21100.0	807.9	1119.1	-.3647	-1.4525	163573.	29.1	205.6	7.06	3.366	205.6	692.1	.000
21000.0	807.8	1119.1	-.3415	-1.3859	163082.	29.1	205.0	7.04	3.365	205.0	689.9	.000
20900.0	807.7	1119.0	-.3212	-1.3270	162589.	29.2	204.4	7.01	3.365	204.4	687.8	.000
20800.0	807.6	1119.0	-.3031	-1.2743	162094.	29.2	203.8	6.99	3.364	203.8	685.6	.000
20700.0	807.5	1119.0	-.2870	-1.2268	161598.	29.2	203.2	6.97	3.364	203.2	683.4	.000
20600.0	807.4	1119.0	-.2725	-1.1835	161101.	29.2	202.6	6.94	3.363	202.6	681.3	.000
20500.0	807.3	1119.0	-.2593	-1.1439	160602.	29.2	202.0	6.92	3.362	202.0	679.1	.000
20400.0	807.2	1119.0	-.2473	-1.1074	160101.	29.2	201.3	6.90	3.362	201.3	676.9	.000
20300.0	807.1	1119.0	-.2362	-1.0735	159599.	29.2	200.7	6.87	3.361	200.7	674.7	.000
20200.0	807.0	1119.0	-.2260	-1.0420	159096.	29.2	200.1	6.85	3.361	200.1	672.5	.000
20100.0	806.9	1119.0	-.2165	-1.0125	158590.	29.2	199.5	6.82	3.360	199.5	670.3	.000
20000.0	806.8	1119.0	-.2077	-.9849	158083.	29.2	198.8	6.80	3.360	198.8	668.1	.000
19900.0	806.7	1119.0	-.1995	-.9588	157575.	29.3	198.2	6.78	3.359	198.2	665.8	.000
19800.0	806.6	1119.0	-.1918	-.9342	157065.	29.3	197.6	6.75	3.359	197.6	663.6	.000
19700.0	806.5	1119.0	-.1846	-.9109	156553.	29.3	196.9	6.73	3.358	196.9	661.4	.000
19600.0	806.4	1119.0	-.1778	-.8887	156039.	29.3	196.3	6.70	3.358	196.3	659.1	.000
19500.0	806.3	1119.0	-.1714	-.8677	155524.	29.3	195.7	6.68	3.357	195.7	656.9	.000
19400.0	806.2	1119.0	-.1654	-.8476	155007.	29.3	195.0	6.66	3.357	195.0	654.6	.000
19300.0	806.1	1119.0	-.1597	-.8284	154488.	29.3	194.4	6.63	3.356	194.4	652.4	.000
19200.0	805.9	1119.0	-.1542	-.8100	153967.	29.3	193.7	6.61	3.356	193.7	650.1	.000
19100.0	805.8	1119.0	-.1491	-.7925	153445.	29.3	193.1	6.58	3.355	193.1	647.8	.000
19000.0	805.7	1119.0	-.1441	-.7756	152921.	29.3	192.4	6.56	3.355	192.4	645.5	.000
18900.0	805.6	1119.0	-.1395	-.7593	152395.	29.4	191.8	6.53	3.354	191.8	643.2	.000
18800.0	805.5	1119.0	-.1350	-.7437	151867.	29.4	191.1	6.51	3.354	191.1	640.9	.000
18700.0	805.4	1119.0	-.1307	-.7287	151338.	29.4	190.5	6.48	3.353	190.5	638.6	.000
18600.0	805.3	1119.0	-.1267	-.7141	150806.	29.4	189.8	6.46	3.353	189.8	636.3	.000
18500.0	805.2	1118.9	-.1228	-.7001	150273.	29.4	189.1	6.43	3.352	189.1	634.0	.000
18400.0	805.1	1118.9	-.1190	-.6866	149738.	29.4	188.5	6.41	3.352	188.5	631.7	.000
18300.0	805.0	1118.9	-.1154	-.6735	149200.	29.4	187.8	6.38	3.351	187.8	629.3	.000
18200.0	804.9	1118.9	-.1120	-.6608	148661.	29.4	187.1	6.36	3.350	187.1	627.0	.000
18100.0	804.8	1118.9	-.1087	-.6486	148120.	29.4	186.5	6.33	3.350	186.5	624.6	.000
18000.0	804.7	1118.9	-.1055	-.6367	147577.	29.5	185.8	6.31	3.349	185.8	622.3	.000
17900.0	804.5	1118.9	-.1025	-.6252	147032.	29.5	185.1	6.28	3.349	185.1	619.9	.000
17800.0	804.4	1118.9	-.0995	-.6140	146485.	29.5	184.4	6.26	3.348	184.4	617.5	.000
17700.0	804.3	1118.9	-.0967	-.6031	145935.	29.5	183.7	6.23	3.348	183.7	615.2	.000
17600.0	804.2	1118.9	-.0940	-.5926	145384.	29.5	183.1	6.21	3.347	183.1	612.8	.000
17500.0	804.1	1118.9	-.0914	-.5823	144831.	29.5	182.4	6.18	3.347	182.4	610.4	.000
17400.0	804.0	1118.9	-.0888	-.5724	144275.	29.5	181.7	6.16	3.346	181.7	608.0	.000
17300.0	803.9	1118.9	-.0864	-.5627	143717.	29.5	181.0	6.13	3.346	181.0	605.5	.000
17200.0	803.8	1118.8	-.0840	-.5532	143157.	29.6	180.3	6.10	3.345	180.3	603.1	.000
17100.0	803.7	1118.8	-.0817	-.5440	142595.	29.6	179.6	6.08	3.345	179.6	600.7	.000
17000.0	803.6	1118.8	-.0795	-.5351	142031.	29.6	178.9	6.05	3.344	178.9	598.2	.000
16900.0	803.5	1118.8	-.0774	-.5263	141464.	29.6	178.2	6.03	3.344	178.2	595.8	.000
16800.0	803.4	1118.8	-.0754	-.5178	140895.	29.6	177.5	6.00	3.343	177.5	593.3	.000
16700.0	803.2	1118.8	-.0734	-.5095	140324.	29.6	176.8	5.97	3.342	176.8	590.8	.000
16600.0	803.1	1118.8	-.0714	-.5014	139751.	29.6	176.1	5.95	3.342	176.1	588.4	.000
16500.0	803.0	1118.8	-.0696	-.4937	139175.	29.6	175.3	5.92	3.341	175.3	585.9	.000
16400.0	802.9	1118.8	-.0678	-.4859	138596.	29.6	174.6	5.89	3.341	174.6	583.4	.000
16300.0	802.8	1118.8	-.0661	-.4783	138015.	29.6	173.9	5.87	3.340	173.9	580.9	.000
16200.0	802.7	1118.8	-.0644	-.4708	137432.	29.7	173.2	5.84	3.340	173.2	578.3	.000
16100.0	802.6	1118.8	-.0627	-.4635	136846.	29.7	172.4	5.81	3.339	172.4	575.8	.000
16000.0	802.5	1118.8	-.0611	-.4563	136258.	29.7	171.7	5.79	3.339	171.7	573.3	.000
15900.0	802.4	1118.8	-.0595	-.4493	135667.	29.7	171.0	5.76	3.338	171.0	570.7	.000
15800.0	802.3	1118.8	-.0580	-.4424	135074.	29.7	170.2	5.73	3.338	170.2	568.2	.000
15700.0	802.1	1118.8	-.0564	-.4356	134478.	29.7	169.5	5.71	3.337	169.5	565.6	.000
15600.0	802.0	1118.8	-.0551	-.4290	133879.	29.7	168.7	5.68	3.337	168.7	563.0	.000
15500.0	801.9	1118.8	-.0537	-.4224	133278.	29.7	168.0	5.65	3.336	168.0	560.4	.000
15400.0	801.8	1118.8	-.0523	-.4160	132673.	29.7	167.2	5.62	3.335	167.2	557.8	.000
15300.0	801.7	1118.8	-.0510	-.4097	132067.	29.8	166.5	5.60	3.335	166.5	555.2	.000
15200.0	801.6	1118.8	-.0497	-.4035	131457.	29.8	165.7	5.57	3.334	165.7	552.6	.000
15100.0	801.5	1118.8	-.0485	-.3974	130844.	29.8	165.0	5.54	3.334	165.0	549.9	.000
15000.0	801.4	1118.8	-.0472	-.3913	130229.	29.8	164.2	5.51	3.333	164.2	547.3	.000
14900.0	801.3	1118.8	-.0460	-.3854	129610.	29.8	163.4	5.48	3.333	163.4	544.6	.000
14800.0	801.1	1118.8	-.0449	-.3796	128989.	29.8	162.6	5.46	3.332	162.6	541.9	.000
14700.0	801.0	1118.8	-.0437	-.3739	128364.	29.8	161.9	5.43	3.332	161.9	539.3	.000
14600.0	800.9	1118.8	-.0426	-.3682	127737.	29.8	161.1	5.40	3.331	161.1	536.6	.000
14500.0	800.8	1118.8	-.0415	-.3626	127106.	29.8	160.3	5.37	3.331	160.3	533.9	.000
14400.0	800.7	1118.8	-.0405	-.3572	126472.	29.9	159.5	5.34	3.330	159.5	531.1	.000
14300.0	800.6	1118.8	-.0395	-.3518	125835.	29.9	158.7	5.31	3.330	158.7	528.4	.000
14200.0	800.5	1118.8	-.0385	-.3464	125195.	29.9	157.9	5.29	3.329	157.9	525.6	.000
14100.0	800.4	1118.8	-.0375	-.3412	124551.	29.9	157.1	5.26	3.328	157.1	522.9	.000
14000.0	800.2	1118.8	-.0365	-.3360	123905.	29.9	156.3	5.23	3.328	156.3	520.1	.000
13900.0	800.1	1118.8	-.0356	-.3309	123254.	29.9	155.5	5.20	3.327	155.5	517.3	.000
13800.0	800.0	1118.8	-.0347	-.3259	122600.	29.9	154.7	5.17	3.327	154.7	514.5	.000
13700.0	799.9	1118.8	-.0338	-.3208	121943.	29.9	153.8	5.14	3.326	153.8	511.7	.000
13600.0	799.8	1118.8	-.0329	-.3159	121282.	29.9	153.0	5.11	3.326	153.0	508.9	.000
13500.0	799.7	1118.8	-.0321	-.3110	120618.	30.0	152.2	5.08	3.325	152.2	506.0	.000
13400.0	799.6	1118.8	-.0312	-.3062	119950.	30.0	151.3	5.05	3.325	151.3	503.2	.000
13300.0	799.5	1118.8	-.0304	-.3015	119278.	30.0	150.5	5.02	3.324	150.5	500.3	.000
13200.0	799.3	1118.8	-.0296	-.2968	118602.	30.0	149.7	4.99	3.323	149.7	497.4	.000
13100.0	799.2	1118.8	-.0289	-.2922	117922.	30.0	148.8	4.96	3.323	148.8	494.5	.000
13000.0	799.1	1118.8	-.0281	-.2876	117238.	30.0	148.0	4.93	3.322	148.0	491.6	.000
12900.0	799.0	1118.8	-.0274	-.2831	116551.	30.0	147.1	4.90	3.322	147.1	488.6	.000
12800.0	798.8	1118.8	-.0267	-.2786	115859.	30.0	146.2	4.87	3.321	146.2	485.7	.000
12700.0	798.7	1118.8	-.0260	-.2741	115163.	30.0	145.4	4.84	3.321	145.4	482.7	.000
12600.0	798.7	1118.8	-.0253	-.2698	114463.	30.1	144.5	4.81	3.320	144.5	479.7	.000
12500.0	798.5	1118.8	-.0246	-.2654	113758.	30.1	143.6	4.78	3.320	143.6	476.7	.000
12400.0	798.4	1118.8	-.0239	-.2611	113050.	30.1	142.7	4.74	3.319	142.7	473.7	.000
12300.0	798.3	1118.8	-.0233	-.2569	112338.	30.1	141.8	4.71	3.318	141.8	470.6	.000
12200.0	798.1	1118.8	-.0227	-.2527	111618.	30.1	140.9	4.68	3.318	140.9	467.6	.000
12100.0	798.1	1118.8	-.0220	-.2485	110896.	30.1	140.0	4.65	3.317	140.0	464.5	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 530 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XE
12000.0	798.0	1118.8	-.0214	-.2444	110168.	30.1	139.1	4.62	3.317	139.1	461.4	.000
11900.0	797.9	1118.8	-.0209	-.2404	109436.	30.1	138.2	4.58	3.316	138.2	458.3	.000
11800.0	797.7	1118.8	-.0203	-.2363	108699.	30.2	137.3	4.55	3.316	137.3	455.1	.000
11700.0	797.6	1118.8	-.0197	-.2323	107957.	30.2	136.3	4.52	3.315	136.3	452.0	.000
11600.0	797.5	1118.8	-.0192	-.2284	107209.	30.2	135.4	4.49	3.315	135.4	448.8	.000
11500.0	797.4	1118.8	-.0186	-.2244	106457.	30.2	134.4	4.45	3.314	134.4	445.6	.000
11400.0	797.3	1118.8	-.0181	-.2205	105698.	30.2	133.5	4.42	3.313	133.5	442.3	.000
11300.0	797.1	1118.8	-.0176	-.2167	104935.	30.2	132.5	4.39	3.313	132.5	439.1	.000
11200.0	797.0	1118.8	-.0171	-.2129	104166.	30.2	131.6	4.35	3.312	131.6	435.8	.000
11100.0	796.9	1118.9	-.0166	-.2091	103391.	30.2	130.6	4.32	3.312	130.6	432.5	.000
11000.0	796.8	1118.8	-.0161	-.2053	102610.	30.2	129.6	4.29	3.311	129.6	429.2	.000
10900.0	796.7	1118.8	-.0156	-.2016	101823.	30.3	128.6	4.25	3.311	128.6	425.9	.000
10800.0	796.6	1118.8	-.0152	-.1979	101031.	30.3	127.6	4.22	3.310	127.6	422.4	.000
10700.0	796.4	1118.8	-.0147	-.1942	100231.	30.3	126.6	4.18	3.310	126.6	419.1	.000
10600.0	796.3	1118.9	-.0143	-.1906	99426.	30.3	125.6	4.15	3.309	125.6	415.7	.000
10500.0	796.2	1118.9	-.0138	-.1870	98614.	30.3	124.6	4.11	3.308	124.6	412.3	.000
10400.0	796.1	1118.9	-.0134	-.1834	97795.	30.3	123.6	4.08	3.308	123.6	408.8	.000
10300.0	796.0	1118.9	-.0130	-.1798	96969.	30.3	122.5	4.04	3.307	122.5	405.3	.000
10200.0	795.9	1118.9	-.0126	-.1763	96136.	30.3	121.5	4.00	3.307	121.5	401.8	.000
10100.0	795.7	1118.9	-.0122	-.1728	95295.	30.4	120.4	3.97	3.306	120.4	398.2	.000
10000.0	795.6	1118.9	-.0118	-.1693	94447.	30.4	119.4	3.93	3.306	119.4	394.6	.000
9900.0	795.5	1118.9	-.0114	-.1659	93592.	30.4	118.3	3.89	3.305	118.3	391.0	.000
9800.0	795.4	1118.9	-.0110	-.1624	92728.	30.4	117.2	3.86	3.304	117.2	387.3	.000
9700.0	795.3	1118.9	-.0107	-.1590	91857.	30.4	116.1	3.82	3.304	116.1	383.6	.000
9600.0	795.1	1118.9	-.0103	-.1556	90977.	30.4	115.0	3.78	3.303	115.0	379.9	.000
9500.0	795.0	1118.9	-.0100	-.1523	90088.	30.4	113.9	3.74	3.303	113.9	376.2	.000
9400.0	794.9	1118.9	-.0096	-.1489	89191.	30.4	112.8	3.70	3.302	112.8	372.4	.000
9300.0	794.8	1118.9	-.0093	-.1456	88284.	30.5	111.6	3.67	3.302	111.6	368.5	.000
9200.0	794.7	1118.9	-.0090	-.1423	87368.	30.5	110.5	3.63	3.301	110.5	364.7	.000
9100.0	794.6	1118.9	-.0087	-.1390	86443.	30.5	109.3	3.59	3.300	109.3	360.8	.000
9000.0	794.4	1118.9	-.0083	-.1358	85507.	30.5	108.1	3.55	3.300	108.1	356.8	.000
8900.0	794.3	1118.9	-.0080	-.1325	84561.	30.5	106.9	3.51	3.299	106.9	352.8	.000
8800.0	794.2	1118.9	-.0077	-.1293	83604.	30.5	105.7	3.46	3.299	105.7	348.8	.000
8700.0	794.1	1118.9	-.0074	-.1261	82636.	30.5	104.5	3.42	3.298	104.5	344.7	.000
8600.0	793.9	1119.0	-.0072	-.1229	81656.	30.5	103.3	3.38	3.298	103.3	340.6	.000
8500.0	793.8	1119.0	-.0069	-.1198	80665.	30.6	102.0	3.34	3.297	102.0	336.4	.000
8400.0	793.7	1119.0	-.0066	-.1166	79661.	30.6	100.8	3.30	3.296	100.8	332.2	.000
8300.0	793.6	1119.0	-.0063	-.1135	78644.	30.6	99.5	3.25	3.296	99.5	327.9	.000
8200.0	793.5	1119.0	-.0061	-.1103	77614.	30.6	98.2	3.21	3.295	98.2	323.6	.000
8100.0	793.3	1119.0	-.0058	-.1072	76571.	30.6	96.9	3.17	3.295	96.9	319.2	.000
8000.0	793.2	1119.0	-.0056	-.1041	75512.	30.6	95.5	3.12	3.294	95.5	314.7	.000
7900.0	793.1	1119.0	-.0053	-.1011	74439.	30.6	94.2	3.08	3.294	94.2	310.2	.000
7800.0	793.0	1119.0	-.0051	-.0980	73350.	30.6	92.8	3.03	3.293	92.8	305.6	.000
7700.0	792.9	1119.0	-.0049	-.0949	72244.	30.7	91.4	2.98	3.292	91.4	301.0	.000
7600.0	792.7	1119.0	-.0046	-.0919	71122.	30.7	90.0	2.94	3.292	90.0	296.3	.000
7500.0	792.6	1119.0	-.0044	-.0889	69981.	30.7	88.5	2.89	3.291	88.6	291.5	.000
7400.0	792.5	1119.0	-.0042	-.0859	68821.	30.7	87.1	2.84	3.291	87.1	286.6	.000
7300.0	792.4	1119.1	-.0040	-.0829	67642.	30.7	85.6	2.79	3.290	85.6	281.7	.000
7200.0	792.2	1119.1	-.0038	-.0799	66441.	30.7	84.1	2.74	3.290	84.1	276.7	.000
7100.0	792.1	1119.1	-.0036	-.0769	65218.	30.7	82.6	2.69	3.289	82.6	271.5	.000
7000.0	792.0	1119.1	-.0034	-.0739	63972.	30.7	81.0	2.63	3.288	81.0	266.3	.000
6900.0	791.9	1119.1	-.0032	-.0709	62701.	30.8	79.4	2.58	3.288	79.4	261.0	.000
6800.0	791.8	1119.1	-.0030	-.0680	61404.	30.8	77.7	2.53	3.287	77.7	255.6	.000
6700.0	791.6	1119.1	-.0029	-.0650	60079.	30.8	76.1	2.47	3.287	76.1	250.0	.000
6600.0	791.5	1119.1	-.0027	-.0621	58724.	30.8	74.4	2.41	3.286	74.4	244.3	.000
6500.0	791.4	1119.1	-.0025	-.0592	57336.	30.8	72.6	2.36	3.285	72.6	238.5	.000
6400.0	791.3	1119.1	-.0024	-.0562	55915.	30.8	70.8	2.30	3.285	70.8	232.6	.000
6300.0	791.1	1119.1	-.0022	-.0533	54456.	30.8	69.0	2.24	3.284	69.0	226.5	.000
6200.0	791.0	1119.1	-.0020	-.0504	52957.	30.8	67.1	2.17	3.284	67.1	220.2	.000
6100.0	790.9	1119.2	-.0019	-.0475	51414.	30.9	65.1	2.11	3.283	65.1	213.8	.000
6000.0	790.8	1119.2	-.0017	-.0446	49823.	30.9	63.1	2.04	3.282	63.1	207.1	.000
5900.0	790.6	1119.2	-.0016	-.0417	48180.	30.9	61.0	1.98	3.282	61.0	200.3	.000
5800.0	790.5	1119.2	-.0015	-.0388	46479.	30.9	58.9	1.91	3.281	58.9	193.2	.000
5700.0	790.4	1119.2	-.0013	-.0359	44713.	30.9	56.6	1.83	3.281	56.6	185.8	.000
5600.0	790.3	1119.2	-.0012	-.0330	42875.	30.9	54.3	1.76	3.280	54.3	178.2	.000
5500.0	790.1	1119.2	-.0011	-.0301	40953.	30.9	51.9	1.68	3.280	51.9	170.2	.000
5400.0	790.0	1119.2	-.0009	-.0272	38938.	30.9	49.3	1.59	3.279	49.3	161.8	.000
5300.0	789.9	1119.2	-.0008	-.0243	36811.	34.1	58.9	1.72	3.452	57.9	199.9	.022
5200.0	789.8	1119.3	-.0007	-.0214	34562.	35.3	62.0	1.76	3.520	60.6	213.4	.030
5100.0	789.6	1119.3	-.0006	-.0186	32176.	36.1	63.9	1.77	3.559	62.3	222.2	.036
5000.0	789.5	1119.3	-.0005	-.0157	34635.	36.7	65.4	1.78	3.610	63.5	229.1	.040
4900.0	789.4	1119.3	-.0004	-.0128	33225.	37.3	66.5	1.79	3.646	64.4	234.8	.044
4800.0	789.3	1119.3	-.0003	-.0099	33273.	37.7	67.3	1.79	3.678	65.2	239.7	.048
4700.0	789.1	1119.3	-.0002	-.0070	32066.	38.2	68.3	1.79	3.708	65.8	244.0	.051
4600.0	789.0	1119.3	-.0001	-.0041	32098.	38.6	69.1	1.79	3.735	66.4	247.8	.053
4500.0	788.9	1119.3	-.0000	-.0012	31564.	38.9	69.7	1.79	3.761	66.8	251.4	.056

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 540 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XE
22170.0	794.4	1166.8	*******	*******	163509.	33.5	209.4	6.25	3.168	209.4	663.5	.000
22100.0	794.3	1166.8	-3.7211	-9.9724	163412.	33.5	209.3	6.25	3.168	209.3	663.1	.000
22000.0	794.2	1166.8	-1.3368	-3.9579	162927.	33.5	208.7	6.23	3.168	208.7	661.1	.000
21900.0	794.1	1166.8	-.9377	-2.9372	162441.	33.5	208.1	6.21	3.167	208.1	659.2	.000
21800.0	794.0	1166.8	-.7499	-2.4502	161954.	33.5	207.5	6.19	3.167	207.5	657.0	.000
21700.0	793.9	1166.8	-.6354	-2.1496	161465.	33.5	206.8	6.17	3.166	206.8	654.9	.000
21600.0	793.8	1166.8	-.5563	-1.9393	160975.	33.6	206.2	6.15	3.166	206.2	652.8	.000
21500.0	793.7	1166.8	-.4974	-1.7809	160483.	33.6	205.6	6.13	3.165	205.6	650.8	.000
21400.0	793.5	1166.8	-.4512	-1.6557	159990.	33.6	205.0	6.10	3.165	205.0	648.7	.000
21300.0	793.4	1166.8	-.4138	-1.5531	159495.	33.6	204.4	6.08	3.164	204.4	646.6	.000
21200.0	793.3	1166.8	-.3827	-1.4668	158998.	33.6	203.7	6.06	3.164	203.7	644.5	.000
21100.0	793.2	1166.8	-.3562	-1.3927	158500.	33.6	203.1	6.04	3.163	203.1	642.4	.000
21000.0	793.1	1166.8	-.3333	-1.3280	158000.	33.6	202.5	6.02	3.162	202.5	640.3	.000
20900.0	793.0	1166.8	-.3133	-1.2708	157499.	33.6	201.8	6.00	3.162	201.8	638.2	.000
20800.0	792.9	1166.8	-.2956	-1.2197	156996.	33.7	201.2	5.98	3.161	201.2	636.1	.000
20700.0	792.7	1166.8	-.2797	-1.1735	156492.	33.7	200.6	5.96	3.161	200.6	634.0	.000
20600.0	792.6	1166.8	-.2654	-1.1315	155986.	33.7	199.9	5.94	3.160	199.9	631.9	.000
20500.0	792.5	1166.8	-.2524	-1.0930	155478.	33.7	199.3	5.91	3.160	199.3	629.8	.000
20400.0	792.4	1166.8	-.2405	-1.0575	154969.	33.7	198.7	5.89	3.159	198.7	627.6	.000
20300.0	792.3	1166.8	-.2297	-1.0247	154458.	33.7	198.0	5.87	3.159	198.0	625.5	.000
20200.0	792.2	1166.8	-.2196	-.9940	153945.	33.7	197.4	5.85	3.158	197.4	623.3	.000
20100.0	792.0	1166.8	-.2103	-.9654	153430.	33.7	196.7	5.83	3.158	196.7	621.2	.000
20000.0	791.9	1166.8	-.2017	-.9385	152914.	33.8	196.1	5.81	3.157	196.1	619.0	.000
19900.0	791.8	1166.9	-.1936	-.9132	152396.	33.8	195.4	5.79	3.157	195.4	616.9	.000
19800.0	791.7	1166.9	-.1860	-.8893	151876.	33.8	194.8	5.76	3.156	194.8	614.7	.000
19700.0	791.6	1166.9	-.1789	-.8666	151354.	33.8	194.1	5.74	3.156	194.1	612.5	.000
19600.0	791.5	1166.9	-.1723	-.8451	150831.	33.8	193.4	5.72	3.155	193.4	610.3	.000
19500.0	791.3	1166.9	-.1660	-.8246	150306.	33.8	192.8	5.70	3.155	192.8	608.1	.000
19400.0	791.2	1166.9	-.1600	-.8051	149779.	33.8	192.1	5.68	3.154	192.1	605.9	.000
19300.0	791.1	1166.9	-.1544	-.7864	149250.	33.9	191.4	5.66	3.153	191.4	603.7	.000
19200.0	791.0	1166.9	-.1491	-.7686	148719.	33.9	190.8	5.63	3.153	190.8	601.5	.000
19100.0	790.9	1166.9	-.1440	-.7514	148186.	33.9	190.1	5.61	3.152	190.1	599.3	.000
19000.0	790.8	1166.9	-.1392	-.7350	147651.	33.9	189.4	5.59	3.152	189.4	597.0	.000
18900.0	790.6	1166.9	-.1346	-.7192	147114.	33.9	188.7	5.57	3.151	188.7	594.8	.000
18800.0	790.5	1166.9	-.1302	-.7040	146576.	33.9	188.1	5.54	3.150	188.1	592.5	.000
18700.0	790.4	1166.9	-.1260	-.6894	146035.	33.9	187.4	5.52	3.150	187.4	590.3	.000
18600.0	790.3	1166.9	-.1221	-.6753	145493.	33.9	186.7	5.50	3.150	186.7	588.0	.000
18500.0	790.2	1166.9	-.1182	-.6616	144948.	34.0	186.0	5.48	3.149	186.0	585.8	.000
18400.0	790.0	1167.0	-.1146	-.6485	144402.	34.0	185.3	5.45	3.149	185.3	583.5	.000
18300.0	789.9	1167.0	-.1111	-.6357	143853.	34.0	184.6	5.43	3.148	184.6	581.2	.000
18200.0	789.8	1167.0	-.1078	-.6234	143304.	34.0	183.9	5.41	3.147	183.9	578.9	.000
18100.0	789.7	1167.0	-.1044	-.6115	142748.	34.0	183.2	5.39	3.147	183.2	576.6	.000
18000.0	789.6	1167.0	-.1013	-.5999	142193.	34.0	182.5	5.36	3.146	182.5	574.3	.000
17900.0	789.4	1167.0	-.0983	-.5887	141636.	34.0	181.8	5.34	3.146	181.8	572.0	.000
17800.0	789.3	1167.0	-.0953	-.5778	141076.	34.1	181.1	5.32	3.145	181.1	569.6	.000
17700.0	789.2	1167.0	-.0927	-.5673	140514.	34.1	180.4	5.30	3.145	180.4	567.3	.000
17600.0	789.1	1167.0	-.0900	-.5570	139949.	34.1	179.7	5.27	3.144	179.7	565.0	.000
17500.0	789.0	1167.0	-.0875	-.5470	139383.	34.1	179.0	5.25	3.144	179.0	562.6	.000
17400.0	788.8	1167.0	-.0850	-.5373	138814.	34.1	178.2	5.23	3.143	178.2	560.3	.000
17300.0	788.7	1167.0	-.0826	-.5278	138243.	34.1	177.5	5.20	3.143	177.5	557.9	.000
17200.0	788.6	1167.1	-.0803	-.5186	137669.	34.1	176.8	5.18	3.142	176.8	555.5	.000
17100.0	788.5	1167.1	-.0781	-.5097	137094.	34.1	176.1	5.16	3.141	176.1	553.1	.000
17000.0	788.4	1167.1	-.0759	-.5010	136515.	34.2	175.3	5.13	3.141	175.3	550.7	.000
16900.0	788.2	1167.1	-.0738	-.4924	135934.	34.2	174.6	5.11	3.140	174.6	548.3	.000
16800.0	788.1	1167.1	-.0718	-.4841	135351.	34.2	173.9	5.09	3.140	173.9	545.9	.000
16700.0	788.0	1167.1	-.0699	-.4760	134765.	34.2	173.1	5.06	3.139	173.1	543.5	.000
16600.0	787.9	1167.1	-.0680	-.4681	134177.	34.2	172.4	5.04	3.139	172.4	541.0	.000
16500.0	787.8	1167.1	-.0662	-.4606	133585.	34.2	171.6	5.01	3.138	171.6	538.6	.000
16400.0	787.6	1167.1	-.0644	-.4531	132992.	34.3	170.9	4.99	3.138	170.9	536.1	.000
16300.0	787.5	1167.1	-.0627	-.4456	132395.	34.3	170.1	4.97	3.137	170.1	533.6	.000
16200.0	787.4	1167.2	-.0611	-.4383	131796.	34.3	169.4	4.94	3.137	169.4	531.2	.000
16100.0	787.3	1167.2	-.0595	-.4312	131194.	34.3	168.6	4.92	3.136	168.6	528.7	.000
16000.0	787.1	1167.2	-.0579	-.4242	130590.	34.3	167.8	4.89	3.135	167.8	526.2	.000
15900.0	787.0	1167.2	-.0564	-.4174	129982.	34.3	167.0	4.87	3.135	167.0	523.7	.000
15800.0	786.9	1167.2	-.0549	-.4106	129372.	34.3	166.3	4.84	3.134	166.3	521.2	.000
15700.0	786.8	1167.3	-.0535	-.4040	128759.	34.3	165.5	4.82	3.134	165.5	518.6	.000
15600.0	786.7	1167.2	-.0521	-.3975	128142.	34.4	164.7	4.79	3.133	164.7	516.1	.000
15500.0	786.5	1167.2	-.0507	-.3912	127523.	34.4	163.9	4.77	3.133	163.9	513.5	.000
15400.0	786.4	1167.2	-.0494	-.3849	126901.	34.4	163.1	4.74	3.132	163.1	510.9	.000
15300.0	786.3	1167.3	-.0481	-.3787	126276.	34.4	162.3	4.72	3.132	162.3	508.4	.000
15200.0	786.2	1167.3	-.0468	-.3727	125647.	34.4	161.5	4.69	3.131	161.5	505.8	.000
15100.0	786.0	1167.3	-.0456	-.3667	125016.	34.4	160.7	4.67	3.130	160.7	503.2	.000
15000.0	785.9	1167.3	-.0444	-.3608	124381.	34.4	159.9	4.64	3.130	159.9	500.6	.000
14900.0	785.8	1167.3	-.0432	-.3551	123743.	34.5	159.1	4.62	3.129	159.1	497.9	.000
14800.0	785.7	1167.3	-.0421	-.3494	123101.	34.5	158.3	4.59	3.129	158.3	495.3	.000
14700.0	785.5	1167.3	-.0410	-.3438	122457.	34.5	157.5	4.57	3.128	157.5	492.6	.000
14600.0	785.4	1167.3	-.0399	-.3383	121808.	34.5	156.7	4.54	3.128	156.7	490.0	.000
14500.0	785.3	1167.4	-.0389	-.3328	121157.	34.5	155.8	4.52	3.127	155.8	487.3	.000
14400.0	785.2	1167.4	-.0379	-.3275	120502.	34.5	155.0	4.49	3.127	155.0	484.6	.000
14300.0	785.0	1167.4	-.0369	-.3222	119843.	34.5	154.2	4.46	3.126	154.2	481.9	.000
14200.0	784.9	1167.4	-.0359	-.3170	119180.	34.6	153.3	4.44	3.125	153.3	479.2	.000
14100.0	784.8	1167.4	-.0349	-.3119	118514.	34.6	152.5	4.41	3.125	152.5	476.4	.000
14000.0	784.7	1167.4	-.0340	-.3068	117844.	34.6	151.6	4.38	3.124	151.6	473.7	.000
13900.0	784.5	1167.4	-.0331	-.3018	117170.	34.6	150.8	4.36	3.124	150.8	470.9	.000
13800.0	784.4	1167.4	-.0322	-.2969	116493.	34.6	149.9	4.33	3.123	149.9	468.1	.000
13700.0	784.3	1167.5	-.0314	-.2920	115811.	34.6	149.0	4.30	3.123	149.0	465.3	.000
13600.0	784.2	1167.5	-.0305	-.2872	115125.	34.6	148.2	4.28	3.122	148.2	462.5	.000
13500.0	784.0	1167.5	-.0297	-.2824	114435.	34.7	147.3	4.25	3.121	147.3	459.7	.000
13400.0	783.9	1167.5	-.0289	-.2777	113741.	34.7	146.4	4.22	3.121	146.4	456.9	.000
13300.0	783.8	1167.5	-.0281	-.2731	113043.	34.7	145.5	4.20	3.120	145.5	454.0	.000
13200.0	783.7	1167.5	-.0274	-.2685	112340.	34.7	144.6	4.17	3.120	144.6	451.1	.000
13100.0	783.5	1167.5	-.0266	-.2640	111633.	34.7	143.7	4.14	3.119	143.7	448.2	.000
13000.0	783.4	1167.6	-.0259	-.2595	110921.	34.7	142.8	4.11	3.119	142.8	445.3	.000
12900.0	783.3	1167.6	-.0252	-.2551	110205.	34.7	141.9	4.08	3.118	141.9	442.4	.000
12800.0	783.1	1167.6	-.0245	-.2507	109484.	34.8	141.0	4.04	3.117	141.0	439.4	.000
12700.0	783.0	1167.6	-.0238	-.2464	108758.	34.8	140.0	4.02	3.117	140.0	436.5	.000
12600.0	782.9	1167.6	-.0231	-.2421	108027.	34.8	139.1	4.00	3.116	139.1	433.5	.000
12500.0	782.8	1167.6	-.0225	-.2379	107292.	34.8	138.2	3.97	3.116	138.2	430.5	.000
12400.0	782.6	1167.7	-.0218	-.2337	106551.	34.8	137.3	3.94	3.115	137.3	427.4	.000
12300.0	782.5	1167.7	-.0212	-.2295	105805.	34.8	136.3	3.91	3.115	136.3	424.4	.000
12200.0	782.4	1167.7	-.0206	-.2254	105054.	34.8	135.3	3.88	3.114	135.3	421.3	.000
12100.0	782.2	1167.7	-.0200	-.2213	104297.	34.9	134.3	3.85	3.113	134.3	418.3	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 540 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
12000.0	782.1	1167.7	-.0195	-.2173	103535.	34.9	133.4	3.82	3.113	133.4	415.1	.000
11900.0	781.9	1167.7	-.0189	-.2134	102707.	34.9	132.4	3.80	3.112	132.4	412.0	.000
11800.0	781.9	1167.8	-.0183	-.2094	101893.	34.9	131.4	3.77	3.112	131.4	408.9	.000
11700.0	781.7	1167.8	-.0178	-.2055	101213.	34.9	130.4	3.74	3.111	130.4	405.7	.000
11600.0	781.6	1167.8	-.0173	-.2016	100428.	34.9	129.4	3.70	3.111	129.4	402.5	.000
11500.0	781.5	1167.8	-.0167	-.1978	99636.	34.9	128.4	3.67	3.110	128.4	399.3	.000
11400.0	781.3	1167.8	-.0162	-.1940	98837.	35.0	127.4	3.64	3.109	127.4	396.0	.000
11300.0	781.2	1167.8	-.0157	-.1902	98032.	35.0	126.3	3.61	3.109	126.3	392.7	.000
11200.0	781.1	1167.9	-.0153	-.1865	97221.	35.0	125.3	3.58	3.108	125.3	389.4	.000
11100.0	781.0	1167.9	-.0148	-.1828	96402.	35.0	124.2	3.55	3.108	124.2	386.1	.000
11000.0	780.8	1167.9	-.0143	-.1791	95577.	35.0	123.2	3.52	3.107	123.2	382.8	.000
10900.0	780.7	1167.9	-.0139	-.1754	94744.	35.0	122.1	3.49	3.106	122.1	379.4	.000
10800.0	780.6	1167.9	-.0134	-.1719	93904.	35.0	121.1	3.45	3.106	121.1	376.0	.000
10700.0	780.4	1168.0	-.0130	-.1682	93057.	35.1	120.0	3.42	3.105	120.0	372.5	.000
10600.0	780.3	1168.0	-.0126	-.1647	92201.	35.1	118.9	3.39	3.105	118.9	369.1	.000
10500.0	780.2	1168.0	-.0122	-.1611	91338.	35.1	117.8	3.36	3.104	117.8	365.6	.000
10400.0	780.0	1168.0	-.0118	-.1576	90466.	35.1	116.8	3.33	3.104	116.8	362.0	.000
10300.0	779.9	1168.0	-.0114	-.1541	89586.	35.1	115.7	3.30	3.103	115.7	358.5	.000
10200.0	779.8	1168.1	-.0110	-.1507	88697.	35.1	114.6	3.26	3.102	114.6	354.9	.000
10100.0	779.6	1168.1	-.0106	-.1473	87799.	35.2	113.5	3.22	3.102	113.5	351.2	.000
10000.0	779.5	1168.1	-.0102	-.1439	86892.	35.2	112.5	3.19	3.101	112.1	347.5	.000
9900.0	779.4	1168.1	-.0099	-.1405	85975.	35.2	110.9	3.15	3.101	110.9	343.8	.000
9800.0	779.2	1168.1	-.0095	-.1371	85048.	35.2	109.7	3.12	3.100	109.7	340.1	.000
9700.0	779.1	1168.2	-.0092	-.1338	84111.	35.2	108.5	3.08	3.099	108.5	336.3	.000
9600.0	779.0	1168.2	-.0088	-.1305	83163.	35.2	107.3	3.05	3.099	107.3	332.5	.000
9500.0	778.8	1168.2	-.0085	-.1272	82205.	35.2	106.1	3.01	3.098	106.1	328.6	.000
9400.0	778.7	1168.2	-.0082	-.1239	81235.	35.3	104.8	2.97	3.098	104.8	324.7	.000
9300.0	778.6	1168.3	-.0079	-.1206	80253.	35.3	103.6	2.94	3.097	103.6	320.7	.000
9200.0	778.4	1168.3	-.0076	-.1174	79259.	35.3	102.3	2.90	3.096	102.3	316.7	.000
9100.0	778.3	1168.3	-.0073	-.1142	78253.	35.3	101.0	2.86	3.096	101.0	312.6	.000
9000.0	778.2	1168.3	-.0070	-.1110	77233.	35.3	99.7	2.82	3.095	99.7	308.5	.000
8900.0	778.0	1168.3	-.0067	-.1078	76200.	35.3	98.3	2.78	3.094	98.3	304.3	.000
8800.0	777.9	1168.3	-.0064	-.1047	75153.	35.4	97.0	2.74	3.094	97.0	300.1	.000
8700.0	777.8	1168.4	-.0061	-.1015	74090.	35.4	95.6	2.70	3.093	95.6	295.8	.000
8600.0	777.6	1168.4	-.0059	-.0984	73012.	35.4	94.2	2.66	3.093	94.2	291.5	.000
8500.0	777.5	1168.4	-.0056	-.0953	71918.	35.4	92.8	2.62	3.092	92.8	287.1	.000
8400.0	777.4	1168.4	-.0053	-.0922	70807.	35.4	91.4	2.58	3.092	91.4	282.6	.000
8300.0	777.2	1168.5	-.0051	-.0891	69678.	35.4	90.0	2.54	3.091	90.0	278.1	.000
8200.0	777.1	1168.5	-.0048	-.0861	68531.	35.4	88.5	2.50	3.090	88.5	273.5	.000
8100.0	776.9	1168.5	-.0046	-.0830	67364.	35.5	87.0	2.45	3.090	87.0	268.8	.000
8000.0	776.8	1168.5	-.0044	-.0800	66175.	35.5	85.5	2.41	3.089	85.5	264.0	.000
7900.0	776.7	1168.6	-.0042	-.0770	64963.	35.5	83.9	2.36	3.089	83.9	259.1	.000
7800.0	776.5	1168.6	-.0039	-.0740	63725.	35.5	82.3	2.32	3.088	82.3	254.2	.000
7700.0	776.4	1168.6	-.0037	-.0710	62458.	35.5	80.7	2.27	3.087	80.7	249.2	.000
7600.0	776.3	1168.6	-.0035	-.0680	61196.	35.5	79.0	2.22	3.087	79.0	244.0	.000
7500.0	776.1	1168.7	-.0033	-.0650	59886.	35.6	77.4	2.18	3.086	77.4	238.8	.000
7400.0	776.0	1168.7	-.0031	-.0621	58547.	35.6	75.6	2.13	3.086	75.6	233.4	.000
7300.0	775.9	1168.7	-.0029	-.0591	57176.	35.6	73.9	2.08	3.085	73.9	227.9	.000
7200.0	775.7	1168.7	-.0027	-.0562	55772.	35.6	72.1	2.02	3.084	72.1	222.3	.000
7100.0	775.6	1168.8	-.0025	-.0533	54331.	35.6	70.2	1.97	3.084	70.2	216.5	.000
7000.0	775.4	1168.8	-.0024	-.0503	52851.	35.6	68.3	1.92	3.083	68.3	210.6	.000
6900.0	775.3	1168.8	-.0022	-.0474	51329.	35.6	66.3	1.86	3.083	66.3	204.5	.000
6800.0	775.2	1168.8	-.0020	-.0445	49760.	35.7	64.3	1.80	3.082	64.3	198.2	.000
6700.0	775.0	1168.9	-.0019	-.0416	48139.	35.7	62.2	1.74	3.081	62.2	191.7	.000
6600.0	774.9	1168.9	-.0017	-.0388	46462.	35.7	60.1	1.68	3.081	60.1	185.0	.000
6500.0	774.7	1169.0	-.0016	-.0359	44722.	35.7	57.8	1.62	3.080	57.8	178.1	.000
6400.0	774.6	1169.0	-.0014	-.0330	42912.	35.7	55.5	1.55	3.080	55.5	170.8	.000
6300.0	774.5	1169.0	-.0013	-.0301	41026.	38.2	62.4	1.63	3.303	61.6	197.2	.018
6200.0	774.3	1169.0	-.0011	-.0273	40169.	39.5	66.1	1.67	3.274	64.8	212.2	.028
6100.0	774.2	1169.0	-.0010	-.0244	39247.	40.4	68.3	1.69	3.322	66.6	221.4	.034
6000.0	774.0	1169.0	-.0009	-.0216	38428.	41.1	69.9	1.70	3.362	68.0	228.5	.039
5900.0	773.9	1169.1	-.0007	-.0187	37594.	41.7	71.2	1.71	3.396	69.0	234.3	.044
5800.0	773.7	1169.1	-.0006	-.0159	36698.	42.2	72.2	1.71	3.427	69.9	239.2	.047
5700.0	773.6	1169.1	-.0005	-.0130	35760.	42.6	73.1	1.72	3.455	70.5	243.6	.051
5600.0	773.5	1169.2	-.0004	-.0102	35762.	43.0	73.9	1.72	3.481	71.1	247.5	.054
5500.0	773.3	1169.2	-.0003	-.0074	35197.	43.4	74.6	1.72	3.506	71.6	251.1	.056
5400.0	773.2	1169.2	-.0002	-.0045	34663.	43.8	75.3	1.72	3.529	72.1	254.3	.059
5300.0	773.0	1169.2	-.0001	-.0017	34155.	44.1	75.8	1.72	3.551	72.5	257.3	.061

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 550 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
22120.0	779.6	1215.4	********	********	157964.	38.5	206.5	5.37	2.979	206.5	615.3	.000
22100.0	778.8	1215.4	-3.8651	-9.6301	157965.	38.5	206.4	5.36	2.979	206.4	614.9	.000
22000.0	778.7	1215.4	-1.3130	-3.8114	157371.	38.5	205.8	5.34	2.979	205.8	612.9	.000
21900.0	778.6	1215.4	-.8198	-2.5339	156778.	38.5	205.4	5.33	2.978	205.4	610.9	.000
21800.0	778.4	1215.4	-.7148	-2.3527	156186.	38.5	204.9	5.32	2.978	204.9	608.9	.000
21700.0	778.3	1215.4	-.6219	-2.0618	155580.	38.6	203.9	5.29	2.977	203.9	605.9	.000
21600.0	778.2	1215.4	-.5438	-1.8583	155380.	38.6	203.2	5.27	2.976	203.2	604.9	.000
21500.0	778.0	1215.5	-.4857	-1.7051	154878.	38.6	202.6	5.25	2.976	202.6	602.8	.000
21400.0	777.9	1215.5	-.4403	-1.5838	154375.	38.6	201.9	5.23	2.975	201.9	600.8	.000
21300.0	777.8	1215.5	-.4035	-1.4845	153870.	38.6	201.3	5.21	2.975	201.3	598.8	.000
21200.0	777.6	1215.5	-.3729	-1.4009	153363.	38.6	200.6	5.19	2.974	200.6	596.7	.000
21100.0	777.5	1215.5	-.3468	-1.3292	152854.	38.7	200.0	5.17	2.974	200.0	594.7	.000
21000.0	777.4	1215.6	-.3243	-1.2666	152344.	38.7	199.3	5.15	2.973	199.3	592.6	.000
20900.0	777.3	1215.6	-.3046	-1.2112	151832.	38.7	198.7	5.14	2.973	198.7	590.6	.000
20800.0	777.2	1215.6	-.2872	-1.1617	151319.	38.7	198.0	5.12	2.972	198.0	588.5	.000
20700.0	777.0	1215.6	-.2716	-1.1170	150803.	38.7	197.3	5.10	2.972	197.3	586.4	.000
20600.0	776.9	1215.6	-.2575	-1.0763	150286.	38.7	196.7	5.08	2.971	196.7	584.3	.000
20500.0	776.8	1215.7	-.2448	-1.0390	149767.	38.7	196.0	5.06	2.970	196.0	582.3	.000
20400.0	776.6	1215.7	-.2331	-1.0046	149246.	38.8	195.3	5.04	2.970	195.3	580.2	.000
20300.0	776.5	1215.7	-.2224	-.9727	148723.	38.8	194.7	5.02	2.969	194.7	578.1	.000
20200.0	776.4	1215.7	-.2126	-.9430	148199.	38.8	194.0	5.00	2.969	194.0	576.0	.000
20100.0	776.2	1215.7	-.2035	-.9153	147673.	38.8	193.3	4.98	2.968	193.3	573.8	.000
20000.0	776.1	1215.8	-.1950	-.8892	147144.	38.8	192.6	4.96	2.968	192.6	571.7	.000
19900.0	776.0	1215.8	-.1870	-.8647	146614.	38.8	192.0	4.94	2.967	192.0	569.6	.000
19800.0	775.9	1215.8	-.1796	-.8415	146082.	38.9	191.3	4.92	2.967	191.3	567.4	.000
19700.0	775.7	1215.8	-.1727	-.8195	145548.	38.9	190.6	4.90	2.966	190.6	565.3	.000
19600.0	775.6	1215.8	-.1661	-.7986	145012.	38.9	189.9	4.88	2.966	189.9	563.2	.000
19500.0	775.5	1215.9	-.1600	-.7788	144474.	38.9	189.2	4.86	2.965	189.2	561.0	.000
19400.0	775.3	1215.9	-.1542	-.7598	143934.	38.9	188.5	4.84	2.964	188.5	558.9	.000
19300.0	775.2	1215.9	-.1488	-.7417	143392.	38.9	187.8	4.82	2.964	187.8	556.7	.000
19200.0	775.1	1215.9	-.1434	-.7244	142847.	39.0	187.1	4.80	2.963	187.1	554.5	.000
19100.0	774.9	1215.9	-.1384	-.7078	142301.	39.0	186.4	4.78	2.963	186.4	552.3	.000
19000.0	774.8	1216.0	-.1337	-.6919	141753.	39.0	185.7	4.76	2.962	185.7	550.1	.000
18900.0	774.7	1216.0	-.1292	-.6765	141202.	39.0	185.0	4.74	2.962	185.0	547.9	.000
18800.0	774.5	1216.0	-.1249	-.6618	140650.	39.0	184.3	4.72	2.961	184.3	545.7	.000
18700.0	774.4	1216.0	-.1208	-.6476	140097.	39.0	183.6	4.70	2.960	183.6	543.5	.000
18600.0	774.3	1216.0	-.1169	-.6339	139538.	39.1	182.9	4.68	2.960	182.9	541.2	.000
18500.0	774.2	1216.1	-.1132	-.6206	138978.	39.1	182.1	4.66	2.959	182.1	539.0	.000
18400.0	774.0	1216.1	-.1096	-.6079	138417.	39.1	181.4	4.64	2.959	181.4	536.8	.000
18300.0	773.9	1216.1	-.1062	-.5955	137853.	39.1	180.7	4.62	2.958	180.7	534.5	.000
18200.0	773.8	1216.1	-.1029	-.5835	137286.	39.1	180.0	4.60	2.958	180.0	532.2	.000
18100.0	773.6	1216.2	-.0997	-.5719	136718.	39.1	179.2	4.58	2.957	179.2	530.0	.000
18000.0	773.5	1216.2	-.0967	-.5607	136147.	39.2	178.5	4.56	2.957	178.5	527.7	.000
17900.0	773.4	1216.2	-.0938	-.5498	135573.	39.2	177.7	4.54	2.956	177.7	525.4	.000
17800.0	773.2	1216.2	-.0910	-.5392	134996.	39.2	177.0	4.52	2.955	177.0	523.1	.000
17700.0	773.1	1216.3	-.0883	-.5290	134416.	39.2	176.3	4.50	2.955	176.3	520.8	.000
17600.0	773.0	1216.3	-.0856	-.5190	133838.	39.2	175.5	4.47	2.954	175.5	518.5	.000
17500.0	772.8	1216.3	-.0831	-.5093	133255.	39.2	174.8	4.45	2.954	174.8	516.2	.000
17400.0	772.7	1216.3	-.0807	-.4999	132669.	39.3	174.0	4.43	2.953	174.0	513.8	.000
17300.0	772.5	1216.4	-.0784	-.4907	132080.	39.3	173.2	4.41	2.953	173.2	511.4	.000
17200.0	772.4	1216.4	-.0761	-.4817	131488.	39.3	172.5	4.39	2.952	172.5	509.1	.000
17100.0	772.3	1216.4	-.0740	-.4730	130895.	39.3	171.7	4.37	2.951	171.7	506.8	.000
17000.0	772.1	1216.4	-.0719	-.4646	130299.	39.3	170.9	4.35	2.951	170.9	504.4	.000
16900.0	771.9	1216.5	-.0698	-.4563	129699.	39.3	170.2	4.33	2.950	170.2	502.0	.000
16800.0	771.8	1216.5	-.0678	-.4482	129097.	39.4	169.4	4.30	2.950	169.4	499.6	.000
16700.0	771.7	1216.5	-.0660	-.4403	128492.	39.4	168.6	4.28	2.949	168.6	497.2	.000
16600.0	771.6	1216.5	-.0642	-.4326	127884.	39.4	167.8	4.26	2.949	167.8	494.8	.000
16500.0	771.5	1216.6	-.0624	-.4254	127273.	39.4	167.0	4.24	2.948	167.0	492.4	.000
16400.0	771.3	1216.6	-.0607	-.4180	126659.	39.4	166.2	4.22	2.947	166.2	489.9	.000
16300.0	771.2	1216.6	-.0591	-.4107	126043.	39.4	165.4	4.19	2.947	165.4	487.5	.000
16200.0	771.1	1216.6	-.0574	-.4037	125423.	39.5	164.6	4.17	2.946	164.6	485.0	.000
16100.0	770.9	1216.7	-.0559	-.3967	124800.	39.5	163.8	4.15	2.946	163.8	482.6	.000
16000.0	770.8	1216.7	-.0544	-.3899	124174.	39.5	163.0	4.13	2.945	163.0	480.1	.000
15900.0	770.6	1216.7	-.0529	-.3832	123545.	39.5	162.2	4.10	2.945	162.2	477.6	.000
15800.0	770.5	1216.7	-.0514	-.3767	122912.	39.5	161.4	4.08	2.944	161.4	475.1	.000
15700.0	770.4	1216.8	-.0500	-.3703	122276.	39.5	160.6	4.06	2.943	160.6	472.6	.000
15600.0	770.2	1216.8	-.0487	-.3639	121637.	39.6	159.7	4.04	2.943	159.7	470.0	.000
15500.0	770.1	1216.8	-.0474	-.3577	120995.	39.6	158.9	4.01	2.942	158.9	467.5	.000
15400.0	770.0	1216.9	-.0461	-.3516	120349.	39.6	158.1	3.99	2.942	158.1	464.9	.000
15300.0	769.8	1216.9	-.0448	-.3456	119699.	39.6	157.3	3.97	2.941	157.2	462.4	.000
15200.0	769.7	1216.9	-.0436	-.3397	119046.	39.6	156.4	3.95	2.940	156.4	459.8	.000
15100.0	769.5	1216.9	-.0424	-.3339	118390.	39.7	155.5	3.92	2.940	155.5	457.2	.000
15000.0	769.4	1217.0	-.0413	-.3282	117729.	39.7	154.7	3.90	2.939	154.7	454.6	.000
14900.0	769.3	1217.0	-.0401	-.3226	117065.	39.7	153.8	3.88	2.939	153.8	452.0	.000
14800.0	769.1	1217.0	-.0390	-.3171	116397.	39.7	152.9	3.85	2.938	152.9	449.3	.000
14700.0	769.0	1217.1	-.0380	-.3116	115726.	39.7	152.1	3.83	2.938	152.1	446.7	.000
14600.0	768.8	1217.1	-.0369	-.3062	115050.	39.7	151.2	3.80	2.937	151.2	444.0	.000
14500.0	768.7	1217.1	-.0359	-.3009	114370.	39.8	150.3	3.78	2.936	150.3	441.3	.000
14400.0	768.6	1217.2	-.0349	-.2957	113687.	39.8	149.4	3.76	2.936	149.4	438.6	.000
14300.0	768.4	1217.2	-.0340	-.2906	112999.	39.8	148.5	3.73	2.935	148.5	435.9	.000
14200.0	768.3	1217.2	-.0330	-.2855	112307.	39.8	147.6	3.71	2.935	147.6	433.2	.000
14100.0	768.1	1217.2	-.0321	-.2805	111610.	39.8	146.7	3.69	2.934	146.7	430.5	.000
14000.0	768.0	1217.3	-.0312	-.2756	110909.	39.8	145.8	3.66	2.933	145.8	427.7	.000
13900.0	767.8	1217.3	-.0303	-.2707	110204.	39.9	144.9	3.63	2.933	144.9	424.9	.000
13800.0	767.7	1217.3	-.0295	-.2659	109494.	39.9	144.0	3.61	2.932	144.0	422.1	.000
13700.0	767.6	1217.4	-.0287	-.2611	108780.	39.9	143.0	3.58	2.932	143.0	419.3	.000
13600.0	767.4	1217.4	-.0279	-.2564	108061.	39.9	142.1	3.56	2.931	142.1	416.4	.000
13500.0	767.3	1217.4	-.0271	-.2518	107337.	39.9	141.2	3.53	2.930	141.2	413.7	.000
13400.0	767.1	1217.5	-.0263	-.2472	106607.	40.0	140.2	3.51	2.930	140.2	410.8	.000
13300.0	767.0	1217.5	-.0256	-.2427	105873.	40.0	139.3	3.48	2.929	139.3	407.9	.000
13200.0	766.8	1217.5	-.0248	-.2382	105134.	40.0	138.3	3.46	2.929	138.3	405.0	.000
13100.0	766.7	1217.6	-.0241	-.2338	104390.	40.0	137.3	3.43	2.928	137.3	402.1	.000
13000.0	766.6	1217.6	-.0234	-.2295	103640.	40.0	136.3	3.41	2.928	136.3	399.2	.000
12900.0	766.4	1217.6	-.0227	-.2251	102885.	40.0	135.4	3.38	2.927	135.4	396.2	.000
12800.0	766.3	1217.7	-.0220	-.2209	102124.	40.1	134.4	3.35	2.926	134.4	393.2	.000
12700.0	766.1	1217.7	-.0214	-.2166	101357.	40.1	133.4	3.33	2.926	133.4	390.2	.000
12600.0	766.0	1217.7	-.0208	-.2125	100585.	40.1	132.4	3.30	2.925	132.4	387.2	.000
12500.0	765.8	1217.8	-.0201	-.2083	99806.	40.1	131.3	3.27	2.925	131.3	384.1	.000
12400.0	765.7	1217.8	-.0195	-.2043	99021.	40.1	130.3	3.25	2.924	130.3	381.1	.000
12300.0	765.5	1217.8	-.0189	-.2002	98231.	40.2	129.3	3.22	2.923	129.3	378.0	.000
12200.0	765.4	1217.9	-.0183	-.1963	97433.	40.2	128.3	3.19	2.923	128.3	374.9	.000
12100.0	765.3	1217.9	-.0178	-.1922	96629.	40.2	127.2	3.17	2.922	127.2	371.7	.000

TABLE 1. SUBCOOLED CRITICAL FLUX PROPERTIES

(TO 550 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	XO	G KG/(S-M2)	AME M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
12000.0	765.1	1217.9	-.0177	-.1883	95818.	40.2	126.1	3.14	2.922	126.1	368.5	.000
11900.0	765.0	1217.9	-.0176	-.1844	95007.	40.2	126.1	3.13	2.922	126.1	368.1	.000
11800.0	764.8	1218.0	-.0175	-.1807	94194.	40.2	126.0	3.13	2.921	126.0	367.7	.000
11700.0	764.7	1218.0	-.0174	-.1769	93384.	40.3	126.0	3.12	2.921	126.0	367.3	.000
11600.0	764.5	1218.1	-.0173	-.1729	92574.	40.3	125.9	3.12	2.921	125.9	366.9	.000
11500.0	764.4	1218.1	-.0146	-.1692	91657.	40.3	120.7	3.00	2.918	120.7	352.3	.000
11400.0	764.2	1218.2	-.0145	-.1654	90802.	40.3	120.6	3.00	2.917	120.6	351.9	.000
11300.0	764.0	1218.2	-.0143	-.1618	89955.	40.4	120.5	2.99	2.917	120.5	351.6	.000
11200.0	763.8	1218.3	-.0128	-.1545	89080.	40.4	116.2	2.88	2.916	116.2	338.8	.000
11100.0	763.7	1218.3	-.0127	-.1509	88186.	40.4	116.2	2.88	2.916	116.2	338.5	.000
11000.0	763.5	1218.3	-.0123	-.1509	87297.	40.4	115.0	2.85	2.915	115.0	335.1	.000
10900.0	763.3	1218.4	-.0122	-.1471	86398.	40.4	115.0	2.85	2.914	115.0	334.8	.000
10800.0	763.2	1218.4	-.0121	-.1435	85490.	40.5	114.9	2.84	2.914	114.9	334.5	.000
10700.0	763.0	1218.5	-.0107	-.1403	84577.	40.5	110.5	2.73	2.913	110.5	321.8	.000
10600.0	762.8	1218.5	-.0107	-.1368	83644.	40.5	110.5	2.72	2.913	110.5	321.5	.000
10500.0	762.9	1218.5	-.0103	-.1333	82705.	40.5	109.0	2.69	2.912	109.0	317.5	.000
10400.0	762.7	1218.6	-.0102	-.1299	81757.	40.5	107.5	2.66	2.911	107.5	313.1	.000
10300.0	762.6	1218.6	-.0095	-.1265	80797.	40.5	106.2	2.63	2.910	106.2	310.1	.000
10200.0	762.4	1218.7	-.0098	-.1231	79825.	40.6	104.9	2.60	2.910	104.9	306.5	.000
10100.0	762.3	1218.7	-.0088	-.1198	78841.	40.6	103.9	2.56	2.910	103.9	302.5	.000
10000.0	762.1	1218.7	-.0085	-.1164	77845.	40.6	102.6	2.53	2.909	102.6	298.6	.000
9900.0	762.0	1218.8	-.0078	-.1131	76835.	40.6	101.3	2.50	2.908	101.3	294.7	.000
9800.0	761.8	1218.8	-.0077	-.1098	75812.	40.6	100.0	2.46	2.908	100.0	290.7	.000
9700.0	761.7	1218.8	-.0075	-.1066	74776.	40.7	98.6	2.43	2.907	98.6	286.6	.000
9600.0	761.5	1218.9	-.0072	-.1033	73725.	40.7	97.2	2.39	2.907	97.2	282.6	.000
9500.0	761.4	1218.9	-.0068	-.1001	72658.	40.7	95.5	2.36	2.906	95.8	278.5	.000
9400.0	761.2	1219.0	-.0065	-.0969	71576.	40.7	94.4	2.33	2.905	94.4	274.3	.000
9300.0	761.1	1219.0	-.0062	-.0937	70476.	40.7	93.0	2.29	2.905	93.0	270.1	.000
9200.0	760.9	1219.0	-.0060	-.0906	69360.	40.7	91.5	2.26	2.904	91.5	265.8	.000
9100.0	760.8	1219.1	-.0057	-.0874	68225.	40.8	90.0	2.21	2.904	90.0	261.4	.000
9000.0	760.6	1219.1	-.0054	-.0843	67071.	40.8	88.5	2.17	2.903	88.5	256.9	.000
8900.0	760.4	1219.2	-.0051	-.0812	65896.	40.8	87.0	2.13	2.902	87.0	252.4	.000
8800.0	760.3	1219.2	-.0049	-.0781	64700.	40.8	85.4	2.09	2.901	85.4	247.8	.000
8700.0	760.2	1219.3	-.0046	-.0750	63482.	40.8	83.8	2.05	2.900	83.8	243.1	.000
8600.0	760.0	1219.3	-.0044	-.0719	62240.	40.9	82.2	2.01	2.900	82.2	238.3	.000
8500.0	759.8	1219.3	-.0041	-.0689	60972.	40.9	80.5	1.97	2.900	80.5	233.4	.000
8400.0	759.7	1219.4	-.0039	-.0659	59678.	40.9	78.8	1.93	2.899	78.8	228.4	.000
8300.0	759.5	1219.4	-.0037	-.0629	58355.	40.9	77.0	1.88	2.898	77.0	223.3	.000
8200.0	759.4	1219.4	-.0034	-.0599	57001.	40.9	75.3	1.84	2.897	75.3	218.1	.000
8100.0	759.2	1219.5	-.0032	-.0569	55614.	41.0	73.4	1.79	2.897	73.4	212.8	.000
8000.0	759.1	1219.5	-.0030	-.0539	54191.	41.0	71.6	1.75	2.897	71.6	207.3	.000
7900.0	758.9	1219.6	-.0028	-.0509	52730.	41.0	69.7	1.70	2.896	69.7	201.7	.000
7800.0	758.8	1219.6	-.0026	-.0480	51227.	41.0	67.7	1.65	2.895	67.7	196.0	.000
7700.0	758.6	1219.7	-.0024	-.0451	49679.	41.0	65.6	1.60	2.895	65.6	190.0	.000
7600.0	758.4	1219.7	-.0022	-.0421	48081.	41.1	63.5	1.55	2.894	63.5	183.8	.000
7500.0	758.3	1219.8	-.0020	-.0392	46428.	41.1	61.3	1.49	2.893	61.3	177.5	.000
7400.0	758.1	1219.8	-.0019	-.0363	44718.	43.4	68.5	1.57	3.006	67.2	202.0	.018
7300.0	758.0	1219.9	-.0017	-.0334	43112.	44.6	71.5	1.60	3.066	70.3	211.6	.034
7200.0	757.8	1219.9	-.0015	-.0306	42903.	45.5	73.3	1.63	3.107	72.2	217.1	.040
7100.0	757.6	1220.0	-.0014	-.0277	42169.	46.2	75.2	1.63	3.143	73.9	222.1	.040
7000.0	757.5	1220.0	-.0012	-.0248	41414.	46.7	76.5	1.64	3.175	74.7	225.6	.044
6900.0	757.3	1220.0	-.0010	-.0220	40715.	47.2	77.6	1.64	3.203	75.4	228.4	.048
6800.0	757.2	1220.1	-.0009	-.0191	40062.	47.9	78.6	1.65	3.229	76.0	230.6	.052
6700.0	757.0	1220.1	-.0007	-.0163	39447.	48.1	79.4	1.65	3.253	76.4	232.4	.055
6600.0	756.9	1220.2	-.0006	-.0135	38866.	48.5	80.1	1.65	3.276	76.9	233.9	.058
6500.0	756.7	1220.2	-.0005	-.0107	38313.	48.8	80.8	1.65	3.297	77.4	235.1	.060
6400.0	756.5	1220.3	-.0003	-.0078	37787.	49.2	81.4	1.65	3.318	77.8	236.0	.063
6300.0	756.4	1220.3	-.0002	-.0050	37283.	49.5	81.9	1.65	3.337	78.1	236.8	.065
6200.0	756.2	1220.4	-.0001	-.0022	36801.	49.8	82.4	1.65	3.356	78.5	237.3	.068

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TL SUB R)

PC KPA	RL KG/M3	HL J/KG	XE	AC	G KG/(S-M2)	AML M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
2212[illegible]	702.3	1205.1	*******	*******	1517[illegible].	44.1	203.6	4.66	2.802	203.0	566.6	.000
2210[illegible]	702.4	1205.1	-3.6026	-6.2652	1516[illegible].	44.1	202.8	4.66	2.801	202.8	566.2	.000
2206[illegible]	702.1	1205.2	-1.2805	-3.6551	1511[illegible].	44.1	202.2	4.58	2.801	202.2	566.3	.000
2190[illegible]	702.6	1205.2	-.6993	-2.7031	1500[illegible].	44.1	201.5	4.57	2.800	201.5	564.3	.000
2186[illegible]	701.8	1205.3	-.7173	-2.2487	1496[illegible].	44.2	200.8	4.55	2.800	200.8	562.3	.000
2176[illegible]	701.7	1205.3	-.6064	-1.9866	1490[illegible].	44.2	200.2	4.53	2.799	200.2	560.3	.000
2166[illegible]	701.1	1205.3	-.5240	-1.7719	1491[illegible].	44.2	199.5	4.51	2.799	199.5	558.3	.000
2150[illegible]	701.4	1205.4	-.4726	-1.6241	1486[illegible].	44.2	198.8	4.50	2.798	198.8	556.3	.000
2140[illegible]	701.2	1205.4	-.4282	-1.5071	1481[illegible].	44.2	198.2	4.48	2.798	198.2	554.3	.000
2130[illegible]	701.4	1205.4	-.3920	-1.4113	1476[illegible].	44.2	197.5	4.46	2.797	197.5	552.3	.000
2110[illegible]	701.0	1205.5	-.3619	-1.3317	1470[illegible].	44.3	196.8	4.45	2.796	196.8	550.3	.000
2100[illegible]	701.1	1205.5	-.3364	-1.2614	1465[illegible].	44.3	196.1	4.43	2.796	196.1	548.3	.000
2100[illegible]	700.7	1205.5	-.3143	-1.2016	1460[illegible].	44.3	195.4	4.41	2.795	195.4	546.3	.000
2090[illegible]	700.6	1205.6	-.2950	-1.1475	1455[illegible].	44.3	194.7	4.39	2.795	194.7	544.3	.000
2080[illegible]	700.4	1205.6	-.2779	-1.0997	1449[illegible].	44.3	194.1	4.38	2.794	194.1	542.2	.000
2070[illegible]	700.2	1205.6	-.2626	-1.0566	1444[illegible].	44.4	193.4	4.36	2.793	193.4	540.2	.000
2060[illegible]	700.1	1205.7	-.2488	-1.0173	1439[illegible].	44.4	192.7	4.34	2.793	192.7	538.1	.000
2050[illegible]	700.6	1205.7	-.2363	-.9812	1433[illegible].	44.4	192.0	4.32	2.792	192.0	536.0	.000
2040[illegible]	699.8	1205.8	-.2249	-.9484	1428[illegible].	44.4	191.3	4.31	2.791	191.3	534.0	.000
2030[illegible]	699.6	1205.8	-.2144	-.9176	1423[illegible].	44.4	190.6	4.29	2.791	190.6	531.9	.000
2020[illegible]	699.4	1205.8	-.2047	-.8888	1417[illegible].	44.5	189.8	4.27	2.790	189.8	529.8	.000
2010[illegible]	699.4	1205.9	-.1956	-.8617	1412[illegible].	44.5	189.1	4.25	2.790	189.1	527.7	.000
2000[illegible]	699.2	1205.9	-.1871	-.8365	1406[illegible].	44.5	188.4	4.23	2.789	188.4	525.6	.000
1990[illegible]	699.1	1206.0	-.1797	-.8126	1401[illegible].	44.5	187.7	4.22	2.789	187.7	523.5	.000
1980[illegible]	698.9	1206.0	-.1727	-.7904	1396[illegible].	44.5	187.0	4.20	2.788	187.0	521.4	.000
1970[illegible]	698.8	1206.0	-.1657	-.7694	1390[illegible].	44.6	186.2	4.18	2.788	186.2	519.3	.000
1960[illegible]	698.6	1206.1	-.1593	-.7490	1384[illegible].	44.6	185.5	4.16	2.787	185.5	517.1	.000
1950[illegible]	698.5	1206.1	-.1533	-.7298	1379[illegible].	44.6	184.8	4.14	2.787	184.8	515.0	.000
1940[illegible]	698.3	1206.1	-.1478	-.7114	1373[illegible].	44.6	184.1	4.12	2.786	184.1	512.8	.000
1930[illegible]	698.2	1206.2	-.1426	-.6939	1368[illegible].	44.6	183.3	4.11	2.785	183.3	510.7	.000
1920[illegible]	698.0	1206.2	-.1377	-.6772	1362[illegible].	44.7	182.6	4.09	2.785	182.6	508.5	.000
1910[illegible]	697.9	1206.3	-.1332	-.6611	1357[illegible].	44.7	181.9	4.07	2.784	181.9	506.4	.000
1900[illegible]	697.7	1206.3	-.1290	-.6457	1351[illegible].	44.7	181.1	4.05	2.784	181.1	504.2	.000
1890[illegible]	697.6	1206.3	-.1251	-.6308	1345[illegible].	44.7	180.4	4.03	2.783	180.4	502.0	.000
1880[illegible]	697.4	1206.4	-.1214	-.6166	1339[illegible].	44.8	179.6	4.01	2.782	179.6	499.8	.000
1870[illegible]	697.3	1206.4	-.1180	-.6029	1334[illegible].	44.8	178.9	4.00	2.782	178.9	497.6	.000
1860[illegible]	697.1	1206.5	-.1148	-.5895	1328[illegible].	44.8	178.1	3.98	2.781	178.1	495.4	.000
1850[illegible]	697.0	1206.5	-.1118	-.5767	1322[illegible].	44.8	177.4	3.96	2.781	177.4	493.2	.000
1840[illegible]	696.8	1206.6	-.1091	-.5643	1316[illegible].	44.8	176.6	3.94	2.780	176.8	490.9	.000
1830[illegible]	696.7	1206.6	-.1065	-.5524	1311[illegible].	44.9	175.8	3.92	2.780	175.8	488.7	.000
1820[illegible]	696.5	1206.6	-.1040	-.5410	1305[illegible].	44.9	175.1	3.90	2.779	175.1	486.4	.000
1810[illegible]	696.4	1206.7	-.1017	-.5299	1299[illegible].	44.9	174.3	3.88	2.778	174.3	484.2	.000
1800[illegible]	696.2	1206.7	-.0994	-.5193	1293[illegible].	44.9	173.5	3.86	2.778	173.5	481.9	.000
1790[illegible]	696.1	1206.8	-.0973	-.5091	1287[illegible].	44.9	172.7	3.84	2.777	172.7	479.6	.000
1780[illegible]	695.9	1206.8	-.0952	-.4992	1281[illegible].	45.0	171.9	3.82	2.777	171.9	477.4	.000
1770[illegible]	695.8	1206.9	-.0933	-.4897	1275[illegible].	45.0	171.1	3.80	2.776	171.1	475.1	.000
1760[illegible]	695.6	1206.9	-.0867	-.4782	1269[illegible].	45.0	170.3	3.79	2.775	170.3	472.8	.000
1750[illegible]	695.5	1207.0	-.0753	-.4688	1263[illegible].	45.0	169.5	3.77	2.775	169.5	470.4	.000
1740[illegible]	695.3	1207.0	-.0750	-.4597	1257[illegible].	45.0	168.7	3.75	2.774	168.7	468.1	.000
1730[illegible]	695.2	1207.0	-.0747	-.4508	1251[illegible].	45.1	167.9	3.73	2.774	167.9	465.8	.000
1720[illegible]	695.0	1207.1	-.0742	-.4421	1245[illegible].	45.1	167.1	3.71	2.773	167.1	463.4	.000
1710[illegible]	694.9	1207.1	-.0694	-.4337	1239[illegible].	45.1	166.3	3.69	2.772	166.3	461.1	.000
1700[illegible]	694.7	1207.2	-.0673	-.4255	1233[illegible].	45.1	165.5	3.67	2.772	165.5	458.7	.000
1690[illegible]	694.6	1207.2	-.0654	-.4174	1226[illegible].	45.1	164.7	3.65	2.771	164.7	456.3	.000
1680[illegible]	694.4	1207.3	-.0635	-.4098	1220[illegible].	45.2	163.8	3.63	2.771	163.8	453.9	.000
1670[illegible]	694.3	1207.3	-.0616	-.4022	1214[illegible].	45.2	163.0	3.61	2.770	163.0	451.5	.000
1660[illegible]	694.1	1207.3	-.0599	-.3945	1207[illegible].	45.2	162.2	3.59	2.769	162.2	449.1	.000
1650[illegible]	694.0	1207.4	-.0582	-.3874	1201[illegible].	45.2	161.3	3.57	2.769	161.3	446.7	.000
1640[illegible]	693.8	1207.4	-.0565	-.3803	1194[illegible].	45.3	160.5	3.55	2.768	160.5	444.2	.000
1630[illegible]	693.6	1207.5	-.0549	-.3734	1188[illegible].	45.3	159.6	3.53	2.767	159.6	441.8	.000
1620[illegible]	693.5	1207.5	-.0534	-.3664	1181[illegible].	45.3	158.8	3.51	2.767	158.8	439.3	.000
1610[illegible]	693.3	1207.6	-.0518	-.3596	1175[illegible].	45.3	157.9	3.48	2.766	157.9	436.8	.000
1600[illegible]	693.2	1207.6	-.0504	-.3530	1168[illegible].	45.3	157.0	3.46	2.766	157.0	434.3	.000
1590[illegible]	693.0	1207.7	-.0489	-.3465	1162[illegible].	45.4	156.2	3.44	2.765	156.2	431.8	.000
1580[illegible]	692.9	1207.7	-.0475	-.3402	1155[illegible].	45.4	155.3	3.42	2.764	155.3	429.3	.000
1570[illegible]	692.7	1207.8	-.0462	-.3338	1149[illegible].	45.4	154.4	3.40	2.764	154.4	426.8	.000
1560[illegible]	692.5	1207.8	-.0449	-.3278	1142[illegible].	45.4	153.5	3.38	2.763	153.5	424.2	.000
1550[illegible]	692.4	1207.9	-.0436	-.3218	1135[illegible].	45.5	152.6	3.36	2.763	152.6	421.7	.000
1540[illegible]	692.2	1207.9	-.0424	-.3158	1129[illegible].	45.5	151.7	3.34	2.762	151.7	419.1	.000
1530[illegible]	692.1	1208.0	-.0411	-.3100	1122[illegible].	45.5	150.8	3.32	2.761	150.8	416.5	.000
1520[illegible]	691.9	1208.0	-.0400	-.3043	1116[illegible].	45.5	149.9	3.29	2.761	149.9	413.9	.000
1510[illegible]	691.8	1208.1	-.0388	-.2986	1109[illegible].	45.5	149.0	3.27	2.760	149.0	411.3	.000
1500[illegible]	691.6	1208.1	-.0377	-.2931	1102[illegible].	45.6	148.1	3.25	2.759	148.1	408.6	.000
1490[illegible]	691.4	1208.2	-.0366	-.2876	1096[illegible].	45.6	147.2	3.23	2.759	147.2	406.0	.000
1480[illegible]	691.3	1208.2	-.0356	-.2822	1089[illegible].	45.6	146.2	3.21	2.758	146.2	403.3	.000
1470[illegible]	691.1	1208.3	-.0346	-.2769	1082[illegible].	45.6	145.3	3.18	2.758	145.3	400.6	.000
1460[illegible]	691.0	1208.3	-.0335	-.2717	1076[illegible].	45.6	144.3	3.16	2.757	144.3	397.9	.000
1450[illegible]	690.8	1208.4	-.0326	-.2665	1069[illegible].	45.7	143.4	3.14	2.756	143.4	395.2	.000
1440[illegible]	690.6	1208.4	-.0316	-.2615	1062[illegible].	45.7	142.4	3.12	2.756	142.4	392.5	.000
1430[illegible]	690.5	1208.5	-.0307	-.2565	1055[illegible].	45.7	141.5	3.09	2.755	141.5	389.7	.000
1420[illegible]	690.3	1208.5	-.0298	-.2515	1049[illegible].	45.7	140.5	3.07	2.755	140.5	387.0	.000
1410[illegible]	690.2	1208.6	-.0289	-.2466	1042[illegible].	45.8	139.5	3.05	2.754	139.5	384.2	.000
1400[illegible]	690.0	1208.6	-.0281	-.2418	1029[illegible].	45.8	138.5	3.03	2.753	138.5	381.4	.000
1390[illegible]	689.8	1208.7	-.0272	-.2370	1022[illegible].	45.8	137.5	3.00	2.753	137.5	378.6	.000
1380[illegible]	689.7	1208.8	-.0264	-.2324	1015[illegible].	45.8	136.5	2.98	2.752	136.5	375.7	.000
1370[illegible]	689.5	1208.8	-.0256	-.2278	1008[illegible].	45.9	135.5	2.96	2.751	135.5	372.8	.000
1360[illegible]	689.4	1208.9	-.0248	-.2232	999[illegible].	45.9	134.5	2.93	2.751	134.5	369.9	.000
1350[illegible]	689.2	1208.9	-.0241	-.2187	991[illegible].	45.9	133.5	2.91	2.750	133.5	367.0	.000
1340[illegible]	689.1	1209.0	-.0233	-.2142	984[illegible].	45.9	132.4	2.89	2.750	132.4	364.1	.000
1330[illegible]	688.9	1209.0	-.0226	-.2099	977[illegible].	46.0	131.4	2.87	2.749	131.4	361.1	.000
1320[illegible]	688.8	1209.1	-.0219	-.2055	970[illegible].	46.0	130.3	2.84	2.748	130.3	358.1	.000
1310[illegible]	688.6	1209.1	-.0212	-.2012	963[illegible].	46.0	129.3	2.82	2.748	129.3	355.2	.000
1300[illegible]	688.5	1209.2	-.0205	-.1969	955[illegible].	46.0	128.2	2.79	2.747	128.2	352.2	.000
1290[illegible]	688.3	1209.2	-.0198	-.1927	948[illegible].	46.0	127.1	2.76	2.746	127.1	349.1	.000
1280[illegible]	688.2	1209.3	-.0191	-.1886	941[illegible].	46.1	126.0	2.74	2.746	126.0	346.0	.000
1270[illegible]	688.0	1209.3	-.0185	-.1844	934[illegible].	46.1	124.9	2.71	2.745	124.9	342.9	.000
1260[illegible]	687.9	1209.4	-.0178	-.1804	926[illegible].	46.1	123.8	2.69	2.744	123.8	339.8	.000
1250[illegible]	687.7	1209.4	-.0172	-.1763	919[illegible].	46.1	122.7	2.66	2.744	122.7	336.6	.000
1240[illegible]	687.6	1209.5	-.0165	-.1723	912[illegible].	46.2	121.6	2.63	2.743	121.6	333.5	.000
1230[illegible]	687.4	1209.5	-.0159	-.1683	905[illegible].	46.2	120.4	2.61	2.743	120.4	330.3	.000
1220[illegible]	687.3	1209.6	-.0153	-.1644	897[illegible].	46.2	119.3	2.58	2.742	119.3	327.0	.000
1210[illegible]	687.1	1209.7	-.0147	-.1605	890[illegible].	46.2	118.1	2.56	2.741	118.1	323.7	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(IG SEC K)

PL KPA	RG KG/M3	HL KJ/KG	XO	XO	G KG/(S-M2)	AMB M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	AF
12666.0	746.7	1269.8	-.0147	-.1300	6707.	46.2	116.9	2.533	2.741	116.9	320.	.000
11766.6	746.3	1268.1	-.0134	-.1196	6617.	46.3	112.7	2.433	2.741	112.7	309.	.000
11306.6	746.3	1268.1	-.0133	-.1196	6491.	46.3	112.7	2.433	2.741	112.7	309.	.000
11066.6	746.3	1268.1	-.0133	-.1196	6406.	46.3	112.7	2.433	2.741	112.7	309.	.000
11706.6	746.6	1269.0	-.0128	-.1156	6308.	46.3	112.1	2.422	2.741	112.1	306.	.000
11666.6	746.6	1270.6	-.0127	-.1146	6308.	46.3	112.1	2.422	2.741	112.1	306.	.000
11506.6	746.5	1270.1	-.0123	-.1108	6221.	46.4	111.8	2.410	2.737	110.8	303.	.000
11466.6	746.5	1270.1	-.0122	-.1098	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
11306.6	746.5	1270.1	-.0118	-.1061	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
11266.6	746.5	1270.1	-.0117	-.1051	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
11146.6	746.4	1269.8	-.0114	-.1024	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
11106.6	746.4	1269.8	-.0113	-.1014	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
11066.6	746.4	1269.8	-.0112	-.1005	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
11026.6	746.4	1269.8	-.0111	-.0995	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
10986.6	746.4	1269.8	-.0110	-.0986	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
10946.6	746.4	1269.8	-.0109	-.0976	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
10906.6	746.4	1269.8	-.0108	-.0967	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
10866.6	746.4	1269.8	-.0107	-.0957	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
10826.6	746.4	1269.8	-.0106	-.0948	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
10786.6	746.4	1269.8	-.0105	-.0938	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
10746.6	746.4	1269.8	-.0104	-.0929	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
10706.6	746.4	1269.8	-.0103	-.0919	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
10666.6	746.4	1269.8	-.0102	-.0910	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
10626.6	746.4	1269.8	-.0101	-.0900	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
10586.6	746.4	1269.8	-.0100	-.0891	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
10546.6	746.4	1269.8	-.0099	-.0881	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
10506.6	746.4	1269.8	-.0098	-.0872	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
10466.6	746.4	1269.8	-.0097	-.0862	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
10426.6	746.4	1269.8	-.0096	-.0853	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
10386.6	746.4	1269.8	-.0095	-.0843	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
10346.6	746.4	1269.8	-.0094	-.0834	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
10306.6	746.4	1269.8	-.0093	-.0824	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
10266.6	746.4	1269.8	-.0092	-.0815	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
10226.6	746.4	1269.8	-.0091	-.0805	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
10186.6	746.4	1269.8	-.0090	-.0796	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
10146.6	746.4	1269.8	-.0089	-.0786	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
10106.6	746.4	1269.8	-.0088	-.0777	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
10066.6	746.4	1269.8	-.0087	-.0767	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
10026.6	746.4	1269.8	-.0086	-.0758	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
9986.6	746.4	1269.8	-.0085	-.0748	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
9946.6	746.4	1269.8	-.0084	-.0739	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
9906.6	746.4	1269.8	-.0083	-.0729	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
9866.6	746.4	1269.8	-.0082	-.0720	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
9826.6	746.4	1269.8	-.0081	-.0710	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
9786.6	746.4	1269.8	-.0080	-.0701	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
9746.6	746.4	1269.8	-.0079	-.0691	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
9706.6	746.4	1269.8	-.0078	-.0682	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
9666.6	746.4	1269.8	-.0077	-.0672	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
9626.6	746.4	1269.8	-.0076	-.0663	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
9586.6	746.4	1269.8	-.0075	-.0653	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
9546.6	746.4	1269.8	-.0074	-.0644	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
9506.6	746.4	1269.8	-.0073	-.0634	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
9466.6	746.4	1269.8	-.0072	-.0625	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
9426.6	746.4	1269.8	-.0071	-.0615	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
9386.6	746.4	1269.8	-.0070	-.0606	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
9346.6	746.4	1269.8	-.0069	-.0596	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
9306.6	746.4	1269.8	-.0068	-.0587	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
9266.6	746.4	1269.8	-.0067	-.0577	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
9226.6	746.4	1269.8	-.0066	-.0568	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
9186.6	746.4	1269.8	-.0065	-.0558	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
9146.6	746.4	1269.8	-.0064	-.0549	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
9106.6	746.4	1269.8	-.0063	-.0539	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
9066.6	746.4	1269.8	-.0062	-.0530	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
9026.6	746.4	1269.8	-.0061	-.0520	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
8986.6	746.4	1269.8	-.0060	-.0511	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
8946.6	746.4	1269.8	-.0059	-.0501	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
8906.6	746.4	1269.8	-.0058	-.0492	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
8866.6	746.4	1269.8	-.0057	-.0482	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
8826.6	746.4	1269.8	-.0056	-.0473	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
8786.6	746.4	1269.8	-.0055	-.0463	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
8746.6	746.4	1269.8	-.0054	-.0454	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
8706.6	746.4	1269.8	-.0053	-.0444	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
8666.6	746.4	1269.8	-.0052	-.0435	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
8626.6	746.4	1269.8	-.0051	-.0425	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
8586.6	746.4	1269.8	-.0050	-.0416	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
8546.6	746.4	1269.8	-.0049	-.0406	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
8506.6	746.4	1269.8	-.0048	-.0397	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
8466.6	746.4	1269.8	-.0047	-.0387	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
8426.6	746.4	1269.8	-.0046	-.0378	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
8386.6	746.4	1269.8	-.0045	-.0368	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
8346.6	746.4	1269.8	-.0044	-.0359	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
8306.6	746.4	1269.8	-.0043	-.0349	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
8266.6	746.4	1269.8	-.0042	-.0340	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
8226.6	746.4	1269.8	-.0041	-.0330	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
8186.6	746.4	1269.8	-.0040	-.0321	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
8146.6	746.4	1269.8	-.0039	-.0311	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
8106.6	746.4	1269.8	-.0038	-.0302	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
8066.6	746.4	1269.8	-.0037	-.0292	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
8026.6	746.4	1269.8	-.0036	-.0283	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
7986.6	746.4	1269.8	-.0035	-.0273	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
7946.6	746.4	1269.8	-.0034	-.0264	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
7906.6	746.4	1269.8	-.0033	-.0254	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
7866.6	746.4	1269.8	-.0032	-.0245	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
7826.6	746.4	1269.8	-.0031	-.0235	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
7786.6	746.4	1269.8	-.0030	-.0226	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
7746.6	746.4	1269.8	-.0029	-.0216	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
7706.6	746.4	1269.8	-.0028	-.0207	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
7666.6	746.4	1269.8	-.0027	-.0197	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
7626.6	746.4	1269.8	-.0026	-.0188	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
7586.6	746.4	1269.8	-.0025	-.0178	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
7546.6	746.4	1269.8	-.0024	-.0169	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
7506.6	746.4	1269.8	-.0023	-.0159	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
7466.6	746.4	1269.8	-.0022	-.0150	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
7426.6	746.4	1269.8	-.0021	-.0140	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
7386.6	746.4	1269.8	-.0020	-.0131	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
7346.6	746.4	1269.8	-.0019	-.0121	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
7306.6	746.4	1269.8	-.0018	-.0112	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
7266.6	746.4	1269.8	-.0017	-.0102	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
7226.6	746.4	1269.8	-.0016	-.0093	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
7186.6	746.4	1269.8	-.0015	-.0083	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
7146.6	746.4	1269.8	-.0014	-.0074	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
7106.6	746.4	1269.8	-.0013	-.0064	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
7066.6	746.4	1269.8	-.0012	-.0055	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
7026.6	746.4	1269.8	-.0011	-.0045	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
6986.6	746.4	1269.8	-.0010	-.0036	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
6946.6	746.4	1269.8	-.0009	-.0026	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
6906.6	746.4	1269.8	-.0008	-.0017	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
6866.6	746.4	1269.8	-.0007	-.0007	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
6826.6	746.4	1269.8	-.0006	.0002	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
6786.6	746.4	1269.8	-.0005	.0012	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
6746.6	746.4	1269.8	-.0004	.0021	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
6706.6	746.4	1269.8	-.0003	.0031	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
6666.6	746.4	1269.8	-.0002	.0040	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
6626.6	746.4	1269.8	-.0001	.0050	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
6586.6	746.4	1269.8	.0000	.0059	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
6546.6	746.4	1269.8	.0001	.0069	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
6506.6	746.4	1269.8	.0002	.0078	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
6466.6	746.4	1269.8	.0003	.0088	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
6426.6	746.4	1269.8	.0004	.0097	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
6386.6	746.4	1269.8	.0005	.0107	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
6346.6	746.4	1269.8	.0006	.0116	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
6306.6	746.4	1269.8	.0007	.0126	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
6266.6	746.4	1269.8	.0008	.0135	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
6226.6	746.4	1269.8	.0009	.0145	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
6186.6	746.4	1269.8	.0010	.0154	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
6146.6	746.4	1269.8	.0011	.0164	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
6106.6	746.4	1269.8	.0012	.0173	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
6066.6	746.4	1269.8	.0013	.0183	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
6026.6	746.4	1269.8	.0014	.0192	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
5986.6	746.4	1269.8	.0015	.0202	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
5946.6	746.4	1269.8	.0016	.0211	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
5906.6	746.4	1269.8	.0017	.0221	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
5866.6	746.4	1269.8	.0018	.0230	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
5826.6	746.4	1269.8	.0019	.0240	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
5786.6	746.4	1269.8	.0020	.0249	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
5746.6	746.4	1269.8	.0021	.0259	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
5706.6	746.4	1269.8	.0022	.0268	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
5666.6	746.4	1269.8	.0023	.0278	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
5626.6	746.4	1269.8	.0024	.0287	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
5586.6	746.4	1269.8	.0025	.0297	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
5546.6	746.4	1269.8	.0026	.0306	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
5506.6	746.4	1269.8	.0027	.0316	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
5466.6	746.4	1269.8	.0028	.0325	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
5426.6	746.4	1269.8	.0029	.0335	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
5386.6	746.4	1269.8	.0030	.0344	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
5346.6	746.4	1269.8	.0031	.0354	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
5306.6	746.4	1269.8	.0032	.0363	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
5266.6	746.4	1269.8	.0033	.0373	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
5226.6	746.4	1269.8	.0034	.0382	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
5186.6	746.4	1269.8	.0035	.0392	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
5146.6	746.4	1269.8	.0036	.0401	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
5106.6	746.4	1269.8	.0037	.0411	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
5066.6	746.4	1269.8	.0038	.0420	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
5026.6	746.4	1269.8	.0039	.0430	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
4986.6	746.4	1269.8	.0040	.0439	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
4946.6	746.4	1269.8	.0041	.0449	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
4906.6	746.4	1269.8	.0042	.0458	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
4866.6	746.4	1269.8	.0043	.0468	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
4826.6	746.4	1269.8	.0044	.0477	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
4786.6	746.4	1269.8	.0045	.0487	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
4746.6	746.4	1269.8	.0046	.0496	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
4706.6	746.4	1269.8	.0047	.0506	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
4666.6	746.4	1269.8	.0048	.0515	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
4626.6	746.4	1269.8	.0049	.0525	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
4586.6	746.4	1269.8	.0050	.0534	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
4546.6	746.4	1269.8	.0051	.0544	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
4506.6	746.4	1269.8	.0052	.0553	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
4466.6	746.4	1269.8	.0053	.0563	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
4426.6	746.4	1269.8	.0054	.0572	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
4386.6	746.4	1269.8	.0055	.0582	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
4346.6	746.4	1269.8	.0056	.0591	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
4306.6	746.4	1269.8	.0057	.0601	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
4266.6	746.4	1269.8	.0058	.0610	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
4226.6	746.4	1269.8	.0059	.0620	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
4186.6	746.4	1269.8	.0060	.0629	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
4146.6	746.4	1269.8	.0061	.0639	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
4106.6	746.4	1269.8	.0062	.0648	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
4066.6	746.4	1269.8	.0063	.0658	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
4026.6	746.4	1269.8	.0064	.0667	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
3986.6	746.4	1269.8	.0065	.0677	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
3946.6	746.4	1269.8	.0066	.0686	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
3906.6	746.4	1269.8	.0067	.0696	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
3866.6	746.4	1269.8	.0068	.0705	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
3826.6	746.4	1269.8	.0069	.0715	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
3786.6	746.4	1269.8	.0070	.0724	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
3746.6	746.4	1269.8	.0071	.0734	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
3706.6	746.4	1269.8	.0072	.0743	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
3666.6	746.4	1269.8	.0073	.0753	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
3626.6	746.4	1269.8	.0074	.0762	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
3586.6	746.4	1269.8	.0075	.0772	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
3546.6	746.4	1269.8	.0076	.0781	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
3506.6	746.4	1269.8	.0077	.0791	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
3466.6	746.4	1269.8	.0078	.0800	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
3426.6	746.4	1269.8	.0079	.0810	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
3386.6	746.4	1269.8	.0080	.0819	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
3346.6	746.4	1269.8	.0081	.0829	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
3306.6	746.4	1269.8	.0082	.0838	6221.	46.4	110.8	2.410	2.737	110.8	303.	.000
3266.6	746.4	1269.8	.0083	.0848	6221.	46.4	110.8	2.410	2.737	110.8	303

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 570 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
22120.0	744.5	1316.4	********	********	144927.	90.4	198.6	3.94	2.633	198.6	523.0	.000
22100.0	744.5	1316.4	-3.5329	-8.8734	144823.	90.4	198.5	3.94	2.633	198.5	522.8	.000
22000.0	744.3	1316.6	-1.2568	-3.4873	144302.	90.4	197.8	3.92	2.633	197.8	520.6	.000
21900.0	744.1	1316.5	-.8766	-2.5735	143778.	90.4	197.4	3.91	2.632	197.1	518.7	.000
21800.0	744.0	1316.6	-.6980	-2.1370	143253.	90.4	196.9	3.89	2.631	196.4	516.7	.000
21700.0	743.8	1316.6	-.5892	-1.8670	142726.	90.5	196.7	3.89	2.631	196.2	516.1	.000
21600.0	743.7	1316.7	-.5141	-1.6791	142197.	90.5	195.0	3.86	2.630	195.0	512.8	.000
21500.0	743.5	1316.7	-.4582	-1.5371	141666.	90.5	194.2	3.85	2.630	194.2	510.8	.000
21400.0	743.3	1316.8	-.4145	-1.4249	141133.	90.5	193.5	3.83	2.629	193.5	508.8	.000
21300.0	743.2	1316.8	-.3791	-1.3326	140598.	90.6	192.8	3.81	2.628	192.8	506.8	.000
21200.0	743.0	1316.9	-.3496	-1.2551	140061.	90.6	192.1	3.80	2.628	192.1	504.8	.000
21100.0	742.8	1316.9	-.3246	-1.1886	139521.	90.6	191.4	3.78	2.627	191.4	502.8	.000
21000.0	742.7	1317.0	-.3030	-1.1305	138980.	90.6	190.7	3.77	2.627	190.7	500.8	.000
20900.0	742.5	1317.0	-.2841	-1.0791	138436.	90.7	189.9	3.75	2.626	189.9	498.7	.000
20800.0	742.3	1317.1	-.2674	-1.0331	137891.	90.7	189.2	3.73	2.625	189.2	496.7	.000
20700.0	742.2	1317.2	-.2524	-.9919	137343.	90.7	188.5	3.72	2.625	188.5	494.7	.000
20600.0	742.0	1317.2	-.2389	-.9537	136793.	90.7	187.7	3.70	2.624	187.7	492.6	.000
20500.0	741.8	1317.3	-.2267	-.9191	136240.	90.8	187.0	3.68	2.624	187.0	490.6	.000
20400.0	741.7	1317.4	-.2156	-.8871	135686.	90.8	186.2	3.67	2.623	186.2	488.5	.000
20300.0	741.5	1317.4	-.2053	-.8575	135129.	90.8	185.5	3.65	2.622	185.5	486.4	.000
20200.0	741.4	1317.5	-.1958	-.8299	134570.	90.8	184.7	3.63	2.622	184.7	484.4	.000
20100.0	741.2	1317.5	-.1872	-.8040	134008.	90.9	184.0	3.62	2.621	184.0	482.3	.000
20000.0	741.0	1317.6	-.1791	-.7798	133445.	90.9	183.2	3.60	2.620	183.2	480.2	.000
19900.0	740.8	1317.7	-.1715	-.7569	132878.	90.9	182.5	3.58	2.620	182.5	478.1	.000
19800.0	740.7	1317.7	-.1644	-.7353	132309.	90.9	181.7	3.57	2.619	181.7	476.0	.000
19700.0	740.5	1317.8	-.1578	-.7149	131738.	91.0	180.9	3.55	2.619	180.9	473.8	.000
19600.0	740.3	1317.9	-.1516	-.6954	131165.	91.0	180.2	3.53	2.618	180.2	471.7	.000
19500.0	740.2	1317.9	-.1457	-.6769	130588.	91.0	179.4	3.52	2.617	179.4	469.6	.000
19400.0	740.0	1318.0	-.1401	-.6592	130009.	91.0	178.6	3.50	2.617	178.6	467.4	.000
19300.0	739.8	1318.0	-.1349	-.6424	129428.	91.1	177.8	3.48	2.616	177.8	465.3	.000
19200.0	739.7	1318.1	-.1299	-.6262	128844.	91.1	177.1	3.47	2.616	177.1	463.1	.000
19100.0	739.5	1318.2	-.1252	-.6107	128257.	91.1	176.3	3.45	2.615	176.3	460.9	.000
19000.0	739.3	1318.2	-.1207	-.5958	127668.	91.1	175.5	3.43	2.614	175.5	458.8	.000
18900.0	739.2	1318.3	-.1164	-.5815	127076.	91.2	174.7	3.41	2.614	174.7	456.6	.000
18800.0	739.0	1318.4	-.1123	-.5677	126481.	91.2	173.9	3.40	2.613	173.9	454.4	.000
18700.0	738.8	1318.4	-.1085	-.5545	125883.	91.2	173.1	3.38	2.612	173.1	452.1	.000
18600.0	738.6	1318.5	-.1047	-.5417	125282.	91.2	172.3	3.36	2.612	172.3	449.9	.000
18500.0	738.5	1318.6	-.1012	-.5293	124678.	91.3	171.5	3.34	2.611	171.5	447.7	.000
18400.0	738.3	1318.6	-.0978	-.5173	124072.	91.3	170.6	3.33	2.610	170.6	445.5	.000
18300.0	738.1	1318.7	-.0945	-.5058	123462.	91.3	169.8	3.31	2.610	169.8	443.2	.000
18200.0	738.0	1318.8	-.0914	-.4946	122850.	91.3	169.0	3.29	2.609	169.0	440.9	.000
18100.0	737.8	1318.8	-.0884	-.4837	122234.	91.4	168.2	3.27	2.609	168.2	438.7	.000
18000.0	737.6	1318.9	-.0856	-.4732	121615.	91.4	167.3	3.26	2.608	167.3	436.4	.000
17900.0	737.4	1319.0	-.0828	-.4630	120993.	91.4	166.5	3.24	2.607	166.5	434.1	.000
17800.0	737.3	1319.0	-.0802	-.4531	120368.	91.5	165.6	3.22	2.607	165.6	431.8	.000
17700.0	737.1	1319.1	-.0776	-.4435	119739.	91.5	164.8	3.20	2.606	164.8	429.5	.000
17600.0	736.9	1319.2	-.0752	-.4342	119107.	91.5	163.9	3.18	2.605	163.9	427.1	.000
17500.0	736.7	1319.2	-.0728	-.4251	118472.	91.5	163.1	3.16	2.605	163.1	424.8	.000
17400.0	736.6	1319.3	-.0705	-.4162	117833.	91.6	162.2	3.15	2.604	162.2	422.5	.000
17300.0	736.4	1319.4	-.0683	-.4076	117191.	91.6	161.4	3.13	2.603	161.4	420.1	.000
17200.0	736.2	1319.5	-.0662	-.3992	116544.	91.6	160.5	3.11	2.603	160.5	417.7	.000
17100.0	736.0	1319.5	-.0642	-.3911	115896.	91.6	159.6	3.09	2.602	159.6	415.3	.000
17000.0	735.9	1319.6	-.0622	-.3831	115243.	91.7	158.7	3.07	2.602	158.7	412.9	.000
16900.0	735.7	1319.7	-.0603	-.3753	114586.	91.7	157.8	3.05	2.601	157.8	410.5	.000
16800.0	735.5	1319.7	-.0585	-.3678	113925.	91.7	156.9	3.03	2.600	156.9	408.1	.000
16700.0	735.3	1319.8	-.0567	-.3604	113261.	91.7	156.0	3.02	2.600	156.0	405.7	.000
16600.0	735.1	1319.9	-.0550	-.3531	112592.	91.8	155.1	3.00	2.599	155.1	403.2	.000
16500.0	735.0	1320.0	-.0534	-.3463	111920.	91.8	154.2	2.98	2.598	154.2	400.7	.000
16400.0	734.8	1320.0	-.0517	-.3394	111243.	91.8	153.3	2.96	2.598	153.3	398.3	.000
16300.0	734.6	1320.1	-.0502	-.3329	110563.	91.9	152.4	2.94	2.597	152.4	395.8	.000
16200.0	734.4	1320.2	-.0487	-.3264	109878.	91.9	151.5	2.92	2.596	151.5	393.3	.000
16100.0	734.2	1320.3	-.0472	-.3194	109188.	91.9	150.5	2.90	2.596	150.5	390.7	.000
16000.0	734.1	1320.3	-.0458	-.3130	108495.	91.9	149.6	2.88	2.595	149.6	388.2	.000
15900.0	733.9	1320.4	-.0444	-.3067	107797.	92.0	148.6	2.86	2.594	148.6	385.6	.000
15800.0	733.7	1320.5	-.0431	-.3005	107094.	92.0	147.7	2.84	2.594	147.7	383.1	.000
15700.0	733.5	1320.6	-.0418	-.2945	106386.	92.0	146.7	2.82	2.593	146.7	380.5	.000
15600.0	733.3	1320.6	-.0405	-.2885	105674.	92.0	145.8	2.80	2.592	145.8	377.9	.000
15500.0	733.1	1320.7	-.0393	-.2827	104957.	92.1	144.8	2.78	2.592	144.8	375.3	.000
15400.0	733.0	1320.8	-.0381	-.2769	104235.	92.1	143.8	2.76	2.591	143.8	372.6	.000
15300.0	732.8	1320.9	-.0369	-.2713	103508.	92.1	142.8	2.74	2.590	142.8	370.0	.000
15200.0	732.6	1320.9	-.0358	-.2657	102776.	92.2	141.8	2.72	2.590	141.8	367.3	.000
15100.0	732.4	1321.0	-.0347	-.2602	102038.	92.2	140.8	2.70	2.589	140.8	364.6	.000
15000.0	732.2	1321.1	-.0337	-.2548	101295.	92.2	139.8	2.68	2.588	139.8	361.9	.000
14900.0	732.0	1321.2	-.0326	-.2495	100547.	92.2	138.8	2.66	2.588	138.8	359.2	.000
14800.0	731.9	1321.3	-.0316	-.2443	99793.	92.3	137.8	2.64	2.587	137.8	356.4	.000
14700.0	731.7	1321.3	-.0306	-.2391	99033.	92.3	136.7	2.61	2.586	136.7	353.7	.000
14600.0	731.5	1321.4	-.0297	-.2341	98267.	92.3	135.7	2.59	2.586	135.7	350.9	.000
14500.0	731.3	1321.5	-.0287	-.2291	97495.	92.4	134.6	2.57	2.585	134.6	348.1	.000
14400.0	731.1	1321.6	-.0278	-.2241	96717.	92.4	133.6	2.55	2.584	133.6	345.2	.000
14300.0	730.9	1321.7	-.0269	-.2193	95933.	92.4	132.5	2.53	2.584	132.5	342.4	.000
14200.0	730.7	1321.8	-.0261	-.2145	95142.	92.4	131.4	2.51	2.583	131.4	339.5	.000
14100.0	730.5	1321.9	-.0252	-.2097	94345.	92.5	130.4	2.48	2.582	130.4	336.6	.000
14000.0	730.4	1321.9	-.0244	-.2051	93541.	92.5	129.3	2.46	2.582	129.3	333.7	.000
13900.0	730.2	1322.0	-.0236	-.2004	92729.	92.5	128.1	2.44	2.581	128.1	330.7	.000
13800.0	730.0	1322.1	-.0229	-.1959	91911.	92.6	127.0	2.42	2.580	127.0	327.8	.000
13700.0	729.8	1322.2	-.0221	-.1914	91085.	92.6	125.9	2.39	2.580	125.9	324.8	.000
13600.0	729.6	1322.3	-.0214	-.1870	90251.	92.6	124.8	2.37	2.579	124.8	321.8	.000
13500.0	729.4	1322.3	-.0206	-.1828	89410.	92.6	123.6	2.35	2.578	123.6	318.7	.000
13400.0	729.2	1322.4	-.0199	-.1782	88561.	92.7	122.5	2.32	2.578	122.5	315.6	.000
13300.0	729.0	1322.5	-.0193	-.1739	87703.	92.7	121.3	2.30	2.577	121.3	312.5	.000
13200.0	728.8	1322.6	-.0186	-.1697	86837.	92.7	120.2	2.28	2.576	120.1	309.4	.000
13100.0	728.6	1322.7	-.0179	-.1655	85962.	92.8	118.9	2.25	2.575	118.9	306.2	.000
13000.0	728.4	1322.8	-.0173	-.1614	85078.	92.8	117.7	2.23	2.575	117.7	303.0	.000
12900.0	728.2	1322.8	-.0167	-.1573	84185.	92.8	116.5	2.20	2.574	116.5	299.8	.000
12800.0	728.1	1322.9	-.0161	-.1537	83282.	92.9	115.3	2.18	2.573	115.2	296.6	.000
12700.0	727.9	1323.0	-.0155	-.1492	82369.	92.9	114.0	2.16	2.572	114.0	293.3	.000
12600.0	727.7	1323.1	-.0149	-.1452	81446.	92.9	112.7	2.13	2.572	112.7	289.9	.000
12500.0	727.5	1323.2	-.0144	-.1413	80513.	92.9	111.4	2.10	2.571	111.4	286.6	.000
12400.0	727.3	1323.3	-.0138	-.1376	79568.	93.0	110.1	2.08	2.570	110.1	283.2	.000
12300.0	727.1	1323.4	-.0133	-.1336	78612.	93.0	108.8	2.05	2.570	108.8	279.7	.000
12200.0	726.9	1323.5	-.0128	-.1298	77644.	93.0	107.5	2.03	2.569	107.5	276.2	.000
12100.0	726.7	1323.6	-.0123	-.1260	76664.	93.1	106.2	2.00	2.569	106.2	272.7	.000

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 570 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
12000.0	726.5	1323.7	-.0118	-.1222	75671.	53.1	104.8	1.97	2.568	104.8	269.1	.000
11900.0	726.3	1323.8	-.0113	-.1165	74665.	53.1	103.4	1.95	2.567	103.4	265.5	.000
11800.0	726.1	1323.8	-.0108	-.1149	73645.	53.2	102.0	1.92	2.566	102.0	261.8	.000
11700.0	725.9	1323.9	-.0104	-.1112	72611.	53.2	100.6	1.89	2.566	100.6	258.1	.000
11600.0	725.7	1324.0	-.0099	-.1076	71561.	53.2	99.2	1.86	2.565	99.2	254.3	.000
11500.0	725.5	1324.1	-.0095	-.1040	70496.	53.3	97.7	1.83	2.564	97.7	250.5	.000
11400.0	725.3	1324.2	-.0091	-.1005	69415.	53.3	96.2	1.81	2.564	96.2	246.6	.000
11300.0	725.1	1324.3	-.0087	-.0970	68316.	53.3	94.7	1.78	2.563	94.7	242.7	.000
11200.0	724.8	1324.4	-.0082	-.0935	67200.	53.3	93.2	1.75	2.562	93.2	238.7	.000
11100.0	724.7	1324.5	-.0079	-.0900	66064.	53.4	91.6	1.72	2.561	91.6	234.6	.000
11000.0	724.5	1324.6	-.0075	-.0866	64909.	53.4	90.0	1.69	2.561	90.0	230.5	.000
10900.0	724.3	1324.7	-.0071	-.0832	63733.	53.4	88.4	1.65	2.560	88.4	226.3	.000
10800.0	724.1	1324.8	-.0067	-.0798	62534.	53.5	86.7	1.62	2.559	86.7	222.0	.000
10700.0	723.9	1324.9	-.0064	-.0765	61312.	53.5	85.0	1.59	2.559	85.0	217.6	.000
10600.0	723.7	1325.0	-.0060	-.0732	60065.	53.5	83.3	1.56	2.558	83.3	213.1	.000
10500.0	723.5	1325.1	-.0057	-.0699	58792.	53.6	81.6	1.52	2.557	81.6	208.6	.000
10400.0	723.3	1325.2	-.0054	-.0666	57490.	53.6	79.8	1.49	2.556	79.8	203.9	.000
10300.0	723.1	1325.3	-.0050	-.0633	56158.	53.6	77.9	1.45	2.556	77.9	199.2	.000
10200.0	722.8	1325.4	-.0047	-.0601	54794.	53.7	76.1	1.42	2.555	76.1	194.3	.000
10100.0	722.6	1325.5	-.0044	-.0569	53497.	55.0	79.7	1.45	2.613	79.1	206.6	.013
10000.0	722.4	1325.6	-.0041	-.0537	52427.	56.2	82.9	1.48	2.663	81.7	217.5	.023
9900.0	722.2	1325.7	-.0038	-.0505	51482.	57.0	85.1	1.49	2.703	83.4	225.2	.031
9800.0	722.0	1325.8	-.0035	-.0474	50624.	57.7	86.4	1.50	2.732	84.7	231.4	.037
9700.0	721.8	1325.9	-.0033	-.0443	49830.	58.3	88.1	1.51	2.760	85.5	236.6	.042
9600.0	721.6	1326.0	-.0030	-.0412	49049.	58.8	89.3	1.52	2.785	86.6	241.1	.047
9500.0	721.4	1326.1	-.0027	-.0381	48393.	59.3	90.3	1.52	2.808	87.3	245.2	.051
9400.0	721.2	1326.2	-.0025	-.0350	47734.	59.8	91.2	1.53	2.829	88.0	248.9	.055
9300.0	721.0	1326.3	-.0022	-.0320	47107.	60.2	92.0	1.53	2.849	88.5	252.2	.058
9200.0	720.8	1326.4	-.0020	-.0289	46510.	60.5	92.7	1.53	2.868	89.0	255.3	.061
9100.0	720.5	1326.5	-.0018	-.0259	45938.	60.9	93.4	1.53	2.886	89.4	258.2	.064
9000.0	720.3	1326.6	-.0016	-.0229	45390.	61.2	94.0	1.53	2.904	89.8	260.9	.067
8900.0	720.1	1326.7	-.0013	-.0199	44863.	61.5	94.5	1.54	2.920	90.2	263.4	.070
8800.0	719.9	1326.8	-.0011	-.0170	44355.	61.9	95.1	1.54	2.936	90.5	265.8	.073
8700.0	719.7	1327.0	-.0008	-.0140	43865.	62.1	95.6	1.54	2.952	90.8	268.1	.075
8600.0	719.5	1327.1	-.0007	-.0111	43391.	62.4	96.0	1.54	2.967	91.1	270.3	.077
8500.0	719.3	1327.2	-.0005	-.0082	42933.	62.7	96.4	1.54	2.981	91.3	272.3	.080
8400.0	719.0	1327.3	-.0003	-.0053	42488.	62.9	96.8	1.54	2.996	91.6	274.3	.082
8300.0	718.8	1327.4	-.0001	-.0024	42057.	63.2	97.2	1.54	3.009	91.8	276.2	.084

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 980 K)

PO KPa	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AME M/S	VAVG M/S	HAVG	SLIP	VL M/S	VV M/S	XF
22120.0	725.2	1369.4	********	********	137238.	57.4	193.3	3.37	2.473	193.3	477.9	.000
22100.0	725.2	1369.4	-8.4532	-8.4491	137130.	57.4	193.1	3.36	2.473	193.1	477.6	.000
22000.0	725.0	1369.5	-1.2730	-3.3058	136589.	57.4	192.4	3.35	2.473	192.4	475.5	.000
21900.0	724.8	1369.5	-.8408	-2.4127	136045.	57.5	191.6	3.33	2.473	191.6	473.6	.000
21800.0	724.6	1369.6	-.6760	-2.0160	135498.	57.5	190.9	3.32	2.473	190.9	471.6	.000
21700.0	724.5	1369.7	-.5697	-1.7488	134951.	57.5	190.1	3.30	2.473	190.1	469.7	.000
21600.0	724.3	1369.8	-.4962	-1.5784	134400.	57.6	189.4	3.29	2.468	189.4	467.9	.000
21500.0	724.1	1369.9	-.4416	-1.4427	133847.	57.6	188.6	3.28	2.469	188.6	465.7	.000
21400.0	723.9	1370.0	-.3988	-1.3353	133292.	57.7	187.9	3.27	2.468	187.9	463.7	.000
21300.0	723.7	1370.1	-.3644	-1.2472	132735.	57.7	187.1	3.25	2.467	187.1	461.7	.000
21200.0	723.6	1370.2	-.3356	-1.1731	132175.	57.7	186.3	3.24	2.467	186.3	460.6	.000
21100.0	723.4	1370.2	-.3112	-1.1095	131613.	57.7	185.6	3.21	2.466	185.6	457.6	.000
21000.0	723.2	1370.3	-.2901	-1.0539	131049.	57.7	184.8	3.20	2.466	184.8	455.6	.000
20900.0	723.0	1370.4	-.2716	-1.0047	130482.	57.8	184.0	3.18	2.465	184.0	453.5	.000
20800.0	722.8	1370.5	-.2554	-.9607	129912.	57.8	183.2	3.17	2.464	183.2	451.5	.000
20700.0	722.6	1370.6	-.2411	-.9209	129340.	57.8	182.4	3.15	2.463	182.4	449.4	.000
20600.0	722.4	1370.7	-.2283	-.8847	128765.	57.9	181.7	3.14	2.463	181.7	447.4	.000
20500.0	722.2	1370.8	-.2168	-.8515	128188.	57.9	180.9	3.12	2.462	180.9	445.3	.000
20400.0	722.0	1370.9	-.2063	-.8209	127608.	57.9	180.1	3.11	2.460	180.1	443.3	.000
20300.0	721.8	1371.0	-.1968	-.7925	127026.	58.0	179.4	3.09	2.460	179.4	441.2	.000
20200.0	721.6	1371.0	-.1880	-.7660	126441.	58.0	178.6	3.08	2.460	178.6	439.2	.000
20100.0	721.4	1371.1	-.1798	-.7413	125853.	58.0	177.9	3.06	2.460	177.9	437.0	.000
20000.0	721.2	1371.2	-.1594	-.7180	125262.	58.1	176.8	3.05	2.459	176.8	434.8	.000
19900.0	721.0	1371.3	-.1481	-.6961	124668.	58.1	176.0	3.03	2.458	176.0	432.7	.000
19800.0	720.8	1371.4	-.1387	-.6757	124072.	58.2	175.2	3.02	2.457	175.2	430.6	.000
19700.0	720.6	1371.5	-.1307	-.6567	123472.	58.2	174.4	3.00	2.456	174.4	428.4	.000
19600.0	720.4	1371.6	-.1237	-.6371	122870.	58.2	173.6	2.98	2.456	173.6	426.3	.000
19500.0	720.2	1371.7	-.1170	-.6193	122265.	58.2	172.7	2.97	2.455	172.7	424.1	.000
19400.0	720.0	1371.8	-.1116	-.6024	121657.	58.3	171.9	2.95	2.454	171.9	422.0	.000
19300.0	719.8	1371.9	-.1065	-.5866	121047.	58.3	171.1	2.94	2.454	171.1	419.8	.000
19200.0	719.6	1372.0	-.1017	-.5717	120434.	58.4	170.3	2.93	2.453	170.3	417.6	.000
19100.0	719.4	1372.1	-.0971	-.5557	119818.	58.4	169.5	2.90	2.453	169.5	415.4	.000
19000.0	719.2	1372.2	-.1127	-.5514	119192.	58.4	168.5	2.89	2.452	168.5	413.1	.000
18900.0	719.0	1372.3	-.1086	-.5377	118566.	58.5	167.6	2.87	2.451	167.6	410.9	.000
18800.0	718.8	1372.4	-.1049	-.5245	117940.	58.5	166.8	2.86	2.450	166.8	408.7	.000
18700.0	718.6	1372.5	-.1009	-.5117	117309.	58.5	165.9	2.84	2.449	165.9	406.4	.000
18600.0	718.4	1372.6	-.0973	-.4994	116675.	58.5	165.0	2.82	2.449	165.0	404.2	.000
18500.0	718.2	1372.7	-.0930	-.4775	116037.	58.6	164.1	2.80	2.449	164.1	401.9	.000
18400.0	718.0	1372.8	-.0906	-.4660	115396.	58.6	163.2	2.79	2.448	163.2	399.6	.000
18300.0	717.8	1372.9	-.0874	-.4549	114753.	58.6	162.4	2.77	2.447	162.4	397.3	.000
18200.0	717.6	1373.0	-.0844	-.4441	114106.	58.7	161.5	2.75	2.447	161.5	395.0	.000
18100.0	717.4	1373.1	-.0815	-.4336	113456.	58.7	160.6	2.74	2.446	160.6	392.7	.000
18000.0	717.2	1373.2	-.0788	-.4233	112803.	58.7	159.8	2.72	2.445	159.8	390.4	.000
17900.0	717.0	1373.3	-.0761	-.4137	112147.	58.8	158.9	2.70	2.445	158.9	388.0	.000
17800.0	716.8	1373.4	-.0736	-.4042	111488.	58.8	158.0	2.69	2.444	158.0	385.7	.000
17700.0	716.6	1373.5	-.0711	-.3949	110826.	58.8	157.1	2.67	2.443	157.1	383.3	.000
17600.0	716.4	1373.6	-.0688	-.3859	110161.	58.9	156.2	2.65	2.442	156.1	380.9	.000
17500.0	716.2	1373.7	-.0664	-.3771	109492.	58.9	155.3	2.63	2.442	155.3	378.5	.000
17400.0	716.0	1373.8	-.0642	-.3686	108820.	58.9	154.4	2.61	2.441	154.4	376.1	.000
17300.0	715.8	1373.9	-.0621	-.3603	108145.	59.0	153.5	2.60	2.440	153.5	373.7	.000
17200.0	715.6	1374.0	-.0601	-.3522	107466.	59.0	152.6	2.58	2.440	152.6	371.2	.000
17100.0	715.4	1374.1	-.0581	-.3444	106784.	59.0	151.7	2.56	2.439	151.7	368.8	.000
17000.0	715.2	1374.2	-.0562	-.3367	106098.	59.1	150.8	2.54	2.438	150.8	366.3	.000
16900.0	715.0	1374.3	-.0544	-.3292	105409.	59.1	149.9	2.53	2.438	149.9	363.8	.000
16800.0	714.8	1374.4	-.0526	-.3219	104715.	59.2	149.0	2.51	2.437	149.0	361.3	.000
16700.0	714.6	1374.5	-.0509	-.3147	104018.	59.2	148.1	2.49	2.436	148.1	358.8	.000
16600.0	714.3	1374.6	-.0493	-.3077	103317.	59.2	147.3	2.47	2.435	147.3	356.3	.000
16500.0	714.1	1374.8	-.0477	-.3011	102612.	59.2	146.4	2.46	2.435	146.4	353.7	.000
16400.0	713.9	1374.9	-.0462	-.2944	101904.	59.3	145.5	2.44	2.434	145.5	351.2	.000
16300.0	713.7	1375.0	-.0447	-.2879	101192.	59.3	144.6	2.43	2.433	144.6	348.6	.000
16200.0	713.5	1375.1	-.0433	-.2814	100476.	59.4	143.7	2.41	2.432	143.7	346.0	.000
16130.0	713.3	1375.2	-.0419	-.2751	99899.	59.4	141.2	2.38	2.432	141.2	343.1	.000
16000.0	713.0	1375.3	-.0405	-.2689	98749.	59.4	140.1	2.36	2.431	140.1	340.7	.000
15900.0	712.8	1375.4	-.0392	-.2629	97993.	59.5	139.2	2.34	2.430	139.2	338.0	.000
15800.0	712.6	1375.5	-.0378	-.2569	97232.	59.5	138.3	2.32	2.430	138.3	335.3	.000
15700.0	712.4	1375.6	-.0367	-.2510	96465.	59.5	137.4	2.30	2.429	137.4	332.7	.000
15600.0	712.2	1375.8	-.0355	-.2453	95691.	59.6	136.4	2.28	2.428	136.4	329.9	.000
15500.0	712.0	1375.9	-.0343	-.2396	94911.	59.6	135.5	2.26	2.427	135.5	327.2	.000
15400.0	711.9	1376.0	-.0332	-.2340	94125.	59.7	134.6	2.25	2.426	134.6	324.4	.000
15300.0	711.7	1376.2	-.0322	-.2286	93333.	59.7	133.7	2.23	2.426	133.7	321.6	.000
15200.0	711.5	1376.3	-.0312	-.2232	92534.	59.7	132.8	2.20	2.425	132.8	318.8	.000
15100.0	711.1	1376.5	-.0300	-.2179	91729.	59.8	130.3	2.18	2.423	130.3	316.0	.000
15000.0	710.9	1376.5	-.0289	-.2125	90910.	59.8	129.2	2.16	2.424	129.2	313.1	.000
14900.0	710.7	1376.6	-.0279	-.2075	90083.	59.9	128.3	2.15	2.423	128.3	310.3	.000
14800.0	710.6	1376.7	-.0270	-.2024	89250.	59.9	127.4	2.13	2.422	127.4	307.4	.000
14700.0	710.4	1376.8	-.0260	-.1974	88409.	59.9	126.5	2.11	2.421	126.5	304.5	.000
14600.0	710.2	1376.9	-.0251	-.1925	87562.	59.9	124.5	2.08	2.421	124.5	301.5	.000
14500.0	710.0	1377.0	-.0243	-.1877	86708.	60.0	123.3	2.06	2.420	123.3	298.5	.000
14400.0	709.8	1377.1	-.0234	-.1829	85846.	60.0	122.4	2.04	2.419	122.4	295.4	.000
14300.0	709.6	1377.2	-.0226	-.1782	84978.	60.0	121.5	2.03	2.419	121.5	292.4	.000
14200.0	709.4	1377.4	-.0217	-.1735	84102.	60.1	120.7	1.99	2.419	120.7	289.3	.000
14100.0	709.2	1377.5	-.0210	-.1689	83222.	60.1	118.4	1.97	2.419	118.4	286.2	.000
14000.0	708.8	1377.7	-.0202	-.1644	82324.	60.2	117.2	1.95	2.418	117.2	283.0	.000
13900.0	708.6	1377.8	-.0194	-.1599	81415.	60.2	116.3	1.93	2.417	116.3	279.8	.000
13800.0	708.4	1377.9	-.0187	-.1555	80496.	60.3	115.4	1.92	2.416	115.4	276.7	.000
13700.0	708.2	1378.0	-.0180	-.1511	79566.	60.3	114.6	1.90	2.415	114.6	273.5	.000
13600.0	708.0	1378.2	-.0173	-.1468	78625.	60.3	113.7	1.88	2.415	113.7	270.3	.000
13500.0	707.8	1378.3	-.0166	-.1425	77673.	60.4	110.6	1.83	2.412	110.6	266.9	.000
13400.0	707.6	1378.4	-.0160	-.1383	76709.	60.4	109.8	1.81	2.411	109.8	263.5	.000
13300.0	707.4	1378.5	-.0153	-.1341	75732.	60.4	107.9	1.78	2.410	107.9	260.1	.000
13200.0	707.2	1378.7	-.0147	-.1300	74743.	60.5	106.1	1.74	2.409	106.1	256.6	.000
13100.0	706.8	1378.8	-.0141	-.1259	73740.	60.5	105.1	1.74	2.409	105.1	253.2	.000
13000.0	706.6	1378.9	-.0135	-.1219	72724.	60.6	103.7	1.71	2.409	103.7	249.7	.000
12900.0	706.4	1379.0	-.0129	-.1179	71693.	60.6	102.9	1.69	2.408	102.9	246.1	.000
12800.0	706.2	1379.1	-.0123	-.1140	70645.	60.6	102.0	1.68	2.407	102.0	242.5	.000
12700.0	706.0	1379.2	-.0118	-.1102	69584.	60.7	99.2	1.64	2.406	99.2	238.8	.000
12630.0	705.8	1379.3	-.0113	-.1062	68806.	60.7	97.7	1.61	2.406	97.7	235.5	.000
12530.0	705.2	1379.5	-.0107	-.1024	67410.	60.7	96.2	1.59	2.405	96.2	231.2	.000
12430.0	705.0	1379.7	-.0102	-.0986	66295.	60.8	94.5	1.55	2.404	94.5	227.4	.000
12330.0	704.7	1379.8	-.0097	-.0944	65163.	60.8	93.0	1.53	2.403	93.0	223.6	.000
12230.0	704.5	1379.9	-.0093	-.0911	64010.	60.9	91.7	1.50	2.402	91.7	219.9	.000
12130.0	704.2	1380.2	-.0088	-.0874	62835.	60.9	90.7	1.47	2.402	90.7	216.4	.000

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 980 K)

PD KPA	RD KG/M3	HD KJ/KG	XD	AD	G KG/(S-M2)	AME M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
12000.0	704.0	1380.3	-.0383	-.0838	61638.	61.0	88.0	1.44	2.401	88.0	211.2	.000
11900.0	703.7	1380.4	-.0379	-.0801	60419.	61.0	86.3	1.41	2.400	86.3	207.0	.000
11800.0	703.9	1380.6	-.0375	-.0766	59171.	61.0	84.5	1.38	2.399	84.5	202.9	.000
11700.0	703.1	1380.7	-.0370	-.0730	57961.	62.1	86.9	1.40	2.440	86.4	210.8	.011
11600.0	703.0	1380.8	-.0366	-.0699	56912.	63.1	89.8	1.42	2.483	88.6	220.1	.021
11500.0	702.8	1381.0	-.0362	-.0660	55969.	63.9	91.8	1.44	2.517	90.7	227.0	.029
11400.0	702.5	1381.1	-.0358	-.0625	55104.	64.6	93.4	1.45	2.546	91.4	232.7	.035
11300.0	702.3	1381.3	-.0354	-.0594	54200.	65.1	94.8	1.46	2.571	92.4	237.6	.041
11200.0	702.0	1381.4	-.0351	-.0559	53548.	65.9	96.0	1.46	2.594	93.3	242.0	.046
11100.0	701.8	1381.6	-.0347	-.0523	52832.	66.1	97.0	1.47	2.616	94.0	245.8	.050
11000.0	701.5	1381.7	-.0344	-.0490	52156.	66.6	97.9	1.47	2.636	94.6	249.4	.054
10900.0	701.3	1381.8	-.0340	-.0456	51511.	67.0	98.7	1.47	2.654	95.1	252.6	.058
10800.0	701.1	1382.0	-.0337	-.0423	50894.	67.4	99.5	1.48	2.671	95.6	255.7	.062
10700.0	700.8	1382.1	-.0334	-.0391	50303.	67.7	100.2	1.48	2.690	96.1	258.5	.065
10600.0	700.6	1382.3	-.0330	-.0358	49735.	68.1	100.8	1.48	2.707	96.5	261.1	.069
10500.0	700.3	1382.4	-.0327	-.0326	49187.	68.4	101.4	1.48	2.722	96.8	263.6	.071
10400.0	700.1	1382.6	-.0324	-.0294	48659.	68.7	101.9	1.48	2.737	97.2	266.0	.074
10300.0	699.8	1382.9	-.0322	-.0262	48149.	69.0	102.5	1.48	2.752	97.5	268.2	.077
10200.0	699.5	1382.9	-.0319	-.0230	47655.	69.3	102.9	1.49	2.765	97.7	270.4	.079
10100.0	699.3	1383.0	-.0316	-.0199	47176.	69.6	103.4	1.49	2.780	98.0	272.4	.082
10000.0	699.0	1383.2	-.0313	-.0167	46711.	69.9	103.8	1.49	2.793	98.3	274.4	.084
9900.0	698.8	1383.4	-.0311	-.0136	46260.	70.1	104.2	1.49	2.806	98.5	276.3	.086
9800.0	698.5	1383.5	-.0308	-.0106	45821.	70.4	104.6	1.49	2.819	98.6	278.1	.088
9700.0	698.3	1383.7	-.0305	-.0075	45394.	70.6	105.0	1.49	2.831	98.8	279.8	.091
9600.0	698.0	1383.8	-.0303	-.0044	44978.	70.9	105.3	1.49	2.843	99.0	281.5	.093
9500.0	697.8	1384.0	-.0001	-.0014	44573.	71.1	105.7	1.49	2.855	99.2	283.2	.095

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 590 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AME M/S	VAVG M/S	HAVG	SLIP	VL M/S	VV M/S	XE
22120.0	704.2	1424.6	*******	*******	128582.	65.4	186.7	2.86	2.315	186.7	432.8	.000
22100.0	704.1	1424.6	-3.3511	-7.9844	128469.	65.4	186.5	2.85	2.314	186.5	432.4	.000
22000.0	703.9	1424.8	-1.1639	-3.1005	127900.	65.4	185.7	2.84	2.317	185.7	430.4	.000
21900.0	703.7	1424.9	-.8209	-2.1986	127329.	65.5	184.9	2.83	2.317	184.8	428.4	.000
21800.0	703.6	1425.0	-.6506	-1.8833	126755.	65.5	184.1	2.81	2.316	184.1	426.4	.000
21700.0	703.2	1425.1	-.5490	-1.6390	126179.	65.5	183.3	2.80	2.315	183.3	424.4	.000
21600.0	703.0	1425.3	-.4799	-1.4681	125600.	65.6	182.5	2.78	2.314	182.5	422.4	.000
21500.0	702.8	1425.4	-.4274	-1.3392	125018.	65.6	181.7	2.77	2.314	181.7	420.3	.000
21400.0	702.6	1425.5	-.3858	-1.2372	124433.	65.7	180.9	2.75	2.313	180.9	418.3	.000
21300.0	702.5	1425.6	-.3522	-1.1535	123846.	65.7	180.0	2.74	2.312	180.0	416.2	.000
21200.0	702.3	1425.8	-.3238	-1.0831	123256.	65.7	179.2	2.73	2.311	179.2	414.2	.000
21100.0	701.9	1425.9	-.2996	-1.0226	122663.	65.8	178.4	2.71	2.311	178.4	412.2	.000
21000.0	701.7	1426.0	-.2791	-.9698	122067.	65.8	177.5	2.70	2.310	177.5	410.1	.000
20900.0	701.4	1426.1	-.2612	-.9230	121468.	65.9	176.7	2.68	2.309	176.7	408.0	.000
20800.0	701.2	1426.3	-.2454	-.8811	120866.	65.9	175.8	2.67	2.308	175.8	405.9	.000
20700.0	701.0	1426.4	-.2313	-.8433	120261.	65.9	175.0	2.65	2.307	175.0	403.8	.000
20600.0	700.8	1426.5	-.2186	-.8088	119653.	66.0	174.1	2.64	2.307	174.1	401.7	.000
20500.0	700.5	1426.7	-.2070	-.7772	119042.	66.0	173.3	2.62	2.306	173.3	399.6	.000
20400.0	700.3	1426.8	-.1962	-.7480	118427.	66.1	172.4	2.61	2.305	172.4	397.5	.000
20300.0	700.1	1426.9	-.1862	-.7210	117810.	66.1	171.5	2.60	2.305	171.5	395.4	.000
20200.0	699.8	1427.1	-.1770	-.6958	117189.	66.2	170.7	2.58	2.304	170.7	393.2	.000
20100.0	699.6	1427.2	-.1686	-.6722	116565.	66.2	169.8	2.57	2.303	169.8	391.1	.000
20000.0	699.4	1427.3	-.1581	-.5500	115937.	66.2	168.9	2.55	2.303	168.9	389.0	.000
19900.0	699.1	1427.5	-.1510	-.6291	115306.	66.3	168.0	2.53	2.302	168.0	386.7	.000
19800.0	698.9	1427.6	-.1444	-.6093	114671.	66.3	167.2	2.52	2.301	167.2	384.5	.000
19700.0	698.7	1427.8	-.1382	-.5905	114033.	66.4	166.3	2.50	2.300	166.3	382.3	.000
19600.0	698.4	1427.9	-.1323	-.5727	113391.	66.4	165.3	2.49	2.300	165.3	380.1	.000
19500.0	698.2	1428.0	-.1268	-.5558	112746.	66.4	164.4	2.47	2.299	164.4	377.9	.000
19400.0	698.0	1428.1	-.1216	-.5396	112098.	66.5	163.4	2.46	2.298	163.4	375.6	.000
19300.0	697.7	1428.4	-.1167	-.5243	111447.	66.5	162.5	2.44	2.297	162.5	373.4	.000
19200.0	697.5	1428.4	-.1120	-.5097	110793.	66.6	161.6	2.43	2.296	161.6	371.1	.000
19100.0	697.3	1428.6	-.1076	-.4958	110135.	66.6	160.7	2.41	2.296	160.7	368.8	.000
19000.0	697.0	1428.7	-.1034	-.4813	109469.	66.7	159.7	2.40	2.295	159.7	366.6	.000
18900.0	696.8	1428.9	-.0994	-.4692	108797.	66.7	158.8	2.38	2.294	158.8	364.3	.000
18800.0	696.5	1429.0	-.0956	-.4575	108118.	66.8	157.8	2.36	2.294	157.8	361.9	.000
18700.0	696.3	1429.1	-.0920	-.4463	107440.	66.8	156.9	2.35	2.293	156.8	359.6	.000
18600.0	696.1	1429.3	-.0885	-.4355	106758.	66.8	155.9	2.33	2.292	155.9	357.3	.000
18500.0	695.8	1429.4	-.0852	-.4201	106072.	66.9	154.9	2.32	2.291	154.9	354.9	.000
18400.0	695.6	1429.6	-.0821	-.4091	105381.	66.9	153.9	2.30	2.290	153.9	352.5	.000
18300.0	695.3	1429.7	-.0791	-.3984	104686.	67.0	152.9	2.28	2.289	152.9	350.1	.000
18200.0	695.1	1429.9	-.0762	-.3881	103986.	67.0	151.9	2.27	2.289	151.9	347.8	.000
18100.0	694.8	1430.0	-.0734	-.3781	103281.	67.1	150.9	2.25	2.288	150.9	345.3	.000
18000.0	694.6	1430.2	-.0707	-.3684	102571.	67.1	149.9	2.23	2.287	149.9	342.9	.000
17900.0	694.4	1430.3	-.0682	-.3589	101856.	67.2	148.9	2.22	2.286	148.9	340.4	.000
17800.0	694.1	1430.5	-.0657	-.3498	101136.	67.2	147.8	2.20	2.285	147.8	338.0	.000
17700.0	693.9	1430.6	-.0634	-.3409	100411.	67.3	146.8	2.19	2.285	146.8	335.4	.000
17600.0	693.6	1430.8	-.0611	-.3323	99680.	67.3	145.8	2.17	2.284	145.8	333.0	.000
17500.0	693.4	1430.9	-.0589	-.3238	98944.	67.3	144.7	2.15	2.284	144.7	330.5	.000
17400.0	693.1	1431.1	-.0568	-.3157	98202.	67.4	143.7	2.14	2.283	143.7	328.0	.000
17300.0	692.8	1431.2	-.0548	-.3077	97455.	67.4	142.6	2.12	2.282	142.6	325.4	.000
17200.0	692.6	1431.4	-.0529	-.2999	96702.	67.5	141.5	2.10	2.281	141.5	322.9	.000
17100.0	692.4	1431.5	-.0510	-.2923	95943.	67.5	140.4	2.08	2.280	140.4	320.3	.000
17000.0	692.1	1431.7	-.0492	-.2849	95178.	67.6	139.3	2.06	2.280	139.3	317.7	.000
16900.0	691.8	1431.9	-.0474	-.2777	94406.	67.6	138.2	2.05	2.279	138.2	315.0	.000
16800.0	691.6	1432.0	-.0458	-.2707	93628.	67.6	137.0	2.03	2.278	137.0	312.3	.000
16700.0	691.3	1432.2	-.0441	-.2638	92844.	67.7	135.9	2.01	2.277	135.9	309.7	.000
16600.0	691.1	1432.3	-.0426	-.2571	92053.	67.7	134.9	1.99	2.276	134.9	307.0	.000
16500.0	690.8	1432.5	-.0411	-.2507	91255.	67.8	133.7	1.97	2.276	133.7	304.3	.000
16400.0	690.5	1432.7	-.0396	-.2443	90449.	67.8	132.6	1.95	2.275	132.6	301.6	.000
16300.0	690.3	1432.8	-.0382	-.2379	89637.	67.9	131.4	1.94	2.274	131.4	298.8	.000
16200.0	690.0	1433.0	-.0368	-.2317	88817.	67.9	130.2	1.92	2.273	130.2	296.0	.000
16100.0	689.8	1433.1	-.0355	-.2256	87989.	68.0	129.0	1.90	2.272	129.0	293.2	.000
16000.0	689.5	1433.3	-.0342	-.2197	87153.	68.0	127.8	1.88	2.271	127.8	290.4	.000
15900.0	689.3	1433.5	-.0330	-.2139	86309.	68.1	126.6	1.86	2.271	126.6	287.5	.000
15800.0	689.0	1433.6	-.0318	-.2080	85457.	68.1	125.4	1.84	2.270	125.4	284.6	.000
15700.0	688.8	1433.8	-.0306	-.2024	84596.	68.2	124.1	1.82	2.269	124.1	281.7	.000
15600.0	688.5	1434.0	-.0294	-.1968	83726.	68.2	122.9	1.80	2.268	122.9	278.7	.000
15500.0	688.3	1434.1	-.0283	-.1913	82847.	68.3	121.6	1.78	2.267	121.6	275.8	.000
15400.0	688.0	1434.3	-.0273	-.1859	81958.	68.3	120.3	1.76	2.266	120.3	272.8	.000
15300.0	687.7	1434.5	-.0262	-.1807	81060.	68.4	119.0	1.74	2.265	119.0	269.7	.000
15200.0	687.4	1434.7	-.0252	-.1754	80151.	68.4	117.7	1.72	2.264	117.7	266.6	.000
15100.0	687.1	1434.8	-.0242	-.1703	79232.	68.5	116.4	1.70	2.264	116.4	263.5	.000
15000.0	686.9	1435.0	-.0233	-.1652	78302.	68.5	115.1	1.68	2.263	115.1	260.4	.000
14900.0	686.6	1435.2	-.0223	-.1603	77361.	68.6	113.7	1.66	2.262	113.7	257.2	.000
14800.0	686.3	1435.4	-.0214	-.1554	76408.	68.6	112.3	1.64	2.261	112.3	254.0	.000
14700.0	686.0	1435.5	-.0206	-.1505	75442.	68.7	110.9	1.62	2.260	110.9	250.8	.000
14600.0	685.8	1435.7	-.0197	-.1457	74465.	68.7	109.5	1.59	2.260	109.5	247.5	.000
14500.0	685.5	1435.9	-.0189	-.1410	73474.	68.8	108.1	1.57	2.259	108.1	244.1	.000
14400.0	685.2	1436.1	-.0181	-.1364	72469.	68.8	106.6	1.55	2.258	106.6	240.7	.000
14300.0	684.9	1436.3	-.0173	-.1319	71450.	68.9	105.1	1.53	2.257	105.1	237.3	.000
14200.0	684.7	1436.4	-.0165	-.1273	70417.	68.9	103.6	1.51	2.256	103.6	233.8	.000
14100.0	684.4	1436.6	-.0158	-.1228	69368.	69.0	102.1	1.48	2.255	102.1	230.3	.000
14000.0	684.1	1436.8	-.0151	-.1184	68302.	69.0	100.6	1.46	2.254	100.6	226.7	.000
13900.0	683.8	1437.0	-.0144	-.1141	67220.	69.1	99.0	1.43	2.253	99.0	223.1	.000
13800.0	683.5	1437.2	-.0137	-.1098	66120.	69.1	97.4	1.41	2.253	97.4	219.4	.000
13700.0	683.3	1437.4	-.0130	-.1055	65001.	69.2	95.8	1.38	2.252	95.8	215.8	.000
13600.0	683.0	1437.6	-.0124	-.1013	63862.	69.2	94.1	1.36	2.251	94.1	212.0	.000
13500.0	682.7	1437.8	-.0117	-.0972	62720.	69.8	94.6	1.36	2.271	94.3	214.2	.006
13400.0	682.4	1437.9	-.0111	-.0931	61583.	70.7	97.7	1.37	2.308	96.2	222.7	.017
13300.0	682.1	1438.1	-.0105	-.0890	60738.	71.5	99.4	1.39	2.339	97.8	230.4	.025
13200.0	681.8	1438.3	-.0100	-.0850	59963.	72.1	100.7	1.40	2.366	98.7	236.3	.032
13100.0	681.5	1438.5	-.0094	-.0810	59044.	72.7	102.0	1.40	2.389	99.7	238.3	.038
13000.0	681.2	1438.7	-.0088	-.0771	58272.	73.2	103.2	1.41	2.411	100.5	242.5	.044
12900.0	680.9	1438.9	-.0083	-.0732	57540.	73.7	104.2	1.41	2.431	101.2	246.2	.049
12800.0	680.7	1439.1	-.0078	-.0693	56844.	74.1	105.2	1.42	2.449	101.9	249.6	.053
12700.0	680.4	1439.3	-.0073	-.0655	56178.	74.5	106.0	1.42	2.466	102.4	252.7	.058
12600.0	680.1	1439.5	-.0068	-.0617	55540.	75.0	106.8	1.42	2.482	102.9	255.7	.061
12500.0	679.8	1439.7	-.0063	-.2580	54927.	75.3	107.5	1.43	2.502	103.3	259.5	.065
12400.0	679.5	1439.9	-.0059	-.0543	54337.	75.7	108.2	1.43	2.519	103.7	261.6	.069
12300.0	679.2	1440.1	-.0054	-.0506	53767.	76.0	108.8	1.43	2.533	104.1	263.6	.072
12200.0	678.9	1440.3	-.0050	-.0470	53217.	76.4	109.4	1.43	2.547	104.4	265.9	.075
12100.0	678.6	1440.5	-.0045	-.0434	52685.	76.7	109.9	1.43	2.561	104.7	268.1	.078

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 590 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
12000.0	678.3	1440.7	-.0041	-.0198	52169.	77.0	110.4	1.43	2.574	102.9	270.3	.091
11900.0	678.0	1441.0	-.0037	-.0183	51668.	77.5	110.9	1.44	2.587	103.2	272.3	.093
11800.0	677.7	1441.3	-.0033	-.0168	51181.	77.9	111.4	1.44	2.600	103.5	274.4	.096
11700.0	677.3	1441.4	-.0029	-.0293	50708.	77.8	111.8	1.44	2.612	103.7	276.1	.099
11600.0	677.0	1441.6	-.0026	-.0258	50248.	78.1	112.2	1.44	2.624	103.9	278.0	.091
11500.0	676.7	1441.8	-.0022	-.0224	49799.	78.3	112.6	1.44	2.636	104.1	279.7	.093
11400.0	676.4	1442.0	-.0018	-.0190	49362.	78.6	113.0	1.44	2.647	104.3	281.4	.096
11300.0	676.1	1442.2	-.0015	-.0156	48936.	78.8	113.4	1.44	2.659	104.4	283.0	.098
11200.0	675.8	1442.5	-.0012	-.0123	48519.	79.1	113.7	1.44	2.670	104.6	284.6	.100
11100.0	675.5	1442.7	-.0008	-.0090	48113.	79.3	114.0	1.44	2.680	104.7	286.1	.102
11000.0	675.2	1442.9	-.0005	-.0057	47715.	79.5	114.3	1.44	2.691	104.9	287.6	.104
10900.0	674.9	1443.1	-.0002	-.0024	47327.	79.8	114.6	1.44	2.701	105.0	289.0	.106

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 600 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XE
22120.0	680.7	1482.8	*******	*******	118744.	74.5	178.5	2.40	2.167	178.5	386.8	.000
22100.0	680.7	1482.9	-3.2519	-7.4679	118624.	74.5	178.3	2.39	2.167	178.3	386.4	.000
22000.0	680.4	1483.1	-1.1374	-2.8851	118018.	74.5	177.5	2.38	2.166	177.5	384.4	.000
21900.0	680.2	1483.2	-.9854	-2.5073	117409.	74.6	176.6	2.37	2.165	176.6	382.3	.000
21800.0	679.9	1483.4	-.8704	-2.2159	116796.	74.6	175.7	2.35	2.164	175.7	380.3	.000
21700.0	679.6	1483.6	-.7800	-1.9860	116181.	74.7	174.8	2.34	2.163	174.8	378.2	.000
21600.0	679.3	1483.9	-.6989	-1.7851	115562.	74.7	173.9	2.33	2.163	173.9	376.1	.000
21500.0	679.1	1484.1	-.6235	-1.6239	114939.	74.8	173.0	2.31	2.162	173.0	374.0	.000
21400.0	678.8	1484.3	-.5593	-1.4778	114314.	74.8	172.1	2.30	2.161	172.1	371.9	.000
21300.0	678.5	1484.5	-.5029	-1.3691	113684.	74.9	171.2	2.29	2.160	171.2	369.8	.000
21200.0	678.3	1484.8	-.4509	-1.2827	113052.	75.0	170.3	2.27	2.159	170.3	367.7	.000
21100.0	678.0	1484.7	-.4000	-1.2037	112415.	75.0	169.4	2.26	2.159	169.4	365.6	.000
21000.0	677.7	1484.9	-.3573	-.8758	111775.	75.1	168.4	2.24	2.158	168.4	363.4	.000
20900.0	677.4	1485.0	-.3400	-.8317	111131.	75.2	167.5	2.23	2.157	167.5	361.3	.000
20800.0	677.2	1485.2	-.3248	-.7962	110483.	75.2	166.6	2.22	2.156	166.6	359.1	.000
20700.0	676.9	1485.4	-.3113	-.7665	109832.	75.2	165.6	2.20	2.155	165.6	356.9	.000
20600.0	676.6	1485.6	-.1980	-.7239	109176.	75.3	164.7	2.19	2.154	164.7	354.7	.000
20500.0	676.3	1485.8	-.1878	-.6940	108517.	75.3	163.7	2.17	2.154	163.7	352.5	.000
20400.0	676.0	1486.0	-.1777	-.6665	107853.	75.4	162.7	2.16	2.153	162.7	350.3	.000
20300.0	675.7	1486.2	-.1684	-.6409	107185.	75.5	161.8	2.14	2.152	161.8	348.1	.000
20200.0	675.5	1486.4	-.1599	-.6170	106513.	75.5	160.8	2.13	2.151	160.8	345.8	.000
20100.0	675.2	1486.6	-.1520	-.5946	105837.	75.6	159.8	2.11	2.150	159.8	343.6	.000
20000.0	674.9	1486.8	-.1446	-.5736	105156.	75.6	158.8	2.10	2.149	158.8	341.3	.000
19900.0	674.6	1487.0	-.1378	-.5538	104470.	75.7	157.8	2.09	2.148	157.8	339.0	.000
19800.0	674.3	1487.2	-.1314	-.5351	103781.	75.7	156.8	2.07	2.148	156.8	336.7	.000
19700.0	674.0	1487.4	-.1254	-.5175	103086.	75.8	155.8	2.06	2.147	155.8	334.4	.000
19600.0	673.7	1487.6	-.1198	-.5004	102386.	75.8	154.8	2.04	2.146	154.8	332.1	.000
19500.0	673.5	1487.8	-.1145	-.4843	101682.	75.9	153.7	2.03	2.145	153.7	329.7	.000
19400.0	673.2	1488.0	-.1096	-.4689	100973.	76.0	152.7	2.01	2.144	152.7	327.4	.000
19300.0	672.9	1488.2	-.1049	-.4542	100258.	76.0	151.6	1.99	2.143	151.6	325.0	.000
19200.0	672.6	1488.5	-.1004	-.4401	99538.	76.1	150.6	1.98	2.142	150.6	322.6	.000
19100.0	672.3	1488.6	-.0962	-.4268	98813.	76.1	149.5	1.96	2.141	149.5	320.2	.000
19000.0	672.0	1488.8	-.0922	-.4135	98083.	76.2	148.4	1.95	2.141	148.4	317.8	.000
18900.0	671.7	1489.0	-.0883	-.4010	97349.	76.3	147.4	1.93	2.140	147.4	315.3	.000
18800.0	671.4	1489.2	-.0847	-.3890	96605.	76.3	146.3	1.92	2.139	146.3	312.9	.000
18700.0	671.1	1489.4	-.0813	-.3773	95858.	76.4	145.2	1.90	2.138	145.2	310.4	.000
18600.0	670.8	1489.6	-.0780	-.3661	95104.	76.4	144.1	1.88	2.137	144.1	307.9	.000
18500.0	670.5	1489.9	-.0748	-.3552	94344.	76.5	143.0	1.87	2.136	143.0	305.4	.000
18400.0	670.2	1490.0	-.0718	-.3449	93579.	76.6	141.9	1.85	2.135	141.9	302.8	.000
18300.0	669.9	1490.1	-.0688	-.3349	92806.	76.6	140.7	1.84	2.134	140.7	300.1	.000
18200.0	669.6	1490.5	-.0662	-.3247	92029.	76.7	139.5	1.82	2.133	139.5	297.5	.000
18100.0	669.3	1490.7	-.0635	-.3151	91242.	76.7	138.4	1.80	2.132	138.4	294.8	.000
18000.0	669.0	1490.9	-.0610	-.3058	90449.	76.8	137.2	1.79	2.132	137.2	292.5	.000
17900.0	668.7	1491.1	-.0586	-.2968	89649.	76.9	136.0	1.77	2.131	136.0	289.8	.000
17800.0	668.3	1491.4	-.0562	-.2881	88842.	76.9	134.8	1.75	2.130	134.8	287.2	.000
17700.0	668.0	1491.6	-.0540	-.2796	88028.	77.0	133.6	1.74	2.129	133.6	284.5	.000
17600.0	667.7	1491.8	-.0518	-.2713	87209.	77.0	132.4	1.72	2.128	132.4	281.8	.000
17500.0	667.4	1492.0	-.0498	-.2633	86383.	77.1	131.2	1.70	2.127	131.2	279.0	.000
17400.0	667.1	1492.3	-.0478	-.2554	85552.	77.2	129.9	1.69	2.126	129.9	276.2	.000
17300.0	666.8	1492.5	-.0459	-.2479	84714.	77.2	128.7	1.67	2.125	128.7	273.3	.000
17200.0	666.5	1492.7	-.0440	-.2403	83870.	77.3	127.4	1.65	2.124	127.4	270.4	.000
17100.0	666.1	1492.9	-.0422	-.2331	83019.	77.4	126.1	1.63	2.123	126.1	267.4	.000
17000.0	665.8	1493.2	-.0403	-.2260	82160.	77.4	124.8	1.61	2.122	124.8	264.4	.000
16900.0	665.5	1493.4	-.0386	-.2190	81293.	77.5	123.5	1.59	2.121	123.5	261.3	.000
16800.0	665.2	1493.6	-.0369	-.2122	80419.	77.6	122.2	1.57	2.120	122.2	258.1	.000
16700.0	664.8	1493.9	-.0352	-.2057	79536.	77.6	120.9	1.55	2.119	120.9	254.9	.000
16600.0	664.5	1494.1	-.0343	-.1992	78502.	77.7	119.5	1.54	2.118	119.5	253.1	.000
16500.0	664.2	1494.4	-.0329	-.1931	77577.	77.8	118.1	1.52	2.116	118.1	250.1	.000
16400.0	663.9	1494.6	-.0315	-.1868	76641.	77.8	116.7	1.50	2.115	116.7	247.0	.000
16300.0	663.5	1494.9	-.0302	-.1807	75693.	77.9	115.3	1.48	2.114	115.3	243.9	.000
16200.0	663.2	1495.1	-.0289	-.1747	74733.	78.0	113.9	1.46	2.113	113.9	240.7	.000
16100.0	662.9	1495.3	-.0277	-.1689	73760.	78.0	112.4	1.44	2.111	112.4	237.5	.000
16000.0	662.5	1495.6	-.0264	-.1631	72774.	78.1	110.9	1.42	2.110	110.9	234.4	.000
15900.0	662.2	1495.8	-.0253	-.1574	71775.	78.2	109.5	1.40	2.109	109.5	231.1	.000
15800.0	661.9	1496.1	-.0241	-.1519	70761.	78.2	107.9	1.38	2.107	107.9	227.8	.000
15700.0	661.5	1496.3	-.0230	-.1464	69732.	78.3	106.4	1.36	2.106	106.4	224.5	.000
15600.0	661.2	1496.6	-.0220	-.1410	68687.	78.4	104.8	1.34	2.105	104.8	221.0	.000
15500.0	660.8	1496.8	-.0209	-.1357	67627.	78.5	103.4	1.32	2.103	103.4	218.1	.001
15400.0	660.5	1497.1	-.0199	-.1305	66607.	79.3	105.5	1.33	2.141	104.9	224.5	.011
15300.0	660.1	1497.4	-.0190	-.1254	65564.	80.0	107.3	1.34	2.160	106.1	230.1	.020
15200.0	659.8	1497.6	-.0180	-.1203	64783.	80.6	108.8	1.35	2.193	107.9	234.9	.028
15100.0	659.4	1497.9	-.0171	-.1153	63952.	81.1	110.0	1.36	2.215	107.9	239.1	.035
15000.0	659.1	1498.2	-.0162	-.1104	63164.	81.7	111.2	1.36	2.236	108.7	243.0	.041
14900.0	658.7	1498.4	-.0153	-.1056	62415.	82.1	112.2	1.37	2.255	109.3	246.6	.047
14800.0	658.4	1498.7	-.0145	-.1008	61599.	82.6	113.2	1.37	2.273	109.9	249.9	.052
14700.0	658.0	1499.0	-.0137	-.0961	61013.	83.0	114.1	1.37	2.290	110.4	253.0	.056
14600.0	657.7	1499.2	-.0129	-.0915	60351.	83.4	114.9	1.38	2.307	110.9	255.8	.061
14500.0	657.3	1499.5	-.0121	-.0869	59719.	83.9	115.6	1.38	2.323	111.3	258.5	.065
14400.0	657.0	1499.7	-.0114	-.0824	59105.	84.2	116.3	1.38	2.337	111.7	261.1	.069
14300.0	656.6	1500.0	-.0107	-.0779	58514.	84.5	116.9	1.38	2.351	112.0	263.4	.072
14200.0	656.2	1500.3	-.0100	-.0735	57942.	84.9	117.5	1.39	2.365	112.4	265.8	.076
14100.0	655.9	1500.6	-.0093	-.0691	57387.	85.2	118.1	1.39	2.378	112.7	268.0	.079
14020.0	655.5	1500.9	-.0086	-.0648	56848.	85.5	118.7	1.39	2.391	113.0	270.1	.083
13900.0	655.1	1501.2	-.0080	-.0606	56324.	85.8	119.2	1.39	2.404	113.2	272.1	.086
13820.0	654.7	1501.5	-.0073	-.0564	55815.	86.1	119.7	1.39	2.416	113.4	274.0	.089
13700.0	654.4	1501.9	-.0067	-.0522	55320.	86.4	120.1	1.39	2.428	113.7	275.8	.091
13600.0	654.0	1502.1	-.0061	-.0481	54837.	86.7	120.6	1.39	2.439	113.9	277.4	.094
13500.0	653.6	1502.4	-.0056	-.0440	54367.	87.0	121.0	1.39	2.451	114.1	279.5	.097
13400.0	653.2	1502.7	-.0050	-.0400	53908.	87.2	121.4	1.39	2.462	114.3	281.2	.099
13300.0	652.8	1503.0	-.0045	-.0360	53459.	87.5	121.8	1.39	2.473	114.4	282.9	.102
13200.0	652.5	1503.3	-.0039	-.0321	53021.	87.7	122.1	1.39	2.483	114.6	284.4	.104
13100.0	652.1	1503.6	-.0034	-.0282	52593.	88.0	122.5	1.39	2.493	114.7	286.0	.106
13000.0	651.7	1503.9	-.0029	-.0243	52175.	88.2	122.9	1.39	2.503	114.9	287.5	.109
12900.0	651.3	1504.2	-.0024	-.0205	51765.	88.5	123.2	1.39	2.513	115.0	288.9	.111
12800.0	650.9	1504.5	-.0020	-.0167	51363.	88.7	123.5	1.39	2.523	115.1	290.3	.113
12700.0	650.5	1504.8	-.0015	-.0129	50970.	88.9	123.8	1.39	2.532	115.2	291.7	.115
12600.0	650.1	1505.1	-.0011	-.0092	50585.	89.2	124.1	1.39	2.542	115.3	293.1	.117
12500.0	649.7	1505.4	-.0006	-.0055	50207.	89.4	124.4	1.39	2.551	115.4	294.4	.119
12400.0	649.3	1505.7	-.0002	-.0018	49837.	89.6	124.7	1.39	2.560	115.5	295.7	.121

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 610 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
22120.0	654.2	1545.1	*******	*******	107396.	85.1	168.2	1.98	2.016	168.2	339.1	.000
22100.0	654.1	1545.2	-3.1185	-6.8418	107264.	85.1	168.0	1.97	2.016	168.0	338.9	.000
22000.0	653.7	1545.4	-1.0407	-2.6337	106604.	85.1	167.0	1.96	2.015	167.0	336.5	.000
21900.0	653.4	1545.7	-.7420	-1.9125	105940.	85.2	166.0	1.95	2.014	166.0	334.2	.000
21800.0	653.1	1546.0	-.5934	-1.5678	105271.	85.3	165.0	1.93	2.013	165.0	332.0	.000
21700.0	652.7	1546.2	-.4870	-1.3346	104598.	85.4	164.0	1.92	2.012	164.0	329.8	.000
21600.0	652.4	1546.5	-.4206	-1.2052	103920.	85.4	163.0	1.91	2.011	163.0	327.8	.000
21500.0	652.0	1546.7	-.3714	-1.0925	103238.	85.5	162.0	1.89	2.010	162.0	325.6	.000
21400.0	651.7	1547.0	-.3329	-1.0032	102551.	85.6	160.9	1.88	2.009	160.9	323.4	.000
21300.0	651.4	1547.3	-.3018	-.9209	101860.	85.7	159.9	1.87	2.008	159.9	321.3	.000
21200.0	651.0	1547.5	-.2760	-.8581	101163.	85.7	158.9	1.85	2.007	158.9	319.2	.000
21100.0	650.7	1547.8	-.2541	-.8149	100462.	85.8	157.8	1.84	2.006	157.8	316.8	.000
21000.0	650.3	1548.1	-.2352	-.7685	99756.	85.9	156.7	1.83	2.005	156.7	314.3	.000
20900.0	650.0	1548.4	-.2187	-.7273	99044.	86.0	155.7	1.81	2.004	155.7	312.0	.000
20800.0	649.6	1548.8	-.2042	-.6904	98327.	86.0	154.6	1.80	2.003	154.6	309.6	.000
20700.0	649.2	1549.1	-.1912	-.6570	97605.	86.1	153.5	1.78	2.002	153.5	307.2	.000
20600.0	648.9	1549.2	-.1795	-.6266	96877.	86.2	152.4	1.77	2.001	152.4	305.0	.000
20500.0	648.5	1549.5	-.1689	-.5986	96143.	86.3	151.3	1.75	2.000	151.3	302.6	.000
20400.0	648.2	1549.8	-.1593	-.5728	95404.	86.3	150.2	1.74	1.999	150.2	300.3	.000
20300.0	647.8	1550.0	-.1504	-.5488	94659.	86.4	149.0	1.72	1.998	149.0	297.8	.000
20200.0	647.4	1550.3	-.1423	-.5264	93907.	86.5	147.9	1.71	1.997	147.9	295.4	.000
20100.0	647.1	1550.6	-.1348	-.5054	93150.	86.6	146.8	1.69	1.996	146.8	292.9	.000
20000.0	646.7	1550.9	-.1278	-.4857	92386.	86.7	145.5	1.68	1.995	145.6	290.3	.000
19900.0	646.3	1551.2	-.1213	-.4671	91616.	86.7	144.4	1.67	1.994	144.4	288.0	.000
19800.0	646.0	1551.5	-.1152	-.4497	90838.	86.8	143.2	1.65	1.993	143.2	285.5	.000
19700.0	645.6	1551.9	-.1096	-.4327	90054.	86.9	142.1	1.63	1.992	142.1	283.0	.000
19600.0	645.2	1552.1	-.1042	-.4168	89263.	87.0	140.9	1.62	1.991	140.9	280.4	.000
19500.0	644.8	1552.4	-.0992	-.4016	88465.	87.1	139.6	1.60	1.990	139.6	277.8	.000
19400.0	644.4	1552.7	-.0945	-.3871	87659.	87.2	138.4	1.59	1.989	138.4	275.2	.000
19300.0	644.1	1553.0	-.0900	-.3733	86845.	87.2	137.2	1.57	1.988	137.2	272.6	.000
19200.0	643.7	1553.3	-.0858	-.3599	86024.	87.3	135.9	1.56	1.986	135.9	270.0	.000
19100.0	643.3	1553.6	-.0818	-.3471	85194.	87.4	134.7	1.54	1.985	134.7	267.3	.000
19000.0	642.9	1553.9	-.0780	-.3348	84357.	87.5	133.4	1.52	1.984	133.4	264.6	.000
18900.0	642.5	1554.2	-.0744	-.3230	83510.	87.6	132.1	1.51	1.983	132.1	261.9	.000
18800.0	642.1	1554.6	-.0709	-.3116	82655.	87.7	130.8	1.49	1.982	130.8	259.2	.000
18700.0	641.7	1554.9	-.0677	-.3005	81790.	87.7	129.4	1.48	1.981	129.4	256.4	.000
18600.0	641.3	1555.2	-.0646	-.2899	80916.	87.8	128.1	1.46	1.980	128.1	253.6	.000
18500.0	640.9	1555.5	-.0616	-.2796	80032.	87.9	126.7	1.44	1.979	126.7	250.8	.000
18400.0	640.5	1555.8	-.0587	-.2696	79138.	88.0	125.4	1.42	1.978	125.4	247.9	.000
18300.0	640.1	1556.2	-.0560	-.2599	78233.	88.1	124.0	1.41	1.977	124.0	245.1	.000
18200.0	639.7	1556.5	-.0534	-.2505	77318.	88.2	122.6	1.39	1.975	122.6	242.1	.000
1810?.0	639.3	1556.8	-.0509	-.2414	75391.	88.3	121.1	1.37	1.974	121.1	239.2	.000
18000.0	638.9	1557.2	-.0485	-.2326	75453.	88.4	119.7	1.35	1.973	119.7	236.2	.000
17900.0	638.5	1557.5	-.0463	-.2240	74503.	88.5	118.2	1.34	1.972	118.2	233.2	.000
17800.0	638.1	1557.9	-.0441	-.2156	73540.	88.5	116.7	1.32	1.971	116.7	230.1	.000
17700.0	637.7	1558.2	-.0420	-.2075	72563.	88.6	115.2	1.30	1.970	115.2	227.0	.000
17600.0	637.2	1558.5	-.0400	-.1996	71582.	89.0	113.9	1.29	1.982	114.9	227.7	.005
17500.0	636.8	1558.9	-.0380	-.1919	70650.	89.6	116.7	1.30	2.006	115.8	232.4	.014
17400.0	636.4	1559.2	-.0361	-.1843	69769.	90.1	118.0	1.31	2.008	116.2	234.6	.020
17300.0	636.0	1559.6	-.0344	-.1770	68932.	90.6	119.3	1.32	2.040	116.7	236.0	.030
17200.0	635.5	1560.0	-.0328	-.1699	68133.	91.2	120.3	1.32	2.068	118.0	241.9	.037
17100.0	635.1	1560.3	-.0310	-.1629	67364.	91.6	121.3	1.32	2.086	118.8	247.2	.043
17000.0	634.7	1560.7	-.0294	-.1561	66636.	92.1	122.2	1.33	2.103	119.0	250.3	.049
16900.0	634.2	1561.1	-.0278	-.1494	65931.	92.6	123.0	1.33	2.119	119.2	253.2	.055
16800.0	633.8	1561.4	-.0264	-.1429	65258.	92.9	123.8	1.33	2.135	119.6	255.9	.060
16700.0	633.3	1561.8	-.0249	-.1365	64595.	93.3	124.6	1.34	2.150	120.3	258.6	.064
16600.0	632.9	1562.2	-.0235	-.1302	63961.	93.7	125.3	1.34	2.164	120.6	261.0	.069
16500.0	632.4	1562.6	-.0223	-.1243	63367.	94.0	125.9	1.34	2.179	121.0	263.4	.073
16400.0	631.9	1562.9	-.0210	-.1183	62751.	94.4	126.6	1.34	2.191	121.3	265.7	.079
16300.0	631.5	1563.3	-.0199	-.1124	62173.	94.7	127.2	1.34	2.204	121.5	267.9	.085
16200.0	631.1	1563.7	-.0189	-.1065	61610.	95.1	127.7	1.34	2.216	121.8	269.9	.088
16100.0	630.6	1564.1	-.0174	-.1008	61064.	95.4	128.3	1.34	2.228	122.0	272.0	.088
16000.0	630.1	1564.5	-.0162	-.0952	60531.	95.7	128.8	1.35	2.240	122.3	273.9	.091
15900.0	629.7	1564.9	-.0151	-.0897	60012.	96.0	129.3	1.35	2.252	122.5	275.8	.095
15800.0	629.2	1565.3	-.0141	-.0843	59506.	96.3	129.9	1.35	2.263	122.7	277.6	.098
15700.0	628.7	1565.7	-.0131	-.0789	59012.	96.6	130.4	1.35	2.274	122.9	279.3	.101
15600.0	628.2	1566.1	-.0121	-.0737	58530.	96.9	130.9	1.35	2.284	123.0	281.0	.104
15500.0	627.8	1566.5	-.0111	-.0685	58060.	97.2	131.4	1.35	2.295	123.2	282.7	.107
15400.0	627.3	1567.0	-.0102	-.0634	57598.	97.5	131.9	1.35	2.305	123.4	284.3	.109
15300.0	626.8	1567.4	-.0093	-.0584	57147.	97.8	132.4	1.35	2.315	123.5	285.9	.112
15200.0	626.3	1567.8	-.0084	-.0534	56705.	98.0	132.9	1.35	2.324	123.6	287.4	.114
15100.0	625.8	1568.2	-.0076	-.0485	56273.	98.3	133.4	1.35	2.334	123.8	288.9	.117
15000.0	625.3	1568.7	-.0068	-.0437	55849.	98.6	133.0	1.35	2.343	123.9	290.3	.119
14900.0	624.8	1569.1	-.0060	-.0389	55434.	98.8	133.3	1.35	2.353	124.0	291.7	.122
14800.0	624.3	1569.6	-.0052	-.0342	55026.	99.1	133.7	1.35	2.362	124.2	293.1	.124
14700.0	623.8	1570.0	-.0044	-.0295	54627.	99.3	134.0	1.35	2.371	124.3	294.5	.126
14600.0	623.2	1570.5	-.0037	-.0249	54235.	99.5	134.3	1.35	2.379	124.4	295.8	.128
14500.0	622.7	1570.9	-.0030	-.0204	53850.	99.8	134.6	1.35	2.388	124.4	297.0	.131
14400.0	622.2	1571.4	-.0023	-.0159	53471.	100.1	134.9	1.35	2.396	124.5	298.3	.133
14300.0	621.7	1571.8	-.0017	-.0115	53100.	100.3	135.2	1.35	2.405	124.6	299.4	.134
14200.0	621.1	1572.3	-.0010	-.0071	52735.	100.5	135.5	1.35	2.413	124.6	300.7	.137
14100.0	620.6	1572.8	-.0004	-.0027	52376.	100.8	135.8	1.35	2.421	124.7	301.9	.139

TABLE 2. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 620 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XS
22120.0	623.0	1613.4	*******	*******	93980.	97.7	154.7	1.58	1.861	154.7	287.9	.000
22100.0	622.9	1613.5	-2.9477	-6.1946	93931.	97.7	154.5	1.58	1.861	154.5	287.4	.000
22000.0	622.5	1613.8	-1.0079	-2.3387	93685.	97.8	153.3	1.57	1.860	153.3	285.1	.000
21900.0	622.0	1614.2	-.6662	-1.6637	92933.	97.9	152.1	1.55	1.858	152.1	282.7	.000
21800.0	621.5	1614.6	-.5358	-1.3703	91937.	98.0	150.9	1.54	1.857	150.9	280.3	.000
21700.0	621.1	1615.0	-.4645	-1.1763	90907.	98.1	149.7	1.53	1.856	149.7	277.9	.000
21600.0	620.6	1615.4	-.3816	-1.0402	90034.	98.3	148.5	1.51	1.855	148.5	275.5	.000
21500.0	620.1	1615.8	-.3350	-.9374	89255.	98.4	147.3	1.50	1.853	147.3	273.0	.000
21400.0	619.7	1616.2	-.2987	-.8559	88498.	98.5	146.1	1.48	1.852	146.1	270.6	.000
21300.0	619.2	1616.7	-.2693	-.7888	87674.	98.6	144.9	1.47	1.851	144.9	268.1	.000
21200.0	618.7	1617.1	-.2450	-.7323	86872.	98.7	143.6	1.46	1.850	143.6	265.5	.000
21100.0	618.3	1617.5	-.2243	-.6836	86063.	98.9	142.3	1.44	1.848	142.3	263.0	.000
21000.0	617.8	1617.9	-.7365	-.6409	85245.	98.9	141.0	1.43	1.847	141.0	260.5	.000
20900.0	617.3	1618.3	-.1210	-.6031	84419.	99.0	139.7	1.41	1.846	139.7	257.9	.000
20800.0	616.8	1618.8	-.1793	-.5692	83585.	99.0	138.4	1.40	1.845	138.4	255.3	.000
20700.0	616.3	1619.2	-.1651	-.5384	82742.	99.3	137.1	1.38	1.843	137.1	252.6	.000
20600.0	615.8	1619.6	-.1541	-.5103	81899.	99.4	135.9	1.37	1.842	135.9	250.0	.000
20500.0	615.3	1620.1	-.1441	-.4845	81027.	99.5	134.3	1.35	1.841	134.3	247.3	.000
20400.0	614.8	1620.5	-.1350	-.4606	80156.	99.6	133.0	1.34	1.839	133.0	244.6	.000
20300.0	614.3	1621.0	-.1269	-.4384	79275.	99.8	131.6	1.32	1.838	131.6	241.8	.000
20200.0	613.8	1621.4	-.1191	-.4177	78383.	99.9	130.1	1.30	1.837	130.1	239.0	.000
20100.0	613.3	1621.9	-.1120	-.3982	77480.	100.0	128.7	1.29	1.835	128.7	236.2	.000
20000.0	612.7	1622.4	-.1055	-.3798	76567.	100.1	127.3	1.27	1.834	127.3	233.4	.000
19900.0	612.2	1622.8	-.0994	-.3625	75643.	100.3	127.5	1.27	1.847	127.5	234.8	.007
19800.0	611.7	1623.3	-.0937	-.3461	74710.	101.0	128.0	1.27	1.867	128.0	236.4	.016
19700.0	611.2	1623.8	-.0884	-.3304	73937.	101.5	129.7	1.28	1.886	129.2	240.8	.034
19600.0	610.6	1624.3	-.0834	-.3155	73131.	101.9	130.6	1.28	1.904	128.6	245.0	.052
19500.0	610.1	1624.7	-.0787	-.3013	72355.	102.4	131.6	1.29	1.921	129.1	248.0	.039
19400.0	609.5	1625.2	-.0742	-.2877	71607.	102.8	132.6	1.29	1.938	129.5	250.8	.046
19300.0	609.0	1625.7	-.0701	-.2747	70885.	103.2	133.2	1.29	1.953	129.8	253.0	.052
19200.0	608.4	1626.2	-.0661	-.2621	70186.	103.6	134.0	1.29	1.968	130.1	256.2	.058
19100.0	607.9	1626.7	-.0624	-.2501	69508.	104.0	134.7	1.30	1.982	130.4	258.6	.064
19000.0	607.3	1627.3	-.0588	-.2384	68852.	104.4	135.4	1.30	1.996	130.7	261.0	.069
18900.0	606.7	1627.8	-.0554	-.2272	68214.	104.7	136.0	1.30	2.010	131.0	263.2	.074
18800.0	606.1	1628.3	-.0522	-.2164	67594.	105.1	136.7	1.30	2.022	131.3	265.4	.079
18700.0	605.6	1628.8	-.0491	-.2059	66990.	105.5	137.3	1.30	2.035	131.5	267.6	.083
18600.0	605.0	1629.4	-.0462	-.1958	66403.	105.8	137.8	1.30	2.047	131.7	269.6	.087
18500.0	604.4	1629.9	-.0434	-.1860	65830.	106.2	138.4	1.30	2.059	131.9	271.6	.091
18400.0	603.8	1630.5	-.0408	-.1764	65272.	106.5	138.9	1.30	2.070	132.1	273.5	.095
18300.0	603.2	1631.0	-.0382	-.1672	64726.	106.8	139.5	1.31	2.082	132.3	275.4	.099
18200.0	602.6	1631.6	-.0358	-.1582	64194.	107.2	140.0	1.31	2.093	132.5	277.2	.103
18100.0	602.0	1632.1	-.0335	-.1495	63673.	107.5	140.5	1.31	2.103	132.6	279.0	.106
18000.0	601.3	1632.7	-.0313	-.1410	63165.	107.8	140.9	1.31	2.114	132.8	280.7	.109
17900.0	600.7	1633.3	-.0292	-.1329	62667.	108.1	141.4	1.31	2.124	133.0	282.4	.113
17800.0	600.1	1633.9	-.0271	-.1249	62179.	108.4	141.8	1.31	2.134	133.1	284.0	.116
17700.0	599.4	1634.5	-.0251	-.1167	61701.	108.8	142.3	1.31	2.143	133.2	285.6	.119
17600.0	598.8	1635.1	-.0232	-.1091	61233.	109.1	142.7	1.31	2.153	133.4	287.1	.122
17500.0	598.1	1635.7	-.0214	-.1016	60775.	109.4	143.1	1.31	2.162	133.5	288.7	.125
17400.0	597.5	1636.3	-.0197	-.0942	60325.	109.7	143.5	1.31	2.171	133.6	290.1	.128
17300.0	596.8	1637.0	-.0180	-.0870	59883.	110.0	143.9	1.31	2.181	133.7	291.6	.131
17200.0	596.1	1637.6	-.0164	-.0800	59450.	110.3	144.3	1.31	2.190	133.8	293.0	.133
17100.0	595.4	1638.3	-.0148	-.0732	59024.	110.6	144.7	1.31	2.198	133.9	294.4	.136
17000.0	594.7	1638.9	-.0133	-.0664	58606.	110.9	145.0	1.31	2.207	134.0	295.8	.139
16900.0	594.0	1639.6	-.0119	-.0598	58195.	111.2	145.4	1.31	2.215	134.1	297.1	.141
16800.0	593.3	1640.3	-.0105	-.0534	57791.	111.4	145.7	1.31	2.223	134.2	298.5	.144
16700.0	592.6	1640.9	-.0092	-.0470	57394.	111.7	146.1	1.31	2.232	134.3	299.7	.146
16600.0	591.9	1641.6	-.0079	-.0408	57003.	112.0	146.4	1.31	2.240	134.4	301.0	.148
16500.0	591.1	1642.3	-.0067	-.0348	56618.	112.3	146.8	1.31	2.247	134.5	302.2	.151
16400.0	590.4	1643.1	-.0055	-.0287	56240.	112.6	147.1	1.31	2.255	134.6	303.5	.153
16300.0	589.6	1643.8	-.0043	-.0228	55867.	112.9	147.4	1.31	2.263	134.7	304.7	.156
16200.0	588.8	1644.5	-.0031	-.0169	55501.	113.2	147.7	1.31	2.270	134.7	305.8	.158
16100.0	588.0	1645.3	-.0020	-.0111	55139.	113.4	148.0	1.31	2.278	134.8	307.0	.160
16000.0	587.2	1646.1	-.0010	-.0053	54783.	113.7	148.4	1.30	2.285	134.8	308.1	.162

TABLE I. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 630 K)

PO KPA	RO KG/M3	HO KJ/KG	X3	AO	G KG/(S-M2)	AVE M/S	VAVG M/S	HAVG	SLIP	VL M/S	VV M/S	XE
22170.0	583.9	1693.2	********	********	77071.	108.9	135.5	1.24	1.693	135.5	229.4	.000
22100.0	583.7	1693.4	-2.7073	-5.3318	76893.	108.9	135.2	1.24	1.693	135.2	229.9	.000
22000.0	583.0	1694.0	-.9251	-1.9673	75489.	115.6	145.3	1.26	1.795	141.9	254.8	.052
21900.0	582.9	1694.7	-.6072	-1.3949	74781.	116.0	146.0	1.26	1.810	142.1	257.2	.059
21800.0	581.6	1695.4	-.4658	-1.1204	74092.	116.4	146.7	1.26	1.823	142.5	259.5	.065
21700.0	580.9	1696.1	-.3838	-.9501	73425.	116.8	147.3	1.26	1.837	142.8	261.8	.071
21600.0	580.2	1696.8	-.3288	-.8303	72769.	117.1	147.9	1.26	1.850	142.7	264.6	.077
21500.0	579.4	1697.6	-.2829	-.7395	72132.	117.5	148.6	1.26	1.862	142.9	266.1	.083
21400.0	578.7	1698.3	-.2494	-.6673	71510.	117.9	149.2	1.27	1.874	143.2	268.1	.088
21300.0	577.9	1699.0	-.2223	-.6078	70902.	118.3	149.9	1.27	1.886	143.5	270.0	.093
21200.0	577.2	1699.8	-.1999	-.5584	70309.	118.6	150.5	1.27	1.898	143.5	271.9	.098
21100.0	576.4	1700.6	-.1808	-.5169	69728.	119.0	151.2	1.27	1.909	143.5	273.9	.102
21000.0	575.6	1701.3	-.1645	-.4817	69159.	119.3	151.9	1.27	1.920	143.6	275.7	.107
20900.0	574.8	1702.1	-.1502	-.4517	68601.	119.7	152.5	1.27	1.931	143.7	277.7	.111
20800.0	574.0	1702.9	-.1376	-.4261	68054.	120.1	153.2	1.27	1.941	143.8	279.6	.116
20700.0	573.2	1703.8	-.1263	-.3985	67519.	120.4	153.9	1.27	1.951	143.9	280.9	.119
20600.0	572.4	1704.6	-.1162	-.3577	66994.	120.8	153.4	1.27	1.961	144.1	282.6	.123
20500.0	571.5	1705.4	-.1070	-.3342	66485.	121.1	153.9	1.27	1.971	144.2	284.3	.127
20400.0	570.7	1706.3	-.0986	-.3125	65981.	121.5	154.3	1.27	1.981	144.3	285.9	.131
20300.0	569.8	1707.2	-.0910	-.2919	65488.	121.8	154.8	1.27	1.990	144.4	287.4	.134
20200.0	569.0	1708.1	-.0839	-.2727	64998.	122.2	155.2	1.27	1.999	144.5	288.9	.138
20100.0	568.0	1709.0	-.0774	-.2546	64520.	122.5	155.7	1.27	2.008	144.6	290.5	.141
20000.0	567.1	1709.9	-.0713	-.2375	64050.	122.9	156.1	1.27	2.017	144.7	292.0	.144
19900.0	566.2	1710.8	-.0656	-.2213	63587.	123.3	156.6	1.27	2.026	144.8	293.4	.148
19800.0	565.3	1711.8	-.0603	-.2059	63132.	123.6	157.0	1.27	2.035	144.9	294.9	.151
19700.0	564.5	1712.8	-.0554	-.1911	62684.	124.0	157.4	1.27	2.043	145.0	296.3	.154
19600.0	563.6	1713.9	-.0507	-.1770	62243.	124.3	157.8	1.27	2.051	145.1	297.7	.157
19500.0	562.7	1714.9	-.0463	-.1634	61809.	124.7	158.2	1.27	2.059	145.2	299.0	.160
19400.0	561.8	1715.8	-.0421	-.1503	61381.	125.1	158.7	1.27	2.067	145.3	300.4	.163
19300.0	560.9	1716.8	-.0382	-.1377	60959.	125.4	159.1	1.27	2.075	145.4	301.7	.166
19200.0	559.9	1717.8	-.0345	-.1256	60543.	125.8	159.5	1.27	2.083	145.5	303.1	.169
19100.0	559.1	1719.1	-.0309	-.1139	60133.	126.2	159.9	1.27	2.091	145.4	304.4	.172
19000.0	557.0	1720.2	-.0275	-.1024	59729.	126.5	160.3	1.27	2.098	145.7	305.6	.174
18900.0	556.9	1721.4	-.0243	-.0912	59329.	126.9	160.7	1.27	2.106	145.7	306.9	.177
18800.0	556.1	1722.6	-.0212	-.0804	58935.	127.3	161.1	1.27	2.113	145.8	308.2	.180
18700.0	555.2	1723.8	-.0183	-.0699	58545.	127.7	161.5	1.26	2.120	145.8	309.4	.183
18600.0	554.4	1725.1	-.0154	-.0596	58160.	128.1	161.9	1.26	2.127	146.0	310.6	.185
18500.0	553.1	1726.4	-.0127	-.0496	57779.	128.5	162.3	1.26	2.134	146.1	311.9	.188
18400.0	552.8	1727.7	-.0101	-.0397	57403.	128.9	162.7	1.26	2.141	146.3	313.1	.191
18300.0	552.0	1729.1	-.0076	-.0301	57030.	129.3	163.1	1.26	2.148	146.5	314.3	.193
18200.0	551.2	1730.5	-.0051	-.0206	56661.	129.7	163.6	1.26	2.155	146.4	315.5	.196
18100.0	550.8	1731.9	-.0028	-.0113	56296.	130.1	164.0	1.26	2.161	146.5	316.6	.199
18000.0	550.4	1733.5	-.0005	-.0021	55934.	130.5	164.4	1.26	2.168	146.6	317.8	.201

TABLE 1. SUBCOOLED CRITICAL FLOW PROPERTIES

(TO 640 K)

PO KPA	RO KG/M3	HO KJ/KG	XO	AO	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
22120.0	525.2	1792.6	*******	*******	65289.	139.6	172.3	1.23	1.908	157.2	300.0	.184
22100.0	524.9	1792.9	-2.2786	-4.0352	65193.	139.7	172.4	1.23	1.910	157.2	300.2	.185
22000.0	523.4	1794.6	-.7200	-1.4046	64717.	140.2	172.9	1.23	1.918	157.3	301.7	.189
21900.0	521.7	1796.4	-.4533	-.9336	64246.	140.7	173.5	1.23	1.926	157.4	303.2	.192
21800.0	520.1	1798.2	-.3438	-.7251	63778.	141.2	174.0	1.23	1.934	157.5	304.6	.196
21700.0	518.4	1800.1	-.2707	-.5979	63315.	141.7	174.6	1.23	1.942	157.6	306.1	.200
21600.0	516.6	1802.1	-.2204	-.5001	62856.	142.3	175.1	1.23	1.949	157.8	307.5	.204
21500.0	514.8	1804.1	-.1830	-.4250	62399.	142.9	175.7	1.23	1.957	157.9	309.0	.207
21400.0	512.9	1806.2	-.1537	-.3644	61945.	143.5	176.3	1.23	1.964	158.0	310.4	.211
21300.0	510.8	1808.5	-.1297	-.3135	61493.	144.1	176.9	1.23	1.972	158.2	311.9	.215
21200.0	508.8	1810.8	-.1097	-.2696	61043.	144.7	177.5	1.23	1.979	158.3	313.3	.219
21100.0	506.6	1813.3	-.0935	-.2309	60594.	145.3	178.1	1.23	1.986	158.5	314.7	.222
21000.0	504.2	1815.9	-.0774	-.1960	60145.	146.0	178.8	1.22	1.993	158.6	316.2	.226
20900.0	501.8	1818.6	-.0640	-.1642	59695.	146.7	179.5	1.22	2.000	158.8	317.6	.230
20800.0	499.2	1821.5	-.0519	-.1348	59244.	147.5	180.2	1.22	2.007	159.0	319.1	.234
20700.0	496.5	1824.6	-.0407	-.1071	58790.	148.3	181.0	1.22	2.013	159.2	320.6	.238
20600.0	493.5	1828.0	-.0304	-.0807	58331.	149.1	181.8	1.22	2.020	159.5	322.1	.243
20500.0	490.3	1831.7	-.0206	-.0553	57866.	150.0	182.6	1.22	2.027	159.7	323.7	.247
20400.0	486.8	1835.7	-.0113	-.0304	57391.	151.0	183.5	1.22	2.033	160.0	325.4	.252
20300.0	482.9	1840.1	-.0021	-.0058	56903.	152.1	184.5	1.21	2.039	160.3	327.0	.257

TABLE 2. Critical State Properties (Subcooled Conditions)

Values of the critical state properties listed below are presented in Table A-2.

Parameter	Symbol
Pressure	P*
Temperature	T*
Density	R*
Enthalpy	H*
Quality	X*
Void fraction	A*

The ratio of critical to stagnation properties listed below are also presented in Table A-2.

Parameter	Symbol
Pressure ratio	PR
Temperature ratio	TR
Density ratio	RR

TABLE 2. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 290 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	Y*	A*	PR	TR	RR
22120.0	*******	********	1.9	289.71	998.9	69.5	.0000	.0000	.0001	.9980	.9982
22100.0	-4.3186	-14.6985	1.9	289.71	998.9	69.5	.0000	.0000	.0001	.9980	.9982
22000.0	-1.5902	-5.9802	1.9	289.71	998.9	69.5	.0000	.0000	.0001	.9980	.9982
21900.0	-1.1310	-4.7003	1.9	289.71	998.9	69.5	.0000	.0000	.0001	.9980	.9983
21800.0	-.9142	-4.0946	1.9	289.72	998.9	69.5	.0000	.0000	.0001	.9980	.9983
21700.0	-.7814	-3.7591	1.9	289.72	998.9	69.5	.0000	.0000	.0001	.9980	.9984
21600.0	-.6898	-3.0547	1.9	289.72	998.9	69.5	.0000	.0000	.0001	.9980	.9984
21500.0	-.6210	-2.8257	1.9	289.72	998.9	69.5	.0000	.0000	.0001	.9980	.9985
21400.0	-.5671	-2.6446	1.9	289.73	998.9	69.5	.0000	.0000	.0001	.9980	.9985
21300.0	-.5233	-2.4984	1.9	289.73	998.9	69.5	.0000	.0000	.0001	.9980	.9985
21200.0	-.4868	-2.3717	1.9	289.73	998.9	69.5	.0000	.0000	.0001	.9981	.9985
21100.0	-.4557	-2.2648	1.9	289.73	998.9	69.5	.0000	.0000	.0001	.9981	.9986
21000.0	-.4287	-2.1715	1.9	289.73	998.9	69.5	.0000	.0000	.0001	.9981	.9987
20900.0	-.4051	-2.0892	1.9	289.73	998.9	69.6	.0000	.0000	.0001	.9981	.9987
20800.0	-.3844	-2.0156	1.9	289.73	998.9	69.6	.0000	.0000	.0001	.9981	.9988
20700.0	-.3653	-1.9491	1.9	289.73	998.9	69.6	.0000	.0000	.0001	.9981	.9988
20600.0	-.3483	-1.8887	1.9	289.73	998.9	69.6	.0000	.0000	.0001	.9981	.9988
20500.0	-.3328	-1.8334	1.9	289.73	998.9	69.6	.0000	.0000	.0001	.9981	.9989
20400.0	-.3187	-1.7825	1.9	289.74	998.9	69.6	.0000	.0000	.0001	.9981	.9989
20300.0	-.3057	-1.7353	1.9	289.74	998.9	69.6	.0000	.0000	.0001	.9981	.9990
20200.0	-.2937	-1.6914	1.9	289.74	998.9	69.6	.0000	.0000	.0001	.9981	.9990
20100.0	-.2825	-1.6503	1.9	289.74	998.9	69.6	.0000	.0000	.0001	.9981	.9991
20000.0	-.2721	-1.6118	1.9	289.74	998.9	69.6	.0000	.0000	.0001	.9981	.9991
19900.0	-.2624	-1.5756	1.9	289.74	998.9	69.6	.0000	.0000	.0001	.9981	.9991
19800.0	-.2533	-1.5414	1.9	289.74	998.9	69.6	.0000	.0000	.0001	.9981	.9991
19700.0	-.2448	-1.5090	1.9	289.75	998.9	69.6	.0000	.0000	.0001	.9981	.9992
19600.0	-.2367	-1.4783	1.9	289.75	998.9	69.6	.0000	.0000	.0001	.9981	.9992
19500.0	-.2291	-1.4491	1.9	289.75	998.9	69.6	.0000	.0000	.0001	.9981	.9992
19400.0	-.2219	-1.4213	1.9	289.75	998.9	69.6	.0000	.0000	.0001	.9981	.9992
19300.0	-.2150	-1.3949	1.9	289.75	998.9	69.6	.0000	.0000	.0001	.9981	.9992
19200.0	-.2085	-1.3693	1.9	289.75	998.9	69.6	.0000	.0000	.0001	.9981	.9992
19100.0	-.2023	-1.3449	1.9	289.75	998.9	69.7	.0000	.0000	.0001	.9982	.9992
19000.0	-.1964	-1.3215	1.9	289.76	998.9	69.7	.0000	.0000	.0001	.9982	.9992
18900.0	-.1908	-1.2991	1.9	289.76	998.9	69.7	.0000	.0000	.0001	.9982	.9992
18800.0	-.1854	-1.2776	1.9	289.76	998.9	69.7	.0000	.0000	.0001	.9982	.9992
18700.0	-.1803	-1.2568	1.9	289.76	998.9	69.7	.0000	.0000	.0001	.9982	.9992
18600.0	-.1754	-1.2367	1.9	289.76	998.9	69.7	.0000	.0000	.0001	.9982	.9992
18500.0	-.1707	-1.2174	1.9	289.76	998.9	69.7	.0000	.0000	.0001	.9982	.9992
18400.0	-.1661	-1.1987	1.9	289.76	998.9	69.7	.0000	.0000	.0001	.9982	.9992
18300.0	-.1618	-1.1807	1.9	289.77	998.9	69.7	.0000	.0000	.0001	.9982	.9992
18200.0	-.1576	-1.1633	1.9	289.77	998.9	69.7	.0000	.0000	.0001	.9982	.9992
18100.0	-.1536	-1.1464	1.9	289.77	998.9	69.7	.0000	.0000	.0001	.9982	.9992
18000.0	-.1497	-1.1300	1.9	289.77	998.9	69.7	.0000	.0000	.0001	.9982	.9992
17900.0	-.1459	-1.1142	1.9	289.77	998.9	69.7	.0000	.0000	.0001	.9982	.9992
17800.0	-.1423	-1.0988	1.9	289.77	998.9	69.7	.0000	.0000	.0001	.9982	.9992
17700.0	-.1389	-1.0839	1.9	289.77	998.9	69.7	.0000	.0000	.0001	.9982	.9992
17600.0	-.1355	-1.0694	1.9	289.77	998.9	69.7	.0000	.0000	.0001	.9982	.9992
17500.0	-.1322	-1.0554	1.9	289.78	998.9	69.7	.0000	.0000	.0001	.9982	.9992
17400.0	-.1291	-1.0417	1.9	289.78	998.9	69.8	.0000	.0000	.0001	.9982	.9992
17300.0	-.1261	-1.0284	1.9	289.78	998.9	69.8	.0000	.0000	.0001	.9982	.9992
17200.0	-.1231	-1.0154	1.9	289.78	998.9	69.8	.0000	.0000	.0001	.9982	.9992
17100.0	-.1203	-1.0028	1.9	289.78	998.9	69.8	.0000	.0000	.0001	.9982	.9992
17000.0	-.1176	-.9906	1.9	289.78	998.9	69.8	.0000	.0000	.0001	.9983	.9992
16900.0	-.1149	-.9786	1.9	289.78	998.9	69.8	.0000	.0000	.0001	.9983	.9992
16800.0	-.1123	-.9669	1.9	289.79	998.9	69.8	.0000	.0000	.0001	.9983	.9992
16700.0	-.1098	-.9555	1.9	289.79	998.9	69.8	.0000	.0000	.0001	.9983	.9992
16600.0	-.1074	-.9444	1.9	289.79	998.9	69.8	.0000	.0000	.0001	.9983	.9992
16500.0	-.1051	-.9339	1.9	289.79	998.9	69.8	.0000	.0000	.0001	.9983	.9992
16400.0	-.1028	-.9233	1.9	289.79	998.9	69.8	.0000	.0000	.0001	.9983	.9992
16300.0	-.1006	-.9130	1.9	289.79	998.9	69.8	.0000	.0000	.0001	.9983	.9992
16200.0	-.0984	-.9028	1.9	289.79	998.9	69.8	.0000	.0000	.0001	.9983	.9992
16105.2	-.0963	-.8938	1.9	289.80	998.9	69.8	.0000	.0000	.0001	.9983	.9992
16000.0	-.0943	-.8830	1.9	289.80	998.9	69.8	.0000	.0000	.0001	.9983	.9992
15900.0	-.0923	-.8734	1.9	289.80	998.9	69.8	.0000	.0000	.0001	.9983	.9992
15800.0	-.0904	-.8641	1.9	289.80	998.9	69.8	.0000	.0000	.0001	.9983	.9992
15700.0	-.0885	-.8549	1.9	289.80	998.9	69.9	.0000	.0000	.0001	.9983	.9992
15600.0	-.0866	-.8459	1.9	289.80	998.9	69.9	.0000	.0000	.0001	.9983	.9992
15500.0	-.0848	-.8369	1.9	289.80	998.9	69.9	.0000	.0000	.0001	.9983	.9992
15400.0	-.0831	-.8282	1.9	289.80	998.9	69.9	.0000	.0000	.0001	.9983	.9992
15300.0	-.0813	-.8196	1.9	289.81	998.9	69.9	.0000	.0000	.0001	.9983	.9992
15200.0	-.0797	-.8112	1.9	289.81	998.9	69.9	.0000	.0000	.0001	.9983	.9992
15100.0	-.0780	-.8029	1.9	289.81	998.9	69.9	.0000	.0000	.0001	.9983	.9992
15000.0	-.0764	-.7947	1.9	289.81	998.9	69.9	.0000	.0000	.0001	.9983	.9993
14900.0	-.0749	-.7867	1.9	289.81	998.9	69.9	.0000	.0000	.0001	.9984	.9993
14800.0	-.0733	-.7788	1.9	289.81	998.9	69.9	.0000	.0000	.0001	.9984	.9993
14700.0	-.0718	-.7711	1.9	289.81	998.9	69.9	.0000	.0000	.0001	.9984	.9993
14600.0	-.0704	-.7634	1.9	289.82	998.9	69.9	.0000	.0000	.0001	.9984	.9993
14500.0	-.0690	-.7559	1.9	289.82	998.9	69.9	.0000	.0000	.0001	.9984	.9993
14400.0	-.0676	-.7485	1.9	289.82	998.9	69.9	.0000	.0000	.0001	.9984	.9993
14300.0	-.0663	-.7412	1.9	289.82	998.9	69.9	.0000	.0000	.0001	.9984	.9993
14200.0	-.0649	-.7340	1.9	289.82	998.9	69.9	.0000	.0000	.0001	.9984	.9993
14100.0	-.0636	-.7269	1.9	289.82	998.9	69.9	.0000	.0000	.0001	.9984	.9993
14000.0	-.0623	-.7199	1.9	289.82	998.9	69.9	.0000	.0000	.0001	.9984	.9993
13900.0	-.0611	-.7130	1.9	289.83	998.9	70.0	.0000	.0000	.0001	.9984	.9993
13800.0	-.0598	-.7062	1.9	289.83	998.9	70.0	.0000	.0000	.0001	.9984	.9993
13700.0	-.0586	-.6995	1.9	289.83	998.9	70.0	.0000	.0000	.0001	.9984	.9993
13600.0	-.0575	-.6929	1.9	289.83	998.9	70.0	.0000	.0000	.0001	.9984	.9993
13500.0	-.0563	-.6863	1.9	289.83	998.9	70.0	.0000	.0000	.0001	.9984	.9993
13400.0	-.0552	-.6799	1.9	289.83	998.9	70.0	.0000	.0000	.0001	.9984	.9993
13300.0	-.0541	-.6735	1.9	289.83	998.9	70.0	.0000	.0000	.0001	.9984	.9993
13200.0	-.0530	-.6672	1.9	289.83	998.9	70.0	.0000	.0000	.0001	.9984	.9993
13100.0	-.0520	-.6610	1.9	289.84	998.9	70.0	.0000	.0000	.0001	.9984	.9993
13000.0	-.0509	-.6549	1.9	289.84	998.9	70.0	.0000	.0000	.0001	.9984	.9993
12900.0	-.0499	-.6488	1.9	289.84	998.9	70.0	.0000	.0000	.0001	.9984	.9993
12800.0	-.0489	-.6428	1.9	289.84	998.9	70.0	.0000	.0000	.0001	.9984	.9993
12700.0	-.0479	-.6369	1.9	289.84	998.9	70.0	.0000	.0000	.0001	.9985	.9993
12600.0	-.0470	-.6310	1.9	289.84	998.9	70.0	.0000	.0000	.0002	.9985	.9993
12500.0	-.0461	-.6252	1.9	289.84	998.9	70.0	.0000	.0000	.0002	.9985	.9994
12400.0	-.0451	-.6195	1.9	289.84	998.9	70.0	.0000	.0000	.0002	.9985	.9994
12300.0	-.0442	-.6138	1.9	289.85	998.9	70.0	.0000	.0000	.0002	.9985	.9994
12200.0	-.0434	-.6082	1.9	289.85	998.9	70.0	.0000	.0000	.0002	.9985	.9994
12100.0	-.0425	-.6027	1.9	289.85	998.9	70.1	.0000	.0000	.0002	.9985	.9994

TABLE 2. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 290 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
12000.0	-.0416	-.5977	1.9	[illegible]	998.9	70.1	.0000	.0000	.0002	.9995	.9946
11900.0	-.0408	-.5918	1.9	[illegible]	998.9	70.1	.0000	.0000	.0002	.9995	.9946
11800.0	-.0400	-.5866	1.9	289.85	998.9	70.1	.0000	.0000	.0002	.9995	.9947
11700.0	-.0392	-.5811	1.9	289.85	998.9	70.1	.0000	.0000	.0002	.9995	.9947
11600.0	-.0384	-.5758	1.9	289.86	998.9	70.1	.0000	.0000	.0002	.9995	.9948
11500.0	-.0376	-.5706	1.9	289.86	998.9	70.1	.0000	.0000	.0002	.9995	.9948
11400.0	-.0368	-.5654	1.9	289.86	998.9	70.1	.0000	.0000	.0002	.9995	.9949
11300.0	-.0361	-.5603	1.9	289.86	998.9	70.1	.0000	.0000	.0002	.9995	.9949
11200.0	-.0354	-.5553	1.9	289.86	998.9	70.1	.0000	.0000	.0002	.9995	.9950
11100.0	-.0346	-.5502	1.9	289.86	998.9	70.1	.0000	.0000	.0002	.9995	.9950
11000.0	-.0339	-.5452	1.9	289.86	998.9	70.1	.0000	.0000	.0002	.9995	.9950
10900.0	-.0332	-.5403	1.9	289.86	998.9	70.1	.0000	.0000	.0002	.9995	.9951
10800.0	-.0325	-.5354	1.9	289.87	998.9	70.1	.0000	.0000	.0002	.9995	.9951
10700.0	-.0319	-.5305	1.9	289.87	998.9	70.1	.0000	.0000	.0002	.9995	.9952
10600.0	-.0312	-.5257	1.9	289.87	998.9	70.1	.0000	.0000	.0002	.9995	.9952
10500.0	-.0306	-.5209	1.9	289.87	998.9	70.1	.0000	.0000	.0002	.9996	.9953
10400.0	-.0299	-.5162	1.9	289.87	998.9	70.1	.0000	.0000	.0002	.9996	.9953
10300.0	-.0293	-.5115	1.9	289.87	998.9	70.1	.0000	.0000	.0002	.9996	.9954
10200.0	-.0287	-.5068	1.9	289.87	998.9	70.2	.0000	.0000	.0002	.9996	.9954
10100.0	-.0281	-.5022	1.9	289.87	998.9	70.2	.0000	.0000	.0002	.9996	.9954
10000.0	-.0275	-.4976	1.9	289.88	998.9	70.2	.0000	.0000	.0002	.9996	.9955
9900.0	-.0269	-.4930	1.9	289.88	998.9	70.2	.0000	.0000	.0002	.9996	.9955
9800.0	-.0263	-.4885	1.9	289.88	998.9	70.2	.0000	.0000	.0002	.9996	.9956
9700.0	-.0258	-.4840	1.9	289.88	998.9	70.2	.0000	.0000	.0002	.9996	.9956
9600.0	-.0252	-.4796	1.9	289.88	998.9	70.2	.0000	.0000	.0002	.9996	.9957
9500.0	-.0247	-.4751	1.9	289.88	998.9	70.2	.0000	.0000	.0002	.9996	.9957
9400.0	-.0241	-.4708	1.9	289.89	998.9	70.2	.0000	.0000	.0002	.9996	.9958
9300.0	-.0236	-.4664	1.9	289.89	998.9	70.2	.0000	.0000	.0002	.9996	.9958
9200.0	-.0231	-.4620	1.9	289.89	998.9	70.2	.0000	.0000	.0003	.9996	.9958
9100.0	-.0226	-.4577	1.9	289.89	998.9	70.2	.0000	.0000	.0002	.9996	.9959
9000.0	-.0221	-.4534	1.9	289.89	998.9	70.2	.0000	.0000	.0002	.9996	.9959
8900.0	-.0216	-.4492	1.9	289.89	998.9	70.2	.0000	.0000	.0003	.9996	.9960
8800.0	-.0211	-.4450	1.9	289.89	998.9	70.2	.0000	.0000	.0002	.9996	.9960
8700.0	-.0206	-.4408	1.9	289.89	998.9	70.2	.0000	.0000	.0003	.9996	.9961
8600.0	-.0201	-.4366	1.9	289.89	998.9	70.2	.0000	.0000	.0002	.9996	.9961
8500.0	-.0197	-.4324	1.9	289.90	998.9	70.2	.0000	.0000	.0002	.9996	.9962
8400.0	-.0192	-.4283	1.9	289.90	998.9	70.3	.0000	.0000	.0002	.9996	.9962
8300.0	-.0188	-.4242	1.9	289.90	998.9	70.3	.0000	.0000	.0003	.9996	.9962
8200.0	-.0183	-.4201	1.9	289.90	998.9	70.3	.0000	.0000	.0003	.9997	.9963
8100.0	-.0179	-.4160	1.9	289.90	998.9	70.3	.0000	.0000	.0002	.9997	.9963
8000.0	-.0175	-.4120	1.9	289.90	998.9	70.3	.0000	.0000	.0002	.9997	.9964
7900.0	-.0170	-.4079	1.9	289.90	998.9	70.3	.0000	.0000	.0003	.9997	.9964
7800.0	-.0166	-.4039	1.9	289.90	998.9	70.3	.0000	.0000	.0003	.9997	.9965
7700.0	-.0162	-.4000	1.9	289.91	998.9	70.3	.0000	.0000	.0002	.9997	.9965
7600.0	-.0158	-.3960	1.9	289.91	998.9	70.3	.0000	.0000	.0003	.9997	.9966
7500.0	-.0154	-.3920	1.9	289.91	998.9	70.3	.0000	.0000	.0003	.9997	.9966
7400.0	-.0150	-.3881	1.9	289.91	998.9	70.3	.0000	.0000	.0003	.9997	.9966
7300.0	-.0147	-.3842	1.9	289.91	998.9	70.3	.0000	.0000	.0002	.9997	.9967
7200.0	-.0143	-.3803	1.9	289.91	998.9	70.3	.0000	.0000	.0003	.9997	.9967
7100.0	-.0139	-.3764	1.9	289.91	998.9	70.3	.0000	.0000	.0003	.9997	.9968
7000.0	-.0136	-.3725	1.9	289.91	998.9	70.3	.0000	.0000	.0003	.9997	.9968
6900.0	-.0132	-.3686	1.9	289.92	998.9	70.3	.0000	.0000	.0003	.9997	.9969
6800.0	-.0129	-.3648	1.9	289.92	998.9	70.3	.0000	.0000	.0003	.9997	.9969
6700.0	-.0125	-.3610	1.9	289.92	998.9	70.3	.0000	.0000	.0003	.9997	.9970
6600.0	-.0122	-.3571	1.9	289.92	998.9	70.3	.0000	.0000	.0003	.9997	.9970
6500.0	-.0119	-.3533	1.9	289.92	998.9	70.4	.0000	.0000	.0003	.9997	.9971
6400.0	-.0115	-.3495	1.9	289.92	998.9	70.4	.0000	.0000	.0003	.9997	.9971
6300.0	-.0112	-.3457	1.9	289.92	998.9	70.4	.0000	.0000	.0003	.9997	.9971
6200.0	-.0109	-.3419	1.9	289.93	998.9	70.4	.0000	.0000	.0003	.9997	.9972
6100.0	-.0106	-.3382	1.9	289.93	998.9	70.4	.0000	.0000	.0003	.9997	.9972
6000.0	-.0103	-.3344	1.9	289.93	998.9	70.4	.0000	.0000	.0003	.9997	.9973
5900.0	-.0100	-.3306	1.9	289.93	998.9	70.4	.0000	.0000	.0003	.9998	.9973
5800.0	-.0097	-.3269	1.9	289.93	998.9	70.4	.0000	.0000	.0003	.9998	.9974
5700.0	-.0094	-.3232	1.9	289.93	998.9	70.4	.0000	.0000	.0003	.9998	.9974
5600.0	-.0091	-.3194	1.9	289.93	998.9	70.4	.0000	.0000	.0003	.9998	.9975
5500.0	-.0088	-.3157	1.9	289.93	998.9	70.4	.0000	.0000	.0003	.9998	.9975
5400.0	-.0086	-.3119	1.9	289.93	998.9	70.4	.0000	.0000	.0004	.9998	.9975
5300.0	-.0083	-.3082	1.9	289.94	998.9	70.4	.0000	.0000	.0004	.9998	.9976
5200.0	-.0080	-.3045	1.9	289.94	998.9	70.4	.0000	.0000	.0004	.9998	.9976
5100.0	-.0078	-.3007	1.9	289.94	998.9	70.4	.0000	.0000	.0004	.9998	.9977
5000.0	-.0075	-.2970	1.9	289.94	998.9	70.4	.0000	.0000	.0004	.9998	.9977
4900.0	-.0073	-.2933	1.9	289.94	998.9	70.4	.0000	.0000	.0004	.9998	.9978
4800.0	-.0070	-.2896	1.9	289.94	998.9	70.4	.0000	.0000	.0004	.9998	.9978
4700.0	-.0068	-.2859	1.9	289.94	998.9	70.4	.0000	.0000	.0004	.9998	.9979
4600.0	-.0065	-.2821	1.9	289.94	998.9	70.5	.0000	.0000	.0004	.9998	.9979
4500.0	-.0063	-.2783	1.9	289.95	998.9	70.5	.0000	.0000	.0004	.9998	.9980
4400.0	-.0061	-.2746	1.9	289.95	998.9	70.5	.0000	.0000	.0004	.9998	.9980
4300.0	-.0059	-.2708	1.9	289.95	998.9	70.5	.0000	.0000	.0004	.9998	.9980
4200.0	-.0056	-.2670	1.9	289.95	998.9	70.5	.0000	.0000	.0005	.9998	.9981
4100.0	-.0054	-.2633	1.9	289.95	998.9	70.5	.0000	.0000	.0005	.9998	.9981
4000.0	-.0052	-.2595	1.9	289.95	998.9	70.5	.0000	.0000	.0005	.9998	.9982
3900.0	-.0050	-.2557	1.9	289.95	998.9	70.5	.0000	.0000	.0005	.9998	.9983
3800.0	-.0048	-.2519	1.9	289.95	998.9	70.5	.0000	.0000	.0005	.9998	.9983
3700.0	-.0046	-.2480	1.9	289.96	998.9	70.5	.0000	.0000	.0005	.9998	.9983
3600.0	-.0044	-.2442	1.9	289.96	998.9	70.5	.0000	.0000	.0005	.9999	.9984
3500.0	-.0042	-.2403	1.9	289.96	998.9	70.5	.0000	.0000	.0005	.9999	.9984
3400.0	-.0040	-.2364	1.9	289.96	998.9	70.5	.0000	.0000	.0006	.9999	.9984
3300.0	-.0038	-.2325	1.9	289.96	998.9	70.5	.0000	.0000	.0006	.9999	.9985
3200.0	-.0037	-.2286	1.9	289.96	998.9	70.5	.0000	.0000	.0006	.9999	.9985
3100.0	-.0035	-.2247	1.9	289.96	998.9	70.5	.0000	.0000	.0006	.9999	.9985
3000.0	-.0033	-.2207	1.9	289.96	998.9	70.5	.0000	.0000	.0006	.9999	.9986
2900.0	-.0031	-.2167	1.9	289.97	998.9	70.5	.0000	.0000	.0007	.9999	.9986
2800.0	-.0030	-.2126	1.9	289.97	998.9	70.5	.0000	.0000	.0007	.9999	.9987
2700.0	-.0028	-.2085	1.9	289.97	998.9	70.5	.0000	.0000	.0007	.9999	.9987
2600.0	-.0027	-.2044	1.9	289.97	998.9	70.6	.0000	.0000	.0007	.9999	.9988
2500.0	-.0025	-.2002	1.9	289.97	998.9	70.6	.0000	.0000	.0008	.9999	.9988
2400.0	-.0024	-.1960	1.9	289.97	998.9	70.6	.0000	.0000	.0008	.9999	.9989
2300.0	-.0022	-.1917	1.9	289.97	998.9	70.6	.0000	.0000	.0008	.9999	.9989
2200.0	-.0021	-.1874	1.9	289.97	998.9	70.6	.0000	.0000	.0009	.9999	.9990
2100.0	-.0019	-.1829	1.9	289.97	998.9	70.6	.0000	.0000	.0009	.9999	.9990

TABLE 2. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 290 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
2000.0	-.0018	-.1785	1.9	289.98	998.9	70.6	.0000	.0000	.0010	.9999	.9991
1900.0	-.0017	-.1739	1.9	289.98	998.9	70.6	.0000	.0000	.0010	.9999	.9991
1800.0	-.0015	-.1693	1.9	289.98	998.9	70.6	.0000	.0000	.0011	.9999	.9992
1700.0	-.0014	-.1645	1.9	289.98	998.9	70.6	.0000	.0000	.0011	.9999	.9992
1600.0	-.0013	-.1597	1.9	289.98	998.9	70.6	.0000	.0000	.0012	.9999	.9993
1500.0	-.0012	-.1547	1.9	289.98	998.9	70.6	.0000	.0000	.0013	.9999	.9993
1400.0	-.0011	-.1496	1.9	289.98	998.9	70.6	.0000	.0000	.0014	.9999	.9994
1300.0	-.0010	-.1443	1.9	289.98	998.9	70.6	.0000	.0000	.0015	.9999	.9994
1200.0	-.0009	-.1389	1.9	289.99	998.9	70.6	.0000	.0000	.0016	1.0000	.9995
1100.0	-.0008	-.1332	1.9	289.99	998.9	70.6	.0000	.0000	.0017	1.0000	.9995
1000.0	-.0007	-.1274	1.9	289.99	998.9	70.6	.0000	.0000	.0019	1.0000	.9995
900.0	-.0006	-.1212	1.9	289.99	998.9	70.6	.0000	.0000	.0021	1.0000	.9996
800.0	-.0005	-.1147	1.9	289.99	998.9	70.6	.0000	.0000	.0024	1.0000	.9996
700.0	-.0004	-.1077	1.9	289.99	998.9	70.6	.0000	.0000	.0027	1.0000	.9997
600.0	-.0003	-.1003	1.9	289.99	998.9	70.7	.0000	.0000	.0032	1.0000	.9997
500.0	-.0002	-.0921	1.9	289.99	998.9	70.7	.0000	.0000	.0038	1.0000	.9998
400.0	-.0001	-.0830	1.9	290.00	998.9	70.7	.0000	.0000	.0048	1.0000	.9998
300.0	-.0001	-.0726	1.9	290.00	998.9	70.7	.0000	.0000	.0064	1.0000	.9999
200.0	-.0001	-.0598	1.9	290.00	998.9	70.7	.0000	.0000	.0096	1.0000	.9999
100.0	-.0000	-.0423	1.9	290.00	998.9	70.7	.0000	.0000	.0192	1.0000	1.0000

TABLE 2.4 SUBCOOLED CRITICAL STATE PROPERTIES

(TO 300 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	Y*	A*	PR	TR	RR
22120.0	*******	********	3.4	299.55	996.7	110.6	.0000	.0000	.0002	.9985	.9983
22100.0	-4.3130	-14.6423	3.4	299.55	996.7	110.6	.0000	.0000	.0002	.9985	.9983
22000.0	-1.5879	-5.9562	3.4	299.55	996.7	110.6	.0000	.0000	.0002	.9985	.9986
21900.0	-1.1292	-4.4817	3.4	299.55	996.7	110.6	.0000	.0000	.0002	.9985	.9986
21800.0	-.8126	-3.7786	3.4	299.55	996.7	110.6	.0000	.0000	.0002	.9985	.9987
21700.0	-.7802	-3.3448	3.4	299.56	996.7	110.6	.0000	.0000	.0002	.9985	.9987
21600.0	-.6884	-3.0419	3.4	299.56	996.7	110.7	.0000	.0000	.0002	.9985	.9987
21500.0	-.6198	-2.8133	3.4	299.56	996.7	110.7	.0000	.0000	.0002	.9985	.9988
21400.0	-.5666	-2.6339	3.4	299.56	996.7	110.7	.0000	.0000	.0002	.9985	.9988
21300.0	-.5223	-2.4852	3.4	299.56	996.7	110.7	.0000	.0000	.0002	.9985	.9989
21200.0	-.4858	-2.3611	3.4	299.57	996.7	110.7	.0000	.0000	.0002	.9986	.9989
21100.0	-.4548	-2.2545	3.4	299.57	996.7	110.7	.0000	.0000	.0002	.9986	.9990
21000.0	-.4278	-2.1616	3.4	299.57	996.7	110.7	.0000	.0000	.0002	.9986	.9990
20900.0	-.4042	-2.0796	3.4	299.57	996.7	110.7	.0000	.0000	.0002	.9986	.9990
20800.0	-.3832	-2.0062	3.4	299.57	996.7	110.7	.0000	.0000	.0002	.9986	.9991
20700.0	-.3645	-1.9400	3.4	299.58	996.7	110.7	.0000	.0000	.0002	.9986	.9991
20600.0	-.3475	-1.8798	3.4	299.58	996.7	110.7	.0000	.0000	.0002	.9986	.9992
20500.0	-.3321	-1.8247	3.4	299.58	996.7	110.7	.0000	.0000	.0002	.9986	.9992
20400.0	-.3180	-1.7740	3.4	299.58	996.7	110.8	.0000	.0000	.0002	.9986	.9992
20300.0	-.3050	-1.7269	3.4	299.59	996.7	110.8	.0000	.0000	.0002	.9986	.9993
20200.0	-.2930	-1.6832	3.4	299.59	996.7	110.8	.0000	.0000	.0002	.9986	.9993
20100.0	-.2819	-1.6423	3.4	299.59	996.7	110.8	.0000	.0000	.0002	.9986	.9994
20000.0	-.2715	-1.6040	3.4	299.59	996.7	110.8	.0000	.0000	.0002	.9986	.9994
19900.0	-.2618	-1.5679	3.4	299.59	996.7	110.8	.0000	.0000	.0002	.9986	.9995
19800.0	-.2527	-1.5338	3.4	299.60	996.7	110.8	.0000	.0000	.0002	.9987	.9995
19700.0	-.2442	-1.5015	3.4	299.60	996.7	110.8	.0000	.0000	.0002	.9987	.9995
19600.0	-.2361	-1.4709	3.5	299.60	996.7	110.8	.0000	.0000	.0002	.9987	.9996
19500.0	-.2285	-1.4418	3.5	299.60	996.7	110.8	.0000	.0000	.0002	.9987	.9996
19400.0	-.2213	-1.4141	3.5	299.60	996.7	110.8	.0000	.0000	.0002	.9987	.9997
19300.0	-.2145	-1.3876	3.5	299.61	996.7	110.9	.0000	.0000	.0002	.9987	.9997
19200.0	-.2080	-1.3623	3.5	299.61	996.7	110.9	.0000	.0000	.0002	.9987	.9997
19100.0	-.2018	-1.3380	3.5	299.61	996.7	110.9	.0000	.0000	.0002	.9987	.9998
19000.0	-.1959	-1.3148	3.5	299.61	996.7	110.9	.0000	.0000	.0002	.9987	.9998
18900.0	-.1903	-1.2926	3.5	299.61	996.7	110.9	.0000	.0000	.0002	.9987	.9999
18800.0	-.1849	-1.2709	3.5	299.62	996.7	110.9	.0000	.0000	.0002	.9987	.9999
18700.0	-.1798	-1.2502	3.5	299.62	996.7	110.9	.0000	.0000	.0002	.9987	.9999
18600.0	-.1749	-1.2303	3.5	299.62	996.7	110.9	.0000	.0000	.0002	.9987	.9999
18500.0	-.1702	-1.2110	3.5	299.62	996.7	110.9	.0000	.0000	.0002	.9987	.9999
18400.0	-.1657	-1.1924	3.5	299.63	996.7	110.9	.0000	.0000	.0002	.9988	.9999
18300.0	-.1613	-1.1745	3.5	299.63	996.7	110.9	.0000	.0000	.0002	.9988	.9999
18200.0	-.1571	-1.1571	3.5	299.63	996.7	110.9	.0000	.0000	.0002	.9988	.9999
18100.0	-.1531	-1.1403	3.5	299.63	996.7	111.0	.0000	.0000	.0002	.9988	.9999
18000.0	-.1492	-1.1240	3.5	299.63	996.7	111.0	.0000	.0000	.0002	.9988	.9999
17900.0	-.1454	-1.1082	3.5	299.64	996.7	111.0	.0000	.0000	.0002	.9988	.9999
17800.0	-.1419	-1.0929	3.5	299.64	996.7	111.0	.0000	.0000	.0002	.9988	.9999
17700.0	-.1384	-1.0780	3.5	299.64	996.7	111.0	.0000	.0000	.0002	.9988	.9999
17600.0	-.1351	-1.0636	3.5	299.64	996.7	111.0	.0000	.0000	.0002	.9988	.9999
17500.0	-.1318	-1.0496	3.5	299.64	996.7	111.0	.0000	.0000	.0002	.9988	.9999
17400.0	-.1287	-1.0359	3.5	299.65	996.7	111.0	.0000	.0000	.0002	.9988	.9999
17300.0	-.1257	-1.0227	3.5	299.65	996.7	111.0	.0000	.0000	.0002	.9988	.9999
17200.0	-.1228	-1.0098	3.5	299.65	996.7	111.0	.0000	.0000	.0002	.9988	.9999
17100.0	-.1199	-.9972	3.5	299.65	996.7	111.0	.0000	.0000	.0002	.9988	.9999
17000.0	-.1172	-.9850	3.5	299.65	996.7	111.1	.0000	.0000	.0002	.9988	.9999
16900.0	-.1145	-.9731	3.5	299.66	996.7	111.1	.0000	.0000	.0002	.9989	.9999
16800.0	-.1120	-.9615	3.5	299.66	996.7	111.1	.0000	.0000	.0002	.9989	.9999
16700.0	-.1095	-.9501	3.5	299.66	996.7	111.1	.0000	.0000	.0002	.9989	.9999
16600.0	-.1070	-.9391	3.5	299.66	996.7	111.1	.0000	.0000	.0002	.9989	.9999
16500.0	-.1047	-.9284	3.5	299.66	996.7	111.1	.0000	.0000	.0002	.9989	.9999
16400.0	-.1025	-.9180	3.5	299.67	996.7	111.1	.0000	.0000	.0002	.9989	.9999
16300.0	-.1003	-.9077	3.5	299.67	996.7	111.1	.0000	.0000	.0002	.9989	.9999
16200.0	-.0981	-.8975	3.5	299.67	996.7	111.1	.0000	.0000	.0002	.9989	.9999
16100.0	-.0960	-.8876	3.5	299.67	996.7	111.1	.0000	.0000	.0002	.9989	.9999
16000.0	-.0940	-.8779	3.5	299.68	996.7	111.1	.0000	.0000	.0002	.9989	.9999
15900.0	-.0920	-.8683	3.5	299.68	996.7	111.1	.0000	.0000	.0002	.9989	.9999
15800.0	-.0900	-.8590	3.5	299.68	996.7	111.2	.0000	.0000	.0002	.9989	.9999
15700.0	-.0882	-.8498	3.5	299.68	996.7	111.2	.0000	.0000	.0002	.9989	.9999
15600.0	-.0863	-.8408	3.5	299.69	996.7	111.2	.0000	.0000	.0002	.9989	.9999
15500.0	-.0845	-.8319	3.5	299.69	996.7	111.2	.0000	.0000	.0002	.9990	.9999
15400.0	-.0828	-.8232	3.5	299.69	996.7	111.2	.0000	.0000	.0002	.9990	.9999
15300.0	-.0810	-.8147	3.5	299.69	996.7	111.2	.0000	.0000	.0002	.9990	.9999
15200.0	-.0794	-.8063	3.5	299.69	996.7	111.2	.0000	.0000	.0002	.9990	.9999
15100.0	-.0777	-.7980	3.5	299.69	996.7	111.2	.0000	.0000	.0002	.9990	.9999
15000.0	-.0761	-.7899	3.5	299.70	996.7	111.2	.0000	.0000	.0002	.9990	.9999
14900.0	-.0746	-.7819	3.5	299.70	996.7	111.2	.0000	.0000	.0002	.9990	.9999
14800.0	-.0731	-.7740	3.5	299.70	996.7	111.2	.0000	.0000	.0002	.9990	.9999
14700.0	-.0716	-.7663	3.5	299.70	996.7	111.3	.0000	.0000	.0002	.9990	.9999
14600.0	-.0701	-.7587	3.5	299.70	996.7	111.3	.0000	.0000	.0002	.9990	.9999
14500.0	-.0687	-.7512	3.5	299.71	996.7	111.3	.0000	.0000	.0002	.9990	.9999
14400.0	-.0673	-.7438	3.5	299.71	996.7	111.3	.0000	.0000	.0002	.9990	.9999
14300.0	-.0660	-.7365	3.5	299.71	996.7	111.3	.0000	.0000	.0002	.9990	.9999
14200.0	-.0646	-.7294	3.5	299.71	996.7	111.3	.0000	.0000	.0002	.9990	.9999
14100.0	-.0633	-.7223	3.5	299.71	996.7	111.3	.0000	.0000	.0002	.9990	.9999
14000.0	-.0621	-.7153	3.5	299.72	996.7	111.3	.0000	.0000	.0002	.9991	.9999
13900.0	-.0608	-.7085	3.5	299.72	996.7	111.3	.0000	.0000	.0002	.9991	.9999
13800.0	-.0596	-.7017	3.5	299.72	996.7	111.3	.0000	.0000	.0003	.9991	.9999
13700.0	-.0584	-.6950	3.5	299.72	996.7	111.3	.0000	.0000	.0003	.9991	.9999
13600.0	-.0572	-.6884	3.5	299.72	996.7	111.3	.0000	.0000	.0003	.9991	.9999
13500.0	-.0561	-.6819	3.5	299.73	996.7	111.4	.0000	.0000	.0003	.9991	.9999
13400.0	-.0550	-.6755	3.5	299.73	996.7	111.4	.0000	.0000	.0003	.9991	.9999
13300.0	-.0539	-.6691	3.5	299.73	996.7	111.4	.0000	.0000	.0003	.9991	.9999
13200.0	-.0528	-.6628	3.5	299.73	996.7	111.4	.0000	.0000	.0003	.9991	.9999
13100.0	-.0517	-.6567	3.5	299.73	996.7	111.4	.0000	.0000	.0003	.9991	.9999
13000.0	-.0507	-.6505	3.5	299.74	996.7	111.4	.0000	.0000	.0003	.9991	.9999
12900.0	-.0497	-.6445	3.5	299.74	996.7	111.4	.0000	.0000	.0003	.9991	.9999
12800.0	-.0487	-.6385	3.5	299.74	996.7	111.4	.0000	.0000	.0003	.9991	.9999
12700.0	-.0477	-.6326	3.5	299.74	996.7	111.4	.0000	.0000	.0003	.9991	.9999
12600.0	-.0468	-.6268	3.5	299.75	996.7	111.4	.0000	.0000	.0003	.9992	.9999
12500.0	-.0459	-.6210	3.5	299.75	996.7	111.4	.0000	.0000	.0003	.9992	.9999
12400.0	-.0449	-.6153	3.5	299.75	996.7	111.5	.0000	.0000	.0003	.9992	.9999
12300.0	-.0440	-.6097	3.5	299.75	996.7	111.5	.0000	.0000	.0003	.9992	.9999
12200.0	-.0432	-.6041	3.5	299.75	996.7	111.5	.0000	.0000	.0003	.9992	.9999
12100.0	-.0423	-.5985	3.5	299.76	996.7	111.5	.0000	.0000	.0003	.9992	.9999

(TO 300 K)

PO KPA	XO	AO	PP KPA	TP K	RP KG/M3	HP KJ/KG	YP	AP	PR	TR	RR
12000.0	-.0414	-.5931	3.5	299.76	996.7	111.5	.0000	.0000	.0003	.9992	.9948
11900.0	-.0406	-.5877	3.5	299.76	996.7	111.5	.0000	.0000	.0003	.9993	.9948
11800.0	-.0398	-.5823	3.5	299.76	996.7	111.5	.0000	.0000	.0003	.9992	.9949
11700.0	-.0390	-.5770	3.5	299.76	996.7	111.5	.0000	.0000	.0003	.9992	.9949
11600.0	-.0382	-.5718	3.5	299.77	996.7	111.5	.0000	.0000	.0003	.9992	.9950
11500.0	-.0374	-.5666	3.5	299.77	996.7	111.5	.0000	.0000	.0003	.9992	.9950
11400.0	-.0367	-.5614	3.5	299.77	996.7	111.5	.0000	.0000	.0003	.9992	.9950
11300.0	-.0359	-.5563	3.5	299.77	996.7	111.5	.0000	.0000	.0003	.9992	.9951
11200.0	-.0352	-.5512	3.5	299.77	996.7	111.5	.0000	.0000	.0003	.9992	.9951
11100.0	-.0345	-.5462	3.5	299.78	996.7	111.5	.0000	.0000	.0003	.9993	.9952
11000.0	-.0338	-.5413	3.5	299.78	996.7	111.6	.0000	.0000	.0003	.9993	.9952
10900.0	-.0331	-.5363	3.5	299.78	996.7	111.6	.0000	.0000	.0003	.9993	.9953
10800.0	-.0324	-.5315	3.5	299.78	996.7	111.6	.0000	.0000	.0003	.9993	.9953
10700.0	-.0317	-.5266	3.5	299.78	996.7	111.6	.0000	.0000	.0003	.9993	.9953
10600.0	-.0311	-.5218	3.5	299.79	996.7	111.6	.0000	.0000	.0003	.9993	.9954
10500.0	-.0304	-.5171	3.5	299.79	996.7	111.6	.0000	.0000	.0003	.9993	.9954
10400.0	-.0298	-.5123	3.5	299.79	996.7	111.6	.0000	.0000	.0003	.9993	.9955
10300.0	-.0292	-.5077	3.5	299.79	996.7	111.6	.0000	.0000	.0003	.9993	.9955
10200.0	-.0285	-.5030	3.5	299.79	996.7	111.6	.0000	.0000	.0003	.9993	.9956
10150.0	-.0279	-.4984	3.5	299.80	996.7	111.6	.0000	.0000	.0003	.9993	.9956
10000.0	-.0273	-.4938	3.5	299.80	996.7	111.7	.0000	.0000	.0003	.9993	.9956
9900.0	-.0268	-.4893	3.5	299.80	996.7	111.7	.0000	.0000	.0004	.9993	.9957
9800.0	-.0262	-.4848	3.5	299.80	996.7	111.7	.0000	.0000	.0004	.9993	.9957
9700.0	-.0256	-.4803	3.5	299.80	996.7	111.7	.0000	.0000	.0004	.9993	.9958
9600.0	-.0251	-.4759	3.5	299.81	996.7	111.7	.0000	.0000	.0004	.9994	.9958
9500.0	-.0245	-.4715	3.5	299.81	996.7	111.7	.0000	.0000	.0004	.9994	.9959
9400.0	-.0240	-.4671	3.5	299.81	996.7	111.7	.0000	.0000	.0004	.9994	.9959
9300.0	-.0235	-.4627	3.5	299.81	996.7	111.7	.0000	.0000	.0004	.9994	.9959
9200.0	-.0229	-.4584	3.5	299.81	996.7	111.7	.0000	.0000	.0004	.9994	.9960
9100.0	-.0224	-.4541	3.5	299.82	996.7	111.7	.0000	.0000	.0004	.9994	.9960
9000.0	-.0219	-.4498	3.5	299.82	996.7	111.7	.0000	.0000	.0004	.9994	.9961
8900.0	-.0214	-.4456	3.5	299.82	996.7	111.8	.0000	.0000	.0004	.9994	.9961
8800.0	-.0210	-.4414	3.5	299.82	996.7	111.8	.0000	.0000	.0004	.9994	.9962
8700.0	-.0205	-.4372	3.5	299.83	996.7	111.8	.0000	.0000	.0004	.9994	.9962
8600.0	-.0200	-.4330	3.5	299.83	996.7	111.8	.0000	.0000	.0004	.9994	.9963
8500.0	-.0196	-.4289	3.5	299.83	996.7	111.8	.0000	.0000	.0004	.9994	.9963
8400.0	-.0191	-.4248	3.5	299.83	996.7	111.8	.0000	.0000	.0004	.9994	.9964
8300.0	-.0187	-.4207	3.5	299.83	996.7	111.8	.0000	.0000	.0004	.9994	.9964
8200.0	-.0182	-.4166	3.5	299.84	996.7	111.8	.0000	.0000	.0004	.9995	.9964
8100.0	-.0178	-.4125	3.5	299.84	996.7	111.8	.0000	.0000	.0004	.9995	.9965
8000.0	-.0174	-.4085	3.5	299.84	996.7	111.8	.0000	.0000	.0004	.9995	.9965
7900.0	-.0169	-.4045	3.5	299.84	996.7	111.8	.0000	.0000	.0004	.9995	.9965
7800.0	-.0165	-.4005	3.5	299.84	996.7	111.8	.0000	.0000	.0004	.9995	.9966
7700.0	-.0161	-.3965	3.5	299.85	996.7	111.9	.0000	.0000	.0005	.9995	.9966
7600.0	-.0157	-.3926	3.5	299.85	996.7	111.9	.0000	.0000	.0005	.9995	.9967
7500.0	-.0153	-.3886	3.5	299.85	996.7	111.9	.0000	.0000	.0005	.9995	.9967
7400.0	-.0150	-.3847	3.5	299.85	996.7	111.9	.0000	.0000	.0005	.9995	.9968
7300.0	-.0146	-.3808	3.5	299.85	996.7	111.9	.0000	.0000	.0005	.9995	.9968
7200.0	-.0142	-.3769	3.5	299.86	996.7	111.9	.0000	.0000	.0005	.9995	.9968
7130.0	-.0138	-.3730	3.5	299.86	996.7	111.9	.0000	.0000	.0005	.9995	.9969
7000.0	-.0135	-.3692	3.5	299.86	996.7	111.9	.0000	.0000	.0005	.9995	.9969
6900.0	-.0131	-.3653	3.5	299.86	996.7	111.9	.0000	.0000	.0005	.9995	.9970
6800.0	-.0128	-.3615	3.5	299.86	996.7	111.9	.0000	.0000	.0005	.9995	.9970
6730.0	-.0124	-.3577	3.5	299.87	996.7	111.9	.0000	.0000	.0005	.9996	.9971
6600.0	-.0121	-.3539	3.5	299.87	996.7	111.9	.0000	.0000	.0005	.9996	.9971
6500.0	-.0118	-.3501	3.5	299.87	996.7	112.0	.0000	.0000	.0005	.9996	.9972
6400.0	-.0115	-.3463	3.5	299.87	996.7	112.0	.0000	.0000	.0006	.9996	.9972
6300.0	-.0111	-.3425	3.5	299.87	996.7	112.0	.0000	.0000	.0006	.9996	.9972
6200.0	-.0108	-.3387	3.5	299.88	996.7	112.0	.0000	.0000	.0006	.9996	.9973
6100.0	-.0105	-.3350	3.5	299.88	996.7	112.0	.0000	.0000	.0006	.9996	.9973
6000.0	-.0102	-.3312	3.5	299.88	996.7	112.0	.0000	.0000	.0006	.9996	.9974
5900.0	-.0099	-.3275	3.5	299.88	996.7	112.0	.0000	.0000	.0006	.9996	.9974
5800.0	-.0096	-.3237	3.5	299.88	996.7	112.0	.0000	.0000	.0006	.9996	.9975
5730.0	-.0093	-.3200	3.5	299.89	996.7	112.0	.0000	.0000	.0006	.9996	.9975
5600.0	-.0091	-.3162	3.5	299.89	996.7	112.0	.0000	.0000	.0006	.9996	.9975
5500.0	-.0088	-.3125	3.5	299.89	996.7	112.0	.0000	.0000	.0006	.9996	.9976
5400.0	-.0085	-.3088	3.5	299.89	996.7	112.0	.0000	.0000	.0006	.9996	.9976
5300.0	-.0082	-.3051	3.5	299.89	996.7	112.1	.0000	.0000	.0007	.9996	.9977
5230.0	-.0080	-.3014	3.5	299.90	996.7	112.1	.0000	.0000	.0007	.9997	.9977
5100.0	-.0077	-.2975	3.5	299.90	996.7	112.1	.0000	.0000	.0007	.9997	.9978
5000.0	-.0075	-.2939	3.5	299.90	996.6	112.1	.0000	.0000	.0007	.9997	.9978
4900.0	-.0072	-.2902	3.5	299.90	996.6	112.1	.0000	.0000	.0007	.9997	.9978
4800.0	-.0070	-.2865	3.5	299.90	996.6	112.1	.0000	.0000	.0007	.9997	.9979
4700.0	-.0067	-.2828	3.5	299.91	996.6	112.1	.0000	.0000	.0007	.9997	.9979
4600.0	-.0065	-.2790	3.5	299.91	996.6	112.1	.0000	.0000	.0008	.9997	.9980
4500.0	-.0063	-.2753	3.5	299.91	996.6	112.1	.0000	.0000	.0008	.9997	.9980
4400.0	-.0060	-.2716	3.5	299.91	996.6	112.1	.0000	.0000	.0008	.9997	.9981
4300.0	-.0058	-.2679	3.5	299.91	996.6	112.1	.0000	.0000	.0008	.9997	.9981
4200.0	-.0056	-.2641	3.5	299.92	996.6	112.1	.0000	.0000	.0008	.9997	.9982
4100.0	-.0054	-.2603	3.5	299.92	996.6	112.2	.0000	.0000	.0009	.9997	.9982
4000.0	-.0052	-.2565	3.5	299.92	996.6	112.2	.0000	.0000	.0009	.9997	.9982
3900.0	-.0050	-.2527	3.5	299.92	996.6	112.2	.0000	.0000	.0009	.9997	.9983
3800.0	-.0048	-.2489	3.5	299.92	996.6	112.2	.0000	.0000	.0009	.9997	.9983
3700.0	-.0046	-.2451	3.5	299.93	996.6	112.2	.0000	.0000	.0010	.9998	.9984
3600.0	-.0044	-.2413	3.5	299.93	996.6	112.2	.0000	.0000	.0010	.9998	.9984
3500.0	-.0042	-.2374	3.5	299.93	996.6	112.2	.0000	.0000	.0010	.9998	.9985
3400.0	-.0040	-.2335	3.5	299.93	996.6	112.2	.0000	.0000	.0010	.9998	.9985
3300.0	-.0038	-.2297	3.5	299.93	996.6	112.2	.0000	.0000	.0011	.9998	.9985
3200.0	-.0036	-.2258	3.5	299.94	996.6	112.2	.0000	.0000	.0011	.9998	.9986
3130.0	-.0034	-.2219	3.5	299.94	996.6	112.2	.0000	.0000	.0011	.9998	.9986
3000.0	-.0033	-.2178	3.5	299.94	996.6	112.2	.0000	.0000	.0012	.9998	.9987
2900.0	-.0031	-.2138	3.5	299.94	996.6	112.3	.0000	.0000	.0012	.9998	.9987
2800.0	-.0029	-.2098	3.5	299.94	996.6	112.3	.0000	.0000	.0013	.9998	.9988
2730.0	-.0028	-.2057	3.5	299.95	996.6	112.3	.0000	.0000	.0013	.9998	.9988
2600.0	-.0026	-.2016	3.5	299.95	996.6	112.3	.0000	.0000	.0014	.9998	.9989
2500.0	-.0025	-.1974	3.5	299.95	996.6	112.3	.0000	.0000	.0014	.9998	.9989
2400.0	-.0023	-.1932	3.5	299.95	996.6	112.3	.0000	.0000	.0015	.9998	.9990
2300.0	-.0022	-.1889	3.5	299.95	996.6	112.3	.0000	.0000	.0016	.9999	.9990
2200.0	-.0020	-.1846	3.5	299.96	996.6	112.3	.0000	.0000	.0017	.9999	.9991
2100.0	-.0019	-.1802									

TABLE 4. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 300 K)

P0 KPA	X0	A0	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
2000.0	-.0018	-.1758	3.5	299.96	996.6	112.3	.0000	.0000	.0018	.9999	.9981
1900.0	-.0016	-.1712	3.5	299.96	996.6	112.3	.0000	.0000	.0019	.9999	.9982
1800.0	-.0015	-.1666	3.5	299.96	996.6	112.3	.0000	.0000	.0020	.9999	.9982
1700.0	-.0014	-.1619	3.5	299.97	996.6	112.4	.0000	.0000	.0021	.9999	.9983
1600.0	-.0013	-.1570	3.5	299.97	996.6	112.4	.0000	.0000	.0022	.9999	.9983
1500.0	-.0012	-.1521	3.5	299.97	996.6	112.4	.0000	.0000	.0024	.9999	.9983
1400.0	-.0010	-.1470	3.5	299.97	996.6	112.4	.0000	.0000	.0025	.9999	.9984
1300.0	-.0009	-.1417	3.5	299.97	996.6	112.4	.0000	.0000	.0027	.9999	.9984
1200.0	-.0008	-.1363	3.5	299.98	996.6	112.4	.0000	.0000	.0029	.9999	.9985
1100.0	-.0007	-.1307	3.5	299.98	996.6	112.4	.0000	.0000	.0032	.9999	.9985
1000.0	-.0006	-.1248	3.5	299.98	996.6	112.4	.0000	.0000	.0035	.9999	.9986
900.0	-.0005	-.1186	3.5	299.98	996.6	112.4	.0000	.0000	.0039	.9999	.9986
800.0	-.0005	-.1121	3.5	299.98	996.6	112.4	.0000	.0000	.0044	.9999	.9986
700.0	-.0004	-.1052	3.5	299.99	996.6	112.4	.0000	.0000	.0050	1.0000	.9987
600.0	-.0003	-.0978	3.5	299.99	996.6	112.4	.0000	.0000	.0059	1.0000	.9987
500.0	-.0002	-.0897	3.5	299.99	996.6	112.5	.0000	.0000	.0071	1.0000	.9988
400.0	-.0002	-.0806	3.5	299.99	996.6	112.5	.0000	.0000	.0088	1.0000	.9988
300.0	-.0001	-.0701	3.5	299.99	996.6	112.5	.0000	.0000	.0118	1.0000	.9989
200.0	-.0001	-.0574	3.5	300.00	996.6	112.5	.0000	.0000	.0177	1.0000	.9989
100.0	-.0000	-.0400	3.5	300.00	996.6	112.5	.0000	.0000	.0353	1.0000	1.0000

TABLE . SUBCOOLED CRITICAL STATE PROPERTIES

(TO 310 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	P*	T*	R*
22120.0	********	********	6.0	309.40	993.6	151.8	.0000	.0000	.0003	.9981	.9908
22100.0	-4.3056	-14.5683	6.0	309.40	993.6	151.8	.0000	.0000	.0003	.9981	.9908
22000.0	-1.5847	-5.9245	6.0	309.40	993.6	151.8	.0000	.0000	.0003	.9981	.9908
21900.0	-1.1268	-4.4473	6.0	309.40	993.6	151.8	.0000	.0000	.0003	.9981	.9908
21800.0	-.9106	-3.7576	6.0	309.41	993.6	151.8	.0000	.0000	.0003	.9981	.9909
21700.0	-.7784	-3.3259	6.0	309.41	993.6	151.8	.0000	.0000	.0003	.9981	.9910
21600.0	-.6867	-3.0241	6.0	309.41	993.6	151.8	.0000	.0000	.0003	.9981	.9910
21500.0	-.6183	-2.7970	6.0	309.41	993.6	151.8	.0000	.0000	.0003	.9981	.9910
21400.0	-.5646	-2.6175	6.0	309.42	993.6	151.8	.0000	.0000	.0003	.9981	.9910
21300.0	-.5210	-2.4705	6.0	309.42	993.6	151.8	.0000	.0000	.0003	.9981	.9911
21200.0	-.4845	-2.3470	6.0	309.43	993.6	151.9	.0000	.0000	.0003	.9981	.9911
21100.0	-.4535	-2.2410	6.0	309.43	993.6	151.9	.0000	.0000	.0003	.9981	.9912
21000.0	-.4267	-2.1485	6.0	309.43	993.6	151.9	.0000	.0000	.0003	.9982	.9912
20900.0	-.4031	-2.0668	6.0	309.43	993.6	151.9	.0000	.0000	.0003	.9982	.9913
20800.0	-.3822	-1.9938	6.0	309.43	993.6	151.9	.0000	.0000	.0003	.9982	.9913
20700.0	-.3634	-1.9280	6.0	309.44	993.6	151.9	.0000	.0000	.0003	.9982	.9913
20600.0	-.3465	-1.8681	6.0	309.44	993.6	151.9	.0000	.0000	.0003	.9982	.9914
20500.0	-.3311	-1.8133	6.0	309.44	993.6	152.0	.0000	.0000	.0003	.9982	.9914
20400.0	-.3170	-1.7627	6.0	309.44	993.6	152.0	.0000	.0000	.0003	.9982	.9914
20300.0	-.3040	-1.7159	6.0	309.45	993.6	152.0	.0000	.0000	.0003	.9982	.9915
20200.0	-.2921	-1.6724	6.0	309.45	993.6	152.0	.0000	.0000	.0003	.9982	.9915
20100.0	-.2810	-1.6317	6.0	309.45	993.6	152.0	.0000	.0000	.0003	.9982	.9916
20000.0	-.2706	-1.5935	6.0	309.46	993.6	152.0	.0000	.0000	.0003	.9982	.9916
19900.0	-.2609	-1.5576	6.0	309.46	993.6	152.0	.0000	.0000	.0003	.9983	.9917
19800.0	-.2519	-1.5237	6.0	309.46	993.6	152.0	.0000	.0000	.0003	.9983	.9917
19700.0	-.2434	-1.4916	6.0	309.46	993.6	152.0	.0000	.0000	.0003	.9983	.9917
19600.0	-.2353	-1.4612	6.0	309.47	993.6	152.1	.0000	.0000	.0003	.9983	.9918
19500.0	-.2277	-1.4322	6.0	309.47	993.6	152.1	.0000	.0000	.0003	.9983	.9918
19400.0	-.2205	-1.4046	6.0	309.47	993.6	152.1	.0000	.0000	.0003	.9983	.9919
19300.0	-.2137	-1.3783	6.0	309.47	993.6	152.1	.0000	.0000	.0003	.9983	.9919
19200.0	-.2073	-1.3530	6.0	309.48	993.6	152.1	.0000	.0000	.0003	.9983	.9919
19100.0	-.2011	-1.3289	6.0	309.48	993.6	152.1	.0000	.0000	.0003	.9983	.9920
19000.0	-.1952	-1.3057	6.0	309.48	993.6	152.1	.0000	.0000	.0003	.9983	.9920
18900.0	-.1896	-1.2835	6.1	309.49	993.6	152.2	.0000	.0000	.0003	.9983	.9921
18800.0	-.1843	-1.2621	6.1	309.49	993.6	152.2	.0000	.0000	.0003	.9983	.9921
18700.0	-.1792	-1.2418	6.1	309.49	993.6	152.2	.0000	.0000	.0003	.9984	.9922
18600.0	-.1742	-1.2216	6.1	309.49	993.6	152.2	.0000	.0000	.0003	.9984	.9922
18500.0	-.1695	-1.2025	6.1	309.50	993.6	152.2	.0000	.0000	.0003	.9984	.9922
18400.0	-.1650	-1.1840	6.1	309.50	993.6	152.2	.0000	.0000	.0003	.9984	.9923
18300.0	-.1607	-1.1661	6.1	309.50	993.6	152.2	.0000	.0000	.0003	.9984	.9923
18200.0	-.1565	-1.1488	6.1	309.50	993.6	152.2	.0000	.0000	.0003	.9984	.9923
18100.0	-.1525	-1.1321	6.1	309.51	993.6	152.2	.0000	.0000	.0003	.9984	.9924
18000.0	-.1487	-1.1159	6.1	309.51	993.6	152.2	.0000	.0000	.0003	.9984	.9924
17900.0	-.1449	-1.1002	6.1	309.51	993.6	152.3	.0000	.0000	.0003	.9984	.9925
17800.0	-.1413	-1.0849	6.1	309.52	993.6	152.3	.0000	.0000	.0003	.9984	.9925
17700.0	-.1379	-1.0701	6.1	309.52	993.6	152.3	.0000	.0000	.0003	.9984	.9925
17600.0	-.1345	-1.0558	6.1	309.52	993.6	152.3	.0000	.0000	.0003	.9985	.9926
17500.0	-.1313	-1.0418	6.1	309.52	993.6	152.3	.0000	.0000	.0003	.9985	.9926
17400.0	-.1282	-1.0282	6.1	309.53	993.6	152.3	.0000	.0000	.0003	.9985	.9927
17300.0	-.1253	-1.0150	6.1	309.53	993.6	152.3	.0000	.0000	.0004	.9985	.9927
17200.0	-.1223	-1.0022	6.1	309.53	993.6	152.3	.0000	.0000	.0004	.9985	.9928
17100.0	-.1194	-.9897	6.1	309.53	993.6	152.3	.0000	.0000	.0004	.9985	.9928
17000.0	-.1167	-.9775	6.1	309.54	993.6	152.4	.0000	.0000	.0004	.9985	.9928
16900.0	-.1140	-.9657	6.1	309.54	993.6	152.4	.0000	.0000	.0004	.9985	.9929
16800.0	-.1115	-.9541	6.1	309.54	993.6	152.4	.0000	.0000	.0004	.9985	.9929
16700.0	-.1090	-.9429	6.1	309.55	993.6	152.4	.0000	.0000	.0004	.9985	.9930
16600.0	-.1066	-.9319	6.1	309.55	993.6	152.4	.0000	.0000	.0004	.9985	.9930
16500.0	-.1043	-.9214	6.1	309.55	993.6	152.4	.0000	.0000	.0004	.9986	.9930
16400.0	-.1020	-.9109	6.1	309.55	993.6	152.4	.0000	.0000	.0004	.9986	.9931
16300.0	-.0998	-.9005	6.1	309.56	993.6	152.4	.0000	.0000	.0004	.9986	.9931
16200.0	-.0977	-.8905	6.1	309.56	993.6	152.4	.0000	.0000	.0004	.9986	.9932
16100.0	-.0956	-.8806	6.1	309.56	993.6	152.5	.0000	.0000	.0004	.9986	.9932
16000.0	-.0937	-.8709	6.1	309.56	993.6	152.5	.0000	.0000	.0004	.9986	.9932
15900.0	-.0916	-.8614	6.1	309.57	993.6	152.5	.0000	.0000	.0004	.9986	.9933
15800.0	-.0896	-.8521	6.1	309.57	993.6	152.5	.0000	.0000	.0004	.9986	.9933
15700.0	-.0877	-.8430	6.1	309.57	993.6	152.5	.0000	.0000	.0004	.9986	.9934
15600.0	-.0859	-.8340	6.1	309.58	993.6	152.5	.0000	.0000	.0004	.9986	.9934
15500.0	-.0841	-.8252	6.1	309.58	993.6	152.5	.0000	.0000	.0004	.9986	.9935
15400.0	-.0824	-.8165	6.1	309.59	993.6	152.5	.0000	.0000	.0004	.9986	.9935
15300.0	-.0807	-.8080	6.1	309.58	993.6	152.5	.0000	.0000	.0004	.9987	.9935
15200.0	-.0790	-.7997	6.1	309.59	993.6	152.6	.0000	.0000	.0004	.9987	.9936
15100.0	-.0774	-.7915	6.1	309.59	993.6	152.6	.0000	.0000	.0004	.9987	.9936
15000.0	-.0758	-.7834	6.1	309.59	993.6	152.6	.0000	.0000	.0004	.9987	.9937
14900.0	-.0742	-.7754	6.1	309.59	993.6	152.6	.0000	.0000	.0004	.9987	.9937
14800.0	-.0727	-.7675	6.1	309.60	993.6	152.6	.0000	.0000	.0004	.9987	.9937
14700.0	-.0712	-.7599	6.1	309.60	993.6	152.6	.0000	.0000	.0004	.9987	.9938
14600.0	-.0698	-.7523	6.1	309.60	993.6	152.6	.0000	.0000	.0004	.9987	.9938
14500.0	-.0684	-.7449	6.1	309.61	993.6	152.6	.0000	.0000	.0004	.9987	.9939
14400.0	-.0670	-.7375	6.1	309.61	993.6	152.7	.0000	.0000	.0004	.9987	.9939
14300.0	-.0656	-.7303	6.1	309.61	993.6	152.7	.0000	.0000	.0004	.9987	.9939
14200.0	-.0643	-.7231	6.1	309.61	993.6	152.7	.0000	.0000	.0004	.9988	.9940
14100.0	-.0630	-.7161	6.1	309.62	993.6	152.7	.0000	.0000	.0004	.9988	.9940
14000.0	-.0617	-.7092	6.1	309.62	993.6	152.7	.0000	.0000	.0004	.9988	.9941
13900.0	-.0605	-.7023	6.1	309.63	993.6	152.7	.0000	.0000	.0004	.9988	.9941
13800.0	-.0593	-.6956	6.1	309.62	993.6	152.7	.0000	.0000	.0004	.9988	.9941
13700.0	-.0581	-.6889	6.1	309.63	993.6	152.7	.0000	.0000	.0004	.9988	.9942
13600.0	-.0569	-.6824	6.1	309.63	993.6	152.7	.0000	.0000	.0004	.9988	.9942
13500.0	-.0558	-.6759	6.1	309.63	993.6	152.8	.0000	.0000	.0005	.9988	.9943
13400.0	-.0547	-.6695	6.1	309.64	993.6	152.8	.0000	.0000	.0005	.9988	.9943
13300.0	-.0536	-.6632	6.1	309.64	993.6	152.8	.0000	.0000	.0005	.9988	.9944
13200.0	-.0525	-.6569	6.1	309.64	993.6	152.8	.0000	.0000	.0005	.9988	.9944
13100.0	-.0515	-.6508	6.1	309.64	993.6	152.8	.0000	.0000	.0005	.9989	.9944
13000.0	-.0504	-.6447	6.1	309.65	993.6	152.8	.0000	.0000	.0005	.9989	.9945
12900.0	-.0494	-.6387	6.1	309.65	993.6	152.8	.0000	.0000	.0005	.9989	.9945
12800.0	-.0484	-.6327	6.1	309.65	993.6	152.8	.0000	.0000	.0005	.9989	.9946
12700.0	-.0475	-.6268	6.1	309.65	993.6	152.8	.0000	.0000	.0005	.9989	.9946
12600.0	-.0465	-.6210	6.1	309.66	993.6	152.9	.0000	.0000	.0005	.9989	.9947
12500.0	-.0456	-.6153	6.1	309.66	993.5	152.9	.0000	.0000	.0005	.9989	.9947
12400.0	-.0447	-.6096	6.1	309.66	993.5	152.9	.0000	.0000	.0005	.9989	.9947
12300.0	-.0438	-.6040	6.1	309.67	993.5	152.9	.0000	.0000	.0005	.9989	.9948
12200.0	-.0429	-.5984	6.1	309.67	993.5	152.9	.0000	.0000	.0005	.9989	.9948
12100.0	-.0420	-.5929	6.1	309.67	993.5	152.9	.0000	.0000	.0005	.9989	.9949

TABLE 3. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 310 K)

PO KPA	XO	AO	PR KPA	TR K	RR KG/M3	HR KJ/KG	XR	AR	DR	TR	RR
12000.0	-.0412	-.5875	6.1	309.67	993.5	152.9	.0000	.0000	.0005	.9989	.9949
11900.0	-.0406	-.5821	6.1	309.68	993.5	152.9	.0000	.0000	.0005	.9990	.9949
11800.0	-.0399	-.5768	6.1	309.68	993.5	152.9	.0000	.0000	.0005	.9990	.9950
11700.0	-.0387	-.5715	6.1	309.69	993.5	153.0	.0000	.0000	.0005	.9990	.9950
11600.0	-.0380	-.5662	6.1	309.69	993.5	153.0	.0000	.0000	.0005	.9990	.9951
11500.0	-.0372	-.5611	6.1	309.69	993.5	153.0	.0000	.0000	.0005	.9990	.9951
11400.0	-.0364	-.5559	6.1	309.69	993.5	153.0	.0000	.0000	.0005	.9990	.9952
11300.0	-.0357	-.5509	6.1	309.69	993.5	153.0	.0000	.0000	.0005	.9990	.9952
11200.0	-.0350	-.5458	6.1	309.70	993.5	153.0	.0000	.0000	.0005	.9990	.9952
11100.0	-.0342	-.5408	6.1	309.70	993.5	153.0	.0000	.0000	.0006	.9990	.9953
11000.0	-.0335	-.5359	6.1	309.70	993.5	153.0	.0000	.0000	.0006	.9990	.9953
10900.0	-.0328	-.5310	6.1	309.70	993.5	153.1	.0000	.0000	.0006	.9990	.9954
10800.0	-.0322	-.5261	6.1	309.71	993.5	153.1	.0000	.0000	.0006	.9991	.9954
10700.0	-.0315	-.5213	6.1	309.71	993.5	153.1	.0000	.0000	.0006	.9990	.9954
10600.0	-.0308	-.5165	6.1	309.71	993.5	153.1	.0000	.0000	.0006	.9991	.9955
10500.0	-.0302	-.5118	6.1	309.71	993.5	153.1	.0000	.0000	.0006	.9991	.9955
10400.0	-.0296	-.5071	6.1	309.72	993.5	153.1	.0000	.0000	.0006	.9991	.9956
10300.0	-.0289	-.5024	6.1	309.72	993.5	153.1	.0000	.0000	.0006	.9991	.9956
10200.0	-.0283	-.4978	6.1	309.72	993.5	153.1	.0000	.0000	.0006	.9991	.9957
10100.0	-.0277	-.4932	6.1	309.73	993.5	153.1	.0000	.0000	.0006	.9991	.9957
10000.0	-.0271	-.4887	6.1	309.73	993.5	153.2	.0000	.0000	.0006	.9991	.9957
9900.0	-.0266	-.4842	6.1	309.73	993.5	153.2	.0000	.0000	.0006	.9991	.9958
9800.0	-.0260	-.4797	6.1	309.73	993.5	153.2	.0000	.0000	.0006	.9991	.9958
9700.0	-.0254	-.4752	6.1	309.74	993.5	153.2	.0000	.0000	.0006	.9991	.9959
9600.0	-.0249	-.4708	6.1	309.74	993.5	153.2	.0000	.0000	.0006	.9991	.9959
9500.0	-.0243	-.4664	6.1	309.74	993.5	153.2	.0000	.0000	.0006	.9991	.9959
9400.0	-.0238	-.4620	6.1	309.74	993.5	153.2	.0000	.0000	.0007	.9992	.9960
9300.0	-.0233	-.4577	6.1	309.75	993.5	153.2	.0000	.0000	.0007	.9992	.9960
9200.0	-.0228	-.4534	6.1	309.75	993.5	153.2	.0000	.0000	.0007	.9992	.9961
9100.0	-.0223	-.4491	6.1	309.75	993.5	153.3	.0000	.0000	.0007	.9992	.9961
9000.0	-.0218	-.4449	6.1	309.76	993.5	153.3	.0000	.0000	.0007	.9992	.9962
8900.0	-.0213	-.4407	6.1	309.76	993.5	153.3	.0000	.0000	.0007	.9992	.9962
8800.0	-.0208	-.4365	6.1	309.76	993.5	153.3	.0000	.0000	.0007	.9992	.9962
8700.0	-.0203	-.4323	6.1	309.76	993.5	153.3	.0000	.0000	.0007	.9992	.9963
8600.0	-.0199	-.4281	6.1	309.77	993.5	153.3	.0000	.0000	.0007	.9992	.9963
8500.0	-.0194	-.4240	6.1	309.77	993.5	153.3	.0000	.0000	.0007	.9993	.9964
8400.0	-.0189	-.4199	6.1	309.77	993.5	153.3	.0000	.0000	.0007	.9993	.9964
8300.0	-.0185	-.4158	6.1	309.77	993.5	153.3	.0000	.0000	.0007	.9993	.9965
8200.0	-.0181	-.4118	6.1	309.78	993.5	153.4	.0000	.0000	.0007	.9993	.9965
8100.0	-.0176	-.4077	6.1	309.78	993.5	153.4	.0000	.0000	.0008	.9993	.9965
8000.0	-.0172	-.4037	6.1	309.78	993.5	153.4	.0000	.0000	.0008	.9993	.9966
7900.0	-.0168	-.3997	6.2	309.79	993.5	153.4	.0000	.0000	.0008	.9993	.9966
7800.0	-.0164	-.3958	6.2	309.79	993.5	153.4	.0000	.0000	.0008	.9993	.9967
7700.0	-.0160	-.3918	6.2	309.79	993.5	153.4	.0000	.0000	.0008	.9993	.9967
7600.0	-.0156	-.3879	6.2	309.79	993.5	153.4	.0000	.0000	.0008	.9993	.9967
7500.0	-.0152	-.3839	6.2	309.80	993.5	153.4	.0000	.0000	.0008	.9993	.9968
7400.0	-.0148	-.3800	6.2	309.80	993.5	153.4	.0000	.0000	.0008	.9994	.9968
7300.0	-.0144	-.3761	6.2	309.80	993.5	153.5	.0000	.0000	.0008	.9994	.9969
7200.0	-.0141	-.3723	6.2	309.80	993.5	153.5	.0000	.0000	.0009	.9994	.9969
7100.0	-.0137	-.3684	6.2	309.81	993.5	153.5	.0000	.0000	.0009	.9994	.9970
7000.0	-.0133	-.3646	6.2	309.81	993.5	153.5	.0000	.0000	.0009	.9994	.9970
6900.0	-.0130	-.3607	6.2	309.81	993.5	153.5	.0000	.0000	.0009	.9994	.9970
6800.0	-.0127	-.3569	6.2	309.82	993.5	153.5	.0000	.0000	.0009	.9994	.9971
6700.0	-.0123	-.3531	6.2	309.82	993.5	153.5	.0000	.0000	.0009	.9994	.9971
6600.0	-.0120	-.3493	6.2	309.82	993.5	153.5	.0000	.0000	.0009	.9994	.9972
6500.0	-.0117	-.3455	6.2	309.83	993.5	153.6	.0000	.0000	.0009	.9994	.9972
6400.0	-.0113	-.3418	6.2	309.83	993.5	153.6	.0000	.0000	.0010	.9994	.9973
6300.0	-.0110	-.3380	6.2	309.83	993.5	153.6	.0000	.0000	.0010	.9994	.9973
6200.0	-.0107	-.3342	6.2	309.83	993.5	153.6	.0000	.0000	.0010	.9995	.9973
6100.0	-.0104	-.3305	6.2	309.83	993.5	153.6	.0000	.0000	.0010	.9995	.9974
6000.0	-.0101	-.3268	6.2	309.84	993.5	153.6	.0000	.0000	.0010	.9995	.9974
5900.0	-.0098	-.3230	6.2	309.84	993.5	153.6	.0000	.0000	.0010	.9995	.9975
5800.0	-.0095	-.3193	6.2	309.84	993.5	153.6	.0000	.0000	.0011	.9995	.9975
5700.0	-.0092	-.3156	6.2	309.85	993.5	153.7	.0000	.0000	.0011	.9995	.9976
5600.0	-.0090	-.3119	6.2	309.85	993.5	153.7	.0000	.0000	.0011	.9995	.9976
5500.0	-.0087	-.3081	6.2	309.85	993.5	153.7	.0000	.0000	.0011	.9995	.9976
5400.0	-.0084	-.3044	6.2	309.85	993.5	153.7	.0000	.0000	.0011	.9995	.9977
5300.0	-.0081	-.3007	6.2	309.86	993.5	153.7	.0000	.0000	.0012	.9995	.9977
5200.0	-.0079	-.2970	6.2	309.86	993.5	153.7	.0000	.0000	.0012	.9995	.9978
5100.0	-.0076	-.2933	6.2	309.86	993.5	153.7	.0000	.0000	.0012	.9996	.9978
5000.0	-.0074	-.2896	6.2	309.86	993.5	153.7	.0000	.0000	.0012	.9996	.9979
4900.0	-.0071	-.2859	6.2	309.87	993.5	153.7	.0000	.0000	.0013	.9995	.9979
4800.0	-.0069	-.2822	6.2	309.87	993.5	153.7	.0000	.0000	.0013	.9996	.9979
4700.0	-.0066	-.2785	6.2	309.87	993.5	153.8	.0000	.0000	.0013	.9996	.9980
4600.0	-.0064	-.2748	6.2	309.88	993.5	153.8	.0000	.0000	.0013	.9996	.9980
4500.0	-.0062	-.2711	6.2	309.88	993.5	153.8	.0000	.0000	.0014	.9996	.9981
4400.0	-.0060	-.2674	6.2	309.88	993.5	153.8	.0000	.0000	.0014	.9996	.9981
4300.0	-.0057	-.2636	6.2	309.88	993.5	153.8	.0000	.0000	.0014	.9996	.9982
4200.0	-.0055	-.2599	6.2	309.89	993.5	153.8	.0000	.0000	.0015	.9996	.9982
4100.0	-.0053	-.2561	6.2	309.89	993.5	153.8	.0000	.0000	.0015	.9996	.9982
4000.0	-.0051	-.2524	6.2	309.89	993.5	153.8	.0000	.0000	.0015	.9996	.9983
3900.0	-.0049	-.2486	6.2	309.89	993.5	153.8	.0000	.0000	.0015	.9997	.9983
3800.0	-.0047	-.2448	6.2	309.90	993.5	153.9	.0000	.0000	.0016	.9997	.9984
3700.0	-.0045	-.2410	6.2	309.90	993.5	153.9	.0000	.0000	.0017	.9997	.9984
3600.0	-.0043	-.2372	6.2	309.90	993.5	153.9	.0000	.0000	.0017	.9997	.9985
3500.0	-.0041	-.2334	6.2	309.91	993.5	153.9	.0000	.0000	.0018	.9997	.9985
3400.0	-.0039	-.2295	6.2	309.91	993.5	153.9	.0000	.0000	.0019	.9997	.9986
3300.0	-.0037	-.2256	6.2	309.91	993.5	153.9	.0000	.0000	.0019	.9997	.9986
3200.0	-.0035	-.2217	6.2	309.91	993.5	153.9	.0000	.0000	.0020	.9997	.9986
3100.0	-.0034	-.2178	6.2	309.92	993.5	153.9	.0000	.0000	.0020	.9997	.9987
3000.0	-.0032	-.2138	6.2	309.92	993.5	153.9	.0000	.0000	.0021	.9997	.9987
2900.0	-.0030	-.2099	6.2	309.92	993.5	154.0	.0000	.0000	.0021	.9997	.9988
2800.0	-.0029	-.2058	6.2	309.92	993.5	154.0	.0000	.0000	.0022	.9998	.9988
2700.0	-.0027	-.2018	6.2	309.93	993.5	154.0	.0000	.0000	.0023	.9998	.9988
2600.0	-.0026	-.1977	6.2	309.93	993.5	154.0	.0000	.0000	.0024	.9998	.9989
2500.0	-.0024	-.1935	6.2	309.93	993.5	154.0	.0000	.0000	.0025	.9998	.9989
2400.0	-.0023	-.1893	6.2	309.93	993.4	154.0	.0000	.0000	.0026	.9998	.9990
2300.0	-.0021	-.1851	6.2	309.94	993.4	154.0	.0000	.0000	.0027	.9998	.9990
2200.0	-.0020	-.1808	6.2	309.94	993.4	154.0	.0000	.0000	.0028	.9998	.9991
2100.0	-.0019	-.1765	6.2	309.94	993.4	154.1	.0000	.0000	.0030	.9998	.9991

TABLE 7. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 310 K)

PO KPA	XO	AO	P* KPA	T* K	D* KG/M3	H* KJ/KG	X*	A*	PR	TR	DR
2000.0	-.0017	-.1719	6.2	309.95	993.4	154.1	.0000	.0000	.0031	.9988	.9991
1900.0	-.0016	-.1674	6.2	309.95	993.4	154.1	.0000	.0000	.0033	.9988	.9992
1800.0	-.0015	-.1628	6.2	309.95	993.4	154.1	.0000	.0000	.0034	.9988	.9992
1700.0	-.0014	-.1581	6.2	309.95	993.4	154.1	.0000	.0000	.0037	.9989	.9993
1600.0	-.0012	-.1533	6.2	309.96	993.4	154.1	.0000	.0000	.0039	.9989	.9993
1500.0	-.0011	-.1483	6.2	309.96	993.4	154.1	.0000	.0000	.0041	.9989	.9994
1400.0	-.0010	-.1433	6.2	309.96	993.4	154.1	.0000	.0000	.0044	.9989	.9994
1300.0	-.0009	-.1380	6.2	309.96	993.4	154.1	.0000	.0000	.0048	.9989	.9994
1200.0	-.0008	-.1325	6.2	309.97	993.4	154.2	.0000	.0000	.0053	.9989	.9995
1100.0	-.0007	-.1270	6.2	309.97	993.4	154.2	.0000	.0000	.0056	.9989	.9995
1000.0	-.0006	-.1212	6.2	309.97	993.4	154.2	.0000	.0000	.0062	.9989	.9996
900.0	-.0005	-.1150	6.2	309.98	993.4	154.2	.0000	.0000	.0069	.9989	.9996
800.0	-.0005	-.1085	6.2	309.98	993.4	154.2	.0000	.0000	.0078	.9989	.9997
700.0	-.0004	-.1017	6.2	309.98	993.4	154.2	.0000	.0000	.0089	.9989	.9997
600.0	-.0003	-.0942	6.2	309.98	993.4	154.2	.0000	.0000	.0104	.9989	.9997
500.0	-.0002	-.0861	6.2	309.99	993.4	154.2	.0000	.0000	.0124	1.0000	.9998
400.0	-.0002	-.0771	6.2	309.99	993.4	154.2	.0000	.0000	.0155	1.0000	.9998
300.0	-.0001	-.0669	6.2	309.99	993.4	154.3	.0000	.0000	.0207	1.0000	.9999
200.0	-.0001	-.0540	6.2	309.99	993.4	154.3	.0000	.0000	.0311	1.0000	.9999
100.0	-.0000	-.0366	6.2	310.00	993.4	154.3	.0000	.0000	.0622	1.0000	1.0000

TABLE . . SUBCOOLED CRITICAL STATE PROPERTIES

(TO 320 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
22120.0	********	********	10.1	319.26	989.8	193.0	.0030	.0000	.0005	.9977	.9909
22100.0	-4.2986	-14.4793	10.1	319.26	989.8	193.0	.0000	.0000	.0005	.9977	.9909
22000.0	-1.5809	-5.8864	10.1	319.26	989.8	193.0	.0000	.0000	.0005	.9977	.9909
21900.0	-1.1239	-4.4278	10.1	319.26	989.8	193.0	.0000	.0000	.0005	.9977	.9910
21800.0	-.9081	-3.7329	10.1	319.27	989.8	193.0	.0000	.0000	.0005	.9977	.9910
21700.0	-.7762	-3.3031	10.1	319.27	989.8	193.0	.0000	.0000	.0005	.9977	.9910
21600.0	-.6849	-3.0032	10.1	319.27	989.7	193.0	.0000	.0000	.0005	.9977	.9911
21500.0	-.6164	-2.7774	10.2	319.28	989.7	193.1	.0000	.0000	.0005	.9977	.9911
21400.0	-.5629	-2.5989	10.2	319.28	989.7	193.1	.0000	.0000	.0005	.9977	.9912
21300.0	-.5193	-2.4538	10.2	319.28	989.7	193.1	.0000	.0000	.0005	.9978	.9912
21200.0	-.4830	-2.3300	10.2	319.29	989.7	193.1	.0000	.0000	.0005	.9978	.9912
21100.0	-.4520	-2.2246	10.2	319.29	989.7	193.1	.0000	.0000	.0005	.9978	.9913
21000.0	-.4252	-2.1327	10.2	319.29	989.7	193.1	.0000	.0000	.0005	.9978	.9913
20900.0	-.4017	-2.0515	10.2	319.30	989.7	193.2	.0000	.0000	.0005	.9978	.9914
20800.0	-.3808	-1.9789	10.2	319.30	989.7	193.2	.0000	.0000	.0005	.9978	.9914
20700.0	-.3621	-1.9134	10.2	319.30	989.7	193.2	.0000	.0000	.0005	.9978	.9914
20600.0	-.3452	-1.8539	10.2	319.31	989.7	193.2	.0000	.0000	.0005	.9978	.9915
20500.0	-.3299	-1.7994	10.2	319.31	989.7	193.2	.0000	.0000	.0005	.9978	.9915
20400.0	-.3158	-1.7492	10.2	319.31	989.7	193.2	.0000	.0000	.0005	.9979	.9916
20300.0	-.3029	-1.7027	10.2	319.32	989.7	193.2	.0000	.0000	.0005	.9979	.9916
20200.0	-.2910	-1.6594	10.2	319.32	989.7	193.3	.0000	.0000	.0005	.9979	.9916
20100.0	-.2798	-1.6189	10.2	319.32	989.7	193.3	.0000	.0000	.0005	.9979	.9917
20000.0	-.2694	-1.5810	10.2	319.33	989.7	193.3	.0000	.0000	.0005	.9979	.9917
19900.0	-.2599	-1.5455	10.2	319.33	989.7	193.3	.0000	.0000	.0005	.9979	.9918
19800.0	-.2509	-1.5115	10.2	319.33	989.7	193.3	.0000	.0000	.0005	.9979	.9918
19700.0	-.2424	-1.4796	10.2	319.34	989.7	193.3	.0000	.0000	.0005	.9979	.9918
19600.0	-.2344	-1.4494	10.2	319.34	989.7	193.3	.0000	.0000	.0005	.9979	.9919
19500.0	-.2268	-1.4206	10.2	319.34	989.7	193.3	.0000	.0000	.0005	.9979	.9919
19400.0	-.2196	-1.3931	10.2	319.35	989.7	193.4	.0010	.0000	.0005	.9980	.9920
19300.0	-.2128	-1.3668	10.2	319.35	989.7	193.4	.0000	.0000	.0005	.9980	.9920
19200.0	-.2064	-1.3419	10.2	319.35	989.7	193.4	.0000	.0000	.0005	.9980	.9921
19100.0	-.2002	-1.3179	10.2	319.36	989.7	193.4	.0000	.0000	.0005	.9980	.9921
19000.0	-.1944	-1.2948	10.2	319.36	989.7	193.4	.0000	.0000	.0005	.9980	.9921
18900.0	-.1888	-1.2727	10.2	319.36	989.7	193.4	.0000	.0000	.0005	.9980	.9922
18800.0	-.1835	-1.2514	10.2	319.37	989.7	193.4	.0000	.0000	.0005	.9980	.9922
18700.0	-.1783	-1.2310	10.2	319.37	989.7	193.4	.0000	.0000	.0005	.9980	.9922
18600.0	-.1735	-1.2112	10.2	319.37	989.7	193.5	.0000	.0000	.0005	.9980	.9923
18500.0	-.1688	-1.1922	10.2	319.38	989.7	193.5	.0000	.0000	.0006	.9981	.9923
18400.0	-.1643	-1.1738	10.2	319.38	989.7	193.5	.0000	.0000	.0006	.9981	.9924
18300.0	-.1600	-1.1560	10.2	319.38	989.7	193.5	.0000	.0000	.0006	.9981	.9924
18200.0	-.1558	-1.1388	10.2	319.39	989.7	193.5	.0000	.0000	.0006	.9981	.9924
18100.0	-.1518	-1.1222	10.2	319.39	989.7	193.5	.0000	.0000	.0006	.9981	.9925
18000.0	-.1479	-1.1060	10.2	319.39	989.7	193.5	.0000	.0000	.0006	.9981	.9925
17900.0	-.1442	-1.0904	10.2	319.40	989.7	193.6	.0000	.0000	.0006	.9981	.9926
17800.0	-.1407	-1.0753	10.2	319.40	989.7	193.6	.0000	.0000	.0006	.9981	.9926
17700.0	-.1373	-1.0606	10.2	319.40	989.7	193.6	.0000	.0000	.0006	.9981	.9926
17600.0	-.1339	-1.0463	10.2	319.41	989.7	193.6	.0000	.0000	.0006	.9981	.9927
17500.0	-.1306	-1.0324	10.2	319.41	989.7	193.6	.0000	.0000	.0006	.9982	.9927
17400.0	-.1275	-1.0189	10.2	319.41	989.7	193.6	.0000	.0000	.0006	.9982	.9928
17300.0	-.1245	-1.0058	10.2	319.42	989.7	193.6	.0000	.0000	.0006	.9982	.9928
17200.0	-.1216	-.9930	10.2	319.42	989.7	193.7	.0000	.0000	.0006	.9982	.9928
17100.0	-.1188	-.9806	10.2	319.42	989.7	193.7	.0000	.0000	.0006	.9982	.9929
17000.0	-.1161	-.9685	10.2	319.43	989.7	193.7	.0000	.0000	.0006	.9982	.9929
16900.0	-.1134	-.9567	10.2	319.43	989.7	193.7	.0000	.0000	.0006	.9982	.9930
16800.0	-.1109	-.9452	10.2	319.43	989.7	193.7	.0000	.0000	.0006	.9982	.9930
16700.0	-.1084	-.9340	10.2	319.44	989.7	193.7	.0000	.0000	.0006	.9982	.9930
16600.0	-.1060	-.9231	10.2	319.44	989.7	193.7	.0000	.0000	.0006	.9982	.9931
16500.0	-.1037	-.9125	10.2	319.44	989.7	193.8	.0000	.0000	.0006	.9983	.9931
16400.0	-.1015	-.9022	10.2	319.45	989.7	193.8	.0000	.0000	.0006	.9983	.9932
16300.0	-.0993	-.8920	10.2	319.45	989.7	193.8	.0000	.0000	.0006	.9983	.9932
16200.0	-.0971	-.8820	10.2	319.45	989.7	193.8	.0000	.0000	.0006	.9983	.9933
16100.0	-.0950	-.8721	10.2	319.46	989.7	193.8	.0000	.0000	.0006	.9983	.9933
16000.0	-.0930	-.8625	10.2	319.46	989.7	193.8	.0000	.0000	.0006	.9983	.9933
15900.0	-.0910	-.8530	10.2	319.46	989.7	193.8	.0000	.0000	.0006	.9983	.9934
15800.0	-.0891	-.8438	10.3	319.47	989.7	193.9	.0000	.0000	.0006	.9983	.9934
15700.0	-.0872	-.8347	10.3	319.47	989.7	193.9	.0000	.0000	.0007	.9983	.9935
15600.0	-.0854	-.8258	10.3	319.47	989.7	193.9	.0000	.0000	.0007	.9984	.9935
15500.0	-.0836	-.8170	10.3	319.48	989.7	193.9	.0000	.0000	.0007	.9984	.9935
15400.0	-.0819	-.8084	10.3	319.48	989.7	193.9	.0000	.0000	.0007	.9984	.9936
15300.0	-.0802	-.7999	10.3	319.48	989.7	193.9	.0000	.0000	.0007	.9984	.9936
15200.0	-.0785	-.7916	10.3	319.49	989.7	193.9	.0000	.0000	.0007	.9984	.9937
15100.0	-.0769	-.7835	10.3	319.49	989.7	194.0	.0000	.0000	.0007	.9984	.9937
15000.0	-.0753	-.7754	10.3	319.49	989.7	194.0	.0000	.0000	.0007	.9984	.9937
14900.0	-.0738	-.7675	10.3	319.50	989.7	194.0	.0000	.0000	.0007	.9984	.9938
14800.0	-.0722	-.7598	10.3	319.50	989.7	194.0	.0000	.0000	.0007	.9984	.9938
14700.0	-.0708	-.7521	10.3	319.50	989.6	194.0	.0000	.0000	.0007	.9985	.9939
14600.0	-.0693	-.7446	10.3	319.51	989.6	194.0	.0000	.0000	.0007	.9985	.9939
14500.0	-.0679	-.7371	10.3	319.51	989.6	194.0	.0000	.0000	.0007	.9985	.9939
14400.0	-.0665	-.7298	10.3	319.51	989.6	194.1	.0000	.0000	.0007	.9985	.9940
14300.0	-.0652	-.7226	10.3	319.52	989.6	194.1	.0000	.0000	.0007	.9985	.9940
14200.0	-.0639	-.7155	10.3	319.52	989.6	194.1	.0000	.0000	.0007	.9985	.9941
14100.0	-.0626	-.7085	10.3	319.52	989.6	194.1	.0000	.0000	.0007	.9985	.9941
14000.0	-.0613	-.7016	10.3	319.53	989.5	194.1	.0000	.0000	.0007	.9985	.9941
13900.0	-.0601	-.6948	10.3	319.53	989.6	194.1	.0000	.0000	.0007	.9985	.9942
13800.0	-.0589	-.6881	10.3	319.53	989.6	194.2	.0000	.0000	.0007	.9985	.9942
13700.0	-.0577	-.6815	10.3	319.54	989.6	194.2	.0000	.0000	.0008	.9985	.9943
13600.0	-.0565	-.6750	10.3	319.54	989.6	194.2	.0000	.0000	.0008	.9985	.9943
13500.0	-.0554	-.6685	10.3	319.54	989.6	194.2	.0000	.0000	.0008	.9986	.9944
13400.0	-.0543	-.6622	10.3	319.55	989.6	194.2	.0000	.0000	.0008	.9986	.9944
13300.0	-.0532	-.6559	10.3	319.55	989.6	194.2	.0000	.0000	.0008	.9986	.9944
13200.0	-.0521	-.6497	10.3	319.55	989.6	194.2	.0000	.0000	.0008	.9986	.9945
13100.0	-.0511	-.6436	10.3	319.56	989.6	194.2	.0000	.0000	.0008	.9986	.9945
13000.0	-.0501	-.6375	10.3	319.56	989.6	194.3	.0000	.0000	.0008	.9986	.9946
12900.0	-.0491	-.6315	10.3	319.56	989.6	194.3	.0000	.0000	.0008	.9986	.9946
12800.0	-.0481	-.6256	10.3	319.57	989.6	194.3	.0000	.0000	.0008	.9986	.9946
12700.0	-.0471	-.6198	10.3	319.57	989.6	194.3	.0000	.0000	.0008	.9987	.9947
12600.0	-.0462	-.6140	10.3	319.57	989.6	194.3	.0000	.0000	.0008	.9987	.9947
12500.0	-.0452	-.6083	10.3	319.58	989.6	194.3	.0000	.0000	.0008	.9987	.9948
12400.0	-.0443	-.6026	10.3	319.58	989.6	194.3	.0000	.0000	.0008	.9987	.9948
12300.0	-.0434	-.5970	10.3	319.58	989.6	194.3	.0000	.0000	.0008	.9987	.9948
12200.0	-.0426	-.5915	10.3	319.59	989.5	194.4	.0000	.0000	.0008	.9987	.9949
12100.0	-.0417	-.5860	10.3	319.59	989.5	194.4	.0000	.0000	.0009	.9987	.9949

TABLE 7. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 320 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
12000.0	-.0409	-.5806	10.3	319.59	989.6	194.4	.0000	.0000	.0009	.9987	.9950
11900.0	-.0400	-.5723	10.3	319.60	989.6	194.4	.0000	.0000	.0009	.9987	.9950
11800.0	-.0392	-.5640	10.3	319.60	989.6	194.4	.0000	.0000	.0009	.9988	.9950
11700.0	-.0384	-.5557	10.3	319.60	989.6	194.4	.0000	.0000	.0009	.9988	.9951
11600.0	-.0377	-.5475	10.3	319.61	989.6	194.4	.0000	.0000	.0009	.9988	.9951
11500.0	-.0369	-.5393	10.3	319.61	989.6	194.5	.0000	.0000	.0009	.9988	.9952
11400.0	-.0361	-.5312	10.3	319.61	989.6	194.5	.0000	.0000	.0009	.9988	.9952
11300.0	-.0354	-.5232	10.3	319.62	989.6	194.5	.0000	.0000	.0009	.9988	.9953
11200.0	-.0347	-.5152	10.3	319.62	989.6	194.5	.0000	.0000	.0009	.9988	.9953
11100.0	-.0340	-.5072	10.3	319.62	989.6	194.5	.0000	.0000	.0009	.9988	.9953
11000.0	-.0333	-.4993	10.3	319.63	989.6	194.5	.0000	.0000	.0009	.9988	.9954
10900.0	-.0326	-.4914	10.3	319.63	989.6	194.5	.0000	.0000	.0009	.9988	.9954
10800.0	-.0319	-.4836	10.3	319.63	989.6	194.6	.0000	.0000	.0010	.9989	.9955
10700.0	-.0312	-.4758	10.3	319.64	989.6	194.6	.0000	.0000	.0010	.9989	.9955
10600.0	-.0306	-.4681	10.3	319.64	989.6	194.6	.0000	.0000	.0010	.9989	.9955
10500.0	-.0299	-.4603	10.3	319.64	989.6	194.6	.0000	.0000	.0010	.9989	.9956
10400.0	-.0293	-.4527	10.3	319.65	989.6	194.6	.0000	.0000	.0010	.9989	.9956
10300.0	-.0287	-.4450	10.3	319.65	989.6	194.6	.0000	.0000	.0010	.9989	.9957
10200.0	-.0281	-.4374	10.3	319.65	989.6	194.6	.0000	.0000	.0010	.9989	.9957
10100.0	-.0275	-.4298	10.4	319.66	989.6	194.7	.0000	.0000	.0010	.9989	.9957
10000.0	-.0269	-.4223	10.4	319.66	989.6	194.7	.0000	.0000	.0010	.9989	.9958
9900.0	-.0263	-.4148	10.4	319.67	989.6	194.7	.0000	.0000	.0011	.9990	.9958
9800.0	-.0258	-.4074	10.4	319.67	989.6	194.7	.0000	.0000	.0011	.9990	.9959
9700.0	-.0252	-.4000	10.4	319.67	989.6	194.7	.0000	.0000	.0011	.9990	.9959
9600.0	-.0247	-.3926	10.4	319.68	989.6	194.7	.0000	.0000	.0011	.9990	.9960
9500.0	-.0241	-.3852	10.4	319.68	989.6	194.7	.0000	.0000	.0011	.9990	.9960
9400.0	-.0236	-.3779	10.4	319.68	989.6	194.8	.0000	.0000	.0011	.9990	.9960
9300.0	-.0231	-.3706	10.4	319.69	989.6	194.8	.0000	.0000	.0011	.9990	.9961
9200.0	-.0226	-.3633	10.4	319.69	989.6	194.8	.0000	.0000	.0011	.9990	.9961
9100.0	-.0220	-.3560	10.4	319.69	989.6	194.8	.0000	.0000	.0011	.9990	.9962
9000.0	-.0216	-.3488	10.4	319.70	989.6	194.8	.0000	.0000	.0012	.9990	.9962
8900.0	-.0211	-.3416	10.4	319.70	989.6	194.8	.0000	.0000	.0012	.9991	.9962
8800.0	-.0206	-.3344	10.4	319.70	989.6	194.8	.0000	.0000	.0012	.9991	.9963
8700.0	-.0201	-.3272	10.4	319.71	989.6	194.9	.0000	.0000	.0012	.9991	.9963
8600.0	-.0197	-.3201	10.4	319.71	989.6	194.9	.0000	.0000	.0012	.9991	.9964
8500.0	-.0192	-.3130	10.4	319.71	989.6	194.9	.0000	.0000	.0012	.9991	.9964
8400.0	-.0187	-.3059	10.4	319.72	989.6	194.9	.0000	.0000	.0013	.9991	.9965
8300.0	-.0183	-.2989	10.4	319.72	989.6	194.9	.0000	.0000	.0013	.9991	.9965
8200.0	-.0179	-.2918	10.4	319.72	989.6	194.9	.0000	.0000	.0013	.9991	.9965
8100.0	-.0175	-.2848	10.4	319.73	989.6	194.9	.0000	.0000	.0013	.9991	.9966
8000.0	-.0170	-.2778	10.4	319.73	989.6	195.0	.0000	.0000	.0013	.9992	.9966
7900.0	-.0166	-.2709	10.4	319.73	989.6	195.0	.0000	.0000	.0013	.9992	.9967
7800.0	-.0162	-.2639	10.4	319.74	989.6	195.0	.0000	.0000	.0013	.9992	.9967
7700.0	-.0158	-.2570	10.4	319.74	989.5	195.0	.0000	.0000	.0013	.9992	.9967
7600.0	-.0154	-.2502	10.4	319.74	989.5	195.0	.0000	.0000	.0014	.9992	.9968
7500.0	-.0150	-.2433	10.4	319.75	989.5	195.0	.0000	.0000	.0014	.9992	.9968
7400.0	-.0147	-.2365	10.4	319.75	989.5	195.0	.0000	.0000	.0014	.9992	.9969
7300.0	-.0143	-.2297	10.4	319.75	989.5	195.1	.0000	.0000	.0014	.9992	.9969
7200.0	-.0139	-.2229	10.4	319.76	989.5	195.1	.0000	.0000	.0014	.9992	.9970
7100.0	-.0136	-.2162	10.4	319.76	989.5	195.1	.0000	.0000	.0015	.9993	.9970
7000.0	-.0132	-.2095	10.4	319.76	989.5	195.1	.0000	.0000	.0015	.9993	.9970
6900.0	-.0129	-.2028	10.4	319.77	989.5	195.1	.0000	.0000	.0015	.9993	.9971
6800.0	-.0125	-.1961	10.4	319.77	989.5	195.1	.0000	.0000	.0015	.9993	.9971
6700.0	-.0122	-.1895	10.4	319.77	989.5	195.1	.0000	.0000	.0016	.9993	.9972
6600.0	-.0118	-.1829	10.4	319.78	989.5	195.2	.0000	.0000	.0016	.9993	.9972
6500.0	-.0115	-.1763	10.4	319.78	989.5	195.2	.0000	.0000	.0016	.9993	.9972
6400.0	-.0112	-.1697	10.4	319.78	989.5	195.2	.0000	.0000	.0016	.9993	.9973
6300.0	-.0109	-.1632	10.4	319.79	989.5	195.2	.0000	.0000	.0017	.9993	.9973
6200.0	-.0106	-.1567	10.4	319.79	989.5	195.2	.0000	.0000	.0017	.9993	.9974
6100.0	-.0103	-.1502	10.4	319.79	989.5	195.2	.0000	.0000	.0017	.9994	.9974
6000.0	-.0100	-.1437	10.4	319.80	989.5	195.2	.0000	.0000	.0017	.9994	.9975
5900.0	-.0097	-.1373	10.4	319.80	989.5	195.2	.0000	.0000	.0018	.9994	.9975
5800.0	-.0094	-.1308	10.4	319.80	989.5	195.3	.0000	.0000	.0018	.9994	.9975
5700.0	-.0091	-.1244	10.4	319.81	989.5	195.3	.0000	.0000	.0018	.9994	.9976
5600.0	-.0088	-.1180	10.4	319.81	989.5	195.3	.0000	.0000	.0019	.9994	.9976
5500.0	-.0086	-.1117	10.4	319.81	989.5	195.3	.0000	.0000	.0019	.9994	.9977
5400.0	-.0083	-.1053	10.4	319.82	989.5	195.3	.0000	.0000	.0019	.9994	.9977
5300.0	-.0080	-.0990	10.4	319.82	989.5	195.3	.0000	.0000	.0020	.9994	.9978
5200.0	-.0078	-.0927	10.4	319.82	989.5	195.3	.0000	.0000	.0020	.9994	.9978
5100.0	-.0075	-.0864	10.4	319.83	989.5	195.4	.0000	.0000	.0020	.9995	.9978
5000.0	-.0073	-.0801	10.4	319.83	989.5	195.4	.0000	.0000	.0021	.9995	.9979
4900.0	-.0070	-.0738	10.4	319.83	989.5	195.4	.0000	.0000	.0021	.9995	.9979
4800.0	-.0068	-.0676	10.4	319.84	989.5	195.4	.0000	.0000	.0021	.9995	.9980
4700.0	-.0065	-.0613	10.4	319.84	989.5	195.4	.0000	.0000	.0022	.9995	.9980
4600.0	-.0063	-.0551	10.4	319.84	989.5	195.4	.0000	.0000	.0022	.9995	.9980
4500.0	-.0061	-.0488	10.5	319.85	989.5	195.4	.0000	.0000	.0023	.9995	.9981
4400.0	-.0059	-.0426	10.5	319.85	989.5	195.5	.0000	.0000	.0023	.9995	.9981
4300.0	-.0056	-.0364	10.5	319.85	989.5	195.5	.0000	.0000	.0024	.9995	.9982
4200.0	-.0054	-.0302	10.5	319.86	989.5	195.5	.0000	.0000	.0024	.9996	.9982
4100.0	-.0052	-.0240	10.5	319.86	989.5	195.5	.0000	.0000	.0025	.9996	.9983
4000.0	-.0050	-.0178	10.5	319.86	989.5	195.5	.0000	.0000	.0026	.9996	.9983
3900.0	-.0048	-.0116	10.5	319.87	989.5	195.5	.0000	.0000	.0027	.9996	.9983
3800.0	-.0046	-.0055	10.5	319.87	989.5	195.5	.0000	.0000	.0028	.9996	.9984
3700.0	-.0044	.0006	10.5	319.87	989.5	195.6	.0000	.0000	.0028	.9996	.9984
3600.0	-.0042	.0067	10.5	319.88	989.5	195.6	.0000	.0000	.0029	.9996	.9985
3500.0	-.0040	.0128	10.5	319.88	989.5	195.6	.0000	.0000	.0030	.9996	.9985
3400.0	-.0039	.0189	10.5	319.88	989.5	195.6	.0000	.0000	.0031	.9996	.9986
3300.0	-.0037	.0250	10.5	319.89	989.5	195.6	.0000	.0000	.0032	.9997	.9986
3200.0	-.0035	.0311	10.5	319.89	989.5	195.6	.0000	.0000	.0033	.9997	.9986
3100.0	-.0033	.0372	10.5	319.89	989.5	195.6	.0000	.0000	.0034	.9997	.9987
3000.0	-.0032	.0433	10.5	319.90	989.5	195.7	.0000	.0000	.0035	.9997	.9987
2900.0	-.0030	.0494	10.5	319.90	989.5	195.7	.0000	.0000	.0036	.9997	.9988
2800.0	-.0028	.0555	10.5	319.91	989.5	195.7	.0000	.0000	.0037	.9997	.9988
2700.0	-.0027	.0616	10.5	319.91	989.5	195.7	.0000	.0000	.0038	.9997	.9989
2600.0	-.0025	.0677	10.5	319.91	989.5	195.7	.0000	.0000	.0040	.9997	.9989
2500.0	-.0024	.0738	10.5	319.92	989.5	195.7	.0000	.0000	.0042	.9997	.9989
2400.0	-.0022	.0799	10.5	319.92	989.5	195.7	.0000	.0000	.0044	.9997	.9990
2300.0	-.0021	.0860	10.5	319.93	989.5	195.8	.0000	.0000	.0046	.9998	.9990
2200.0	-.0020	.0921	10.5	319.93	989.5	195.8	.0000	.0000	.0048	.9998	.9991
2100.0	-.0018	.0982	10.5	319.93	989.5	195.8	.0000	.0000	.0050	.9998	.9991

TABLE 2. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 320 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
2000.0	-.0017	-.1672	10.5	319.93	989.5	195.8	.0000	.0000	.0052	.9998	.9991
1900.0	-.0016	-.1627	10.5	319.94	989.5	195.8	.0000	.0000	.0055	.9998	.9992
1800.0	-.0014	-.1581	10.5	319.94	989.5	195.8	.0000	.0000	.0059	.9998	.9992
1700.0	-.0013	-.1534	10.5	319.94	989.5	195.8	.0000	.0000	.0062	.9998	.9993
1600.0	-.0012	-.1486	10.5	319.95	989.5	195.9	.0000	.0000	.0066	.9998	.9993
1500.0	-.0011	-.1437	10.5	319.95	989.5	195.9	.0000	.0000	.0070	.9998	.9994
1400.0	-.0010	-.1386	10.5	319.95	989.5	195.9	.0000	.0000	.0075	.9999	.9994
1300.0	-.0009	-.1334	10.5	319.96	989.5	195.9	.0000	.0000	.0081	.9999	.9994
1200.0	-.0008	-.1280	10.5	319.96	989.5	195.9	.0000	.0000	.0088	.9999	.9995
1100.0	-.0007	-.1224	10.5	319.96	989.5	195.9	.0000	.0000	.0096	.9999	.9995
1000.0	-.0006	-.1166	10.5	319.97	989.4	195.9	.0000	.0000	.0105	.9999	.9996
900.0	-.0005	-.1105	10.5	319.97	989.4	196.0	.0000	.0000	.0117	.9999	.9996
800.0	-.0004	-.1041	10.5	319.97	989.4	196.0	.0000	.0000	.0131	.9999	.9997
700.0	-.0004	-.0973	10.5	319.98	989.4	196.0	.0000	.0000	.0150	.9999	.9997
600.0	-.0003	-.0898	10.5	319.98	989.4	196.0	.0000	.0000	.0175	.9999	.9997
500.0	-.0002	-.0818	10.5	319.98	989.4	196.0	.0000	.0000	.0210	.9999	.9998
400.0	-.0002	-.0728	10.5	319.99	989.4	196.0	.0000	.0000	.0263	1.0000	.9998
300.0	-.0001	-.0624	10.5	319.99	989.4	196.0	.0000	.0000	.0351	1.0000	.9999
200.0	-.0001	-.0498	10.5	319.99	989.4	196.1	.0000	.0000	.0526	1.0000	.9999
100.0	-.0000	-.0329	10.5	320.00	989.4	196.1	.0000	.0000	.1053	1.0000	1.0000

TABLE 2. SUBCOOLED CRITICAL STATE PROPERTIES

(TC 330 K)

P* KPA	X*	A0	P* KPA	T* K	D* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
2412E+6	*******	********	16.5	329.12	985.2	234.2	.0000	.0000	.0007	.9973	.9965
2412E+6	-4.20E1	-14.3766	16.5	329.12	985.2	234.2	.0000	.0000	.0007	.9973	.9965
2260E+6	-1.3765	-5.8426	16.5	329.12	985.2	234.2	.0000	.0000	.0007	.9973	.9910
2196E+6	-1.1205	-4.8940	16.5	329.13	985.2	234.2	.0000	.0000	.0008	.9973	.9916
2187E+6	-.9422	-3.7636	16.5	329.13	985.2	234.3	.0000	.0000	.0008	.9974	.9916
2187E+6	-.7738	-3.2769	16.5	329.13	985.2	234.3	.0000	.0000	.0008	.9974	.9911
2120E+6	-.6044	-2.4796	16.5	329.14	985.2	234.3	.0000	.0000	.0008	.9974	.9911
2156E+6	-.6143	-2.7346	16.5	329.14	985.2	234.3	.0000	.0000	.0008	.9974	.9912
2146E+6	-.5008	-2.5775	16.5	329.14	985.2	234.3	.0000	.0000	.0008	.9974	.9916
2120E+6	-.3474	-2.4364	16.5	329.15	985.2	234.3	.0000	.0000	.0008	.9974	.9916
2126E+6	-.4012	-2.3204	16.5	329.15	985.2	234.4	.0000	.0000	.0008	.9974	.9915
2116E+6	-.1763	-2.2257	16.5	329.16	985.2	234.4	.0000	.0000	.0008	.9974	.9913
2100E+6	-.4230	-2.1145	16.5	329.16	985.2	234.4	.0000	.0000	.0008	.9975	.9914
2090E+6	-.4461	-2.6330	16.5	329.16	985.2	234.4	.0000	.0000	.0008	.9975	.9914
2066E+6	-.3763	-1.9617	16.5	329.17	985.2	234.4	.0000	.0000	.0008	.9975	.9914
2076E+6	-.4066	-1.8567	16.5	329.17	985.2	234.4	.0000	.0000	.0008	.9975	.9915
2060E+6	-.3428	-1.6376	16.5	329.18	985.2	234.5	.0000	.0000	.0008	.9975	.9915
2050E+6	-.3285	-1.7834	16.5	329.18	985.2	234.5	.0000	.0000	.0008	.9975	.9916
2046E+6	-.3441	-1.7335	16.5	329.18	985.2	234.5	.0000	.0000	.0008	.9975	.9916
2030E+6	-.3016	-1.6873	16.5	329.19	985.2	234.5	.0000	.0000	.0008	.9975	.9916
2026E+6	-.2647	-1.6443	16.5	329.19	985.2	234.5	.0000	.0000	.0008	.9976	.9917
2010E+6	-.2788	-1.6041	16.5	329.20	985.2	234.5	.0000	.0000	.0008	.9976	.9917
2006E+6	-.2608	-1.5685	16.6	329.20	985.1	234.6	.0000	.0000	.0008	.9976	.9918
1996E+6	-.2387	-1.5346	16.6	329.20	985.1	234.6	.0000	.0000	.0008	.9976	.9918
1980E+6	-.2497	-1.4995	16.6	329.21	985.1	234.6	.0000	.0000	.0008	.9976	.9918
1947E+6	-.2446	-1.4685	16.6	329.21	985.1	234.6	.0000	.0000	.0008	.9976	.9919
1960E+6	-.2332	-1.4357	16.6	329.22	985.1	234.6	.0000	.0000	.0008	.9976	.9919
1910E+6	-.2217	-1.4071	16.6	329.22	985.1	234.6	.0000	.0000	.0008	.9976	.9920
1896E+6	-.2126	-1.3796	16.6	329.22	985.1	234.7	.0000	.0000	.0009	.9976	.9920
1936E+6	-.1945	-1.3538	16.6	329.23	985.1	234.7	.0000	.0000	.0009	.9977	.9920
1946E+6	-.2203	-1.3290	16.6	329.23	985.1	234.7	.0000	.0000	.0009	.9977	.9921
1910E+6	-.1992	-1.3051	16.6	329.24	985.1	234.7	.0000	.0000	.0009	.9977	.9921
1926E+6	-.1934	-1.2822	16.6	329.24	985.1	234.7	.0000	.0000	.0009	.9977	.9922
1896E+6	-.1878	-1.2603	16.6	329.24	985.1	234.7	.0000	.0000	.0009	.9977	.9922
1856E+6	-.1761	-1.2394	16.6	329.25	985.1	234.8	.0000	.0000	.0009	.9977	.9922
1876E+6	-.1796	-1.2196	16.6	329.25	985.1	234.8	.0000	.0000	.0009	.9977	.9923
1860E+6	-.1741	-1.1992	16.6	329.26	985.1	234.8	.0000	.0000	.0009	.9977	.9923
1836E+6	-.1679	-1.1802	16.6	329.26	985.1	234.8	.0000	.0000	.0009	.9978	.9924
1796E+6	-.1594	-1.1626	16.6	329.26	985.1	234.8	.0000	.0000	.0009	.9978	.9924
1820E+6	-.1691	-1.1443	16.6	329.27	985.1	234.8	.0000	.0000	.0009	.9978	.9924
1806E+6	-.1566	-1.1272	16.6	329.27	985.1	234.9	.0000	.0000	.0009	.9978	.9925
1810E+6	-.1564	-1.1107	16.6	329.27	985.1	234.9	.0000	.0000	.0009	.9978	.9925
1806E+6	-.1431	-1.0947	16.6	329.28	985.1	234.9	.0000	.0000	.0009	.9978	.9926
1796E+6	-.1424	-1.0796	16.6	329.28	985.1	234.9	.0000	.0000	.0009	.9978	.9926
1760E+6	-.1341	-1.0641	16.6	329.29	985.1	234.9	.0000	.0000	.0009	.9978	.9926
1770E+6	-.1369	-1.0495	16.6	329.29	985.1	234.9	.0000	.0000	.0009	.9979	.9927
1780E+6	-.1332	-1.0353	16.6	329.29	985.1	235.0	.0000	.0000	.0009	.9979	.9927
1750E+6	-.1296	-1.0215	16.6	329.30	985.1	235.0	.0000	.0000	.0010	.9979	.9928
1746E+6	-.1220	-1.0084	16.6	329.30	985.1	235.0	.0000	.0000	.0010	.9979	.9928
1730E+6	-.1255	-.9951	16.6	329.31	985.1	235.0	.0000	.0000	.0010	.9979	.9929
1726E+6	-.1264	-.9824	16.6	329.31	985.1	235.0	.0000	.0000	.0010	.9979	.9929
1710E+6	-.1181	-.9701	16.6	329.31	985.1	235.0	.0000	.0000	.0010	.9979	.9929
1706E+6	-.1144	-.9581	16.6	329.32	985.1	235.1	.0000	.0000	.0010	.9979	.9930
1696E+6	-.1127	-.9463	16.6	329.32	985.1	235.1	.0000	.0000	.0010	.9979	.9930
1686E+6	-.1106	-.9349	16.6	329.32	985.1	235.1	.0000	.0000	.0010	.9980	.9930
1676E+6	-.1077	-.9238	16.7	329.33	985.1	235.1	.0000	.0000	.0010	.9980	.9931
1666E+6	-.1053	-.9129	16.7	329.33	985.1	235.1	.0000	.0000	.0010	.9980	.9931
1636E+6	-.1026	-.9666	16.7	329.34	985.1	235.1	.0000	.0000	.0010	.9980	.9932
1646E+6	-.1000	-.8922	16.7	329.34	985.1	235.2	.0000	.0000	.0010	.9980	.9932
1626E+6	-.0966	-.8821	16.7	329.35	985.1	235.2	.0000	.0000	.0010	.9980	.9932
1616E+6	-.0921	-.8721	16.7	329.35	985.1	235.2	.0000	.0000	.0010	.9980	.9933
1606E+6	-.0944	-.8623	16.7	329.36	985.1	235.2	.0000	.0000	.0010	.9980	.9933
1566E+6	-.0914	-.8527	16.7	329.36	985.1	235.2	.0000	.0000	.0010	.9981	.9934
1596E+6	-.0884	-.8434	16.7	329.36	985.1	235.2	.0000	.0000	.0010	.9981	.9934
1586E+6	-.0865	-.8341	16.7	329.37	985.1	235.2	.0000	.0000	.0011	.9981	.9934
1576E+6	-.0866	-.8251	16.7	329.37	985.1	235.3	.0000	.0000	.0011	.9981	.9935
1566E+6	-.0842	-.8162	16.7	329.37	985.1	235.3	.0000	.0000	.0011	.9981	.9935
1556E+6	-.0838	-.8075	16.7	329.38	985.1	235.3	.0000	.0000	.0011	.9981	.9936
1546E+6	-.0792	-.7990	16.7	329.38	985.1	235.3	.0000	.0000	.0011	.9981	.9936
1536E+6	-.0766	-.7906	16.7	329.39	985.1	235.3	.0000	.0000	.0011	.9981	.9936
1526E+6	-.0774	-.7823	16.7	329.39	985.1	235.4	.0000	.0000	.0011	.9982	.9937
1516E+6	-.0763	-.7742	16.7	329.39	985.1	235.4	.0000	.0000	.0011	.9982	.9937
1506E+6	-.0748	-.7662	16.7	329.40	985.1	235.4	.0000	.0000	.0011	.9982	.9938
1496E+6	-.0724	-.7584	16.7	329.40	985.1	235.4	.0000	.0000	.0011	.9982	.9938
1486E+6	-.0717	-.7507	16.7	329.41	985.1	235.4	.0000	.0000	.0011	.9982	.9938
1476E+6	-.0706	-.7431	16.7	329.41	985.1	235.4	.0000	.0000	.0011	.9982	.9939
1466E+6	-.0687	-.7356	16.7	329.41	985.0	235.4	.0000	.0000	.0011	.9982	.9939
1456E+6	-.0674	-.7282	16.7	329.42	985.0	235.5	.0000	.0000	.0012	.9982	.9940
1446E+6	-.0666	-.7209	16.7	329.42	985.0	235.5	.0000	.0000	.0012	.9982	.9940
1436E+6	-.0647	-.7137	16.7	329.43	985.0	235.5	.0000	.0000	.0012	.9983	.9941
1426E+6	-.0639	-.7067	16.7	329.43	985.0	235.5	.0000	.0000	.0012	.9983	.9941
1416E+6	-.0621	-.6998	16.7	329.43	985.0	235.5	.0000	.0000	.0012	.9983	.9941
1406E+6	-.0611	-.6929	16.7	329.44	985.0	235.6	.0000	.0000	.0012	.9983	.9942
1396E+6	-.0596	-.6861	16.7	329.44	985.0	235.6	.0000	.0000	.0012	.9983	.9942
1386E+6	-.0584	-.6795	16.7	329.45	985.0	235.6	.0000	.0000	.0012	.9983	.9943
1376E+6	-.0572	-.6729	16.7	329.45	985.0	235.6	.0000	.0000	.0012	.9983	.9943
1366E+6	-.0561	-.6664	16.8	329.45	985.0	235.6	.0000	.0000	.0012	.9983	.9943
1356E+6	-.0549	-.6600	16.8	329.46	985.0	235.6	.0000	.0000	.0012	.9984	.9944
1346E+6	-.0538	-.6537	16.8	329.46	985.0	235.7	.0000	.0000	.0013	.9984	.9944
1336E+6	-.0528	-.6474	16.8	329.47	985.0	235.7	.0000	.0000	.0013	.9984	.9944
1326E+6	-.0517	-.6413	16.8	329.47	985.0	235.7	.0000	.0000	.0013	.9984	.9945
1316E+6	-.0507	-.6352	16.8	329.47	985.0	235.7	.0000	.0000	.0013	.9984	.9945
1306E+6	-.0496	-.6292	16.8	329.48	985.0	235.7	.0000	.0000	.0013	.9984	.9946
1296E+6	-.0486	-.6232	16.8	329.48	985.0	235.7	.0000	.0000	.0013	.9984	.9946
1286E+6	-.0477	-.6174	16.8	329.49	985.0	235.8	.0000	.0000	.0013	.9984	.9946
1276E+6	-.0467	-.6116	16.8	329.49	985.0	235.8	.0000	.0000	.0013	.9985	.9947
1266E+6	-.0458	-.6059	16.8	329.49	985.0	235.8	.0000	.0000	.0013	.9985	.9947
1256E+6	-.0448	-.6002	16.8	329.50	985.0	235.8	.0000	.0000	.0013	.9985	.9948
1246E+6	-.0439	-.5946	16.8	329.50	985.0	235.8	.0000	.0000	.0013	.9985	.9948
1236E+6	-.0431	-.5890	16.8	329.51	985.0	235.8	.0000	.0000	.0014	.9985	.9949
1226E+6	-.0422	-.5835	16.8	329.51	985.0	235.8	.0000	.0000	.0014	.9985	.9949
1216E+6	-.0413	-.5780	16.8	329.51	985.0	235.9	.0000	.0000	.0014	.9985	.9949

TABLE 2. SUBCOOLED CRITICAL STATE PROPERTIES

(TC 330 K)

PC KPA	XC	AC	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
1200.46	+.0942	+.5720	15.8	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
1190.11	+.0947	+.5679	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
1180.46	+.0949	+.5644	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
1170.46	+.0951	+.5608	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
1160.46	+.0953	+.5572	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
1150.46	+.0955	+.5537	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
1140.46	+.0957	+.5501	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
1130.46	+.0959	+.5466	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
1120.46	+.0961	+.5430	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
1110.46	+.0963	+.5395	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
1100.46	+.0965	+.5359	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
1090.46	+.0967	+.5324	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
1080.46	+.0969	+.5288	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
1070.46	+.0971	+.5253	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
1060.46	+.0973	+.5217	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
1050.46	+.0975	+.5182	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
1040.46	+.0977	+.5146	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
1030.46	+.0979	+.5111	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
1020.46	+.0981	+.5075	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
1010.46	+.0983	+.5040	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
1000.46	+.0985	+.5004	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
990.46	+.0987	+.4969	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
980.46	+.0989	+.4933	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
970.46	+.0991	+.4898	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
960.46	+.0993	+.4862	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
950.46	+.0995	+.4827	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
940.46	+.0997	+.4791	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
930.46	+.0999	+.4756	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
920.46	+.1001	+.4720	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
910.46	+.1003	+.4685	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
900.46	+.1005	+.4649	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
890.46	+.1007	+.4614	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
880.46	+.1009	+.4578	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
870.46	+.1011	+.4543	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
860.46	+.1013	+.4507	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
850.46	+.1015	+.4472	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
840.46	+.1017	+.4436	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
830.46	+.1019	+.4401	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
820.46	+.1021	+.4365	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
810.46	+.1023	+.4330	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
800.46	+.1025	+.4294	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
790.46	+.1027	+.4259	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
780.46	+.1029	+.4223	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
770.46	+.1031	+.4188	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
760.46	+.1033	+.4152	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
750.46	+.1035	+.4117	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
740.46	+.1037	+.4081	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
730.46	+.1039	+.4046	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
720.46	+.1041	+.4010	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
710.46	+.1043	+.3975	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
700.46	+.1045	+.3939	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
690.46	+.1047	+.3904	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
680.46	+.1049	+.3868	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
670.46	+.1051	+.3833	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
660.46	+.1053	+.3797	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
650.46	+.1055	+.3762	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
640.46	+.1057	+.3726	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
630.46	+.1059	+.3691	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
620.46	+.1061	+.3655	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
610.46	+.1063	+.3620	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
600.46	+.1065	+.3584	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
590.46	+.1067	+.3549	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
580.46	+.1069	+.3513	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
570.46	+.1071	+.3478	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
560.46	+.1073	+.3442	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
550.46	+.1075	+.3407	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
540.46	+.1077	+.3371	16.0	329.12	985.6	232.9	.0000	.0000	.0014	.9985	.9950
530.46	+.1079	+.3336	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
520.46	+.1081	+.3300	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
510.46	+.1083	+.3265	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
500.46	+.1085	+.3229	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
490.46	+.1087	+.3194	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
480.46	+.1089	+.3158	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
470.46	+.1091	+.3123	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
460.46	+.1093	+.3087	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
450.46	+.1095	+.3052	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
440.46	+.1097	+.3016	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
430.46	+.1099	+.2981	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
420.46	+.1101	+.2945	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
410.46	+.1103	+.2910	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
400.46	+.1105	+.2874	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
390.46	+.1107	+.2839	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
380.46	+.1109	+.2803	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
370.46	+.1111	+.2768	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
360.46	+.1113	+.2732	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
350.46	+.1115	+.2697	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
340.46	+.1117	+.2661	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
330.46	+.1119	+.2626	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
320.46	+.1121	+.2590	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
310.46	+.1123	+.2555	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
300.46	+.1125	+.2519	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
290.46	+.1127	+.2484	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
280.46	+.1129	+.2448	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
270.46	+.1131	+.2413	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
260.46	+.1133	+.2377	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
250.46	+.1135	+.2342	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
240.46	+.1137	+.2306	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
230.46	+.1139	+.2271	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
220.46	+.1141	+.2235	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
210.46	+.1143	+.2200	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
200.46	+.1145	+.2164	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
190.46	+.1147	+.2129	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
180.46	+.1149	+.2093	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
170.46	+.1151	+.2058	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
160.46	+.1153	+.2022	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
150.46	+.1155	+.1987	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
140.46	+.1157	+.1951	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
130.46	+.1159	+.1916	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
120.46	+.1161	+.1880	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
110.46	+.1163	+.1845	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966
100.46	+.1165	+.1809	17.0	329.72	984.9	236.6	.0000	.0000	.0021	.9990	.9966

TABLE 2. SUCCESSIVE CRITICAL STATE PROPERTIES

(T= 336 K)

P1 MPa	A1	A2	P* MPa	T* K	D* KG/M3	E* KJ/KG	X*	A*	PR	TR	RR
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TABLE . SUBCOOLED CRITICAL STATE PROPERTIES

(TO 340 K)

PO KPA	XO	AO	P* KPA	T* K	D* KG/M3	H* KJ/KG	X*	A*	PR	TR	DR
22170.0	********	********	26.0	338.98	980.0	275.5	.0000	.0000	.0012	.9970	.9909
22100.0	-4.2743	-14.2622	26.0	338.98	980.0	275.5	.0000	.0000	.0012	.9970	.9909
22000.0	-1.3715	-5.7936	26.0	338.98	980.0	275.5	.0000	.0000	.0012	.9970	.9909
21900.0	-1.1167	-4.3561	26.0	338.98	980.0	275.5	.0000	.0000	.0012	.9970	.9909
21800.0	-.9020	-3.6706	26.0	338.99	980.0	275.6	.0000	.0000	.0012	.9970	.9910
21700.0	-.7707	-3.2476	26.0	339.00	980.0	275.6	.0000	.0000	.0012	.9971	.9911
21600.0	-.6798	-2.9520	26.0	339.00	980.0	275.6	.0000	.0000	.0012	.9971	.9911
21500.0	-.6118	-2.7795	26.0	339.01	980.0	275.6	.0000	.0000	.0012	.9971	.9911
21400.0	-.5586	-2.5606	26.0	339.01	980.0	275.7	.0000	.0000	.0012	.9971	.9912
21300.0	-.5153	-2.4096	26.0	339.02	980.0	275.7	.0000	.0000	.0012	.9971	.9912
21200.0	-.4791	-2.2885	26.0	339.03	980.0	275.7	.0000	.0000	.0012	.9971	.9913
21100.0	-.4483	-2.1846	26.0	339.03	980.0	275.7	.0000	.0000	.0012	.9971	.9913
21000.0	-.4217	-2.0941	26.0	339.03	980.0	275.7	.0000	.0000	.0012	.9971	.9913
20900.0	-.3983	-2.0140	26.0	339.03	980.0	275.7	.0000	.0000	.0012	.9972	.9914
20800.0	-.3776	-1.9429	26.0	339.04	980.0	275.7	.0000	.0000	.0013	.9972	.9914
20700.0	-.3590	-1.8790	26.0	339.04	980.0	275.8	.0000	.0000	.0013	.9972	.9914
20600.0	-.3422	-1.8193	26.0	339.05	980.0	275.8	.0000	.0000	.0013	.9972	.9915
20500.0	-.3269	-1.7655	26.0	339.05	980.0	275.8	.0000	.0000	.0013	.9972	.9915
20400.0	-.3128	-1.7160	26.0	339.06	980.0	275.8	.0000	.0000	.0013	.9972	.9916
20300.0	-.3001	-1.6705	26.0	339.06	980.0	275.8	.0000	.0000	.0013	.9972	.9916
20200.0	-.2882	-1.6279	26.1	339.07	980.0	275.9	.0000	.0000	.0013	.9973	.9917
20100.0	-.2772	-1.5876	26.1	339.07	980.0	275.9	.0000	.0000	.0013	.9973	.9917
20000.0	-.2670	-1.5502	26.1	339.07	980.0	275.9	.0000	.0000	.0013	.9973	.9917
19900.0	-.2574	-1.5150	26.1	339.08	980.0	275.9	.0000	.0000	.0013	.9973	.9918
19800.0	-.2484	-1.4818	26.1	339.08	980.0	275.9	.0000	.0000	.0013	.9973	.9918
19700.0	-.2399	-1.4503	26.1	339.09	980.0	276.0	.0000	.0000	.0013	.9973	.9919
19600.0	-.2320	-1.4205	26.1	339.09	980.0	276.0	.0000	.0000	.0013	.9973	.9919
19500.0	-.2245	-1.3921	26.1	339.10	980.0	276.0	.0000	.0000	.0013	.9973	.9919
19400.0	-.2173	-1.3650	26.1	339.10	979.9	276.0	.0000	.0000	.0013	.9974	.9920
19300.0	-.2106	-1.3392	26.1	339.11	979.9	276.0	.0000	.0000	.0014	.9974	.9920
19200.0	-.2042	-1.3145	26.1	339.11	979.9	276.0	.0000	.0000	.0014	.9974	.9921
19100.0	-.1981	-1.2908	26.1	339.12	979.9	276.1	.0000	.0000	.0014	.9974	.9921
19000.0	-.1923	-1.2681	26.1	339.12	979.9	276.1	.0000	.0000	.0014	.9974	.9921
18900.0	-.1867	-1.2463	26.1	339.13	979.9	276.1	.0000	.0000	.0014	.9974	.9922
18800.0	-.1814	-1.2253	26.1	339.13	979.9	276.1	.0000	.0000	.0014	.9974	.9922
18700.0	-.1764	-1.2051	26.1	339.13	979.9	276.1	.0000	.0000	.0014	.9975	.9923
18600.0	-.1715	-1.1857	26.1	339.14	979.9	276.2	.0000	.0000	.0014	.9975	.9923
18500.0	-.1668	-1.1669	26.1	339.14	979.9	276.2	.0000	.0000	.0014	.9975	.9923
18400.0	-.1624	-1.1488	26.2	339.15	979.9	276.2	.0000	.0000	.0014	.9975	.9924
18300.0	-.1581	-1.1312	26.2	339.15	979.9	276.2	.0000	.0000	.0014	.9975	.9924
18200.0	-.1540	-1.1143	26.2	339.16	979.9	276.2	.0000	.0000	.0014	.9975	.9924
18100.0	-.1500	-1.0979	26.2	339.16	979.9	276.3	.0000	.0000	.0014	.9975	.9925
18000.0	-.1462	-1.0820	26.2	339.17	979.9	276.3	.0000	.0000	.0015	.9975	.9925
17900.0	-.1425	-1.0666	26.2	339.17	979.9	276.3	.0000	.0000	.0015	.9976	.9926
17800.0	-.1389	-1.0516	26.2	339.17	979.9	276.3	.0000	.0000	.0015	.9976	.9926
17700.0	-.1355	-1.0371	26.2	339.18	979.9	276.3	.0000	.0000	.0015	.9976	.9927
17600.0	-.1322	-1.0230	26.2	339.18	979.9	276.4	.0000	.0000	.0015	.9976	.9927
17500.0	-.1290	-1.0094	26.2	339.19	979.9	276.4	.0000	.0000	.0015	.9976	.9927
17400.0	-.1259	-.9961	26.2	339.19	979.9	276.4	.0000	.0000	.0015	.9976	.9928
17300.0	-.1229	-.9831	26.2	339.20	979.9	276.4	.0000	.0000	.0014	.9976	.9928
17200.0	-.1201	-.9705	26.2	339.20	979.9	276.4	.0000	.0000	.0015	.9977	.9929
17100.0	-.1173	-.9583	26.2	339.21	979.9	276.5	.0000	.0000	.0015	.9977	.9929
17000.0	-.1146	-.9463	26.2	339.21	979.9	276.5	.0000	.0000	.0015	.9977	.9929
16900.0	-.1120	-.9347	26.2	339.22	979.9	276.5	.0000	.0000	.0016	.9977	.9930
16800.0	-.1094	-.9234	26.2	339.22	979.9	276.5	.0000	.0000	.0016	.9977	.9930
16700.0	-.1069	-.9123	26.2	339.23	979.9	276.5	.0000	.0000	.0016	.9977	.9931
16630.0	-.1046	-.9045	26.2	339.23	979.9	276.5	.0000	.0000	.0016	.9977	.9931
16500.0	-.1023	-.8913	26.2	339.23	979.9	276.6	.0000	.0000	.0016	.9977	.9931
16400.0	-.1001	-.8806	26.3	339.24	979.9	276.6	.0000	.0000	.0016	.9978	.9932
16300.0	-.0979	-.8700	26.3	339.24	979.9	276.6	.0000	.0000	.0016	.9978	.9932
16200.0	-.0958	-.8600	26.3	339.25	979.9	276.6	.0000	.0000	.0016	.9978	.9933
16100.0	-.0937	-.8503	26.3	339.25	979.9	276.6	.0000	.0000	.0016	.9978	.9933
16000.0	-.0917	-.8408	26.3	339.26	979.9	276.7	.0000	.0000	.0016	.9978	.9933
15900.0	-.0897	-.8315	26.3	339.26	979.9	276.7	.0000	.0000	.0017	.9978	.9934
15800.0	-.0878	-.8223	26.3	339.27	979.9	276.7	.0000	.0000	.0017	.9978	.9934
15700.0	-.0860	-.8134	26.3	339.27	979.9	276.7	.0000	.0000	.0017	.9979	.9935
15600.0	-.0841	-.8046	26.3	339.28	979.9	276.7	.0000	.0000	.0017	.9979	.9935
15500.0	-.0824	-.7960	26.3	339.28	979.8	276.8	.0000	.0000	.0017	.9979	.9935
15400.0	-.0806	-.7876	26.3	339.28	979.8	276.8	.0000	.0000	.0017	.9979	.9936
15300.0	-.0790	-.7793	26.3	339.29	979.8	276.8	.0000	.0000	.0017	.9979	.9936
15200.0	-.0773	-.7712	26.3	339.29	979.8	276.8	.0000	.0000	.0017	.9979	.9937
15100.0	-.0757	-.7633	26.3	339.30	979.8	276.9	.0000	.0000	.0017	.9979	.9937
15000.0	-.0741	-.7555	26.3	339.30	979.8	276.9	.0000	.0000	.0018	.9979	.9937
14900.0	-.0726	-.7481	26.3	339.31	979.8	276.9	.0000	.0000	.0018	.9980	.9938
14800.0	-.0711	-.7404	26.3	339.31	979.8	276.9	.0000	.0000	.0018	.9980	.9938
14700.0	-.0697	-.7329	26.3	339.32	979.8	276.9	.0000	.0000	.0018	.9980	.9939
14600.0	-.0682	-.7254	26.3	339.32	979.8	276.9	.0000	.0000	.0018	.9980	.9939
14500.0	-.0668	-.7181	26.4	339.33	979.8	276.9	.0000	.0000	.0018	.9980	.9940
14400.0	-.0655	-.7109	26.4	339.33	979.8	277.0	.0000	.0000	.0018	.9980	.9940
14300.0	-.0641	-.7038	26.4	339.33	979.8	277.0	.0000	.0000	.0018	.9980	.9940
14200.0	-.0628	-.6968	26.4	339.34	979.8	277.0	.0000	.0000	.0019	.9981	.9941
14100.0	-.0615	-.6899	26.4	339.34	979.8	277.0	.0000	.0000	.0019	.9981	.9941
14000.0	-.0603	-.6831	26.4	339.35	979.8	277.0	.0000	.0000	.0019	.9981	.9942
13900.0	-.0591	-.6764	26.4	339.35	979.8	277.1	.0000	.0000	.0019	.9981	.9942
13800.0	-.0579	-.6698	26.4	339.36	979.8	277.1	.0000	.0000	.0019	.9981	.9942
13700.0	-.0567	-.6633	26.4	339.36	979.8	277.1	.0000	.0000	.0019	.9981	.9943
13600.0	-.0556	-.6568	26.4	339.37	979.8	277.1	.0000	.0000	.0019	.9981	.9943
13500.0	-.0544	-.6504	26.4	339.37	979.8	277.1	.0000	.0000	.0020	.9982	.9944
13400.0	-.0533	-.6442	26.4	339.38	979.8	277.2	.0000	.0000	.0020	.9982	.9944
13300.0	-.0523	-.6380	26.4	339.38	979.8	277.2	.0000	.0000	.0020	.9982	.9944
13200.0	-.0512	-.6319	26.4	339.39	979.8	277.2	.0000	.0000	.0020	.9982	.9945
13100.0	-.0502	-.6258	26.4	339.39	979.8	277.2	.0000	.0000	.0020	.9982	.9945
13000.0	-.0492	-.6198	26.4	339.39	979.8	277.3	.0000	.0000	.0020	.9982	.9946
12900.0	-.0482	-.6139	26.4	339.40	979.8	277.3	.0000	.0000	.0020	.9982	.9946
12800.0	-.0472	-.6081	26.4	339.40	979.8	277.3	.0000	.0000	.0021	.9983	.9946
12700.0	-.0462	-.6023	26.5	339.41	979.8	277.3	.0000	.0000	.0021	.9983	.9947
12600.0	-.0453	-.5966	26.5	339.41	979.8	277.3	.0000	.0000	.0021	.9983	.9947
12500.0	-.0444	-.5910	26.5	339.42	979.8	277.3	.0000	.0000	.0021	.9983	.9948
12400.0	-.0435	-.5854	26.5	339.42	979.8	277.4	.0000	.0000	.0021	.9983	.9948
12300.0	-.0426	-.5799	26.5	339.43	979.8	277.4	.0000	.0000	.0021	.9983	.9948
12200.0	-.0418	-.5744	26.5	339.43	979.8	277.4	.0000	.0000	.0022	.9983	.9949
12100.0	-.0409	-.5690	26.5	339.44	979.8	277.4	.0000	.0000	.0022	.9983	.9949

TABLE 2. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 340 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
12000.0	-.0401	-.5637	26.5	339.44	979.8	277.4	.0000	.0000	.0022	.9984	.9950
11900.0	-.0393	-.5584	26.5	339.45	979.8	277.4	.0000	.0000	.0022	.9984	.9950
11800.0	-.0385	-.5531	26.5	339.45	979.8	277.5	.0000	.0000	.0022	.9984	.9951
11700.0	-.0377	-.5480	26.5	339.45	979.8	277.5	.0000	.0000	.0023	.9984	.9951
11600.0	-.0369	-.5429	26.5	339.46	979.8	277.5	.0000	.0000	.0023	.9984	.9951
11500.0	-.0361	-.5377	26.5	339.46	979.7	277.5	.0000	.0000	.0023	.9984	.9952
11400.0	-.0354	-.5327	26.5	339.47	979.7	277.5	.0000	.0000	.0023	.9984	.9952
11300.0	-.0347	-.5277	26.5	339.47	979.7	277.6	.0000	.0000	.0023	.9984	.9953
11200.0	-.0340	-.5228	26.5	339.48	979.7	277.6	.0000	.0000	.0024	.9985	.9953
11100.0	-.0333	-.5179	26.5	339.48	979.7	277.6	.0000	.0000	.0024	.9985	.9953
11000.0	-.0326	-.5130	26.5	339.49	979.7	277.6	.0000	.0000	.0024	.9985	.9954
10900.0	-.0319	-.5082	26.5	339.49	979.7	277.6	.0000	.0000	.0024	.9985	.9954
10800.0	-.0312	-.5034	26.6	339.50	979.7	277.7	.0000	.0000	.0025	.9985	.9955
10700.0	-.0306	-.4987	26.6	339.50	979.7	277.7	.0000	.0000	.0025	.9985	.9955
10600.0	-.0299	-.4940	26.6	339.51	979.7	277.7	.0000	.0000	.0025	.9985	.9956
10500.0	-.0293	-.4894	26.6	339.51	979.7	277.7	.0000	.0000	.0025	.9986	.9956
10400.0	-.0287	-.4848	26.6	339.51	979.7	277.7	.0000	.0000	.0026	.9986	.9956
10300.0	-.0281	-.4802	26.6	339.52	979.7	277.8	.0000	.0000	.0026	.9986	.9957
10200.0	-.0275	-.4756	26.6	339.52	979.7	277.8	.0000	.0000	.0026	.9986	.9957
10100.0	-.0269	-.4711	26.6	339.53	979.7	277.8	.0000	.0000	.0026	.9986	.9958
10000.0	-.0263	-.4667	26.6	339.53	979.7	277.8	.0000	.0000	.0027	.9986	.9958
9900.0	-.0257	-.4622	26.6	339.54	979.7	277.8	.0000	.0000	.0027	.9986	.9958
9800.0	-.0252	-.4578	26.6	339.54	979.7	277.9	.0000	.0000	.0027	.9987	.9959
9700.0	-.0246	-.4534	26.6	339.55	979.7	277.9	.0000	.0000	.0027	.9987	.9959
9600.0	-.0241	-.4491	26.6	339.55	979.7	277.9	.0000	.0000	.0028	.9987	.9960
9500.0	-.0235	-.4448	26.6	339.56	979.7	277.9	.0000	.0000	.0028	.9987	.9960
9400.0	-.0230	-.4405	26.6	339.56	979.7	277.9	.0000	.0000	.0028	.9987	.9960
9300.0	-.0224	-.4362	26.6	339.57	979.7	278.0	.0000	.0000	.0029	.9987	.9961
9200.0	-.0220	-.4320	26.6	339.57	979.7	278.0	.0000	.0000	.0029	.9987	.9961
9100.0	-.0215	-.4278	26.6	339.57	979.7	278.0	.0000	.0000	.0029	.9987	.9962
9000.0	-.0210	-.4236	26.7	339.58	979.7	278.0	.0000	.0000	.0030	.9988	.9962
8900.0	-.0205	-.4195	26.7	339.58	979.7	278.0	.0000	.0000	.0030	.9988	.9963
8800.0	-.0201	-.4154	26.7	339.59	979.7	278.1	.0000	.0000	.0030	.9988	.9963
8700.0	-.0196	-.4113	26.7	339.59	979.7	278.1	.0000	.0000	.0031	.9988	.9963
8600.0	-.0191	-.4072	26.7	339.60	979.7	278.1	.0000	.0000	.0031	.9988	.9964
8500.0	-.0187	-.4032	26.7	339.60	979.7	278.1	.0000	.0000	.0031	.9988	.9964
8400.0	-.0183	-.3991	26.7	339.61	979.7	278.1	.0000	.0000	.0032	.9988	.9965
8300.0	-.0178	-.3951	26.7	339.61	979.7	278.2	.0000	.0000	.0032	.9989	.9965
8200.0	-.0174	-.3912	26.7	339.62	979.7	278.2	.0000	.0000	.0033	.9989	.9965
8100.0	-.0170	-.3872	26.7	339.62	979.7	278.2	.0000	.0000	.0033	.9989	.9966
8000.0	-.0166	-.3832	26.7	339.63	979.7	278.2	.0000	.0000	.0033	.9989	.9966
7900.0	-.0162	-.3793	26.7	339.63	979.7	278.2	.0000	.0000	.0034	.9989	.9967
7800.0	-.0158	-.3754	26.7	339.64	979.7	278.3	.0000	.0000	.0034	.9989	.9967
7700.0	-.0154	-.3715	26.7	339.64	979.6	278.3	.0000	.0000	.0035	.9989	.9968
7600.0	-.0150	-.3676	26.7	339.65	979.6	278.3	.0000	.0000	.0035	.9990	.9968
7500.0	-.0146	-.3638	26.7	339.65	979.6	278.3	.0000	.0000	.0036	.9990	.9968
7400.0	-.0142	-.3599	26.7	339.65	979.6	278.3	.0000	.0000	.0036	.9990	.9969
7300.0	-.0139	-.3561	26.7	339.66	979.6	278.3	.0000	.0000	.0037	.9990	.9969
7200.0	-.0135	-.3523	26.8	339.66	979.6	278.4	.0000	.0000	.0037	.9990	.9970
7100.0	-.0132	-.3485	26.8	339.67	979.6	278.4	.0000	.0000	.0038	.9990	.9970
7000.0	-.0128	-.3447	26.8	339.67	979.6	278.4	.0000	.0000	.0038	.9990	.9970
6900.0	-.0125	-.3410	26.8	339.68	979.6	278.4	.0000	.0000	.0039	.9991	.9971
6800.0	-.0121	-.3372	26.8	339.68	979.6	278.4	.0000	.0000	.0039	.9991	.9971
6700.0	-.0118	-.3335	26.8	339.69	979.6	278.5	.0000	.0000	.0040	.9991	.9971
6600.0	-.0114	-.3297	26.8	339.69	979.6	278.5	.0000	.0000	.0041	.9991	.9972
6500.0	-.0112	-.3260	26.8	339.70	979.6	278.5	.0000	.0000	.0041	.9991	.9973
6400.0	-.0109	-.3223	26.8	339.70	979.6	278.5	.0000	.0000	.0042	.9991	.9973
6300.0	-.0105	-.3186	26.8	339.71	979.6	278.5	.0000	.0000	.0043	.9991	.9973
6200.0	-.0102	-.3149	26.8	339.71	979.6	278.6	.0000	.0000	.0043	.9991	.9974
6100.0	-.0099	-.3112	26.9	339.71	979.6	278.6	.0000	.0000	.0044	.9992	.9974
6000.0	-.0097	-.3076	26.8	339.72	979.6	278.6	.0000	.0000	.0044	.9992	.9974
5900.0	-.0094	-.3039	26.8	339.73	979.6	278.6	.0000	.0000	.0045	.9992	.9975
5800.0	-.0091	-.3002	26.8	339.73	979.6	278.6	.0000	.0000	.0046	.9992	.9975
5700.0	-.0088	-.2966	26.8	339.73	979.6	278.7	.0000	.0000	.0047	.9992	.9976
5600.0	-.0085	-.2929	26.9	339.74	979.6	278.7	.0000	.0000	.0048	.9992	.9976
5500.0	-.0083	-.2893	26.9	339.74	979.6	278.7	.0000	.0000	.0049	.9992	.9977
5400.0	-.0080	-.2856	26.9	339.75	979.6	278.7	.0000	.0000	.0050	.9993	.9977
5300.0	-.0077	-.2820	26.9	339.75	979.6	278.7	.0000	.0000	.0051	.9993	.9978
5200.0	-.0075	-.2784	26.9	339.76	979.6	278.8	.0000	.0000	.0052	.9993	.9978
5100.0	-.0072	-.2747	26.9	339.76	979.6	278.8	.0000	.0000	.0053	.9993	.9978
5000.0	-.0070	-.2711	26.9	339.77	979.6	278.8	.0000	.0000	.0054	.9993	.9979
4900.0	-.0068	-.2674	26.9	339.77	979.6	278.8	.0000	.0000	.0055	.9993	.9979
4800.0	-.0065	-.2638	26.9	339.78	979.6	278.8	.0000	.0000	.0056	.9993	.9980
4700.0	-.0063	-.2601	26.9	339.78	979.6	278.9	.0000	.0000	.0057	.9994	.9980
4600.0	-.0061	-.2565	26.9	339.78	979.6	278.9	.0000	.0000	.0058	.9994	.9981
4500.0	-.0058	-.2528	26.9	339.79	979.6	278.9	.0000	.0000	.0060	.9994	.9981
4400.0	-.0056	-.2492	26.9	339.79	979.6	278.9	.0000	.0000	.0061	.9994	.9981
4300.0	-.0054	-.2455	26.9	339.80	979.6	278.9	.0000	.0000	.0062	.9994	.9982
4200.0	-.0052	-.2418	26.9	339.80	979.6	279.0	.0000	.0000	.0064	.9994	.9982
4100.0	-.0050	-.2381	26.9	339.81	979.6	279.0	.0000	.0000	.0066	.9994	.9983
4000.0	-.0048	-.2344	26.9	339.81	979.6	279.0	.0000	.0000	.0067	.9994	.9983
3900.0	-.0046	-.2307	26.9	339.82	979.6	279.0	.0000	.0000	.0069	.9995	.9983
3800.0	-.0044	-.2270	26.9	339.82	979.5	279.0	.0000	.0000	.0071	.9995	.9984
3700.0	-.0042	-.2233	26.9	339.83	979.5	279.0	.0000	.0000	.0073	.9995	.9984
3600.0	-.0040	-.2195	27.0	339.83	979.5	279.1	.0000	.0000	.0075	.9995	.9985
3500.0	-.0039	-.2157	27.0	339.84	979.5	279.1	.0000	.0000	.0077	.9995	.9985
3400.0	-.0037	-.2120	27.0	339.84	979.5	279.1	.0000	.0000	.0079	.9995	.9986
3300.0	-.0035	-.2081	27.0	339.85	979.5	279.1	.0000	.0000	.0082	.9995	.9986
3200.0	-.0033	-.2043	27.0	339.85	979.5	279.1	.0000	.0000	.0084	.9996	.9986
3100.0	-.0032	-.2004	27.0	339.86	979.5	279.2	.0000	.0000	.0087	.9996	.9987
3000.0	-.0030	-.1965	27.0	339.86	979.5	279.2	.0000	.0000	.0090	.9996	.9987
2900.0	-.0028	-.1926	27.0	339.86	979.5	279.2	.0000	.0000	.0093	.9996	.9988
2800.0	-.0027	-.1887	27.0	339.87	979.5	279.2	.0000	.0000	.0096	.9996	.9988
2700.0	-.0025	-.1847	27.0	339.87	979.5	279.3	.0000	.0000	.0100	.9996	.9989
2600.0	-.0024	-.1806	27.0	339.88	979.5	279.3	.0000	.0000	.0104	.9996	.9989
2500.0	-.0023	-.1765	27.0	339.88	979.5	279.3	.0000	.0000	.0108	.9997	.9989
2400.0	-.0021	-.1724	27.0	339.89	979.5	279.3	.0000	.0000	.0113	.9997	.9990
2300.0	-.0020	-.1682	27.0	339.89	979.5	279.3	.0000	.0000	.0117	.9997	.9990
2200.0	-.0018	-.1640	27.0	339.90	979.5	279.3	.0000	.0000	.0123	.9997	.9991
2100.0	-.0017	-.1597	27.0	339.90	979.5	279.4	.0000	.0000	.0129	.9997	.9991

TABLE 2. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 340 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
2000.0	-.0016	-.1553	27.0	339.91	979.5	279.4	.0000	.0000	.0135	.9997	.9992
1900.0	-.0015	-.1508	27.0	339.91	979.5	279.4	.0000	.0000	.0142	.9997	.9992
1800.0	-.0014	-.1463	27.1	339.92	979.5	279.4	.0000	.0000	.0150	.9998	.9992
1700.0	-.0012	-.1417	27.1	339.92	979.5	279.4	.0000	.0000	.0159	.9998	.9993
1600.0	-.0011	-.1369	27.1	339.93	979.5	279.5	.0000	.0000	.0169	.9998	.9993
1500.0	-.0010	-.1321	27.1	339.93	979.5	279.5	.0000	.0000	.0180	.9998	.9994
1400.0	-.0009	-.1271	27.1	339.94	979.5	279.5	.0000	.0000	.0193	.9998	.9994
1300.0	-.0008	-.1219	27.1	339.94	979.5	279.5	.0000	.0000	.0208	.9998	.9995
1200.0	-.0007	-.1166	27.1	339.94	979.5	279.5	.0000	.0000	.0226	.9998	.9995
1100.0	-.0006	-.1111	27.1	339.95	979.5	279.6	.0000	.0000	.0246	.9999	.9995
1000.0	-.0006	-.1053	27.1	339.95	979.5	279.6	.0000	.0000	.0271	.9999	.9996
900.0	-.0005	-.0993	27.1	339.96	979.5	279.6	.0000	.0000	.0301	.9999	.9996
800.0	-.0004	-.0929	27.1	339.96	979.5	279.6	.0000	.0000	.0339	.9999	.9997
700.0	-.0003	-.0861	27.1	339.97	979.5	279.6	.0000	.0000	.0387	.9999	.9997
600.0	-.0003	-.0788	27.1	339.97	979.5	279.7	.0000	.0000	.0452	.9999	.9998
500.0	-.0002	-.0708	27.1	339.98	979.5	279.7	.0000	.0000	.0543	.9999	.9998
400.0	-.0001	-.0619	27.1	339.98	979.5	279.7	.0000	.0000	.0678	.9999	.9998
300.0	-.0001	-.0517	27.1	339.99	979.5	279.7	.0000	.0000	.0905	1.0000	.9999
200.0	-.0000	-.0392	27.1	339.99	979.5	279.7	.0000	.0000	.1357	1.0000	.9999
100.0	-.0000	-.0220	27.1	340.00	979.5	279.8	.0000	.0000	.2715	1.0000	1.0000

TABLE . c SUBCOOLED CRITICAL STATE PROPERTIES

(TO 350 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
22120.0	*******	********	39.7	348.84	974.3	316.8	.0000	.0000	.0018	.9967	.9908
22100.0	-4.2612	-14.1364	39.7	348.84	974.3	316.8	.0000	.0000	.0018	.9967	.9908
22000.0	-1.7659	-5.7395	39.7	348.85	974.3	316.9	.0000	.0000	.0018	.9967	.9909
21900.0	-1.1124	-4.3145	39.7	348.85	974.3	316.9	.0000	.0000	.0018	.9967	.9909
21800.0	-.8084	-3.5340	39.7	348.86	974.3	316.9	.0000	.0000	.0018	.9967	.9910
21700.0	-.6275	-3.0155	39.7	348.86	974.3	316.9	.0000	.0000	.0018	.9967	.9910
21600.0	-.4969	-2.6223	39.7	348.87	974.3	316.9	.0000	.0000	.0019	.9968	.9910
21500.0	-.3991	-2.3017	39.7	348.87	974.3	317.0	.0000	.0000	.0019	.9968	.9911
21400.0	-.3260	-2.0373	39.7	348.88	974.3	317.0	.0000	.0000	.0019	.9968	.9911
21300.0	-.2629	-1.8145	39.7	348.88	974.3	317.0	.0000	.0000	.0019	.9968	.9912
21200.0	-.2168	-1.6245	39.8	348.89	974.3	317.0	.0000	.0000	.0019	.9968	.9912
21100.0	-.1762	-1.4615	39.8	348.89	974.3	317.1	.0000	.0000	.0019	.9968	.9912
21000.0	-.1496	-1.3217	39.8	348.90	974.3	317.1	.0000	.0000	.0019	.9969	.9913
20900.0	-.1263	-1.1991	39.8	348.90	974.3	317.1	.0000	.0000	.0019	.9969	.9913
20800.0	-.1056	-1.0914	39.8	348.91	974.3	317.1	.0000	.0000	.0019	.9969	.9914
20700.0	-.0871	-1.0574	39.8	348.91	974.3	317.1	.0000	.0000	.0019	.9969	.9914
20600.0	-.0704	-1.0992	39.8	348.92	974.2	317.2	.0000	.0000	.0019	.9969	.9914
20500.0	-.0552	-1.0459	39.8	348.92	974.2	317.2	.0000	.0000	.0019	.9969	.9915
20400.0	-.0412	-1.0968	39.8	348.93	974.2	317.2	.0000	.0000	.0020	.9969	.9915
20300.0	-.0284	-1.0513	39.8	348.93	974.2	317.2	.0000	.0000	.0020	.9970	.9916
20200.0	-.0166	-1.0090	39.8	348.94	974.2	317.2	.0000	.0000	.0020	.9970	.9916
20100.0	-.0056	-1.0695	39.8	348.94	974.2	317.3	.0000	.0000	.0020	.9970	.9916
20000.0	-.0054	-1.0324	39.9	348.95	974.2	317.3	.0000	.0000	.0020	.9970	.9917
19900.0	-.0159	-1.0975	39.9	348.95	974.2	317.3	.0000	.0000	.0020	.9970	.9917
19800.0	-.0259	-1.0645	39.9	348.96	974.2	317.3	.0000	.0000	.0020	.9970	.9918
19700.0	-.0355	-1.0333	39.9	348.96	974.2	317.4	.0000	.0000	.0020	.9970	.9918
19600.0	-.0446	-1.0037	39.9	348.97	974.2	317.4	.0000	.0000	.0020	.9971	.9918
19500.0	-.0534	-1.0756	39.9	348.98	974.2	317.4	.0000	.0000	.0020	.9971	.9919
19400.0	-.0618	-1.0487	39.9	348.98	974.2	317.4	.0000	.0000	.0021	.9971	.9919
19300.0	-.0699	-1.0231	39.9	348.99	974.2	317.4	.0000	.0000	.0021	.9971	.9920
19200.0	-.0778	-1.0986	39.9	348.99	974.2	317.5	.0000	.0000	.0021	.9971	.9920
19100.0	-.0854	-1.0751	39.9	349.00	974.2	317.5	.0000	.0000	.0021	.9971	.9920
19000.0	-.0928	-1.0526	39.9	349.00	974.2	317.5	.0000	.0000	.0021	.9971	.9921
18900.0	-.0999	-1.0310	40.0	349.01	974.2	317.5	.0000	.0000	.0021	.9971	.9921
18800.0	-.1069	-1.0102	40.0	349.01	974.2	317.5	.0000	.0000	.0021	.9972	.9922
18700.0	-.1137	-1.1902	40.0	349.02	974.2	317.6	.0000	.0000	.0021	.9972	.9922
18600.0	-.1203	-1.1708	40.0	349.02	974.2	317.6	.0000	.0000	.0021	.9972	.9922
18500.0	-.1267	-1.1522	40.0	349.03	974.2	317.6	.0000	.0000	.0022	.9972	.9923
18400.0	-.1329	-1.1342	40.0	349.03	974.2	317.6	.0000	.0000	.0022	.9972	.9923
18300.0	-.1390	-1.1168	40.0	349.04	974.2	317.7	.0000	.0000	.0022	.9972	.9924
18200.0	-.1449	-1.1000	40.0	349.04	974.2	317.7	.0000	.0000	.0022	.9973	.9924
18100.0	-.1507	-1.0838	40.0	349.05	974.2	317.7	.0000	.0000	.0022	.9973	.9924
18000.0	-.1563	-1.0680	40.0	349.05	974.2	317.7	.0000	.0000	.0022	.9973	.9925
17900.0	-.1618	-1.0527	40.0	349.06	974.2	317.7	.0000	.0000	.0022	.9973	.9925
17800.0	-.1672	-1.0379	40.0	349.06	974.2	317.8	.0000	.0000	.0023	.9973	.9926
17700.0	-.1725	-1.0235	40.1	349.07	974.2	317.8	.0000	.0000	.0023	.9973	.9926
17600.0	-.1777	-1.0095	40.1	349.07	974.2	317.8	.0000	.0000	.0023	.9974	.9926
17500.0	-.1780	-.9960	40.1	349.08	974.2	317.8	.0000	.0000	.0023	.9974	.9927
17400.0	-.1880	-.9828	40.1	349.08	974.1	317.9	.0000	.0000	.0023	.9974	.9927
17300.0	-.1930	-.9699	40.1	349.09	974.1	317.9	.0000	.0000	.0023	.9974	.9928
17200.0	-.1981	-.9575	40.1	349.09	974.1	317.9	.0000	.0000	.0023	.9974	.9928
17100.0	-.2031	-.9453	40.1	349.10	974.1	317.9	.0000	.0000	.0023	.9974	.9928
17000.0	-.1137	-.9335	40.1	349.10	974.1	317.9	.0000	.0000	.0024	.9974	.9929
16900.0	-.1141	-.9219	40.1	349.11	974.1	318.0	.0000	.0000	.0024	.9975	.9929
16800.0	-.1085	-.9107	40.1	349.11	974.1	318.0	.0000	.0000	.0024	.9975	.9930
16700.0	-.1041	-.8997	40.1	349.12	974.1	318.0	.0000	.0000	.0024	.9975	.9930
16600.0	-.1037	-.8890	40.1	349.12	974.1	318.0	.0000	.0000	.0024	.9975	.9930
16500.0	-.1015	-.8789	40.2	349.13	974.1	318.0	.0000	.0000	.0024	.9975	.9931
16400.0	-.0993	-.8686	40.2	349.14	974.1	318.1	.0000	.0000	.0024	.9975	.9931
16300.0	-.0971	-.8586	40.2	349.14	974.1	318.1	.0000	.0000	.0025	.9975	.9932
16200.0	-.0950	-.8488	40.2	349.15	974.1	318.1	.0000	.0000	.0025	.9976	.9932
16100.0	-.0929	-.8392	40.2	349.15	974.1	318.1	.0000	.0000	.0025	.9976	.9933
16000.0	-.0909	-.8297	40.2	349.16	974.1	318.2	.0000	.0000	.0025	.9976	.9933
15900.0	-.0890	-.8205	40.2	349.16	974.1	318.2	.0000	.0000	.0025	.9976	.9933
15800.0	-.0871	-.8114	40.2	349.17	974.1	318.2	.0000	.0000	.0025	.9976	.9934
15700.0	-.0852	-.8025	40.2	349.17	974.1	318.2	.0000	.0000	.0026	.9976	.9934
15600.0	-.0834	-.7938	40.2	349.18	974.1	318.2	.0000	.0000	.0026	.9976	.9935
15500.0	-.0816	-.7852	40.2	349.18	974.1	318.3	.0000	.0000	.0026	.9977	.9935
15400.0	-.0799	-.7768	40.3	349.19	974.1	318.3	.0000	.0000	.0026	.9977	.9935
15300.0	-.0782	-.7685	40.3	349.19	974.1	318.3	.0000	.0000	.0026	.9977	.9936
15200.0	-.0766	-.7604	40.3	349.20	974.1	318.3	.0000	.0000	.0026	.9977	.9936
15100.0	-.0750	-.7524	40.3	349.20	974.1	318.4	.0000	.0000	.0027	.9977	.9937
15000.0	-.0735	-.7445	40.3	349.21	974.1	318.4	.0000	.0000	.0027	.9977	.9937
14900.0	-.0719	-.7368	40.3	349.21	974.1	318.4	.0000	.0000	.0027	.9978	.9937
14800.0	-.0704	-.7292	40.3	349.22	974.1	318.4	.0000	.0000	.0027	.9978	.9938
14700.0	-.0690	-.7217	40.3	349.22	974.1	318.4	.0000	.0000	.0027	.9978	.9938
14600.0	-.0676	-.7143	40.3	349.23	974.1	318.5	.0000	.0000	.0028	.9978	.9939
14500.0	-.0662	-.7071	40.3	349.23	974.1	318.5	.0000	.0000	.0028	.9978	.9939
14400.0	-.0648	-.6999	40.3	349.24	974.1	318.5	.0000	.0000	.0028	.9978	.9939
14300.0	-.0635	-.6929	40.3	349.24	974.0	318.5	.0000	.0000	.0028	.9978	.9940
14200.0	-.0622	-.6859	40.4	349.25	974.0	318.5	.0000	.0000	.0028	.9979	.9940
14100.0	-.0609	-.6791	40.4	349.25	974.0	318.6	.0000	.0000	.0029	.9979	.9941
14000.0	-.0597	-.6723	40.4	349.26	974.0	318.6	.0000	.0000	.0029	.9979	.9941
13900.0	-.0585	-.6657	40.4	349.27	974.0	318.6	.0000	.0000	.0029	.9979	.9942
13800.0	-.0573	-.6591	40.4	349.27	974.0	318.6	.0000	.0000	.0029	.9979	.9942
13700.0	-.0561	-.6526	40.4	349.28	974.0	318.7	.0000	.0000	.0029	.9979	.9942
13600.0	-.0550	-.6462	40.4	349.28	974.0	318.7	.0000	.0000	.0030	.9979	.9943
13500.0	-.0539	-.6399	40.4	349.29	974.0	318.7	.0000	.0000	.0030	.9980	.9943
13400.0	-.0528	-.6337	40.4	349.29	974.0	318.7	.0000	.0000	.0030	.9980	.9944
13300.0	-.0517	-.6276	40.4	349.30	974.0	318.7	.0000	.0000	.0030	.9980	.9944
13200.0	-.0507	-.6216	40.4	349.30	974.0	318.8	.0000	.0000	.0031	.9980	.9944
13100.0	-.0496	-.6156	40.5	349.31	974.0	318.8	.0000	.0000	.0031	.9980	.9945
13000.0	-.0486	-.6095	40.5	349.31	974.0	318.8	.0000	.0000	.0031	.9980	.9945
12900.0	-.0476	-.6037	40.5	349.32	974.0	318.8	.0000	.0000	.0031	.9980	.9946
12800.0	-.0467	-.5979	40.5	349.32	974.0	318.9	.0000	.0000	.0032	.9981	.9946
12700.0	-.0457	-.5921	40.5	349.33	974.0	318.9	.0000	.0000	.0032	.9981	.9946
12600.0	-.0448	-.5865	40.5	349.33	974.0	318.9	.0000	.0000	.0032	.9981	.9947
12500.0	-.0439	-.5809	40.5	349.34	974.0	318.9	.0000	.0000	.0032	.9981	.9947
12400.0	-.0430	-.5754	40.5	349.34	974.0	318.9	.0000	.0000	.0033	.9981	.9948
12300.0	-.0421	-.5699	40.5	349.35	974.0	319.0	.0000	.0000	.0033	.9981	.9948
12200.0	-.0413	-.5645	40.5	349.35	974.0	319.0	.0000	.0000	.0033	.9982	.9949
12100.0	-.0404	-.5591	40.5	349.36	974.0	319.0	.0000	.0000	.0034	.9982	.9949

TABLE 3. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 350 KJ

PO KPA	XO	AO	P* KPA	T* K	ρ* KG/M3	H* KJ/KG	X*	A*	PR	TR	ρR
17000.0	-.0396	-.5538	40.6	349.36	974.0	319.0	.0000	.0000	.0034	.9982	.9949
16900.0	-.0388	-.5486	40.6	349.37	974.0	319.1	.0000	.0000	.0034	.9982	.9950
16800.0	-.0380	-.5434	40.6	349.37	974.0	319.1	.0000	.0000	.0034	.9982	.9950
16700.0	-.0373	-.5382	40.6	349.38	974.0	319.1	.0000	.0000	.0035	.9982	.9951
16600.0	-.0365	-.5331	40.6	349.39	974.0	319.1	.0000	.0000	.0035	.9982	.9951
16500.0	-.0357	-.5281	40.6	349.39	974.0	319.1	.0000	.0000	.0035	.9983	.9951
16400.0	-.0350	-.5231	40.6	349.40	974.0	319.2	.0000	.0000	.0036	.9983	.9952
16300.0	-.0342	-.5181	40.6	349.40	974.0	319.2	.0000	.0000	.0036	.9983	.9952
16200.0	-.0335	-.5132	40.6	349.41	973.9	319.2	.0000	.0000	.0036	.9983	.9953
16100.0	-.0328	-.5084	40.6	349.41	973.9	319.2	.0000	.0000	.0037	.9983	.9953
16000.0	-.0322	-.5035	40.6	349.42	973.9	319.2	.0000	.0000	.0037	.9983	.9953
15900.0	-.0315	-.4988	40.6	349.42	973.9	319.3	.0000	.0000	.0037	.9983	.9954
15800.0	-.0308	-.4940	40.7	349.43	973.9	319.3	.0000	.0000	.0038	.9984	.9954
15700.0	-.0302	-.4893	40.7	349.43	973.9	319.3	.0000	.0000	.0038	.9984	.9954
15600.0	-.0295	-.4847	40.7	349.44	973.9	319.3	.0000	.0000	.0039	.9984	.9955
15500.0	-.0289	-.4801	40.7	349.44	973.9	319.4	.0000	.0000	.0039	.9984	.9956
15400.0	-.0283	-.4755	40.7	349.45	973.9	319.4	.0000	.0000	.0039	.9984	.9956
15300.0	-.0277	-.4709	40.7	349.45	973.9	319.4	.0000	.0000	.0040	.9984	.9956
15200.0	-.0271	-.4664	40.7	349.46	973.9	319.4	.0000	.0000	.0040	.9985	.9957
15100.0	-.0265	-.4620	40.7	349.46	973.9	319.4	.0000	.0000	.0040	.9985	.9957
15000.0	-.0259	-.4575	40.7	349.47	973.9	319.5	.0000	.0000	.0041	.9985	.9958
14900.0	-.0254	-.4531	40.7	349.47	973.9	319.5	.0000	.0000	.0041	.9985	.9958
14800.0	-.0248	-.4488	40.7	349.48	973.9	319.5	.0000	.0000	.0041	.9985	.9958
14700.0	-.0243	-.4444	40.8	349.49	973.9	319.6	.0000	.0000	.0042	.9985	.9959
14600.0	-.0237	-.4401	40.8	349.49	973.9	319.6	.0000	.0000	.0042	.9985	.9959
14500.0	-.0232	-.4359	40.8	349.50	973.9	319.6	.0000	.0000	.0043	.9986	.9960
14400.0	-.0227	-.4317	40.8	349.50	973.9	319.6	.0000	.0000	.0043	.9986	.9960
14300.0	-.0222	-.4275	40.8	349.51	973.9	319.6	.0000	.0000	.0044	.9986	.9961
14200.0	-.0217	-.4233	40.8	349.51	973.9	319.6	.0000	.0000	.0044	.9986	.9961
14100.0	-.0212	-.4190	40.8	349.52	973.9	319.7	.0000	.0000	.0045	.9986	.9961
14000.0	-.0207	-.4148	40.8	349.52	973.9	319.7	.0000	.0000	.0045	.9986	.9962
13900.0	-.0202	-.4107	40.8	349.53	973.9	319.7	.0000	.0000	.0046	.9986	.9962
13800.0	-.0198	-.4066	40.8	349.53	973.9	319.7	.0000	.0000	.0046	.9987	.9963
13700.0	-.0193	-.4025	40.8	349.54	973.9	319.8	.0000	.0000	.0047	.9987	.9963
13600.0	-.0189	-.3985	40.9	349.54	973.9	319.8	.0000	.0000	.0048	.9987	.9964
13500.0	-.0184	-.3945	40.9	349.55	973.9	319.8	.0000	.0000	.0048	.9987	.9964
13400.0	-.0180	-.3905	40.9	349.55	973.9	319.8	.0000	.0000	.0049	.9987	.9964
13300.0	-.0175	-.3865	40.9	349.56	973.9	319.8	.0000	.0000	.0049	.9987	.9965
13200.0	-.0171	-.3825	40.9	349.56	973.9	319.9	.0000	.0000	.0049	.9987	.9965
13100.0	-.0167	-.3786	40.9	349.57	973.9	319.9	.0000	.0000	.0050	.9988	.9965
13000.0	-.0163	-.3747	40.9	349.57	973.8	319.9	.0000	.0000	.0050	.9988	.9966
12900.0	-.0159	-.3708	40.9	349.58	973.8	319.9	.0000	.0000	.0051	.9988	.9966
12800.0	-.0155	-.3669	40.9	349.59	973.8	320.0	.0000	.0000	.0052	.9988	.9966
12700.0	-.0151	-.3631	40.9	349.59	973.8	320.0	.0000	.0000	.0052	.9988	.9967
12600.0	-.0147	-.3592	40.9	349.60	973.8	320.0	.0000	.0000	.0053	.9988	.9967
12500.0	-.0144	-.3554	41.0	349.60	973.8	320.0	.0000	.0000	.0054	.9988	.9969
12400.0	-.0140	-.3516	41.0	349.61	973.8	320.0	.0000	.0000	.0055	.9989	.9968
12300.0	-.0136	-.3478	41.0	349.61	973.8	320.1	.0000	.0000	.0055	.9989	.9969
12200.0	-.0133	-.3440	41.0	349.62	973.8	320.1	.0000	.0000	.0056	.9989	.9969
12100.0	-.0129	-.3402	41.0	349.62	973.8	320.1	.0000	.0000	.0057	.9989	.9969
12000.0	-.0126	-.3365	41.0	349.63	973.8	320.1	.0000	.0000	.0058	.9989	.9970
11900.0	-.0122	-.3327	41.0	349.63	973.8	320.1	.0000	.0000	.0059	.9990	.9970
11800.0	-.0119	-.3290	41.0	349.64	973.8	320.2	.0000	.0000	.0060	.9990	.9971
11700.0	-.0116	-.3253	41.0	349.64	973.8	320.2	.0000	.0000	.0061	.9990	.9971
11600.0	-.0113	-.3215	41.0	349.65	973.8	320.2	.0000	.0000	.0062	.9990	.9972
11500.0	-.0110	-.3179	41.0	349.65	973.8	320.2	.0000	.0000	.0063	.9990	.9972
11400.0	-.0106	-.3142	41.0	349.66	973.8	320.3	.0000	.0000	.0064	.9990	.9973
11300.0	-.0103	-.3105	41.1	349.66	973.8	320.3	.0000	.0000	.0065	.9990	.9973
11200.0	-.0100	-.3069	41.1	349.67	973.8	320.3	.0000	.0000	.0066	.9991	.9974
11100.0	-.0097	-.3032	41.1	349.67	973.8	320.3	.0000	.0000	.0067	.9991	.9974
11000.0	-.0095	-.2996	41.1	349.68	973.8	320.4	.0000	.0000	.0068	.9991	.9974
10900.0	-.0092	-.2959	41.1	349.69	973.8	320.4	.0000	.0000	.0070	.9991	.9975
10800.0	-.0089	-.2923	41.1	349.69	973.8	320.4	.0000	.0000	.0071	.9991	.9975
10700.0	-.0086	-.2887	41.1	349.70	973.8	320.4	.0000	.0000	.0072	.9991	.9976
10600.0	-.0084	-.2850	41.1	349.70	973.8	320.4	.0000	.0000	.0073	.9991	.9976
10500.0	-.0081	-.2814	41.1	349.71	973.8	320.5	.0000	.0000	.0075	.9992	.9977
10400.0	-.0078	-.2778	41.1	349.71	973.8	320.5	.0000	.0000	.0076	.9992	.9977
10300.0	-.0076	-.2742	41.1	349.72	973.8	320.5	.0000	.0000	.0078	.9992	.9977
10200.0	-.0073	-.2706	41.2	349.72	973.8	320.5	.0000	.0000	.0079	.9992	.9978
10100.0	-.0071	-.2669	41.2	349.73	973.8	320.6	.0000	.0000	.0081	.9992	.9978
10000.0	-.0068	-.2633	41.2	349.73	973.8	320.6	.0000	.0000	.0082	.9992	.9979
9900.0	-.0066	-.2597	41.2	349.74	973.7	320.6	.0000	.0000	.0084	.9993	.9979
9800.0	-.0064	-.2561	41.2	349.74	973.7	320.6	.0000	.0000	.0086	.9993	.9980
9700.0	-.0061	-.2525	41.2	349.75	973.7	320.6	.0000	.0000	.0088	.9993	.9980
9600.0	-.0059	-.2488	41.2	349.76	973.7	320.7	.0000	.0000	.0090	.9993	.9980
9500.0	-.0057	-.2452	41.2	349.76	973.7	320.7	.0000	.0000	.0092	.9993	.9981
9400.0	-.0055	-.2416	41.2	349.77	973.7	320.7	.0000	.0000	.0094	.9993	.9981
9300.0	-.0053	-.2379	41.2	349.77	973.7	320.7	.0000	.0000	.0096	.9993	.9982
9200.0	-.0051	-.2343	41.2	349.78	973.7	320.8	.0000	.0000	.0098	.9994	.9982
9100.0	-.0049	-.2306	41.3	349.78	973.7	320.8	.0000	.0000	.0101	.9994	.9983
9000.0	-.0047	-.2269	41.3	349.79	973.7	320.8	.0000	.0000	.0103	.9994	.9983
8900.0	-.0045	-.2233	41.3	349.79	973.7	320.8	.0000	.0000	.0106	.9994	.9983
8800.0	-.0043	-.2196	41.3	349.80	973.7	320.8	.0000	.0000	.0109	.9994	.9984
8700.0	-.0041	-.2159	41.3	349.80	973.7	320.9	.0000	.0000	.0112	.9994	.9984
8600.0	-.0039	-.2121	41.3	349.81	973.7	320.9	.0000	.0000	.0115	.9995	.9985
8500.0	-.0037	-.2084	41.3	349.81	973.7	320.9	.0000	.0000	.0118	.9995	.9985
8400.0	-.0036	-.2046	41.3	349.82	973.7	320.9	.0000	.0000	.0122	.9995	.9986
8300.0	-.0034	-.2008	41.3	349.82	973.7	321.0	.0000	.0000	.0125	.9995	.9986
8200.0	-.0032	-.1970	41.3	349.83	973.7	321.0	.0000	.0000	.0129	.9995	.9986
8100.0	-.0031	-.1932	41.4	349.84	973.7	321.0	.0000	.0000	.0133	.9995	.9987
8000.0	-.0029	-.1893	41.4	349.84	973.7	321.0	.0000	.0000	.0138	.9995	.9987
7900.0	-.0028	-.1854	41.4	349.85	973.7	321.1	.0000	.0000	.0143	.9996	.9988
7800.0	-.0026	-.1815	41.4	349.85	973.7	321.1	.0000	.0000	.0148	.9996	.9988
7700.0	-.0025	-.1775	41.4	349.86	973.7	321.1	.0000	.0000	.0153	.9996	.9989
7600.0	-.0023	-.1735	41.4	349.86	973.7	321.1	.0000	.0000	.0159	.9996	.9989
7500.0	-.0022	-.1694	41.4	349.87	973.7	321.1	.0000	.0000	.0166	.9996	.9989
7400.0	-.0020	-.1653	41.4	349.87	973.7	321.2	.0000	.0000	.0173	.9996	.9990
7300.0	-.0019	-.1612	41.4	349.88	973.7	321.2	.0000	.0000	.0180	.9997	.9990
7200.0	-.0018	-.1570	41.4	349.88	973.7	321.2	.0000	.0000	.0188	.9997	.9991
7100.0	-.0017	-.1527	41.4	349.89	973.7	321.2	.0000	.0000	.0197	.9997	.9991

TABLE . SUBCOOLED CRITICAL STATE PROPERTIES

(TO 350 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	Y*	A*	PR	TR	QR
2000.0	-.0015	-.1493	41.5	349.89	973.7	321.3	.0000	.0000	.0207	.9997	.9992
1900.0	-.0014	-.1439	41.5	349.90	973.6	321.3	.0000	.0000	.0218	.9997	.9992
1800.0	-.0013	-.1384	41.5	349.91	973.6	321.3	.0000	.0000	.0230	.9997	.9992
1700.0	-.0012	-.1328	41.5	349.91	973.6	321.3	.0000	.0000	.0244	.9997	.9993
1600.0	-.0011	-.1301	41.5	349.92	973.6	321.3	.0000	.0000	.0259	.9998	.9993
1500.0	-.0010	-.1252	41.5	349.92	973.6	321.4	.0000	.0000	.0277	.9998	.9994
1400.0	-.0009	-.1203	41.5	349.93	973.6	321.4	.0000	.0000	.0296	.9998	.9994
1300.0	-.0008	-.1152	41.5	349.93	973.6	321.4	.0000	.0000	.0319	.9998	.9995
1200.0	-.0007	-.1099	41.5	349.94	973.6	321.4	.0000	.0000	.0350	.9998	.9995
1100.0	-.0006	-.1044	41.5	349.94	973.6	321.5	.0000	.0000	.0378	.9998	.9995
1000.0	-.0005	-.0987	41.5	349.95	973.6	321.5	.0000	.0000	.0413	.9999	.9996
900.0	-.0004	-.0927	41.6	349.95	973.6	321.5	.0000	.0000	.0462	.9999	.9996
800.0	-.0004	-.0863	41.6	349.96	973.6	321.5	.0000	.0000	.0520	.9999	.9997
700.0	-.0003	-.0796	41.6	349.96	973.6	321.5	.0000	.0000	.0594	.9999	.9997
600.0	-.0002	-.0723	41.6	349.97	973.6	321.6	.0000	.0000	.0693	.9999	.9998
500.0	-.0002	-.0644	41.6	349.98	973.6	321.6	.0000	.0000	.0832	.9999	.9998
400.0	-.0001	-.0555	41.6	349.98	973.6	321.6	.0000	.0000	.1040	.9999	.9998
300.0	-.0001	-.0446	41.6	349.99	973.6	321.6	.0000	.0000	.1387	1.0000	.9999
200.0	-.0000	-.0299	41.6	349.99	973.6	321.7	.0000	.0000	.2081	1.0000	.9999
100.0	-.0000	-.0139	41.6	350.00	973.6	321.7	.0000	.0000	.4163	1.0000	1.0000

TABLE . SUBCOOLED CRITICAL STATE PROPERTIES

(TO 360 K)

PO KPA	XO	AO	P* KPA	T* K	D* KG/M3	H* KJ/KG	X*	A*	P*	T*	D*
22120.0	********	********	59.1	358.70	968.1	358.3	.0000	.0000	.0027	.9964	.9907
22100.0	-4.2469	-14.0004	59.1	358.70	968.1	358.3	.0000	.0000	.0027	.9964	.9907
22000.0	-1.5598	-5.6815	59.1	358.71	968.1	358.3	.0000	.0000	.0027	.9964	.9908
21900.0	-1.1078	-4.2699	59.1	358.71	968.1	358.3	.0000	.0000	.0027	.9964	.9908
21800.0	-.8945	-3.5965	59.1	358.72	968.1	358.3	.0000	.0000	.0027	.9964	.9908
21700.0	-.7660	-3.1807	59.1	358.73	968.1	358.4	.0000	.0000	.0027	.9965	.9909
21600.0	-.6737	-2.8903	59.1	358.73	968.1	358.4	.0000	.0000	.0027	.9965	.9909
21500.0	-.6062	-2.6717	59.1	358.74	968.0	358.4	.0000	.0000	.0028	.9965	.9910
21400.0	-.5533	-2.5004	59.2	358.74	968.0	358.4	.0000	.0000	.0028	.9965	.9910
21300.0	-.5102	-2.3574	59.2	358.75	968.0	358.4	.0000	.0000	.0028	.9965	.9910
21200.0	-.4744	-2.2385	59.2	358.75	968.0	358.5	.0000	.0000	.0028	.9965	.9911
21100.0	-.4438	-2.1364	59.2	358.76	968.0	358.5	.0000	.0000	.0028	.9966	.9911
21000.0	-.4173	-2.0475	59.2	358.77	968.0	358.5	.0000	.0000	.0028	.9966	.9912
20900.0	-.3941	-1.9688	59.2	358.77	968.0	358.5	.0000	.0000	.0028	.9966	.9912
20800.0	-.3738	-1.8995	59.3	358.78	968.0	358.6	.0000	.0000	.0028	.9966	.9912
20700.0	-.3550	-1.8351	59.3	358.78	968.0	358.6	.0000	.0000	.0029	.9966	.9913
20600.0	-.3384	-1.7775	59.3	358.79	968.0	358.6	.0000	.0000	.0029	.9966	.9913
20500.0	-.3232	-1.7247	59.3	358.79	968.0	358.6	.0000	.0000	.0029	.9967	.9914
20400.0	-.3094	-1.6760	59.3	358.80	968.0	358.6	.0000	.0000	.0029	.9967	.9914
20300.0	-.2966	-1.6310	59.3	358.81	968.0	358.7	.0000	.0000	.0029	.9967	.9915
20200.0	-.2849	-1.5890	59.3	358.81	968.0	358.7	.0000	.0000	.0029	.9967	.9915
20100.0	-.2739	-1.5498	59.3	358.82	968.0	358.7	.0000	.0000	.0030	.9967	.9915
20000.0	-.2637	-1.5131	59.3	358.82	968.0	358.7	.0000	.0000	.0030	.9967	.9916
19900.0	-.2542	-1.4785	59.4	358.83	968.0	358.8	.0000	.0000	.0030	.9967	.9916
19800.0	-.2453	-1.4458	59.4	358.83	968.0	358.8	.0000	.0000	.0030	.9968	.9917
19700.0	-.2369	-1.4149	59.4	358.84	968.0	358.8	.0000	.0000	.0030	.9968	.9917
19600.0	-.2290	-1.3856	59.4	358.85	968.0	358.8	.0000	.0000	.0030	.9968	.9917
19500.0	-.2216	-1.3577	59.4	358.85	968.0	358.9	.0000	.0000	.0030	.9968	.9918
19400.0	-.2145	-1.3311	59.4	358.86	968.0	358.9	.0000	.0000	.0031	.9968	.9918
19300.0	-.2078	-1.3058	59.4	358.86	968.0	358.9	.0000	.0000	.0031	.9968	.9919
19200.0	-.2015	-1.2814	59.5	358.87	968.0	358.9	.0000	.0000	.0031	.9969	.9919
19100.0	-.1954	-1.2582	59.5	358.87	968.0	359.0	.0000	.0000	.0031	.9969	.9919
19000.0	-.1897	-1.2358	59.5	358.88	968.0	359.0	.0000	.0000	.0031	.9969	.9920
18900.0	-.1842	-1.2144	59.5	358.89	968.0	359.0	.0000	.0000	.0031	.9969	.9920
18800.0	-.1789	-1.1938	59.5	358.89	967.9	359.0	.0000	.0000	.0032	.9969	.9921
18700.0	-.1739	-1.1739	59.5	358.90	967.9	359.1	.0000	.0000	.0032	.9969	.9921
18600.0	-.1691	-1.1548	59.5	358.90	967.9	359.1	.0000	.0000	.0032	.9970	.9921
18500.0	-.1645	-1.1363	59.5	358.91	967.9	359.1	.0000	.0000	.0032	.9970	.9922
18400.0	-.1600	-1.1185	59.6	358.92	967.9	359.1	.0000	.0000	.0032	.9970	.9922
18300.0	-.1558	-1.1013	59.6	358.92	967.9	359.2	.0000	.0000	.0033	.9970	.9923
18200.0	-.1517	-1.0846	59.6	358.93	967.9	359.2	.0000	.0000	.0033	.9970	.9923
18100.0	-.1478	-1.0685	59.6	358.93	967.9	359.2	.0000	.0000	.0033	.9970	.9923
18000.0	-.1440	-1.0529	59.6	358.94	967.9	359.2	.0000	.0000	.0033	.9971	.9924
17900.0	-.1403	-1.0377	59.6	358.94	967.9	359.3	.0000	.0000	.0033	.9971	.9924
17800.0	-.1368	-1.0230	59.6	358.95	967.9	359.3	.0000	.0000	.0034	.9971	.9924
17700.0	-.1334	-1.0088	59.7	358.96	967.9	359.3	.0000	.0000	.0034	.9971	.9925
17600.0	-.1301	-.9949	59.7	358.96	967.9	359.3	.0000	.0000	.0034	.9971	.9926
17500.0	-.1270	-.9815	59.7	358.97	967.9	359.4	.0000	.0000	.0034	.9971	.9926
17400.0	-.1239	-.9684	59.7	358.97	967.9	359.4	.0000	.0000	.0034	.9971	.9926
17300.0	-.1210	-.9557	59.7	358.98	967.9	359.4	.0000	.0000	.0035	.9972	.9927
17200.0	-.1181	-.9433	59.7	358.98	967.9	359.4	.0000	.0000	.0035	.9972	.9927
17100.0	-.1154	-.9313	59.7	358.99	967.9	359.4	.0000	.0000	.0035	.9972	.9928
17000.0	-.1127	-.9195	59.7	359.00	967.9	359.5	.0000	.0000	.0035	.9972	.9928
16900.0	-.1101	-.9081	59.8	359.00	967.9	359.5	.0000	.0000	.0035	.9973	.9928
16800.0	-.1076	-.8969	59.8	359.01	967.9	359.5	.0000	.0000	.0036	.9973	.9929
16700.0	-.1051	-.8861	59.8	359.01	967.9	359.5	.0000	.0000	.0036	.9973	.9929
16600.0	-.1028	-.8754	59.8	359.02	967.9	359.6	.0000	.0000	.0036	.9973	.9930
16500.0	-.1005	-.8654	59.8	359.03	967.9	359.6	.0000	.0000	.0036	.9973	.9930
16400.0	-.0983	-.8552	59.8	359.03	967.9	359.6	.0000	.0000	.0036	.9973	.9930
16300.0	-.0962	-.8453	59.8	359.04	967.9	359.6	.0000	.0000	.0037	.9973	.9931
16200.0	-.0941	-.8356	59.9	359.04	967.8	359.7	.0000	.0000	.0037	.9973	.9931
16100.0	-.0920	-.8260	59.9	359.05	967.8	359.7	.0000	.0000	.0037	.9974	.9932
16000.0	-.0900	-.8167	59.9	359.05	967.8	359.7	.0000	.0000	.0037	.9974	.9932
15900.0	-.0881	-.8075	59.9	359.06	967.8	359.7	.0000	.0000	.0038	.9974	.9933
15800.0	-.0862	-.7986	59.9	359.07	967.8	359.8	.0000	.0000	.0038	.9974	.9933
15700.0	-.0844	-.7897	59.9	359.07	967.8	359.8	.0000	.0000	.0038	.9974	.9933
15600.0	-.0826	-.7811	59.9	359.08	967.8	359.8	.0000	.0000	.0038	.9974	.9934
15500.0	-.0808	-.7726	60.0	359.08	967.8	359.8	.0000	.0000	.0039	.9975	.9934
15400.0	-.0791	-.7642	60.0	359.09	967.8	359.9	.0000	.0000	.0039	.9975	.9935
15300.0	-.0774	-.7560	60.0	359.09	967.8	359.9	.0000	.0000	.0039	.9975	.9935
15200.0	-.0758	-.7480	60.0	359.10	967.8	359.9	.0000	.0000	.0039	.9975	.9935
15100.0	-.0743	-.7400	60.0	359.11	967.8	359.9	.0000	.0000	.0040	.9975	.9936
15000.0	-.0727	-.7322	60.0	359.11	967.8	360.0	.0000	.0000	.0040	.9975	.9936
14900.0	-.0713	-.7245	60.0	359.12	967.8	360.0	.0000	.0000	.0040	.9976	.9937
14800.0	-.0697	-.7170	60.0	359.12	967.8	360.0	.0000	.0000	.0041	.9976	.9937
14700.0	-.0683	-.7096	60.1	359.13	967.8	360.0	.0000	.0000	.0041	.9976	.9937
14600.0	-.0669	-.7023	60.1	359.14	967.8	360.1	.0000	.0000	.0041	.9976	.9938
14500.0	-.0655	-.6951	60.1	359.14	967.8	360.1	.0000	.0000	.0041	.9976	.9938
14400.0	-.0641	-.6880	60.1	359.15	967.8	360.1	.0000	.0000	.0042	.9976	.9939
14300.0	-.0628	-.6810	60.1	359.15	967.8	360.1	.0000	.0000	.0042	.9976	.9939
14200.0	-.0615	-.6741	60.1	359.16	967.8	360.2	.0000	.0000	.0042	.9977	.9940
14100.0	-.0603	-.6673	60.1	359.16	967.8	360.2	.0000	.0000	.0043	.9977	.9940
14000.0	-.0590	-.6606	60.2	359.17	967.8	360.2	.0000	.0000	.0043	.9977	.9940
13900.0	-.0579	-.6540	60.2	359.18	967.8	360.2	.0000	.0000	.0043	.9977	.9941
13800.0	-.0566	-.6475	60.2	359.18	967.8	360.3	.0000	.0000	.0044	.9977	.9941
13700.0	-.0555	-.6411	60.2	359.19	967.8	360.3	.0000	.0000	.0044	.9977	.9942
13600.0	-.0544	-.6349	60.2	359.19	967.7	360.3	.0000	.0000	.0044	.9978	.9942
13500.0	-.0533	-.6285	60.2	359.20	967.7	360.3	.0000	.0000	.0045	.9978	.9942
13400.0	-.0522	-.6223	60.3	359.21	967.7	360.4	.0000	.0000	.0045	.9978	.9943
13300.0	-.0511	-.6162	60.3	359.21	967.7	360.4	.0000	.0000	.0045	.9978	.9943
13200.0	-.0501	-.6102	60.3	359.22	967.7	360.4	.0000	.0000	.0046	.9978	.9944
13100.0	-.0490	-.6042	60.3	359.22	967.7	360.4	.0000	.0000	.0046	.9978	.9944
13000.0	-.0480	-.5983	60.3	359.23	967.7	360.5	.0000	.0000	.0046	.9979	.9945
12900.0	-.0471	-.5925	60.3	359.23	967.7	360.5	.0000	.0000	.0047	.9979	.9945
12800.0	-.0461	-.5868	60.3	359.24	967.7	360.5	.0000	.0000	.0047	.9979	.9945
12700.0	-.0452	-.5811	60.3	359.24	967.7	360.5	.0000	.0000	.0048	.9979	.9946
12600.0	-.0443	-.5755	60.3	359.25	967.7	360.5	.0000	.0000	.0048	.9979	.9946
12500.0	-.0434	-.5700	60.4	359.25	967.7	360.5	.0000	.0000	.0048	.9979	.9947
12400.0	-.0425	-.5644	60.4	359.26	967.7	360.5	.0000	.0000	.0049	.9980	.9947
12300.0	-.0416	-.5590	60.4	359.27	967.7	360.5	.0000	.0000	.0049	.9980	.9947
12200.0	-.0407	-.5537	60.4	359.27	967.7	360.6	.0000	.0000	.0050	.9980	.9948
12100.0	-.0399	-.5484	60.4	359.28	967.7	360.7	.0000	.0000	.0050	.9980	.9948

TABLE 2. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 360 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
12000.0	-.0391	-.5431	60.4	359.29	967.7	360.7	.0000	.0000	.0050	.9980	.9949
11900.0	-.0383	-.5379	60.4	359.29	967.7	360.7	.0000	.0000	.0051	.9980	.9949
11800.0	-.0375	-.5327	60.5	359.30	967.7	360.7	.0000	.0000	.0051	.9981	.9950
11700.0	-.0367	-.5276	60.5	359.31	967.7	360.8	.0000	.0000	.0052	.9981	.9950
11600.0	-.0360	-.5226	60.5	359.31	967.7	360.8	.0000	.0000	.0053	.9981	.9950
11500.0	-.0352	-.5176	60.5	359.32	967.7	360.8	.0000	.0000	.0053	.9981	.9951
11400.0	-.0345	-.5126	60.5	359.32	967.7	360.8	.0000	.0000	.0053	.9981	.9951
11300.0	-.0338	-.5077	60.5	359.33	967.7	360.9	.0000	.0000	.0054	.9981	.9952
11200.0	-.0331	-.5028	60.5	359.33	967.7	360.9	.0000	.0000	.0054	.9982	.9952
11100.0	-.0324	-.4980	60.6	359.34	967.7	360.9	.0000	.0000	.0055	.9982	.9953
11000.0	-.0317	-.4932	60.6	359.35	967.6	360.9	.0000	.0000	.0055	.9982	.9953
10900.0	-.0310	-.4885	60.6	359.35	967.6	361.0	.0000	.0000	.0056	.9982	.9953
10800.0	-.0304	-.4838	60.6	359.36	967.6	361.0	.0000	.0000	.0056	.9982	.9954
10700.0	-.0297	-.4792	60.6	359.36	967.6	361.0	.0000	.0000	.0057	.9982	.9954
10600.0	-.0291	-.4745	60.6	359.37	967.6	361.0	.0000	.0000	.0057	.9983	.9955
10500.0	-.0285	-.4700	60.6	359.38	967.6	361.1	.0000	.0000	.0058	.9983	.9955
10400.0	-.0279	-.4654	60.7	359.38	967.6	361.1	.0000	.0000	.0058	.9983	.9955
10300.0	-.0273	-.4609	60.7	359.39	967.6	361.1	.0000	.0000	.0059	.9983	.9956
10200.0	-.0267	-.4564	60.7	359.39	967.6	361.1	.0000	.0000	.0059	.9983	.9956
10100.0	-.0261	-.4520	60.7	359.40	967.6	361.2	.0000	.0000	.0060	.9983	.9957
10000.0	-.0255	-.4476	60.7	359.41	967.6	361.2	.0000	.0000	.0061	.9983	.9957
9900.0	-.0250	-.4432	60.7	359.41	967.6	361.2	.0000	.0000	.0061	.9984	.9958
9800.0	-.0244	-.4389	60.7	359.42	967.6	361.2	.0000	.0000	.0062	.9984	.9958
9700.0	-.0239	-.4346	60.8	359.42	967.6	361.3	.0000	.0000	.0063	.9984	.9958
9600.0	-.0234	-.4303	60.8	359.43	967.6	361.3	.0000	.0000	.0063	.9984	.9959
9500.0	-.0228	-.4261	60.8	359.43	967.6	361.3	.0000	.0000	.0064	.9984	.9959
9400.0	-.0223	-.4218	60.8	359.44	967.6	361.3	.0000	.0000	.0065	.9984	.9960
9300.0	-.0218	-.4176	60.8	359.45	967.6	361.4	.0000	.0000	.0065	.9985	.9960
9200.0	-.0213	-.4135	60.8	359.45	967.6	361.4	.0000	.0000	.0066	.9985	.9961
9100.0	-.0208	-.4093	60.8	359.46	967.6	361.4	.0000	.0000	.0067	.9985	.9961
9000.0	-.0204	-.4052	60.8	359.46	967.6	361.4	.0000	.0000	.0068	.9985	.9961
8900.0	-.0199	-.4012	60.9	359.47	967.6	361.5	.0000	.0000	.0068	.9985	.9962
8800.0	-.0194	-.3971	60.9	359.48	967.6	361.5	.0000	.0000	.0069	.9985	.9962
8700.0	-.0190	-.3931	60.9	359.48	967.6	361.5	.0000	.0000	.0070	.9986	.9963
8600.0	-.0185	-.3890	60.9	359.49	967.6	361.5	.0000	.0000	.0071	.9986	.9963
8500.0	-.0181	-.3851	60.9	359.49	967.6	361.6	.0000	.0000	.0072	.9986	.9964
8400.0	-.0177	-.3811	60.9	359.50	967.5	361.6	.0000	.0000	.0073	.9986	.9964
8300.0	-.0172	-.3771	60.9	359.51	967.5	361.6	.0000	.0000	.0073	.9986	.9964
8200.0	-.0168	-.3732	61.0	359.51	967.5	361.6	.0000	.0000	.0074	.9986	.9965
8100.0	-.0164	-.3693	61.0	359.52	967.5	361.7	.0000	.0000	.0075	.9987	.9965
8000.0	-.0160	-.3654	61.0	359.52	967.5	361.7	.0000	.0000	.0076	.9987	.9966
7900.0	-.0156	-.3616	61.0	359.53	967.5	361.7	.0000	.0000	.0077	.9987	.9966
7800.0	-.0152	-.3577	61.0	359.54	967.5	361.7	.0000	.0000	.0078	.9987	.9966
7700.0	-.0148	-.3539	61.0	359.54	967.5	361.8	.0000	.0000	.0079	.9987	.9967
7600.0	-.0145	-.3501	61.0	359.55	967.5	361.8	.0000	.0000	.0080	.9987	.9967
7500.0	-.0141	-.3463	61.1	359.55	967.5	361.8	.0000	.0000	.0081	.9988	.9968
7400.0	-.0137	-.3425	61.1	359.56	967.5	361.9	.0000	.0000	.0083	.9988	.9968
7300.0	-.0134	-.3387	61.1	359.57	967.5	361.9	.0000	.0000	.0084	.9988	.9969
7200.0	-.0130	-.3350	61.1	359.57	967.5	361.9	.0000	.0000	.0085	.9988	.9969
7100.0	-.0127	-.3312	61.1	359.58	967.5	361.9	.0000	.0000	.0086	.9989	.9969
7000.0	-.0123	-.3275	61.1	359.58	967.5	361.9	.0000	.0000	.0087	.9988	.9970
6900.0	-.0120	-.3238	61.1	359.59	967.5	362.0	.0000	.0000	.0089	.9989	.9970
6800.0	-.0117	-.3201	61.2	359.60	967.5	362.0	.0000	.0000	.0090	.9989	.9971
6700.0	-.0113	-.3164	61.2	359.60	967.5	362.0	.0000	.0000	.0091	.9989	.9971
6600.0	-.0110	-.3127	61.2	359.61	967.5	362.0	.0000	.0000	.0093	.9989	.9972
6500.0	-.0107	-.3091	61.2	359.61	967.5	362.1	.0000	.0000	.0094	.9989	.9972
6400.0	-.0104	-.3054	61.2	359.62	967.5	362.1	.0000	.0000	.0096	.9989	.9972
6300.0	-.0101	-.3018	61.2	359.62	967.5	362.1	.0000	.0000	.0097	.9990	.9973
6200.0	-.0098	-.2981	61.2	359.63	967.5	362.1	.0000	.0000	.0099	.9990	.9973
6100.0	-.0095	-.2945	61.3	359.64	967.5	362.2	.0000	.0000	.0100	.9990	.9974
6000.0	-.0092	-.2909	61.3	359.64	967.5	362.2	.0000	.0000	.0102	.9990	.9974
5900.0	-.0090	-.2873	61.3	359.65	967.5	362.2	.0000	.0000	.0104	.9990	.9975
5800.0	-.0087	-.2837	61.3	359.65	967.4	362.3	.0000	.0000	.0105	.9990	.9975
5700.0	-.0084	-.2801	61.3	359.66	967.4	362.3	.0000	.0000	.0108	.9991	.9975
5600.0	-.0082	-.2765	61.3	359.67	967.4	362.3	.0000	.0000	.0110	.9991	.9976
5500.0	-.0079	-.2729	61.3	359.67	967.4	362.3	.0000	.0000	.0112	.9991	.9976
5400.0	-.0076	-.2693	61.4	359.68	967.4	362.3	.0000	.0000	.0114	.9991	.9977
5300.0	-.0074	-.2657	61.4	359.68	967.4	362.4	.0000	.0000	.0116	.9991	.9977
5200.0	-.0071	-.2621	61.4	359.69	967.4	362.4	.0000	.0000	.0118	.9991	.9978
5100.0	-.0069	-.2585	61.4	359.70	967.4	362.4	.0000	.0000	.0120	.9992	.9978
5000.0	-.0067	-.2549	61.4	359.70	967.4	362.4	.0000	.0000	.0123	.9992	.9978
4900.0	-.0064	-.2513	61.4	359.71	967.4	362.5	.0000	.0000	.0125	.9992	.9979
4800.0	-.0062	-.2477	61.4	359.71	967.4	362.5	.0000	.0000	.0128	.9992	.9979
4700.0	-.0060	-.2441	61.5	359.72	967.4	362.5	.0000	.0000	.0131	.9992	.9980
4600.0	-.0058	-.2405	61.5	359.73	967.4	362.5	.0000	.0000	.0134	.9992	.9980
4500.0	-.0056	-.2369	61.5	359.73	967.4	362.6	.0000	.0000	.0137	.9993	.9981
4400.0	-.0053	-.2333	61.5	359.74	967.4	362.6	.0000	.0000	.0140	.9993	.9981
4300.0	-.0051	-.2297	61.5	359.74	967.4	362.6	.0000	.0000	.0143	.9993	.9981
4200.0	-.0049	-.2261	61.5	359.75	967.4	362.6	.0000	.0000	.0146	.9993	.9982
4100.0	-.0047	-.2225	61.5	359.76	967.4	362.7	.0000	.0000	.0150	.9993	.9982
4000.0	-.0045	-.2188	61.5	359.76	967.4	362.7	.0000	.0000	.0154	.9993	.9983
3900.0	-.0043	-.2152	61.6	359.77	967.4	362.7	.0000	.0000	.0158	.9994	.9983
3800.0	-.0042	-.2115	61.6	359.77	967.4	362.7	.0000	.0000	.0162	.9994	.9984
3700.0	-.0040	-.2078	61.6	359.78	967.4	362.8	.0000	.0000	.0166	.9994	.9984
3600.0	-.0038	-.2041	61.6	359.79	967.4	362.8	.0000	.0000	.0171	.9994	.9985
3500.0	-.0036	-.2004	61.6	359.79	967.4	362.8	.0000	.0000	.0176	.9994	.9985
3400.0	-.0035	-.1966	61.6	359.80	967.4	362.8	.0000	.0000	.0181	.9994	.9985
3300.0	-.0033	-.1929	61.7	359.80	967.3	362.9	.0000	.0000	.0187	.9995	.9986
3200.0	-.0031	-.1891	61.7	359.81	967.3	362.9	.0000	.0000	.0193	.9995	.9986
3100.0	-.0030	-.1853	61.7	359.82	967.3	362.9	.0000	.0000	.0199	.9995	.9987
3000.0	-.0028	-.1814	61.7	359.82	967.3	363.0	.0000	.0000	.0206	.9995	.9987
2900.0	-.0027	-.1776	61.7	359.83	967.3	363.0	.0000	.0000	.0213	.9995	.9988
2800.0	-.0025	-.1737	61.7	359.83	967.3	363.0	.0000	.0000	.0220	.9995	.9988
2700.0	-.0024	-.1697	61.7	359.84	967.3	363.0	.0000	.0000	.0229	.9996	.9989
2600.0	-.0022	-.1657	61.8	359.85	967.3	363.0	.0000	.0000	.0238	.9996	.9989
2500.0	-.0021	-.1617	61.8	359.85	967.3	363.1	.0000	.0000	.0247	.9996	.9989
2400.0	-.0020	-.1576	61.8	359.86	967.3	363.1	.0000	.0000	.0257	.9996	.9990
2300.0	-.0018	-.1535	61.8	359.86	967.3	363.1	.0000	.0000	.0269	.9996	.9990
2200.0	-.0017	-.1493	61.8	359.87	967.3	363.1	.0000	.0000	.0281	.9996	.9991
2100.0	-.0016	-.1451	61.8	359.88	967.3	363.2	.0000	.0000	.0294	.9997	.9991

TABLE . SUBCOOLED CRITICAL STATE PROPERTIES

(TO 360 K)

PO KPA	XO	AO	P* KPA	T* K	D* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
2000.0	-.0015	-.1408	61.8	359.88	967.3	363.2	.0000	.0000	.0309	.9997	.9992
1900.0	-.0013	-.1365	61.9	359.89	967.3	363.2	.0000	.0000	.0326	.9997	.9993
1800.0	-.0012	-.1319	61.9	359.89	967.3	363.3	.0000	.0000	.0344	.9997	.9992
1700.0	-.0011	-.1273	61.9	359.90	967.3	363.3	.0000	.0000	.0364	.9997	.9993
1600.0	-.0010	-.1226	61.9	359.91	967.3	363.3	.0000	.0000	.0387	.9997	.9993
1500.0	-.0009	-.1178	61.9	359.91	967.3	363.3	.0000	.0000	.0413	.9998	.9994
1400.0	-.0008	-.1129	61.9	359.92	967.3	363.4	.0000	.0000	.0442	.9998	.9994
1300.0	-.0007	-.1078	61.9	359.93	967.3	363.4	.0000	.0000	.0477	.9998	.9995
1200.0	-.0006	-.1025	62.0	359.93	967.3	363.4	.0000	.0000	.0516	.9998	.9995
1100.0	-.0006	-.0971	62.0	359.94	967.3	363.4	.0000	.0000	.0563	.9998	.9995
1000.0	-.0005	-.0914	62.0	359.94	967.3	363.5	.0000	.0000	.0620	.9998	.9996
900.0	-.0004	-.0855	62.0	359.95	967.3	363.5	.0000	.0000	.0689	.9999	.9996
800.0	-.0003	-.0792	62.0	359.96	967.2	363.5	.0000	.0000	.0775	.9999	.9997
700.0	-.0003	-.0724	62.0	359.96	967.2	363.5	.0000	.0000	.0886	.9999	.9997
600.0	-.0002	-.0653	62.0	359.97	967.2	363.6	.0000	.0000	.1034	.9999	.9998
500.0	-.0002	-.0574	62.1	359.97	967.2	363.6	.0000	.0000	.1241	.9999	.9998
400.0	-.0001	-.0486	62.1	359.98	967.2	363.6	.0000	.0000	.1552	.9999	.9999
300.0	-.0001	-.0385	62.1	359.99	967.2	363.6	.0000	.0000	.2070	1.0000	.9999
200.0	-.0000	-.0262	62.1	359.99	967.2	363.7	.0000	.0000	.3105	1.0000	.9999
100.0	-.0000	-.0092	62.1	360.00	967.2	363.7	.0000	.0000	.6212	1.0000	1.0000

TABLE 7. SUBCOOLED CRITECAL STATE PROPERTIES

(TO 370 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
22120.0	*******	********	85.8	368.56	961.4	399.7	.0000	.0000	.0039	.9961	.9906
22100.0	-4.2313	-13.8549	85.8	368.56	961.4	399.7	.0000	.0000	.0039	.9961	.9906
22000.0	-1.3532	-5.6193	85.8	368.57	961.4	399.7	.0000	.0000	.0039	.9961	.9906
21900.0	-1.1028	-4.6214	85.9	368.57	961.4	399.8	.0000	.0000	.0039	.9961	.9907
21800.0	-.9002	-3.8548	85.9	368.58	961.4	399.8	.0000	.0000	.0039	.9962	.9907
21700.0	-.7502	-3.1435	85.9	368.59	961.4	399.8	.0000	.0000	.0040	.9962	.9907
21600.0	-.6702	-2.8560	85.9	368.59	961.4	399.9	.0000	.0000	.0040	.9962	.9908
21500.0	-.6030	-2.6396	85.9	368.60	961.4	399.9	.0000	.0000	.0040	.9962	.9908
21400.0	-.5502	-2.4685	86.0	368.61	961.4	399.9	.0000	.0000	.0040	.9962	.9909
21300.0	-.5074	-2.3284	86.0	368.61	961.3	399.9	.0000	.0000	.0040	.9962	.9909
21200.0	-.4716	-2.2107	86.0	368.62	961.3	400.0	.0000	.0000	.0041	.9963	.9909
21100.0	-.4412	-2.1096	86.0	368.62	961.3	400.0	.0000	.0000	.0041	.9963	.9910
21000.0	-.4148	-2.0215	86.0	368.63	961.3	400.0	.0000	.0000	.0041	.9963	.9910
20900.0	-.3917	-1.9437	86.1	368.64	961.3	400.0	.0000	.0000	.0041	.9963	.9911
20800.0	-.3712	-1.8741	86.1	368.64	961.3	400.1	.0000	.0000	.0041	.9963	.9911
20700.0	-.3528	-1.8113	86.1	368.65	961.3	400.1	.0000	.0000	.0042	.9964	.9911
20600.0	-.3362	-1.7542	86.1	368.66	961.3	400.1	.0000	.0000	.0042	.9964	.9912
20500.0	-.3211	-1.7019	86.1	368.66	961.3	400.1	.0000	.0000	.0042	.9964	.9912
20400.0	-.3073	-1.6538	86.2	368.67	961.3	400.2	.0000	.0000	.0042	.9964	.9913
20300.0	-.2947	-1.6091	86.2	368.68	961.3	400.2	.0000	.0000	.0042	.9964	.9913
20200.0	-.2829	-1.5676	86.2	368.68	961.3	400.2	.0000	.0000	.0043	.9964	.9914
20100.0	-.2721	-1.5288	86.2	368.69	961.3	400.3	.0000	.0000	.0043	.9965	.9914
20000.0	-.2619	-1.4924	86.2	368.69	961.3	400.3	.0000	.0000	.0043	.9965	.9914
19900.0	-.2525	-1.4582	86.3	368.70	961.3	400.3	.0000	.0000	.0043	.9965	.9915
19800.0	-.2436	-1.4258	86.3	368.71	961.3	400.3	.0000	.0000	.0044	.9965	.9915
19700.0	-.2352	-1.3952	86.3	368.71	961.3	400.4	.0000	.0000	.0044	.9965	.9916
19600.0	-.2274	-1.3662	86.3	368.72	961.3	400.4	.0000	.0000	.0044	.9965	.9916
19500.0	-.2200	-1.3385	86.3	368.73	961.3	400.4	.0000	.0000	.0044	.9966	.9916
19400.0	-.2129	-1.3122	86.4	368.73	961.3	400.4	.0000	.0000	.0045	.9966	.9917
19300.0	-.2063	-1.2871	86.4	368.74	961.3	400.5	.0000	.0000	.0045	.9966	.9917
19200.0	-.1999	-1.2630	86.4	368.75	961.3	400.5	.0000	.0000	.0045	.9966	.9918
19100.0	-.1939	-1.2400	86.4	368.75	961.3	400.5	.0000	.0000	.0045	.9966	.9918
19000.0	-.1882	-1.2179	86.4	368.76	961.2	400.6	.0000	.0000	.0045	.9966	.9919
18900.0	-.1827	-1.1966	86.5	368.77	961.2	400.6	.0000	.0000	.0046	.9967	.9919
18800.0	-.1775	-1.1762	86.5	368.77	961.2	400.6	.0000	.0000	.0046	.9967	.9919
18700.0	-.1725	-1.1566	86.5	368.78	961.2	400.6	.0000	.0000	.0046	.9967	.9920
18600.0	-.1677	-1.1376	86.5	368.78	961.2	400.7	.0000	.0000	.0047	.9967	.9920
18500.0	-.1631	-1.1193	86.5	368.79	961.2	400.7	.0000	.0000	.0047	.9967	.9921
18400.0	-.1587	-1.1017	86.6	368.80	961.2	400.7	.0000	.0000	.0047	.9967	.9921
18300.0	-.1545	-1.0846	86.6	368.80	961.2	400.7	.0000	.0000	.0047	.9968	.9921
18200.0	-.1504	-1.0681	86.6	368.81	961.2	400.8	.0000	.0000	.0048	.9968	.9922
18100.0	-.1465	-1.0521	86.6	368.82	961.2	400.8	.0000	.0000	.0048	.9968	.9922
18000.0	-.1427	-1.0367	86.6	368.82	961.2	400.8	.0000	.0000	.0048	.9968	.9923
17900.0	-.1391	-1.0217	86.7	368.83	961.2	400.8	.0000	.0000	.0048	.9968	.9923
17800.0	-.1356	-1.0071	86.7	368.84	961.2	400.9	.0000	.0000	.0049	.9969	.9923
17700.0	-.1323	-.9930	86.7	368.84	961.2	400.9	.0000	.0000	.0049	.9969	.9924
17600.0	-.1290	-.9793	86.7	368.85	961.2	400.9	.0000	.0000	.0049	.9969	.9924
17500.0	-.1258	-.9659	86.7	368.85	961.2	401.0	.0000	.0000	.0050	.9969	.9925
17400.0	-.1228	-.9530	86.8	368.86	961.2	401.0	.0000	.0000	.0050	.9969	.9925
17300.0	-.1198	-.9404	86.8	368.87	961.2	401.0	.0000	.0000	.0050	.9969	.9926
17200.0	-.1170	-.9281	86.8	368.87	961.2	401.0	.0000	.0000	.0050	.9970	.9926
17100.0	-.1143	-.9162	86.8	368.88	961.2	401.1	.0000	.0000	.0051	.9970	.9926
17000.0	-.1116	-.9046	86.8	368.89	961.2	401.1	.0000	.0000	.0051	.9970	.9927
16900.0	-.1090	-.8933	86.9	368.89	961.2	401.1	.0000	.0000	.0051	.9970	.9927
16800.0	-.1065	-.8822	86.9	368.90	961.1	401.1	.0000	.0000	.0052	.9970	.9928
16700.0	-.1041	-.8714	86.9	368.91	961.1	401.2	.0000	.0000	.0052	.9970	.9928
16600.0	-.1018	-.8609	86.9	368.91	961.1	401.2	.0000	.0000	.0052	.9971	.9928
16500.0	-.0995	-.8510	86.9	368.92	961.1	401.2	.0000	.0000	.0053	.9971	.9929
16400.0	-.0973	-.8409	87.0	368.93	961.1	401.3	.0000	.0000	.0053	.9971	.9929
16300.0	-.0952	-.8311	87.0	368.93	961.1	401.3	.0000	.0000	.0053	.9971	.9930
16200.0	-.0931	-.8214	87.0	368.94	961.1	401.3	.0000	.0000	.0054	.9971	.9930
16100.0	-.0911	-.8120	87.0	368.94	961.1	401.3	.0000	.0000	.0054	.9971	.9931
16000.0	-.0891	-.8027	87.0	368.95	961.1	401.4	.0000	.0000	.0054	.9972	.9931
15900.0	-.0872	-.7937	87.1	368.96	961.1	401.4	.0000	.0000	.0055	.9972	.9931
15800.0	-.0853	-.7847	87.1	368.96	961.1	401.4	.0000	.0000	.0055	.9972	.9932
15700.0	-.0835	-.7760	87.1	368.97	961.1	401.4	.0000	.0000	.0055	.9972	.9932
15600.0	-.0817	-.7674	87.1	368.98	961.1	401.5	.0000	.0000	.0056	.9972	.9933
15500.0	-.0800	-.7590	87.2	368.98	961.1	401.5	.0000	.0000	.0056	.9973	.9933
15400.0	-.0783	-.7507	87.2	368.99	961.1	401.5	.0000	.0000	.0057	.9973	.9934
15300.0	-.0766	-.7426	87.2	369.00	961.1	401.5	.0000	.0000	.0057	.9973	.9934
15200.0	-.0750	-.7346	87.2	369.00	961.1	401.6	.0000	.0000	.0057	.9973	.9934
15100.0	-.0734	-.7268	87.2	369.01	961.1	401.6	.0000	.0000	.0058	.9973	.9935
15000.0	-.0719	-.7190	87.3	369.02	961.1	401.6	.0000	.0000	.0058	.9973	.9935
14900.0	-.0704	-.7114	87.3	369.02	961.1	401.7	.0000	.0000	.0059	.9974	.9936
14800.0	-.0689	-.7040	87.3	369.03	961.1	401.7	.0000	.0000	.0059	.9974	.9936
14700.0	-.0675	-.6966	87.3	369.03	961.1	401.7	.0000	.0000	.0059	.9974	.9936
14600.0	-.0661	-.6894	87.3	369.04	961.0	401.7	.0000	.0000	.0060	.9974	.9937
14500.0	-.0647	-.6822	87.4	369.05	961.0	401.8	.0000	.0000	.0060	.9974	.9937
14400.0	-.0634	-.6752	87.4	369.05	961.0	401.8	.0000	.0000	.0061	.9974	.9938
14300.0	-.0621	-.6683	87.4	369.06	961.0	401.8	.0000	.0000	.0061	.9975	.9938
14200.0	-.0608	-.6614	87.4	369.07	961.0	401.9	.0000	.0000	.0062	.9975	.9939
14100.0	-.0595	-.6547	87.4	369.07	961.0	401.9	.0000	.0000	.0062	.9975	.9939
14000.0	-.0583	-.6481	87.5	369.08	961.0	401.9	.0000	.0000	.0062	.9975	.9939
13900.0	-.0571	-.6415	87.5	369.09	961.0	401.9	.0000	.0000	.0063	.9975	.9940
13800.0	-.0559	-.6351	87.5	369.09	961.0	402.0	.0000	.0000	.0063	.9975	.9940
13700.0	-.0548	-.6287	87.5	369.10	961.0	402.0	.0000	.0000	.0064	.9976	.9941
13600.0	-.0537	-.6224	87.5	369.11	961.0	402.0	.0000	.0000	.0064	.9976	.9941
13500.0	-.0526	-.6162	87.6	369.11	961.0	402.0	.0000	.0000	.0065	.9976	.9942
13400.0	-.0515	-.6101	87.6	369.12	961.0	402.1	.0000	.0000	.0065	.9976	.9942
13300.0	-.0504	-.6041	87.6	369.13	961.0	402.1	.0000	.0000	.0066	.9976	.9943
13200.0	-.0494	-.5981	87.6	369.13	961.0	402.1	.0000	.0000	.0066	.9977	.9943
13100.0	-.0484	-.5922	87.6	369.14	961.0	402.2	.0000	.0000	.0067	.9977	.9943
13000.0	-.0474	-.5864	87.7	369.15	961.0	402.2	.0000	.0000	.0067	.9977	.9944
12900.0	-.0464	-.5806	87.7	369.15	961.0	402.2	.0000	.0000	.0068	.9977	.9944
12800.0	-.0455	-.5749	87.7	369.16	961.0	402.3	.0000	.0000	.0069	.9977	.9945
12700.0	-.0446	-.5693	87.7	369.16	961.0	402.3	.0000	.0000	.0069	.9977	.9945
12600.0	-.0436	-.5637	87.8	369.17	961.0	402.3	.0000	.0000	.0070	.9978	.9945
12500.0	-.0428	-.5582	87.8	369.18	961.0	402.3	.0000	.0000	.0070	.9978	.9945
12400.0	-.0419	-.5528	87.8	369.18	960.9	402.3	.0000	.0000	.0071	.9978	.9946
12300.0	-.0410	-.5474	87.8	369.19	960.9	402.4	.0000	.0000	.0071	.9978	.9946
12200.0	-.0402	-.5421	87.9	369.20	960.9	402.4	.0000	.0000	.0072	.9978	.9947
12100.0	-.0393	-.5368	87.9	369.20	960.9	402.4	.0000	.0000	.0073	.9978	.9947

TABLE 2. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 370 K)

PO KPA	XO	AO	P* KPA	T* K	Q* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
12000.0	-.0385	-.5310	87.9	369.21	960.9	402.5	.0000	.0000	.0073	.9979	.9948
11900.0	-.0377	-.5295	87.9	369.22	960.9	402.5	.0000	.0000	.0074	.9979	.9948
11800.0	-.0370	-.5274	87.9	369.22	960.9	402.5	.0000	.0000	.0075	.9979	.9949
11700.0	-.0362	-.5163	87.9	369.23	960.9	402.5	.0000	.0000	.0075	.9979	.9949
11600.0	-.0354	-.5113	88.0	369.24	960.9	402.6	.0000	.0000	.0076	.9979	.9950
11500.0	-.0347	-.5093	88.0	369.24	960.9	402.6	.0000	.0000	.0077	.9980	.9950
11400.0	-.0340	-.5014	88.0	369.25	960.9	402.6	.0000	.0000	.0077	.9980	.9950
11300.0	-.0333	-.4965	88.0	369.26	960.9	402.6	.0000	.0000	.0078	.9980	.9951
11200.0	-.0326	-.4917	88.0	369.26	960.9	402.7	.0000	.0000	.0079	.9980	.9951
11100.0	-.0319	-.4869	88.1	369.27	960.9	402.7	.0000	.0000	.0079	.9980	.9952
11000.0	-.0312	-.4822	88.1	369.28	960.9	402.7	.0000	.0000	.0080	.9980	.9952
10900.0	-.0305	-.4775	88.1	369.28	960.9	402.8	.0000	.0000	.0081	.9981	.9953
10800.0	-.0299	-.4729	88.2	369.29	960.9	402.8	.0000	.0000	.0082	.9981	.9953
10700.0	-.0293	-.4682	88.2	369.30	960.9	402.8	.0000	.0000	.0082	.9981	.9953
10600.0	-.0286	-.4637	88.2	369.30	960.9	402.8	.0000	.0000	.0083	.9981	.9954
10500.0	-.0280	-.4591	88.2	369.31	960.9	402.9	.0000	.0000	.0084	.9981	.9954
10400.0	-.0274	-.4546	88.2	369.31	960.9	402.9	.0000	.0000	.0085	.9981	.9955
10300.0	-.0268	-.4502	88.2	369.32	960.9	402.9	.0000	.0000	.0086	.9982	.9955
10200.0	-.0262	-.4457	88.3	369.33	960.8	402.9	.0000	.0000	.0087	.9982	.9956
10100.0	-.0257	-.4413	88.3	369.33	960.8	403.0	.0000	.0000	.0087	.9982	.9956
10000.0	-.0251	-.4370	88.3	369.34	960.8	403.0	.0000	.0000	.0088	.9982	.9956
9900.0	-.0245	-.4326	88.3	369.35	960.8	403.0	.0000	.0000	.0089	.9982	.9957
9800.0	-.0240	-.4283	88.3	369.35	960.8	403.1	.0000	.0000	.0090	.9983	.9957
9700.0	-.0235	-.4241	88.4	369.36	960.8	403.1	.0000	.0000	.0091	.9983	.9958
9600.0	-.0229	-.4198	88.4	369.37	960.8	403.1	.0000	.0000	.0092	.9983	.9958
9500.0	-.0224	-.4156	88.4	369.37	960.8	403.1	.0000	.0000	.0093	.9983	.9959
9400.0	-.0219	-.4114	88.4	369.38	960.8	403.2	.0000	.0000	.0094	.9983	.9959
9300.0	-.0214	-.4073	88.4	369.39	960.8	403.2	.0000	.0000	.0095	.9983	.9959
9200.0	-.0209	-.4031	88.5	369.39	960.8	403.2	.0000	.0000	.0096	.9984	.9960
9100.0	-.0205	-.3990	88.5	369.40	960.8	403.3	.0000	.0000	.0097	.9984	.9960
9000.0	-.0200	-.3950	88.5	369.41	960.8	403.3	.0000	.0000	.0098	.9984	.9961
8900.0	-.0195	-.3909	88.5	369.41	960.8	403.3	.0000	.0000	.0099	.9984	.9961
8800.0	-.0191	-.3869	88.6	369.42	960.8	403.3	.0000	.0000	.0101	.9984	.9962
8700.0	-.0186	-.3829	88.6	369.43	960.8	403.4	.0000	.0000	.0102	.9984	.9962
8600.0	-.0182	-.3789	88.6	369.43	960.8	403.4	.0000	.0000	.0103	.9985	.9963
8500.0	-.0177	-.3749	88.6	369.44	960.8	403.4	.0000	.0000	.0104	.9985	.9963
8400.0	-.0173	-.3710	88.6	369.45	960.8	403.4	.0000	.0000	.0106	.9985	.9963
8300.0	-.0169	-.3671	88.7	369.45	960.8	403.5	.0000	.0000	.0107	.9985	.9964
8200.0	-.0165	-.3632	88.7	369.46	960.8	403.5	.0000	.0000	.0108	.9985	.9964
8100.0	-.0161	-.3593	88.7	369.47	960.7	403.5	.0000	.0000	.0110	.9986	.9965
8000.0	-.0157	-.3555	88.7	369.47	960.7	403.6	.0000	.0000	.0111	.9986	.9965
7900.0	-.0153	-.3516	88.7	369.48	960.7	403.6	.0000	.0000	.0112	.9986	.9966
7800.0	-.0149	-.3478	88.8	369.49	960.7	403.6	.0000	.0000	.0114	.9986	.9966
7700.0	-.0145	-.3440	88.8	369.49	960.7	403.6	.0000	.0000	.0115	.9986	.9966
7600.0	-.0141	-.3402	88.8	369.50	960.7	403.7	.0000	.0000	.0117	.9986	.9967
7500.0	-.0138	-.3364	88.8	369.51	960.7	403.7	.0000	.0000	.0118	.9987	.9967
7400.0	-.0134	-.3327	88.9	369.51	960.7	403.7	.0000	.0000	.0120	.9987	.9968
7300.0	-.0131	-.3290	88.9	369.52	960.7	403.8	.0000	.0000	.0122	.9987	.9968
7200.0	-.0127	-.3253	88.9	369.53	960.7	403.8	.0000	.0000	.0123	.9987	.9969
7100.0	-.0124	-.3216	88.9	369.53	960.7	403.8	.0000	.0000	.0125	.9987	.9969
7000.0	-.0121	-.3179	88.9	369.54	960.7	403.8	.0000	.0000	.0127	.9988	.9969
6900.0	-.0117	-.3142	89.0	369.54	960.7	403.9	.0000	.0000	.0129	.9988	.9970
6800.0	-.0114	-.3105	89.0	369.55	960.7	403.9	.0000	.0000	.0131	.9988	.9970
6700.0	-.0111	-.3069	89.0	369.56	960.7	403.9	.0000	.0000	.0133	.9988	.9971
6600.0	-.0108	-.3032	89.0	369.56	960.7	403.9	.0000	.0000	.0135	.9988	.9971
6500.0	-.0105	-.2996	89.0	369.57	960.7	404.0	.0000	.0000	.0137	.9988	.9972
6400.0	-.0102	-.2960	89.1	369.58	960.7	404.0	.0000	.0000	.0139	.9989	.9972
6300.0	-.0099	-.2924	89.1	369.58	960.7	404.0	.0000	.0000	.0141	.9989	.9973
6200.0	-.0096	-.2888	89.1	369.59	960.7	404.1	.0000	.0000	.0144	.9989	.9973
6100.0	-.0093	-.2852	89.1	369.60	960.7	404.1	.0000	.0000	.0146	.9989	.9973
6000.0	-.0090	-.2816	89.2	369.60	960.7	404.1	.0000	.0000	.0149	.9989	.9974
5900.0	-.0087	-.2780	89.2	369.61	960.6	404.2	.0000	.0000	.0151	.9989	.9974
5800.0	-.0085	-.2744	89.2	369.62	960.6	404.2	.0000	.0000	.0154	.9990	.9975
5700.0	-.0082	-.2708	89.2	369.62	960.6	404.2	.0000	.0000	.0157	.9990	.9975
5600.0	-.0079	-.2673	89.2	369.63	960.6	404.2	.0000	.0000	.0159	.9990	.9976
5500.0	-.0077	-.2637	89.3	369.64	960.6	404.3	.0000	.0000	.0162	.9990	.9976
5400.0	-.0074	-.2601	89.3	369.64	960.6	404.3	.0000	.0000	.0165	.9990	.9976
5300.0	-.0072	-.2566	89.3	369.65	960.6	404.3	.0000	.0000	.0169	.9991	.9977
5200.0	-.0069	-.2530	89.3	369.66	960.6	404.3	.0000	.0000	.0172	.9991	.9977
5100.0	-.0067	-.2494	89.3	369.66	960.6	404.4	.0000	.0000	.0175	.9991	.9978
5000.0	-.0065	-.2459	89.4	369.67	960.6	404.4	.0000	.0000	.0179	.9991	.9978
4900.0	-.0062	-.2423	89.4	369.68	960.6	404.4	.0000	.0000	.0182	.9991	.9979
4800.0	-.0060	-.2388	89.4	369.68	960.6	404.5	.0000	.0000	.0186	.9991	.9979
4700.0	-.0058	-.2352	89.4	369.69	960.6	404.5	.0000	.0000	.0190	.9992	.9980
4600.0	-.0056	-.2316	89.5	369.70	960.6	404.5	.0000	.0000	.0194	.9992	.9980
4500.0	-.0054	-.2280	89.5	369.70	960.6	404.5	.0000	.0000	.0199	.9992	.9980
4400.0	-.0052	-.2245	89.5	369.71	960.6	404.6	.0000	.0000	.0203	.9992	.9981
4300.0	-.0050	-.2209	89.5	369.72	960.6	404.6	.0000	.0000	.0208	.9993	.9981
4200.0	-.0048	-.2173	89.5	369.72	960.6	404.6	.0000	.0000	.0213	.9993	.9982
4100.0	-.0046	-.2137	89.6	369.73	960.6	404.6	.0000	.0000	.0218	.9993	.9982
4000.0	-.0044	-.2101	89.6	369.74	960.6	404.7	.0000	.0000	.0224	.9993	.9983
3900.0	-.0042	-.2064	89.6	369.74	960.6	404.7	.0000	.0000	.0230	.9993	.9983
3800.0	-.0040	-.2029	89.6	369.75	960.5	404.7	.0000	.0000	.0235	.9993	.9983
3700.0	-.0038	-.1991	89.7	369.76	960.5	404.8	.0000	.0000	.0242	.9993	.9984
3600.0	-.0037	-.1955	89.7	369.76	960.5	404.8	.0000	.0000	.0249	.9994	.9984
3500.0	-.0035	-.1919	89.7	369.77	960.5	404.8	.0000	.0000	.0256	.9994	.9985
3400.0	-.0033	-.1881	89.7	369.78	960.5	404.9	.0000	.0000	.0264	.9994	.9985
3300.0	-.0032	-.1843	89.8	369.78	960.5	404.9	.0000	.0000	.0272	.9994	.9985
3200.0	-.0030	-.1806	89.8	369.79	960.5	404.9	.0000	.0000	.0281	.9995	.9986
3100.0	-.0029	-.1768	89.8	369.80	960.5	404.9	.0000	.0000	.0290	.9995	.9987
3000.0	-.0027	-.1730	89.8	369.80	960.5	405.0	.0000	.0000	.0299	.9995	.9987
2900.0	-.0026	-.1691	89.8	369.81	960.5	405.0	.0000	.0000	.0310	.9995	.9987
2800.0	-.0024	-.1653	89.9	369.82	960.5	405.0	.0000	.0000	.0321	.9995	.9988
2700.0	-.0023	-.1614	89.9	369.83	960.5	405.0	.0000	.0000	.0333	.9995	.9988
2600.0	-.0021	-.1574	89.9	369.83	960.5	405.1	.0000	.0000	.0344	.9995	.9989
2500.0	-.0020	-.1534	89.9	369.84	960.5	405.1	.0000	.0000	.0360	.9996	.9989
2400.0	-.0019	-.1494	89.9	369.84	960.5	405.1	.0000	.0000	.0375	.9996	.9990
2300.0	-.0017	-.1453	90.0	369.85	960.5	405.2	.0000	.0000	.0391	.9996	.9990
2200.0	-.0016	-.1411	90.0	369.86	960.5	405.2	.0000	.0000	.0409	.9996	.9991
2100.0	-.0015	-.1369	90.0	369.86	960.5	405.2	.0000	.0000	.0429	.9996	.9991

TABLE 1. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 370 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
2000.0	-.0014	-.1326	90.0	369.87	960.5	405.2	.0000	.0000	.0450	.9997	.9991
1900.0	-.0013	-.1283	90.0	369.88	960.5	405.3	.0000	.0000	.0474	.9997	.9992
1800.0	-.0012	-.1238	90.1	369.88	960.5	405.3	.0000	.0000	.0500	.9997	.9992
1700.0	-.0011	-.1193	90.1	369.89	960.4	405.3	.0000	.0000	.0530	.9997	.9993
1600.0	-.0010	-.1146	90.1	369.90	960.4	405.4	.0000	.0000	.0563	.9997	.9993
1500.0	-.0009	-.1099	90.1	369.91	960.4	405.4	.0000	.0000	.0601	.9997	.9994
1400.0	-.0008	-.1050	90.2	369.91	960.4	405.4	.0000	.0000	.0644	.9998	.9994
1300.0	-.0007	-.0999	90.2	369.92	960.4	405.4	.0000	.0000	.0694	.9998	.9995
1200.0	-.0006	-.0947	90.2	369.93	960.4	405.5	.0000	.0000	.0752	.9998	.9995
1100.0	-.0005	-.0893	90.2	369.93	960.4	405.5	.0000	.0000	.0820	.9998	.9995
1000.0	-.0004	-.0837	90.2	369.94	960.4	405.5	.0000	.0000	.0902	.9998	.9996
900.0	-.0004	-.0778	90.3	369.95	960.4	405.6	.0000	.0000	.1003	.9999	.9996
800.0	-.0003	-.0715	90.3	369.95	960.4	405.6	.0000	.0000	.1129	.9999	.9997
700.0	-.0002	-.0649	90.3	369.96	960.4	405.6	.0000	.0000	.1290	.9999	.9997
600.0	-.0002	-.0577	90.3	369.97	960.4	405.6	.0000	.0000	.1506	.9999	.9998
500.0	-.0001	-.0499	90.4	369.97	960.4	405.7	.0000	.0000	.1807	.9999	.9998
400.0	-.0001	-.0412	90.4	369.98	960.4	405.7	.0000	.0000	.2259	.9999	.9999
300.0	-.0001	-.0311	90.4	369.99	960.4	405.7	.0000	.0000	.3013	1.0000	.9999
200.0	-.0000	-.0189	90.4	369.99	960.4	405.8	.0000	.0000	.4521	1.0000	1.0000
100.0	-.0000	-.0021	90.4	370.00	960.4	405.8	.0000	.0000	.9045	1.0000	1.0000

TABLE ~. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 380 K)

PO KPA	XO	AO	P* KPA	T* K	ρ* KG/M3	H* KJ/KG	Y*	A*	PR	TR	ρR
22120.0	*******	********	121.9	379.42	954.3	441.3	.0000	.0000	.0055	.9958	.9904
22100.0	-4.2146	-13.7004	121.9	378.42	954.3	441.3	.0030	.0000	.0055	.9958	.9904
22000.0	-1.5461	-5.5532	122.0	378.42	954.3	441.3	.0000	.0000	.0055	.9959	.9904
21900.0	-1.0973	-4.1703	122.0	378.43	954.3	441.4	.0000	.0000	.0056	.9959	.9905
21800.0	-.8856	-3.5109	122.0	378.44	954.2	441.4	.0000	.0000	.0056	.9959	.9905
21700.0	-.7561	-3.1039	122.0	378.44	954.2	441.4	.0000	.0000	.0056	.9959	.9906
21600.0	-.6665	-2.8195	122.1	378.45	954.2	441.4	.0000	.0000	.0057	.9959	.9906
21500.0	-.5995	-2.6054	122.1	378.46	954.2	441.5	.0000	.0000	.0057	.9959	.9906
21400.0	-.5470	-2.4362	122.2	378.47	954.2	441.5	.0000	.0000	.0057	.9960	.9907
21300.0	-.5043	-2.2978	122.2	378.47	954.2	441.5	.0000	.0000	.0057	.9960	.9907
21200.0	-.4687	-2.1811	122.2	378.48	954.2	441.5	.0000	.0000	.0058	.9960	.9908
21100.0	-.4384	-2.0812	122.2	378.49	954.2	441.6	.0000	.0000	.0058	.9960	.9908
21000.0	-.4122	-1.9940	122.2	378.49	954.2	441.6	.0000	.0000	.0058	.9960	.9909
20900.0	-.3892	-1.9170	122.3	378.50	954.2	441.7	.0000	.0000	.0059	.9961	.9909
20800.0	-.3687	-1.8481	122.3	378.51	954.2	441.7	.0000	.0000	.0059	.9961	.9909
20700.0	-.3504	-1.7860	122.3	378.51	954.2	441.7	.0000	.0000	.0059	.9961	.9910
20600.0	-.3339	-1.7294	122.4	378.52	954.2	441.7	.0000	.0000	.0059	.9961	.9910
20500.0	-.3189	-1.6778	122.4	378.53	954.2	441.8	.0000	.0000	.0060	.9961	.9911
20400.0	-.3052	-1.6301	122.4	378.54	954.2	441.8	.0000	.0000	.0060	.9961	.9911
20300.0	-.2928	-1.5860	122.5	378.54	954.2	441.8	.0000	.0000	.0060	.9962	.9911
20200.0	-.2809	-1.5449	122.5	378.55	954.2	441.9	.0000	.0000	.0061	.9962	.9912
20100.0	-.2700	-1.5065	122.5	378.56	954.2	441.9	.0000	.0000	.0061	.9962	.9912
20000.0	-.2600	-1.4708	122.5	378.56	954.2	441.9	.0000	.0000	.0061	.9962	.9913
19900.0	-.2505	-1.4366	122.6	378.57	954.1	441.9	.0000	.0000	.0062	.9963	.9913
19800.0	-.2417	-1.4040	122.6	378.58	954.1	442.0	.0000	.0000	.0062	.9963	.9914
19700.0	-.2334	-1.3743	122.6	378.58	954.1	442.0	.0000	.0000	.0062	.9963	.9914
19600.0	-.2256	-1.3455	122.7	378.59	954.1	442.0	.0000	.0000	.0063	.9963	.9914
19500.0	-.2182	-1.3182	122.7	378.60	954.1	442.1	.0000	.0000	.0063	.9963	.9915
19400.0	-.2112	-1.2921	122.7	378.61	954.1	442.1	.0000	.0000	.0063	.9963	.9915
19300.0	-.2045	-1.2675	122.8	378.61	954.1	442.1	.0000	.0000	.0064	.9963	.9916
19200.0	-.1981	-1.2435	122.8	378.62	954.1	442.2	.0000	.0000	.0064	.9964	.9916
19130.0	-.1923	-1.2207	122.8	378.63	954.1	442.2	.0000	.0000	.0064	.9964	.9917
19000.0	-.1866	-1.1988	122.8	378.63	954.1	442.2	.0000	.0000	.0065	.9964	.9917
18900.0	-.1813	-1.1778	122.9	378.64	954.1	442.2	.0000	.0000	.0065	.9964	.9917
18800.0	-.1760	-1.1576	122.9	378.65	954.1	442.3	.0000	.0000	.0065	.9964	.9918
18700.0	-.1710	-1.1381	122.9	378.65	954.1	442.3	.0000	.0000	.0066	.9965	.9918
18600.0	-.1662	-1.1194	123.0	378.66	954.1	442.3	.0000	.0000	.0066	.9965	.9919
18500.0	-.1617	-1.1013	123.0	378.67	954.1	442.4	.0000	.0000	.0066	.9965	.9919
18400.0	-.1573	-1.0838	123.0	378.68	954.1	442.4	.0000	.0000	.0067	.9965	.9919
18300.0	-.1531	-1.0669	123.0	378.68	954.1	442.4	.0000	.0000	.0067	.9965	.9920
18200.0	-.1490	-1.0505	123.1	378.69	954.1	442.5	.0000	.0000	.0067	.9965	.9920
18100.0	-.1451	-1.0347	123.1	378.70	954.1	442.5	.0000	.0000	.0068	.9966	.9920
18000.0	-.1414	-1.0194	123.1	378.70	954.0	442.5	.0000	.0000	.0068	.9966	.9921
17900.0	-.1378	-1.0046	123.2	378.71	954.0	442.5	.0000	.0000	.0069	.9966	.9921
17800.0	-.1343	-.9902	123.2	378.72	954.0	442.6	.0000	.0000	.0069	.9966	.9922
17700.0	-.1310	-.9762	123.2	378.73	954.0	442.6	.0000	.0000	.0069	.9966	.9922
17600.0	-.1277	-.9626	123.3	378.73	954.0	442.6	.0000	.0000	.0070	.9966	.9922
17500.0	-.1246	-.9494	123.3	378.74	954.0	442.7	.0000	.0000	.0070	.9967	.9923
17400.0	-.1216	-.9365	123.3	378.75	954.0	442.7	.0000	.0000	.0071	.9967	.9923
17300.0	-.1187	-.9242	123.3	378.75	954.0	442.7	.0000	.0000	.0071	.9967	.9924
17200.0	-.1158	-.9120	123.4	378.76	954.0	442.8	.0000	.0000	.0071	.9967	.9924
17100.0	-.1131	-.9002	123.4	378.77	954.0	442.8	.0000	.0000	.0072	.9967	.9925
17000.0	-.1105	-.8887	123.4	378.77	954.0	442.8	.0000	.0000	.0073	.9968	.9925
16900.0	-.1079	-.8775	123.5	378.78	954.0	442.8	.0000	.0000	.0073	.9968	.9926
16800.0	-.1054	-.8666	123.5	378.79	954.0	442.9	.0000	.0000	.0074	.9968	.9926
16700.0	-.1030	-.8559	123.5	378.80	954.0	442.9	.0000	.0000	.0074	.9968	.9927
16600.0	-.1007	-.8455	123.6	378.80	954.0	442.9	.0000	.0000	.0074	.9969	.9927
16500.0	-.0985	-.8356	123.6	378.81	954.0	443.0	.0000	.0000	.0075	.9969	.9928
16400.0	-.0963	-.8257	123.6	378.82	954.0	443.0	.0000	.0000	.0075	.9969	.9928
16300.0	-.0942	-.8159	123.6	378.82	954.0	443.0	.0000	.0000	.0076	.9969	.9929
16200.0	-.0921	-.8064	123.7	378.83	954.0	443.1	.0000	.0000	.0076	.9969	.9929
16100.0	-.0901	-.7970	123.7	378.84	953.9	443.1	.0000	.0000	.0077	.9969	.9929
16000.0	-.0881	-.7879	123.7	378.85	953.9	443.1	.0000	.0000	.0077	.9970	.9930
15900.0	-.0862	-.7790	123.8	378.85	953.9	443.1	.0000	.0000	.0078	.9970	.9930
15800.0	-.0843	-.7701	123.8	378.86	953.9	443.2	.0000	.0000	.0078	.9970	.9931
15700.0	-.0825	-.7614	123.8	378.87	953.9	443.2	.0000	.0035	.0079	.9970	.9931
15600.0	-.0808	-.7529	123.9	378.87	953.9	443.2	.0000	.0000	.0079	.9970	.9931
15500.0	-.0790	-.7446	123.9	378.88	953.9	443.3	.0000	.0000	.0080	.9971	.9932
15400.0	-.0773	-.7364	123.9	378.89	953.9	443.3	.0000	.0000	.0080	.9971	.9932
15300.0	-.0757	-.7284	124.0	378.90	953.9	443.3	.0000	.0000	.0081	.9971	.9933
15200.0	-.0741	-.7204	124.0	378.90	953.9	443.4	.0000	.0000	.0081	.9971	.9933
15100.0	-.0725	-.7127	124.0	378.91	953.9	443.4	.0000	.0000	.0082	.9971	.9934
15000.0	-.0710	-.7050	124.0	378.92	953.9	443.4	.0000	.0000	.0083	.9971	.9934
14900.0	-.0695	-.6975	124.1	378.93	953.9	443.4	.0000	.0000	.0083	.9972	.9934
14800.0	-.0681	-.6901	124.1	378.93	953.9	443.5	.0000	.0000	.0084	.9972	.9935
14700.0	-.0666	-.6828	124.1	378.94	953.9	443.5	.0000	.0000	.0084	.9972	.9935
14600.0	-.0652	-.6756	124.2	378.95	953.9	443.5	.0000	.0000	.0085	.9972	.9936
14500.0	-.0639	-.6686	124.2	378.95	953.9	443.6	.0000	.0000	.0085	.9972	.9936
14400.0	-.0625	-.6616	124.2	378.96	953.9	443.6	.0000	.0000	.0086	.9973	.9937
14300.0	-.0613	-.6547	124.3	378.97	953.9	443.6	.0000	.0000	.0087	.9973	.9937
14200.0	-.0600	-.6480	124.3	378.97	953.9	443.7	.0000	.0000	.0088	.9973	.9937
14100.0	-.0587	-.6413	124.3	378.98	953.9	443.7	.0000	.0000	.0088	.9973	.9938
14000.0	-.0575	-.6348	124.3	378.99	953.8	443.7	.0000	.0000	.0089	.9973	.9938
13900.0	-.0563	-.6283	124.4	379.00	953.8	443.7	.0000	.0000	.0089	.9974	.9939
13800.0	-.0552	-.6219	124.4	379.00	953.8	443.8	.0000	.0000	.0090	.9974	.9939
13700.0	-.0540	-.6156	124.4	379.01	953.8	443.8	.0000	.0000	.0091	.9974	.9940
13600.0	-.0529	-.6094	124.5	379.02	953.8	443.8	.0000	.0033	.0092	.9974	.9940
13500.0	-.0518	-.6032	124.5	379.02	953.8	443.9	.0000	.0000	.0092	.9974	.9940
13400.0	-.0508	-.5972	124.5	379.03	953.8	443.9	.0000	.0000	.0093	.9974	.9941
13300.0	-.0497	-.5911	124.6	379.04	953.8	443.9	.0000	.0000	.0094	.9975	.9941
13200.0	-.0487	-.5853	124.6	379.05	953.8	444.0	.0000	.0000	.0094	.9975	.9942
13100.0	-.0477	-.5794	124.6	379.05	953.8	444.0	.0000	.0033	.0095	.9975	.9942
13000.0	-.0467	-.5736	124.7	379.06	953.8	444.0	.0000	.0000	.0096	.9975	.9943
12900.0	-.0458	-.5679	124.7	379.07	953.8	444.0	.0000	.0000	.0097	.9975	.9943
12800.0	-.0448	-.5623	124.7	379.07	953.8	444.1	.0000	.0000	.0097	.9976	.9943
12700.0	-.0439	-.5567	124.7	379.08	953.8	444.1	.0000	.0000	.0098	.9976	.9944
12600.0	-.0430	-.5512	124.8	379.09	953.8	444.1	.0000	.0000	.0099	.9976	.9944
12500.0	-.0421	-.5458	124.8	379.10	953.8	444.2	.0000	.0000	.0100	.9976	.9945
12400.0	-.0412	-.5404	124.8	379.10	953.8	444.2	.0000	.0000	.0101	.9976	.9945
12300.0	-.0404	-.5351	124.9	379.11	953.7	444.2	.0000	.0000	.0102	.9977	.9946
12200.0	-.0396	-.5298	124.9	379.12	953.7	444.3	.0000	.0000	.0102	.9977	.9946
12100.0	-.0387	-.5246	124.9	379.13	953.7	444.3	.0000	.0000	.0103	.9977	.9947

TABLE 2. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 380 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	Y*	A*	PR	TR	RR
12000.0	-.0379	-.5196	125.0	379.13	953.7	444.3	.0000	.0000	.0104	.9977	.9947
11900.0	-.0371	-.5143	125.0	379.14	953.7	444.3	.0000	.0000	.0105	.9977	.9947
11800.0	-.0364	-.5092	125.0	379.15	953.7	444.4	.0000	.0000	.0106	.9978	.9948
11700.0	-.0356	-.5043	125.1	379.15	953.7	444.4	.0000	.0000	.0107	.9978	.9948
11600.0	-.0349	-.4993	125.1	379.16	953.7	444.4	.0000	.0000	.0108	.9978	.9949
11500.0	-.0341	-.4944	125.1	379.17	953.7	444.5	.0000	.0000	.0109	.9978	.9949
11400.0	-.0334	-.4895	125.1	379.17	953.7	444.5	.0000	.0000	.0110	.9978	.9950
11300.0	-.0327	-.4847	125.2	379.18	953.7	444.5	.0000	.0000	.0111	.9979	.9950
11200.0	-.0320	-.4799	125.2	379.19	953.7	444.6	.0000	.0000	.0112	.9979	.9950
11100.0	-.0313	-.4752	125.2	379.20	953.7	444.6	.0000	.0000	.0113	.9979	.9951
11000.0	-.0307	-.4705	125.3	379.20	953.7	444.6	.0000	.0000	.0114	.9979	.9951
10900.0	-.0300	-.4658	125.3	379.21	953.7	444.7	.0000	.0000	.0115	.9979	.9952
10800.0	-.0294	-.4612	125.3	379.22	953.7	444.7	.0000	.0000	.0116	.9979	.9952
10700.0	-.0287	-.4566	125.4	379.22	953.7	444.7	.0000	.0000	.0117	.9980	.9953
10600.0	-.0281	-.4521	125.4	379.23	953.7	444.7	.0000	.0000	.0118	.9980	.9953
10500.0	-.0275	-.4476	125.4	379.24	953.6	444.8	.0000	.0000	.0119	.9980	.9953
10400.0	-.0269	-.4431	125.5	379.25	953.6	444.8	.0000	.0000	.0121	.9980	.9954
10300.0	-.0263	-.4387	125.5	379.25	953.6	444.8	.0000	.0000	.0122	.9980	.9954
10200.0	-.0258	-.4343	125.5	379.26	953.6	444.9	.0000	.0000	.0123	.9981	.9955
10100.0	-.0252	-.4300	125.6	379.27	953.6	444.9	.0000	.0000	.0124	.9981	.9955
10000.0	-.0246	-.4256	125.6	379.28	953.6	444.9	.0000	.0000	.0126	.9981	.9956
9900.0	-.0241	-.4213	125.6	379.28	953.6	445.0	.0000	.0000	.0127	.9981	.9956
9800.0	-.0235	-.4171	125.6	379.29	953.6	445.0	.0000	.0000	.0128	.9981	.9957
9700.0	-.0230	-.4128	125.7	379.30	953.6	445.0	.0000	.0000	.0130	.9981	.9957
9600.0	-.0225	-.4086	125.7	379.30	953.6	445.0	.0000	.0000	.0131	.9982	.9957
9500.0	-.0220	-.4045	125.7	379.31	953.6	445.1	.0000	.0000	.0132	.9982	.9958
9400.0	-.0214	-.4003	125.8	379.32	953.6	445.1	.0000	.0000	.0134	.9982	.9958
9300.0	-.0210	-.3962	125.8	379.33	953.6	445.1	.0000	.0000	.0135	.9982	.9959
9200.0	-.0205	-.3921	125.8	379.33	953.6	445.2	.0000	.0000	.0137	.9982	.9959
9100.0	-.0200	-.3881	125.9	379.34	953.6	445.2	.0000	.0000	.0138	.9983	.9960
9000.0	-.0196	-.3840	125.9	379.35	953.6	445.2	.0000	.0000	.0140	.9983	.9960
8900.0	-.0191	-.3800	125.9	379.35	953.6	445.3	.0000	.0000	.0141	.9983	.9961
8800.0	-.0187	-.3760	126.0	379.36	953.6	445.3	.0000	.0000	.0143	.9983	.9961
8700.0	-.0182	-.3720	126.0	379.37	953.6	445.3	.0000	.0000	.0145	.9983	.9961
8600.0	-.0178	-.3681	126.0	379.38	953.5	445.4	.0000	.0000	.0147	.9984	.9962
8500.0	-.0174	-.3642	126.1	379.38	953.5	445.4	.0000	.0000	.0148	.9984	.9962
8400.0	-.0169	-.3603	126.1	379.39	953.5	445.4	.0000	.0000	.0150	.9984	.9963
8300.0	-.0165	-.3564	126.1	379.40	953.5	445.4	.0000	.0000	.0152	.9984	.9963
8200.0	-.0161	-.3525	126.1	379.41	953.5	445.5	.0000	.0000	.0154	.9984	.9964
8100.0	-.0157	-.3487	126.2	379.41	953.5	445.5	.0000	.0000	.0156	.9985	.9964
8000.0	-.0153	-.3449	126.2	379.42	953.5	445.5	.0000	.0000	.0158	.9985	.9964
7900.0	-.0149	-.3411	126.2	379.43	953.5	445.6	.0000	.0000	.0160	.9985	.9965
7800.0	-.0146	-.3373	126.3	379.43	953.5	445.6	.0000	.0000	.0162	.9985	.9965
7700.0	-.0142	-.3335	126.3	379.44	953.5	445.6	.0000	.0000	.0164	.9985	.9966
7600.0	-.0138	-.3298	126.3	379.45	953.5	445.7	.0000	.0000	.0166	.9986	.9966
7500.0	-.0135	-.3261	126.4	379.46	953.5	445.7	.0000	.0000	.0168	.9986	.9967
7400.0	-.0131	-.3224	126.4	379.46	953.5	445.7	.0000	.0000	.0171	.9986	.9967
7300.0	-.0128	-.3187	126.4	379.47	953.5	445.8	.0000	.0000	.0173	.9986	.9968
7200.0	-.0124	-.3150	126.5	379.48	953.5	445.8	.0000	.0000	.0176	.9986	.9968
7100.0	-.0121	-.3113	126.5	379.49	953.5	445.8	.0000	.0000	.0179	.9986	.9968
7000.0	-.0118	-.3076	126.5	379.49	953.5	445.8	.0000	.0000	.0181	.9987	.9969
6900.0	-.0114	-.3040	126.6	379.50	953.5	445.9	.0000	.0000	.0183	.9987	.9969
6800.0	-.0111	-.3003	126.6	379.51	953.4	445.9	.0000	.0000	.0186	.9987	.9970
6700.0	-.0108	-.2967	126.6	379.51	953.4	445.9	.0000	.0000	.0189	.9987	.9970
6600.0	-.0105	-.2931	126.7	379.52	953.4	446.0	.0000	.0000	.0192	.9987	.9971
6500.0	-.0102	-.2895	126.7	379.53	953.4	446.0	.0000	.0000	.0195	.9988	.9971
6400.0	-.0099	-.2859	126.7	379.54	953.4	446.0	.0000	.0000	.0198	.9988	.9972
6300.0	-.0096	-.2823	126.7	379.54	953.4	446.1	.0000	.0000	.0201	.9988	.9972
6200.0	-.0093	-.2788	126.8	379.55	953.4	446.1	.0000	.0000	.0204	.9988	.9973
6100.0	-.0090	-.2752	126.8	379.56	953.4	446.1	.0000	.0000	.0208	.9988	.9973
6000.0	-.0088	-.2716	126.8	379.57	953.4	446.2	.0000	.0000	.0211	.9989	.9973
5900.0	-.0085	-.2681	126.9	379.57	953.4	446.2	.0000	.0000	.0215	.9989	.9974
5800.0	-.0082	-.2645	126.9	379.58	953.4	446.2	.0000	.0000	.0219	.9989	.9974
5700.0	-.0080	-.2610	126.9	379.59	953.4	446.3	.0000	.0000	.0223	.9989	.9975
5600.0	-.0077	-.2574	127.0	379.60	953.4	446.3	.0000	.0000	.0227	.9989	.9975
5500.0	-.0075	-.2539	127.0	379.60	953.4	446.3	.0000	.0000	.0231	.9990	.9976
5400.0	-.0072	-.2504	127.0	379.61	953.4	446.3	.0000	.0000	.0236	.9990	.9976
5300.0	-.0070	-.2469	127.1	379.62	953.4	446.4	.0000	.0000	.0240	.9990	.9977
5200.0	-.0067	-.2433	127.1	379.62	953.4	446.4	.0000	.0000	.0244	.9990	.9977
5100.0	-.0065	-.2398	127.1	379.63	953.4	446.4	.0000	.0000	.0249	.9990	.9977
5000.0	-.0063	-.2363	127.2	379.64	953.3	446.5	.0000	.0000	.0254	.9991	.9978
4900.0	-.0060	-.2327	127.2	379.65	953.3	446.5	.0000	.0000	.0260	.9991	.9978
4800.0	-.0058	-.2292	127.2	379.65	953.3	446.5	.0000	.0000	.0265	.9991	.9979
4700.0	-.0056	-.2257	127.3	379.66	953.3	446.6	.0000	.0000	.0271	.9991	.9979
4600.0	-.0054	-.2221	127.3	379.67	953.3	446.6	.0000	.0000	.0277	.9991	.9980
4500.0	-.0052	-.2186	127.3	379.68	953.3	446.6	.0000	.0000	.0283	.9991	.9980
4400.0	-.0050	-.2150	127.4	379.68	953.3	446.7	.0000	.0000	.0289	.9992	.9981
4300.0	-.0048	-.2114	127.4	379.69	953.3	446.7	.0000	.0000	.0296	.9992	.9981
4200.0	-.0046	-.2079	127.4	379.70	953.3	446.7	.0000	.0000	.0303	.9992	.9981
4100.0	-.0044	-.2043	127.5	379.71	953.3	446.7	.0000	.0000	.0311	.9992	.9982
4000.0	-.0042	-.2007	127.5	379.71	953.3	446.8	.0000	.0000	.0319	.9992	.9982
3900.0	-.0040	-.1971	127.5	379.72	953.3	446.8	.0000	.0000	.0327	.9993	.9983
3800.0	-.0039	-.1935	127.6	379.73	953.3	446.8	.0000	.0000	.0336	.9993	.9983
3700.0	-.0037	-.1899	127.6	379.74	953.3	446.9	.0000	.0000	.0345	.9993	.9984
3600.0	-.0035	-.1863	127.6	379.74	953.3	446.9	.0000	.0000	.0354	.9993	.9984
3500.0	-.0034	-.1826	127.6	379.75	953.3	446.9	.0000	.0000	.0365	.9993	.9985
3400.0	-.0032	-.1789	127.7	379.76	953.3	447.0	.0000	.0000	.0376	.9994	.9985
3300.0	-.0030	-.1752	127.7	379.76	953.3	447.0	.0000	.0000	.0387	.9994	.9986
3200.0	-.0029	-.1715	127.7	379.77	953.3	447.0	.0000	.0000	.0399	.9994	.9986
3100.0	-.0027	-.1678	127.8	379.78	953.2	447.1	.0000	.0000	.0412	.9994	.9986
3000.0	-.0026	-.1640	127.8	379.79	953.2	447.1	.0000	.0000	.0426	.9994	.9987
2900.0	-.0024	-.1602	127.8	379.79	953.2	447.1	.0000	.0000	.0441	.9995	.9987
2800.0	-.0022	-.1563	127.9	379.80	953.2	447.2	.0000	.0000	.0457	.9995	.9988
2700.0	-.0020	-.1524	127.9	379.81	953.2	447.2	.0000	.0000	.0474	.9995	.9988
2600.0	-.0019	-.1485	127.9	379.82	953.2	447.2	.0000	.0000	.0492	.9995	.9989
2500.0	-.0018	-.1446	128.0	379.82	953.2	447.2	.0000	.0000	.0512	.9995	.9989
2400.0	-.0016	-.1406	128.0	379.83	953.2	447.3	.0000	.0000	.0531	.9996	.9990
2300.0	-.0015	-.1365	128.0	379.84	953.2	447.3	.0000	.0000	.0552	.9996	.9990
2200.0	-.0013	-.1324	128.1	379.85	953.2	447.3	.0000	.0000	.0573	.9996	.9991
2100.0	-.0012	-.1282	128.1	379.85	953.2	447.4	.0000	.0000	.0595	.9996	.9991

TABLE 7. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 380 K)

PO KPa	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
2000.0	-.0013	-.1239	128.1	379.86	953.2	447.4	.0000	.0000	.0641	.9996	.9991
1900.0	-.0012	-.1196	128.2	379.87	953.2	447.4	.0000	.0000	.0675	.9997	.9992
1800.0	-.0011	-.1152	128.2	379.88	953.2	447.5	.0000	.0000	.0712	.9997	.9992
1700.0	-.0010	-.1107	128.2	379.88	953.2	447.5	.0000	.0000	.0754	.9997	.9993
1600.0	-.0009	-.1061	128.3	379.89	953.2	447.5	.0000	.0000	.0802	.9997	.9993
1500.0	-.0008	-.1014	128.3	379.90	953.2	447.6	.0000	.0000	.0855	.9997	.9994
1400.0	-.0007	-.0965	128.3	379.91	953.2	447.6	.0000	.0000	.0917	.9998	.9994
1300.0	-.0006	-.0913	128.4	379.91	953.2	447.6	.0000	.0000	.0987	.9998	.9995
1200.0	-.0006	-.0864	128.4	379.92	953.2	447.7	.0000	.0000	.1070	.9998	.9995
1100.0	-.0005	-.0810	128.4	379.93	953.1	447.7	.0000	.0000	.1168	.9998	.9996
1000.0	-.0004	-.0754	128.5	379.94	953.1	447.7	.0000	.0000	.1285	.9998	.9996
900.0	-.0003	-.0695	128.5	379.94	953.1	447.7	.0000	.0000	.1428	.9998	.9996
800.0	-.0003	-.0633	128.5	379.95	953.1	447.8	.0000	.0000	.1607	.9999	.9997
700.0	-.0002	-.0567	128.6	379.96	953.1	447.8	.0000	.0000	.1837	.9999	.9997
600.0	-.0002	-.0496	128.6	379.96	953.1	447.8	.0000	.0000	.2143	.9999	.9998
500.0	-.0001	-.0419	128.6	379.97	953.1	447.9	.0000	.0000	.2572	.9999	.9998
400.0	-.0001	-.0332	128.7	379.98	953.1	447.9	.0000	.0000	.3216	.9999	.9999
300.0	-.0000	-.0233	128.7	379.99	953.1	447.9	.0000	.0000	.4290	1.0000	.9999
200.0	-.0000	-.0111	128.7	379.99	953.1	448.0	.0000	.0000	.6436	1.0000	1.0000

TABLE . SUBCOOLED CRITICAL STATE PROPERTIES

(TO 390 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
22120.0	*******	********	169.7	388.27	946.7	483.0	.0000	.0000	.0077	.9956	.9902
22100.0	-4.1966	-13.5372	169.7	388.27	946.7	483.0	.0000	.0000	.0077	.9956	.9902
22000.0	-1.5385	-5.4834	169.8	388.29	946.7	483.0	.0000	.0000	.0077	.9956	.9902
21900.0	-1.0915	-4.1164	169.8	388.28	946.7	483.1	.0000	.0000	.0078	.9956	.9903
21800.0	-.4907	-3.4645	169.8	388.29	946.7	483.1	.0000	.0000	.0078	.9956	.9903
21700.0	-.7518	-3.0622	169.9	388.30	946.7	483.1	.0000	.0000	.0078	.9956	.9903
21600.0	-.6625	-2.7810	169.9	388.31	946.7	483.2	.0000	.0000	.0079	.9957	.9904
21500.0	-.5958	-2.5694	170.0	388.31	946.7	483.2	.0000	.0000	.0079	.9957	.9904
21400.0	-.5435	-2.4021	170.0	388.32	946.7	483.2	.0000	.0000	.0079	.9957	.9905
21300.0	-.5016	-2.2651	170.0	388.33	946.7	483.3	.0000	.0000	.0080	.9957	.9905
21200.0	-.4656	-2.1490	170.1	388.34	946.7	483.3	.0000	.0000	.0080	.9957	.9906
21100.0	-.4354	-2.0511	170.1	388.34	946.7	483.3	.0000	.0000	.0081	.9958	.9906
21000.0	-.4093	-1.9649	170.2	388.35	946.7	483.4	.0000	.0000	.0081	.9958	.9906
20900.0	-.3864	-1.8887	170.2	388.36	946.7	483.4	.0000	.0000	.0081	.9958	.9907
20800.0	-.3661	-1.8207	170.3	388.37	946.6	483.4	.0000	.0000	.0082	.9958	.9907
20700.0	-.3478	-1.7593	170.3	388.37	946.6	483.4	.0000	.0000	.0082	.9959	.9908
20600.0	-.3314	-1.7034	170.3	388.38	946.6	483.5	.0000	.0000	.0083	.9959	.9909
20500.0	-.3165	-1.6523	170.4	388.39	946.6	483.5	.0000	.0000	.0083	.9959	.9909
20400.0	-.3028	-1.6051	170.4	388.40	946.6	483.5	.0000	.0000	.0084	.9959	.9909
20300.0	-.2903	-1.5615	170.5	388.41	946.6	483.6	.0000	.0000	.0084	.9959	.9909
20200.0	-.2787	-1.5209	170.5	388.41	946.6	483.6	.0000	.0000	.0084	.9959	.9910
20100.0	-.2679	-1.4829	170.6	388.42	946.6	483.6	.0000	.0000	.0085	.9960	.9910
20000.0	-.2579	-1.4473	170.6	388.43	946.6	483.7	.0000	.0000	.0085	.9960	.9911
19900.0	-.2485	-1.4138	170.6	388.44	946.6	483.7	.0000	.0000	.0086	.9960	.9911
19800.0	-.2397	-1.3821	170.7	388.44	946.5	483.7	.0000	.0000	.0086	.9960	.9912
19700.0	-.2314	-1.3522	170.7	388.45	946.6	483.8	.0000	.0000	.0087	.9960	.9912
19600.0	-.2237	-1.3238	170.8	388.46	946.6	483.8	.0000	.0000	.0087	.9960	.9912
19500.0	-.2163	-1.2967	170.8	388.47	946.6	483.8	.0000	.0000	.0088	.9961	.9913
19400.0	-.2094	-1.2709	170.9	388.47	946.6	483.9	.0000	.0000	.0088	.9961	.9913
19300.0	-.2028	-1.2463	170.9	388.48	946.6	483.9	.0000	.0000	.0089	.9961	.9914
19200.0	-.1965	-1.2225	170.9	388.49	946.5	483.9	.0000	.0000	.0089	.9961	.9914
19100.0	-.1906	-1.2003	171.0	388.50	946.5	484.0	.0000	.0000	.0090	.9961	.9915
19000.0	-.1849	-1.1786	171.0	388.51	946.5	484.0	.0000	.0000	.0090	.9962	.9915
18900.0	-.1795	-1.1578	171.1	388.51	946.5	484.0	.0000	.0000	.0091	.9962	.9916
18800.0	-.1743	-1.1379	171.1	388.52	946.5	484.1	.0000	.0000	.0091	.9962	.9916
18700.0	-.1694	-1.1186	171.2	388.53	946.5	484.1	.0000	.0000	.0092	.9962	.9916
18600.0	-.1646	-1.1001	171.2	388.54	946.5	484.1	.0000	.0000	.0092	.9962	.9917
18500.0	-.1601	-1.0822	171.2	388.54	946.5	484.2	.0000	.0000	.0093	.9963	.9917
18400.0	-.1557	-1.0649	171.3	388.55	946.5	484.2	.0000	.0000	.0093	.9963	.9918
18300.0	-.1516	-1.0482	171.3	388.56	946.5	484.2	.0000	.0000	.0094	.9963	.9918
18200.0	-.1475	-1.0320	171.4	388.57	946.5	484.3	.0000	.0000	.0094	.9963	.9919
18100.0	-.1437	-1.0164	171.4	388.57	946.5	484.3	.0000	.0000	.0095	.9963	.9919
18000.0	-.1400	-1.0012	171.5	388.58	946.5	484.3	.0000	.0000	.0095	.9964	.9919
17900.0	-.1364	-.9865	171.5	388.59	946.5	484.4	.0000	.0000	.0096	.9964	.9920
17800.0	-.1329	-.9723	171.5	388.60	946.5	484.4	.0000	.0000	.0096	.9964	.9920
17700.0	-.1296	-.9585	171.6	388.61	946.5	484.4	.0000	.0000	.0097	.9964	.9921
17600.0	-.1264	-.9450	171.6	388.61	946.5	484.5	.0000	.0000	.0098	.9964	.9921
17500.0	-.1233	-.9320	171.7	388.62	946.4	484.5	.0000	.0000	.0098	.9965	.9922
17400.0	-.1203	-.9193	171.7	388.63	946.4	484.5	.0000	.0000	.0099	.9965	.9922
17300.0	-.1174	-.9070	171.8	388.64	946.4	484.6	.0000	.0000	.0099	.9965	.9923
17200.0	-.1146	-.8950	171.8	388.64	946.4	484.6	.0000	.0000	.0100	.9965	.9923
17100.0	-.1118	-.8833	171.8	388.65	946.4	484.6	.0000	.0000	.0100	.9965	.9923
17000.0	-.1092	-.8719	171.9	388.66	946.4	484.7	.0000	.0000	.0101	.9966	.9924
16900.0	-.1067	-.8608	171.9	388.67	946.4	484.7	.0000	.0000	.0102	.9966	.9924
16800.0	-.1042	-.8500	172.0	388.68	946.4	484.7	.0000	.0000	.0102	.9966	.9925
16700.0	-.1018	-.8395	172.0	388.68	946.4	484.8	.0000	.0000	.0103	.9966	.9925
16600.0	-.0995	-.8292	172.1	388.69	946.4	484.8	.0000	.0000	.0104	.9966	.9926
16500.0	-.0973	-.8194	172.1	388.70	946.4	484.8	.0000	.0000	.0104	.9967	.9926
16400.0	-.0951	-.8096	172.2	388.71	946.4	484.9	.0000	.0000	.0105	.9967	.9926
16300.0	-.0930	-.7999	172.2	388.71	946.4	484.9	.0000	.0000	.0106	.9967	.9927
16200.0	-.0910	-.7905	172.2	388.72	946.4	484.9	.0000	.0000	.0106	.9967	.9927
16100.0	-.0890	-.7812	172.3	388.73	946.4	485.0	.0000	.0000	.0107	.9967	.9928
16000.0	-.0870	-.7722	172.3	388.74	946.4	485.0	.0000	.0000	.0108	.9968	.9928
15900.0	-.0851	-.7633	172.4	388.75	946.3	485.0	.0000	.0000	.0108	.9968	.9929
15800.0	-.0833	-.7546	172.4	388.75	946.3	485.1	.0000	.0000	.0109	.9968	.9929
15700.0	-.0815	-.7460	172.5	388.76	946.3	485.1	.0000	.0000	.0110	.9968	.9929
15600.0	-.0797	-.7376	172.5	388.77	946.3	485.1	.0000	.0000	.0111	.9968	.9930
15500.0	-.0780	-.7293	172.5	388.78	946.3	485.2	.0000	.0000	.0111	.9969	.9930
15400.0	-.0763	-.7212	172.6	388.78	946.3	485.2	.0000	.0000	.0112	.9969	.9931
15300.0	-.0747	-.7133	172.6	388.79	946.3	485.2	.0000	.0000	.0113	.9969	.9931
15200.0	-.0731	-.7055	172.7	388.80	946.3	485.3	.0000	.0000	.0114	.9969	.9932
15100.0	-.0716	-.6979	172.7	388.81	946.3	485.3	.0000	.0000	.0114	.9969	.9932
15000.0	-.0701	-.6902	172.8	388.82	946.3	485.3	.0000	.0000	.0115	.9970	.9933
14900.0	-.0686	-.6827	172.8	388.82	946.3	485.4	.0000	.0000	.0116	.9970	.9933
14800.0	-.0671	-.6754	172.8	388.83	946.3	485.4	.0000	.0000	.0117	.9970	.9933
14700.0	-.0657	-.6682	172.9	388.84	946.3	485.4	.0000	.0000	.0118	.9970	.9934
14600.0	-.0643	-.6611	172.9	388.85	946.3	485.4	.0000	.0000	.0118	.9970	.9934
14500.0	-.0630	-.6541	173.0	388.85	946.3	485.5	.0000	.0000	.0119	.9971	.9935
14400.0	-.0617	-.6472	173.0	388.86	946.3	485.5	.0000	.0000	.0120	.9971	.9935
14300.0	-.0604	-.6404	173.1	388.87	946.2	485.5	.0000	.0000	.0121	.9971	.9936
14200.0	-.0591	-.6338	173.1	388.88	946.2	485.6	.0000	.0000	.0122	.9971	.9936
14100.0	-.0579	-.6272	173.2	388.89	946.2	485.6	.0000	.0000	.0123	.9971	.9936
14000.0	-.0567	-.6207	173.2	388.89	946.2	485.6	.0000	.0000	.0124	.9972	.9937
13900.0	-.0555	-.6143	173.2	388.90	946.2	485.7	.0000	.0000	.0125	.9972	.9937
13800.0	-.0544	-.6079	173.3	388.91	946.2	485.7	.0000	.0000	.0126	.9972	.9938
13700.0	-.0532	-.6017	173.3	388.92	946.2	485.7	.0000	.0000	.0127	.9972	.9938
13600.0	-.0521	-.5955	173.4	388.92	946.2	485.8	.0000	.0000	.0127	.9972	.9939
13500.0	-.0511	-.5894	173.4	388.93	946.2	485.8	.0000	.0000	.0128	.9973	.9939
13400.0	-.0500	-.5834	173.5	388.94	946.2	485.8	.0000	.0000	.0129	.9973	.9940
13300.0	-.0490	-.5775	173.5	388.95	946.2	485.9	.0000	.0000	.0130	.9973	.9940
13200.0	-.0480	-.5717	173.6	388.95	946.2	485.9	.0000	.0000	.0131	.9973	.9940
13100.0	-.0470	-.5659	173.6	388.96	946.2	485.9	.0000	.0000	.0133	.9973	.9941
13000.0	-.0460	-.5602	173.6	388.97	946.2	486.0	.0000	.0000	.0134	.9974	.9941
12900.0	-.0450	-.5545	173.7	388.98	946.2	486.0	.0000	.0000	.0135	.9974	.9941
12800.0	-.0441	-.5490	173.7	388.99	946.2	486.0	.0000	.0000	.0134	.9974	.9942
12700.0	-.0432	-.5434	173.8	389.00	946.1	486.1	.0000	.0000	.0134	.9974	.9941
12600.0	-.0423	-.5380	173.8	389.00	946.1	486.1	.0000	.0000	.0138	.9974	.9941
12500.0	-.0414	-.5326	173.9	389.01	946.1	486.1	.0000	.0000	.0139	.9975	.9944
12400.0	-.0406	-.5273	173.9	389.02	946.1	486.2	.0000	.0000	.0140	.9975	.9944
12300.0	-.0397	-.5220	174.0	389.03	946.1	486.2	.0000	.0000	.0141	.9975	.9944
12200.0	-.0389	-.5169	174.0	389.03	946.1	486.2	.0000	.0000	.0143	.9974	.9945
12100.0	-.0381	-.5116	174.0	389.04	946.1	486.3	.0000	.0000	.0144	.9975	.9945

TABLE 2. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 390 K)

PO KPA	XO	AO	P* KPA	T* K	Q* KG/M3	H* KJ/KG	X*	A*	PR	TR	QR
12000.0	-.0373	-.5065	174.1	389.05	946.1	486.3	.0000	.0000	.0145	.9976	.9946
11900.0	-.0365	-.5014	174.1	389.06	946.1	486.3	.0000	.0000	.0146	.9976	.9946
11800.0	-.0357	-.4964	174.2	389.07	946.1	486.4	.0000	.0000	.0148	.9976	.9947
11700.0	-.0350	-.4915	174.2	389.07	946.1	486.4	.0000	.0000	.0149	.9976	.9947
11600.0	-.0342	-.4866	174.3	389.08	946.1	486.4	.0000	.0000	.0150	.9976	.9948
11500.0	-.0335	-.4817	174.3	389.09	946.1	486.5	.0000	.0000	.0152	.9977	.9948
11400.0	-.0328	-.4769	174.4	389.10	946.1	486.5	.0000	.0000	.0153	.9977	.9948
11300.0	-.0321	-.4721	174.4	389.11	946.1	486.5	.0000	.0000	.0154	.9977	.9949
11200.0	-.0314	-.4674	174.4	389.11	946.1	486.6	.0000	.0000	.0156	.9977	.9949
11100.0	-.0308	-.4627	174.5	389.12	946.0	486.6	.0000	.0000	.0157	.9977	.9950
11000.0	-.0301	-.4580	174.5	389.13	946.0	486.6	.0000	.0000	.0159	.9978	.9950
10900.0	-.0295	-.4534	174.6	389.14	946.0	486.7	.0000	.0000	.0160	.9978	.9951
10800.0	-.0288	-.4489	174.6	389.14	946.0	486.7	.0000	.0000	.0162	.9978	.9951
10700.0	-.0282	-.4443	174.7	389.15	946.0	486.7	.0000	.0000	.0163	.9979	.9952
10600.0	-.0276	-.4398	174.7	389.16	946.0	486.8	.0000	.0000	.0165	.9978	.9952
10500.0	-.0270	-.4354	174.8	389.17	946.0	486.8	.0000	.0000	.0166	.9979	.9953
10400.0	-.0264	-.4310	174.8	389.18	946.0	486.9	.0000	.0000	.0168	.9979	.9953
10300.0	-.0258	-.4266	174.9	389.18	946.0	486.9	.0000	.0000	.0170	.9979	.9953
10200.0	-.0252	-.4222	174.9	389.19	946.0	486.9	.0000	.0000	.0171	.9979	.9954
10100.0	-.0247	-.4179	174.9	389.20	946.0	487.0	.0000	.0000	.0173	.9979	.9954
10000.0	-.0241	-.4136	175.0	389.21	946.0	487.0	.0000	.0000	.0175	.9980	.9955
9900.0	-.0236	-.4094	175.0	389.22	946.0	487.0	.0000	.0000	.0177	.9980	.9955
9800.0	-.0231	-.4052	175.1	389.22	946.0	487.1	.0000	.0000	.0179	.9980	.9956
9700.0	-.0225	-.4010	175.1	389.23	946.0	487.1	.0000	.0000	.0181	.9980	.9956
9600.0	-.0220	-.3968	175.2	389.24	946.0	487.1	.0000	.0000	.0182	.9981	.9957
9500.0	-.0215	-.3927	175.2	389.25	945.9	487.2	.0000	.0000	.0184	.9981	.9957
9400.0	-.0210	-.3886	175.2	389.26	945.9	487.2	.0000	.0000	.0186	.9981	.9957
9300.0	-.0205	-.3845	175.3	389.26	945.9	487.2	.0000	.0000	.0188	.9981	.9958
9200.0	-.0201	-.3805	175.3	389.27	945.9	487.3	.0000	.0000	.0191	.9981	.9958
9100.0	-.0196	-.3764	175.4	389.28	945.9	487.3	.0000	.0000	.0193	.9982	.9959
9000.0	-.0191	-.3724	175.4	389.29	945.9	487.3	.0000	.0000	.0195	.9982	.9959
8900.0	-.0187	-.3685	175.5	389.30	945.9	487.4	.0000	.0000	.0197	.9982	.9960
8800.0	-.0182	-.3645	175.5	389.30	945.9	487.4	.0000	.0000	.0199	.9982	.9960
8700.0	-.0178	-.3606	175.5	389.31	945.9	487.4	.0000	.0000	.0202	.9983	.9961
8600.0	-.0174	-.3567	175.6	389.32	945.9	487.5	.0000	.0000	.0204	.9983	.9961
8500.0	-.0169	-.3528	175.7	389.33	945.9	487.5	.0000	.0000	.0207	.9983	.9962
8400.0	-.0165	-.3489	175.7	389.34	945.9	487.5	.0000	.0000	.0209	.9983	.9962
8300.0	-.0161	-.3451	175.7	389.34	945.9	487.6	.0000	.0000	.0212	.9983	.9962
8200.0	-.0157	-.3413	175.8	389.35	945.9	487.6	.0000	.0000	.0214	.9983	.9963
8100.0	-.0153	-.3375	175.8	389.36	945.9	487.6	.0000	.0000	.0217	.9984	.9963
8000.0	-.0149	-.3337	175.9	389.37	945.9	487.7	.0000	.0000	.0220	.9984	.9964
7900.0	-.0146	-.3299	175.9	389.38	945.8	487.7	.0000	.0000	.0223	.9984	.9964
7800.0	-.0142	-.3262	176.0	389.38	945.8	487.7	.0000	.0000	.0226	.9984	.9965
7700.0	-.0138	-.3224	176.0	389.39	945.8	487.8	.0000	.0000	.0229	.9984	.9965
7600.0	-.0135	-.3187	176.1	389.40	945.8	487.8	.0000	.0000	.0232	.9985	.9966
7500.0	-.0131	-.3150	176.1	389.41	945.8	487.8	.0000	.0000	.0235	.9985	.9966
7400.0	-.0128	-.3114	176.2	389.42	945.8	487.9	.0000	.0000	.0238	.9985	.9967
7300.0	-.0124	-.3077	176.2	389.42	945.8	487.9	.0000	.0000	.0241	.9985	.9967
7200.0	-.0121	-.3040	176.3	389.43	945.8	487.9	.0000	.0000	.0245	.9985	.9967
7100.0	-.0118	-.3004	176.3	389.44	945.8	488.0	.0000	.0000	.0248	.9986	.9968
7000.0	-.0114	-.2968	176.3	389.45	945.8	488.0	.0000	.0000	.0252	.9986	.9968
6900.0	-.0111	-.2932	176.4	389.46	945.8	488.0	.0000	.0000	.0256	.9986	.9969
6800.0	-.0108	-.2896	176.4	389.46	945.8	488.1	.0000	.0000	.0259	.9986	.9969
6700.0	-.0105	-.2860	176.5	389.47	945.8	488.1	.0000	.0000	.0263	.9986	.9970
6600.0	-.0102	-.2824	176.5	389.48	945.8	488.1	.0000	.0000	.0267	.9987	.9970
6500.0	-.0099	-.2788	176.6	389.49	945.8	488.2	.0000	.0000	.0272	.9987	.9971
6400.0	-.0096	-.2753	176.6	389.50	945.8	488.2	.0000	.0000	.0276	.9987	.9971
6300.0	-.0093	-.2717	176.7	389.50	945.7	488.3	.0000	.0000	.0280	.9987	.9972
6200.0	-.0090	-.2682	176.7	389.51	945.7	488.3	.0000	.0000	.0285	.9987	.9972
6100.0	-.0088	-.2646	176.8	389.52	945.7	488.3	.0000	.0000	.0290	.9988	.9972
6000.0	-.0085	-.2611	176.8	389.53	945.7	488.3	.0000	.0000	.0295	.9988	.9973
5900.0	-.0082	-.2575	176.8	389.54	945.7	488.4	.0000	.0000	.0300	.9988	.9973
5800.0	-.0080	-.2541	176.9	389.54	945.7	488.4	.0000	.0000	.0305	.9988	.9974
5700.0	-.0077	-.2506	176.9	389.55	945.7	488.4	.0000	.0000	.0310	.9989	.9974
5600.0	-.0075	-.2471	177.0	389.56	945.7	488.5	.0000	.0000	.0315	.9989	.9975
5500.0	-.0072	-.2436	177.0	389.57	945.7	488.5	.0000	.0000	.0322	.9989	.9975
5400.0	-.0070	-.2401	177.1	389.58	945.7	488.5	.0000	.0000	.0328	.9989	.9976
5300.0	-.0067	-.2366	177.1	389.58	945.7	488.6	.0000	.0000	.0334	.9989	.9976
5200.0	-.0065	-.2331	177.2	389.59	945.7	488.6	.0000	.0000	.0341	.9990	.9977
5100.0	-.0063	-.2295	177.2	389.60	945.7	488.6	.0000	.0000	.0347	.9990	.9977
5000.0	-.0060	-.2261	177.3	389.61	945.7	488.7	.0000	.0000	.0355	.9990	.9978
4900.0	-.0058	-.2226	177.3	389.62	945.7	488.7	.0000	.0000	.0362	.9990	.9978
4800.0	-.0056	-.2191	177.4	389.62	945.7	488.7	.0000	.0000	.0369	.9990	.9978
4700.0	-.0054	-.2156	177.4	389.63	945.6	488.8	.0000	.0000	.0377	.9991	.9979
4600.0	-.0052	-.2121	177.4	389.64	945.6	488.8	.0000	.0000	.0386	.9991	.9979
4500.0	-.0050	-.2085	177.5	389.65	945.6	488.9	.0000	.0000	.0394	.9991	.9980
4400.0	-.0048	-.2050	177.5	389.66	945.6	488.9	.0000	.0000	.0403	.9991	.9980
4300.0	-.0046	-.2015	177.6	389.66	945.6	488.9	.0000	.0000	.0413	.9991	.9981
4200.0	-.0044	-.1980	177.6	389.67	945.5	489.0	.0000	.0000	.0423	.9992	.9981
4100.0	-.0042	-.1944	177.7	389.68	945.6	489.0	.0000	.0000	.0433	.9992	.9982
4000.0	-.0041	-.1909	177.7	389.69	945.6	489.0	.0000	.0000	.0444	.9992	.9982
3900.0	-.0039	-.1873	177.8	389.70	945.6	489.1	.0000	.0000	.0456	.9992	.9983
3800.0	-.0037	-.1837	177.8	389.70	945.6	489.1	.0000	.0000	.0468	.9992	.9983
3700.0	-.0035	-.1801	177.9	389.71	945.5	489.1	.0000	.0000	.0481	.9993	.9984
3600.0	-.0034	-.1765	177.9	389.72	945.6	489.2	.0000	.0000	.0494	.9993	.9984
3500.0	-.0032	-.1729	178.0	389.73	945.6	489.2	.0000	.0000	.0508	.9993	.9984
3400.0	-.0030	-.1693	178.0	389.74	945.6	489.2	.0000	.0000	.0524	.9993	.9985
3300.0	-.0029	-.1656	178.0	389.75	945.6	489.3	.0000	.0000	.0540	.9993	.9985
3200.0	-.0027	-.1619	178.1	389.75	945.5	489.3	.0000	.0000	.0557	.9994	.9986
3100.0	-.0026	-.1582	178.1	389.76	945.5	489.3	.0000	.0000	.0575	.9994	.9986
3000.0	-.0024	-.1544	178.2	389.77	945.5	489.4	.0000	.0000	.0594	.9994	.9987
2900.0	-.0023	-.1507	178.2	389.78	945.5	489.4	.0000	.0000	.0614	.9994	.9987
2800.0	-.0022	-.1469	178.3	389.78	945.5	489.4	.0000	.0000	.0637	.9995	.9988
2700.0	-.0020	-.1430	178.3	389.79	945.5	489.5	.0000	.0000	.0660	.9995	.9988
2600.0	-.0019	-.1391	178.4	389.80	945.5	489.5	.0000	.0000	.0686	.9995	.9989
2500.0	-.0018	-.1352	178.4	389.81	945.5	489.5	.0000	.0000	.0714	.9995	.9989
2400.0	-.0017	-.1313	178.5	389.82	945.5	489.6	.0000	.0000	.0744	.9995	.9990
2300.0	-.0016	-.1272	178.5	389.83	945.5	489.6	.0000	.0000	.0776	.9996	.9990
2200.0	-.0014	-.1231	178.6	389.83	945.5	489.6	.0000	.0000	.0812	.9996	.9991
2100.0	-.0013	-.1190	178.6	389.84	945.5	489.7	.0000	.0000	.0851	.9996	.9991

TABLE 2. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 390 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
2000.0	-.0012	-.1148	178.7	389.85	945.5	489.7	.0000	.0000	.0893	.9996	.9991
1900.0	-.0011	-.1105	178.7	389.86	945.5	489.7	.0000	.0000	.0941	.9996	.9992
1800.0	-.0010	-.1061	178.8	389.87	945.5	489.8	.0000	.0000	.0993	.9997	.9992
1700.0	-.0009	-.1016	178.8	389.88	945.5	489.9	.0000	.0000	.1057	.9997	.9993
1600.0	-.0008	-.0971	178.8	389.88	945.4	489.9	.0000	.0000	.1118	.9997	.9993
1500.0	-.0007	-.0924	178.9	389.89	945.4	489.9	.0000	.0000	.1193	.9997	.9994
1400.0	-.0007	-.0876	178.9	389.90	945.4	489.9	.0000	.0000	.1278	.9997	.9994
1300.0	-.0006	-.0826	179.0	389.91	945.4	490.0	.0000	.0000	.1377	.9998	.9995
1200.0	-.0005	-.0775	179.0	389.92	945.4	490.0	.0000	.0000	.1492	.9998	.9995
1100.0	-.0004	-.0722	179.1	389.92	945.4	490.0	.0000	.0000	.1628	.9998	.9996
1000.0	-.0004	-.0665	179.1	389.93	945.4	490.1	.0000	.0000	.1791	.9998	.9996
900.0	-.0003	-.0604	179.2	389.94	945.4	490.1	.0000	.0000	.1991	.9998	.9997
800.0	-.0002	-.0537	179.2	389.95	945.4	490.1	.0000	.0000	.2240	.9999	.9997
700.0	-.0002	-.0461	179.3	389.96	945.4	490.2	.0000	.0000	.2561	.9999	.9998
600.0	-.0001	-.0411	179.3	389.97	945.4	490.2	.0000	.0000	.2980	.9999	.9998
500.0	-.0001	-.0334	179.4	389.97	945.4	490.2	.0000	.0000	.3587	.9999	.9998
400.0	-.0001	-.0248	179.4	389.98	945.4	490.3	.0000	.0000	.4485	1.0000	.9999
300.0	-.0000	-.0149	179.5	389.99	945.4	490.3	.0000	.0000	.5982	1.0000	.9999
200.0	-.0000	-.0029	179.5	390.00	945.4	490.3	.0000	.0000	.8975	1.0000	1.0000

TABLE 2. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 400 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
22170.0	********	********									
22100.0	-4.1775	-13.3655	231.8	398.11	938.8	524.8	.0000	.0000	.0105	.9953	.9899
			231.8	398.11	938.8	524.8	.0000	.0000	.0105	.9953	.9899
22000.0	-1.5304	-5.4100	231.9	398.12	938.8	524.9	.0000	.0000	.0105	.9953	.9900
21900.0	-1.0853	-4.0536	232.0	398.13	938.8	524.9	.0000	.0000	.0106	.9953	.9900
21800.0	-.8754	-3.4157	232.0	398.14	938.8	524.9	.0000	.0000	.0106	.9953	.9900
21700.0	-.7471	-3.0183	232.1	398.15	938.8	525.0	.0000	.0000	.0107	.9954	.9901
21600.0	-.6582	-2.7405	232.1	398.16	938.7	525.0	.0000	.0000	.0107	.9954	.9902
21500.0	-.5918	-2.5315	232.2	398.16	938.7	525.0	.0000	.0000	.0108	.9954	.9902
21400.0	-.5398	-2.3662	232.3	398.17	938.7	525.1	.0000	.0000	.0109	.9954	.9902
21300.0	-.4975	-2.2308	232.3	398.18	938.7	525.1	.0000	.0000	.0109	.9955	.9903
21200.0	-.4623	-2.1171	232.4	398.19	938.7	525.2	.0000	.0000	.0110	.9955	.9903
21100.0	-.4323	-2.0194	232.4	398.20	938.7	525.2	.0000	.0000	.0110	.9955	.9904
21000.0	-.4063	-1.9343	232.5	398.21	938.7	525.2	.0000	.0000	.0111	.9955	.9904
20900.0	-.3835	-1.8591	232.6	398.22	938.7	525.3	.0000	.0000	.0111	.9955	.9904
20800.0	-.3632	-1.7918	232.6	398.22	938.7	525.3	.0000	.0000	.0112	.9956	.9905
20700.0	-.3451	-1.7311	232.7	398.23	938.7	525.3	.0000	.0000	.0112	.9956	.9905
20600.0	-.3288	-1.6760	232.7	398.24	938.7	525.4	.0000	.0000	.0113	.9956	.9906
20500.0	-.3139	-1.6254	232.8	398.25	938.7	525.4	.0000	.0000	.0114	.9956	.9906
20400.0	-.3003	-1.5789	232.9	398.26	938.7	525.4	.0000	.0000	.0114	.9956	.9907
20300.0	-.2878	-1.5357	232.9	398.26	938.7	525.5	.0000	.0000	.0115	.9957	.9907
20200.0	-.2763	-1.4956	233.0	398.27	938.6	525.5	.0000	.0000	.0115	.9957	.9908
20100.0	-.2656	-1.4581	233.0	398.28	938.6	525.5	.0000	.0000	.0116	.9957	.9908
20000.0	-.2556	-1.4229	233.1	398.29	938.6	525.5	.0000	.0000	.0117	.9957	.9909
19900.0	-.2463	-1.3898	233.1	398.30	938.6	525.6	.0000	.0000	.0117	.9957	.9909
19800.0	-.2376	-1.3585	233.2	398.31	938.6	525.6	.0000	.0000	.0118	.9958	.9909
19700.0	-.2293	-1.3289	233.3	398.32	938.6	525.6	.0000	.0000	.0118	.9958	.9910
19600.0	-.2216	-1.3008	233.3	398.32	938.6	525.7	.0000	.0000	.0119	.9958	.9910
19500.0	-.2143	-1.2741	233.4	398.33	938.6	525.8	.0000	.0000	.0120	.9958	.9911
19400.0	-.2074	-1.2486	233.5	398.34	938.6	525.8	.0000	.0000	.0120	.9958	.9911
19300.0	-.2008	-1.2243	233.5	398.35	938.6	525.8	.0000	.0000	.0121	.9959	.9912
19200.0	-.1946	-1.2011	233.6	398.36	938.6	525.9	.0000	.0000	.0121	.9959	.9912
19100.0	-.1887	-1.1788	233.6	398.36	938.6	525.9	.0000	.0000	.0122	.9959	.9913
19000.0	-.1831	-1.1574	233.7	398.37	938.6	525.9	.0000	.0000	.0123	.9959	.9913
18900.0	-.1777	-1.1369	233.8	398.38	938.5	526.0	.0000	.0000	.0124	.9960	.9913
18800.0	-.1726	-1.1171	233.8	398.39	938.6	526.0	.0000	.0000	.0124	.9960	.9914
18700.0	-.1676	-1.0981	233.9	398.40	938.5	526.0	.0000	.0000	.0125	.9960	.9914
18600.0	-.1629	-1.0798	233.9	398.41	938.5	526.1	.0000	.0000	.0126	.9960	.9915
18500.0	-.1584	-1.0621	234.0	398.41	938.5	526.1	.0000	.0000	.0126	.9960	.9915
18400.0	-.1541	-1.0450	234.1	398.42	938.5	526.1	.0000	.0000	.0127	.9961	.9916
18300.0	-.1499	-1.0285	234.1	398.43	938.5	526.2	.0000	.0000	.0128	.9961	.9916
18200.0	-.1460	-1.0125	234.2	398.44	938.5	526.2	.0000	.0000	.0129	.9961	.9917
18100.0	-.1421	-.9970	234.2	398.45	938.5	526.3	.0000	.0000	.0129	.9961	.9917
18000.0	-.1384	-.9821	234.3	398.46	938.5	526.3	.0000	.0000	.0130	.9961	.9917
17900.0	-.1349	-.9676	234.4	398.46	938.5	526.3	.0000	.0000	.0131	.9962	.9918
17800.0	-.1314	-.9535	234.4	398.47	938.5	526.4	.0000	.0000	.0131	.9962	.9918
17700.0	-.1281	-.9398	234.5	398.48	938.5	526.4	.0000	.0000	.0132	.9962	.9919
17600.0	-.1249	-.9265	234.5	398.49	938.5	526.4	.0000	.0000	.0133	.9962	.9919
17500.0	-.1218	-.9136	234.6	398.50	938.5	526.5	.0000	.0000	.0134	.9962	.9920
17400.0	-.1189	-.9011	234.7	398.51	938.5	526.5	.0000	.0000	.0135	.9963	.9920
17300.0	-.1160	-.8889	234.7	398.52	938.4	526.5	.0000	.0000	.0136	.9963	.9921
17200.0	-.1132	-.8771	234.8	398.52	938.4	526.6	.0000	.0000	.0137	.9963	.9921
17100.0	-.1105	-.8655	234.8	398.53	938.4	526.6	.0000	.0000	.0137	.9963	.9921
17000.0	-.1079	-.8543	234.9	398.54	938.4	526.7	.0000	.0000	.0138	.9964	.9922
16900.0	-.1054	-.8433	235.0	398.55	938.4	526.7	.0000	.0000	.0139	.9964	.9922
16800.0	-.1029	-.8326	235.0	398.56	938.4	526.7	.0000	.0000	.0140	.9964	.9923
16700.0	-.1006	-.8222	235.1	398.57	938.4	526.8	.0000	.0000	.0141	.9964	.9923
16600.0	-.0983	-.8120	235.1	398.57	938.4	526.8	.0000	.0000	.0142	.9964	.9924
16500.0	-.0961	-.8021	235.2	398.58	938.4	526.8	.0000	.0000	.0143	.9965	.9924
16400.0	-.0939	-.7926	235.3	398.59	938.4	526.9	.0000	.0000	.0143	.9965	.9925
16300.0	-.0918	-.7831	235.3	398.60	938.4	526.9	.0000	.0000	.0144	.9965	.9925
16200.0	-.0898	-.7739	235.4	398.61	938.4	526.9	.0000	.0000	.0145	.9965	.9925
16100.0	-.0878	-.7646	235.5	398.62	938.4	527.0	.0000	.0000	.0146	.9965	.9926
16000.0	-.0859	-.7556	235.5	398.63	938.4	527.0	.0000	.0000	.0147	.9966	.9926
15900.0	-.0840	-.7468	235.6	398.63	938.3	527.0	.0000	.0000	.0148	.9966	.9927
15800.0	-.0822	-.7381	235.6	398.64	938.3	527.1	.0000	.0000	.0149	.9966	.9927
15700.0	-.0804	-.7298	235.7	398.65	938.3	527.1	.0000	.0000	.0150	.9966	.9928
15600.0	-.0786	-.7215	235.8	398.66	938.3	527.2	.0000	.0000	.0151	.9966	.9928
15500.0	-.0769	-.7133	235.8	398.67	938.3	527.2	.0000	.0000	.0152	.9967	.9929
15400.0	-.0753	-.7053	235.9	398.68	938.3	527.3	.0000	.0000	.0153	.9967	.9929
15300.0	-.0737	-.6974	235.9	398.68	938.3	527.3	.0000	.0000	.0154	.9967	.9930
15200.0	-.0721	-.6897	236.0	398.69	938.3	527.3	.0000	.0000	.0155	.9967	.9930
15100.0	-.0706	-.6821	236.1	398.70	938.3	527.3	.0000	.0000	.0156	.9968	.9930
15000.0	-.0690	-.6746	236.1	398.71	938.3	527.4	.0000	.0000	.0157	.9968	.9931
14900.0	-.0676	-.6673	236.2	398.72	938.3	527.4	.0000	.0000	.0159	.9968	.9931
14800.0	-.0662	-.6600	236.3	398.73	938.3	527.4	.0000	.0000	.0160	.9968	.9932
14700.0	-.0648	-.6528	236.3	398.74	938.3	527.5	.0000	.0000	.0161	.9968	.9932
14600.0	-.0634	-.6458	236.4	398.74	938.3	527.5	.0000	.0000	.0162	.9969	.9933
14500.0	-.0620	-.6389	236.4	398.75	938.2	527.6	.0000	.0000	.0163	.9969	.9933
14400.0	-.0607	-.6321	236.5	398.76	938.2	527.6	.0000	.0000	.0164	.9969	.9934
14300.0	-.0593	-.6254	236.6	398.77	938.2	527.6	.0000	.0000	.0165	.9969	.9934
14200.0	-.0580	-.6188	236.6	398.78	938.2	527.7	.0000	.0000	.0167	.9969	.9935
14100.0	-.0570	-.6123	236.7	398.79	938.2	527.7	.0000	.0000	.0168	.9970	.9935
14000.0	-.0558	-.6058	236.7	398.80	938.2	527.7	.0000	.0000	.0169	.9970	.9935
13900.0	-.0546	-.5995	236.8	398.80	938.2	527.8	.0000	.0000	.0170	.9970	.9936
13800.0	-.0535	-.5932	236.9	398.81	938.2	527.8	.0000	.0000	.0172	.9970	.9936
13700.0	-.0524	-.5871	236.9	398.82	938.2	527.9	.0000	.0000	.0173	.9971	.9937
13600.0	-.0513	-.5810	237.0	398.83	938.2	527.9	.0000	.0000	.0174	.9971	.9937
13500.0	-.0502	-.5750	237.1	398.84	938.2	527.9	.0000	.0000	.0176	.9971	.9938
13400.0	-.0492	-.5690	237.1	398.85	938.2	528.0	.0000	.0000	.0177	.9971	.9938
13300.0	-.0482	-.5632	237.2	398.86	938.2	528.0	.0000	.0000	.0179	.9971	.9939
13200.0	-.0472	-.5574	237.2	398.86	938.2	528.0	.0000	.0000	.0180	.9971	.9939
13100.0	-.0462	-.5516	237.3	398.87	938.1	528.1	.0000	.0000	.0181	.9972	.9940
13000.0	-.0452	-.5460	237.4	398.88	938.1	528.1	.0000	.0000	.0183	.9972	.9940
12900.0	-.0443	-.5404	237.4	398.89	938.1	528.1	.0000	.0000	.0184	.9972	.9940
12800.0	-.0433	-.5349	237.5	398.90	938.1	528.2	.0000	.0000	.0186	.9973	.9941
12700.0	-.0424	-.5294	237.6	398.91	938.1	528.2	.0000	.0000	.0187	.9973	.9941
12600.0	-.0415	-.5240	237.6	398.92	938.1	528.2	.0000	.0000	.0189	.9973	.9942
12500.0	-.0407	-.5187	237.7	398.93	938.1	528.3	.0000	.0000	.0190	.9973	.9942
12400.0	-.0398	-.5134	237.7	398.93	938.1	528.3	.0000	.0000	.0192	.9973	.9943
12300.0	-.0390	-.5082	237.8	398.94	938.1	528.4	.0000	.0000	.0193	.9974	.9943
12200.0	-.0382	-.5031	237.9	398.95	938.1	528.4	.0000	.0000	.0195	.9974	.9944
12100.0	-.0374	-.4979	237.9	398.95	938.1	528.4	.0000	.0000	.0197	.9974	.9944

TABLE 7. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 400 K)

PO KPA	TO	AO	P* KPA	T* K	ρ* KG/M3	H* KJ/KG	X*	A*	PR	TR	ρR
12000.0	-.0366	-.4929	238.0	398.97	938.1	528.5	.0000	.0000	.0198	.9974	.9945
11900.0	-.0358	-.4899	238.1	398.98	938.1	528.5	.0000	.0000	.0200	.9974	.9945
11800.0	-.0351	-.4870	238.1	398.98	938.1	528.5	.0000	.0000	.0202	.9975	.9945
11700.0	-.0343	-.4840	238.1	398.99	938.0	528.6	.0000	.0000	.0204	.9975	.9946
11600.0	-.0336	-.4812	238.2	399.00	938.0	528.6	.0000	.0000	.0205	.9975	.9946
11500.0	-.0329	-.4784	238.3	399.01	938.0	528.7	.0000	.0000	.0207	.9975	.9947
11400.0	-.0322	-.4756	238.4	399.02	938.0	528.7	.0000	.0000	.0209	.9975	.9947
11300.0	-.0315	-.4729	238.4	399.03	938.0	528.7	.0000	.0000	.0211	.9976	.9948
11200.0	-.0308	-.4702	238.5	399.04	938.0	528.8	.0000	.0000	.0213	.9976	.9948
11100.0	-.0301	-.4675	238.6	399.04	938.0	528.8	.0000	.0000	.0215	.9976	.9949
11000.0	-.0295	-.4649	238.6	399.05	938.0	528.8	.0000	.0000	.0217	.9976	.9949
10900.0	-.0288	-.4624	238.7	399.06	938.0	528.9	.0000	.0000	.0219	.9977	.9950
10800.0	-.0282	-.4599	238.8	399.07	938.0	528.9	.0000	.0000	.0221	.9977	.9950
10700.0	-.0276	-.4574	238.8	399.08	938.0	529.0	.0000	.0000	.0223	.9977	.9951
10600.0	-.0270	-.4549	238.9	399.09	938.0	529.0	.0000	.0000	.0225	.9977	.9951
10500.0	-.0264	-.4525	238.9	399.10	938.0	529.0	.0000	.0000	.0228	.9977	.9951
10400.0	-.0258	-.4502	239.0	399.11	938.0	529.1	.0000	.0000	.0230	.9978	.9952
10300.0	-.0252	-.4478	239.1	399.12	937.9	529.1	.0000	.0000	.0232	.9978	.9952
10200.0	-.0246	-.4455	239.1	399.13	937.9	529.1	.0000	.0000	.0234	.9978	.9953
10100.0	-.0241	-.4433	239.2	399.13	937.9	529.2	.0000	.0000	.0237	.9978	.9953
10000.0	-.0236	-.4410	239.3	399.14	937.9	529.2	.0000	.0000	.0239	.9978	.9954
9900.0	-.0231	-.4388	239.3	399.15	937.9	529.2	.0000	.0000	.0242	.9979	.9954
9800.0	-.0225	-.4366	239.4	399.16	937.9	529.3	.0000	.0000	.0244	.9979	.9955
9700.0	-.0220	-.4345	239.4	399.17	937.9	529.3	.0000	.0000	.0247	.9979	.9955
9600.0	-.0215	-.4324	239.5	399.17	937.9	529.4	.0000	.0000	.0249	.9979	.9956
9500.0	-.0210	-.4303	239.6	399.18	937.9	529.4	.0000	.0000	.0252	.9980	.9956
9400.0	-.0205	-.4282	239.6	399.19	937.9	529.4	.0000	.0000	.0255	.9980	.9957
9300.0	-.0200	-.4262	239.7	399.20	937.9	529.5	.0000	.0000	.0258	.9980	.9957
9200.0	-.0196	-.4242	239.8	399.21	937.9	529.5	.0000	.0000	.0261	.9980	.9957
9100.0	-.0191	-.4222	239.9	399.22	937.9	529.5	.0000	.0000	.0264	.9980	.9958
9000.0	-.0187	-.4202	239.9	399.23	937.9	529.6	.0000	.0000	.0267	.9981	.9958
8900.0	-.0182	-.4183	240.0	399.24	937.8	529.6	.0000	.0000	.0270	.9981	.9959
8800.0	-.0178	-.4164	240.0	399.24	937.8	529.6	.0000	.0000	.0273	.9981	.9959
8700.0	-.0173	-.4145	240.1	399.25	937.8	529.7	.0000	.0000	.0276	.9981	.9960
8600.0	-.0169	-.4126	240.1	399.26	937.8	529.7	.0000	.0000	.0279	.9982	.9960
8500.0	-.0165	-.4108	240.2	399.27	937.8	529.8	.0000	.0000	.0283	.9982	.9961
8400.0	-.0161	-.4090	240.3	399.28	937.8	529.8	.0000	.0000	.0286	.9982	.9961
8300.0	-.0157	-.4072	240.3	399.29	937.8	529.8	.0000	.0000	.0290	.9982	.9962
8200.0	-.0153	-.4054	240.4	399.30	937.8	529.9	.0000	.0000	.0293	.9982	.9962
8100.0	-.0149	-.4036	240.5	399.30	937.8	529.9	.0000	.0000	.0297	.9983	.9963
8000.0	-.0145	-.4019	240.5	399.31	937.8	529.9	.0000	.0000	.0301	.9983	.9963
7900.0	-.0142	-.4002	240.6	399.32	937.8	530.0	.0000	.0000	.0305	.9983	.9964
7800.0	-.0138	-.3985	240.7	399.33	937.8	530.0	.0000	.0000	.0309	.9983	.9964
7700.0	-.0134	-.3968	240.7	399.34	937.8	530.1	.0000	.0000	.0313	.9983	.9964
7600.0	-.0131	-.3951	240.8	399.35	937.8	530.1	.0000	.0000	.0317	.9984	.9965
7500.0	-.0127	-.3934	240.9	399.36	937.7	530.1	.0000	.0000	.0321	.9984	.9965
7400.0	-.0124	-.3918	240.9	399.37	937.7	530.2	.0000	.0000	.0326	.9984	.9966
7300.0	-.0121	-.3901	241.0	399.37	937.7	530.2	.0000	.0000	.0330	.9984	.9966
7200.0	-.0117	-.3885	241.0	399.38	937.7	530.2	.0000	.0000	.0335	.9985	.9967
7100.0	-.0114	-.3869	241.1	399.39	937.7	530.3	.0000	.0000	.0340	.9985	.9967
7000.0	-.0111	-.3853	241.2	399.40	937.7	530.3	.0000	.0000	.0345	.9985	.9968
6900.0	-.0108	-.3838	241.2	399.41	937.7	530.4	.0000	.0000	.0350	.9985	.9968
6800.0	-.0105	-.3822	241.3	399.42	937.7	530.4	.0000	.0000	.0355	.9985	.9969
6700.0	-.0102	-.3806	241.4	399.43	937.7	530.4	.0000	.0000	.0360	.9986	.9969
6600.0	-.0099	-.3791	241.4	399.44	937.7	530.5	.0000	.0000	.0366	.9986	.9970
6500.0	-.0096	-.3776	241.5	399.44	937.7	530.5	.0000	.0000	.0372	.9986	.9970
6400.0	-.0093	-.3760	241.6	399.45	937.7	530.5	.0000	.0000	.0377	.9986	.9971
6300.0	-.0090	-.3745	241.6	399.46	937.7	530.6	.0000	.0000	.0384	.9987	.9971
6200.0	-.0087	-.3730	241.7	399.47	937.7	530.6	.0000	.0000	.0390	.9987	.9971
6100.0	-.0085	-.3715	241.8	399.48	937.6	530.7	.0000	.0000	.0396	.9987	.9972
6000.0	-.0082	-.3700	241.8	399.49	937.6	530.7	.0000	.0000	.0403	.9987	.9972
5900.0	-.0079	-.3685	241.9	399.50	937.6	530.7	.0000	.0000	.0410	.9987	.9973
5800.0	-.0077	-.3671	242.0	399.51	937.6	530.8	.0000	.0000	.0417	.9988	.9973
5700.0	-.0074	-.3656	242.0	399.52	937.6	530.8	.0000	.0000	.0425	.9988	.9974
5600.0	-.0072	-.3641	242.1	399.52	937.6	530.8	.0000	.0000	.0432	.9988	.9974
5500.0	-.0069	-.3626	242.2	399.53	937.6	530.9	.0000	.0000	.0440	.9988	.9975
5400.0	-.0067	-.3612	242.2	399.54	937.6	530.9	.0000	.0000	.0449	.9989	.9975
5300.0	-.0065	-.3597	242.3	399.55	937.6	531.0	.0000	.0000	.0457	.9989	.9976
5200.0	-.0063	-.3582	242.3	399.56	937.6	531.0	.0000	.0000	.0466	.9989	.9976
5100.0	-.0060	-.3568	242.4	399.57	937.6	531.0	.0000	.0000	.0475	.9989	.9977
5000.0	-.0058	-.3553	242.5	399.58	937.6	531.1	.0000	.0000	.0485	.9989	.9977
4900.0	-.0056	-.3539	242.5	399.59	937.6	531.1	.0000	.0000	.0495	.9990	.9978
4800.0	-.0054	-.3524	242.6	399.59	937.5	531.1	.0000	.0000	.0505	.9990	.9978
4700.0	-.0052	-.3509	242.7	399.60	937.5	531.2	.0000	.0000	.0516	.9990	.9979
4600.0	-.0050	-.3494	242.7	399.61	937.5	531.2	.0000	.0000	.0528	.9990	.9979
4500.0	-.0048	-.3480	242.8	399.62	937.5	531.3	.0000	.0000	.0540	.9991	.9980
4400.0	-.0046	-.3465	242.9	399.63	937.5	531.3	.0000	.0000	.0553	.9991	.9980
4300.0	-.0044	-.3450	242.9	399.64	937.5	531.3	.0000	.0000	.0565	.9991	.9980
4200.0	-.0042	-.3435	243.0	399.65	937.5	531.4	.0000	.0000	.0579	.9991	.9981
4100.0	-.0040	-.3420	243.1	399.66	937.5	531.4	.0000	.0000	.0593	.9991	.9981
4000.0	-.0039	-.3405	243.1	399.67	937.5	531.4	.0000	.0000	.0608	.9992	.9982
3900.0	-.0037	-.3390	243.2	399.67	937.5	531.5	.0000	.0000	.0624	.9992	.9982
3800.0	-.0035	-.3374	243.3	399.68	937.5	531.5	.0000	.0000	.0640	.9992	.9983
3700.0	-.0034	-.3359	243.3	399.69	937.5	531.6	.0000	.0000	.0656	.9992	.9983
3600.0	-.0032	-.3343	243.4	399.70	937.5	531.6	.0000	.0000	.0676	.9993	.9984
3500.0	-.0030	-.3327	243.5	399.71	937.5	531.6	.0000	.0000	.0696	.9993	.9984
3400.0	-.0029	-.3311	243.5	399.72	937.4	531.7	.0000	.0000	.0716	.9993	.9985
3300.0	-.0027	-.3294	243.6	399.73	937.4	531.7	.0000	.0000	.0739	.9993	.9985
3200.0	-.0026	-.3278	243.7	399.74	937.4	531.7	.0000	.0000	.0761	.9993	.9986
3100.0	-.0024	-.3261	243.7	399.75	937.4	531.8	.0000	.0000	.0786	.9994	.9986
3000.0	-.0023	-.3244	243.8	399.75	937.4	531.8	.0000	.0000	.0813	.9994	.9987
2900.0	-.0022	-.3226	243.9	399.76	937.4	531.9	.0000	.0000	.0841	.9994	.9987
2800.0	-.0020	-.3209	243.9	399.77	937.4	531.9	.0000	.0000	.0871	.9994	.9988
2700.0	-.0019	-.3191	244.0	399.78	937.4	531.9	.0000	.0000	.0904	.9995	.9988
2600.0	-.0018	-.3172	244.1	399.79	937.4	532.0	.0000	.0000	.0939	.9995	.9989
2500.0	-.0017	-.3153	244.1	399.80	937.4	532.0	.0000	.0000	.0976	.9995	.9989
2400.0	-.0016	-.3134	244.2	399.81	937.4	532.0	.0000	.0000	.1017	.9995	.9990
2300.0	-.0014	-.3114	244.3	399.82	937.4	532.1	.0000	.0000	.1062	.9995	.9990
2200.0	-.0013	-.3093	244.3	399.83	937.4	532.1	.0000	.0000	.1111	.9996	.9991
2100.0	-.0012	-.3072	244.4	399.83	937.3	532.1	.0000	.0000	.1164	.9996	.9991

TABLE 2. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 400 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
2000.0	-.0011	-.1051	244.5	399.84	937.3	532.2	.0000	.0000	.1222	.9996	.9992
1900.0	-.0010	-.1008	244.5	399.85	937.3	532.2	.0000	.0000	.1287	.9996	.9992
1800.0	-.0009	-.0965	244.6	399.86	937.3	532.3	.0000	.0000	.1359	.9997	.9992
1700.0	-.0008	-.0921	244.7	399.87	937.3	532.3	.0000	.0000	.1439	.9997	.9993
1600.0	-.0008	-.0879	244.7	399.88	937.3	532.4	.0000	.0000	.1530	.9997	.9993
1500.0	-.0007	-.0829	244.8	399.89	937.3	532.4	.0000	.0000	.1632	.9997	.9994
1400.0	-.0006	-.0781	244.9	399.90	937.3	532.4	.0000	.0000	.1749	.9997	.9994
1300.0	-.0005	-.0733	244.9	399.91	937.3	532.5	.0000	.0000	.1884	.9998	.9995
1200.0	-.0004	-.0681	245.0	399.91	937.3	532.5	.0000	.0000	.2042	.9998	.9995
1100.0	-.0004	-.0629	245.1	399.92	937.3	532.5	.0000	.0000	.2228	.9998	.9996
1000.0	-.0003	-.0574	245.1	399.93	937.3	532.6	.0000	.0000	.2451	.9998	.9996
900.0	-.0003	-.0516	245.2	399.94	937.3	532.6	.0000	.0000	.2724	.9999	.9997
800.0	-.0002	-.0456	245.3	399.95	937.3	532.7	.0000	.0000	.3066	.9999	.9997
700.0	-.0002	-.0390	245.3	399.96	937.2	532.7	.0000	.0000	.3505	.9999	.9998
600.0	-.0001	-.0321	245.4	399.97	937.2	532.7	.0000	.0000	.4090	.9999	.9998
500.0	-.0001	-.0244	245.5	399.98	937.2	532.8	.0000	.0000	.4909	.9999	.9999
400.0	-.0000	-.0159	245.5	399.99	937.2	532.8	.0000	.0000	.6138	1.0000	.9999
300.0	-.0000	-.0061	245.6	400.00	937.2	532.8	.0000	.0000	.8186	1.0000	1.0000

TABLE 7. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 410 K)

P0 KPA	X0	A0	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
22170.0	*******	********	311.3	407.95	930.4	566.8	.0000	.0000	.0141	.9950	.9897
22100.0	-4.1576	-13.1856	311.3	407.95	930.4	566.8	.0000	.0000	.0141	.9950	.9897
22000.0	-1.5217	-5.3330	311.4	407.96	930.4	566.9	.0000	.0000	.0142	.9950	.9897
21900.0	-1.0747	-4.0001	311.4	407.97	930.4	566.9	.0000	.0000	.0142	.9951	.9898
21800.0	-.8498	-3.3643	311.5	407.98	930.4	566.9	.0000	.0000	.0143	.9951	.9898
21700.0	-.7121	-2.9723	311.6	407.99	930.4	567.0	.0000	.0000	.0144	.9951	.9898
21600.0	-.6536	-2.6981	311.7	408.00	930.4	567.0	.0000	.0000	.0144	.9951	.9899
21500.0	-.5876	-2.4917	311.8	408.01	930.4	567.1	.0000	.0000	.0145	.9951	.9899
21400.0	-.5358	-2.3286	311.9	408.02	930.4	567.1	.0000	.0000	.0146	.9952	.9900
21300.0	-.4938	-2.1950	311.9	408.03	930.4	567.1	.0000	.0000	.0146	.9952	.9900
21200.0	-.4587	-2.0826	312.0	408.03	930.4	567.2	.0000	.0000	.0147	.9953	.9901
21100.0	-.4289	-1.9863	312.1	408.04	930.4	567.2	.0000	.0000	.0148	.9953	.9901
21000.0	-.4030	-1.9022	312.2	408.05	930.4	567.3	.0000	.0000	.0149	.9953	.9902
20900.0	-.3803	-1.8279	312.3	408.06	930.3	567.3	.0000	.0000	.0149	.9953	.9902
20800.0	-.3602	-1.7616	312.4	408.07	930.3	567.3	.0000	.0000	.0150	.9953	.9902
20700.0	-.3422	-1.7017	312.4	408.08	930.3	567.4	.0000	.0000	.0151	.9953	.9903
20600.0	-.3260	-1.6472	312.5	408.09	930.3	567.4	.0000	.0000	.0152	.9953	.9903
20500.0	-.3112	-1.5973	312.6	408.10	930.3	567.5	.0000	.0000	.0152	.9954	.9904
20400.0	-.2977	-1.5513	312.7	408.11	930.3	567.5	.0000	.0000	.0153	.9954	.9904
20300.0	-.2852	-1.4087	312.8	408.12	930.3	567.5	.0000	.0000	.0154	.9954	.9905
20200.0	-.2738	-1.4691	312.8	408.13	930.3	567.6	.0000	.0000	.0155	.9954	.9905
20100.0	-.2631	-1.4321	312.9	408.13	930.3	567.6	.0000	.0000	.0156	.9954	.9906
20000.0	-.2532	-1.3973	313.0	408.14	930.3	567.6	.0000	.0000	.0157	.9955	.9906
19900.0	-.2439	-1.3646	313.1	408.15	930.3	567.7	.0000	.0000	.0157	.9955	.9907
19800.0	-.2353	-1.3339	313.2	408.16	930.3	567.7	.0000	.0000	.0158	.9955	.9907
19700.0	-.2271	-1.3049	313.3	408.17	930.3	567.8	.0000	.0000	.0159	.9955	.9907
19600.0	-.2194	-1.2768	313.3	408.18	930.2	567.8	.0000	.0000	.0160	.9956	.9908
19500.0	-.2122	-1.2504	313.4	408.19	930.2	567.8	.0000	.0000	.0161	.9956	.9908
19400.0	-.2053	-1.2253	313.5	408.20	930.2	567.9	.0000	.0000	.0161	.9956	.9909
19300.0	-.1988	-1.2012	313.6	408.21	930.2	567.9	.0000	.0000	.0162	.9956	.9909
19200.0	-.1926	-1.1783	313.7	408.22	930.2	568.0	.0000	.0000	.0163	.9956	.9910
19100.0	-.1867	-1.1563	313.8	408.23	930.2	568.0	.0000	.0000	.0164	.9957	.9910
19000.0	-.1811	-1.1352	313.8	408.23	930.2	568.0	.0000	.0000	.0165	.9957	.9911
18900.0	-.1758	-1.1149	313.9	408.24	930.2	568.1	.0000	.0000	.0166	.9957	.9911
18800.0	-.1707	-1.0956	314.0	408.25	930.2	568.1	.0000	.0000	.0167	.9957	.9911
18700.0	-.1659	-1.0769	314.1	408.26	930.2	568.2	.0000	.0000	.0168	.9958	.9912
18600.0	-.1611	-1.0589	314.2	408.27	930.2	568.2	.0000	.0000	.0169	.9958	.9912
18500.0	-.1566	-1.0410	314.3	408.28	930.2	568.2	.0000	.0000	.0170	.9958	.9913
18400.0	-.1523	-1.0241	314.3	408.29	930.1	568.3	.0000	.0000	.0171	.9958	.9913
18300.0	-.1482	-1.0078	314.4	408.30	930.1	568.3	.0000	.0000	.0172	.9958	.9914
18200.0	-.1443	-.9920	314.5	408.31	930.1	568.4	.0000	.0000	.0173	.9959	.9914
18100.0	-.1404	-.9768	314.6	408.32	930.1	568.4	.0000	.0000	.0174	.9959	.9915
18000.0	-.1368	-.9620	314.7	408.33	930.1	568.4	.0000	.0000	.0175	.9959	.9915
17900.0	-.1332	-.9476	314.8	408.34	930.1	568.5	.0000	.0000	.0176	.9959	.9916
17800.0	-.1298	-.9337	314.8	408.34	930.1	568.5	.0000	.0000	.0177	.9960	.9916
17720.0	-.1269	-.9202	314.9	408.35	930.1	568.5	.0000	.0000	.0178	.9960	.9917
17600.0	-.1234	-.9071	315.0	408.36	930.1	568.6	.0000	.0000	.0179	.9960	.9917
17500.0	-.1203	-.8944	315.1	408.37	930.1	568.6	.0000	.0000	.0180	.9960	.9918
17400.0	-.1174	-.8820	315.2	408.38	930.1	568.7	.0000	.0000	.0181	.9961	.9918
17300.0	-.1145	-.8700	315.3	408.39	930.1	568.7	.0000	.0000	.0182	.9961	.9919
17200.0	-.1117	-.8582	315.4	408.40	930.1	568.7	.0000	.0000	.0183	.9961	.9919
17100.0	-.1091	-.8468	315.4	408.41	930.0	568.8	.0000	.0000	.0184	.9961	.9919
17000.0	-.1065	-.8357	315.5	408.42	930.0	568.8	.0000	.0000	.0186	.9961	.9920
16900.0	-.1040	-.8249	315.6	408.43	930.0	568.9	.0000	.0000	.0187	.9962	.9920
16800.0	-.1016	-.8143	315.7	408.44	930.0	568.9	.0000	.0000	.0188	.9962	.9921
16700.0	-.0992	-.8040	315.8	408.45	930.0	568.9	.0000	.0000	.0189	.9962	.9921
16600.0	-.0969	-.7940	315.9	408.45	930.0	569.0	.0000	.0000	.0190	.9962	.9922
16500.0	-.0948	-.7844	315.9	408.46	930.0	569.0	.0000	.0000	.0191	.9963	.9922
16400.0	-.0926	-.7748	316.0	408.47	930.0	569.1	.0000	.0000	.0193	.9963	.9923
16300.0	-.0906	-.7656	316.1	408.48	930.0	569.1	.0000	.0000	.0194	.9963	.9923
16200.0	-.0885	-.7562	316.2	408.49	930.0	569.1	.0000	.0000	.0195	.9963	.9924
16100.0	-.0866	-.7471	316.3	408.50	930.0	569.2	.0000	.0000	.0196	.9963	.9924
16000.0	-.0847	-.7383	316.4	408.51	930.0	569.2	.0000	.0000	.0198	.9964	.9924
15900.0	-.0829	-.7296	316.5	408.52	929.9	569.3	.0000	.0000	.0199	.9964	.9925
15800.0	-.0810	-.7211	316.5	408.53	929.9	569.3	.0000	.0000	.0200	.9964	.9925
15700.0	-.0792	-.7129	316.6	408.54	929.9	569.3	.0000	.0000	.0202	.9964	.9926
15600.0	-.0775	-.7045	316.7	408.55	929.9	569.4	.0000	.0000	.0203	.9965	.9926
15500.0	-.0758	-.6965	316.8	408.56	929.9	569.4	.0000	.0000	.0204	.9965	.9927
15400.0	-.0741	-.6885	316.9	408.57	929.9	569.5	.0000	.0000	.0205	.9965	.9927
15300.0	-.0724	-.6808	317.0	408.57	929.9	569.5	.0000	.0000	.0207	.9965	.9928
15200.0	-.0710	-.6731	317.0	408.58	929.9	569.5	.0000	.0000	.0208	.9965	.9928
15100.0	-.0695	-.6656	317.1	408.59	929.9	569.6	.0000	.0000	.0210	.9966	.9929
15000.0	-.0680	-.6582	317.2	408.60	929.9	569.6	.0000	.0000	.0211	.9966	.9929
14900.0	-.0665	-.6509	317.3	408.61	929.9	569.7	.0000	.0000	.0213	.9966	.9930
14800.0	-.0651	-.6438	317.4	408.62	929.9	569.7	.0000	.0000	.0214	.9966	.9930
14700.0	-.0637	-.6367	317.5	408.63	929.9	569.7	.0000	.0000	.0216	.9967	.9931
14600.0	-.0624	-.6298	317.6	408.64	929.8	569.8	.0000	.0000	.0218	.9967	.9931
14500.0	-.0610	-.6229	317.6	408.65	929.8	569.8	.0000	.0000	.0219	.9967	.9931
14400.0	-.0597	-.6162	317.7	408.66	929.8	569.9	.0000	.0000	.0221	.9967	.9932
14300.0	-.0584	-.6096	317.8	408.67	929.8	569.9	.0000	.0000	.0223	.9967	.9932
14200.0	-.0572	-.6030	317.9	408.68	929.8	569.9	.0000	.0000	.0224	.9968	.9933
14100.0	-.0560	-.5966	318.0	408.69	929.8	570.0	.0000	.0000	.0226	.9968	.9933
14000.0	-.0549	-.5902	318.1	408.70	929.8	570.0	.0000	.0000	.0227	.9968	.9934
13900.0	-.0537	-.5840	318.2	408.70	929.8	570.0	.0000	.0000	.0229	.9968	.9934
13800.0	-.0526	-.5778	318.2	408.71	929.8	570.1	.0000	.0000	.0231	.9969	.9935
13700.0	-.0514	-.5717	318.3	408.72	929.8	570.1	.0000	.0000	.0232	.9969	.9935
13600.0	-.0504	-.5657	318.4	408.73	929.8	570.1	.0000	.0000	.0234	.9969	.9936
13500.0	-.0493	-.5597	318.5	408.74	929.8	570.2	.0000	.0000	.0236	.9969	.9936
13400.0	-.0483	-.5539	318.6	408.75	929.7	570.2	.0000	.0000	.0238	.9970	.9937
13300.0	-.0473	-.5481	318.7	408.76	929.7	570.3	.0000	.0000	.0240	.9970	.9937
13200.0	-.0463	-.5423	318.8	408.77	929.7	570.3	.0000	.0000	.0241	.9970	.9937
13100.0	-.0453	-.5367	318.8	408.78	929.7	570.4	.0000	.0000	.0243	.9970	.9938
13000.0	-.0444	-.5311	318.9	408.79	929.7	570.4	.0000	.0000	.0245	.9970	.9938
12900.0	-.0434	-.5256	319.0	408.80	929.7	570.4	.0000	.0000	.0247	.9971	.9939
12800.0	-.0425	-.5201	319.1	408.81	929.7	570.5	.0000	.0000	.0249	.9971	.9939
12700.0	-.0416	-.5147	319.2	408.82	929.7	570.5	.0000	.0000	.0251	.9971	.9940
12600.0	-.0407	-.5094	319.3	408.83	929.7	570.6	.0000	.0000	.0253	.9971	.9940
12500.0	-.0399	-.5041	319.4	408.83	929.7	570.6	.0000	.0000	.0255	.9972	.9941
12400.0	-.0390	-.4989	319.4	408.84	929.7	570.6	.0000	.0000	.0258	.9972	.9941
12300.0	-.0382	-.4938	319.5	408.85	929.7	570.7	.0000	.0000	.0260	.9972	.9942
12200.0	-.0374	-.4887	319.6	408.86	929.6	570.7	.0000	.0000	.0262	.9973	.9942
12100.0	-.0366	-.4836	319.7	408.87	929.6	570.8	.0000	.0000	.0264	.9972	.9943

TABLE 7. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 410 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	Y*	A*	RR	TR	ZZ
12000.0	-.0358	-.4786	319.8	408.88	929.6	570.8	.0000	.0000	.0266	.9973	.9943
11900.0	-.0351	-.4737	319.9	408.89	929.6	570.8	.0000	.0000	.0269	.9973	.9944
11800.0	-.0343	-.4688	320.0	408.90	929.6	570.9	.0000	.0000	.0271	.9973	.9944
11700.0	-.0336	-.4639	320.1	408.91	929.6	570.9	.0000	.0000	.0274	.9973	.9945
11600.0	-.0329	-.4591	320.1	408.92	929.6	571.0	.0000	.0000	.0276	.9974	.9945
11500.0	-.0322	-.4543	320.2	408.93	929.6	571.0	.0000	.0000	.0278	.9974	.9945
11400.0	-.0315	-.4496	320.3	408.94	929.6	571.0	.0000	.0000	.0281	.9974	.9946
11300.0	-.0308	-.4450	320.4	408.95	929.6	571.1	.0000	.0000	.0284	.9974	.9946
11200.0	-.0301	-.4403	320.5	408.96	929.6	571.1	.0000	.0000	.0286	.9975	.9947
11100.0	-.0295	-.4357	320.6	408.97	929.6	571.2	.0000	.0000	.0289	.9975	.9947
11000.0	-.0288	-.4312	320.7	408.98	929.5	571.2	.0000	.0000	.0292	.9975	.9948
10900.0	-.0282	-.4267	320.8	408.99	929.5	571.3	.0000	.0000	.0294	.9975	.9948
10800.0	-.0276	-.4222	320.8	408.99	929.5	571.3	.0000	.0000	.0297	.9975	.9949
10700.0	-.0270	-.4178	320.9	409.00	929.5	571.3	.0000	.0000	.0300	.9976	.9949
10600.0	-.0264	-.4134	321.0	409.01	929.5	571.4	.0000	.0000	.0303	.9976	.9950
10500.0	-.0258	-.4090	321.1	409.02	929.5	571.4	.0000	.0000	.0306	.9976	.9950
10400.0	-.0252	-.4047	321.2	409.03	929.5	571.5	.0000	.0000	.0309	.9976	.9951
10300.0	-.0246	-.4004	321.3	409.04	929.5	571.5	.0000	.0000	.0312	.9977	.9951
10200.0	-.0241	-.3962	321.4	409.05	929.5	571.5	.0000	.0000	.0315	.9977	.9952
10100.0	-.0235	-.3919	321.5	409.06	929.5	571.6	.0000	.0000	.0318	.9977	.9952
10000.0	-.0230	-.3878	321.5	409.07	929.5	571.6	.0000	.0000	.0322	.9977	.9953
9900.0	-.0225	-.3836	321.6	409.08	929.5	571.7	.0000	.0000	.0325	.9978	.9953
9800.0	-.0220	-.3795	321.7	409.09	929.5	571.7	.0000	.0000	.0328	.9978	.9954
9700.0	-.0215	-.3754	321.8	409.10	929.4	571.7	.0000	.0000	.0332	.9978	.9954
9600.0	-.0210	-.3713	321.9	409.11	929.4	571.8	.0000	.0000	.0335	.9978	.9955
9500.0	-.0205	-.3672	322.0	409.12	929.4	571.8	.0000	.0000	.0339	.9979	.9955
9400.0	-.0200	-.3632	322.1	409.13	929.4	571.9	.0000	.0000	.0343	.9979	.9955
9300.0	-.0195	-.3593	322.2	409.14	929.4	571.9	.0000	.0000	.0346	.9979	.9955
9200.0	-.0191	-.3553	322.2	409.15	929.4	571.9	.0000	.0000	.0350	.9979	.9956
9100.0	-.0186	-.3513	322.3	409.16	929.4	572.0	.0000	.0000	.0354	.9979	.9957
9000.0	-.0182	-.3474	322.4	409.16	929.4	572.0	.0000	.0000	.0358	.9980	.9957
8900.0	-.0177	-.3435	322.5	409.17	929.4	572.1	.0000	.0000	.0362	.9980	.9958
8800.0	-.0173	-.3397	322.6	409.18	929.4	572.1	.0000	.0000	.0367	.9980	.9958
8700.0	-.0169	-.3358	322.7	409.19	929.4	572.1	.0000	.0000	.0371	.9980	.9959
8600.0	-.0165	-.3320	322.8	409.20	929.4	572.2	.0000	.0000	.0375	.9981	.9959
8500.0	-.0160	-.3282	322.9	409.21	929.3	572.2	.0000	.0000	.0380	.9981	.9960
8400.0	-.0156	-.3244	323.0	409.22	929.3	572.2	.0000	.0000	.0384	.9981	.9960
8300.0	-.0152	-.3206	323.0	409.23	929.3	572.3	.0000	.0000	.0389	.9981	.9961
8200.0	-.0149	-.3169	323.1	409.24	929.3	572.3	.0000	.0000	.0394	.9981	.9961
8100.0	-.0145	-.3132	323.2	409.25	929.3	572.4	.0000	.0000	.0399	.9982	.9962
8000.0	-.0141	-.3095	323.3	409.26	929.3	572.4	.0000	.0000	.0404	.9982	.9962
7900.0	-.0137	-.3058	323.4	409.27	929.3	572.5	.0000	.0000	.0409	.9982	.9963
7800.0	-.0134	-.3021	323.5	409.28	929.3	572.5	.0000	.0000	.0415	.9982	.9963
7700.0	-.0130	-.2985	323.6	409.29	929.3	572.5	.0000	.0000	.0420	.9983	.9964
7600.0	-.0127	-.2948	323.7	409.30	929.3	572.6	.0000	.0000	.0426	.9983	.9964
7500.0	-.0123	-.2912	323.8	409.31	929.3	572.6	.0000	.0000	.0432	.9983	.9965
7400.0	-.0120	-.2876	323.8	409.32	929.3	572.7	.0000	.0000	.0438	.9983	.9965
7300.0	-.0117	-.2840	323.9	409.33	929.2	572.7	.0000	.0000	.0444	.9984	.9966
7200.0	-.0113	-.2804	324.0	409.34	929.2	572.8	.0000	.0000	.0450	.9984	.9966
7100.0	-.0110	-.2769	324.1	409.35	929.2	572.8	.0000	.0000	.0457	.9984	.9967
7000.0	-.0107	-.2733	324.2	409.35	929.2	572.8	.0000	.0000	.0463	.9984	.9967
6900.0	-.0104	-.2698	324.3	409.36	929.2	572.9	.0000	.0000	.0470	.9984	.9968
6800.0	-.0101	-.2663	324.4	409.37	929.2	572.9	.0000	.0000	.0477	.9985	.9968
6700.0	-.0098	-.2627	324.5	409.38	929.2	573.0	.0000	.0000	.0484	.9985	.9969
6600.0	-.0095	-.2592	324.6	409.39	929.2	573.0	.0000	.0000	.0492	.9985	.9969
6500.0	-.0092	-.2557	324.7	409.40	929.2	573.0	.0000	.0000	.0499	.9985	.9969
6400.0	-.0089	-.2522	324.7	409.41	929.2	573.1	.0000	.0000	.0507	.9986	.9970
6300.0	-.0086	-.2488	324.8	409.42	929.2	573.1	.0000	.0000	.0516	.9986	.9970
6200.0	-.0084	-.2453	324.9	409.43	929.2	573.2	.0000	.0000	.0524	.9986	.9971
6100.0	-.0081	-.2418	325.0	409.44	929.1	573.2	.0000	.0000	.0533	.9986	.9971
6000.0	-.0079	-.2384	325.1	409.45	929.1	573.2	.0000	.0000	.0542	.9987	.9972
5900.0	-.0076	-.2349	325.2	409.46	929.1	573.3	.0000	.0000	.0551	.9987	.9972
5800.0	-.0074	-.2315	325.3	409.47	929.1	573.3	.0000	.0000	.0561	.9987	.9973
5700.0	-.0071	-.2280	325.4	409.48	929.1	573.4	.0000	.0000	.0571	.9987	.9973
5600.0	-.0069	-.2246	325.5	409.49	929.1	573.4	.0000	.0000	.0581	.9988	.9974
5500.0	-.0067	-.2212	325.6	409.50	929.1	573.4	.0000	.0000	.0592	.9988	.9974
5400.0	-.0064	-.2177	325.6	409.51	929.1	573.5	.0000	.0000	.0603	.9988	.9975
5300.0	-.0062	-.2143	325.7	409.52	929.1	573.5	.0000	.0000	.0615	.9988	.9975
5200.0	-.0060	-.2109	325.8	409.53	929.1	573.6	.0000	.0000	.0627	.9988	.9976
5100.0	-.0058	-.2074	325.9	409.54	929.1	573.6	.0000	.0000	.0639	.9989	.9976
5000.0	-.0056	-.2040	326.0	409.55	929.1	573.7	.0000	.0000	.0652	.9989	.9977
4900.0	-.0053	-.2006	326.1	409.55	929.0	573.7	.0000	.0000	.0665	.9989	.9977
4800.0	-.0051	-.1972	326.2	409.57	929.0	573.7	.0000	.0000	.0680	.9989	.9977
4700.0	-.0049	-.1937	326.3	409.58	929.0	573.8	.0000	.0000	.0694	.9990	.9978
4600.0	-.0047	-.1903	326.4	409.59	929.0	573.8	.0000	.0000	.0709	.9990	.9979
4500.0	-.0044	-.1869	326.5	409.59	929.0	573.9	.0000	.0000	.0725	.9990	.9979
4400.0	-.0042	-.1834	326.6	409.60	929.0	573.9	.0000	.0000	.0742	.9990	.9980
4300.0	-.0040	-.1799	326.6	409.61	929.0	573.9	.0000	.0000	.0760	.9991	.9980
4200.0	-.0038	-.1765	326.7	409.62	929.0	574.0	.0000	.0000	.0778	.9991	.9981
4100.0	-.0036	-.1730	326.8	409.63	929.0	574.0	.0000	.0000	.0797	.9991	.9981
4000.0	-.0033	-.1695	326.9	409.64	929.0	574.1	.0000	.0000	.0817	.9991	.9982
3900.0	-.0031	-.1660	327.0	409.65	929.0	574.1	.0000	.0000	.0838	.9992	.9982
3800.0	-.0029	-.1625	327.1	409.66	928.9	574.2	.0000	.0000	.0861	.9992	.9983
3700.0	-.0027	-.1590	327.2	409.67	928.9	574.2	.0000	.0000	.0884	.9992	.9983
3600.0	-.0025	-.1555	327.3	409.68	928.9	574.2	.0000	.0000	.0909	.9992	.9984
3500.0	-.0023	-.1519	327.4	409.69	928.9	574.3	.0000	.0000	.0935	.9992	.9984
3400.0	-.0021	-.1483	327.5	409.70	928.9	574.3	.0000	.0000	.0963	.9993	.9985
3300.0	-.0020	-.1447	327.6	409.71	928.9	574.4	.0000	.0000	.0993	.9993	.9985
3200.0	-.0018	-.1411	327.6	409.72	928.9	574.4	.0000	.0000	.1024	.9993	.9986
3100.0	-.0016	-.1375	327.7	409.73	928.9	574.4	.0000	.0000	.1057	.9993	.9986
3000.0	-.0014	-.1339	327.8	409.74	928.9	574.5	.0000	.0000	.1093	.9994	.9987
2900.0	-.0012	-.1301	327.9	409.75	928.9	574.5	.0000	.0000	.1131	.9994	.9987
2800.0	-.0010	-.1264	328.0	409.75	928.9	574.6	.0000	.0000	.1171	.9994	.9988
2700.0	-.0008	-.1226	328.1	409.77	928.9	574.6	.0000	.0000	.1214	.9994	.9988
2600.0	-.0007	-.1188	328.2	409.78	928.9	574.6	.0000	.0000	.1262	.9995	.9989
2500.0	-.0005	-.1149	328.3	409.79	928.8	574.7	.0000	.0000	.1313	.9995	.9989
2400.0	-.0004	-.1110	328.4	409.80	928.8	574.7	.0000	.0000	.1368	.9995	.9990
2300.0	-.0003	-.1071	328.5	409.81	928.8	574.8	.0000	.0000	.1428	.9995	.9990
2200.0	-.0002	-.1031	328.6	409.82	928.8	574.8	.0000	.0000	.1493	.9996	.9991
2100.0	-.0001	-.0990	328.7	409.83	928.8	574.9	.0000	.0000	.1565	.9996	.9991

TABLE 3. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 410 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
2000.0	-.0010	-.0949	328.7	409.84	928.8	574.9	.0000	.0000	.1644	.9996	.9992
1900.0	-.0009	-.0907	328.8	409.85	928.8	574.9	.0000	.0000	.1731	.9996	.9992
1800.0	-.0008	-.0864	328.9	409.86	928.8	575.0	.0000	.0000	.1827	.9996	.9993
1700.0	-.0008	-.0820	329.0	409.87	928.8	575.0	.0000	.0000	.1935	.9997	.9993
1600.0	-.0007	-.0775	329.1	409.88	928.8	575.1	.0000	.0000	.2057	.9997	.9994
1500.0	-.0006	-.0729	329.2	409.89	928.8	575.1	.0000	.0000	.2195	.9997	.9994
1400.0	-.0005	-.0682	329.3	409.90	928.7	575.1	.0000	.0000	.2352	.9997	.9995
1300.0	-.0005	-.0633	329.4	409.91	928.7	575.2	.0000	.0000	.2534	.9998	.9995
1200.0	-.0004	-.0583	329.5	409.91	928.7	575.2	.0000	.0000	.2746	.9998	.9996
1100.0	-.0003	-.0531	329.6	409.93	928.7	575.3	.0000	.0000	.2996	.9998	.9996
1000.0	-.0003	-.0476	329.7	409.93	928.7	575.3	.0000	.0000	.3297	.9998	.9997
900.0	-.0002	-.0419	329.8	409.94	928.7	575.4	.0000	.0000	.3664	.9999	.9997
800.0	-.0002	-.0359	329.9	409.95	928.7	575.4	.0000	.0000	.4123	.9999	.9998
700.0	-.0001	-.0295	330.0	409.96	928.7	575.4	.0000	.0000	.4714	.9999	.9998
600.0	-.0001	-.0226	330.0	409.97	928.7	575.5	.0000	.0000	.5501	.9999	.9999
500.0	-.0000	-.0150	330.1	409.98	928.7	575.5	.0000	.0000	.6603	1.0000	.9999
400.0	-.0000	-.0066	330.2	409.99	928.7	575.6	.0000	.0000	.8256	1.0000	1.0000

TABLE . SUBCOOLED CRITICAL STATE PROPERTIES

(TO 420 K)

PO KPA	XO	AO	PP KPA	TP K	RP KG/M3	HP KJ/KG	XP	AP	PP	TP	RP
22120.0	*******	********	411.3	417.78	921.7	609.0	.0030	.0000	.0186	.9947	.9894
22100.0	-4.1353	-12.9974	411.4	417.79	921.7	609.0	.0000	.0000	.0186	.9947	.9894
22000.0	-1.5125	-5.2525	411.5	417.80	921.7	609.1	.0000	.0000	.0187	.9948	.9894
21900.0	-1.0713	-3.9370	411.6	417.81	921.7	609.1	.0000	.0000	.0188	.9948	.9895
21800.0	-.8638	-3.3110	411.7	417.82	921.7	609.2	.0000	.0000	.0189	.9948	.9895
21700.0	-.7368	-2.9241	411.8	417.82	921.7	609.2	.0000	.0000	.0190	.9948	.9895
21600.0	-.6488	-2.6537	411.9	417.83	921.7	609.2	.0000	.0000	.0191	.9948	.9896
21500.0	-.5831	-2.4501	412.0	417.84	921.7	609.3	.0000	.0000	.0192	.9949	.9896
21400.0	-.5316	-2.2892	412.1	417.85	921.6	609.3	.0000	.0000	.0193	.9949	.9897
21300.0	-.4898	-2.1574	412.3	417.86	921.6	609.4	.0000	.0000	.0194	.9949	.9897
21200.0	-.4559	-2.0466	412.4	417.87	921.6	609.4	.0000	.0000	.0195	.9949	.9898
21150.0	-.4392	-1.9916	412.5	417.88	921.5	609.4	.0000	.0000	.0195	.9950	.9898
21000.0	-.3995	-1.8687	412.6	417.89	921.6	609.5	.0000	.0000	.0196	.9950	.9899
20900.0	-.3770	-1.7954	412.7	417.90	921.6	609.5	.0000	.0000	.0197	.9950	.9899
20800.0	-.3570	-1.7299	412.8	417.91	921.6	609.6	.0000	.0000	.0198	.9950	.9900
20700.0	-.3391	-1.6708	412.9	417.92	921.6	609.6	.0000	.0000	.0199	.9951	.9900
20600.0	-.3229	-1.6171	413.0	417.93	921.6	609.7	.0000	.0000	.0201	.9951	.9901
20500.0	-.3083	-1.5679	413.2	417.94	921.6	609.7	.0000	.0000	.0202	.9951	.9901
20400.0	-.2948	-1.5225	413.3	417.95	921.5	609.8	.0000	.0000	.0203	.9951	.9902
20300.0	-.2825	-1.4805	413.4	417.96	921.5	609.8	.0000	.0000	.0204	.9951	.9902
20200.0	-.2711	-1.4414	413.5	417.97	921.5	609.8	.0000	.0000	.0205	.9952	.9903
20100.0	-.2605	-1.4049	413.6	417.98	921.5	609.9	.0000	.0000	.0206	.9952	.9903
20000.0	-.2506	-1.3706	413.7	417.99	921.5	609.9	.0000	.0000	.0207	.9952	.9903
19900.0	-.2414	-1.3383	413.8	418.00	921.5	610.0	.0000	.0000	.0208	.9952	.9904
19800.0	-.2328	-1.3078	413.9	418.01	921.5	610.0	.0000	.0000	.0209	.9953	.9904
19700.0	-.2247	-1.2790	414.0	418.02	921.5	610.0	.0000	.0000	.0210	.9953	.9905
19600.0	-.2171	-1.2516	414.2	418.03	921.4	610.1	.0000	.0000	.0211	.9953	.9905
19500.0	-.2099	-1.2256	414.3	418.04	921.5	610.1	.0000	.0000	.0212	.9953	.9906
19400.0	-.2030	-1.2008	414.4	418.05	921.5	610.2	.0000	.0000	.0214	.9954	.9906
19300.0	-.1964	-1.1771	414.5	418.06	921.5	610.2	.0000	.0000	.0215	.9954	.9907
19200.0	-.1901	-1.1544	414.6	418.07	921.4	610.3	.0000	.0000	.0216	.9954	.9907
19120.0	-.1846	-1.1327	414.7	418.08	921.4	610.3	.0000	.0000	.0217	.9954	.9908
19000.0	-.1790	-1.1119	414.8	418.09	921.4	610.3	.0000	.0000	.0218	.9955	.9908
18900.0	-.1737	-1.0919	414.9	418.10	921.4	610.4	.0000	.0000	.0220	.9955	.9909
18800.0	-.1687	-1.0728	415.0	418.11	921.4	610.4	.0000	.0000	.0221	.9955	.9909
18700.0	-.1638	-1.0545	415.2	418.12	921.4	610.5	.0000	.0000	.0222	.9955	.9909
18600.0	-.1592	-1.0368	415.3	418.13	921.4	610.5	.0000	.0000	.0223	.9955	.9910
18500.0	-.1547	-1.0199	415.4	418.14	921.4	610.6	.0000	.0000	.0225	.9956	.9910
18400.0	-.1505	-1.0023	415.5	418.15	921.4	610.6	.0000	.0000	.0226	.9956	.9911
18300.0	-.1464	-.9862	415.6	418.16	921.4	610.6	.0000	.0000	.0227	.9956	.9911
18200.0	-.1425	-.9706	415.8	418.17	921.4	610.7	.0000	.0000	.0228	.9956	.9911
18100.0	-.1387	-.9556	415.9	418.18	921.3	610.7	.0000	.0000	.0230	.9957	.9912
18000.0	-.1350	-.9410	416.0	418.19	921.3	610.8	.0000	.0000	.0231	.9957	.9913
17900.0	-.1315	-.9269	416.1	418.20	921.3	610.8	.0000	.0000	.0232	.9957	.9913
17800.0	-.1281	-.9131	416.2	418.21	921.3	610.9	.0000	.0000	.0234	.9957	.9914
17700.0	-.1249	-.8997	416.3	418.22	921.3	610.9	.0000	.0000	.0235	.9958	.9914
17600.0	-.1217	-.8868	416.4	418.23	921.3	610.9	.0000	.0000	.0237	.9958	.9915
17500.0	-.1187	-.8742	416.6	418.24	921.3	611.0	.0000	.0000	.0238	.9958	.9915
17400.0	-.1158	-.8620	416.7	418.25	921.3	611.0	.0000	.0000	.0239	.9958	.9916
17300.0	-.1129	-.8501	416.8	418.26	921.3	611.1	.0000	.0000	.0241	.9959	.9916
17200.0	-.1102	-.8386	416.9	418.27	921.3	611.1	.0000	.0000	.0242	.9959	.9917
17100.0	-.1075	-.8273	417.0	418.28	921.3	611.2	.0000	.0000	.0244	.9959	.9917
17000.0	-.1050	-.8163	417.1	418.29	921.2	611.2	.0000	.0000	.0245	.9959	.9918
16900.0	-.1025	-.8056	417.2	418.30	921.2	611.2	.0000	.0000	.0247	.9960	.9918
16800.0	-.1001	-.7952	417.4	418.31	921.2	611.3	.0000	.0000	.0248	.9960	.9918
16700.0	-.0978	-.7850	417.5	418.32	921.2	611.3	.0000	.0000	.0250	.9960	.9919
16600.0	-.0955	-.7751	417.6	418.33	921.2	611.4	.0000	.0000	.0252	.9960	.9919
16500.0	-.0934	-.7654	417.7	418.34	921.2	611.4	.0000	.0000	.0253	.9960	.9920
16400.0	-.0912	-.7560	417.8	418.35	921.2	611.5	.0000	.0000	.0255	.9961	.9920
16300.0	-.0892	-.7469	417.9	418.36	921.2	611.5	.0000	.0000	.0256	.9961	.9921
16200.0	-.0872	-.7379	418.0	418.37	921.2	611.5	.0000	.0000	.0258	.9961	.9921
16100.0	-.0852	-.7292	418.2	418.38	921.2	611.5	.0000	.0000	.0260	.9961	.9922
16000.0	-.0833	-.7207	418.3	418.39	921.2	611.6	.0000	.0000	.0261	.9962	.9922
15900.0	-.0815	-.7124	418.4	418.40	921.1	611.6	.0000	.0000	.0263	.9962	.9923
15800.0	-.0797	-.7043	418.5	418.41	921.1	611.7	.0000	.0000	.0265	.9962	.9923
15700.0	-.0779	-.6964	418.6	418.42	921.1	611.7	.0000	.0000	.0267	.9962	.9924
15600.0	-.0762	-.6888	418.7	418.43	921.1	611.8	.0000	.0000	.0268	.9963	.9924
15500.0	-.0744	-.6811	418.9	418.44	921.1	611.8	.0000	.0000	.0270	.9963	.9925
15400.0	-.0729	-.6740	419.0	418.45	921.1	611.9	.0000	.0000	.0272	.9963	.9925
15300.0	-.0713	-.6669	419.1	418.46	921.1	611.9	.0000	.0000	.0274	.9963	.9926
15200.0	-.0698	-.6598	419.2	418.47	921.1	612.0	.0000	.0000	.0276	.9964	.9926
15100.0	-.0683	-.6530	419.3	418.48	921.1	612.0	.0000	.0000	.0278	.9964	.9927
15000.0	-.0668	-.6463	419.4	418.49	921.1	612.1	.0000	.0000	.0280	.9964	.9927
14900.0	-.0654	-.6397	419.5	418.50	921.0	612.1	.0000	.0000	.0282	.9964	.9928
14800.0	-.0640	-.6334	419.7	418.51	921.0	612.2	.0000	.0000	.0284	.9965	.9928
14700.0	-.0625	-.6271	419.8	418.52	921.0	612.2	.0000	.0000	.0286	.9965	.9929
14600.0	-.0613	-.6210	419.9	418.53	921.0	612.2	.0000	.0000	.0288	.9965	.9929
14500.0	-.0600	-.6152	420.0	418.54	921.0	612.3	.0000	.0000	.0290	.9965	.9929
14400.0	-.0587	-.6096	420.1	418.55	921.0	612.3	.0000	.0000	.0292	.9965	.9930
14300.0	-.0574	-.5930	420.3	418.56	921.0	612.4	.0000	.0000	.0294	.9966	.9930
14200.0	-.0562	-.5986	420.4	418.57	921.0	612.4	.0000	.0000	.0296	.9966	.9931
14100.0	-.0550	-.5802	420.5	418.58	921.0	612.5	.0000	.0000	.0298	.9966	.9931
14000.0	-.0538	-.5739	420.6	418.59	921.0	612.5	.0000	.0000	.0300	.9966	.9932
13900.0	-.0527	-.5677	420.7	418.60	921.0	612.5	.0000	.0000	.0303	.9967	.9932
13800.0	-.0516	-.5616	420.8	418.61	921.0	612.6	.0000	.0000	.0305	.9967	.9933
13700.0	-.0506	-.5556	420.9	418.62	920.9	612.6	.0000	.0000	.0307	.9967	.9933
13600.0	-.0494	-.5497	421.1	418.63	920.9	612.7	.0000	.0000	.0310	.9967	.9934
13500.0	-.0484	-.5438	421.2	418.64	920.9	612.7	.0000	.0000	.0312	.9968	.9934
13400.0	-.0474	-.5380	421.3	418.65	920.9	612.8	.0000	.0000	.0314	.9968	.9935
13300.0	-.0464	-.5323	421.4	418.66	920.9	612.8	.0000	.0000	.0317	.9968	.9935
13200.0	-.0454	-.5265	421.5	418.67	920.9	612.8	.0000	.0000	.0319	.9968	.9936
13110.0	-.0444	-.5210	421.6	418.68	920.9	612.9	.0000	.0000	.0322	.9969	.9936
13000.0	-.0435	-.5155	421.8	418.69	920.9	612.9	.0000	.0000	.0324	.9969	.9937
12900.0	-.0425	-.5101	421.9	418.70	920.9	613.0	.0000	.0000	.0327	.9969	.9937
12800.0	-.0416	-.5047	422.0	418.71	920.9	613.0	.0000	.0000	.0330	.9969	.9938
12700.0	-.0408	-.4993	422.1	418.72	920.9	613.1	.0000	.0000	.0332	.9970	.9938
12600.0	-.0399	-.4941	422.2	418.73	920.8	613.1	.0000	.0000	.0335	.9970	.9939
12500.0	-.0390	-.4889	422.4	418.74	920.8	613.1	.0000	.0000	.0338	.9970	.9939
12400.0	-.0382	-.4837	422.5	418.75	920.8	613.2	.0000	.0000	.0341	.9970	.9940
12300.0	-.0374	-.4786	422.6	418.76	920.8	613.2	.0000	.0000	.0344	.9971	.9940
12220.0	-.0368	-.4745	422.7	418.77	920.8	613.3	.0000	.0000	.0346	.9971	.9941
12120.0	-.0358	-.4688	422.8	418.78	920.8	613.3	.0000	.0000	.0349	.9971	.9941

TABLE I. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 420 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
12000.0	-.0350	-.4636	422.9	418.79	920.8	613.4	.0000	.0000	.0352	.9971	.9947
11900.0	-.0343	-.4598	423.0	418.80	920.8	613.4	.0000	.0000	.0355	.9971	.9947
11800.0	-.0336	-.4559	423.2	418.84	920.8	613.5	.0000	.0000	.0359	.9972	.9947
11700.0	-.0328	-.4491	423.3	418.87	920.8	613.5	.0000	.0000	.0362	.9973	.9947
11600.0	-.0321	-.4444	423.4	418.83	920.8	613.5	.0000	.0000	.0365	.9973	.9944
11500.0	-.0314	-.4397	423.5	418.85	920.7	613.6	.0000	.0000	.0368	.9973	.9944
11400.0	-.0307	-.4350	423.7	418.86	920.7	613.6	.0000	.0000	.0372	.9973	.9945
11300.0	-.0301	-.4304	423.8	418.87	920.7	613.7	.0000	.0000	.0375	.9973	.9945
11200.0	-.0294	-.4258	423.9	418.88	920.7	613.7	.0000	.0000	.0378	.9973	.9946
11100.0	-.0288	-.4213	424.0	418.89	920.7	613.8	.0000	.0000	.0382	.9973	.9946
11000.0	-.0281	-.4168	424.1	418.90	920.7	613.8	.0000	.0000	.0386	.9974	.9947
10900.0	-.0275	-.4123	424.3	418.91	920.7	613.9	.0000	.0000	.0389	.9974	.9947
10800.0	-.0269	-.4079	424.4	418.92	920.7	613.9	.0000	.0000	.0393	.9974	.9948
10700.0	-.0263	-.4035	424.5	418.93	920.7	613.9	.0000	.0000	.0397	.9974	.9948
10600.0	-.0257	-.3992	424.6	418.94	920.7	614.0	.0000	.0000	.0401	.9975	.9948
10500.0	-.0251	-.3949	424.7	418.95	920.6	614.0	.0000	.0000	.0405	.9975	.9949
10400.0	-.0246	-.3906	424.8	418.96	920.6	614.1	.0000	.0000	.0409	.9975	.9949
10300.0	-.0240	-.3864	425.0	418.97	920.6	614.1	.0000	.0000	.0413	.9975	.9950
10200.0	-.0235	-.3822	425.1	418.98	920.6	614.2	.0000	.0000	.0417	.9976	.9950
10100.0	-.0229	-.3780	425.2	418.99	920.6	614.2	.0000	.0000	.0421	.9976	.9951
10000.0	-.0224	-.3739	425.3	419.00	920.6	614.2	.0000	.0000	.0425	.9976	.9951
9900.0	-.0219	-.3697	425.4	419.01	920.6	614.3	.0000	.0000	.0430	.9976	.9952
9800.0	-.0214	-.3657	425.6	419.02	920.6	614.3	.0000	.0000	.0434	.9977	.9952
9700.0	-.0209	-.3616	425.7	419.03	920.6	614.4	.0000	.0000	.0439	.9977	.9953
9600.0	-.0204	-.3576	425.8	419.04	920.6	614.4	.0000	.0000	.0444	.9977	.9953
9500.0	-.0199	-.3536	425.9	419.05	920.6	614.5	.0000	.0000	.0448	.9977	.9954
9400.0	-.0194	-.3496	426.0	419.06	920.5	614.5	.0000	.0000	.0453	.9978	.9954
9300.0	-.0190	-.3457	426.2	419.07	920.5	614.6	.0000	.0000	.0458	.9978	.9955
9200.0	-.0185	-.3417	426.3	419.08	920.5	614.6	.0000	.0000	.0463	.9979	.9955
9100.0	-.0181	-.3378	426.4	419.09	920.5	614.6	.0000	.0000	.0469	.9978	.9956
9000.0	-.0176	-.3340	426.5	419.10	920.5	614.7	.0000	.0000	.0474	.9979	.9956
8900.0	-.0172	-.3301	426.6	419.11	920.5	614.7	.0000	.0000	.0479	.9979	.9957
8800.0	-.0168	-.3263	426.8	419.12	920.5	614.8	.0000	.0000	.0485	.9979	.9957
8700.0	-.0164	-.3225	426.9	419.13	920.5	614.8	.0000	.0000	.0491	.9979	.9958
8600.0	-.0159	-.3187	427.0	419.14	920.5	614.9	.0000	.0000	.0497	.9980	.9958
8500.0	-.0155	-.3150	427.1	419.15	920.5	614.9	.0000	.0000	.0503	.9980	.9959
8400.0	-.0151	-.3112	427.2	419.16	920.5	615.0	.0000	.0000	.0509	.9980	.9959
8300.0	-.0148	-.3075	427.4	419.17	920.4	615.0	.0000	.0000	.0515	.9980	.9960
8200.0	-.0144	-.3038	427.5	419.18	920.4	615.0	.0000	.0000	.0521	.9981	.9960
8100.0	-.0140	-.3001	427.6	419.19	920.4	615.1	.0000	.0000	.0529	.9981	.9961
8000.0	-.0136	-.2965	427.7	419.20	920.4	615.1	.0000	.0000	.0535	.9981	.9961
7900.0	-.0133	-.2928	427.9	419.22	920.4	615.2	.0000	.0000	.0542	.9981	.9962
7800.0	-.0129	-.2892	428.0	419.23	920.4	615.2	.0000	.0000	.0549	.9982	.9962
7720.0	-.0126	-.2856	428.1	419.24	920.4	615.3	.0000	.0000	.0556	.9982	.9963
7600.0	-.0122	-.2820	428.2	419.25	920.4	615.3	.0000	.0000	.0563	.9982	.9963
7500.0	-.0119	-.2784	428.3	419.26	920.4	615.4	.0000	.0000	.0571	.9982	.9964
7400.0	-.0116	-.2748	428.5	419.27	920.4	615.4	.0000	.0000	.0579	.9983	.9964
7300.0	-.0112	-.2713	428.6	419.28	920.3	615.4	.0000	.0000	.0587	.9983	.9965
7200.0	-.0109	-.2677	428.7	419.29	920.3	615.5	.0000	.0000	.0595	.9983	.9965
7100.0	-.0106	-.2642	428.8	419.30	920.3	615.5	.0000	.0000	.0604	.9983	.9966
7000.0	-.0103	-.2607	428.9	419.31	920.3	615.6	.0000	.0000	.0613	.9984	.9966
6900.0	-.0100	-.2572	429.1	419.32	920.3	615.6	.0000	.0000	.0622	.9984	.9967
6800.0	-.0097	-.2537	429.2	419.33	920.3	615.7	.0000	.0000	.0631	.9984	.9967
6700.0	-.0094	-.2502	429.3	419.34	920.3	615.7	.0000	.0000	.0641	.9984	.9968
6600.0	-.0091	-.2468	429.4	419.35	920.3	615.8	.0000	.0000	.0651	.9985	.9968
6500.0	-.0089	-.2433	429.6	419.36	920.3	615.8	.0000	.0000	.0661	.9985	.9969
6400.0	-.0086	-.2399	429.7	419.37	920.3	615.9	.0000	.0000	.0671	.9985	.9969
6300.0	-.0083	-.2366	429.8	419.38	920.3	616.0	.0000	.0000	.0682	.9985	.9970
6200.0	-.0081	-.2330	429.9	419.39	920.2	615.9	.0000	.0000	.0693	.9986	.9970
6100.0	-.0078	-.2296	430.1	419.40	920.2	616.0	.0000	.0000	.0704	.9986	.9971
6000.0	-.0076	-.2261	430.2	419.41	920.2	616.0	.0000	.0000	.0717	.9986	.9971
5900.0	-.0073	-.2227	430.3	419.42	920.2	616.1	.0000	.0000	.0729	.9986	.9972
5800.0	-.0071	-.2193	430.4	419.43	920.2	616.1	.0000	.0000	.0742	.9987	.9972
5700.0	-.0068	-.2159	430.5	419.44	920.2	616.2	.0000	.0000	.0755	.9987	.9973
5600.0	-.0066	-.2125	430.7	419.45	920.2	616.2	.0000	.0000	.0769	.9987	.9973
5500.0	-.0064	-.2091	430.8	419.46	920.2	616.3	.0000	.0000	.0783	.9987	.9974
5400.0	-.0061	-.2057	430.9	419.48	920.2	616.3	.0000	.0000	.0798	.9988	.9974
5300.0	-.0059	-.2023	431.0	419.49	920.2	616.3	.0000	.0000	.0813	.9988	.9975
5200.0	-.0057	-.1990	431.2	419.50	920.1	616.4	.0000	.0000	.0829	.9988	.9975
5100.0	-.0055	-.1956	431.3	419.51	920.1	616.4	.0000	.0000	.0846	.9988	.9976
5000.0	-.0053	-.1922	431.4	419.52	920.1	616.5	.0000	.0000	.0863	.9989	.9977
4900.0	-.0051	-.1889	431.5	419.53	920.1	616.5	.0000	.0000	.0881	.9989	.9977
4800.0	-.0049	-.1856	431.7	419.54	920.1	616.6	.0000	.0000	.0900	.9989	.9978
4700.0	-.0047	-.1822	431.8	419.55	920.1	616.6	.0000	.0000	.0919	.9989	.9978
4600.0	-.0045	-.1788	431.9	419.56	920.1	616.7	.0000	.0000	.0939	.9990	.9979
4500.0	-.0043	-.1755	432.0	419.57	920.1	616.7	.0000	.0000	.0960	.9990	.9979
4400.0	-.0041	-.1721	432.1	419.58	920.1	616.8	.0000	.0000	.0981	.9990	.9980
4300.0	-.0040	-.1688	432.3	419.59	920.1	616.8	.0000	.0000	.1003	.9991	.9980
4200.0	-.0038	-.1654	432.4	419.60	920.0	616.9	.0000	.0000	.1026	.9991	.9981
4100.0	-.0036	-.1621	432.5	419.61	920.0	616.9	.0000	.0000	.1049	.9991	.9981
4000.0	-.0034	-.1587	432.6	419.62	920.0	616.9	.0000	.0000	.1073	.9991	.9982
3900.0	-.0033	-.1554	432.8	419.63	920.0	617.0	.0000	.0000	.1098	.9991	.9982
3800.0	-.0031	-.1521	432.9	419.64	920.0	617.0	.0000	.0000	.1124	.9992	.9983
3700.0	-.0030	-.1487	433.0	419.65	920.0	617.1	.0000	.0000	.1150	.9992	.9983
3600.0	-.0028	-.1454	433.1	419.66	920.0	617.1	.0000	.0000	.1177	.9992	.9984
3500.0	-.0027	-.1421	433.3	419.67	920.0	617.1	.0000	.0000	.1205	.9992	.9984
3400.0	-.0025	-.1388	433.4	419.69	920.0	617.2	.0000	.0000	.1234	.9993	.9985
3300.0	-.0024	-.1355	433.5	419.70	920.0	617.2	.0000	.0000	.1264	.9993	.9985
3200.0	-.0023	-.1322	433.6	419.71	920.0	617.3	.0000	.0000	.1295	.9993	.9986
3100.0	-.0021	-.1289	433.8	419.72	919.9	617.3	.0000	.0000	.1327	.9993	.9986
3000.0	-.0020	-.1257	433.9	419.73	919.9	617.4	.0000	.0000	.1360	.9994	.9987
2900.0	-.0019	-.1224	434.0	419.74	919.9	617.4	.0000	.0000	.1394	.9994	.9987
2800.0	-.0018	-.1191	434.1	419.75	919.9	617.5	.0000	.0000	.1429	.9994	.9988
2700.0	-.0016	-.1159	434.3	419.76	919.9	617.5	.0000	.0000	.1465	.9994	.9988
2600.0	-.0015	-.1126	434.4	419.77	919.9	617.6	.0000	.0000	.1501	.9995	.9989
2500.0	-.0014	-.1094	434.5	419.78	919.9	617.6	.0000	.0000	.1538	.9995	.9989
2400.0	-.0013	-.1061	434.6	419.79	919.8	617.7	.0000	.0000	.1577	.9995	.9990
2300.0	-.0012	-.1029	434.8	419.80	919.8	617.7	.0000	.0000	.1616	.9995	.9990
2200.0	-.0011	-.0997	434.9	419.81	919.8	617.8	.0000	.0000	.1657	.9996	.9991
2100.0	-.0010	-.0965	435.0	419.82	919.8	617.8	.0000	.0000	.1699	.9996	.9991

TABLE 1. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 420 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
2000.0	-.0009	-.0842	435.2	419.83	919.8	617.8	.0000	.0000	.2176	.9996	.9992
1900.0	-.0008	-.0800	435.3	419.84	919.8	617.9	.0000	.0000	.2291	.9996	.9992
1800.0	-.0007	-.0758	435.4	419.85	919.8	617.9	.0000	.0000	.2416	.9997	.9993
1700.0	-.0007	-.0714	435.5	419.87	919.8	618.0	.0000	.0000	.2552	.9997	.9993
1600.0	-.0006	-.0670	435.6	419.88	919.8	618.0	.0000	.0000	.2723	.9997	.9994
1520.0	-.0005	-.0624	435.8	419.89	919.8	618.1	.0000	.0000	.2905	.9997	.9994
1400.0	-.0004	-.0579	435.9	419.90	919.8	618.1	.0000	.0000	.3114	.9998	.9995
1300.0	-.0004	-.0529	436.0	419.91	919.8	618.2	.0000	.0000	.3354	.9998	.9996
1200.0	-.0003	-.0480	436.2	419.92	919.8	618.2	.0000	.0000	.3635	.9998	.9996
1100.0	-.0003	-.0428	436.3	419.93	919.7	618.3	.0000	.0000	.3966	.9998	.9997
1000.0	-.0002	-.0376	436.4	419.94	919.7	618.3	.0000	.0000	.4364	.9999	.9997
900.0	-.0002	-.0318	436.5	419.95	919.7	618.3	.0000	.0000	.4850	.9999	.9998
800.0	-.0001	-.0254	436.7	419.96	919.7	618.4	.0000	.0000	.5458	.9999	.9998
700.0	-.0001	-.0184	436.8	419.97	919.7	618.4	.0000	.0000	.6240	.9999	.9999
600.0	-.0000	-.0126	436.9	419.98	919.7	618.5	.0000	.0000	.7282	1.0000	.9999
500.0	-.0000	-.0051	437.1	419.99	919.7	618.5	.0000	.0000	.8741	1.0000	1.0000

TABLE . SUBCOOLED CRITICAL STATE PROPERTIES

(TO 430 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	Y*	A*	PR	TR	RR
22120.0	*******	********	535.7	427.61	912.6	651.4	.0000	.0000	.0242	.9944	.9890
22100.0	-4.1121	-12.8009	535.7	427.61	912.6	651.4	.0000	.0000	.0242	.9944	.9890
22000.0	-1.5027	-5.1684	535.9	427.62	912.6	651.5	.0000	.0000	.0244	.9945	.9891
21900.0	-1.0642	-3.8729	536.0	427.63	912.6	651.5	.0000	.0000	.0245	.9945	.9891
21800.0	-.8574	-3.2551	536.2	427.64	912.5	651.6	.0000	.0000	.0246	.9945	.9892
21700.0	-.7311	-2.8738	536.3	427.65	912.5	651.6	.0000	.0000	.0247	.9945	.9892
21600.0	-.6436	-2.6073	536.5	427.66	912.5	651.7	.0000	.0000	.0248	.9946	.9893
21500.0	-.5783	-2.4067	536.6	427.67	912.5	651.7	.0000	.0000	.0250	.9946	.9893
21400.0	-.5271	-2.2491	536.8	427.69	912.5	651.8	.0000	.0000	.0251	.9946	.9894
21300.0	-.4856	-2.1183	536.9	427.70	912.5	651.8	.0000	.0000	.0252	.9946	.9894
21200.0	-.4508	-2.0090	537.1	427.71	912.5	651.9	.0000	.0000	.0253	.9947	.9895
21100.0	-.4214	-1.9153	537.2	427.72	912.5	651.9	.0000	.0000	.0255	.9947	.9895
21000.0	-.3959	-1.8335	537.4	427.73	912.5	651.9	.0000	.0000	.0256	.9947	.9896
20900.0	-.3735	-1.7614	537.5	427.74	912.5	652.0	.0000	.0000	.0257	.9947	.9896
20800.0	-.3536	-1.6969	537.7	427.75	912.4	652.0	.0000	.0000	.0258	.9948	.9897
20700.0	-.3358	-1.6386	537.8	427.76	912.4	652.1	.0000	.0000	.0260	.9948	.9897
20600.0	-.3197	-1.5856	538.0	427.77	912.4	652.1	.0000	.0000	.0261	.9948	.9897
20500.0	-.3051	-1.5371	538.1	427.78	912.4	652.2	.0000	.0000	.0262	.9948	.9898
20400.0	-.2918	-1.4924	538.3	427.79	912.4	652.2	.0000	.0000	.0264	.9949	.9898
20300.0	-.2796	-1.4510	538.4	427.80	912.4	652.3	.0000	.0000	.0265	.9949	.9899
20200.0	-.2682	-1.4124	538.6	427.81	912.4	652.3	.0000	.0000	.0267	.9949	.9899
20100.0	-.2577	-1.3764	538.7	427.82	912.4	652.4	.0000	.0000	.0268	.9949	.9900
20000.0	-.2479	-1.3426	538.9	427.83	912.4	652.4	.0000	.0000	.0269	.9950	.9900
19900.0	-.2388	-1.3108	539.0	427.85	912.4	652.4	.0000	.0000	.0271	.9950	.9901
19800.0	-.2302	-1.2808	539.2	427.86	912.3	652.5	.0000	.0000	.0272	.9950	.9901
19700.0	-.2222	-1.2523	539.3	427.87	912.3	652.5	.0000	.0000	.0274	.9950	.9902
19600.0	-.2146	-1.2253	539.5	427.88	912.3	652.6	.0000	.0000	.0275	.9951	.9902
19500.0	-.2074	-1.1997	539.6	427.89	912.3	652.6	.0000	.0000	.0277	.9951	.9903
19400.0	-.2007	-1.1752	539.8	427.90	912.3	652.7	.0000	.0000	.0278	.9951	.9903
19300.0	-.1942	-1.1518	539.9	427.91	912.3	652.7	.0000	.0000	.0280	.9951	.9904
19200.0	-.1882	-1.1295	540.1	427.92	912.3	652.8	.0000	.0000	.0281	.9952	.9904
19100.0	-.1824	-1.1081	540.2	427.93	912.3	652.8	.0000	.0000	.0283	.9952	.9905
19000.0	-.1768	-1.0875	540.4	427.94	912.3	652.9	.0000	.0000	.0284	.9952	.9905
18900.0	-.1714	-1.0678	540.5	427.95	912.3	652.9	.0000	.0000	.0286	.9953	.9905
18800.0	-.1665	-1.0488	540.7	427.96	912.2	653.0	.0000	.0000	.0288	.9953	.9906
18700.0	-.1617	-1.0305	540.8	427.97	912.2	653.0	.0000	.0000	.0289	.9953	.9907
18600.0	-.1571	-1.0129	541.0	427.98	912.2	653.1	.0000	.0000	.0291	.9953	.9907
18500.0	-.1527	-.9959	541.1	428.00	912.2	653.1	.0000	.0000	.0293	.9953	.9908
18400.0	-.1484	-.9795	541.3	428.01	912.2	653.2	.0000	.0000	.0294	.9954	.9909
18300.0	-.1444	-.9636	541.4	428.02	912.2	653.2	.0000	.0000	.0296	.9954	.9909
18200.0	-.1405	-.9482	541.6	428.03	912.2	653.2	.0000	.0000	.0298	.9954	.9909
18100.0	-.1368	-.9334	541.8	428.04	912.2	653.3	.0000	.0000	.0299	.9954	.9910
18000.0	-.1332	-.9190	541.9	428.05	912.2	653.3	.0000	.0000	.0301	.9955	.9910
17900.0	-.1297	-.9050	542.1	428.06	912.2	653.4	.0000	.0000	.0303	.9955	.9911
17800.0	-.1263	-.8915	542.2	428.07	912.1	653.4	.0000	.0000	.0305	.9955	.9911
17700.0	-.1231	-.8783	542.4	428.08	912.1	653.5	.0000	.0000	.0306	.9955	.9912
17600.0	-.1200	-.8656	542.5	428.09	912.1	653.5	.0000	.0000	.0308	.9956	.9912
17500.0	-.1170	-.8532	542.7	428.10	912.1	653.6	.0000	.0000	.0310	.9956	.9913
17400.0	-.1141	-.8411	542.8	428.11	912.1	653.6	.0000	.0000	.0312	.9956	.9913
17300.0	-.1113	-.8294	543.0	428.12	912.1	653.7	.0000	.0000	.0314	.9956	.9914
17200.0	-.1086	-.8180	543.1	428.14	912.1	653.7	.0000	.0000	.0316	.9957	.9914
17100.0	-.1059	-.8069	543.3	428.15	912.1	653.8	.0000	.0000	.0318	.9957	.9915
17000.0	-.1034	-.7960	543.4	428.16	912.1	653.8	.0000	.0000	.0320	.9957	.9915
16900.0	-.1009	-.7854	543.6	428.17	912.0	653.9	.0000	.0000	.0322	.9957	.9916
16800.0	-.0985	-.7750	543.7	428.18	912.0	653.9	.0000	.0000	.0324	.9958	.9916
16700.0	-.0962	-.7649	543.9	428.19	912.0	653.9	.0000	.0000	.0326	.9958	.9917
16600.0	-.0940	-.7550	544.0	428.20	912.0	654.0	.0000	.0000	.0328	.9959	.9917
16500.0	-.0919	-.7451	544.2	428.21	912.0	654.0	.0000	.0000	.0330	.9959	.9918
16400.0	-.0898	-.7357	544.4	428.22	912.0	654.1	.0000	.0000	.0332	.9959	.9918
16300.0	-.0877	-.7264	544.5	428.23	912.0	654.1	.0000	.0000	.0334	.9960	.9919
16200.0	-.0858	-.7175	544.7	428.24	912.0	654.2	.0000	.0000	.0336	.9960	.9919
16100.0	-.0838	-.7089	544.8	428.25	912.0	654.2	.0000	.0000	.0338	.9960	.9919
16000.0	-.0819	-.7011	545.0	428.27	912.0	654.3	.0000	.0000	.0341	.9960	.9920
15900.0	-.0801	-.6927	545.1	428.28	911.9	654.3	.0000	.0000	.0343	.9960	.9920
15800.0	-.0783	-.6844	545.3	428.29	911.9	654.4	.0000	.0000	.0345	.9960	.9921
15700.0	-.0766	-.6762	545.4	428.30	911.9	654.4	.0000	.0000	.0347	.9960	.9921
15600.0	-.0749	-.6682	545.6	428.31	911.9	654.5	.0000	.0000	.0350	.9961	.9922
15500.0	-.0733	-.6604	545.7	428.32	911.9	654.5	.0000	.0000	.0352	.9961	.9922
15400.0	-.0716	-.6527	545.9	428.33	911.9	654.5	.0000	.0000	.0354	.9961	.9923
15300.0	-.0701	-.6451	546.1	428.34	911.9	654.6	.0000	.0000	.0357	.9961	.9923
15200.0	-.0685	-.6376	546.2	428.35	911.9	654.7	.0000	.0000	.0359	.9962	.9924
15100.0	-.0670	-.6303	546.4	428.36	911.9	654.7	.0000	.0000	.0362	.9962	.9924
15000.0	-.0656	-.6231	546.5	428.37	911.9	654.7	.0000	.0000	.0364	.9963	.9925
14900.0	-.0642	-.6160	546.7	428.39	911.9	654.8	.0000	.0000	.0367	.9962	.9925
14800.0	-.0628	-.6090	546.8	428.40	911.8	654.8	.0000	.0000	.0369	.9963	.9926
14700.0	-.0614	-.6022	547.0	428.41	911.8	654.9	.0000	.0000	.0372	.9963	.9926
14600.0	-.0601	-.5954	547.1	428.42	911.8	654.9	.0000	.0000	.0375	.9963	.9927
14500.0	-.0588	-.5887	547.3	428.43	911.8	655.0	.0000	.0000	.0377	.9963	.9927
14400.0	-.0574	-.5822	547.5	428.44	911.8	655.0	.0000	.0000	.0380	.9964	.9928
14300.0	-.0563	-.5757	547.6	428.45	911.8	655.1	.0000	.0000	.0383	.9964	.9928
14200.0	-.0551	-.5693	547.8	428.46	911.8	655.1	.0000	.0000	.0386	.9964	.9929
14100.0	-.0539	-.5631	547.9	428.47	911.8	655.2	.0000	.0000	.0389	.9964	.9929
14000.0	-.0528	-.5569	548.1	428.48	911.7	655.2	.0000	.0000	.0391	.9965	.9930
13900.0	-.0516	-.5508	548.3	428.50	911.7	655.3	.0000	.0000	.0394	.9965	.9930
13800.0	-.0505	-.5447	548.4	428.51	911.7	655.3	.0000	.0000	.0397	.9965	.9931
13700.0	-.0494	-.5388	548.6	428.52	911.7	655.4	.0000	.0000	.0400	.9966	.9931
13600.0	-.0484	-.5329	548.7	428.53	911.7	655.4	.0000	.0000	.0403	.9966	.9932
13500.0	-.0474	-.5271	548.9	428.54	911.7	655.5	.0000	.0000	.0407	.9966	.9932
13400.0	-.0463	-.5214	549.0	428.55	911.7	655.5	.0000	.0000	.0410	.9966	.9933
13300.0	-.0454	-.5157	549.2	428.56	911.7	655.5	.0000	.0000	.0413	.9967	.9933
13200.0	-.0444	-.5102	549.3	428.57	911.7	655.6	.0000	.0000	.0416	.9967	.9934
13100.0	-.0434	-.5047	549.5	428.58	911.7	655.7	.0000	.0000	.0419	.9967	.9934
13000.0	-.0425	-.4992	549.7	428.59	911.6	655.7	.0000	.0000	.0423	.9967	.9935
12900.0	-.0416	-.4938	549.8	428.60	911.6	655.7	.0000	.0000	.0426	.9968	.9935
12800.0	-.0407	-.4885	550.0	428.62	911.6	655.8	.0000	.0000	.0430	.9968	.9936
12700.0	-.0398	-.4832	550.1	428.63	911.6	655.8	.0000	.0000	.0433	.9968	.9936
12600.0	-.0390	-.4780	550.3	428.64	911.6	655.9	.0000	.0000	.0437	.9969	.9937
12500.0	-.0381	-.4729	550.4	428.65	911.6	655.9	.0000	.0000	.0440	.9969	.9937
12400.0	-.0373	-.4678	550.6	428.66	911.6	656.0	.0000	.0000	.0444	.9969	.9938
12300.0	-.0365	-.4628	550.7	428.67	911.6	656.0	.0000	.0000	.0448	.9969	.9938
12200.0	-.0357	-.4578	550.9	428.68	911.6	656.1	.0000	.0000	.0452	.9969	.9939
12100.0	-.0350	-.4529	551.1	428.69	911.5	656.1	.0000	.0000	.0455	.9970	.9940

TABLE 1. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 430 K)

PO KPA	XO	AO	P* KPA	T* K	D* KG/M3	H* KJ/KG	X*	A*	PR	TR	ZR
12000.0	-.0342	-.4480	551.2	428.70	911.5	656.2	.0000	.0000	.0459	.9970	.9940
11900.0	-.0335	-.4432	551.4	428.72	911.5	656.2	.0000	.0000	.0463	.9970	.9941
11800.0	-.0327	-.4384	551.6	428.73	911.5	656.3	.0000	.0000	.0467	.9970	.9941
11700.0	-.0320	-.4336	551.7	428.74	911.5	656.3	.0000	.0000	.0472	.9971	.9942
11600.0	-.0313	-.4291	551.9	428.75	911.5	656.4	.0000	.0000	.0476	.9971	.9942
11500.0	-.0306	-.4243	552.0	428.76	911.5	656.4	.0000	.0000	.0480	.9971	.9943
11400.0	-.0300	-.4197	552.2	428.77	911.5	656.5	.0000	.0000	.0484	.9971	.9943
11300.0	-.0293	-.4151	552.4	428.78	911.5	656.5	.0000	.0000	.0489	.9972	.9944
11200.0	-.0286	-.4106	552.5	428.79	911.5	656.6	.0000	.0000	.0493	.9972	.9944
11100.0	-.0280	-.4063	552.7	428.80	911.4	656.6	.0000	.0000	.0498	.9972	.9945
11000.0	-.0274	-.4017	552.8	428.81	911.4	656.7	.0000	.0000	.0503	.9972	.9945
10900.0	-.0268	-.3973	553.0	428.83	911.4	656.7	.0000	.0000	.0507	.9973	.9946
10800.0	-.0262	-.3930	553.2	428.84	911.4	656.8	.0000	.0000	.0512	.9973	.9946
10700.0	-.0256	-.3888	553.3	428.85	911.4	656.8	.0000	.0000	.0517	.9973	.9947
10600.0	-.0250	-.3843	553.5	428.86	911.4	656.8	.0000	.0000	.0522	.9973	.9947
10500.0	-.0244	-.3801	553.6	428.87	911.4	656.9	.0000	.0000	.0527	.9974	.9948
10400.0	-.0239	-.3759	553.8	428.88	911.4	656.9	.0000	.0000	.0532	.9974	.9948
10300.0	-.0233	-.3717	554.0	428.89	911.4	657.0	.0000	.0000	.0538	.9974	.9949
10200.0	-.0228	-.3675	554.1	428.90	911.3	657.0	.0000	.0000	.0543	.9975	.9949
10100.0	-.0223	-.3634	554.3	428.92	911.3	657.1	.0000	.0000	.0549	.9975	.9950
10000.0	-.0217	-.3593	554.4	428.93	911.3	657.1	.0000	.0000	.0554	.9975	.9950
9900.0	-.0212	-.3553	554.6	428.94	911.3	657.2	.0000	.0000	.0560	.9975	.9951
9800.0	-.0207	-.3512	554.8	428.95	911.3	657.2	.0000	.0000	.0566	.9976	.9951
9700.0	-.0202	-.3472	554.9	428.96	911.3	657.3	.0000	.0000	.0572	.9976	.9952
9600.0	-.0198	-.3432	555.1	428.97	911.3	657.3	.0000	.0000	.0578	.9976	.9952
9500.0	-.0193	-.3393	555.2	428.98	911.3	657.4	.0000	.0000	.0584	.9976	.9953
9400.0	-.0188	-.3353	555.4	428.99	911.3	657.4	.0000	.0000	.0591	.9977	.9953
9300.0	-.0184	-.3315	555.6	429.00	911.2	657.5	.0000	.0000	.0597	.9977	.9954
9200.0	-.0179	-.3276	555.7	429.02	911.2	657.5	.0000	.0000	.0604	.9977	.9954
9100.0	-.0175	-.3237	555.9	429.03	911.2	657.6	.0000	.0000	.0611	.9977	.9955
9000.0	-.0171	-.3199	556.0	429.04	911.2	657.6	.0000	.0000	.0618	.9978	.9955
8900.0	-.0166	-.3161	556.2	429.05	911.2	657.7	.0000	.0000	.0625	.9978	.9956
8800.0	-.0162	-.3123	556.4	429.06	911.2	657.7	.0000	.0000	.0632	.9978	.9956
8700.0	-.0158	-.3085	556.5	429.07	911.2	657.8	.0000	.0000	.0640	.9978	.9957
8600.0	-.0154	-.3048	556.7	429.08	911.2	657.8	.0000	.0000	.0647	.9979	.9957
8500.0	-.0150	-.3011	556.9	429.09	911.2	657.9	.0000	.0000	.0655	.9979	.9958
8400.0	-.0146	-.2974	557.0	429.11	911.2	657.9	.0000	.0000	.0663	.9979	.9958
8300.0	-.0142	-.2939	557.2	429.12	911.1	658.0	.0000	.0000	.0671	.9979	.9959
8200.0	-.0138	-.2901	557.3	429.13	911.1	658.0	.0000	.0000	.0680	.9980	.9959
8100.0	-.0134	-.2866	557.5	429.14	911.1	658.1	.0000	.0000	.0688	.9980	.9960
8000.0	-.0131	-.2829	557.7	429.15	911.1	658.1	.0000	.0000	.0697	.9980	.9961
7900.0	-.0127	-.2792	557.8	429.16	911.1	658.2	.0000	.0000	.0706	.9981	.9961
7800.0	-.0124	-.2757	558.0	429.17	911.1	658.2	.0000	.0000	.0715	.9981	.9962
7700.0	-.0121	-.2721	558.2	429.18	911.1	658.3	.0000	.0000	.0725	.9981	.9962
7600.0	-.0118	-.2685	558.3	429.20	911.1	658.3	.0000	.0000	.0735	.9981	.9963
7500.0	-.0114	-.2650	558.5	429.21	911.1	658.4	.0000	.0000	.0745	.9982	.9963
7400.0	-.0111	-.2615	558.6	429.22	911.0	658.4	.0000	.0000	.0755	.9982	.9964
7300.0	-.0108	-.2580	558.8	429.23	911.0	658.5	.0000	.0000	.0765	.9982	.9964
7200.0	-.0105	-.2545	559.0	429.24	911.0	658.5	.0000	.0000	.0776	.9983	.9965
7100.0	-.0102	-.2510	559.1	429.25	911.0	658.5	.0000	.0000	.0788	.9983	.9965
7000.0	-.0099	-.2475	559.3	429.26	911.0	658.6	.0000	.0000	.0799	.9983	.9966
6900.0	-.0096	-.2440	559.4	429.27	911.0	658.6	.0000	.0000	.0811	.9983	.9966
6800.0	-.0093	-.2406	559.6	429.29	911.0	658.7	.0000	.0000	.0823	.9983	.9967
6700.0	-.0090	-.2372	559.8	429.30	911.0	658.7	.0000	.0000	.0836	.9984	.9967
6600.0	-.0087	-.2337	560.0	429.31	911.0	658.8	.0000	.0000	.0848	.9984	.9968
6500.0	-.0085	-.2303	560.1	429.32	910.9	658.8	.0000	.0000	.0862	.9984	.9968
6400.0	-.0082	-.2269	560.3	429.33	910.9	658.9	.0000	.0000	.0875	.9984	.9969
6300.0	-.0080	-.2236	560.5	429.34	910.9	658.9	.0000	.0000	.0890	.9985	.9969
6200.0	-.0077	-.2203	560.6	429.35	910.9	659.0	.0000	.0000	.0904	.9985	.9970
6100.0	-.0074	-.2169	560.8	429.36	910.9	659.0	.0000	.0000	.0919	.9985	.9970
6000.0	-.0072	-.2133	561.0	429.38	910.9	659.1	.0000	.0000	.0935	.9985	.9971
5900.0	-.0070	-.2100	561.1	429.39	910.9	659.1	.0000	.0000	.0951	.9986	.9971
5800.0	-.0067	-.2066	561.3	429.40	910.9	659.2	.0000	.0000	.0968	.9986	.9972
5700.0	-.0065	-.2032	561.4	429.41	910.9	659.2	.0000	.0000	.0985	.9986	.9972
5600.0	-.0063	-.1999	561.6	429.42	910.9	659.3	.0000	.0000	.1003	.9987	.9973
5500.0	-.0060	-.1965	561.8	429.43	910.8	659.3	.0000	.0000	.1021	.9987	.9974
5400.0	-.0058	-.1932	561.9	429.44	910.8	659.4	.0000	.0000	.1041	.9987	.9974
5300.0	-.0056	-.1898	562.1	429.46	910.8	659.4	.0000	.0000	.1061	.9987	.9975
5200.0	-.0054	-.1865	562.3	429.47	910.8	659.5	.0000	.0000	.1081	.9988	.9975
5100.0	-.0052	-.1831	562.4	429.48	910.8	659.5	.0000	.0000	.1103	.9988	.9976
5000.0	-.0050	-.1798	562.6	429.49	910.8	659.6	.0000	.0000	.1125	.9988	.9976
4900.0	-.0048	-.1764	562.8	429.50	910.8	659.6	.0000	.0000	.1149	.9989	.9977
4800.0	-.0046	-.1730	562.9	429.51	910.8	659.7	.0000	.0000	.1173	.9989	.9977
4700.0	-.0044	-.1697	563.1	429.53	910.8	659.7	.0000	.0000	.1198	.9989	.9978
4600.0	-.0042	-.1663	563.3	429.54	910.7	659.8	.0000	.0000	.1225	.9990	.9978
4500.0	-.0041	-.1630	563.4	429.55	910.7	659.8	.0000	.0000	.1252	.9990	.9979
4400.0	-.0039	-.1596	563.6	429.56	910.7	659.9	.0000	.0000	.1281	.9990	.9979
4300.0	-.0037	-.1562	563.8	429.57	910.7	659.9	.0000	.0000	.1311	.9990	.9980
4200.0	-.0035	-.1529	563.9	429.59	910.7	660.0	.0000	.0000	.1343	.9990	.9980
4100.0	-.0034	-.1494	564.1	429.60	910.7	660.0	.0000	.0000	.1376	.9991	.9981
4000.0	-.0032	-.1460	564.3	429.60	910.7	660.1	.0000	.0000	.1411	.9991	.9982
3900.0	-.0031	-.1425	564.4	429.62	910.7	660.1	.0000	.0000	.1447	.9991	.9982
3800.0	-.0029	-.1392	564.6	429.63	910.7	660.2	.0000	.0000	.1485	.9992	.9983
3700.0	-.0028	-.1357	564.8	429.64	910.6	660.2	.0000	.0000	.1524	.9992	.9983
3600.0	-.0026	-.1322	564.9	429.65	910.6	660.3	.0000	.0000	.1569	.9992	.9984
3500.0	-.0025	-.1288	565.1	429.66	910.6	660.3	.0000	.0000	.1615	.9993	.9984
3400.0	-.0023	-.1253	565.3	429.67	910.6	660.4	.0000	.0000	.1663	.9993	.9985
3300.0	-.0022	-.1217	565.4	429.68	910.6	660.4	.0000	.0000	.1713	.9993	.9985
3200.0	-.0020	-.1181	565.6	429.70	910.6	660.5	.0000	.0000	.1768	.9993	.9986
3100.0	-.0019	-.1146	565.8	429.71	910.6	660.5	.0000	.0000	.1825	.9993	.9986
3000.0	-.0018	-.1110	565.9	429.72	910.5	660.6	.0000	.0000	.1887	.9993	.9987
2900.0	-.0017	-.1074	566.1	429.73	910.5	660.6	.0000	.0000	.1952	.9994	.9987
2800.0	-.0016	-.1039	566.3	429.74	910.5	660.7	.0000	.0000	.2029	.9994	.9988
2700.0	-.0014	-.1001	566.5	429.75	910.5	660.7	.0000	.0000	.2094	.9994	.9988
2600.0	-.0014	-.0963	566.6	429.76	910.5	660.8	.0000	.0000	.2179	.9994	.9989
2530.0	-.0013	-.0934	566.8	429.77	910.5	660.8	.0000	.0000	.2267	.9995	.9989
2430.0	-.0012	-.0894	567.0	429.79	910.5	660.9	.0000	.0000	.2382	.9995	.9990
2330.0	-.0011	-.0848	567.1	429.80	910.5	660.9	.0000	.0000	.2486	.9995	.9991
2230.0	-.0010	-.0812	567.3	429.81	910.5	661.0	.0000	.0000	.2629	.9996	.9991
2130.0	-.0009	-.0770	567.5	429.82	910.5	661.0	.0000	.0000	.2787	.9996	.9992

TABLE ', SUBCOOLED CRITICAL STATE PROPERTIES

(TO 430 K)

PO KPA	XO	AO	P* KPA	T* K	D* KG/M3	H* KJ/KG	X*	Y*	PP	TP	DP
2000.0	-.0008	-.0729	567.6	429.43	910.5	661.1	.0000	.0003	.2838	.9996	.9997
1900.0	-.0007	-.0688	567.9	429.45	910.4	661.1	.0000	.0000	.2989	.9996	.9993
1800.0	-.0006	-.0646	568.0	429.46	910.4	661.2	.0000	.0000	.3155	.9997	.9993
1700.0	-.0006	-.0603	568.3	429.47	910.4	661.2	.0000	.0000	.3342	.9997	.9994
1600.0	-.0005	-.0559	568.3	429.48	910.4	661.3	.0000	.0000	.3552	.9997	.9994
1500.0	-.0004	-.0515	568.5	429.49	910.4	661.3	.0000	.0000	.3790	.9997	.9995
1400.0	-.0004	-.0468	568.7	429.50	910.4	661.4	.0000	.0000	.4062	.9998	.9996
1300.0	-.0003	-.0421	568.8	429.51	910.4	661.4	.0000	.0000	.4374	.9998	.9996
1200.0	-.0002	-.0371	569.0	429.53	910.4	661.5	.0000	.0000	.4742	.9998	.9997
1100.0	-.0002	-.0320	569.2	429.54	910.4	661.5	.0000	.0000	.5174	.9999	.9997
1000.0	-.0002	-.0267	569.4	429.55	910.3	661.6	.0000	.0000	.5694	.9999	.9998
900.0	-.0001	-.0211	569.5	429.56	910.3	661.6	.0000	.0000	.6328	.9999	.9998
800.0	-.0001	-.0154	569.7	429.57	910.3	661.7	.0000	.0000	.7131	.9999	.9999
700.0	-.0000	-.0089	569.9	429.58	910.3	661.7	.0000	.0000	.8141	1.0000	.9999
600.0	-.0000	-.0071	447.9	420.89	484.9	627.8	.0026	.4953	.7448	.9748	.5107

TABLE . SUBCOOLED CRITICAL STATE PROPERTIES

(TO 440 K)

PO KPA	XO	AO	PS KPA	TS K	OS KG/M3	HS KJ/KG	XS	AS	PR	TR	ZR
22150.0	*******	********	688.3	437.43	903.0	694.1	.0000	.0000	.0311	.9942	.9887
22100.0	-4.0475	-12.5959	688.3	437.43	903.0	694.1	.0000	.0000	.0311	.9942	.9887
22000.0	-1.4922	-5.6807	688.5	437.44	903.0	694.2	.0000	.0000	.0313	.9942	.9887
21900.0	-1.0442	-3.8061	688.7	437.45	903.0	694.2	.0000	.0000	.0314	.9942	.9888
21800.0	-.8507	-3.1968	688.9	437.46	903.0	694.3	.0000	.0000	.0316	.9942	.9888
21700.0	-.7351	-2.8214	689.1	437.47	903.0	694.3	.0000	.0000	.0318	.9943	.9889
21600.0	-.6581	-2.5590	689.3	437.49	903.0	694.4	.0000	.0000	.0319	.9943	.9889
21500.0	-.5737	-2.3614	689.5	437.50	903.0	694.4	.0000	.0000	.0321	.9943	.9890
21400.0	-.5224	-2.2082	689.7	437.51	903.0	694.5	.0000	.0000	.0322	.9943	.9890
21300.0	-.4811	-2.0795	689.9	437.52	903.0	694.5	.0000	.0000	.0324	.9944	.9891
21200.0	-.4468	-1.9698	690.1	437.53	902.9	694.6	.0000	.0000	.0325	.9944	.9891
21100.0	-.4173	-1.8775	690.3	437.54	902.9	694.6	.0000	.0000	.0327	.9944	.9892
21000.0	-.3919	-1.7971	690.5	437.55	902.9	694.7	.0000	.0000	.0329	.9944	.9892
20900.0	-.3697	-1.7258	690.7	437.57	902.9	694.7	.0000	.0000	.0330	.9945	.9893
20800.0	-.3499	-1.6623	690.9	437.58	902.9	694.8	.0000	.0000	.0332	.9945	.9893
20700.0	-.3323	-1.6050	691.1	437.59	902.9	694.8	.0000	.0000	.0334	.9945	.9894
20600.0	-.3163	-1.5528	691.3	437.60	902.9	694.9	.0000	.0000	.0336	.9945	.9894
20500.0	-.3018	-1.5050	691.5	437.61	902.9	694.9	.0000	.0000	.0337	.9946	.9895
20400.0	-.2886	-1.4610	691.7	437.63	902.9	695.0	.0000	.0000	.0339	.9946	.9895
20300.0	-.2764	-1.4202	691.9	437.64	902.8	695.0	.0000	.0000	.0341	.9946	.9896
20200.0	-.2652	-1.3822	692.1	437.65	902.8	695.1	.0000	.0000	.0343	.9947	.9896
20100.0	-.2547	-1.3469	692.3	437.66	902.8	695.1	.0000	.0000	.0344	.9947	.9897
20000.0	-.2450	-1.3135	692.5	437.67	902.8	695.2	.0000	.0000	.0346	.9947	.9897
19900.0	-.2358	-1.2821	692.7	437.68	902.8	695.2	.0000	.0000	.0348	.9947	.9898
19800.0	-.2274	-1.2526	692.9	437.69	902.8	695.3	.0000	.0000	.0350	.9948	.9898
19700.0	-.2195	-1.2245	693.1	437.70	902.8	695.3	.0000	.0001	.0352	.9948	.9899
19600.0	-.2119	-1.1979	693.3	437.72	902.8	695.4	.0000	.0000	.0354	.9948	.9899
19500.0	-.2048	-1.1726	693.5	437.73	902.7	695.4	.0000	.0000	.0356	.9948	.9900
19400.0	-.1981	-1.1485	693.7	437.74	902.7	695.5	.0000	.0000	.0358	.9949	.9900
19300.0	-.1918	-1.1255	693.9	437.75	902.7	695.5	.0000	.0000	.0360	.9949	.9901
19200.0	-.1857	-1.1035	694.1	437.76	902.7	695.6	.0000	.0000	.0361	.9949	.9901
19100.0	-.1800	-1.0824	694.3	437.77	902.7	695.6	.0000	.0000	.0363	.9949	.9902
19000.0	-.1745	-1.0621	694.5	437.78	902.7	695.7	.0000	.0000	.0365	.9950	.9902
18900.0	-.1693	-1.0425	694.7	437.80	902.7	695.7	.0000	.0000	.0368	.9950	.9903
18800.0	-.1643	-1.0236	694.9	437.81	902.7	695.8	.0000	.0000	.0370	.9950	.9903
18700.0	-.1594	-1.0054	695.1	437.82	902.7	695.8	.0000	.0000	.0372	.9950	.9904
18600.0	-.1548	-.9878	695.3	437.83	902.6	695.9	.0000	.0000	.0374	.9951	.9904
18500.0	-.1501	-.9707	695.5	437.84	902.6	695.9	.0000	.0000	.0376	.9951	.9905
18400.0	-.1456	-.9541	695.7	437.85	902.6	696.0	.0000	.0000	.0378	.9951	.9905
18300.0	-.1412	-.9380	695.9	437.87	902.6	696.0	.0000	.0000	.0380	.9952	.9906
18200.0	-.1369	-.9223	696.1	437.88	902.6	696.1	.0000	.0000	.0382	.9952	.9906
18100.0	-.1328	-.9070	696.3	437.89	902.6	696.1	.0000	.0000	.0384	.9952	.9907
18000.0	-.1288	-.8923	696.5	437.90	902.6	696.2	.0000	.0000	.0387	.9952	.9907
17900.0	-.1249	-.8779	696.7	437.91	902.6	696.2	.0000	.0000	.0389	.9953	.9908
17800.0	-.1211	-.8640	696.9	437.93	902.6	696.3	.0000	.0000	.0392	.9953	.9908
17700.0	-.1174	-.8504	697.1	437.94	902.5	696.3	.0000	.0000	.0394	.9953	.9909
17600.0	-.1138	-.8374	697.3	437.95	902.5	696.4	.0000	.0000	.0396	.9953	.9909
17500.0	-.1103	-.8246	697.5	437.96	902.5	696.4	.0000	.0000	.0399	.9954	.9910
17400.0	-.1068	-.8123	697.7	437.97	902.5	696.5	.0000	.0000	.0401	.9954	.9910
17300.0	-.1035	-.8003	697.9	437.98	902.5	696.5	.0000	.0000	.0403	.9954	.9911
17200.0	-.1002	-.7885	698.1	438.00	902.5	696.6	.0000	.0000	.0405	.9954	.9911
17100.0	-.0970	-.7770	698.3	438.01	902.5	696.6	.0000	.0000	.0408	.9955	.9912
17000.0	-.0939	-.7660	698.5	438.02	902.5	696.7	.0000	.0000	.0411	.9955	.9912
16900.0	-.0907	-.7548	698.7	438.03	902.4	696.7	.0000	.0000	.0413	.9955	.9913
16800.0	-.0876	-.7443	698.9	438.04	902.4	696.8	.0000	.0000	.0416	.9956	.9913
16700.0	-.0846	-.7340	699.1	438.05	902.4	696.8	.0000	.0000	.0419	.9956	.9914
16600.0	-.0816	-.7240	699.3	438.07	902.4	696.9	.0000	.0000	.0421	.9956	.9914
16500.0	-.0787	-.7142	699.5	438.08	902.4	696.9	.0000	.0000	.0424	.9956	.9915
16400.0	-.0758	-.7046	699.7	438.09	902.4	697.0	.0000	.0000	.0427	.9957	.9915
16300.0	-.0730	-.6954	699.9	438.10	902.4	697.0	.0000	.0000	.0430	.9957	.9916
16200.0	-.0702	-.6864	700.1	438.11	902.4	697.1	.0000	.0000	.0432	.9957	.9916
16100.0	-.0675	-.6776	700.3	438.13	902.4	697.1	.0000	.0000	.0435	.9957	.9917
16000.0	-.0648	-.6691	700.5	438.14	902.3	697.2	.0000	.0000	.0438	.9958	.9918
15900.0	-.0621	-.6608	700.7	438.15	902.3	697.2	.0000	.0000	.0441	.9958	.9918
15800.0	-.0596	-.6528	700.9	438.16	902.3	697.3	.0000	.0000	.0444	.9958	.9919
15700.0	-.0570	-.6449	701.1	438.17	902.3	697.4	.0000	.0000	.0447	.9958	.9919
15600.0	-.0545	-.6373	701.4	438.18	902.3	697.4	.0000	.0000	.0450	.9959	.9920
15500.0	-.0519	-.6298	701.6	438.20	902.3	697.5	.0000	.0000	.0453	.9959	.9920
15400.0	-.0494	-.6225	701.8	438.21	902.3	697.5	.0000	.0000	.0456	.9959	.9921
15300.0	-.0470	-.6154	702.0	438.22	902.3	697.6	.0000	.0000	.0459	.9960	.9921
15200.0	-.0445	-.6085	702.2	438.23	902.2	697.6	.0000	.0000	.0462	.9960	.9922
15100.0	-.0421	-.6018	702.4	438.24	902.2	697.7	.0000	.0000	.0465	.9960	.9922
15000.0	-.0397	-.5952	702.6	438.26	902.2	697.7	.0000	.0000	.0468	.9960	.9923
14900.0	-.0373	-.5888	702.8	438.27	902.2	697.8	.0000	.0000	.0472	.9961	.9923
14800.0	-.0350	-.5826	703.0	438.28	902.2	697.8	.0000	.0000	.0475	.9961	.9924
14700.0	-.0326	-.5765	703.2	438.29	902.2	697.9	.0000	.0000	.0478	.9961	.9924
14600.0	-.0303	-.5706	703.4	438.30	902.2	697.9	.0000	.0000	.0482	.9961	.9925
14500.0	-.0280	-.5649	703.6	438.31	902.2	698.0	.0000	.0000	.0485	.9962	.9925
14400.0	-.0257	-.5593	703.8	438.33	902.2	698.0	.0000	.0000	.0489	.9962	.9926
14300.0	-.0234	-.5538	704.0	438.34	902.1	698.1	.0000	.0000	.0492	.9962	.9926
14200.0	-.0212	-.5484	704.2	438.35	902.1	698.1	.0000	.0000	.0496	.9962	.9927
14100.0	-.0189	-.5432	704.5	438.36	902.1	698.2	.0000	.0000	.0500	.9963	.9927
14000.0	-.0167	-.5380	704.7	438.37	902.1	698.2	.0000	.0000	.0503	.9963	.9928
13900.0	-.0145	-.5330	704.9	438.39	902.1	698.3	.0000	.0000	.0507	.9963	.9928
13800.0	-.0124	-.5280	705.1	438.40	902.1	698.3	.0000	.0000	.0511	.9964	.9929
13700.0	-.0102	-.5231	705.3	438.41	902.1	698.4	.0000	.0000	.0515	.9964	.9929
13600.0	-.0081	-.5184	705.5	438.42	902.1	698.4	.0000	.0000	.0519	.9964	.9930
13500.0	-.0060	-.5137	705.7	438.43	902.0	698.5	.0000	.0000	.0523	.9964	.9930
13400.0	-.0039	-.5091	705.9	438.45	902.0	698.5	.0000	.0000	.0527	.9965	.9931
13300.0	-.0018	-.5046	706.1	438.46	902.0	698.6	.0000	.0000	.0531	.9965	.9931
13200.0	.0003	-.4910	706.3	438.47	902.0	698.6	.0000	.0000	.0535	.9965	.9932
13100.0	.0024	-.4875	706.5	438.49	901.9	698.7	.0000	.0000	.0539	.9965	.9932
13000.0	.0045	-.4832	706.7	438.50	902.0	698.7	.0000	.0000	.0544	.9966	.9933
12900.0	.0065	-.4789	707.0	438.52	901.9	698.8	.0000	.0000	.0548	.9966	.9934
12800.0	.0086	-.4746	707.2	438.53	901.9	698.9	.0000	.0000	.0553	.9966	.9934
12700.0	.0106	-.4704	707.4	438.54	901.9	698.9	.0000	.0000	.0557	.9967	.9935
12600.0	.0127	-.4663	707.6	438.55	901.9	699.0	.0000	.0000	.0562	.9967	.9935
12500.0	.0147	-.4622	707.8	438.56	901.9	699.0	.0000	.0000	.0566	.9967	.9936
12400.0	.0167	-.4582	708.0	438.58	901.9	699.1	.0000	.0000	.0571	.9967	.9936
12300.0	.0188	-.4542	708.2	438.59	901.9	699.1	.0000	.0000	.0576	.9968	.9937
12200.0	.0208	-.4503	708.4	438.60	901.9	699.2	.0000	.0000	.0581	.9968	.9937
12100.0	.0228	-.4464	708.6	438.61	901.9	699.2	.0000	.0000	.0586	.9968	.9938

TABLE 2. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 440 K)

P0 KPA	XO	HO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	H*	R0	T0	H0
12000.0	-.0333	-.4316	709.5	438.61	901.9	699.3	.0000	.0000	.0591	.9948	.9938
11900.0	-.0328	-.4260	709.5	438.63	901.9	699.3	.0000	.0000	.0584	.9948	.9939
11800.0	-.0319	-.4171	709.4	438.64	901.8	699.4	.0000	.0000	.0571	.9949	.9939
11700.0	-.0314	-.4124	709.5	438.65	901.8	699.4	.0000	.0000	.0565	.9949	.9940
11600.0	-.0305	-.4029	709.7	438.66	901.8	699.5	.0000	.0000	.0552	.9950	.9940
11500.0	-.0298	-.4001	709.8	438.67	901.8	699.5	.0000	.0000	.0547	.9950	.9941
11400.0	-.0291	-.4037	710.1	438.68	901.8	699.5	.0000	.0000	.0523	.9950	.9942
11300.0	-.0285	-.3902	710.3	438.70	901.9	699.6	.0000	.0000	.0579	.9950	.9942
11200.0	-.0278	-.3948	710.5	438.71	901.9	699.7	.0000	.0000	.0534	.9951	.9943
11100.0	-.0272	-.3903	710.7	438.72	901.8	699.7	.0000	.0000	.0440	.9951	.9943
11000.0	-.0266	-.3860	710.9	438.73	901.7	699.8	.0000	.0000	.0545	.9951	.9944
10900.0	-.0260	-.3815	711.1	438.74	901.7	699.8	.0000	.0000	.0557	.9951	.9944
10800.0	-.0254	-.3771	711.2	438.75	901.7	699.9	.0000	.0000	.0569	.9952	.9945
10700.0	-.0248	-.3730	711.4	438.77	901.7	700.0	.0000	.0000	.0579	.9952	.9945
10600.0	-.0242	-.3688	711.5	438.78	901.7	700.0	.0000	.0000	.0577	.9952	.9946
10500.0	-.0237	-.3646	712.0	438.79	901.7	700.1	.0000	.0000	.0670	.9953	.9946
10400.0	-.0231	-.3604	712.1	438.80	901.7	700.2	.0000	.0000	.0682	.9953	.9947
10300.0	-.0226	-.3563	712.3	438.82	901.7	700.3	.0000	.0000	.0692	.9953	.9947
10200.0	-.0221	-.3522	712.5	438.83	901.7	700.3	.0000	.0000	.0699	.9953	.9948
10100.0	-.0216	-.3481	712.9	438.84	901.6	700.3	.0000	.0000	.0706	.9954	.9948
10000.0	-.0210	-.3441	713.1	438.85	901.6	700.3	.0000	.0000	.0713	.9954	.9949
9900.0	-.0205	-.3401	713.3	438.87	901.6	700.4	.0000	.0000	.0720	.9954	.9949
9800.0	-.0201	-.3362	713.5	438.88	901.6	700.4	.0000	.0000	.0724	.9954	.9950
9700.0	-.0196	-.3321	713.7	438.89	901.6	700.5	.0000	.0000	.0734	.9954	.9951
9600.0	-.0191	-.3282	713.9	438.90	901.6	700.5	.0000	.0000	.0744	.9955	.9951
9500.0	-.0186	-.3243	714.1	438.91	901.6	700.6	.0000	.0000	.0752	.9955	.9952
9400.0	-.0183	-.3204	714.4	438.93	901.6	700.6	.0000	.0000	.0760	.9956	.9952
9300.0	-.0177	-.3166	714.6	438.94	901.6	700.7	.0000	.0000	.0768	.9956	.9953
9200.0	-.0173	-.3129	714.8	438.95	901.5	700.7	.0000	.0000	.0777	.9956	.9953
9100.0	-.0169	-.3090	715.0	438.96	901.5	700.8	.0000	.0000	.0786	.9956	.9954
9000.0	-.0164	-.3052	715.2	438.97	901.5	700.9	.0000	.0000	.0795	.9957	.9954
8900.0	-.0160	-.3014	715.4	438.99	901.5	700.9	.0000	.0000	.0804	.9957	.9955
8800.0	-.0156	-.2977	715.6	439.00	901.5	701.0	.0000	.0000	.0813	.9957	.9955
8700.0	-.0152	-.2940	715.9	439.01	901.5	701.0	.0000	.0000	.0823	.9958	.9956
8600.0	-.0148	-.2903	716.1	439.02	901.5	701.1	.0000	.0000	.0833	.9958	.9956
8500.0	-.0144	-.2866	716.3	439.04	901.4	701.1	.0000	.0000	.0843	.9959	.9957
8400.0	-.0141	-.2830	716.5	439.05	901.4	701.2	.0000	.0000	.0853	.9959	.9958
8300.0	-.0137	-.2794	716.7	439.06	901.4	701.2	.0000	.0000	.0864	.9959	.9958
8200.0	-.0133	-.2758	716.9	439.07	901.4	701.3	.0000	.0000	.0874	.9959	.9959
8100.0	-.0130	-.2722	717.2	439.08	901.4	701.3	.0000	.0000	.0885	.9960	.9959
8000.0	-.0126	-.2686	717.4	439.10	901.4	701.4	.0000	.0000	.0897	.9979	.9960
7900.0	-.0123	-.2650	717.6	439.11	901.4	701.4	.0000	.0000	.0908	.9980	.9960
7800.0	-.0119	-.2615	717.8	439.12	901.4	701.5	.0000	.0000	.0920	.9980	.9961
7700.0	-.0116	-.2580	718.0	439.13	901.3	701.5	.0000	.0000	.0932	.9980	.9961
7600.0	-.0113	-.2545	718.2	439.14	901.3	701.6	.0000	.0000	.0944	.9981	.9962
7500.0	-.0110	-.2510	718.4	439.15	901.3	701.7	.0000	.0000	.0958	.9981	.9962
7400.0	-.0106	-.2476	718.7	439.17	901.3	701.7	.0000	.0000	.0971	.9981	.9963
7300.0	-.0103	-.2440	718.9	439.18	901.3	701.8	.0000	.0000	.0984	.9981	.9964
7200.0	-.0100	-.2405	719.1	439.19	901.3	701.8	.0000	.0000	.0999	.9982	.9964
7100.0	-.0097	-.2371	719.3	439.21	901.3	701.9	.0000	.0000	.1013	.9982	.9965
7000.0	-.0094	-.2337	719.5	439.22	901.3	701.9	.0000	.0000	.1029	.9982	.9965
6900.0	-.0092	-.2303	719.8	439.23	901.3	702.0	.0000	.0000	.1043	.9983	.9966
6800.0	-.0089	-.2269	720.0	439.24	901.2	702.0	.0000	.0000	.1059	.9983	.9966
6700.0	-.0086	-.2235	720.2	439.26	901.2	702.1	.0000	.0000	.1075	.9983	.9967
6600.0	-.0083	-.2201	720.4	439.27	901.2	702.1	.0000	.0000	.1092	.9983	.9967
6500.0	-.0081	-.2167	720.6	439.28	901.2	702.2	.0000	.0000	.1109	.9984	.9968
6400.0	-.0078	-.2133	720.8	439.29	901.2	702.3	.0000	.0000	.1126	.9984	.9968
6300.0	-.0075	-.2100	721.1	439.31	901.2	702.3	.0000	.0000	.1145	.9984	.9969
6200.0	-.0073	-.2067	721.3	439.32	901.2	702.4	.0000	.0000	.1163	.9984	.9970
6100.0	-.0071	-.2033	721.5	439.33	901.2	702.4	.0000	.0000	.1183	.9985	.9970
6000.0	-.0068	-.1999	721.7	439.34	901.1	702.5	.0000	.0000	.1203	.9985	.9971
5900.0	-.0066	-.1966	721.9	439.35	901.1	702.5	.0000	.0000	.1224	.9985	.9971
5800.0	-.0064	-.1933	722.2	439.37	901.1	702.6	.0000	.0000	.1245	.9985	.9972
5700.0	-.0061	-.1900	722.4	439.38	901.1	702.6	.0000	.0000	.1267	.9986	.9972
5600.0	-.0059	-.1866	722.6	439.39	901.1	702.7	.0000	.0000	.1290	.9986	.9973
5500.0	-.0057	-.1833	722.8	439.40	901.1	702.7	.0000	.0000	.1314	.9986	.9973
5400.0	-.0055	-.1800	723.0	439.42	901.1	702.8	.0000	.0000	.1339	.9987	.9974
5300.0	-.0053	-.1767	723.3	439.43	901.1	702.8	.0000	.0000	.1365	.9987	.9974
5200.0	-.0051	-.1734	723.5	439.44	901.0	702.9	.0000	.0000	.1391	.9987	.9975
5100.0	-.0049	-.1701	723.7	439.45	901.0	702.9	.0000	.0000	.1419	.9988	.9976
5000.0	-.0047	-.1669	723.9	439.47	901.0	703.0	.0000	.0000	.1448	.9988	.9976
4900.0	-.0045	-.1636	724.1	439.48	901.0	703.1	.0000	.0000	.1478	.9988	.9977
4800.0	-.0043	-.1604	724.4	439.49	901.0	703.1	.0000	.0000	.1509	.9988	.9977
4700.0	-.0041	-.1571	724.6	439.50	901.0	703.2	.0000	.0000	.1542	.9989	.9978
4600.0	-.0039	-.1539	724.8	439.52	901.0	703.2	.0000	.0000	.1576	.9989	.9978
4500.0	-.0038	-.1507	725.0	439.53	900.9	703.3	.0000	.0000	.1611	.9989	.9979
4400.0	-.0036	-.1475	725.3	439.54	900.9	703.3	.0000	.0000	.1649	.9990	.9979
4300.0	-.0034	-.1443	725.5	439.55	900.9	703.4	.0000	.0000	.1687	.9990	.9980
4200.0	-.0033	-.1411	725.7	439.56	900.9	703.4	.0000	.0000	.1728	.9990	.9981
4100.0	-.0031	-.1380	725.9	439.58	900.9	703.5	.0000	.0000	.1771	.9990	.9981
4000.0	-.0030	-.1348	726.1	439.59	900.9	703.5	.0000	.0000	.1817	.9991	.9982
3900.0	-.0028	-.1317	726.4	439.60	900.9	703.6	.0000	.0000	.1862	.9991	.9982
3800.0	-.0027	-.1286	726.6	439.61	900.9	703.6	.0000	.0000	.1913	.9991	.9983
3700.0	-.0025	-.1255	726.8	439.63	900.9	703.7	.0000	.0000	.1964	.9992	.9983
3600.0	-.0024	-.1198	727.0	439.64	900.8	703.7	.0000	.0000	.2020	.9992	.9984
3500.0	-.0023	-.1169	727.3	439.65	900.8	703.8	.0000	.0000	.2078	.9992	.9984
3400.0	-.0021	-.1139	727.5	439.66	900.8	703.9	.0000	.0000	.2140	.9993	.9985
3300.0	-.0020	-.1109	727.7	439.67	900.8	703.9	.0000	.0000	.2205	.9993	.9985
3200.0	-.0019	-.1079	727.9	439.69	900.8	704.0	.0000	.0000	.2275	.9993	.9986
3100.0	-.0018	-.1049	728.2	439.70	900.8	704.0	.0000	.0000	.2349	.9993	.9987
3000.0	-.0016	-.1020	728.4	439.71	900.8	704.1	.0000	.0000	.2427	.9994	.9987
2900.0	-.0015	-.0991	728.6	439.73	900.7	704.1	.0000	.0000	.2511	.9994	.9988
2800.0	-.0014	-.0961	728.8	439.74	900.7	704.2	.0000	.0000	.2600	.9994	.9988
2700.0	-.0013	-.0932	729.1	439.75	900.7	704.3	.0000	.0000	.2695	.9995	.9989
2600.0	-.0012	-.0903	729.3	439.76	900.7	704.3	.0000	.0000	.2795	.9995	.9989
2500.0	-.0011	-.0875	729.5	439.78	900.7	704.4	.0000	.0000	.2901	.9995	.9990
2400.0	-.0010	-.0846	729.7	439.79	900.7	704.4	.0000	.0000	.3013	.9996	.9991
2300.0	-.0009	-.0817	730.0	439.80	900.7	704.5	.0000	.0000	.3131	.9996	.9991
2200.0	-.0008	-.0789	730.2	439.81	900.7	704.5	.0000	.0000	.3256	.9996	.9992
2100.0	-.0007	-.0761	730.4	439.83	900.7	704.6	.0000	.0000	.3389	.9996	.9993

TABLE 2. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 440 K)

PO KPA	XO	AO	P* KPA	T* K	D* KG/M3	H* KJ/KG	X*	A*	PP	TP	QQ
2000.0	-.0007	-.0612	730.6	439.84	900.6	704.6	.0000	.0000	.3653	.9996	.9993
1900.0	-.0006	-.0475	730.9	439.85	900.6	704.7	.0000	.0000	.3947	.9997	.9993
1800.0	-.0005	-.0330	731.1	439.87	900.6	704.7	.0000	.0000	.4262	.9997	.9994
1700.0	-.0005	-.0187	731.3	439.88	900.6	704.8	.0000	.0000	.4602	.9997	.9995
1600.0	-.0004	-.0044	731.5	439.89	900.6	704.9	.0000	.0000	.4972	.9998	.9995
1500.0	-.0003	-.0099	731.8	439.90	900.6	704.9	.0000	.0000	.5378	.9998	.9996
1400.0	-.0003	-.0254	732.0	439.92	900.6	705.0	.0000	.0000	.5828	.9998	.9996
1300.0	-.0002	-.0407	732.2	439.93	900.6	705.0	.0000	.0000	.6333	.9998	.9997
1200.0	-.0002	-.0558	732.4	439.94	900.5	705.1	.0000	.0000	.6904	.9999	.9997
1100.0	-.0001	-.0707	732.7	439.95	900.5	705.1	.0000	.0000	.7561	.9999	.9998
1000.0	-.0001	-.0855	732.9	439.97	900.5	705.2	.0000	.0000	.8329	.9999	.9998
900.0	-.0001	-.0999	733.1	439.98	900.5	705.2	.0000	.0000	.9246	1.0000	.9999
800.0	-.0000	-.1041	583.3	430.89	494.5	671.6	.5329	.4579	.7291	.9703	.5491

TABLE . SUBCOOLED CRITICAL STATE PROPERTIES

(TO 450 K)

PO KPA	XO	AO	P* KPA	T* K	P* KG/M3	H* KJ/KG	X*	A*	PR	TR	PR
22120.0	********	********	873.3	447.23	893.1	737.0	.0000	.0000	.0395	.9939	.9893
22100.0	-4.0612	-12.3822	873.4	447.24	893.1	737.1	.0000	.0000	.0395	.9939	.9893
22030.0	-1.6811	-4.9897	873.7	447.25	893.1	737.1	.0000	.0000	.0397	.9939	.9893
21900.0	-1.0477	-3.7365	873.3	447.26	893.1	737.2	.0000	.0000	.0399	.9939	.9894
21800.0	-.8438	-3.1360	874.3	447.27	893.1	737.2	.0000	.0000	.0401	.9939	.9894
21700.0	-.7147	-2.7647	874.4	447.29	893.1	737.3	.0000	.0000	.0403	.9940	.9895
21600.0	-.6329	-2.5085	874.7	447.30	893.0	737.3	.0000	.0000	.0405	.9940	.9895
21500.0	-.5678	-2.3142	874.9	447.31	893.0	737.4	.0000	.0000	.0407	.9940	.9896
21400.0	-.5173	-2.1605	875.2	447.32	893.0	737.4	.0000	.0000	.0409	.9941	.9896
21300.0	-.4768	-2.0347	875.5	447.34	893.0	737.5	.0000	.0000	.0411	.9941	.9897
21200.0	-.4421	-1.9289	875.7	447.35	893.0	737.5	.0000	.0000	.0413	.9941	.9897
21100.0	-.4120	-1.8381	876.0	447.36	893.0	737.6	.0000	.0000	.0415	.9941	.9898
21000.0	-.3857	-1.7589	876.2	447.37	893.0	737.7	.0000	.0000	.0417	.9942	.9898
20900.0	-.3657	-1.6889	876.5	447.38	892.9	737.7	.0000	.0000	.0419	.9942	.9899
20800.0	-.3441	-1.6264	876.7	447.40	892.9	737.8	.0000	.0000	.0421	.9942	.9899
20700.0	-.3255	-1.5699	877.0	447.41	892.9	737.8	.0000	.0000	.0424	.9942	.9900
20600.0	-.3127	-1.5186	877.3	447.42	892.9	737.9	.0000	.0000	.0426	.9943	.9901
20500.0	-.2983	-1.4715	877.5	447.44	892.9	737.9	.0000	.0000	.0428	.9943	.9901
20400.0	-.2857	-1.4282	877.8	447.45	892.9	738.0	.0000	.0000	.0430	.9943	.9902
20300.0	-.2731	-1.3881	878.0	447.46	892.9	738.0	.0000	.0000	.0433	.9944	.9902
20200.0	-.2619	-1.3509	878.3	447.47	892.9	738.1	.0000	.0000	.0434	.9944	.9903
20150.0	-.2416	-1.3158	878.6	447.49	892.8	738.1	.0000	.0000	.0437	.9944	.9903
20000.0	-.2419	-1.2830	878.8	447.50	892.8	738.2	.0000	.0000	.0439	.9944	.9904
19900.0	-.2329	-1.2522	879.1	447.51	892.9	738.3	.0000	.0000	.0443	.9945	.9904
19800.0	-.2244	-1.2231	879.3	447.53	892.8	738.3	.0000	.0000	.0444	.9945	.9905
19700.0	-.2164	-1.1959	879.6	447.54	892.8	738.4	.0000	.0000	.0446	.9945	.9905
19600.0	-.2091	-1.1693	879.9	447.55	892.8	738.4	.0000	.0000	.0449	.9946	.9906
19500.0	-.2021	-1.1444	880.1	447.56	892.8	738.5	.0000	.0000	.0451	.9946	.9906
19400.0	-.1954	-1.1207	880.4	447.57	892.8	738.5	.0000	.0000	.0454	.9946	.9907
19300.0	-.1891	-1.0980	880.6	447.59	892.7	738.6	.0000	.0000	.0455	.9946	.9907
19200.0	-.1831	-1.0763	880.9	447.60	892.7	738.6	.0000	.0000	.0459	.9947	.9908
19100.0	-.1774	-1.0556	881.2	447.61	892.7	738.7	.0000	.0000	.0461	.9947	.9908
19000.0	-.1720	-1.0356	881.4	447.62	892.7	738.8	.0000	.0000	.0464	.9947	.9909
18900.0	-.1668	-1.0165	881.7	447.64	892.7	738.8	.0000	.0000	.0467	.9947	.9909
18800.0	-.1619	-.9981	882.0	447.65	892.7	738.9	.0000	.0000	.0469	.9948	.9910
18700.0	-.1571	-.9803	882.2	447.66	892.7	738.9	.0000	.0000	.0472	.9948	.9910
18600.0	-.1526	-.9632	882.5	447.67	892.7	739.0	.0000	.0000	.0474	.9948	.9911
18500.0	-.1483	-.9467	882.7	447.69	892.6	739.0	.0000	.0000	.0477	.9949	.9912
18400.0	-.1441	-.9308	883.0	447.70	892.6	739.1	.0000	.0000	.0480	.9949	.9912
18300.0	-.1401	-.9154	883.3	447.71	892.6	739.1	.0000	.0000	.0483	.9949	.9913
18200.0	-.1363	-.9005	883.5	447.73	892.6	739.2	.0000	.0000	.0485	.9949	.9913
18100.0	-.1326	-.8861	883.8	447.74	892.6	739.3	.0000	.0000	.0488	.9950	.9914
18000.0	-.1291	-.8721	884.1	447.75	892.6	739.3	.0000	.0000	.0491	.9950	.9914
17900.0	-.1257	-.8586	884.3	447.76	892.6	739.4	.0000	.0000	.0494	.9950	.9915
17800.0	-.1224	-.8454	884.6	447.78	892.6	739.4	.0000	.0000	.0497	.9951	.9915
17700.0	-.1192	-.8327	884.9	447.79	892.5	739.5	.0000	.0000	.0500	.9951	.9916
17600.0	-.1161	-.8203	885.1	447.80	892.5	739.5	.0000	.0000	.0503	.9951	.9916
17500.0	-.1132	-.8082	885.4	447.81	892.5	739.6	.0000	.0000	.0506	.9951	.9917
17400.0	-.1103	-.7965	885.7	447.83	892.5	739.6	.0000	.0000	.0509	.9952	.9917
17300.0	-.1076	-.7851	885.9	447.84	892.5	739.7	.0000	.0000	.0512	.9952	.9918
17200.0	-.1049	-.7741	886.2	447.85	892.5	739.8	.0000	.0000	.0515	.9953	.9918
17100.0	-.1023	-.7633	886.4	447.86	892.5	739.8	.0000	.0000	.0518	.9953	.9919
17000.0	-.0998	-.7528	886.7	447.88	892.4	739.9	.0000	.0000	.0522	.9953	.9919
16900.0	-.0974	-.7425	887.0	447.89	892.4	739.9	.0000	.0000	.0525	.9953	.9920
16800.0	-.0951	-.7324	887.3	447.90	892.4	740.0	.0000	.0000	.0528	.9954	.9920
16700.0	-.0929	-.7228	887.5	447.92	892.4	740.0	.0000	.0000	.0531	.9954	.9921
16600.0	-.0907	-.7133	887.8	447.93	892.4	740.1	.0000	.0000	.0535	.9954	.9921
16500.0	-.0886	-.7043	888.0	447.94	892.4	740.1	.0000	.0000	.0538	.9954	.9922
16400.0	-.0865	-.6952	888.3	447.95	892.4	740.2	.0000	.0000	.0542	.9955	.9922
16300.0	-.0844	-.6863	888.6	447.97	892.3	740.3	.0000	.0000	.0545	.9955	.9923
16200.0	-.0824	-.6776	888.9	447.98	892.3	740.3	.0000	.0000	.0549	.9955	.9924
16100.0	-.0805	-.6690	889.1	447.99	892.3	740.4	.0000	.0000	.0552	.9955	.9924
16000.0	-.0786	-.6606	889.4	448.00	892.3	740.4	.0000	.0000	.0556	.9956	.9925
15900.0	-.0767	-.6524	889.7	448.02	892.3	740.5	.0000	.0000	.0560	.9956	.9925
15800.0	-.0749	-.6443	889.9	448.03	892.3	740.5	.0000	.0000	.0563	.9956	.9926
15700.0	-.0732	-.6364	890.2	448.04	892.3	740.6	.0000	.0000	.0567	.9957	.9926
15600.0	-.0715	-.6287	890.5	448.06	892.3	740.7	.0000	.0000	.0571	.9957	.9927
15500.0	-.0704	-.6210	890.7	448.07	892.2	740.7	.0000	.0000	.0575	.9957	.9928
15400.0	-.0688	-.6135	891.0	448.08	892.2	740.8	.0000	.0000	.0579	.9958	.9928
15300.0	-.0673	-.6062	891.3	448.09	892.2	740.8	.0000	.0000	.0583	.9958	.9929
15200.0	-.0658	-.5990	891.5	448.11	892.2	740.9	.0000	.0000	.0587	.9958	.9929
15100.0	-.0643	-.5918	891.8	448.12	892.2	740.9	.0000	.0000	.0591	.9958	.9930
15000.0	-.0629	-.5848	892.1	448.13	892.2	741.0	.0000	.0000	.0595	.9958	.9930
14900.0	-.0615	-.5779	892.3	448.14	892.2	741.0	.0000	.0000	.0599	.9959	.9931
14800.0	-.0601	-.5711	892.6	448.16	892.1	741.1	.0000	.0000	.0603	.9959	.9931
14700.0	-.0588	-.5645	892.9	448.17	892.1	741.2	.0000	.0000	.0607	.9959	.9932
14600.0	-.0575	-.5579	893.1	448.18	892.1	741.2	.0000	.0000	.0612	.9960	.9932
14500.0	-.0563	-.5514	893.4	448.20	892.1	741.3	.0000	.0000	.0616	.9960	.9933
14400.0	-.0550	-.5450	893.7	448.21	892.1	741.3	.0000	.0000	.0621	.9960	.9933
14300.0	-.0538	-.5388	894.0	448.23	892.1	741.4	.0000	.0000	.0625	.9960	.9934
14200.0	-.0527	-.5326	894.2	448.24	892.1	741.4	.0000	.0000	.0630	.9961	.9934
14100.0	-.0515	-.5265	894.5	448.25	892.1	741.5	.0000	.0000	.0634	.9961	.9935
14000.0	-.0504	-.5204	894.8	448.26	892.0	741.6	.0000	.0000	.0639	.9961	.9935
13900.0	-.0493	-.5145	895.0	448.27	892.0	741.6	.0000	.0000	.0644	.9962	.9936
13800.0	-.0482	-.5085	895.3	448.28	892.0	741.7	.0000	.0000	.0649	.9962	.9937
13700.0	-.0472	-.5029	895.6	448.30	892.0	741.8	.0000	.0000	.0654	.9962	.9937
13600.0	-.0461	-.4971	895.9	448.31	892.0	741.8	.0000	.0000	.0659	.9962	.9938
13500.0	-.0451	-.4915	896.1	448.32	892.0	741.8	.0000	.0000	.0664	.9963	.9938
13400.0	-.0441	-.4859	896.4	448.34	892.0	741.9	.0000	.0000	.0669	.9963	.9939
13300.0	-.0432	-.4804	896.7	448.35	891.9	742.0	.0000	.0000	.0674	.9963	.9939
13200.0	-.0422	-.4750	897.0	448.36	891.9	742.0	.0000	.0000	.0680	.9964	.9940
13100.0	-.0413	-.4697	897.2	448.38	891.9	742.1	.0000	.0000	.0685	.9964	.9941
13000.0	-.0404	-.4644	897.5	448.39	891.9	742.1	.0000	.0000	.0690	.9964	.9941
12900.0	-.0395	-.4591	897.8	448.40	891.9	742.2	.0000	.0000	.0696	.9965	.9942
12800.0	-.0387	-.4539	898.0	448.42	891.9	742.3	.0000	.0000	.0701	.9965	.9942
12700.0	-.0378	-.4488	898.3	448.43	891.9	742.3	.0000	.0000	.0707	.9965	.9943
12600.0	-.0370	-.4438	898.6	448.44	891.9	742.4	.0000	.0000	.0713	.9965	.9943
12500.0	-.0362	-.4388	898.9	448.45	891.8	742.4	.0000	.0000	.0719	.9966	.9944
12400.0	-.0354	-.4338	899.1	448.47	891.8	742.5	.0000	.0000	.0725	.9966	.9944
12300.0	-.0346	-.4289	899.4	448.48	891.8	742.5	.0000	.0000	.0731	.9966	.9945
12200.0	-.0338	-.4241	899.7	448.49	891.8	742.6	.0000	.0000	.0737	.9967	.9945
12100.0	-.0331	-.4193	900.0	448.51	891.8	742.6	.0000	.0000	.0744	.9967	.9946

TABLE 7. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 450 K)

PO KPA	XO	AO	P* KPA	T* K	D* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
12000.0	-.0323	-.4145	900.2	448.52	891.8	743.7	.0000	.0000	.0752	.9967	.9937
11900.0	-.0316	-.4098	900.5	448.53	891.8	743.8	.0000	.0000	.0757	.9967	.9937
11800.0	-.0309	-.4052	900.8	448.55	891.7	743.8	.0000	.0000	.0763	.9968	.9938
11700.0	-.0302	-.4006	901.1	448.56	891.7	743.9	.0000	.0000	.0770	.9968	.9938
11600.0	-.0295	-.3960	901.4	448.57	891.7	743.9	.0000	.0000	.0777	.9968	.9939
11500.0	-.0289	-.3915	901.6	448.59	891.7	743.9	.0000	.0000	.0784	.9969	.9939
11400.0	-.0282	-.3870	901.9	448.60	891.7	744.0	.0000	.0000	.0791	.9969	.9940
11300.0	-.0276	-.3825	902.2	448.61	891.7	744.1	.0000	.0000	.0798	.9969	.9940
11200.0	-.0270	-.3782	902.5	448.63	891.7	744.2	.0000	.0000	.0806	.9969	.9941
11100.0	-.0263	-.3738	902.7	448.64	891.6	744.2	.0000	.0000	.0813	.9970	.9942
11000.0	-.0257	-.3695	903.0	448.65	891.6	744.3	.0000	.0000	.0821	.9970	.9942
10900.0	-.0251	-.3652	903.3	448.65	891.6	744.4	.0000	.0000	.0829	.9970	.9943
10800.0	-.0244	-.3610	903.6	448.68	891.6	744.4	.0000	.0000	.0837	.9971	.9943
10700.0	-.0240	-.3567	903.8	448.69	891.6	744.5	.0000	.0000	.0845	.9971	.9944
10600.0	-.0234	-.3526	904.1	448.70	891.6	744.5	.0000	.0000	.0853	.9971	.9944
10500.0	-.0229	-.3484	904.4	448.72	891.6	744.6	.0000	.0000	.0861	.9971	.9945
10400.0	-.0224	-.3443	904.7	448.73	891.6	744.6	.0000	.0000	.0870	.9972	.9945
10300.0	-.0218	-.3402	905.0	448.74	891.5	744.7	.0000	.0000	.0879	.9972	.9946
10200.0	-.0213	-.3362	905.2	448.75	891.5	744.7	.0000	.0000	.0887	.9972	.9947
10100.0	-.0208	-.3322	905.5	448.77	891.5	744.8	.0000	.0000	.0897	.9973	.9947
10000.0	-.0203	-.3282	905.8	448.78	891.5	744.8	.0000	.0000	.0906	.9973	.9948
9900.0	-.0198	-.3243	906.1	448.79	891.5	744.9	.0000	.0000	.0915	.9973	.9948
9800.0	-.0193	-.3203	906.4	448.81	891.5	744.9	.0000	.0000	.0924	.9973	.9949
9700.0	-.0189	-.3164	906.6	448.82	891.4	744.0	.0000	.0000	.0935	.9974	.9949
9600.0	-.0184	-.3125	906.9	448.83	891.4	744.1	.0000	.0000	.0945	.9974	.9950
9500.0	-.0179	-.3087	907.2	448.85	891.4	744.1	.0000	.0000	.0955	.9974	.9950
9400.0	-.0175	-.3049	907.5	448.85	891.4	744.2	.0000	.0000	.0965	.9975	.9951
9300.0	-.0171	-.3011	907.8	448.87	891.4	744.3	.0000	.0000	.0976	.9975	.9952
9200.0	-.0166	-.2973	908.0	448.88	891.4	744.3	.0000	.0000	.0987	.9975	.9952
9100.0	-.0162	-.2935	908.3	448.90	891.4	744.4	.0000	.0000	.0998	.9976	.9953
9000.0	-.0158	-.2898	908.5	448.91	891.4	744.4	.0000	.0000	.1010	.9976	.9953
8900.0	-.0154	-.2861	908.9	448.93	891.3	744.5	.0000	.0000	.1021	.9976	.9954
8800.0	-.0150	-.2824	909.2	448.94	891.3	744.5	.0000	.0000	.1033	.9976	.9954
8700.0	-.0145	-.2789	909.4	448.95	891.3	744.6	.0000	.0000	.1045	.9977	.9955
8600.0	-.0142	-.2751	909.7	448.97	891.3	744.7	.0000	.0000	.1058	.9977	.9956
8500.0	-.0138	-.2715	910.0	448.98	891.3	744.7	.0000	.0000	.1071	.9977	.9956
8400.0	-.0134	-.2679	910.3	449.00	891.3	744.8	.0000	.0000	.1084	.9978	.9957
8300.0	-.0131	-.2643	910.5	449.00	891.3	744.8	.0000	.0000	.1097	.9978	.9957
8200.0	-.0127	-.2608	910.9	449.02	891.3	744.9	.0000	.0000	.1111	.9978	.9958
8100.0	-.0124	-.2572	911.1	449.03	891.2	744.9	.0000	.0000	.1125	.9979	.9959
8000.0	-.0121	-.2537	911.4	449.04	891.2	745.0	.0000	.0000	.1139	.9979	.9959
7900.0	-.0118	-.2502	911.7	449.06	891.2	745.1	.0000	.0000	.1154	.9979	.9960
7800.0	-.0114	-.2467	912.0	449.07	891.2	745.1	.0000	.0000	.1169	.9979	.9960
7700.0	-.0111	-.2432	912.3	449.08	891.2	745.2	.0000	.0000	.1184	.9980	.9961
7600.0	-.0107	-.2397	912.6	449.10	891.2	745.3	.0000	.0000	.1201	.9980	.9961
7500.0	-.0104	-.2363	912.9	449.11	891.2	745.3	.0000	.0000	.1217	.9980	.9962
7400.0	-.0101	-.2329	913.1	449.12	891.1	745.4	.0000	.0000	.1234	.9981	.9962
7300.0	-.0098	-.2294	913.4	449.14	891.1	745.4	.0000	.0000	.1251	.9981	.9963
7200.0	-.0095	-.2260	913.7	449.15	891.1	745.5	.0000	.0000	.1269	.9981	.9963
7100.0	-.0092	-.2226	914.0	449.16	891.1	745.5	.0000	.0000	.1287	.9981	.9964
7000.0	-.0090	-.2192	914.3	449.18	891.1	745.6	.0000	.0000	.1306	.9982	.9965
6900.0	-.0087	-.2159	914.6	449.19	891.1	745.6	.0000	.0000	.1325	.9982	.9965
6800.0	-.0084	-.2125	914.9	449.20	891.1	745.7	.0000	.0000	.1345	.9983	.9966
6700.0	-.0081	-.2092	915.1	449.22	891.0	745.8	.0000	.0000	.1366	.9983	.9966
6600.0	-.0079	-.2058	915.4	449.23	891.0	745.8	.0000	.0000	.1387	.9983	.9967
6500.0	-.0076	-.2025	915.7	449.24	891.0	745.9	.0000	.0000	.1409	.9983	.9967
6400.0	-.0074	-.1992	916.0	449.26	891.0	745.9	.0000	.0000	.1431	.9984	.9968
6300.0	-.0071	-.1958	916.3	449.27	891.0	746.0	.0000	.0000	.1454	.9984	.9969
6200.0	-.0069	-.1925	916.6	449.28	891.0	746.1	.0000	.0000	.1478	.9984	.9969
6100.0	-.0066	-.1893	916.9	449.30	891.0	746.1	.0000	.0000	.1503	.9984	.9970
6000.0	-.0064	-.1860	917.1	449.31	890.9	746.2	.0000	.0000	.1529	.9985	.9970
5900.0	-.0062	-.1826	917.4	449.33	890.9	746.3	.0000	.0000	.1555	.9985	.9971
5800.0	-.0059	-.1793	917.7	449.34	890.9	746.3	.0000	.0000	.1582	.9985	.9971
5700.0	-.0057	-.1761	918.0	449.35	890.9	746.4	.0000	.0000	.1611	.9986	.9972
5600.0	-.0055	-.1728	918.3	449.37	890.9	746.4	.0000	.0000	.1640	.9986	.9973
5500.0	-.0053	-.1695	918.6	449.38	890.9	746.5	.0000	.0000	.1670	.9986	.9973
5400.0	-.0051	-.1662	918.9	449.39	890.9	746.6	.0000	.0000	.1702	.9986	.9974
5300.0	-.0049	-.1630	919.2	449.41	890.8	746.6	.0000	.0000	.1734	.9987	.9974
5200.0	-.0047	-.1597	919.5	449.42	890.8	746.7	.0000	.0000	.1768	.9987	.9975
5100.0	-.0045	-.1564	919.8	449.43	890.8	746.7	.0000	.0000	.1803	.9987	.9976
5000.0	-.0043	-.1532	920.0	449.45	890.8	746.8	.0000	.0000	.1840	.9988	.9976
4900.0	-.0042	-.1499	920.3	449.46	890.8	746.8	.0000	.0000	.1878	.9988	.9977
4800.0	-.0040	-.1466	920.6	449.47	890.8	746.9	.0000	.0000	.1919	.9988	.9977
4700.0	-.0038	-.1433	920.9	449.49	890.8	747.0	.0000	.0000	.1959	.9989	.9978
4600.0	-.0036	-.1400	921.2	449.50	890.7	747.0	.0000	.0000	.2003	.9989	.9978
4500.0	-.0035	-.1368	921.5	449.51	890.7	747.1	.0000	.0000	.2048	.9989	.9979
4400.0	-.0033	-.1335	921.8	449.53	890.7	747.1	.0000	.0000	.2095	.9989	.9980
4300.0	-.0032	-.1302	922.1	449.54	890.7	747.2	.0000	.0000	.2144	.9990	.9980
4200.0	-.0030	-.1269	922.4	449.55	890.7	747.3	.0000	.0000	.2196	.9990	.9981
4100.0	-.0029	-.1235	922.7	449.57	890.7	747.3	.0000	.0000	.2250	.9990	.9981
4000.0	-.0027	-.1202	923.0	449.58	890.7	747.4	.0000	.0000	.2307	.9991	.9982
3900.0	-.0026	-.1169	923.3	449.59	890.6	747.4	.0000	.0000	.2367	.9991	.9983
3800.0	-.0024	-.1135	923.6	449.61	890.6	747.5	.0000	.0000	.2430	.9991	.9983
3700.0	-.0023	-.1102	923.8	449.62	890.6	747.6	.0000	.0000	.2497	.9992	.9984
3600.0	-.0022	-.1068	924.1	449.64	890.6	747.6	.0000	.0000	.2567	.9992	.9984
3500.0	-.0020	-.1034	924.4	449.65	890.6	747.7	.0000	.0000	.2641	.9992	.9985
3400.0	-.0019	-.1000	924.7	449.66	890.6	747.7	.0000	.0000	.2720	.9993	.9985
3300.0	-.0018	-.0965	925.0	449.68	890.6	747.8	.0000	.0000	.2803	.9993	.9986
3200.0	-.0016	-.0931	925.3	449.69	890.6	747.8	.0000	.0000	.2892	.9993	.9987
3100.0	-.0015	-.0898	925.6	449.70	890.5	747.9	.0000	.0000	.2986	.9993	.9987
3000.0	-.0014	-.0861	925.9	449.72	890.5	748.0	.0000	.0000	.3086	.9994	.9988
2900.0	-.0013	-.0825	926.2	449.73	890.5	748.0	.0000	.0000	.3194	.9994	.9989
2800.0	-.0012	-.0790	926.5	449.74	890.5	748.1	.0000	.0000	.3309	.9994	.9989
2700.0	-.0010	-.0754	926.8	449.76	890.5	748.2	.0000	.0000	.3431	.9995	.9990
2600.0	-.0010	-.0717	927.1	449.77	890.5	748.2	.0000	.0000	.3566	.9995	.9990
2500.0	-.0010	-.0680	927.4	449.78	890.5	748.3	.0000	.0000	.3710	.9995	.9991
2400.0	-.0009	-.0643	927.7	449.80	890.4	748.3	.0000	.0000	.3865	.9996	.9991
2300.0	-.0008	-.0604	928.0	449.81	890.4	748.4	.0000	.0000	.4033	.9996	.9992
2200.0	-.0007	-.0565	928.3	449.83	890.4	748.4	.0000	.0000	.4218	.9996	.9992
2100.0	-.0006	-.0524	928.6	449.84	890.4	748.5	.0000	.0000	.4422	.9996	.9993

TABLE 7. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 450 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X0'	A*	PR	TR	RR
2000.0	-.0008	-.0489	929.9	449.85	890.4	748.6	.0000	.0000	.4644	.9997	.9994
1900.0	-.0004	-.0448	929.7	449.87	890.4	748.6	.0000	.0000	.4490	.9997	.9994
1800.0	-.0004	-.0407	929.5	449.88	890.3	748.7	.0000	.0000	.9144	.9997	.9995
1700.0	-.0004	-.0364	929.4	449.89	890.3	748.8	.0000	.0000	.9449	.9998	.9995
1600.0	-.0003	-.0319	930.1	449.91	890.3	748.8	.0000	.0000	.9813	.9998	.9996
1500.0	-.0002	-.0279	930.1	449.92	890.3	748.9	.0030	.0030	.4703	.9998	.9997
1400.0	-.0002	-.0234	930.0	449.94	890.3	748.9	.0000	.0000	.6647	.9998	.9997
1300.0	-.0001	-.0187	930.9	449.95	890.3	749.0	.0000	.0000	.7141	.9999	.9998
1200.0	-.0001	-.0139	931.2	449.96	890.3	749.1	.0000	.0030	.7760	.9999	.9999
1100.0	-.0001	-.0089	931.5	449.98	890.2	749.1	.0000	.0000	.8469	.9999	.9999
1000.0	-.0000	-.0037	724.9	439.52	686.1	710.7	.0036	.4624	.7249	.9767	.9460

TABLE 2. SUBCOOLED CRITECAL STATE PROPERTIES

(TO 460 K)

PO KPa	XO	AO	P* KPa	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
22120.0	********	********	1095.5	457.03	882.7	780.3	.0000	.0000	.0495	.9936	.9878
22100.0	-4.0333	-17.1595	1095.5	457.04	882.7	780.3	.0000	.0000	.0496	.9936	.9878
22000.0	-1.4692	-4.8939	1095.9	457.05	882.7	780.4	.0000	.0000	.0498	.9936	.9879
21900.0	-1.0787	-3.6658	1096.2	457.06	882.7	780.4	.0000	.0000	.0501	.9936	.9880
21800.0	-.8948	-3.0937	1096.5	457.08	882.7	780.5	.0000	.0000	.0503	.9936	.9880
21700.0	-.7118	-2.7097	1096.9	457.09	882.7	780.5	.0000	.0000	.0505	.9937	.9881
21600.0	-.6260	-2.4563	1097.2	457.10	882.7	780.6	.0000	.0000	.0504	.9937	.9881
21500.0	-.5620	-2.2650	1097.5	457.12	882.6	780.7	.0000	.0000	.0510	.9937	.9882
21400.0	-.5119	-2.1139	1097.9	457.13	882.6	780.7	.0000	.0000	.0511	.9938	.9883
21300.0	-.4714	-1.9922	1098.2	457.14	882.6	780.8	.0000	.0000	.0516	.9938	.9883
21200.0	-.4378	-1.8947	1098.5	457.16	882.6	780.8	.0000	.0000	.0518	.9938	.9883
21100.0	-.4083	-1.7970	1098.9	457.17	882.6	780.9	.0000	.0000	.0521	.9939	.9884
21000.0	-.3833	-1.7192	1099.2	457.18	882.6	781.0	.0000	.0000	.0523	.9939	.9884
20900.0	-.3614	-1.6504	1099.5	457.20	882.6	781.0	.0000	.0000	.0526	.9939	.9885
20800.0	-.3419	-1.5889	1099.8	457.21	882.5	781.1	.0000	.0000	.0529	.9939	.9886
20700.0	-.3245	-1.5334	1100.2	457.23	882.5	781.2	.0000	.0000	.0531	.9940	.9886
20600.0	-.3088	-1.4829	1100.5	457.24	882.5	781.2	.0000	.0000	.0534	.9940	.9887
20500.0	-.2946	-1.4367	1100.9	457.25	882.5	781.3	.0000	.0000	.0537	.9940	.9887
20400.0	-.2815	-1.3941	1101.2	457.27	882.5	781.3	.0000	.0000	.0540	.9941	.9888
20300.0	-.2695	-1.3546	1101.5	457.28	882.5	781.4	.0000	.0000	.0543	.9941	.9888
20200.0	-.2585	-1.3178	1101.9	457.29	882.5	781.5	.0000	.0000	.0545	.9941	.9889
20100.0	-.2482	-1.2835	1102.2	457.31	882.4	781.5	.0000	.0000	.0548	.9941	.9889
20000.0	-.2386	-1.2513	1102.5	457.32	882.4	781.6	.0000	.0000	.0551	.9942	.9890
19900.0	-.2297	-1.2210	1102.9	457.33	882.4	781.6	.0000	.0000	.0554	.9942	.9890
19800.0	-.2214	-1.1923	1103.2	457.34	882.4	781.7	.0000	.0000	.0557	.9942	.9891
19700.0	-.2135	-1.1652	1103.6	457.36	882.4	781.8	.0000	.0000	.0560	.9943	.9892
19600.0	-.2061	-1.1395	1103.9	457.37	882.4	781.8	.0000	.0000	.0563	.9943	.9892
19500.0	-.1991	-1.1153	1104.2	457.39	882.4	781.9	.0000	.0000	.0566	.9943	.9893
19400.0	-.1925	-1.0917	1104.6	457.40	882.3	781.9	.0000	.0000	.0569	.9944	.9893
19300.0	-.1863	-1.0696	1104.9	457.41	882.3	782.0	.0000	.0000	.0572	.9944	.9894
19200.0	-.1803	-1.0490	1105.3	457.43	882.3	782.1	.0000	.0000	.0576	.9944	.9894
19100.0	-.1747	-1.0276	1105.6	457.44	882.3	782.1	.0000	.0000	.0579	.9944	.9895
19000.0	-.1693	-1.0080	1105.9	457.46	882.3	782.2	.0000	.0000	.0582	.9945	.9895
18900.0	-.1642	-.9892	1106.3	457.47	882.3	782.2	.0000	.0000	.0585	.9945	.9896
18800.0	-.1593	-.9711	1106.6	457.48	882.3	782.3	.0000	.0000	.0589	.9945	.9896
18700.0	-.1546	-.9536	1106.9	457.50	882.2	782.4	.0000	.0000	.0592	.9946	.9897
18600.0	-.1501	-.9368	1107.3	457.51	882.2	782.4	.0000	.0000	.0595	.9946	.9898
18500.0	-.1458	-.9206	1107.6	457.52	882.2	782.5	.0000	.0000	.0599	.9946	.9898
18400.0	-.1417	-.9049	1108.0	457.54	882.2	782.6	.0000	.0000	.0602	.9946	.9899
18300.0	-.1378	-.8897	1108.3	457.55	882.2	782.6	.0000	.0000	.0606	.9947	.9899
18200.0	-.1340	-.8751	1108.6	457.56	882.2	782.7	.0000	.0000	.0609	.9947	.9900
18100.0	-.1303	-.8609	1109.0	457.58	882.1	782.7	.0000	.0000	.0613	.9947	.9900
18000.0	-.1268	-.8471	1109.3	457.59	882.1	782.8	.0000	.0000	.0616	.9948	.9901
17900.0	-.1234	-.8338	1109.7	457.61	882.1	782.8	.0000	.0000	.0620	.9948	.9901
17800.0	-.1202	-.8209	1110.0	457.62	882.1	782.9	.0000	.0000	.0624	.9948	.9902
17700.0	-.1170	-.8083	1110.4	457.63	882.1	783.0	.0000	.0000	.0627	.9949	.9903
17600.0	-.1140	-.7961	1110.7	457.65	882.1	783.0	.0000	.0000	.0631	.9949	.9903
17500.0	-.1111	-.7843	1111.0	457.66	882.1	783.1	.0000	.0000	.0635	.9949	.9904
17400.0	-.1083	-.7728	1111.4	457.67	882.0	783.2	.0000	.0000	.0639	.9949	.9904
17300.0	-.1056	-.7616	1111.7	457.69	882.0	783.2	.0000	.0000	.0643	.9950	.9905
17200.0	-.1029	-.7507	1112.1	457.70	882.0	783.3	.0000	.0000	.0647	.9950	.9905
17100.0	-.1004	-.7401	1112.4	457.72	882.0	783.3	.0000	.0000	.0651	.9950	.9906
17000.0	-.0979	-.7297	1112.8	457.73	882.0	783.4	.0000	.0000	.0655	.9951	.9906
16900.0	-.0955	-.7196	1113.1	457.74	882.0	783.5	.0000	.0000	.0659	.9951	.9907
16800.0	-.0932	-.7098	1113.4	457.75	882.0	783.5	.0000	.0000	.0663	.9951	.9908
16700.0	-.0910	-.7002	1113.8	457.77	881.9	783.6	.0000	.0000	.0667	.9952	.9908
16600.0	-.0888	-.6909	1114.1	457.78	881.9	783.6	.0000	.0000	.0671	.9952	.9909
16500.0	-.0868	-.6820	1114.5	457.80	881.9	783.7	.0000	.0000	.0675	.9952	.9909
16400.0	-.0847	-.6732	1114.8	457.81	881.9	783.8	.0000	.0000	.0680	.9952	.9910
16300.0	-.0828	-.6648	1115.2	457.83	881.9	783.8	.0000	.0000	.0684	.9953	.9910
16200.0	-.0809	-.6567	1115.5	457.84	881.9	783.9	.0000	.0000	.0688	.9953	.9911
16100.0	-.0790	-.6487	1115.9	457.85	881.8	783.9	.0000	.0000	.0693	.9953	.9911
16000.0	-.0772	-.6390	1116.2	457.87	881.8	784.0	.0000	.0000	.0698	.9954	.9912
15900.0	-.0754	-.6309	1116.6	457.88	881.8	784.1	.0000	.0000	.0702	.9954	.9913
15800.0	-.0737	-.6233	1116.9	457.89	881.8	784.1	.0000	.0000	.0709	.9954	.9913
15700.0	-.0720	-.6157	1117.3	457.91	881.8	784.2	.0000	.0000	.0712	.9955	.9914
15600.0	-.0704	-.6076	1117.6	457.93	881.8	784.3	.0000	.0000	.0716	.9955	.9914
15500.0	-.0688	-.6000	1118.0	457.94	881.8	784.3	.0000	.0000	.0721	.9955	.9915
15400.0	-.0672	-.5937	1118.3	457.95	881.7	784.4	.0000	.0000	.0726	.9955	.9915
15300.0	-.0657	-.5856	1118.6	457.96	881.7	784.4	.0000	.0000	.0731	.9956	.9916
15200.0	-.0642	-.5761	1119.0	457.98	881.7	784.5	.0000	.0000	.0735	.9956	.9917
15100.0	-.0628	-.5713	1119.3	457.99	881.7	784.6	.0000	.0000	.0741	.9956	.9917
15000.0	-.0614	-.5644	1119.7	458.01	881.7	784.6	.0000	.0000	.0746	.9957	.9918
14900.0	-.0600	-.5576	1120.0	458.02	881.7	784.7	.0000	.0000	.0752	.9957	.9918
14800.0	-.0587	-.5509	1120.4	458.03	881.7	784.7	.0000	.0000	.0757	.9957	.9919
14700.0	-.0574	-.5444	1120.7	458.05	881.6	784.8	.0000	.0000	.0763	.9958	.9919
14600.0	-.0561	-.5379	1121.1	458.06	881.6	784.9	.0000	.0000	.0768	.9958	.9920
14500.0	-.0549	-.5315	1121.4	458.08	881.6	784.9	.0000	.0000	.0773	.9958	.9920
14400.0	-.0536	-.5252	1121.8	458.09	881.6	785.0	.0000	.0000	.0779	.9959	.9921
14300.0	-.0525	-.5190	1122.1	458.10	881.6	785.1	.0000	.0000	.0785	.9959	.9922
14200.0	-.0513	-.5129	1122.5	458.12	881.6	785.1	.0000	.0000	.0790	.9959	.9922
14100.0	-.0502	-.5069	1122.8	458.13	881.5	785.2	.0000	.0000	.0795	.9959	.9923
14000.0	-.0491	-.5010	1123.2	458.14	881.5	785.2	.0000	.0000	.0802	.9960	.9923
13900.0	-.0480	-.4951	1123.5	458.16	881.5	785.3	.0000	.0000	.0808	.9960	.9924
13800.0	-.0469	-.4894	1123.9	458.17	881.5	785.4	.0000	.0000	.0814	.9960	.9924
13700.0	-.0459	-.4837	1124.3	458.19	881.5	785.4	.0000	.0000	.0821	.9961	.9925
13600.0	-.0449	-.4780	1124.6	458.20	881.5	785.5	.0000	.0000	.0829	.9961	.9926
13500.0	-.0439	-.4725	1125.0	458.21	881.5	785.6	.0000	.0000	.0833	.9961	.9926
13400.0	-.0429	-.4670	1125.3	458.23	881.4	785.6	.0000	.0000	.0840	.9961	.9927
13300.0	-.0420	-.4616	1125.7	458.24	881.4	785.7	.0000	.0000	.0846	.9962	.9927
13200.0	-.0410	-.4563	1126.0	458.26	881.4	785.7	.0000	.0000	.0853	.9962	.9928
13100.0	-.0401	-.4510	1126.4	458.27	881.4	785.8	.0000	.0000	.0860	.9962	.9928
13000.0	-.0392	-.4458	1126.7	458.28	881.4	785.9	.0000	.0000	.0867	.9963	.9929
12900.0	-.0384	-.4406	1127.1	458.30	881.4	785.9	.0000	.0000	.0874	.9963	.9930
12800.0	-.0375	-.4355	1127.4	458.31	881.4	786.0	.0000	.0000	.0881	.9963	.9930
12700.0	-.0367	-.4305	1127.8	458.33	881.3	786.0	.0000	.0000	.0889	.9964	.9931
12600.0	-.0359	-.4254	1128.2	458.34	881.3	786.1	.0000	.0000	.0895	.9964	.9931
12500.0	-.0351	-.4205	1128.5	458.35	881.3	786.2	.0000	.0000	.0903	.9964	.9932
12400.0	-.0343	-.4157	1128.9	458.37	881.3	786.2	.0000	.0000	.0910	.9965	.9933
12300.0	-.0335	-.4108	1129.2	458.38	881.3	786.3	.0000	.0000	.0918	.9965	.9933
12200.0	-.0328	-.4061	1129.6	458.40	881.3	786.4	.0000	.0000	.0926	.9965	.9934
12100.0	-.0320	-.4013	1129.9	458.41	881.2	786.4	.0000	.0000	.0934	.9966	.9934

TABLE 2. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 460 K)

PO KPA	XO	AO	P* KPA	T* K	D* KG/M3	H* KJ/KG	X*	A*	PR	TR	ZR
12000.0	-.0313	-.3967	1130.3	458.43	881.2	786.5	.0000	.0000	.0947	.9966	.9935
11900.0	-.0306	-.3920	1130.7	458.44	881.2	786.5	.0000	.0000	.0950	.9966	.9934
11800.0	-.0299	-.3874	1131.0	458.45	881.2	786.6	.0000	.0000	.0953	.9966	.9936
11700.0	-.0292	-.3829	1131.4	458.47	881.2	786.7	.0000	.0000	.0957	.9967	.9937
11600.0	-.0286	-.3784	1131.7	458.48	881.2	786.7	.0000	.0000	.0960	.9967	.9937
11500.0	-.0279	-.3739	1132.1	458.50	881.2	786.8	.0000	.0000	.0964	.9967	.9938
11400.0	-.0273	-.3695	1132.5	458.51	881.1	786.9	.0000	.0000	.0968	.9968	.9938
11300.0	-.0266	-.3652	1132.8	458.53	881.1	786.9	.0000	.0000	.0971	.9968	.9939
11200.0	-.0260	-.3609	1133.2	458.54	881.1	787.0	.0000	.0000	.0975	.9968	.9939
11100.0	-.0254	-.3565	1133.5	458.55	881.1	787.1	.0000	.0000	.1021	.9969	.9940
11000.0	-.0248	-.3523	1133.9	458.57	881.1	787.1	.0000	.0000	.1031	.9969	.9941
10900.0	-.0243	-.3481	1134.3	458.58	881.1	787.2	.0000	.0000	.1041	.9969	.9941
10800.0	-.0237	-.3439	1134.6	458.60	881.0	787.2	.0000	.0000	.1051	.9970	.9942
10700.0	-.0231	-.3397	1135.0	458.61	881.0	787.3	.0000	.0000	.1061	.9970	.9943
10600.0	-.0226	-.3356	1135.3	458.62	881.0	787.4	.0000	.0000	.1071	.9970	.9943
10500.0	-.0220	-.3315	1135.7	458.64	881.0	787.4	.0000	.0000	.1082	.9970	.9944
10400.0	-.0214	-.3275	1136.1	458.65	881.0	787.5	.0000	.0000	.1092	.9971	.9944
10300.0	-.0210	-.3234	1136.4	458.67	881.0	787.6	.0000	.0000	.1103	.9971	.9945
10200.0	-.0205	-.3195	1136.8	458.68	881.0	787.6	.0000	.0000	.1114	.9971	.9945
10100.0	-.0200	-.3155	1137.1	458.70	880.9	787.7	.0000	.0000	.1126	.9972	.9946
10000.0	-.0195	-.3116	1137.5	458.71	880.9	787.7	.0000	.0000	.1138	.9972	.9946
9900.0	-.0190	-.3077	1137.9	458.73	880.9	787.8	.0000	.0000	.1149	.9972	.9947
9800.0	-.0185	-.3038	1138.2	458.74	880.9	787.9	.0000	.0000	.1161	.9973	.9948
9700.0	-.0181	-.3000	1138.6	458.75	880.9	787.9	.0000	.0000	.1174	.9973	.9948
9600.0	-.0176	-.2961	1139.0	458.77	880.9	788.0	.0000	.0000	.1186	.9973	.9949
9500.0	-.0172	-.2923	1139.3	458.78	880.8	788.1	.0000	.0000	.1199	.9973	.9949
9400.0	-.0168	-.2886	1139.7	458.80	880.8	788.1	.0000	.0000	.1212	.9974	.9950
9300.0	-.0163	-.2848	1140.1	458.81	880.8	788.2	.0000	.0000	.1226	.9974	.9951
9200.0	-.0159	-.2811	1140.4	458.82	880.8	788.3	.0000	.0000	.1240	.9974	.9951
9100.0	-.0155	-.2774	1140.8	458.84	880.8	788.3	.0000	.0000	.1254	.9975	.9952
9000.0	-.0151	-.2737	1141.2	458.85	880.8	788.4	.0000	.0000	.1268	.9975	.9952
8900.0	-.0147	-.2701	1141.5	458.87	880.7	788.4	.0000	.0000	.1283	.9975	.9953
8800.0	-.0143	-.2664	1141.9	458.88	880.7	788.5	.0000	.0000	.1298	.9976	.9954
8700.0	-.0139	-.2628	1142.3	458.90	880.7	788.5	.0000	.0000	.1313	.9976	.9954
8600.0	-.0135	-.2592	1142.6	458.91	880.7	788.6	.0000	.0000	.1329	.9976	.9955
8500.0	-.0132	-.2557	1143.0	458.92	880.7	788.7	.0000	.0000	.1345	.9977	.9955
8400.0	-.0128	-.2521	1143.4	458.94	880.7	788.8	.0000	.0000	.1361	.9977	.9956
8300.0	-.0124	-.2486	1143.7	458.95	880.7	788.8	.0000	.0000	.1378	.9977	.9956
8200.0	-.0121	-.2451	1144.1	458.97	880.6	788.9	.0000	.0000	.1395	.9978	.9957
8100.0	-.0118	-.2416	1144.5	458.98	880.6	789.0	.0000	.0000	.1413	.9979	.9958
8000.0	-.0114	-.2381	1144.9	459.00	880.6	789.0	.0000	.0000	.1431	.9978	.9958
7900.0	-.0111	-.2346	1145.2	459.01	880.6	789.1	.0000	.0000	.1450	.9979	.9959
7800.0	-.0108	-.2312	1145.6	459.02	880.6	789.1	.0000	.0000	.1469	.9979	.9959
7700.0	-.0105	-.2278	1146.0	459.04	880.6	789.2	.0000	.0000	.1488	.9979	.9960
7600.0	-.0102	-.2243	1146.3	459.05	880.5	789.3	.0000	.0000	.1508	.9979	.9961
7500.0	-.0099	-.2209	1146.7	459.07	880.5	789.3	.0000	.0000	.1529	.9980	.9961
7400.0	-.0096	-.2176	1147.1	459.08	880.5	789.4	.0000	.0000	.1550	.9980	.9962
7300.0	-.0093	-.2142	1147.4	459.10	880.5	789.5	.0000	.0000	.1572	.9980	.9962
7200.0	-.0090	-.2109	1147.8	459.11	880.5	789.5	.0000	.0000	.1594	.9981	.9963
7100.0	-.0087	-.2075	1148.2	459.13	880.5	789.6	.0000	.0000	.1617	.9981	.9964
7000.0	-.0084	-.2041	1148.5	459.14	880.4	789.7	.0000	.0000	.1641	.9981	.9964
6900.0	-.0082	-.2008	1148.9	459.16	880.4	789.7	.0000	.0000	.1665	.9982	.9965
6800.0	-.0079	-.1975	1149.3	459.17	880.4	789.8	.0000	.0000	.1690	.9982	.9965
6700.0	-.0076	-.1942	1149.7	459.18	880.4	789.9	.0000	.0000	.1716	.9982	.9966
6600.0	-.0074	-.1909	1150.0	459.20	880.4	789.9	.0000	.0000	.1742	.9983	.9967
6500.0	-.0071	-.1876	1150.4	459.21	880.4	790.0	.0000	.0000	.1770	.9983	.9967
6400.0	-.0069	-.1843	1150.8	459.23	880.4	790.1	.0000	.0000	.1798	.9983	.9968
6300.0	-.0067	-.1810	1151.2	459.24	880.3	790.1	.0000	.0000	.1827	.9984	.9968
6200.0	-.0064	-.1778	1151.5	459.26	880.3	790.2	.0000	.0000	.1857	.9984	.9969
6100.0	-.0062	-.1745	1151.9	459.27	880.3	790.3	.0000	.0000	.1888	.9984	.9970
6000.0	-.0060	-.1712	1152.3	459.29	880.3	790.3	.0000	.0000	.1920	.9984	.9970
5900.0	-.0058	-.1680	1152.7	459.30	880.3	790.4	.0000	.0000	.1954	.9985	.9971
5800.0	-.0055	-.1648	1153.0	459.32	880.3	790.4	.0000	.0000	.1988	.9985	.9971
5700.0	-.0053	-.1615	1153.4	459.33	880.2	790.5	.0000	.0000	.2024	.9985	.9972
5600.0	-.0051	-.1583	1153.8	459.34	880.2	790.6	.0000	.0000	.2060	.9986	.9973
5500.0	-.0049	-.1550	1154.2	459.36	880.2	790.6	.0000	.0000	.2098	.9986	.9973
5400.0	-.0047	-.1518	1154.5	459.37	880.2	790.7	.0000	.0000	.2138	.9986	.9974
5300.0	-.0045	-.1486	1154.9	459.39	880.2	790.8	.0000	.0000	.2179	.9987	.9974
5200.0	-.0044	-.1454	1155.3	459.40	880.2	790.8	.0000	.0000	.2222	.9987	.9975
5100.0	-.0042	-.1421	1155.7	459.42	880.1	790.9	.0000	.0000	.2266	.9987	.9976
5000.0	-.0040	-.1389	1156.0	459.43	880.1	791.0	.0000	.0000	.2312	.9988	.9976
4900.0	-.0038	-.1357	1156.4	459.45	880.1	791.0	.0000	.0000	.2360	.9988	.9977
4800.0	-.0036	-.1324	1156.8	459.46	880.1	791.1	.0000	.0000	.2410	.9989	.9978
4700.0	-.0035	-.1292	1157.2	459.48	880.1	791.2	.0000	.0000	.2462	.9989	.9978
4600.0	-.0033	-.1260	1157.5	459.49	880.1	791.2	.0000	.0000	.2516	.9989	.9979
4500.0	-.0032	-.1227	1157.9	459.51	880.1	791.3	.0000	.0000	.2573	.9989	.9979
4400.0	-.0030	-.1195	1158.3	459.52	880.0	791.4	.0000	.0000	.2633	.9990	.9980
4300.0	-.0029	-.1163	1158.7	459.54	880.0	791.4	.0000	.0000	.2695	.9990	.9981
4200.0	-.0027	-.1130	1159.1	459.55	880.0	791.5	.0000	.0000	.2760	.9990	.9981
4100.0	-.0026	-.1097	1159.5	459.56	880.0	791.5	.0000	.0000	.2829	.9991	.9982
4000.0	-.0024	-.1064	1159.8	459.58	880.0	791.6	.0000	.0000	.2900	.9991	.9982
3900.0	-.0023	-.1031	1160.2	459.59	880.0	791.7	.0000	.0000	.2975	.9991	.9983
3800.0	-.0022	-.0998	1160.6	459.61	879.9	791.7	.0000	.0000	.3054	.9991	.9984
3700.0	-.0020	-.0965	1161.0	459.62	879.9	791.8	.0000	.0000	.3138	.9992	.9984
3600.0	-.0019	-.0931	1161.4	459.64	879.9	791.9	.0000	.0000	.3226	.9992	.9985
3500.0	-.0018	-.0898	1161.9	459.65	879.9	791.9	.0000	.0000	.3319	.9992	.9985
3400.0	-.0017	-.0864	1162.3	459.67	879.9	792.0	.0000	.0000	.3418	.9993	.9986
3300.0	-.0016	-.0830	1162.7	459.68	879.9	792.1	.0000	.0000	.3523	.9993	.9987
3200.0	-.0014	-.0796	1163.1	459.70	879.8	792.1	.0000	.0000	.3634	.9993	.9987
3100.0	-.0013	-.0762	1163.5	459.71	879.8	792.2	.0000	.0000	.3753	.9994	.9988
3000.0	-.0012	-.0727	1163.7	459.73	879.8	792.3	.0000	.0000	.3879	.9994	.9989
2900.0	-.0011	-.0692	1164.1	459.74	879.8	792.3	.0000	.0000	.4014	.9994	.9989
2800.0	-.0010	-.0657	1164.4	459.76	879.8	792.4	.0000	.0000	.4159	.9995	.9990
2700.0	-.0009	-.0621	1164.8	459.77	879.8	792.5	.0000	.0000	.4314	.9995	.9990
2600.0	-.0008	-.0585	1165.2	459.79	879.7	792.5	.0000	.0000	.4482	.9995	.9991
2500.0	-.0008	-.0549	1165.5	459.80	879.7	792.6	.0000	.0000	.4663	.9996	.9992
2400.0	-.0007	-.0512	1165.9	459.82	879.7	792.7	.0000	.0000	.4858	.9996	.9992
2300.0	-.0006	-.0475	1166.4	459.83	879.7	792.7	.0000	.0000	.5071	.9996	.9993
2200.0	-.0005	-.0437	1166.8	459.85	879.7	792.8	.0000	.0000	.5303	.9997	.9994
2100.0	-.0005	-.0399	1167.1	459.86	879.7	792.9	.0000	.0000	.5558	.9997	.9994

TABLE 7. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 460 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	P#	T#	R#
2000.0	-.0004	-.0360	1167.5	459.44	879.6	792.9	.0000	.0032	.9838	.9997	.9995
1900.0	-.0003	-.0335	1167.9	459.49	879.6	793.0	.0000	.0003	.6147	.9998	.9995
1800.0	-.0003	-.0279	1168.3	459.91	879.4	793.1	.0000	.0000	.6491	.9998	.9996
1700.0	-.0002	-.0238	1168.7	459.97	879.5	793.1	.0000	.0000	.6876	.9998	.9997
1600.0	-.0002	-.0196	1169.1	459.94	879.6	793.2	.0000	.0000	.7307	.9999	.9997
1500.0	-.0001	-.0152	1169.5	459.95	879.6	793.3	.0000	.0000	.7787	.9999	.9998
1400.0	-.0001	-.0108	1169.9	459.97	879.5	793.3	.0000	.0000	.8356	.9999	.9999
1300.0	-.0000	-.0062	979.9	449.30	919.7	756.6	.0039	.4185	.7199	.9740	.9508
1200.0	-.0000	-.0014	873.8	447.25	861.2	746.8	.0048	.4441	.7281	.9723	.9243

TABLE . SUBCOOLED CRITECAL STATE PROPERTIES

(TO 470 K)

PO KPA	XO	AO
22170.0	********	********
22100.0	-4.0035	-11.9773
22000.0	-1.4566	-4.7946
21900.0	-1.0201	-3.5840
21800.0	-.8576	-3.0066
21700.0	-.7045	-2.6503
21600.0	-.6194	-2.4012
21500.0	-.5559	-2.2136
21400.0	-.5061	-2.0653
21300.0	-.4659	-1.9439
21200.0	-.4320	-1.8418
21100.0	-.4033	-1.7542
21000.0	-.3785	-1.6777
20900.0	-.3568	-1.6102
20800.0	-.3375	-1.5498
20700.0	-.3203	-1.4953
20600.0	-.3047	-1.4457
20500.0	-.2905	-1.4003
20400.0	-.2776	-1.3586
20300.0	-.2657	-1.3197
20200.0	-.2548	-1.2836
20100.0	-.2446	-1.2499
20000.0	-.2351	-1.2182
19900.0	-.2260	-1.1884
19800.0	-.2175	-1.1603
19700.0	-.2092	-1.1336
19600.0	-.2029	-1.1084
19500.0	-.1960	-1.0843
19400.0	-.1894	-1.0614
19300.0	-.1833	-1.0395
19200.0	-.1774	-1.0185
19100.0	-.1718	-.9984
19000.0	-.1665	-.9792
18900.0	-.1614	-.9607
18800.0	-.1565	-.9429
18700.0	-.1519	-.9257
18600.0	-.1475	-.9092
18500.0	-.1432	-.8932
18400.0	-.1391	-.8778
18300.0	-.1352	-.8629
18200.0	-.1314	-.8485
18100.0	-.1279	-.8346
18000.0	-.1244	-.8211
17900.0	-.1211	-.8080
17800.0	-.1178	-.7953
17700.0	-.1147	-.7829
17600.0	-.1118	-.7709
17500.0	-.1089	-.7593
17400.0	-.1061	-.7480
17300.0	-.1034	-.7370
17200.0	-.1008	-.7263
17100.0	-.0983	-.7158
17000.0	-.0958	-.7056
16900.0	-.0934	-.6957
16800.0	-.0912	-.6861
16700.0	-.0890	-.6766
16600.0	-.0869	-.6674
16500.0	-.0848	-.6587
16400.0	-.0828	-.6499
16300.0	-.0809	-.6413
16200.0	-.0790	-.6329
16100.0	-.0772	-.6246
16000.0	-.0754	-.6165
15900.0	-.0736	-.6085
15800.0	-.0719	-.6007
15700.0	-.0703	-.5930
15600.0	-.0687	-.5855
15500.0	-.0671	-.5781
15400.0	-.0656	-.5709
15300.0	-.0641	-.5637
15200.0	-.0626	-.5567
15100.0	-.0612	-.5498
15000.0	-.0598	-.5431
14900.0	-.0585	-.5364
14800.0	-.0571	-.5298
14700.0	-.0558	-.5233
14600.0	-.0546	-.5170
14500.0	-.0534	-.5107
14400.0	-.0522	-.5045
14300.0	-.0510	-.4984
14200.0	-.0499	-.4924
14100.0	-.0487	-.4865
14000.0	-.0477	-.4807
13900.0	-.0466	-.4749
13800.0	-.0456	-.4692
13700.0	-.0445	-.4636
13600.0	-.0435	-.4581
13500.0	-.0426	-.4526
13400.0	-.0416	-.4472
13300.0	-.0407	-.4419
13200.0	-.0398	-.4366
13100.0	-.0389	-.4315
13000.0	-.0380	-.4263
12900.0	-.0371	-.4212
12800.0	-.0363	-.4163
12700.0	-.0354	-.4113
12600.0	-.0347	-.4063
12500.0	-.0339	-.4015
12400.0	-.0331	-.3967
12300.0	-.0324	-.3919
12200.0	-.0316	-.3872
12100.0	-.0309	-.3826

PO KPA	TO K	RO KG/M3	HO KJ/KG	XO	AO
1359.5	466.83	871.9	823.9	.0000	.0000
1359.6	466.83	871.9	824.0	.0000	.0000
1360.0	466.84	871.9	824.0	.0000	.0000
1360.4	466.86	871.9	824.1	.0000	.0000
1360.9	466.87	871.9	824.2	.0000	.0000
1361.3	466.89	871.9	824.3	.0000	.0000
1361.7	466.90	871.8	824.3	.0000	.0000
1362.1	466.92	871.8	824.3	.0000	.0000
1362.6	466.93	871.8	824.4	.0000	.0000
1363.0	466.94	871.8	824.5	.0000	.0000
1363.4	466.96	871.8	824.5	.0000	.0000
1363.8	466.97	871.8	824.6	.0000	.0000
1364.3	466.99	871.7	824.7	.0000	.0000
1364.7	467.00	871.7	824.7	.0000	.0000
1365.1	467.02	871.7	824.8	.0000	.0000
1365.5	467.03	871.7	824.9	.0000	.0000
1366.0	467.05	871.7	824.9	.0000	.0000
1366.4	467.06	871.7	825.0	.0000	.0000
1366.8	467.08	871.6	825.1	.0000	.0000
1367.3	467.09	871.6	825.1	.0000	.0000
1367.7	467.10	871.6	825.2	.0000	.0000
1368.1	467.12	871.6	825.3	.0000	.0000
1368.6	467.13	871.6	825.3	.0000	.0000
1369.0	467.15	871.5	825.4	.0000	.0000
1369.4	467.16	871.5	825.5	.0000	.0000
1369.9	467.18	871.5	825.5	.0000	.0000
1370.3	467.19	871.5	825.6	.0000	.0000
1370.7	467.21	871.5	825.7	.0000	.0000
1371.2	467.22	871.5	825.7	.0000	.0000
1371.6	467.24	871.4	825.8	.0000	.0000
1372.0	467.25	871.4	825.9	.0000	.0000
1372.5	467.27	871.4	825.9	.0000	.0000
1372.9	467.28	871.4	826.0	.0000	.0000
1373.3	467.30	871.4	826.1	.0000	.0000
1373.8	467.31	871.4	826.1	.0000	.0000
1374.2	467.33	871.4	826.2	.0000	.0000
1374.6	467.34	871.3	826.3	.0000	.0000
1375.1	467.35	871.3	826.3	.0000	.0000
1375.5	467.37	871.3	826.4	.0000	.0000
1376.0	467.38	871.3	826.5	.0000	.0000
1376.4	467.40	871.3	826.5	.0000	.0000
1376.8	467.41	871.3	826.6	.0000	.0000
1377.3	467.43	871.2	826.7	.0000	.0000
1377.7	467.44	871.2	826.7	.0000	.0000
1378.1	467.46	871.2	826.8	.0000	.0000
1378.6	467.47	871.2	826.9	.0000	.0000
1379.0	467.49	871.2	826.9	.0000	.0000
1379.5	467.50	871.2	827.0	.0000	.0000
1379.9	467.51	871.1	827.0	.0000	.0000
1380.3	467.53	871.1	827.1	.0000	.0000
1380.9	467.55	871.1	827.2	.0000	.0000
1381.2	467.56	871.1	827.2	.0000	.0000
1381.7	467.58	871.1	827.3	.0000	.0000
1382.1	467.59	871.0	827.4	.0000	.0000
1382.5	467.61	871.0	827.5	.0000	.0000
1383.0	467.62	871.0	827.5	.0000	.0000
1383.4	467.64	871.0	827.6	.0000	.0000
1383.9	467.65	871.0	827.7	.0000	.0000
1384.3	467.67	871.0	827.7	.0000	.0000
1384.7	467.68	870.9	827.8	.0000	.0000
1385.2	467.70	870.9	827.9	.0000	.0000
1385.7	467.71	870.9	827.9	.0000	.0000
1386.1	467.73	870.9	828.0	.0000	.0000
1386.5	467.74	870.9	828.1	.0000	.0000
1387.0	467.76	870.9	828.1	.0000	.0000
1387.4	467.77	870.9	828.2	.0000	.0000
1387.9	467.79	870.8	828.3	.0000	.0000
1388.3	467.80	870.8	828.3	.0000	.0000
1388.8	467.82	870.8	828.4	.0000	.0000
1389.2	467.83	870.8	828.5	.0000	.0000
1389.7	467.85	870.8	828.5	.0000	.0000
1390.1	467.86	870.7	828.6	.0000	.0000
1390.6	467.88	870.7	828.7	.0000	.0000
1391.0	467.89	870.7	828.8	.0000	.0000
1391.5	467.91	870.7	828.8	.0000	.0000
1391.9	467.92	870.7	828.9	.0000	.0000
1392.4	467.94	870.7	829.0	.0000	.0000
1392.8	467.95	870.6	829.0	.0000	.0000
1393.3	467.97	870.6	829.1	.0000	.0000
1393.7	467.98	870.6	829.2	.0000	.0000
1394.2	468.00	870.6	829.3	.0000	.0000
1394.6	468.01	870.6	829.3	.0000	.0000
1395.1	468.03	870.6	829.3	.0000	.0000
1395.5	468.04	870.5	829.4	.0000	.0000
1396.0	468.06	870.5	829.5	.0000	.0000
1396.4	468.07	870.5	829.5	.0000	.0000
1396.9	468.09	870.5	829.6	.0000	.0000
1397.3	468.10	870.5	829.7	.0000	.0000
1397.8	468.12	870.4	829.7	.0000	.0000
1398.3	468.13	870.4	829.8	.0000	.0000
1398.7	468.15	870.4	829.9	.0000	.0000
1399.2	468.16	870.4	829.9	.0000	.0000
1399.6	468.18	870.4	830.0	.0000	.0000
1400.1	468.20	870.4	830.0	.0000	.0000
1400.5	468.21	870.3	830.1	.0000	.0000
1401.0	468.23	870.3	830.2	.0000	.0000
1401.5	468.24	870.3	830.3	.0000	.0000
1401.9	468.25	870.3	830.4	.0000	.0000
1402.4	468.27	870.3	830.4	.0000	.0000
1402.8	468.29	870.3	830.5	.0000	.0000
1403.3	468.30	870.2	830.6	.0000	.0000
1403.7	468.32	870.2	830.6	.0000	.0000

PR	TR	RR
.0615	.9932	.9874
.0615	.9933	.9874
.0618	.9933	.9874
.0621	.9933	.9875
.0624	.9933	.9875
.0627	.9934	.9876
.0630	.9934	.9877
.0634	.9934	.9877
.0637	.9935	.9878
.0640	.9935	.9878
.0643	.9935	.9879
.0646	.9936	.9880
.0650	.9936	.9880
.0653	.9936	.9881
.0656	.9937	.9881
.0660	.9937	.9882
.0663	.9937	.9882
.0667	.9937	.9883
.0670	.9938	.9884
.0674	.9938	.9884
.0677	.9938	.9885
.0681	.9939	.9885
.0684	.9939	.9886
.0688	.9939	.9886
.0692	.9940	.9887
.0695	.9940	.9888
.0699	.9940	.9888
.0703	.9941	.9889
.0707	.9941	.9889
.0711	.9941	.9890
.0715	.9942	.9890
.0719	.9942	.9891
.0723	.9942	.9892
.0727	.9942	.9892
.0731	.9943	.9893
.0735	.9943	.9893
.0739	.9943	.9894
.0743	.9944	.9894
.0748	.9944	.9895
.0752	.9944	.9895
.0756	.9945	.9896
.0761	.9945	.9897
.0765	.9945	.9897
.0770	.9946	.9898
.0774	.9946	.9899
.0779	.9946	.9899
.0784	.9947	.9900
.0788	.9947	.9900
.0793	.9947	.9901
.0798	.9948	.9901
.0803	.9948	.9902
.0808	.9948	.9903
.0813	.9948	.9903
.0818	.9949	.9904
.0823	.9949	.9904
.0828	.9949	.9905
.0833	.9950	.9905
.0839	.9950	.9906
.0844	.9950	.9907
.0850	.9951	.9907
.0855	.9951	.9908
.0861	.9951	.9908
.0866	.9952	.9909
.0872	.9952	.9910
.0878	.9952	.9910
.0884	.9953	.9911
.0890	.9953	.9911
.0896	.9953	.9912
.0902	.9954	.9913
.0908	.9954	.9913
.0914	.9954	.9914
.0921	.9955	.9914
.0927	.9955	.9915
.0934	.9955	.9916
.0940	.9955	.9916
.0947	.9956	.9917
.0954	.9956	.9917
.0961	.9955	.9918
.0968	.9957	.9919
.0975	.9957	.9919
.0982	.9957	.9920
.0989	.9958	.9920
.0996	.9958	.9921
.1004	.9958	.9922
.1012	.9959	.9922
.1019	.9959	.9923
.1027	.9959	.9923
.1035	.9960	.9924
.1043	.9960	.9924
.1051	.9960	.9925
.1060	.9961	.9926
.1068	.9961	.9926
.1077	.9961	.9927
.1086	.9962	.9927
.1094	.9962	.9928
.1103	.9962	.9929
.1112	.9963	.9929
.1122	.9963	.9930
.1131	.9963	.9931
.1141	.9964	.9931
.1150	.9964	.9932
.1160	.9964	.9933

TABLE 2. SUBCOOLED CRETECAL STATE PROPERTIES

(TO 470 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	C*	A*	PR	TR	RR
12000.0	-.0302	-.3780	1404.2	468.33	870.2	830.7	.0000	.0000	.1170	.9965	.9933
11900.0	-.0295	-.3734	1404.7	468.34	870.2	830.8	.0000	.0000	.1180	.9965	.9934
11800.0	-.0288	-.3689	1405.1	468.36	870.2	830.8	.0000	.0000	.1191	.9965	.9934
11700.0	-.0282	-.3644	1405.6	468.38	870.2	830.9	.0000	.0000	.1201	.9966	.9935
11600.0	-.0275	-.3600	1406.1	468.39	870.1	831.0	.0000	.0000	.1212	.9966	.9935
11500.0	-.0269	-.3556	1406.5	468.41	870.1	831.0	.0000	.0000	.1223	.9966	.9936
11400.0	-.0262	-.3513	1407.0	468.43	870.1	831.1	.0000	.0000	.1234	.9966	.9937
11300.0	-.0256	-.3470	1407.4	468.44	870.1	831.2	.0000	.0000	.1246	.9967	.9937
11200.0	-.0250	-.3427	1407.9	468.46	870.1	831.2	.0000	.0000	.1257	.9967	.9938
11100.0	-.0244	-.3385	1408.4	468.47	870.1	831.3	.0000	.0000	.1269	.9967	.9938
11000.0	-.0238	-.3343	1408.8	468.49	870.0	831.4	.0000	.0000	.1281	.9968	.9939
10900.0	-.0233	-.3301	1409.3	468.50	870.0	831.4	.0000	.0000	.1293	.9968	.9940
10800.0	-.0227	-.3260	1409.8	468.52	870.0	831.5	.0000	.0000	.1305	.9969	.9940
10700.0	-.0222	-.3219	1410.2	468.53	870.0	831.6	.0000	.0000	.1318	.9969	.9941
10600.0	-.0216	-.3178	1410.7	468.55	870.0	831.7	.0000	.0000	.1331	.9969	.9942
10500.0	-.0211	-.3138	1411.2	468.56	870.0	831.7	.0000	.0000	.1344	.9969	.9942
10400.0	-.0206	-.3098	1411.6	468.58	869.9	831.8	.0000	.0000	.1357	.9970	.9943
10300.0	-.0201	-.3059	1412.1	468.59	869.9	831.9	.0000	.0000	.1371	.9970	.9943
10200.0	-.0196	-.3019	1412.6	468.61	869.9	831.9	.0000	.0000	.1385	.9970	.9944
10100.0	-.0191	-.2980	1413.0	468.63	869.9	832.0	.0000	.0000	.1399	.9971	.9945
10000.0	-.0186	-.2942	1413.5	468.64	869.9	832.1	.0000	.0000	.1413	.9971	.9945
9900.0	-.0182	-.2903	1414.0	468.66	869.8	832.2	.0000	.0000	.1428	.9971	.9946
9800.0	-.0177	-.2865	1414.4	468.67	869.8	832.2	.0000	.0000	.1443	.9972	.9947
9700.0	-.0173	-.2827	1414.9	468.69	869.8	832.3	.0000	.0000	.1458	.9972	.9947
9600.0	-.0168	-.2790	1415.4	468.70	869.8	832.4	.0000	.0000	.1474	.9972	.9948
9500.0	-.0164	-.2752	1415.8	468.72	869.8	832.4	.0000	.0000	.1490	.9973	.9948
9400.0	-.0160	-.2715	1416.3	468.73	869.8	832.5	.0000	.0000	.1507	.9973	.9949
9300.0	-.0156	-.2678	1416.8	468.75	869.7	832.6	.0000	.0000	.1523	.9973	.9950
9200.0	-.0151	-.2641	1417.2	468.76	869.7	832.6	.0000	.0000	.1540	.9974	.9950
9100.0	-.0147	-.2604	1417.7	468.78	869.7	832.7	.0000	.0000	.1558	.9974	.9951
9000.0	-.0143	-.2569	1418.2	468.80	869.7	832.8	.0000	.0000	.1576	.9974	.9951
8900.0	-.0140	-.2533	1418.7	468.81	869.7	832.9	.0000	.0000	.1594	.9975	.9952
8800.0	-.0136	-.2497	1419.1	468.83	869.7	832.9	.0000	.0000	.1613	.9975	.9953
8700.0	-.0132	-.2461	1419.6	468.84	869.6	833.0	.0000	.0000	.1632	.9975	.9953
8600.0	-.0129	-.2426	1420.1	468.86	869.6	833.1	.0000	.0000	.1651	.9975	.9954
8500.0	-.0125	-.2391	1420.6	468.87	869.6	833.1	.0000	.0000	.1671	.9976	.9955
8400.0	-.0122	-.2356	1421.0	468.89	869.6	833.2	.0000	.0000	.1692	.9976	.9955
8300.0	-.0118	-.2322	1421.5	468.91	869.6	833.3	.0000	.0000	.1713	.9977	.9956
8200.0	-.0115	-.2288	1422.0	468.92	869.5	833.3	.0000	.0000	.1734	.9977	.9956
8100.0	-.0111	-.2252	1422.5	468.94	869.5	833.4	.0000	.0000	.1756	.9977	.9957
8000.0	-.0108	-.2218	1422.9	468.95	869.5	833.5	.0000	.0000	.1779	.9978	.9958
7900.0	-.0105	-.2184	1423.4	468.97	869.5	833.6	.0000	.0000	.1802	.9978	.9958
7800.0	-.0102	-.2150	1423.9	468.98	869.5	833.6	.0000	.0000	.1825	.9978	.9959
7700.0	-.0099	-.2116	1424.4	469.00	869.5	833.7	.0000	.0000	.1850	.9979	.9960
7600.0	-.0096	-.2082	1424.9	469.02	869.4	833.8	.0000	.0000	.1875	.9979	.9960
7500.0	-.0093	-.2049	1425.3	469.03	869.4	833.8	.0000	.0000	.1900	.9979	.9961
7400.0	-.0090	-.2015	1425.8	469.05	869.4	833.9	.0000	.0000	.1927	.9980	.9962
7300.0	-.0087	-.1982	1426.3	469.06	869.4	834.0	.0000	.0000	.1954	.9980	.9962
7200.0	-.0084	-.1949	1426.8	469.08	869.4	834.0	.0000	.0000	.1982	.9980	.9963
7100.0	-.0081	-.1916	1427.2	469.09	869.3	834.1	.0000	.0000	.2010	.9981	.9963
7000.0	-.0079	-.1883	1427.7	469.11	869.3	834.2	.0000	.0000	.2040	.9981	.9964
6900.0	-.0076	-.1850	1428.2	469.13	869.3	834.3	.0000	.0000	.2070	.9981	.9965
6800.0	-.0074	-.1817	1428.7	469.14	869.3	834.3	.0000	.0000	.2101	.9982	.9965
6700.0	-.0071	-.1785	1429.2	469.16	869.3	834.4	.0000	.0000	.2133	.9982	.9966
6600.0	-.0069	-.1752	1429.6	469.17	869.3	834.5	.0000	.0000	.2166	.9982	.9967
6500.0	-.0066	-.1720	1430.1	469.19	869.2	834.5	.0000	.0000	.2200	.9983	.9967
6400.0	-.0064	-.1687	1430.6	469.20	869.2	834.6	.0000	.0000	.2235	.9983	.9968
6300.0	-.0062	-.1655	1431.1	469.22	869.2	834.7	.0000	.0000	.2271	.9983	.9968
6200.0	-.0059	-.1623	1431.6	469.24	869.2	834.8	.0000	.0000	.2309	.9984	.9969
6100.0	-.0057	-.1591	1432.1	469.25	869.2	834.8	.0000	.0000	.2348	.9984	.9970
6000.0	-.0055	-.1559	1432.5	469.27	869.1	834.9	.0000	.0000	.2388	.9984	.9970
5900.0	-.0053	-.1527	1433.0	469.28	869.1	835.0	.0000	.0000	.2429	.9985	.9971
5800.0	-.0051	-.1496	1433.5	469.30	869.1	835.0	.0000	.0000	.2471	.9985	.9971
5700.0	-.0049	-.1465	1434.0	469.32	869.1	835.1	.0000	.0000	.2516	.9986	.9972
5600.0	-.0047	-.1434	1434.4	469.33	869.1	835.2	.0000	.0000	.2562	.9986	.9973
5500.0	-.0045	-.1399	1434.9	469.35	869.1	835.3	.0000	.0000	.2609	.9986	.9974
5400.0	-.0043	-.1367	1435.5	469.36	869.0	835.3	.0000	.0000	.2658	.9987	.9974
5300.0	-.0041	-.1335	1436.0	469.38	869.0	835.4	.0000	.0000	.2709	.9987	.9975
5200.0	-.0040	-.1303	1436.5	469.40	869.0	835.5	.0000	.0000	.2762	.9987	.9976
5100.0	-.0038	-.1272	1436.9	469.41	869.0	835.5	.0000	.0000	.2817	.9987	.9976
5000.0	-.0036	-.1240	1437.4	469.43	869.0	835.6	.0000	.0000	.2875	.9988	.9977
4900.0	-.0034	-.1208	1437.9	469.44	868.9	835.7	.0000	.0000	.2934	.9988	.9977
4800.0	-.0033	-.1176	1438.4	469.46	868.9	835.8	.0000	.0000	.2997	.9988	.9978
4700.0	-.0031	-.1144	1438.9	469.48	868.9	835.8	.0000	.0000	.3061	.9989	.9979
4600.0	-.0030	-.1112	1439.4	469.49	868.9	835.9	.0000	.0000	.3128	.9989	.9979
4500.0	-.0028	-.1080	1439.9	469.51	868.9	836.0	.0000	.0000	.3200	.9990	.9980
4400.0	-.0027	-.1048	1440.3	469.52	868.9	836.0	.0000	.0000	.3274	.9990	.9981
4300.0	-.0025	-.1016	1440.8	469.54	868.8	836.1	.0000	.0000	.3351	.9990	.9981
4200.0	-.0024	-.0984	1441.3	469.56	868.8	836.2	.0000	.0000	.3433	.9991	.9982
4100.0	-.0023	-.0951	1441.8	469.57	868.8	836.3	.0000	.0000	.3517	.9991	.9983
4000.0	-.0021	-.0919	1442.3	469.59	868.8	836.3	.0000	.0000	.3606	.9991	.9983
3900.0	-.0020	-.0887	1442.8	469.60	868.8	836.4	.0000	.0000	.3700	.9992	.9984
3800.0	-.0019	-.0854	1443.3	469.62	868.7	836.5	.0000	.0000	.3798	.9992	.9985
3700.0	-.0018	-.0821	1443.8	469.64	868.7	836.5	.0000	.0000	.3902	.9992	.9985
3600.0	-.0016	-.0788	1444.3	469.65	868.7	836.6	.0000	.0000	.4012	.9993	.9986
3500.0	-.0015	-.0755	1444.8	469.67	868.7	836.7	.0000	.0000	.4128	.9993	.9987
3400.0	-.0014	-.0722	1445.3	469.68	868.7	836.8	.0000	.0000	.4251	.9993	.9987
3300.0	-.0013	-.0688	1445.8	469.70	868.7	836.8	.0000	.0000	.4381	.9994	.9988
3200.0	-.0012	-.0655	1446.3	469.72	868.6	836.9	.0000	.0000	.4520	.9994	.9988
3100.0	-.0011	-.0621	1446.8	469.73	868.6	837.0	.0000	.0000	.4667	.9994	.9989
3000.0	-.0010	-.0587	1447.3	469.75	868.6	837.1	.0000	.0000	.4824	.9995	.9990
2900.0	-.0009	-.0552	1447.8	469.77	868.6	837.2	.0000	.0000	.4992	.9995	.9990
2800.0	-.0008	-.0517	1448.3	469.78	868.6	837.2	.0000	.0000	.5172	.9995	.9991
2700.0	-.0007	-.0482	1448.9	469.80	868.5	837.3	.0000	.0000	.5366	.9996	.9992
2600.0	-.0007	-.0447	1449.3	469.81	868.5	837.4	.0000	.0000	.5574	.9996	.9992
2500.0	-.0006	-.0411	1449.8	469.83	868.5	837.4	.0000	.0000	.5799	.9996	.9993
2400.0	-.0005	-.0374	1450.3	469.85	868.5	837.5	.0000	.0000	.6043	.9997	.9994
2300.0	-.0004	-.0338	1450.8	469.86	868.4	837.6	.0000	.0000	.6308	.9997	.9994
2200.0	-.0004	-.0301	1451.3	469.88	868.4	837.6	.0000	.0000	.6597	.9997	.9995
2100.0	-.0003	-.0263	1451.8	469.89	868.4	837.7	.0000	.0000	.6913	.9998	.9996

TABLE 2. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 470 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
2000.0	-.0003	-.0224	1452.3	469.91	868.4	837.8	.0000	.0000	.7261	.9998	.9995
1900.0	-.0002	-.0185	1452.4	469.93	868.4	837.9	.0000	.0000	.7646	.9998	.9997
1800.0	-.0002	-.0145	1453.3	469.94	868.4	837.9	.0000	.0000	.8074	.9999	.9998
1700.0	-.0001	-.0104	1453.8	469.96	868.4	838.0	.0000	.0000	.8552	.9999	.9998
1600.0	-.0001	-.0062	1136.0	458.65	513.0	797.0	.0048	.4205	.7100	.9758	.5907
1500.0	-.0000	-.0020	1078.1	456.33	466.6	788.5	.0056	.4749	.7188	.9709	.5373

TABLE 1. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 480 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	R*	T*	R*
22120.0	*******	********	1670.6	476.61	860.6	868.0	.0020	.0000	.0755	.9929	.9869
22100.0	-3.9716	-11.6851	1670.7	476.61	860.6	868.0	.0000	.0000	.0756	.9929	.9869
22000.0	-1.6411	-4.6909	1671.2	476.63	860.6	868.1	.0000	.0000	.0760	.9930	.9869
21900.0	-1.0185	-3.4039	1671.7	476.64	860.6	868.2	.0000	.0000	.0763	.9930	.9870
21800.0	-.8188	-2.9377	1672.3	476.66	860.6	868.2	.0030	.0000	.0767	.9930	.9871
21700.0	-.6967	-2.5883	1672.8	476.67	860.6	868.3	.0030	.0000	.0771	.9931	.9871
21600.0	-.6123	-2.3440	1673.4	476.69	860.5	868.4	.0000	.0000	.0775	.9931	.9872
21500.0	-.5493	-2.1601	1673.9	476.70	860.5	868.4	.0000	.0000	.0779	.9931	.9872
21400.0	-.4999	-2.0146	1674.4	476.72	860.5	868.5	.0000	.0000	.0782	.9932	.9873
21300.0	-.4598	-1.8959	1675.0	476.74	860.5	868.6	.0000	.0000	.0786	.9932	.9874
21200.0	-.4264	-1.7954	1675.5	476.75	860.5	868.6	.0000	.0000	.0790	.9933	.9874
21100.0	-.3980	-1.7094	1676.1	476.77	860.4	868.7	.0000	.0000	.0794	.9933	.9875
21000.0	-.3734	-1.6345	1676.6	476.78	860.4	868.8	.0000	.0000	.0798	.9933	.9875
20900.0	-.3518	-1.5682	1677.2	476.80	860.4	868.9	.0000	.0000	.0802	.9933	.9876
20800.0	-.3326	-1.5085	1677.7	476.81	860.4	868.9	.0000	.0000	.0807	.9934	.9877
20700.0	-.3153	-1.4543	1678.3	476.83	860.4	869.0	.0000	.0000	.0811	.9934	.9877
20600.0	-.3003	-1.4089	1678.9	476.85	860.4	869.1	.0000	.0000	.0815	.9934	.9878
20500.0	-.2863	-1.3623	1679.3	476.86	860.3	869.1	.0000	.0000	.0819	.9935	.9878
20400.0	-.2736	-1.3213	1679.9	476.88	860.3	869.2	.0000	.0000	.0823	.9935	.9879
20300.0	-.2617	-1.2832	1680.4	476.89	860.3	869.3	.0000	.0000	.0828	.9935	.9880
20200.0	-.2508	-1.2478	1681.0	476.91	860.3	869.4	.0000	.0000	.0832	.9936	.9880
20100.0	-.2407	-1.2147	1681.5	476.93	860.3	869.4	.0000	.0000	.0837	.9936	.9881
20000.0	-.2314	-1.1837	1682.1	476.94	860.2	869.5	.0000	.0000	.0841	.9936	.9881
19900.0	-.2226	-1.1546	1682.6	476.96	860.2	869.6	.0000	.0000	.0846	.9937	.9882
19800.0	-.2144	-1.1268	1683.2	476.97	860.2	869.7	.0000	.0000	.0850	.9937	.9883
19700.0	-.2067	-1.1007	1683.7	476.99	860.2	869.7	.0000	.0000	.0855	.9937	.9883
19600.0	-.1995	-1.0759	1684.3	477.00	860.2	869.8	.0000	.0000	.0859	.9938	.9884
19500.0	-.1926	-1.0523	1684.8	477.02	860.1	869.9	.0000	.0000	.0864	.9938	.9884
19400.0	-.1861	-1.0298	1685.4	477.04	860.1	869.9	.0000	.0000	.0869	.9938	.9885
19300.0	-.1800	-1.0083	1685.9	477.05	860.1	870.0	.0000	.0000	.0874	.9939	.9886
19200.0	-.1742	-.9877	1686.5	477.07	860.1	870.1	.0000	.0000	.0878	.9939	.9886
19100.0	-.1687	-.9680	1687.0	477.08	860.1	870.1	.0000	.0000	.0883	.9939	.9887
19000.0	-.1634	-.9491	1687.6	477.10	860.1	870.2	.0000	.0000	.0888	.9940	.9887
18900.0	-.1584	-.9309	1688.2	477.13	860.0	870.3	.0000	.0000	.0893	.9940	.9888
18800.0	-.1536	-.9136	1688.7	477.13	860.0	870.4	.0000	.0000	.0898	.9940	.9889
18700.0	-.1490	-.8966	1689.3	477.14	860.0	870.4	.0000	.0000	.0903	.9941	.9889
18600.0	-.1446	-.8804	1689.8	477.16	860.0	870.5	.0000	.0000	.0909	.9941	.9890
18500.0	-.1404	-.8647	1690.4	477.18	860.0	870.6	.0000	.0000	.0914	.9941	.9891
18400.0	-.1364	-.8496	1690.9	477.20	859.9	870.7	.0000	.0000	.0919	.9943	.9891
18300.0	-.1328	-.8350	1691.5	477.21	859.9	870.7	.0000	.0000	.0924	.9942	.9892
18200.0	-.1288	-.8208	1692.0	477.23	859.9	870.8	.0000	.0000	.0930	.9943	.9892
18100.0	-.1253	-.8071	1692.6	477.24	859.9	870.9	.0000	.0000	.0935	.9943	.9893
18000.0	-.1218	-.7939	1693.2	477.26	859.9	871.0	.0000	.0000	.0941	.9943	.9894
17900.0	-.1184	-.7810	1693.7	477.28	859.8	871.0	.0000	.0000	.0946	.9943	.9894
17800.0	-.1153	-.7685	1694.3	477.29	859.8	871.1	.0000	.0000	.0952	.9944	.9895
17700.0	-.1123	-.7564	1694.8	477.31	859.8	871.2	.0000	.0000	.0958	.9944	.9895
17600.0	-.1093	-.7446	1695.4	477.33	859.8	871.2	.0000	.0000	.0963	.9944	.9896
17500.0	-.1065	-.7332	1696.0	477.34	859.8	871.3	.0000	.0000	.0969	.9945	.9897
17400.0	-.1037	-.7221	1696.5	477.36	859.7	871.4	.0000	.0000	.0975	.9945	.9897
17300.0	-.1011	-.7113	1697.1	477.37	859.7	871.5	.0000	.0000	.0981	.9945	.9898
17200.0	-.0986	-.7007	1697.6	477.39	859.7	871.5	.0000	.0000	.0987	.9946	.9898
17100.0	-.0960	-.6904	1698.2	477.41	859.7	871.6	.0000	.0000	.0993	.9946	.9899
17000.0	-.0936	-.6805	1698.8	477.42	859.7	871.7	.0000	.0000	.0999	.9946	.9900
16900.0	-.0913	-.6708	1699.3	477.44	859.7	871.8	.0000	.0000	.1006	.9947	.9900
16800.0	-.0890	-.6613	1699.9	477.46	859.6	871.8	.0000	.0000	.1012	.9947	.9901
16700.0	-.0869	-.6520	1700.5	477.47	859.6	871.9	.0000	.0000	.1018	.9947	.9902
16600.0	-.0848	-.6430	1701.0	477.49	859.6	872.0	.0000	.0000	.1025	.9948	.9902
16500.0	-.0828	-.6344	1701.6	477.50	859.6	872.0	.0000	.0000	.1031	.9948	.9903
16400.0	-.0808	-.6258	1702.1	477.52	859.5	872.1	.0000	.0000	.1038	.9948	.9903
16300.0	-.0790	-.6173	1702.7	477.53	859.5	872.2	.0000	.0000	.1045	.9949	.9904
16200.0	-.0770	-.6090	1703.3	477.55	859.5	872.3	.0000	.0000	.1051	.9949	.9905
16100.0	-.0752	-.6009	1703.8	477.57	859.4	872.3	.0000	.0000	.1058	.9949	.9905
16000.0	-.0734	-.5929	1704.4	477.58	859.5	872.4	.0000	.0000	.1065	.9950	.9906
15900.0	-.0717	-.5851	1705.0	477.60	859.5	872.5	.0000	.0000	.1072	.9950	.9907
15800.0	-.0700	-.5774	1705.5	477.62	859.4	872.6	.0000	.0000	.1079	.9950	.9907
15700.0	-.0684	-.5699	1706.1	477.63	859.4	872.6	.0000	.0000	.1087	.9951	.9908
15600.0	-.0668	-.5625	1706.7	477.65	859.4	872.7	.0000	.0000	.1094	.9951	.9908
15500.0	-.0653	-.5552	1707.3	477.67	859.4	872.8	.0000	.0000	.1101	.9951	.9909
15400.0	-.0638	-.5481	1707.8	477.68	859.4	872.9	.0000	.0000	.1109	.9952	.9910
15300.0	-.0623	-.5411	1708.4	477.70	859.3	872.9	.0000	.0000	.1117	.9953	.9910
15200.0	-.0609	-.5342	1709.0	477.71	859.3	873.0	.0000	.0000	.1124	.9952	.9911
15100.0	-.0595	-.5274	1709.5	477.73	859.3	873.1	.0000	.0000	.1132	.9953	.9912
15000.0	-.0581	-.5207	1710.1	477.75	859.3	873.2	.0000	.0000	.1140	.9953	.9912
14900.0	-.0568	-.5142	1710.7	477.76	859.3	873.3	.0000	.0000	.1148	.9953	.9913
14800.0	-.0555	-.5077	1711.3	477.78	859.2	873.3	.0000	.0000	.1156	.9954	.9913
14700.0	-.0543	-.5014	1711.8	477.80	859.2	873.4	.0000	.0000	.1165	.9954	.9914
14600.0	-.0530	-.4951	1712.4	477.81	859.2	873.5	.0000	.0000	.1173	.9954	.9915
14500.0	-.0518	-.4889	1713.0	477.83	859.2	873.5	.0000	.0000	.1181	.9955	.9915
14400.0	-.0506	-.4829	1713.6	477.84	859.2	873.6	.0000	.0000	.1190	.9955	.9916
14300.0	-.0494	-.4769	1714.2	477.86	859.1	873.7	.0000	.0000	.1199	.9955	.9917
14200.0	-.0483	-.4710	1714.7	477.88	859.1	873.8	.0000	.0000	.1208	.9956	.9917
14100.0	-.0472	-.4652	1715.3	477.89	859.1	873.8	.0000	.0000	.1217	.9956	.9918
14000.0	-.0461	-.4594	1715.9	477.91	859.1	873.9	.0000	.0000	.1226	.9956	.9919
13900.0	-.0451	-.4539	1716.4	477.93	859.1	874.0	.0000	.0000	.1235	.9957	.9919
13800.0	-.0441	-.4483	1717.0	477.94	859.1	874.0	.0000	.0000	.1244	.9957	.9920
13700.0	-.0431	-.4427	1717.6	477.96	859.0	874.1	.0000	.0000	.1254	.9957	.9920
13600.0	-.0421	-.4372	1718.2	477.98	859.0	874.2	.0000	.0000	.1263	.9958	.9921
13500.0	-.0411	-.4319	1718.8	477.99	859.0	874.3	.0000	.0000	.1273	.9958	.9922
13400.0	-.0402	-.4266	1719.3	478.01	859.0	874.3	.0000	.0000	.1283	.9959	.9922
13300.0	-.0393	-.4213	1719.9	478.03	859.0	874.4	.0000	.0000	.1293	.9959	.9923
13200.0	-.0384	-.4161	1720.5	478.04	858.9	874.5	.0000	.0000	.1303	.9959	.9924
13100.0	-.0375	-.4110	1721.1	478.06	858.9	874.6	.0000	.0000	.1314	.9960	.9924
13000.0	-.0367	-.4060	1721.7	478.08	858.9	874.6	.0000	.0000	.1324	.9960	.9925
12900.0	-.0358	-.4010	1722.3	478.09	858.9	874.7	.0000	.0000	.1334	.9960	.9925
12800.0	-.0350	-.3960	1722.8	478.11	858.9	874.8	.0000	.0000	.1345	.9961	.9926
12700.0	-.0342	-.3911	1723.4	478.13	858.8	874.9	.0000	.0000	.1357	.9961	.9927
12600.0	-.0334	-.3863	1724.0	478.14	858.8	874.9	.0000	.0000	.1369	.9961	.9927
12500.0	-.0326	-.3816	1724.6	478.16	858.8	875.0	.0000	.0000	.1380	.9962	.9928
12400.0	-.0319	-.3768	1725.2	478.18	858.8	875.1	.0000	.0000	.1391	.9962	.9929
12300.0	-.0311	-.3722	1725.8	478.19	858.8	875.2	.0000	.0000	.1403	.9962	.9929
12200.0	-.0304	-.3675	1726.4	478.21	858.7	875.2	.0000	.0000	.1415	.9963	.9930
12100.0	-.0297	-.3630	1726.9	478.23	858.7	875.3	.0000	.0000	.1427	.9963	.9931

TABLE 2. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 480 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
17000.0	-.0290	-.3384	1727.5	478.24	858.7	875.4	.0000	.0000	.1440	.9963	.9931
16900.0	-.0291	-.3419	1728.4	478.29	858.7	875.5	.0000	.0000	.1452	.9964	.9933
16800.0	-.0291	-.3409	1728.4	478.29	858.7	875.5	.0000	.0000	.1465	.9964	.9933
16700.0	-.0290	-.3451	1729.3	478.29	858.6	875.5	.0000	.0000	.1478	.9964	.9933
16600.0	-.0284	-.3404	1729.9	478.31	858.6	875.7	.0000	.0000	.1491	.9965	.9934
16500.0	-.0288	-.3384	1730.5	478.33	858.6	875.8	.0000	.0000	.1505	.9965	.9934
16400.0	-.0287	-.3351	1731.1	478.34	858.6	875.9	.0000	.0000	.1518	.9965	.9935
16300.0	-.0284	-.3290	1731.6	478.35	858.5	875.9	.0000	.0000	.1532	.9966	.9936
16200.0	-.0280	-.3237	1732.3	478.38	858.5	876.0	.0000	.0000	.1545	.9966	.9936
16100.0	-.0284	-.3195	1732.8	478.39	858.5	876.1	.0000	.0000	.1561	.9966	.9937
16000.0	-.0278	-.3154	1733.4	478.41	858.5	876.2	.0000	.0000	.1576	.9967	.9938
15900.0	-.0273	-.3113	1734.0	478.43	858.5	876.3	.0000	.0000	.1591	.9967	.9938
15800.0	-.0271	-.3093	1734.6	478.44	858.5	876.3	.0000	.0000	.1606	.9968	.9939
15700.0	-.0267	-.3035	1735.2	478.46	858.4	876.4	.0000	.0000	.1622	.9968	.9940
15600.0	-.0267	-.2993	1735.8	478.48	858.4	876.5	.0000	.0000	.1638	.9968	.9940
15500.0	-.0261	-.2953	1736.4	478.49	858.4	876.5	.0000	.0000	.1654	.9969	.9941
15400.0	-.0256	-.2914	1737.0	478.51	858.4	876.6	.0000	.0000	.1670	.9969	.9942
15300.0	-.0251	-.2875	1737.6	478.53	858.4	876.7	.0000	.0000	.1687	.9969	.9942
15200.0	-.0247	-.2836	1738.2	478.54	858.3	876.8	.0000	.0000	.1704	.9970	.9943
15100.0	-.0242	-.2798	1738.8	478.56	858.3	876.8	.0000	.0000	.1722	.9970	.9944
15000.0	-.0237	-.2759	1739.4	478.58	858.3	876.9	.0000	.0000	.1739	.9970	.9944
14900.0	-.0233	-.2722	1740.0	478.60	858.3	877.0	.0000	.0000	.1757	.9971	.9945
14800.0	-.0228	-.2684	1740.6	478.61	858.3	877.1	.0000	.0000	.1776	.9971	.9946
14700.0	-.0224	-.2647	1741.2	478.63	858.2	877.2	.0000	.0000	.1795	.9971	.9946
14600.0	-.0220	-.2610	1741.8	478.64	858.2	877.2	.0000	.0000	.1814	.9972	.9947
14500.0	-.0215	-.2573	1742.4	478.66	858.2	877.3	.0000	.0000	.1834	.9972	.9947
14400.0	-.0211	-.2536	1743.0	478.68	858.2	877.4	.0000	.0000	.1854	.9973	.9948
14300.0	-.0207	-.2500	1743.5	478.70	858.1	877.5	.0000	.0000	.1875	.9973	.9949
14200.0	-.0203	-.2464	1744.1	478.71	858.1	877.5	.0000	.0000	.1896	.9973	.9949
14100.0	-.0198	-.2428	1744.8	478.73	858.1	877.6	.0000	.0000	.1919	.9974	.9950
14000.0	-.0195	-.2392	1745.4	478.75	858.1	877.7	.0000	.0000	.1939	.9974	.9951
13900.0	-.0191	-.2357	1746.0	478.76	858.1	877.8	.0000	.0000	.1962	.9974	.9951
13800.0	-.0187	-.2322	1746.6	478.78	858.0	877.8	.0000	.0000	.1984	.9974	.9952
13700.0	-.0184	-.2287	1747.2	478.80	858.0	877.9	.0000	.0000	.2004	.9975	.9953
13600.0	-.0181	-.2253	1747.8	478.81	858.0	878.0	.0000	.0000	.2027	.9975	.9953
13500.0	-.0177	-.2217	1748.4	478.83	858.0	878.1	.0000	.0000	.2057	.9976	.9954
13400.0	-.0174	-.2183	1749.0	478.84	858.0	878.2	.0000	.0000	.2082	.9976	.9955
13300.0	-.0171	-.2148	1749.7	478.87	858.0	878.3	.0000	.0000	.2108	.9976	.9955
13200.0	-.0167	-.2114	1750.3	478.88	857.9	878.3	.0000	.0000	.2134	.9977	.9956
13100.0	-.0164	-.2080	1750.9	478.90	857.9	878.4	.0000	.0000	.2162	.9977	.9957
13000.0	-.0161	-.2047	1751.5	478.92	857.9	878.5	.0000	.0000	.2189	.9977	.9957
12900.0	-.0158	-.2013	1752.1	478.93	857.9	878.5	.0000	.0000	.2218	.9978	.9958
12800.0	-.0155	-.1980	1752.7	478.95	857.9	878.6	.0000	.0000	.2247	.9978	.9959
12700.0	-.0152	-.1946	1753.3	478.97	857.8	878.7	.0000	.0000	.2277	.9978	.9959
12600.0	-.0149	-.1913	1753.9	478.98	857.8	878.8	.0000	.0000	.2308	.9979	.9960
12500.0	-.0146	-.1880	1754.5	479.00	857.8	878.9	.0000	.0000	.2339	.9979	.9961
12400.0	-.0143	-.1847	1755.2	479.03	857.8	878.9	.0000	.0000	.2372	.9980	.9961
12300.0	-.0141	-.1814	1755.8	479.04	857.8	879.0	.0000	.0000	.2408	.9980	.9962
12200.0	-.0138	-.1782	1756.4	479.05	857.7	879.1	.0000	.0000	.2439	.9980	.9963
12100.0	-.0135	-.1749	1757.0	479.07	857.7	879.2	.0000	.0000	.2475	.9981	.9963
12000.0	-.0133	-.1717	1757.6	479.09	857.7	879.3	.0000	.0000	.2511	.9981	.9964
11900.0	-.0130	-.1686	1758.2	479.11	857.7	879.3	.0000	.0000	.2548	.9981	.9965
11800.0	-.0128	-.1653	1758.8	479.12	857.7	879.4	.0000	.0000	.2587	.9982	.9965
11700.0	-.0125	-.1622	1759.5	479.14	857.6	879.5	.0000	.0000	.2626	.9982	.9966
11600.0	-.0123	-.1588	1760.1	479.16	857.6	879.6	.0000	.0000	.2667	.9982	.9967
11500.0	-.0120	-.1556	1760.7	479.17	857.6	879.6	.0000	.0000	.2709	.9983	.9967
11400.0	-.0118	-.1524	1761.3	479.19	857.6	879.7	.0000	.0000	.2752	.9983	.9968
11300.0	-.0116	-.1492	1761.9	479.21	857.5	879.8	.0000	.0000	.2797	.9984	.9969
11200.0	-.0114	-.1461	1762.5	479.23	857.5	879.9	.0000	.0000	.2843	.9984	.9970
11100.0	-.0112	-.1429	1763.2	479.24	857.5	879.9	.0000	.0000	.2890	.9984	.9970
11000.0	-.0110	-.1397	1763.8	479.26	857.5	880.0	.0000	.0000	.2940	.9985	.9971
10900.0	-.0108	-.1366	1764.4	479.28	857.5	880.1	.0000	.0000	.2991	.9985	.9972
10800.0	-.0106	-.1334	1765.0	479.30	857.4	880.2	.0000	.0000	.3043	.9985	.9972
10700.0	-.0104	-.1303	1765.7	479.31	857.4	880.3	.0000	.0000	.3098	.9986	.9973
10600.0	-.0102	-.1271	1766.3	479.33	857.4	880.3	.0000	.0000	.3154	.9986	.9974
10500.0	-.0100	-.1240	1766.9	479.35	857.4	880.4	.0000	.0000	.3213	.9986	.9974
10400.0	-.0099	-.1209	1767.5	479.36	857.4	880.5	.0000	.0000	.3273	.9987	.9975
10300.0	-.0097	-.1177	1768.2	479.38	857.3	880.5	.0000	.0000	.3336	.9987	.9976
10200.0	-.0095	-.1146	1768.8	479.40	857.3	880.6	.0000	.0000	.3402	.9987	.9976
10100.0	-.0094	-.1114	1769.4	479.42	857.3	880.7	.0000	.0000	.3469	.9988	.9977
10000.0	-.0092	-.1083	1770.0	479.43	857.3	880.8	.0000	.0000	.3540	.9988	.9978
9900.0	-.0090	-.1052	1770.7	479.44	857.2	880.9	.0000	.0000	.3614	.9988	.9978
9800.0	-.0089	-.1020	1771.3	479.47	857.2	881.0	.0000	.0000	.3690	.9989	.9979
9700.0	-.0087	-.0989	1771.9	479.49	857.2	881.1	.0000	.0000	.3770	.9989	.9980
9600.0	-.0086	-.0957	1772.5	479.50	857.2	881.1	.0000	.0000	.3853	.9990	.9980
9500.0	-.0084	-.0926	1773.2	479.52	857.2	881.2	.0000	.0000	.3940	.9990	.9981
9400.0	-.0083	-.0894	1773.8	479.54	857.2	881.3	.0000	.0000	.4031	.9990	.9982
9300.0	-.0082	-.0863	1774.4	479.56	857.1	881.4	.0000	.0000	.4127	.9991	.9982
9200.0	-.0080	-.0831	1775.1	479.57	857.1	881.5	.0000	.0000	.4226	.9991	.9983
9100.0	-.0079	-.0799	1775.7	479.59	857.1	881.5	.0000	.0000	.4331	.9991	.9984
9000.0	-.0078	-.0767	1776.3	479.61	857.1	881.6	.0000	.0000	.4441	.9992	.9985
8900.0	-.0077	-.0735	1777.0	479.63	857.0	881.7	.0000	.0000	.4558	.9992	.9984
8800.0	-.0076	-.0703	1777.6	479.64	857.0	881.8	.0000	.0000	.4678	.9993	.9986
8700.0	-.0074	-.0670	1778.2	479.66	857.0	881.8	.0000	.0000	.4805	.9993	.9987
8600.0	-.0073	-.0638	1778.9	479.68	857.0	881.9	.0000	.0000	.4941	.9993	.9987
8500.0	-.0072	-.0605	1779.5	479.70	857.0	882.0	.0000	.0000	.5084	.9994	.9988
8400.0	-.0071	-.0573	1780.2	479.71	856.9	882.1	.0000	.0000	.5236	.9994	.9989
8300.0	-.0070	-.0540	1780.8	479.73	856.9	882.2	.0000	.0000	.5396	.9994	.9990
8200.0	-.0069	-.0506	1781.4	479.75	856.9	882.2	.0000	.0000	.5567	.9995	.9990
8100.0	-.0069	-.0473	1782.1	479.77	856.9	882.3	.0000	.0000	.5749	.9995	.9991
8000.0	-.0068	-.0439	1782.7	479.79	856.9	882.4	.0000	.0000	.5943	.9996	.9992
7900.0	-.0067	-.0405	1783.4	479.80	856.8	882.5	.0000	.0000	.6149	.9996	.9992
7800.0	-.0066	-.0371	1784.0	479.82	856.8	882.6	.0000	.0000	.6371	.9996	.9993
7700.0	-.0065	-.0339	1784.6	479.84	856.8	882.7	.0000	.0000	.6610	.9997	.9994
7600.0	-.0065	-.0301	1785.3	479.86	856.8	882.7	.0000	.0000	.6866	.9997	.9994
7500.0	-.0064	-.0268	1785.9	479.87	856.8	882.8	.0000	.0000	.7144	.9997	.9995
7400.0	-.0063	-.0230	1786.5	479.89	856.7	882.9	.0000	.0000	.7444	.9998	.9996
7300.0	-.0063	-.0194	1787.2	479.91	856.7	883.0	.0000	.0000	.7770	.9998	.9996
7200.0	-.0062	-.0157	1787.8	479.93	856.7	883.1	.0000	.0000	.8127	.9999	.9997
7100.0	-.0061	-.0120	1788.5	479.94	856.7	883.1	.0000	.0000	.8517	.9999	.9998

TABLE 3. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 480 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
2000.0	-.0001	-.0082	1412.7	468.61	531.4	842.3	.0053	.3924	.7063	.9763	.6282
1900.0	-.0000	-.0043	1343.2	466.27	480.4	833.7	.0063	.4461	.7069	.9714	.5677
1800.0	-.0000	-.0004	1291.3	464.45	459.0	827.1	.0070	.4834	.7174	.9676	.5312

TABLE 7. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 490 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
22170.0	********	********	2034.1	486.38	848.8	912.5	.0000	.0000	.0920	.9926	.9863
22104.0	-3.9375	-11.4323	2034.2	486.38	848.8	912.5	.0000	.0000	.0920	.9926	.9864
22050.0	-1.4286	-4.5827	2034.9	486.40	848.8	912.6	.0000	.0000	.0925	.9927	.9864
21900.0	-1.0077	-3.4203	2035.6	486.42	848.8	912.7	.0000	.0000	.0929	.9927	.9865
21800.0	-.8094	-2.8658	2036.2	486.43	848.8	912.8	.0000	.0000	.0934	.9927	.9865
21750.0	-.6884	-2.5235	2036.9	486.45	848.8	912.8	.0000	.0000	.0939	.9928	.9866
21600.0	-.4046	-1.7843	2037.6	486.47	848.7	912.9	.0000	.0003	.0943	.9928	.9867
21500.0	-.5422	-2.1041	2038.3	486.43	848.7	913.0	.0000	.0000	.0948	.9928	.9867
21400.0	-.4093	-1.9619	2039.0	486.50	848.7	913.1	.0000	.0000	.0953	.9929	.9868
21300.0	-.4536	-1.8450	2039.7	486.52	848.7	913.2	.0000	.0000	.0958	.9929	.9869
21200.0	-.4205	-1.7469	2040.3	486.54	848.7	913.3	.0000	.0000	.0962	.9929	.9869
21100.0	-.3923	-1.6627	2041.0	486.55	848.6	913.3	.0000	.0003	.0967	.9930	.9870
21000.0	-.3680	-1.5893	2041.7	486.57	848.6	913.4	.0000	.0000	.0972	.9930	.9870
20900.0	-.3466	-1.5244	2042.4	486.59	848.6	913.5	.0000	.0000	.0977	.9930	.9871
20850.0	-.3277	-1.4663	2043.1	486.60	848.6	913.5	.0000	.0000	.0982	.9931	.9872
20700.0	-.3108	-1.4140	2043.8	486.63	848.6	913.6	.0000	.0003	.0987	.9931	.9872
20600.0	-.2955	-1.3663	2044.5	486.64	848.5	913.7	.0000	.0000	.0992	.9931	.9873
20500.0	-.2817	-1.3227	2045.2	486.66	848.5	913.8	.0000	.0000	.0998	.9932	.9874
20400.0	-.2690	-1.2824	2045.9	486.67	848.5	913.9	.0000	.0000	.1003	.9932	.9874
20300.0	-.2573	-1.2452	2046.5	486.69	848.5	913.9	.0000	.0000	.1008	.9932	.9875
20200.0	-.2466	-1.2109	2047.2	486.71	848.4	914.0	.0000	.0000	.1013	.9933	.9875
20100.0	-.2366	-1.1780	2047.9	486.73	848.4	914.1	.0000	.0000	.1019	.9933	.9876
20000.0	-.2273	-1.1476	2048.6	486.74	848.4	914.2	.0000	.0000	.1024	.9934	.9877
19900.0	-.2187	-1.1189	2049.3	486.76	848.4	914.3	.0000	.0000	.1030	.9934	.9877
19800.0	-.2106	-1.0919	2050.0	486.78	848.4	914.3	.0000	.0000	.1035	.9934	.9878
19700.0	-.2030	-1.0662	2050.7	486.79	848.3	914.4	.0000	.0000	.1041	.9935	.9879
19600.0	-.1958	-1.0419	2051.4	486.81	848.3	914.5	.0000	.0000	.1047	.9935	.9879
19500.0	-.1890	-1.0188	2052.1	486.83	848.3	914.6	.0000	.0000	.1052	.9935	.9880
19400.0	-.1826	-.9967	2052.8	486.86	848.3	914.6	.0000	.0000	.1058	.9936	.9881
19300.0	-.1766	-.9756	2053.5	486.86	848.3	914.7	.0000	.0000	.1064	.9936	.9881
19200.0	-.1708	-.9555	2054.2	486.88	848.2	914.8	.0000	.0000	.1070	.9937	.9882
19100.0	-.1653	-.9362	2054.9	486.90	848.2	914.9	.0000	.0000	.1076	.9937	.9883
19000.0	-.1601	-.9178	2055.6	486.91	848.2	915.0	.0000	.0000	.1082	.9937	.9883
18900.0	-.1552	-.9004	2056.3	486.93	848.2	915.0	.0000	.0000	.1088	.9937	.9884
18800.0	-.1504	-.8837	2057.0	486.95	848.1	915.1	.0000	.0000	.1094	.9938	.9884
18700.0	-.1459	-.8677	2057.7	486.97	848.1	915.2	.0000	.0000	.1100	.9938	.9885
18600.0	-.1416	-.8523	2058.4	486.98	848.1	915.3	.0000	.0000	.1107	.9938	.9886
18500.0	-.1374	-.8374	2059.1	487.00	848.1	915.4	.0000	.0000	.1113	.9939	.9886
18400.0	-.1334	-.8231	2059.8	487.02	848.0	915.4	.0000	.0000	.1119	.9939	.9887
18300.0	-.1296	-.8093	2060.5	487.04	848.0	915.5	.0000	.0000	.1126	.9940	.9888
18200.0	-.1260	-.7918	2061.2	487.05	848.0	915.6	.0000	.0000	.1133	.9940	.9888
18150.0	-.1224	-.7796	2061.9	487.07	848.0	915.7	.0000	.0000	.1139	.9940	.9889
18000.0	-.1191	-.7654	2062.6	487.09	848.0	915.8	.0000	.0000	.1146	.9941	.9890
17900.0	-.1158	-.7528	2063.3	487.11	848.0	915.8	.0000	.0000	.1153	.9941	.9890
17800.0	-.1127	-.7405	2064.0	487.12	847.9	915.9	.0000	.0000	.1160	.9941	.9891
17700.0	-.1096	-.7287	2064.7	487.14	847.9	916.0	.0000	.0000	.1167	.9942	.9892
17600.0	-.1067	-.7171	2065.4	487.16	847.9	916.1	.0000	.0000	.1174	.9942	.9892
17500.0	-.1039	-.7059	2066.2	487.18	847.9	916.2	.0000	.0000	.1181	.9942	.9893
17400.0	-.1012	-.6950	2066.9	487.19	847.8	916.2	.0000	.0000	.1188	.9943	.9893
17300.0	-.0986	-.6844	2067.6	487.21	847.8	916.3	.0000	.0000	.1195	.9943	.9894
17200.0	-.0960	-.6741	2068.3	487.23	847.8	916.4	.0000	.0000	.1202	.9943	.9895
17100.0	-.0936	-.6640	2069.0	487.25	847.8	916.5	.0000	.0000	.1210	.9944	.9895
17000.0	-.0912	-.6542	2069.7	487.26	847.8	916.6	.0000	.0000	.1217	.9944	.9896
16900.0	-.0889	-.6444	2070.4	487.28	847.7	916.6	.0000	.0000	.1225	.9945	.9897
16800.0	-.0867	-.6353	2071.1	487.30	847.7	916.7	.0000	.0000	.1233	.9945	.9897
16700.0	-.0846	-.6262	2071.8	487.32	847.7	916.8	.0000	.0000	.1241	.9945	.9898
16600.0	-.0825	-.6174	2072.6	487.33	847.7	916.9	.0000	.0000	.1249	.9946	.9899
16500.0	-.0805	-.6090	2073.3	487.35	847.6	917.0	.0000	.0000	.1257	.9946	.9899
16400.0	-.0786	-.6008	2074.0	487.37	847.6	917.0	.0000	.0000	.1265	.9946	.9900
16300.0	-.0767	-.5927	2074.7	487.39	847.6	917.1	.0000	.0000	.1273	.9947	.9901
16200.0	-.0749	-.5850	2075.4	487.40	847.6	917.2	.0000	.0000	.1281	.9947	.9901
16100.0	-.0731	-.5760	2076.2	487.42	847.5	917.3	.0000	.0000	.1290	.9947	.9902
16000.0	-.0713	-.5682	2076.9	487.44	847.5	917.4	.0000	.0000	.1298	.9948	.9903
15900.0	-.0696	-.5605	2077.6	487.46	847.5	917.4	.0000	.0000	.1307	.9948	.9903
15800.0	-.0680	-.5530	2078.3	487.47	847.5	917.5	.0000	.0000	.1315	.9948	.9904
15700.0	-.0664	-.5455	2079.0	487.49	847.5	917.6	.0000	.0000	.1324	.9949	.9905
15600.0	-.0648	-.5384	2079.8	487.51	847.5	917.7	.0000	.0000	.1333	.9949	.9905
15500.0	-.0633	-.5312	2080.5	487.53	847.4	917.8	.0000	.0000	.1342	.9950	.9906
15400.0	-.0618	-.5243	2081.2	487.55	847.4	917.9	.0000	.0000	.1351	.9950	.9907
15300.0	-.0604	-.5174	2081.9	487.56	847.4	917.9	.0000	.0000	.1361	.9950	.9907
15200.0	-.0590	-.5106	2082.5	487.58	847.4	918.0	.0000	.0000	.1370	.9951	.9908
15100.0	-.0576	-.5039	2083.4	487.60	847.3	918.1	.0000	.0000	.1380	.9951	.9909
15000.0	-.0563	-.4974	2084.1	487.62	847.3	918.2	.0000	.0000	.1389	.9951	.9909
14900.0	-.0549	-.4910	2084.8	487.63	847.3	918.3	.0000	.0000	.1399	.9952	.9910
14800.0	-.0537	-.4845	2085.6	487.65	847.3	918.3	.0000	.0000	.1409	.9952	.9911
14700.0	-.0524	-.4784	2086.3	487.67	847.3	918.4	.0000	.0000	.1419	.9952	.9911
14600.0	-.0512	-.4722	2087.0	487.69	847.2	918.5	.0000	.0000	.1429	.9953	.9912
14500.0	-.0500	-.4662	2087.7	487.71	847.2	918.6	.0000	.0000	.1440	.9953	.9913
14400.0	-.0489	-.4602	2088.5	487.73	847.2	918.7	.0000	.0000	.1450	.9954	.9913
14300.0	-.0478	-.4543	2089.2	487.74	847.2	918.7	.0000	.0000	.1461	.9954	.9914
14200.0	-.0466	-.4485	2089.9	487.76	847.1	918.8	.0000	.0000	.1472	.9954	.9915
14100.0	-.0456	-.4429	2090.7	487.78	847.1	918.9	.0000	.0000	.1483	.9955	.9915
14000.0	-.0445	-.4372	2091.4	487.79	847.1	919.0	.0000	.0000	.1494	.9955	.9916
13900.0	-.0435	-.4316	2092.1	487.81	847.1	919.1	.0000	.0000	.1505	.9955	.9917
13800.0	-.0425	-.4261	2092.8	487.83	847.1	919.2	.0000	.0000	.1517	.9956	.9917
13700.0	-.0415	-.4207	2093.6	487.85	847.0	919.2	.0000	.0000	.1528	.9956	.9918
13600.0	-.0405	-.4154	2094.3	487.87	847.0	919.3	.0000	.0000	.1540	.9956	.9919
13500.0	-.0396	-.4101	2095.1	487.88	847.0	919.4	.0000	.0000	.1552	.9957	.9919
13400.0	-.0387	-.4049	2095.8	487.90	847.0	919.5	.0000	.0000	.1564	.9957	.9920
13300.0	-.0378	-.3997	2096.5	487.92	846.9	919.6	.0000	.0000	.1576	.9958	.9921
13200.0	-.0369	-.3947	2097.3	487.94	846.9	919.7	.0000	.0000	.1589	.9958	.9921
13100.0	-.0361	-.3896	2098.0	487.96	846.9	919.7	.0000	.0000	.1602	.9958	.9922
13000.0	-.0352	-.3847	2098.8	487.97	846.9	919.8	.0000	.0000	.1615	.9959	.9923
12900.0	-.0344	-.3798	2099.5	487.99	846.8	919.9	.0000	.0000	.1628	.9959	.9923
12800.0	-.0336	-.3749	2100.3	488.01	846.8	920.0	.0000	.0000	.1641	.9959	.9924
12700.0	-.0328	-.3701	2101.0	488.03	846.8	920.1	.0000	.0000	.1654	.9960	.9925
12600.0	-.0320	-.3654	2101.7	488.05	846.8	920.2	.0000	.0000	.1668	.9960	.9925
12500.0	-.0313	-.3607	2102.5	488.06	846.8	920.2	.0000	.0000	.1682	.9961	.9926
12400.0	-.0306	-.3560	2103.2	488.08	846.7	920.3	.0000	.0000	.1696	.9961	.9927
12300.0	-.0298	-.3514	2104.0	488.10	846.7	920.4	.0000	.0000	.1711	.9961	.9927
12200.0	-.0291	-.3469	2104.7	488.12	846.7	920.5	.0000	.0000	.1725	.9962	.9928
12100.0	-.0284	-.3424	2105.4	488.14	846.7	920.6	.0000	.0000	.1740	.9962	.9929

TABLE 5. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 490 K)

PO KPa	XO	AO	P* KPa	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
17000.0	-.2277	-.3379	2106.2	488.16	846.7	920.7	.0000	.0000	.1755	.9947	.9930
16900.0	-.2271	-.3358	2106.9	488.17	846.6	920.7	.0000	.0000	.1771	.9943	.9930
16800.0	-.2264	-.3342	2107.7	488.19	846.6	920.8	.0000	.0000	.1786	.9943	.9931
16700.0	-.2258	-.3348	2108.4	488.21	846.6	920.9	.0000	.0000	.1802	.9943	.9932
16600.0	-.2252	-.3326	2109.2	488.23	846.6	921.0	.0000	.0000	.1818	.9944	.9933
16500.0	-.2246	-.3363	2109.9	488.25	846.5	921.1	.0000	.0000	.1835	.9944	.9933
16400.0	-.2240	-.3371	2110.7	488.26	846.5	921.2	.0000	.0000	.1851	.9945	.9934
16300.0	-.2234	-.3379	2111.4	488.28	846.5	921.2	.0000	.0000	.1869	.9945	.9934
16200.0	-.2228	-.3388	2112.2	488.30	846.5	921.3	.0000	.0000	.1886	.9945	.9935
16100.0	-.2222	-.2997	2112.9	488.32	846.4	921.4	.0000	.0000	.1904	.9946	.9936
16000.0	-.2217	-.2957	2113.7	488.34	846.4	921.5	.0000	.0000	.1922	.9946	.9936
15900.0	-.2211	-.2916	2114.4	488.36	846.4	921.6	.0000	.0000	.1940	.9946	.9937
15800.0	-.2205	-.2876	2115.2	488.37	846.4	921.7	.0000	.0000	.1959	.9947	.9938
15700.0	-.2200	-.2837	2116.0	488.39	846.4	921.7	.0000	.0000	.1978	.9947	.9938
15600.0	-.2196	-.2798	2116.7	488.41	846.3	921.8	.0000	.0000	.1997	.9948	.9939
15500.0	-.2191	-.2759	2117.5	488.43	846.3	921.9	.0000	.0000	.2017	.9948	.9940
15400.0	-.2186	-.2720	2118.3	488.45	846.3	922.0	.0000	.0000	.2037	.9949	.9941
15300.0	-.2181	-.2682	2119.0	488.47	846.3	922.1	.0000	.0000	.2057	.9949	.9941
15200.0	-.2176	-.2644	2119.8	488.48	846.2	922.1	.0000	.0000	.2078	.9949	.9942
15100.0	-.2172	-.2606	2120.5	488.50	846.2	922.2	.0000	.0000	.2100	.9949	.9943
15000.0	-.2167	-.2568	2121.3	488.52	846.2	922.3	.0000	.0000	.2121	.9950	.9943
14900.0	-.2163	-.2531	2122.0	488.54	846.1	922.4	.0000	.0000	.2143	.9950	.9944
14800.0	-.2158	-.2494	2122.8	488.56	846.1	922.5	.0000	.0000	.2166	.9951	.9945
14700.0	-.2154	-.2457	2123.6	488.58	846.1	922.6	.0000	.0000	.2189	.9951	.9945
14600.0	-.2150	-.2421	2124.3	488.59	846.1	922.7	.0000	.0000	.2213	.9951	.9946
14500.0	-.2146	-.2385	2125.1	488.61	846.1	922.8	.0000	.0000	.2237	.9952	.9947
14400.0	-.2142	-.2349	2125.9	488.63	846.1	922.8	.0000	.0000	.2262	.9952	.9948
14300.0	-.2138	-.2313	2126.6	488.65	846.0	922.9	.0000	.0000	.2287	.9952	.9948
14200.0	-.2134	-.2278	2127.4	488.67	846.0	923.0	.0000	.0000	.2312	.9953	.9949
14100.0	-.2130	-.2242	2128.2	488.69	846.0	923.1	.0000	.0000	.2339	.9953	.9950
14000.0	-.2127	-.2207	2128.9	488.70	846.0	923.2	.0000	.0000	.2365	.9954	.9950
13900.0	-.2123	-.2172	2129.7	488.72	845.9	923.3	.0000	.0000	.2393	.9954	.9951
13800.0	-.2119	-.2138	2130.5	488.74	845.9	923.3	.0000	.0000	.2421	.9954	.9952
13700.0	-.2116	-.2103	2131.2	488.76	845.9	923.4	.0000	.0000	.2450	.9955	.9952
13600.0	-.2113	-.2069	2132.0	488.78	845.9	923.5	.0000	.0000	.2479	.9955	.9953
13500.0	-.2109	-.2035	2132.8	488.80	845.8	923.6	.0000	.0000	.2509	.9955	.9954
13400.0	-.2106	-.2001	2133.6	488.82	845.8	923.7	.0000	.0000	.2540	.9956	.9955
13300.0	-.2103	-.1967	2134.3	488.83	845.8	923.8	.0000	.0000	.2571	.9956	.9955
13200.0	-.2100	-.1934	2135.1	488.85	845.8	923.9	.0000	.0000	.2604	.9957	.9956
13100.0	-.2096	-.1900	2135.9	488.87	845.8	923.9	.0000	.0000	.2637	.9957	.9957
13000.0	-.2093	-.1867	2136.7	488.89	845.7	924.0	.0000	.0000	.2671	.9957	.9957
12900.0	-.2090	-.1834	2137.4	488.91	845.7	924.1	.0000	.0000	.2706	.9958	.9958
12800.0	-.2088	-.1801	2138.2	488.93	845.7	924.2	.0000	.0000	.2741	.9958	.9959
12700.0	-.2085	-.1768	2139.0	488.95	845.7	924.3	.0000	.0000	.2778	.9959	.9960
12600.0	-.2082	-.1735	2139.8	488.97	845.6	924.4	.0000	.0000	.2816	.9959	.9960
12500.0	-.2079	-.1703	2140.6	488.98	845.6	924.5	.0000	.0000	.2854	.9959	.9961
12400.0	-.2077	-.1671	2141.3	489.00	845.6	924.5	.0000	.0000	.2894	.9960	.9962
12300.0	-.2074	-.1638	2142.1	489.02	845.6	924.6	.0000	.0000	.2934	.9960	.9962
12200.0	-.2071	-.1606	2142.9	489.04	845.5	924.7	.0000	.0000	.2976	.9960	.9963
12100.0	-.2069	-.1574	2143.7	489.06	845.5	924.8	.0000	.0000	.3019	.9961	.9964
12000.0	-.2066	-.1542	2144.5	489.08	845.5	924.9	.0000	.0000	.3064	.9961	.9965
11900.0	-.2064	-.1510	2145.3	489.10	845.5	925.0	.0000	.0000	.3109	.9962	.9965
11800.0	-.2062	-.1479	2146.0	489.12	845.5	925.1	.0000	.0000	.3156	.9962	.9966
11700.0	-.2059	-.1447	2146.8	489.13	845.4	925.2	.0000	.0000	.3204	.9963	.9967
11600.0	-.2057	-.1415	2147.6	489.15	845.4	925.2	.0000	.0000	.3254	.9963	.9967
11500.0	-.2055	-.1384	2148.4	489.17	845.4	925.3	.0000	.0000	.3305	.9963	.9968
11400.0	-.2053	-.1353	2149.2	489.19	845.4	925.4	.0000	.0000	.3358	.9963	.9969
11300.0	-.2051	-.1321	2150.0	489.21	845.3	925.5	.0000	.0000	.3413	.9964	.9970
11200.0	-.2049	-.1290	2150.8	489.23	845.3	925.6	.0000	.0000	.3469	.9964	.9970
11100.0	-.2047	-.1259	2151.6	489.25	845.3	925.7	.0000	.0000	.3527	.9965	.9971
11000.0	-.2045	-.1228	2152.4	489.27	845.3	925.8	.0000	.0000	.3587	.9965	.9972
10900.0	-.2043	-.1197	2153.2	489.29	845.2	925.8	.0000	.0000	.3649	.9965	.9972
10800.0	-.2041	-.1166	2154.0	489.30	845.2	925.9	.0000	.0000	.3714	.9966	.9973
10700.0	-.2039	-.1135	2154.8	489.32	845.2	926.0	.0000	.0000	.3780	.9966	.9974
10600.0	-.2037	-.1104	2155.5	489.34	845.2	926.1	.0000	.0000	.3849	.9967	.9975
10500.0	-.2036	-.1073	2156.3	489.36	845.1	926.2	.0000	.0000	.3921	.9967	.9975
10400.0	-.2034	-.1042	2157.1	489.38	845.1	926.3	.0000	.0000	.3995	.9967	.9976
10300.0	-.2032	-.1011	2157.9	489.40	845.1	926.4	.0000	.0000	.4073	.9968	.9977
10200.0	-.2031	-.0980	2158.7	489.42	845.1	926.5	.0000	.0000	.4153	.9968	.9978
10100.0	-.2029	-.0949	2159.5	489.44	845.1	926.5	.0000	.0000	.4234	.9969	.9978
10000.0	-.2028	-.0918	2160.3	489.46	845.0	926.6	.0000	.0000	.4321	.9969	.9979
9900.0	-.2026	-.0887	2161.1	489.48	845.0	926.7	.0000	.0000	.4410	.9969	.9980
9800.0	-.2025	-.0856	2161.9	489.50	845.0	926.8	.0000	.0000	.4504	.9969	.9981
9700.0	-.2023	-.0825	2162.7	489.51	845.0	926.9	.0000	.0000	.4602	.9969	.9981
9600.0	-.2022	-.0794	2163.6	489.53	844.9	927.0	.0000	.0000	.4703	.9970	.9982
9500.0	-.2020	-.0763	2164.4	489.55	844.9	927.1	.0000	.0000	.4810	.9971	.9983
9400.0	-.2019	-.0732	2165.2	489.57	844.9	927.2	.0000	.0000	.4921	.9971	.9983
9300.0	-.2018	-.0701	2166.0	489.59	844.9	927.3	.0000	.0000	.5037	.9972	.9984
9200.0	-.2017	-.0670	2166.9	489.61	844.8	927.3	.0000	.0000	.5159	.9972	.9985
9100.0	-.2016	-.0638	2167.7	489.63	844.8	927.4	.0000	.0000	.5287	.9972	.9986
9000.0	-.2014	-.0607	2168.4	489.65	844.8	927.5	.0000	.0000	.5421	.9973	.9986
8900.0	-.2013	-.0575	2169.2	489.67	844.8	927.6	.0000	.0000	.5562	.9973	.9987
8800.0	-.2012	-.0544	2170.0	489.69	844.7	927.7	.0000	.0000	.5711	.9974	.9988
8700.0	-.2011	-.0512	2170.8	489.71	844.7	927.8	.0000	.0000	.5867	.9974	.9989
8600.0	-.2010	-.0480	2171.6	489.73	844.7	927.9	.0000	.0000	.6032	.9974	.9989
8500.0	-.2009	-.0448	2172.5	489.74	844.7	928.0	.0000	.0000	.6207	.9975	.9990
8400.0	-.2008	-.0415	2173.3	489.76	844.6	928.0	.0000	.0000	.6397	.9975	.9991
8300.0	-.2007	-.0383	2174.1	489.78	844.6	928.1	.0000	.0000	.6588	.9976	.9992
8200.0	-.2007	-.0350	2174.9	489.80	844.6	928.2	.0000	.0000	.6797	.9976	.9992
8100.0	-.2006	-.0317	2175.7	489.82	844.6	928.3	.0000	.0000	.7018	.9976	.9993
8000.0	-.2005	-.0284	2176.5	489.84	844.5	928.4	.0000	.0000	.7255	.9977	.9994
7900.0	-.2004	-.0251	2177.4	489.85	844.5	928.5	.0000	.0000	.7504	.9977	.9995
7800.0	-.2004	-.0219	2178.2	489.87	844.5	928.6	.0000	.0000	.7770	.9978	.9995
7700.0	-.2003	-.0185	2179.0	489.90	844.5	928.7	.0000	.0000	.8070	.9978	.9996
7600.0	-.2002	-.0148	2179.8	489.92	844.4	928.8	.0000	.0000	.8384	.9978	.9997
7500.0	-.2002	-.0113	1775.3	472.57	766.6	891.8	.0054	.3425	.7100	.9787	.9708
7400.0	-.2001	-.0078	1641.0	474.91	716.0	892.1	.0046	.4042	.7004	.9733	.9700
7300.0	-.2001	-.0042	1614.4	474.95	682.5	878.0	.0075	.4448	.7019	.9693	.9714
7200.0	-.2000	-.0006	1580.9	473.33	656.9	860.1	.0082	.4758	.7095	.9660	.9717

TABLE 2. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 500 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
22120.0	********	********	2455.7	496.14	836.5	957.6	.0000	.0000	.1110	.9923	.9858
22100.0	-3.9008	-11.1679	2455.9	496.15	836.5	957.6	.0000	.0000	.1111	.9923	.9858
22000.0	-1.4130	-4.4695	2456.7	496.17	836.5	957.7	.0000	.0000	.1117	.9923	.9858
21900.0	-.9958	-3.3328	2457.6	496.19	836.5	957.7	.0000	.0000	.1123	.9924	.9859
21800.0	-.7903	-2.7906	2458.4	496.20	836.4	957.8	.0000	.0000	.1128	.9924	.9860
21700.0	-.6704	-2.4559	2459.3	496.22	836.4	957.9	.0000	.0000	.1133	.9924	.9860
21600.0	-.5965	-2.2219	2460.1	496.24	836.4	958.0	.0000	.0000	.1139	.9925	.9861
21500.0	-.5346	-2.0457	2461.0	496.26	836.4	958.1	.0000	.0000	.1145	.9925	.9862
21400.0	-.4862	-1.9063	2461.9	496.28	836.4	958.2	.0000	.0000	.1150	.9926	.9862
21300.0	-.4469	-1.7922	2462.7	496.30	836.3	958.3	.0000	.0000	.1156	.9926	.9863
21200.0	-.4141	-1.6963	2463.6	496.31	836.3	958.3	.0000	.0000	.1162	.9926	.9864
21100.0	-.3862	-1.6139	2464.4	496.33	836.3	958.4	.0000	.0000	.1168	.9927	.9864
21000.0	-.3621	-1.5421	2465.3	496.35	836.3	958	.0000	.0000	.1174	.9927	.9865
20900.0	-.3410	-1.4785	2466.2	496.37	836.2	958	.0000	.0000	.1180	.9927	.9866
20800.0	-.3223	-1.4218	2467.0	496.39	836.2	958.7	.0000	.0000	.1186	.9928	.9866
20700.0	-.3055	-1.3705	2467.9	496.41	836.2	958.8	.0000	.0000	.1192	.9928	.9867
20600.0	-.2904	-1.3239	2468.8	496.43	836.2	958.9	.0000	.0000	.1198	.9929	.9868
20500.0	-.2767	-1.2812	2469.6	496.44	836.1	958.9	.0000	.0000	.1205	.9929	.9868
20400.0	-.2642	-1.2418	2470.5	496.46	836.1	959.0	.0000	.0000	.1211	.9929	.9869
20300.0	-.2527	-1.2053	2471.4	496.48	836.1	959.1	.0000	.0000	.1217	.9930	.9870
20200.0	-.2420	-1.1714	2472.2	496.50	836.1	959.1	.0000	.0000	.1224	.9930	.9870
20100.0	-.2322	-1.1396	2473.1	496.52	836.0	959.2	.0000	.0000	.1230	.9930	.9871
20000.0	-.2230	-1.1098	2474.0	496.54	836.0	959.4	.0000	.0000	.1237	.9931	.9872
19900.0	-.2144	-1.0818	2474.9	496.56	836.0	959.5	.0000	.0000	.1244	.9931	.9872
19800.0	-.2064	-1.0553	2475.7	496.57	836.0	959.6	.0000	.0000	.1250	.9931	.9873
19700.0	-.1989	-1.0302	2476.6	496.59	835.9	959.6	.0000	.0000	.1257	.9932	.9873
19600.0	-.1918	-1.0064	2477.5	496.61	835.9	959.7	.0000	.0000	.1264	.9932	.9874
19500.0	-.1851	-.9837	2478.4	496.63	835.9	959.8	.0000	.0000	.1271	.9933	.9875
19400.0	-.1788	-.9621	2479.2	496.65	835.9	959.9	.0000	.0000	.1278	.9933	.9876
19300.0	-.1728	-.9414	2480.1	496.67	835.8	960.0	.0000	.0000	.1285	.9933	.9876
19200.0	-.1671	-.9216	2481.0	496.69	835.8	960.1	.0000	.0000	.1292	.9934	.9877
19100.0	-.1617	-.9028	2481.9	496.71	835.8	960.2	.0000	.0000	.1299	.9934	.9878
19000.0	-.1566	-.8847	2482.7	496.72	835.8	960.3	.0000	.0000	.1307	.9934	.9879
18900.0	-.1517	-.8672	2483.6	496.74	835.7	960.3	.0000	.0000	.1314	.9935	.9879
18800.0	-.1470	-.8503	2484.5	496.76	835.7	960.4	.0000	.0000	.1322	.9935	.9880
18700.0	-.1426	-.8340	2485.4	496.78	835.7	960.5	.0000	.0000	.1329	.9936	.9881
18600.0	-.1383	-.8182	2486.3	496.80	835.7	960.6	.0000	.0000	.1337	.9936	.9881
18500.0	-.1342	-.8027	2487.2	496.82	835.7	960.7	.0000	.0000	.1344	.9936	.9882
18400.0	-.1303	-.7878	2488.0	496.84	835.6	960.8	.0000	.0000	.1352	.9937	.9883
18300.0	-.1265	-.7731	2488.9	496.86	835.6	960.9	.0000	.0000	.1360	.9937	.9883
18200.0	-.1229	-.7589	2489.8	496.88	835.6	961.0	.0000	.0000	.1368	.9938	.9884
18100.0	-.1194	-.7451	2490.7	496.89	835.6	961.0	.0000	.0000	.1376	.9938	.9885
18000.0	-.1161	-.7316	2491.6	496.91	835.5	961.1	.0000	.0000	.1384	.9938	.9885
17900.0	-.1128	-.7185	2492.5	496.93	835.5	961.2	.0000	.0000	.1392	.9939	.9886
17800.0	-.1098	-.7058	2493.4	496.95	835.4	961.3	.0000	.0000	.1401	.9939	.9887
17700.0	-.1068	-.6934	2494.3	496.97	835.5	961.4	.0000	.0000	.1409	.9939	.9887
17600.0	-.1039	-.6813	2495.1	496.99	835.4	961.5	.0000	.0000	.1418	.9940	.9888
17500.0	-.1011	-.6695	2496.0	497.01	835.4	961.6	.0000	.0000	.1426	.9940	.9889
17400.0	-.0985	-.6580	2496.9	497.03	835.4	961.7	.0000	.0000	.1435	.9941	.9890
17300.0	-.0959	-.6467	2497.8	497.05	835.4	961.7	.0000	.0000	.1444	.9941	.9890
17200.0	-.0934	-.6357	2498.7	497.07	835.3	961.8	.0000	.0000	.1453	.9941	.9891
17100.0	-.0910	-.6250	2499.6	497.08	835.3	961.9	.0000	.0000	.1462	.9942	.9892
17000.0	-.0887	-.6145	2500.5	497.10	835.3	962.0	.0000	.0000	.1471	.9942	.9892
16900.0	-.0864	-.6043	2501.4	497.12	835.3	962.0	.0000	.0000	.1480	.9942	.9893
16800.0	-.0842	-.5942	2502.3	497.14	835.2	962.1	.0000	.0000	.1489	.9943	.9894
16700.0	-.0821	-.5843	2503.2	497.16	835.2	962.2	.0000	.0000	.1499	.9943	.9894
16600.0	-.0801	-.5745	2504.1	497.18	835.2	962.3	.0000	.0000	.1509	.9944	.9895
16500.0	-.0781	-.5649	2505.0	497.20	835.2	962.4	.0000	.0000	.1518	.9944	.9896
16400.0	-.0762	-.5554	2505.9	497.22	835.1	962.5	.0000	.0000	.1528	.9944	.9896
16300.0	-.0744	-.5459	2506.8	497.24	835.1	962.6	.0000	.0000	.1538	.9945	.9897
16200.0	-.0725	-.5370	2507.7	497.26	835.1	962.7	.0000	.0000	.1548	.9945	.9898
16100.0	-.0708	-.5280	2508.6	497.28	835.1	962.8	.0000	.0000	.1558	.9946	.9899
16000.0	-.0691	-.5192	2509.5	497.30	835.0	962.9	.0000	.0000	.1568	.9946	.9899
15900.0	-.0674	-.5104	2510.4	497.31	835.0	963.0	.0000	.0000	.1579	.9946	.9900
15800.0	-.0658	-.5019	2511.4	497.33	835.0	963.1	.0000	.0000	.1589	.9947	.9901
15700.0	-.0642	-.4932	2512.3	497.35	835.0	963.2	.0000	.0000	.1600	.9947	.9901
15600.0	-.0627	-.4851	2513.2	497.37	834.9	963.3	.0000	.0000	.1611	.9947	.9902
15500.0	-.0612	-.4769	2514.1	497.39	834.9	963.4	.0000	.0000	.1622	.9948	.9903
15400.0	-.0598	-.4689	2515.0	497.41	834.9	963.4	.0000	.0000	.1633	.9948	.9904
15300.0	-.0583	-.4609	2515.9	497.43	834.9	963.5	.0000	.0000	.1644	.9949	.9904
15200.0	-.0569	-.4529	2516.8	497.45	834.8	963.6	.0000	.0000	.1656	.9949	.9905
15100.0	-.0556	-.4453	2517.7	497.47	834.8	963.7	.0000	.0000	.1667	.9949	.9906
15000.0	-.0543	-.4379	2518.5	497.49	834.8	963.8	.0000	.0000	.1679	.9950	.9906
14900.0	-.0530	-.4306	2519.4	497.51	834.8	963.9	.0000	.0000	.1691	.9950	.9907
14800.0	-.0517	-.4234	2520.3	497.53	834.7	964.0	.0000	.0000	.1703	.9951	.9908
14700.0	-.0505	-.4163	2521.2	497.55	834.7	964.1	.0000	.0000	.1715	.9951	.9908
14600.0	-.0493	-.4092	2522.1	497.57	834.7	964.2	.0000	.0000	.1728	.9951	.9909
14500.0	-.0482	-.4023	2523.2	497.59	834.7	964.3	.0000	.0000	.1740	.9952	.9910
14400.0	-.0470	-.3954	2524.1	497.60	834.6	964.3	.0000	.0000	.1753	.9952	.9911
14300.0	-.0459	-.3887	2525.0	497.62	834.6	964.4	.0000	.0000	.1766	.9952	.9911
14200.0	-.0449	-.3820	2525.9	497.64	834.6	964.5	.0000	.0000	.1779	.9953	.9912
14100.0	-.0438	-.3754	2526.9	497.66	834.6	964.6	.0000	.0000	.1792	.9953	.9913
14000.0	-.0428	-.3688	2527.8	497.68	834.5	964.7	.0000	.0000	.1806	.9954	.9913
13900.0	-.0418	-.3624	2528.8	497.70	834.5	964.8	.0000	.0000	.1819	.9954	.9914
13800.0	-.0408	-.3560	2529.7	497.72	834.5	964.9	.0000	.0000	.1833	.9954	.9914
13700.0	-.0398	-.3497	2530.6	497.74	834.5	965.0	.0000	.0000	.1847	.9955	.9915
13600.0	-.0389	-.3434	2531.6	497.75	834.4	965.1	.0000	.0000	.1861	.9955	.9916
13500.0	-.0380	-.3373	2532.5	497.77	834.4	965.2	.0000	.0000	.1876	.9956	.9917
13400.0	-.0371	-.3312	2533.4	497.79	834.4	965.3	.0000	.0000	.1891	.9956	.9918
13300.0	-.0362	-.3251	2534.4	497.81	834.4	965.3	.0000	.0000	.1906	.9956	.9919
13200.0	-.0353	-.3191	2535.3	497.83	834.3	965.4	.0000	.0000	.1921	.9957	.9919
13100.0	-.0345	-.3132	2536.2	497.86	834.3	965.5	.0000	.0000	.1936	.9957	.9920
13000.0	-.0337	-.3073	2537.1	497.88	834.3	965.6	.0000	.0000	.1952	.9958	.9921
12900.0	-.0329	-.3015	2538.1	497.90	834.3	965.7	.0000	.0000	.1968	.9958	.9921
12800.0	-.0321	-.2957	2539.0	497.92	834.2	965.8	.0000	.0000	.1984	.9958	.9922
12700.0	-.0313	-.2900	2540.0	497.94	834.2	965.9	.0000	.0000	.2000	.9959	.9923
12600.0	-.0306	-.2843	2540.9	497.96	834.2	966.0	.0000	.0000	.2017	.9959	.9924
12500.0	-.0298	-.2787	2541.8	497.98	834.1	966.1	.0000	.0000	.2033	.9960	.9924
12400.0	-.0291	-.2732	2542.8	498.00	834.1	966.2	.0000	.0000	.2051	.9960	.9925
12300.0	-.0284	-.2677	2543.7	498.02	834.1	966.3	.0000	.0000	.2068	.9960	.9926
12200.0	-.0277	-.2622	2544.7	498.04	834.1	966.4	.0000	.0000	.2085	.9961	.9926
12100.0	-.0270	-.2568	2545.6	498.06	834.0	966.4	.0000	.0000	.2104	.9961	.9927

TABLE 7.4 SUBCOOLED CRITICAL STATE PROPERTIES

(TO 500 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
12000.0	-.0264	-.3154	2546.5	498.08	834.0	966.5	.0000	.0000	.2122	.9962	.9928
11900.0	-.0257	-.3131	2547.5	498.10	834.0	966.6	.0000	.0000	.2141	.9963	.9929
11800.0	-.0251	-.3078	2548.6	498.12	834.0	966.7	.0000	.0000	.2160	.9963	.9929
11700.0	-.0245	-.3015	2549.6	498.14	833.9	966.8	.0000	.0000	.2179	.9963	.9930
11600.0	-.0239	-.2989	2550.3	498.16	833.9	966.9	.0000	.0000	.2199	.9963	.9931
11500.0	-.0233	-.2952	2551.1	498.17	833.9	967.0	.0000	.0000	.2219	.9963	.9932
11400.0	-.0227	-.2910	2551.9	498.19	833.9	967.1	.0000	.0000	.2239	.9964	.9932
11300.0	-.0221	-.2869	2552.7	498.21	833.8	967.2	.0000	.0000	.2259	.9964	.9933
11200.0	-.0216	-.2829	2553.4	498.23	833.8	967.3	.0000	.0000	.2280	.9965	.9934
11100.0	-.0210	-.2789	2554.1	498.25	833.8	967.4	.0000	.0000	.2302	.9965	.9935
11000.0	-.0205	-.2749	2556.0	498.27	833.7	967.5	.0000	.0000	.2324	.9965	.9935
10900.0	-.0199	-.2709	2557.0	498.29	833.7	967.6	.0000	.0000	.2346	.9966	.9936
10800.0	-.0194	-.2670	2558.0	498.31	833.7	967.6	.0000	.0000	.2368	.9966	.9937
10700.0	-.0189	-.2631	2558.9	498.33	833.7	967.7	.0000	.0000	.2392	.9967	.9938
10600.0	-.0184	-.2593	2559.9	498.34	833.7	967.8	.0000	.0000	.2415	.9967	.9938
10500.0	-.0179	-.2554	2560.8	498.37	833.6	967.9	.0000	.0000	.2439	.9967	.9939
10400.0	-.0175	-.2516	2561.8	498.39	833.6	968.0	.0000	.0000	.2463	.9968	.9940
10300.0	-.0170	-.2479	2562.7	498.41	833.6	968.1	.0000	.0000	.2488	.9968	.9940
10200.0	-.0165	-.2441	2563.7	498.43	833.6	968.2	.0000	.0000	.2513	.9969	.9941
10100.0	-.0161	-.2404	2564.7	498.45	833.5	968.3	.0000	.0000	.2539	.9969	.9942
10000.0	-.0157	-.2367	2565.6	498.47	833.5	968.4	.0000	.0000	.2566	.9969	.9943
9900.0	-.0152	-.2331	2566.6	498.49	833.5	968.5	.0000	.0000	.2593	.9970	.9943
9800.0	-.0148	-.2294	2567.6	498.52	833.4	968.6	.0000	.0000	.2620	.9970	.9944
9700.0	-.0144	-.2258	2568.5	498.54	833.4	968.7	.0000	.0000	.2648	.9971	.9945
9600.0	-.0140	-.2223	2569.5	498.56	833.4	968.8	.0000	.0000	.2677	.9971	.9946
9500.0	-.0136	-.2187	2570.5	498.58	833.4	968.9	.0000	.0000	.2706	.9972	.9946
9400.0	-.0132	-.2152	2571.4	498.60	833.3	969.0	.0000	.0000	.2736	.9972	.9947
9300.0	-.0128	-.2117	2572.4	498.62	833.3	969.1	.0000	.0000	.2766	.9973	.9948
9200.0	-.0124	-.2082	2573.4	498.64	833.3	969.1	.0000	.0000	.2797	.9973	.9949
9100.0	-.0121	-.2047	2574.4	498.66	833.3	969.2	.0000	.0000	.2829	.9973	.9949
9000.0	-.0117	-.2012	2575.3	498.68	833.2	969.3	.0000	.0000	.2861	.9974	.9950
8900.0	-.0114	-.1978	2576.3	498.70	833.2	969.4	.0000	.0000	.2894	.9974	.9951
8800.0	-.0110	-.1944	2577.3	498.72	833.2	969.5	.0000	.0000	.2929	.9974	.9951
8700.0	-.0107	-.1910	2578.3	498.74	833.2	969.6	.0000	.0000	.2964	.9975	.9952
8600.0	-.0104	-.1876	2579.2	498.76	833.1	969.7	.0000	.0000	.2999	.9975	.9953
8500.0	-.0100	-.1843	2580.2	498.78	833.1	969.8	.0000	.0000	.3036	.9976	.9954
8400.0	-.0097	-.1810	2581.2	498.80	833.1	969.9	.0000	.0000	.3074	.9976	.9954
8300.0	-.0094	-.1776	2582.2	498.82	833.0	970.0	.0000	.0000	.3111	.9976	.9954
8200.0	-.0091	-.1743	2583.2	498.84	833.0	970.1	.0000	.0000	.3150	.9977	.9956
8100.0	-.0088	-.1711	2584.1	498.86	833.0	970.2	.0000	.0000	.3190	.9977	.9957
8000.0	-.0085	-.1678	2585.1	498.88	833.0	970.3	.0000	.0000	.3231	.9978	.9958
7900.0	-.0082	-.1644	2586.1	498.90	832.9	970.4	.0000	.0000	.3274	.9978	.9959
7800.0	-.0080	-.1613	2587.1	498.92	832.9	970.5	.0000	.0000	.3317	.9978	.9959
7700.0	-.0077	-.1581	2588.1	498.94	832.9	970.6	.0000	.0000	.3361	.9979	.9960
7600.0	-.0074	-.1548	2589.1	498.95	832.9	970.7	.0000	.0000	.3407	.9979	.9961
7500.0	-.0072	-.1517	2590.1	498.97	832.8	970.8	.0000	.0000	.3453	.9980	.9962
7400.0	-.0069	-.1485	2591.1	499.00	832.8	970.9	.0000	.0000	.3501	.9980	.9962
7300.0	-.0067	-.1453	2592.1	499.02	832.8	971.0	.0000	.0000	.3551	.9980	.9963
7200.0	-.0064	-.1422	2593.1	499.04	832.8	971.0	.0000	.0000	.3601	.9981	.9964
7100.0	-.0062	-.1390	2594.1	499.05	832.7	971.1	.0000	.0000	.3654	.9981	.9965
7000.0	-.0059	-.1358	2595.1	499.09	832.7	971.2	.0000	.0000	.3707	.9982	.9966
6900.0	-.0057	-.1327	2596.1	499.11	832.7	971.3	.0000	.0000	.3762	.9982	.9966
6800.0	-.0054	-.1296	2597.1	499.13	832.6	971.4	.0000	.0000	.3819	.9983	.9967
6700.0	-.0051	-.1265	2598.1	499.15	832.6	971.5	.0000	.0000	.3878	.9983	.9968
6600.0	-.0051	-.1234	2599.1	499.17	832.6	971.6	.0000	.0000	.3938	.9983	.9969
6500.0	-.0048	-.1203	2600.1	499.19	832.6	971.7	.0000	.0000	.4000	.9984	.9969
6400.0	-.0046	-.1172	2601.1	499.21	832.5	971.8	.0000	.0000	.4064	.9984	.9970
6300.0	-.0044	-.1143	2602.1	499.23	832.5	971.9	.0000	.0000	.4130	.9985	.9971
6200.0	-.0042	-.1113	2603.1	499.24	832.4	972.0	.0000	.0000	.4198	.9985	.9972
6100.0	-.0041	-.1080	2604.1	499.27	832.5	972.1	.0000	.0000	.4269	.9986	.9973
6000.0	-.0039	-.1049	2605.1	499.29	832.4	972.2	.0000	.0000	.4342	.9986	.9973
5900.0	-.0037	-.1019	2606.1	499.31	832.4	972.3	.0000	.0000	.4417	.9986	.9974
5800.0	-.0035	-.0988	2607.1	499.33	832.4	972.4	.0000	.0000	.4494	.9987	.9975
5700.0	-.0033	-.0958	2608.1	499.35	832.3	972.5	.0000	.0000	.4574	.9987	.9976
5600.0	-.0032	-.0927	2609.1	499.38	832.3	972.6	.0000	.0000	.4659	.9988	.9976
5500.0	-.0030	-.0897	2610.1	499.40	832.3	972.7	.0000	.0000	.4744	.9988	.9977
5400.0	-.0028	-.0866	2611.1	499.42	832.3	972.8	.0000	.0000	.4835	.9988	.9978
5300.0	-.0027	-.0836	2612.1	499.44	832.2	972.9	.0000	.0000	.4929	.9989	.9979
5200.0	-.0026	-.0805	2613.1	499.46	832.2	973.0	.0000	.0000	.5025	.9989	.9980
5100.0	-.0024	-.0775	2614.2	499.48	832.2	973.1	.0000	.0000	.5126	.9990	.9980
5000.0	-.0023	-.0745	2615.2	499.50	832.2	973.2	.0000	.0000	.5230	.9990	.9981
4900.0	-.0021	-.0714	2616.2	499.52	832.1	973.3	.0000	.0000	.5339	.9990	.9981
4800.0	-.0020	-.0684	2617.3	499.54	832.1	973.4	.0000	.0000	.5453	.9991	.9982
4700.0	-.0019	-.0653	2618.3	499.56	832.1	973.5	.0000	.0000	.5571	.9991	.9983
4600.0	-.0017	-.0623	2619.3	499.58	832.0	973.6	.0000	.0000	.5694	.9992	.9984
4500.0	-.0016	-.0592	2620.3	499.61	832.0	973.7	.0000	.0000	.5823	.9992	.9985
4400.0	-.0014	-.0561	2621.4	499.63	832.0	973.8	.0000	.0000	.5958	.9993	.9986
4300.0	-.0014	-.0531	2622.4	499.65	831.9	973.9	.0000	.0000	.6099	.9993	.9987
4200.0	-.0013	-.0500	2623.4	499.67	831.9	974.0	.0000	.0000	.6246	.9993	.9987
4100.0	-.0012	-.0469	2624.4	499.69	831.9	974.1	.0000	.0000	.6401	.9994	.9988
4000.0	-.0011	-.0438	2625.5	499.71	831.9	974.2	.0000	.0000	.6564	.9994	.9989
3900.0	-.0010	-.0407	2626.5	499.73	831.8	974.3	.0000	.0000	.6735	.9995	.9990
3800.0	-.0009	-.0376	2627.5	499.75	831.8	974.4	.0000	.0000	.6915	.9995	.9991
3700.0	-.0008	-.0344	2628.6	499.77	831.8	974.5	.0000	.0000	.7104	.9995	.9991
3600.0	-.0007	-.0313	2629.6	499.80	831.8	974.6	.0000	.0000	.7304	.9996	.9992
3500.0	-.0006	-.0281	2630.6	499.82	831.7	974.7	.0000	.0000	.7516	.9996	.9993
3400.0	-.0005	-.0250	2631.7	499.84	831.7	974.8	.0000	.0000	.7740	.9997	.9994
3300.0	-.0004	-.0218	2632.7	499.86	831.7	974.9	.0000	.0000	.7978	.9997	.9995
3200.0	-.0004	-.0187	2633.8	499.88	831.7	975.0	.0000	.0000	.8231	.9998	.9995
3100.0	-.0003	-.0155	2634.8	499.90	831.6	975.1	.0000	.0000	.8499	.9998	.9996
3000.0	-.0002	-.0123	2110.0	483.25	554.3	933.5	.0097	.3495	.7033	.9765	.6664
2900.0	-.0002	-.0087	2014.5	485.39	515.6	925.9	.0074	.3977	.6960	.9770	.6199
2800.0	-.0001	-.0054	1948.2	484.20	487.3	919.0	.0067	.4337	.6958	.9784	.5859
2700.0	-.0000	-.0020	1890.0	482.44	464.8	913.5	.0094	.4604	.7000	.9654	.5590

TABLE 7. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 510 K)

PO KPA	XO	AO	P* KPA	T* K	D* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
22170.0	********	********	2941.6	505.90	823.6	1003.2	.0000	.0000	.1330	.9920	.9851
22100.0	-1.8613	-10.8912	2941.6	505.90	823.6	1003.2	.0000	.0000	.1331	.9920	.9851
22000.0	-1.3963	-4.3512	2942.7	505.92	823.6	1003.3	.0000	.0000	.1338	.9920	.9852
21900.0	-1.0830	-3.0415	2943.8	505.94	823.6	1003.4	.0000	.0000	.1344	.9920	.9853
21800.0	-.7885	-2.3118	2944.9	505.96	823.5	1003.5	.0000	.0000	.1351	.9921	.9854
21700.0	-.6698	-2.1860	2945.9	505.98	823.5	1003.6	.0000	.0000	.1358	.9921	.9854
21600.0	-.5874	-2.1565	2947.0	506.00	823.5	1003.7	.0000	.0000	.1364	.9922	.9855
21500.0	-.5264	-1.9844	2948.1	506.02	823.5	1003.8	.0000	.0000	.1371	.9922	.9856
21400.0	-.4785	-1.8494	2949.2	506.05	823.4	1003.9	.0000	.0000	.1378	.9923	.9856
21300.0	-.4306	-1.7140	2950.3	506.07	823.4	1004.0	.0000	.0000	.1385	.9923	.9857
21200.0	-.4072	-1.6432	2951.3	506.09	823.4	1004.1	.0000	.0000	.1392	.9923	.9858
21100.0	-.3796	-1.5627	2952.4	506.11	823.3	1004.2	.0000	.0000	.1399	.9924	.9859
21000.0	-.3558	-1.4926	2953.6	506.13	823.3	1004.3	.0000	.0000	.1406	.9924	.9859
20900.0	-.3340	-1.4305	2954.7	506.15	823.3	1004.4	.0000	.0000	.1414	.9924	.9860
20800.0	-.3164	-1.3750	2955.8	506.17	823.2	1004.5	.0000	.0000	.1421	.9925	.9861
20700.0	-.3009	-1.3254	2956.9	506.19	823.2	1004.6	.0000	.0000	.1428	.9925	.9861
20600.0	-.2849	-1.2794	2957.8	506.21	823.2	1004.7	.0000	.0000	.1436	.9926	.9862
20520.0	-.2714	-1.2377	2958.9	506.23	823.2	1004.7	.0000	.0000	.1443	.9926	.9863
20400.0	-.2590	-1.1997	2959.9	506.25	823.1	1004.8	.0000	.0000	.1451	.9926	.9864
20300.0	-.2476	-1.1636	2961.0	506.27	823.1	1004.9	.0000	.0000	.1458	.9927	.9864
20200.0	-.2371	-1.1304	2962.1	506.29	823.1	1005.0	.0000	.0000	.1466	.9927	.9865
20100.0	-.2274	-1.0994	2963.2	506.31	823.1	1004.1	.0000	.0000	.1474	.9928	.9866
20000.0	-.2183	-1.0703	2964.3	506.33	823.0	1005.2	.0000	.0000	.1482	.9928	.9866
19900.0	-.2099	-1.0428	2965.4	506.35	823.0	1005.3	.0000	.0000	.1490	.9928	.9867
19800.0	-.2020	-1.0169	2966.5	506.37	823.0	1005.4	.0000	.0000	.1498	.9929	.9868
19700.0	-.1948	-.9924	2967.6	506.39	823.0	1005.5	.0000	.0000	.1506	.9929	.9868
19600.0	-.1879	-.9692	2968.7	506.41	822.9	1005.6	.0000	.0000	.1515	.9930	.9869
19500.0	-.1809	-.9470	2969.8	506.43	822.9	1005.7	.0000	.0000	.1523	.9930	.9870
19400.0	-.1747	-.9259	2970.9	506.45	822.9	1005.8	.0000	.0000	.1531	.9930	.9871
19300.0	-.1688	-.9057	2972.0	506.47	822.8	1005.9	.0000	.0000	.1540	.9931	.9871
19200.0	-.1632	-.8866	2973.1	506.49	822.8	1006.0	.0000	.0000	.1548	.9931	.9872
19100.0	-.1579	-.8679	2974.2	506.51	822.8	1006.1	.0000	.0000	.1557	.9932	.9873
19000.0	-.1528	-.8502	2975.3	506.53	822.8	1006.2	.0000	.0000	.1566	.9932	.9874
18900.0	-.1480	-.8334	2976.4	506.55	822.7	1006.3	.0000	.0000	.1575	.9932	.9874
18800.0	-.1433	-.8169	2977.5	506.57	822.7	1006.4	.0000	.0000	.1584	.9933	.9875
18700.0	-.1389	-.8009	2978.6	506.59	822.7	1006.5	.0000	.0000	.1593	.9933	.9875
18600.0	-.1347	-.7856	2979.7	506.61	822.7	1006.6	.0000	.0000	.1602	.9934	.9876
18500.0	-.1307	-.7709	2980.8	506.63	822.6	1006.7	.0000	.0000	.1611	.9934	.9877
18400.0	-.1268	-.7567	2981.9	506.66	822.6	1006.8	.0000	.0000	.1621	.9934	.9878
18300.0	-.1231	-.7430	2983.0	506.68	822.6	1006.9	.0000	.0000	.1630	.9935	.9879
18200.0	-.1196	-.7297	2984.1	506.70	822.5	1007.0	.0000	.0000	.1640	.9935	.9879
18100.0	-.1161	-.7168	2985.2	506.72	822.5	1007.1	.0000	.0000	.1649	.9936	.9880
18000.0	-.1129	-.7043	2986.3	506.74	822.5	1007.2	.0000	.0000	.1659	.9936	.9881
17900.0	-.1097	-.6922	2987.4	506.76	822.5	1007.3	.0000	.0000	.1669	.9936	.9882
17800.0	-.1066	-.6805	2988.6	506.78	822.4	1007.4	.0000	.0000	.1679	.9937	.9882
17700.0	-.1037	-.6691	2989.7	506.80	822.4	1007.5	.0000	.0000	.1689	.9937	.9883
17600.0	-.1009	-.6580	2990.8	506.82	822.4	1007.5	.0000	.0000	.1699	.9938	.9884
17500.0	-.0982	-.6473	2991.9	506.84	822.3	1007.6	.0000	.0000	.1710	.9938	.9885
17400.0	-.0955	-.6368	2993.0	506.86	822.3	1007.7	.0000	.0000	.1720	.9938	.9885
17300.0	-.0930	-.6267	2994.2	506.88	822.3	1007.8	.0000	.0000	.1731	.9939	.9886
17200.0	-.0905	-.6167	2995.3	506.90	822.3	1007.9	.0000	.0000	.1741	.9939	.9887
17100.0	-.0882	-.6071	2996.4	506.92	822.2	1008.0	.0000	.0000	.1752	.9940	.9888
17000.0	-.0859	-.5977	2997.5	506.95	822.2	1008.1	.0000	.0000	.1763	.9940	.9888
16900.0	-.0837	-.5885	2998.7	506.97	822.2	1008.2	.0000	.0000	.1774	.9941	.9889
16800.0	-.0815	-.5794	2999.8	506.99	822.1	1008.3	.0000	.0000	.1785	.9941	.9890
16700.0	-.0794	-.5709	3000.9	507.01	822.1	1008.4	.0000	.0000	.1797	.9941	.9891
16630.0	-.0779	-.5624	3002.0	507.03	822.1	1008.5	.0000	.0000	.1808	.9942	.9891
16500.0	-.0755	-.5543	3003.2	507.05	822.1	1008.6	.0000	.0000	.1820	.9942	.9892
16400.0	-.0736	-.5462	3004.3	507.07	822.0	1008.7	.0000	.0000	.1832	.9943	.9893
16300.0	-.0718	-.5382	3005.4	507.09	822.0	1008.8	.0000	.0000	.1844	.9943	.9894
16200.0	-.0700	-.5304	3006.6	507.11	822.0	1008.9	.0000	.0000	.1856	.9943	.9894
16170.0	-.0683	-.5227	3007.7	507.13	821.9	1009.0	.0000	.0000	.1868	.9944	.9895
16000.0	-.0666	-.5152	3008.8	507.15	821.9	1009.1	.0000	.0000	.1881	.9944	.9896
15900.0	-.0650	-.5078	3010.0	507.18	821.9	1009.2	.0000	.0000	.1893	.9945	.9897
15800.0	-.0634	-.5005	3011.1	507.20	821.9	1009.3	.0000	.0000	.1906	.9945	.9897
15700.0	-.0619	-.4935	3012.3	507.22	821.8	1009.4	.0000	.0000	.1919	.9945	.9898
15600.0	-.0604	-.4865	3013.4	507.24	821.8	1009.5	.0000	.0000	.1932	.9946	.9899
15520.0	-.0589	-.4797	3014.5	507.26	821.8	1009.6	.0000	.0000	.1945	.9946	.9900
15400.0	-.0574	-.4730	3015.7	507.28	821.7	1009.7	.0000	.0000	.1958	.9947	.9900
15300.0	-.0561	-.4664	3016.8	507.30	821.7	1009.8	.0000	.0000	.1972	.9947	.9901
15200.0	-.0547	-.4599	3018.0	507.32	821.7	1009.9	.0000	.0000	.1985	.9948	.9902
15100.0	-.0534	-.4535	3019.1	507.34	821.7	1010.0	.0000	.0000	.1999	.9948	.9903
15000.0	-.0521	-.4472	3020.3	507.36	821.6	1010.1	.0000	.0000	.2014	.9948	.9903
14900.0	-.0509	-.4410	3021.4	507.39	821.6	1010.2	.0000	.0000	.2028	.9949	.9904
14800.0	-.0496	-.4349	3022.6	507.41	821.6	1010.3	.0000	.0000	.2042	.9949	.9905
14700.0	-.0485	-.4289	3023.7	507.43	821.5	1010.4	.0000	.0000	.2057	.9950	.9906
14600.0	-.0473	-.4230	3024.9	507.45	821.5	1010.5	.0000	.0000	.2072	.9950	.9906
14500.0	-.0462	-.4172	3026.1	507.47	821.5	1010.6	.0000	.0000	.2087	.9950	.9907
14400.0	-.0451	-.4114	3027.2	507.49	821.4	1010.7	.0000	.0000	.2102	.9951	.9908
14300.0	-.0440	-.4058	3028.4	507.51	821.4	1010.8	.0000	.0000	.2118	.9951	.9909
14200.0	-.0429	-.4002	3029.5	507.53	821.4	1010.9	.0000	.0000	.2133	.9952	.9910
14100.0	-.0419	-.3947	3030.7	507.56	821.4	1011.0	.0000	.0000	.2149	.9952	.9910
14000.0	-.0409	-.3893	3031.9	507.58	821.3	1011.1	.0000	.0000	.2166	.9952	.9911
13900.0	-.0399	-.3839	3033.0	507.60	821.3	1011.2	.0000	.0000	.2182	.9953	.9912
13800.0	-.0389	-.3787	3034.2	507.62	821.3	1011.3	.0000	.0000	.2199	.9953	.9913
13700.0	-.0380	-.3735	3035.4	507.64	821.2	1011.4	.0000	.0000	.2216	.9954	.9913
13600.0	-.0371	-.3683	3036.5	507.66	821.2	1011.5	.0000	.0000	.2233	.9954	.9914
13500.0	-.0362	-.3632	3037.7	507.68	821.2	1011.6	.0000	.0000	.2250	.9955	.9915
13400.0	-.0353	-.3582	3038.9	507.71	821.1	1011.7	.0000	.0000	.2268	.9955	.9915
13300.0	-.0344	-.3533	3040.0	507.73	821.1	1011.8	.0000	.0000	.2286	.9956	.9916
13200.0	-.0336	-.3484	3041.2	507.75	821.1	1011.9	.0000	.0000	.2304	.9956	.9917
13100.0	-.0328	-.3435	3042.4	507.77	821.1	1012.0	.0000	.0000	.2322	.9956	.9918
13000.0	-.0320	-.3388	3043.6	507.79	821.0	1012.1	.0000	.0000	.2341	.9957	.9919
12900.0	-.0312	-.3340	3044.7	507.81	821.0	1012.2	.0000	.0000	.2360	.9957	.9920
12800.0	-.0304	-.3294	3045.9	507.83	821.0	1012.3	.0000	.0000	.2380	.9958	.9921
12700.0	-.0297	-.3247	3047.1	507.86	821.0	1012.4	.0000	.0000	.2399	.9958	.9921
12600.0	-.0290	-.3202	3048.3	507.88	821.0	1012.5	.0000	.0000	.2419	.9959	.9922
12500.0	-.0282	-.3157	3049.5	507.90	820.9	1012.6	.0000	.0000	.2440	.9959	.9923
12400.0	-.0275	-.3112	3050.6	507.92	820.9	1012.7	.0000	.0000	.2460	.9960	.9923
12300.0	-.0268	-.3068	3051.8	507.94	820.8	1012.8	.0000	.0000	.2481	.9960	.9924
12200.0	-.0262	-.3024	3053.0	507.96	820.8	1012.9	.0000	.0000	.2502	.9960	.9925
12100.0	-.0255	-.2980	3054.2	507.98	820.8	1013.0	.0000	.0000	.2524	.9961	.9926

TABLE 7. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 510 K)

PO KPA	XO	AO	P* KPA	T* K	S* KG/S	H* KJ/KG	X*	A*	P*	T*	R*
12000.0	-.0249	-.2938	3055.4	508.01	820.7	1013.7	.0000	.0000	.2546	.9961	.9927
11900.0	-.0247	-.2905	3056.6	508.03	820.7	1013.7	.0000	.0000	.2560	.9961	.9927
11800.0	-.0246	-.2893	3057.8	508.05	820.7	1013.6	.0000	.0000	.2581	.9962	.9928
11700.0	-.0230	-.2814	3059.0	508.07	820.7	1013.5	.0000	.0000	.2614	.9962	.9929
11600.0	-.0224	-.2778	3060.2	508.09	820.6	1013.5	.0000	.0000	.2634	.9963	.9930
11500.0	-.0219	-.2729	3061.4	508.12	820.6	1013.7	.0000	.0000	.2662	.9963	.9931
11400.0	-.0213	-.2689	3062.6	508.14	820.6	1013.8	.0000	.0000	.2686	.9963	.9931
11300.0	-.0207	-.2648	3063.8	508.16	820.5	1013.9	.0000	.0000	.2711	.9964	.9932
11200.0	-.0202	-.2609	3065.0	508.18	820.5	1014.0	.0000	.0000	.2737	.9964	.9933
11100.0	-.0197	-.2569	3066.2	508.20	820.5	1014.1	.0000	.0000	.2762	.9965	.9934
11000.0	-.0191	-.2530	3067.4	508.23	820.5	1014.2	.0000	.0000	.2789	.9965	.9935
10900.0	-.0186	-.2491	3068.6	508.25	820.4	1014.3	.0000	.0000	.2815	.9966	.9935
10800.0	-.0181	-.2453	3069.8	508.27	820.4	1014.4	.0000	.0000	.2843	.9966	.9936
10700.0	-.0176	-.2415	3071.0	508.29	820.4	1014.5	.0000	.0000	.2870	.9966	.9937
10600.0	-.0172	-.2377	3072.2	508.31	820.3	1014.6	.0000	.0000	.2898	.9967	.9938
10500.0	-.0167	-.2339	3073.4	508.33	820.3	1014.7	.0000	.0000	.2927	.9967	.9939
10400.0	-.0162	-.2302	3074.6	508.36	820.3	1014.8	.0000	.0000	.2956	.9968	.9939
10300.0	-.0158	-.2265	3075.8	508.38	820.2	1014.9	.0000	.0000	.2986	.9969	.9940
10200.0	-.0153	-.2228	3077.0	508.40	820.2	1015.0	.0000	.0000	.3017	.9969	.9941
10100.0	-.0149	-.2192	3078.3	508.43	820.2	1015.1	.0000	.0000	.3048	.9969	.9942
10000.0	-.0145	-.2156	3079.5	508.44	820.1	1015.2	.0000	.0000	.3079	.9970	.9943
9900.0	-.0141	-.2120	3080.7	508.47	820.1	1015.3	.0000	.0000	.3112	.9970	.9943
9800.0	-.0137	-.2084	3081.9	508.49	820.1	1015.4	.0000	.0000	.3145	.9970	.9944
9700.0	-.0133	-.2049	3083.1	508.51	820.0	1015.5	.0000	.0000	.3178	.9971	.9945
9600.0	-.0129	-.2013	3084.4	508.53	820.0	1015.6	.0000	.0000	.3213	.9971	.9946
9500.0	-.0125	-.1978	3085.6	508.56	820.0	1015.8	.0000	.0000	.3248	.9972	.9947
9400.0	-.0121	-.1944	3086.8	508.58	820.0	1015.9	.0000	.0000	.3284	.9973	.9947
9300.0	-.0118	-.1909	3088.0	508.60	819.9	1016.0	.0000	.0000	.3320	.9973	.9948
9200.0	-.0114	-.1875	3089.3	508.62	819.9	1016.1	.0000	.0000	.3358	.9973	.9949
9100.0	-.0110	-.1841	3090.5	508.64	819.9	1016.2	.0000	.0000	.3396	.9973	.9950
9000.0	-.0107	-.1807	3091.7	508.67	819.8	1016.3	.0000	.0000	.3435	.9974	.9951
8900.0	-.0103	-.1773	3093.0	508.69	819.8	1016.4	.0000	.0000	.3475	.9974	.9951
8800.0	-.0100	-.1740	3094.2	508.71	819.8	1016.5	.0000	.0000	.3516	.9975	.9952
8700.0	-.0097	-.1706	3095.4	508.73	819.8	1016.6	.0000	.0000	.3558	.9975	.9953
8600.0	-.0094	-.1673	3096.7	508.76	819.7	1016.7	.0000	.0000	.3601	.9976	.9954
8500.0	-.0091	-.1640	3097.9	508.78	819.7	1016.8	.0000	.0000	.3645	.9976	.9955
8400.0	-.0088	-.1608	3099.1	508.80	819.7	1016.9	.0000	.0000	.3689	.9976	.9956
8300.0	-.0085	-.1575	3100.4	508.82	819.6	1017.0	.0000	.0000	.3735	.9977	.9956
8200.0	-.0082	-.1543	3101.6	508.84	819.6	1017.0	.0000	.0000	.3782	.9977	.9957
8100.0	-.0079	-.1510	3102.9	508.87	819.6	1017.1	.0000	.0000	.3831	.9978	.9958
8000.0	-.0076	-.1478	3104.1	508.89	819.5	1017.2	.0000	.0000	.3880	.9978	.9959
7900.0	-.0074	-.1446	3105.4	508.91	819.5	1017.3	.0000	.0000	.3931	.9979	.9960
7800.0	-.0071	-.1414	3106.7	508.93	819.5	1017.4	.0000	.0000	.3983	.9979	.9961
7700.0	-.0068	-.1383	3107.9	508.96	819.4	1017.5	.0000	.0000	.4036	.9980	.9961
7600.0	-.0066	-.1351	3109.1	508.98	819.4	1017.6	.0000	.0000	.4091	.9980	.9962
7500.0	-.0063	-.1320	3110.4	509.00	819.4	1017.7	.0000	.0000	.4147	.9980	.9963
7400.0	-.0061	-.1288	3111.6	509.02	819.4	1017.8	.0000	.0000	.4205	.9981	.9964
7300.0	-.0058	-.1257	3112.9	509.04	819.3	1017.9	.0000	.0000	.4264	.9981	.9965
7200.0	-.0056	-.1226	3114.1	509.07	819.3	1018.0	.0000	.0000	.4325	.9982	.9965
7100.0	-.0054	-.1195	3115.4	509.09	819.3	1018.1	.0000	.0000	.4388	.9982	.9966
7000.0	-.0052	-.1164	3116.7	509.12	819.2	1018.2	.0000	.0000	.4452	.9983	.9967
6900.0	-.0050	-.1134	3117.9	509.14	819.2	1018.3	.0000	.0000	.4519	.9983	.9968
6800.0	-.0047	-.1103	3119.2	509.16	819.2	1018.4	.0000	.0000	.4587	.9984	.9969
6700.0	-.0045	-.1072	3120.5	509.19	819.1	1018.5	.0000	.0000	.4657	.9984	.9970
6600.0	-.0043	-.1042	3121.7	509.21	819.1	1018.6	.0000	.0000	.4730	.9984	.9971
6500.0	-.0041	-.1011	3123.0	509.23	819.1	1018.7	.0000	.0000	.4805	.9985	.9971
6400.0	-.0040	-.0981	3124.3	509.25	819.0	1018.8	.0000	.0000	.4883	.9985	.9972
6300.0	-.0038	-.0951	3125.6	509.27	819.0	1018.9	.0000	.0000	.4961	.9986	.9973
6200.0	-.0036	-.0921	3126.8	509.30	819.0	1019.0	.0000	.0000	.5043	.9986	.9974
6100.0	-.0034	-.0890	3128.1	509.32	818.9	1019.1	.0000	.0000	.5128	.9987	.9975
6000.0	-.0032	-.0860	3129.4	509.34	818.9	1019.2	.0000	.0000	.5216	.9987	.9976
5900.0	-.0031	-.0830	3130.7	509.37	818.9	1019.3	.0000	.0000	.5306	.9988	.9976
5800.0	-.0029	-.0800	3131.9	509.39	818.8	1019.4	.0000	.0000	.5400	.9988	.9977
5700.0	-.0027	-.0770	3133.2	509.41	818.8	1019.5	.0000	.0000	.5497	.9988	.9978
5600.0	-.0026	-.0740	3134.5	509.43	818.8	1019.6	.0000	.0000	.5597	.9989	.9979
5500.0	-.0024	-.0710	3135.8	509.46	818.8	1020.0	.0000	.0000	.5701	.9989	.9980
5400.0	-.0023	-.0680	3137.1	509.48	818.7	1020.1	.0000	.0000	.5809	.9990	.9981
5300.0	-.0021	-.0650	3138.4	509.50	818.7	1020.2	.0000	.0000	.5921	.9990	.9982
5200.0	-.0020	-.0621	3139.7	509.53	818.7	1020.4	.0000	.0000	.6038	.9991	.9982
5100.0	-.0019	-.0591	3141.0	509.55	818.6	1020.5	.0000	.0000	.6159	.9991	.9983
5000.0	-.0017	-.0561	3142.3	509.57	818.6	1020.6	.0000	.0000	.6285	.9992	.9984
4900.0	-.0016	-.0531	3143.6	509.60	818.6	1020.7	.0000	.0000	.6415	.9992	.9985
4800.0	-.0015	-.0501	3144.8	509.62	818.5	1020.8	.0000	.0000	.6552	.9993	.9986
4700.0	-.0014	-.0471	3146.1	509.64	818.5	1020.9	.0000	.0000	.6694	.9993	.9987
4600.0	-.0012	-.0441	3147.4	509.67	818.5	1021.0	.0000	.0000	.6843	.9993	.9988
4500.0	-.0011	-.0411	3148.7	509.69	818.4	1021.1	.0000	.0000	.6997	.9994	.9988
4400.0	-.0010	-.0381	3150.0	509.71	818.4	1021.2	.0000	.0000	.7159	.9994	.9989
4300.0	-.0009	-.0350	3151.4	509.74	818.4	1021.3	.0000	.0000	.7329	.9995	.9990
4200.0	-.0008	-.0320	3152.7	509.76	818.3	1021.4	.0000	.0000	.7506	.9995	.9991
4100.0	-.0007	-.0290	3154.0	509.78	818.3	1021.6	.0000	.0000	.7693	.9996	.9992
4000.0	-.0006	-.0259	3155.3	509.80	818.3	1021.7	.0000	.0000	.7888	.9996	.9993
3900.0	-.0005	-.0229	3156.6	509.83	818.2	1021.8	.0000	.0000	.8094	.9997	.9994
3800.0	-.0004	-.0198	3157.9	509.85	818.2	1021.9	.0000	.0000	.8313	.9997	.9994
3700.0	-.0004	-.0167	2659.1	500.40	601.4	988.5	.0021	.2784	.7187	.9812	.7771
3600.0	-.0003	-.0136	2570.5	497.53	553.3	978.3	.0074	.3494	.7001	.9745	.6760
3500.0	-.0002	-.0105	2424.3	493.46	520.5	970.9	.0090	.3841	.6926	.9715	.6360
3400.0	-.0002	-.0074	2347.9	491.78	498.5	964.9	.0099	.4154	.6906	.9682	.6046
3300.0	-.0001	-.0043	2283.4	490.37	479.1	959.5	.0106	.4414	.6919	.9653	.5807
3200.0	-.0000	-.0011	2226.7	491.02	457.9	954.9	.0113	.4632	.6958	.9629	.5584

TABLE 7. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 520 K)

PC KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PP	TP	RP
22130.0	********	********	3497.5	515.65	810.1	1049.6	.0000	.0000	.1581	.9916	.9844
22100.0	-1.8185	-10.6008	3497.4	515.65	810.1	1049.6	.0030	.0000	.1583	.9916	.9845
22000.0	-1.3781	-4.2269	3499.1	515.68	810.0	1049.7	.0000	.0000	.1591	.9917	.9845
21900.0	-1.0693	-3.1457	3500.5	515.70	810.0	1049.8	.0000	.0000	.1598	.9917	.9846
21800.0	-.7767	-2.6292	3501.9	515.72	810.0	1049.9	.0000	.0000	.1605	.9918	.9847
21700.0	-.6503	-2.3106	3503.1	515.74	809.9	1050.0	.0000	.0000	.1614	.9918	.9848
21600.0	-.5741	-2.0879	3504.3	515.76	809.9	1050.1	.0000	.0000	.1622	.9919	.9848
21500.0	-.5176	-1.9201	3505.3	515.79	809.9	1050.2	.0000	.0000	.1631	.9919	.9849
21400.0	-.4702	-1.7858	3507.1	515.81	809.8	1050.3	.0000	.0000	.1639	.9919	.9850
21300.0	-.4303	-1.6788	3508.8	515.83	809.8	1050.4	.0000	.0000	.1647	.9920	.9851
21200.0	-.3967	-1.5897	3509.8	515.85	809.8	1050.5	.0000	.0000	.1656	.9920	.9851
21100.0	-.3725	-1.5090	3511.3	515.89	809.8	1050.6	.0000	.0000	.1664	.9921	.9852
21000.0	-.3490	-1.4406	3512.5	515.90	809.7	1050.7	.0000	.0000	.1673	.9921	.9853
20900.0	-.3281	-1.3801	3513.8	515.92	809.7	1050.8	.0000	.0000	.1681	.9922	.9854
20800.0	-.3104	-1.3260	3514.9	515.94	809.7	1051.0	.0000	.0000	.1690	.9923	.9855
20700.0	-.2940	-1.2777	3516.0	515.96	809.6	1051.1	.0000	.0000	.1698	.9923	.9855
20600.0	-.2790	-1.2339	3517.0	515.98	809.6	1051.2	.0000	.0000	.1708	.9923	.9856
20500.0	-.2656	-1.1920	3519.2	516.01	809.6	1051.3	.0000	.0000	.1717	.9923	.9857
20400.0	-.2534	-1.1545	3520.6	516.03	809.5	1051.4	.0000	.0000	.1725	.9924	.9858
20300.0	-.2421	-1.1197	3521.9	516.05	809.5	1051.5	.0000	.0000	.1734	.9924	.9858
20200.0	-.2322	-1.0874	3523.3	516.07	809.5	1051.6	.0000	.0000	.1744	.9924	.9859
20100.0	-.2222	-1.0571	3524.7	516.09	809.4	1051.7	.0000	.0000	.1754	.9925	.9860
20000.0	-.2132	-1.0287	3526.0	516.12	809.4	1051.8	.0000	.0000	.1763	.9925	.9861
19900.0	-.2049	-1.0019	3527.4	516.14	809.4	1052.0	.0000	.0000	.1771	.9926	.9862
19800.0	-.1971	-.9767	3528.7	516.16	809.3	1052.1	.0000	.0000	.1782	.9926	.9862
19700.0	-.1898	-.9527	3530.1	516.18	809.3	1052.2	.0000	.0000	.1792	.9927	.9863
19600.0	-.1829	-.9300	3531.4	516.21	809.3	1052.3	.0000	.0000	.1802	.9927	.9864
19500.0	-.1764	-.9084	3532.8	516.23	809.3	1052.3	.0000	.0000	.1812	.9927	.9865
19400.0	-.1702	-.8878	3534.2	516.25	809.2	1052.4	.0000	.0000	.1822	.9928	.9866
19300.0	-.1644	-.8681	3535.6	516.27	809.2	1052.5	.0000	.0000	.1833	.9928	.9866
19200.0	-.1589	-.8493	3536.9	516.29	809.2	1052.7	.0000	.0000	.1843	.9929	.9867
19100.0	-.1536	-.8312	3538.3	516.32	809.1	1052.8	.0000	.0000	.1853	.9929	.9868
19000.0	-.1487	-.8139	3539.7	516.34	809.1	1052.9	.0000	.0000	.1863	.9930	.9868
18900.0	-.1439	-.7972	3541.1	516.36	809.1	1053.0	.0000	.0000	.1874	.9930	.9869
18800.0	-.1394	-.7811	3542.5	516.38	809.0	1053.1	.0000	.0000	.1884	.9930	.9870
18700.0	-.1350	-.7657	3543.8	516.41	809.0	1053.2	.0000	.0000	.1895	.9931	.9871
18600.0	-.1309	-.7508	3545.2	516.43	809.0	1053.3	.0000	.0000	.1905	.9931	.9872
18500.0	-.1269	-.7365	3546.6	516.45	808.9	1053.4	.0000	.0000	.1917	.9932	.9872
18400.0	-.1231	-.7226	3548.0	516.47	808.9	1053.5	.0000	.0000	.1928	.9932	.9873
18300.0	-.1194	-.7092	3549.4	516.50	808.9	1053.6	.0000	.0000	.1940	.9933	.9874
18200.0	-.1160	-.6962	3550.7	516.52	808.8	1053.7	.0000	.0000	.1951	.9933	.9875
18100.0	-.1126	-.6836	3552.1	516.54	808.8	1053.8	.0000	.0000	.1963	.9933	.9876
18000.0	-.1094	-.6714	3553.5	516.56	808.8	1053.9	.0000	.0000	.1974	.9934	.9876
17900.0	-.1062	-.6596	3554.9	516.58	808.7	1054.1	.0000	.0000	.1986	.9934	.9877
17800.0	-.1033	-.6481	3556.3	516.61	808.7	1054.2	.0000	.0000	.1998	.9935	.9878
17700.0	-.1004	-.6370	3557.7	516.63	808.7	1054.3	.0000	.0000	.2010	.9935	.9879
17600.0	-.0976	-.6262	3559.1	516.65	808.6	1054.4	.0000	.0000	.2022	.9936	.9880
17500.0	-.0949	-.6157	3560.5	516.68	808.6	1054.5	.0000	.0000	.2035	.9936	.9880
17400.0	-.0923	-.6055	3561.9	516.70	808.6	1054.6	.0000	.0000	.2047	.9937	.9881
17300.0	-.0898	-.5955	3563.3	516.72	808.5	1054.7	.0000	.0000	.2060	.9937	.9882
17200.0	-.0874	-.5859	3564.7	516.74	808.5	1054.8	.0000	.0000	.2072	.9937	.9883
17100.0	-.0851	-.5764	3566.1	516.77	808.5	1054.9	.0000	.0000	.2085	.9938	.9883
17000.0	-.0829	-.5673	3567.5	516.79	808.4	1055.0	.0000	.0000	.2099	.9938	.9884
16900.0	-.0807	-.5583	3568.9	516.81	808.4	1055.1	.0000	.0000	.2112	.9939	.9885
16800.0	-.0786	-.5496	3570.3	516.84	808.4	1055.2	.0000	.0000	.2125	.9939	.9886
16700.0	-.0765	-.5410	3571.7	516.86	808.3	1055.4	.0000	.0000	.2139	.9940	.9887
16600.0	-.0746	-.5327	3573.2	516.88	808.3	1055.5	.0000	.0000	.2153	.9940	.9888
16500.0	-.0727	-.5248	3574.6	516.90	808.3	1055.6	.0000	.0000	.2166	.9940	.9888
16400.0	-.0709	-.5169	3576.0	516.93	808.2	1055.7	.0000	.0000	.2180	.9941	.9889
16300.0	-.0691	-.5091	3577.4	516.95	808.2	1055.8	.0000	.0000	.2194	.9941	.9890
16200.0	-.0673	-.5015	3578.8	516.97	808.2	1055.9	.0000	.0000	.2209	.9942	.9891
16100.0	-.0656	-.4939	3580.2	517.00	808.2	1056.0	.0000	.0000	.2224	.9943	.9892
16000.0	-.0640	-.4866	3581.7	517.02	808.1	1056.1	.0000	.0000	.2239	.9943	.9892
15900.0	-.0624	-.4794	3583.1	517.04	808.1	1056.2	.0000	.0000	.2254	.9943	.9893
15800.0	-.0608	-.4723	3584.5	517.07	808.1	1056.4	.0000	.0000	.2269	.9944	.9894
15700.0	-.0593	-.4654	3586.0	517.09	808.0	1056.5	.0000	.0000	.2284	.9944	.9895
15600.0	-.0579	-.4586	3587.4	517.11	808.0	1056.6	.0000	.0000	.2300	.9944	.9896
15500.0	-.0564	-.4519	3588.9	517.13	808.0	1056.7	.0000	.0000	.2315	.9945	.9896
15400.0	-.0550	-.4453	3590.3	517.16	807.9	1056.8	.0000	.0000	.2331	.9945	.9897
15300.0	-.0537	-.4388	3591.7	517.18	807.9	1056.9	.0000	.0000	.2348	.9946	.9898
15200.0	-.0523	-.4325	3593.1	517.20	807.9	1057.0	.0000	.0000	.2364	.9946	.9899
15100.0	-.0510	-.4262	3594.6	517.23	807.8	1057.1	.0000	.0000	.2381	.9947	.9900
15000.0	-.0498	-.4200	3596.0	517.25	807.8	1057.2	.0000	.0000	.2397	.9947	.9901
14900.0	-.0486	-.4140	3597.4	517.27	807.8	1057.4	.0000	.0000	.2414	.9948	.9901
14800.0	-.0474	-.4080	3598.9	517.30	807.7	1057.5	.0000	.0000	.2432	.9948	.9902
14700.0	-.0462	-.4022	3600.3	517.32	807.7	1057.6	.0000	.0000	.2449	.9949	.9903
14600.0	-.0451	-.3964	3601.8	517.34	807.7	1057.7	.0000	.0000	.2467	.9949	.9904
14500.0	-.0440	-.3907	3603.2	517.37	807.6	1057.8	.0000	.0000	.2485	.9949	.9905
14400.0	-.0429	-.3851	3604.7	517.39	807.6	1057.9	.0000	.0000	.2503	.9950	.9905
14300.0	-.0418	-.3795	3606.1	517.41	807.6	1058.0	.0000	.0000	.2522	.9950	.9906
14200.0	-.0408	-.3741	3607.6	517.44	807.5	1058.1	.0000	.0000	.2541	.9951	.9907
14100.0	-.0398	-.3687	3609.1	517.46	807.5	1058.3	.0000	.0000	.2560	.9951	.9908
14000.0	-.0388	-.3634	3610.5	517.48	807.5	1058.4	.0000	.0000	.2579	.9952	.9909
13900.0	-.0378	-.3582	3612.0	517.51	807.4	1058.5	.0000	.0000	.2599	.9952	.9910
13800.0	-.0369	-.3530	3613.4	517.53	807.4	1058.6	.0000	.0000	.2618	.9953	.9910
13700.0	-.0360	-.3479	3614.9	517.55	807.4	1058.7	.0000	.0000	.2639	.9953	.9911
13600.0	-.0351	-.3429	3616.4	517.58	807.3	1058.8	.0000	.0000	.2659	.9953	.9912
13500.0	-.0342	-.3379	3617.8	517.60	807.3	1058.9	.0000	.0000	.2680	.9954	.9913
13400.0	-.0334	-.3330	3619.3	517.62	807.2	1059.0	.0000	.0000	.2701	.9954	.9914
13300.0	-.0325	-.3281	3620.8	517.65	807.2	1059.2	.0000	.0000	.2722	.9955	.9915
13200.0	-.0317	-.3233	3622.2	517.67	807.2	1059.3	.0000	.0000	.2744	.9955	.9915
13100.0	-.0309	-.3186	3623.7	517.69	807.1	1059.4	.0000	.0000	.2766	.9956	.9916
13000.0	-.0301	-.3139	3625.2	517.72	807.1	1059.5	.0000	.0000	.2789	.9956	.9917
12900.0	-.0294	-.3093	3626.7	517.74	807.1	1059.6	.0000	.0000	.2811	.9957	.9918
12800.0	-.0286	-.3047	3628.2	517.77	807.0	1059.7	.0000	.0000	.2835	.9957	.9919
12700.0	-.0279	-.3002	3629.6	517.79	807.0	1059.8	.0000	.0000	.2858	.9958	.9920
12600.0	-.0272	-.2957	3631.1	517.81	807.0	1060.0	.0000	.0000	.2882	.9958	.9921
12500.0	-.0265	-.2913	3632.6	517.84	806.9	1060.1	.0000	.0000	.2906	.9959	.9921
12400.0	-.0258	-.2869	3634.1	517.86	806.9	1060.2	.0000	.0000	.2931	.9959	.9922
12300.0	-.0252	-.2826	3635.6	517.88	806.9	1060.3	.0000	.0000	.2956	.9959	.9923
12200.0	-.0245	-.2783	3637.1	517.91	806.8	1060.4	.0000	.0000	.2981	.9960	.9924
12100.0	-.0239	-.2740	3638.6	517.93	806.8	1060.5	.0000	.0000	.3007	.9960	.9925

TABLE 7. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 520 K)

PO KPA	XO	AO	P* KPA	T* K	D* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
12000.0	-.0232	-.2698	3640.1	517.96	806.8	1060.6	.0000	.0000	.3033	.9961	.9926
11900.0	-.0226	-.2657	3641.6	517.98	806.7	1060.9	.0000	.0000	.3060	.9961	.9927
11800.0	-.0220	-.2615	3643.1	518.00	806.7	1060.9	.0000	.0000	.3087	.9962	.9927
11700.0	-.0214	-.2574	3644.6	518.03	806.7	1061.0	.0000	.0000	.3114	.9963	.9928
11600.0	-.0209	-.2534	3646.1	518.05	806.6	1061.1	.0000	.0000	.3143	.9963	.9929
11500.0	-.0203	-.2494	3647.6	518.07	806.6	1061.2	.0000	.0000	.3172	.9963	.9930
11400.0	-.0198	-.2454	3649.1	518.10	806.6	1061.3	.0000	.0000	.3201	.9963	.9931
11300.0	-.0192	-.2415	3650.6	518.12	806.5	1061.4	.0000	.0000	.3231	.9964	.9932
11200.0	-.0187	-.2376	3652.1	518.15	806.5	1061.6	.0000	.0000	.3261	.9964	.9933
11100.0	-.0182	-.2337	3653.6	518.17	806.5	1061.7	.0000	.0000	.3292	.9965	.9933
11000.0	-.0177	-.2299	3655.1	518.19	806.4	1061.8	.0000	.0000	.3323	.9965	.9934
10900.0	-.0172	-.2261	3656.7	518.22	806.4	1062.0	.0000	.0000	.3354	.9966	.9935
10800.0	-.0167	-.2223	3658.2	518.24	806.4	1062.0	.0000	.0000	.3387	.9966	.9936
10700.0	-.0162	-.2185	3659.7	518.27	806.3	1062.1	.0000	.0000	.3420	.9967	.9937
10600.0	-.0158	-.2148	3661.2	518.29	806.3	1062.3	.0000	.0000	.3454	.9967	.9938
10500.0	-.0153	-.2112	3662.7	518.32	806.3	1062.4	.0000	.0000	.3488	.9968	.9939
10400.0	-.0149	-.2075	3664.3	518.34	806.2	1062.5	.0000	.0000	.3523	.9968	.9939
10300.0	-.0145	-.2039	3665.8	518.36	806.2	1062.6	.0000	.0000	.3559	.9969	.9940
10200.0	-.0140	-.2003	3667.3	518.39	806.1	1062.7	.0000	.0000	.3595	.9969	.9941
10100.0	-.0136	-.1967	3668.9	518.41	806.1	1062.8	.0000	.0000	.3633	.9969	.9942
10000.0	-.0132	-.1931	3670.4	518.44	806.1	1063.0	.0000	.0000	.3670	.9970	.9943
9900.0	-.0128	-.1896	3671.9	518.46	806.0	1063.1	.0000	.0000	.3709	.9970	.9944
9800.0	-.0124	-.1861	3673.5	518.49	806.0	1063.2	.0000	.0000	.3748	.9971	.9945
9700.0	-.0120	-.1826	3675.0	518.51	806.0	1063.3	.0000	.0000	.3789	.9971	.9946
9600.0	-.0117	-.1792	3676.6	518.53	805.9	1063.4	.0000	.0000	.3830	.9972	.9946
9500.0	-.0113	-.1758	3678.1	518.56	805.9	1063.5	.0000	.0000	.3872	.9972	.9947
9400.0	-.0109	-.1724	3679.6	518.58	805.9	1063.7	.0000	.0000	.3915	.9973	.9948
9300.0	-.0106	-.1690	3681.2	518.61	805.8	1063.8	.0000	.0000	.3958	.9973	.9949
9200.0	-.0102	-.1656	3682.7	518.63	805.8	1063.9	.0000	.0000	.4003	.9974	.9950
9100.0	-.0099	-.1623	3684.3	518.66	805.8	1064.0	.0000	.0000	.4049	.9974	.9951
9000.0	-.0096	-.1589	3685.9	518.68	805.7	1064.1	.0000	.0000	.4095	.9975	.9952
8900.0	-.0093	-.1556	3687.4	518.71	805.7	1064.3	.0000	.0000	.4143	.9975	.9953
8800.0	-.0089	-.1523	3689.0	518.73	805.7	1064.4	.0000	.0000	.4192	.9976	.9954
8700.0	-.0086	-.1491	3690.5	518.75	805.6	1064.5	.0000	.0000	.4242	.9976	.9954
8600.0	-.0083	-.1458	3692.1	518.78	805.6	1064.6	.0000	.0000	.4293	.9977	.9955
8500.0	-.0080	-.1426	3693.7	518.80	805.5	1064.7	.0000	.0000	.4345	.9977	.9956
8400.0	-.0077	-.1394	3695.2	518.83	805.5	1064.9	.0000	.0000	.4399	.9977	.9957
8300.0	-.0074	-.1362	3696.8	518.85	805.5	1065.0	.0000	.0000	.4454	.9978	.9958
8200.0	-.0072	-.1330	3698.4	518.88	805.4	1065.1	.0000	.0000	.4510	.9978	.9959
8100.0	-.0069	-.1298	3699.9	518.90	805.4	1065.2	.0000	.0000	.4568	.9979	.9960
8000.0	-.0067	-.1267	3701.5	518.93	805.4	1065.3	.0000	.0000	.4627	.9979	.9961
7900.0	-.0064	-.1235	3703.1	518.95	805.3	1065.4	.0000	.0000	.4687	.9980	.9962
7800.0	-.0062	-.1204	3704.7	518.98	805.3	1065.6	.0000	.0000	.4750	.9980	.9963
7700.0	-.0059	-.1173	3706.3	519.00	805.3	1065.7	.0000	.0000	.4813	.9981	.9963
7600.0	-.0057	-.1142	3707.8	519.03	805.2	1065.8	.0000	.0000	.4879	.9981	.9964
7500.0	-.0054	-.1111	3709.4	519.05	805.2	1065.9	.0000	.0000	.4946	.9982	.9965
7400.0	-.0052	-.1080	3711.0	519.08	805.1	1066.0	.0000	.0000	.5015	.9982	.9966
7300.0	-.0050	-.1050	3712.6	519.10	805.1	1066.2	.0000	.0000	.5086	.9983	.9967
7200.0	-.0048	-.1019	3714.2	519.13	805.1	1066.3	.0000	.0000	.5159	.9983	.9968
7100.0	-.0045	-.0989	3715.8	519.15	805.0	1066.4	.0000	.0000	.5234	.9984	.9969
7000.0	-.0043	-.0958	3717.4	519.18	805.0	1066.5	.0000	.0000	.5311	.9984	.9970
6900.0	-.0041	-.0928	3719.0	519.20	805.0	1066.7	.0000	.0000	.5390	.9985	.9971
6800.0	-.0039	-.0898	3720.6	519.23	804.9	1066.8	.0000	.0000	.5471	.9985	.9972
6700.0	-.0037	-.0868	3722.2	519.25	804.9	1066.9	.0000	.0000	.5556	.9986	.9973
6600.0	-.0036	-.0838	3723.8	519.28	804.9	1067.0	.0000	.0000	.5642	.9986	.9973
6500.0	-.0034	-.0808	3725.4	519.30	804.8	1067.1	.0000	.0000	.5731	.9987	.9974
6400.0	-.0032	-.0778	3727.0	519.33	804.8	1067.3	.0000	.0000	.5823	.9987	.9975
6300.0	-.0030	-.0749	3728.6	519.35	804.7	1067.4	.0000	.0000	.5918	.9988	.9976
6200.0	-.0028	-.0719	3730.3	519.38	804.7	1067.5	.0000	.0000	.6017	.9988	.9977
6100.0	-.0027	-.0689	3731.9	519.40	804.7	1067.6	.0000	.0000	.6118	.9989	.9978
6000.0	-.0025	-.0660	3733.5	519.43	804.6	1067.7	.0000	.0000	.6222	.9989	.9979
5900.0	-.0024	-.0630	3735.1	519.45	804.6	1067.9	.0000	.0000	.6331	.9990	.9980
5800.0	-.0022	-.0601	3736.7	519.48	804.6	1068.0	.0000	.0000	.6443	.9990	.9981
5700.0	-.0021	-.0571	3738.4	519.50	804.5	1068.1	.0000	.0000	.6559	.9990	.9982
5600.0	-.0019	-.0542	3740.0	519.53	804.5	1068.2	.0000	.0000	.6679	.9991	.9983
5500.0	-.0018	-.0512	3741.6	519.56	804.5	1068.4	.0000	.0000	.6803	.9991	.9984
5400.0	-.0016	-.0483	3743.3	519.58	804.4	1068.5	.0000	.0000	.6932	.9992	.9985
5300.0	-.0015	-.0454	3744.9	519.61	804.4	1068.6	.0000	.0000	.7066	.9992	.9986
5200.0	-.0014	-.0424	3746.5	519.63	804.3	1068.7	.0000	.0000	.7205	.9993	.9986
5100.0	-.0013	-.0395	3748.2	519.66	804.3	1068.9	.0000	.0000	.7349	.9993	.9987
5000.0	-.0012	-.0365	3749.8	519.68	804.3	1069.0	.0000	.0000	.7500	.9994	.9988
4900.0	-.0010	-.0336	3751.5	519.71	804.2	1069.1	.0000	.0000	.7656	.9994	.9989
4800.0	-.0009	-.0307	3753.1	519.73	804.2	1069.2	.0000	.0000	.7819	.9995	.9990
4700.0	-.0008	-.0277	3754.8	519.76	804.2	1069.3	.0000	.0000	.7989	.9995	.9991
4600.0	-.0007	-.0248	3756.4	519.79	804.1	1069.5	.0000	.0000	.8166	.9996	.9992
4500.0	-.0006	-.0218	3758.1	519.81	804.1	1069.6	.0000	.0000	.8351	.9996	.9993
4400.0	-.0005	-.0188	3137.0	509.44	593.8	1033.3	.0074	.7401	.7130	.9798	.7341
4300.0	-.0004	-.0158	3001.9	507.03	554.6	1024.5	.0090	.7315	.6981	.9751	.6894
4200.0	-.0003	-.0129	2899.7	505.11	529.2	1017.9	.0107	.7684	.6904	.9714	.6543
4100.0	-.0003	-.0099	2816.1	503.51	509.8	1012.1	.0111	.7974	.6860	.9683	.6265
4000.0	-.0002	-.0069	2744.1	502.10	493.1	1007.0	.0119	.8217	.6860	.9656	.6033
3900.0	-.0002	-.0039	2680.4	500.87	479.0	1002.4	.0127	.8425	.6873	.9631	.5832
3800.0	-.0000	-.0009	2623.5	499.77	466.7	998.3	.0133	.8607	.6904	.9609	.5657

TABLE 3. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 530 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	RR	TR	ZR
22170.0	********	********	4130.8	525.39	795.8	1096.7	.0000	.0000	.1867	.9913	.9837
22101.8	-3.7720	-10.2951	4130.9	525.40	795.8	1096.7	.0000	.0000	.1869	.9913	.9837
22000.0	-1.3584	-4.0960	4132.6	525.42	795.8	1096.9	.0000	.0000	.1878	.9914	.9838
21900.0	-.9541	-3.0440	4134.2	525.45	795.7	1097.0	.0000	.0000	.1888	.9914	.9839
21800.0	-.7630	-2.5431	4135.8	525.47	795.7	1097.1	.0000	.0000	.1897	.9915	.9840
21700.0	-.6479	-2.2329	4137.5	525.49	795.7	1097.2	.0000	.0000	.1907	.9915	.9841
21600.0	-.5677	-2.0156	4139.2	525.52	795.6	1097.3	.0000	.0000	.1916	.9916	.9841
21500.0	-.5079	-1.8525	4140.9	525.54	795.6	1097.4	.0000	.0000	.1926	.9916	.9842
21400.0	-.4611	-1.7234	4142.5	525.57	795.6	1097.5	.0000	.0000	.1936	.9916	.9843
21300.0	-.4232	-1.6177	4144.2	525.59	795.5	1097.7	.0000	.0000	.1946	.9917	.9844
21200.0	-.3916	-1.5288	4145.8	525.61	795.5	1097.8	.0000	.0000	.1956	.9917	.9845
21100.0	-.3647	-1.4525	4147.5	525.64	795.5	1097.9	.0000	.0000	.1966	.9918	.9846
21000.0	-.3415	-1.3859	4149.2	525.66	795.4	1098.0	.0000	.0000	.1976	.9918	.9846
20900.0	-.3212	-1.3270	4150.9	525.69	795.4	1098.2	.0000	.0000	.1986	.9919	.9847
20800.0	-.3031	-1.2743	4152.5	525.71	795.4	1098.3	.0000	.0000	.1996	.9919	.9848
20700.0	-.2870	-1.2268	4154.2	525.73	795.3	1098.4	.0000	.0000	.2007	.9920	.9849
20600.0	-.2725	-1.1835	4155.9	525.76	795.3	1098.5	.0000	.0000	.2017	.9920	.9850
20500.0	-.2593	-1.1439	4157.6	525.78	795.2	1098.6	.0000	.0000	.2028	.9920	.9850
20400.0	-.2473	-1.1074	4159.2	525.81	795.2	1098.7	.0000	.0000	.2039	.9921	.9851
20300.0	-.2362	-1.0735	4160.9	525.83	795.1	1098.9	.0000	.0000	.2050	.9921	.9852
20200.0	-.2260	-1.0420	4162.6	525.86	795.1	1099.0	.0000	.0000	.2061	.9922	.9853
20100.0	-.2165	-1.0125	4164.3	525.88	795.1	1099.1	.0000	.0000	.2072	.9922	.9854
20000.0	-.2077	-.9849	4166.0	525.90	795.1	1099.2	.0000	.0000	.2083	.9923	.9855
19900.0	-.1995	-.9588	4167.7	525.93	795.0	1099.3	.0000	.0000	.2094	.9923	.9855
19800.0	-.1918	-.9342	4169.4	525.95	795.0	1099.5	.0000	.0000	.2106	.9924	.9856
19700.0	-.1846	-.9109	4171.1	525.98	795.0	1099.6	.0000	.0000	.2117	.9924	.9857
19600.0	-.1778	-.8887	4172.8	526.00	794.9	1099.7	.0000	.0000	.2129	.9925	.9858
19500.0	-.1714	-.8677	4174.5	526.03	794.9	1099.8	.0000	.0000	.2141	.9925	.9859
19400.0	-.1654	-.8476	4176.2	526.05	794.8	1099.9	.0000	.0000	.2153	.9926	.9860
19300.0	-.1597	-.8286	4177.9	526.07	794.8	1100.1	.0000	.0000	.2165	.9926	.9860
19200.0	-.1542	-.8100	4179.6	526.10	794.8	1100.2	.0000	.0000	.2177	.9926	.9861
19100.0	-.1491	-.7925	4181.3	526.12	794.7	1100.3	.0000	.0000	.2189	.9927	.9862
19000.0	-.1441	-.7756	4183.0	526.15	794.7	1100.4	.0000	.0000	.2202	.9927	.9863
18900.0	-.1395	-.7593	4184.7	526.17	794.7	1100.5	.0000	.0000	.2214	.9928	.9864
18800.0	-.1350	-.7437	4186.4	526.20	794.6	1100.7	.0000	.0000	.2227	.9928	.9865
18700.0	-.1307	-.7287	4188.2	526.22	794.6	1100.8	.0000	.0000	.2240	.9929	.9866
18600.0	-.1267	-.7141	4189.9	526.25	794.5	1100.9	.0000	.0000	.2253	.9929	.9866
18500.0	-.1228	-.7001	4191.6	526.27	794.5	1101.0	.0000	.0000	.2266	.9930	.9867
18400.0	-.1190	-.6866	4193.3	526.30	794.5	1101.1	.0000	.0000	.2279	.9930	.9868
18300.0	-.1154	-.6735	4195.0	526.32	794.4	1101.3	.0000	.0000	.2292	.9931	.9869
18200.0	-.1120	-.6608	4196.8	526.34	794.4	1101.4	.0000	.0000	.2306	.9931	.9870
18100.0	-.1087	-.6485	4198.5	526.37	794.4	1101.5	.0000	.0000	.2320	.9932	.9871
18000.0	-.1055	-.6367	4200.2	526.39	794.3	1101.6	.0000	.0000	.2333	.9932	.9872
17900.0	-.1025	-.6252	4202.0	526.42	794.3	1101.7	.0000	.0000	.2347	.9933	.9873
17800.0	-.0995	-.6140	4203.7	526.44	794.2	1101.9	.0000	.0000	.2362	.9933	.9873
17700.0	-.0967	-.6031	4205.5	526.47	794.2	1102.0	.0000	.0000	.2376	.9933	.9874
17600.0	-.0940	-.5926	4207.2	526.49	794.2	1102.1	.0000	.0000	.2390	.9934	.9875
17500.0	-.0914	-.5823	4208.9	526.52	794.1	1102.2	.0000	.0000	.2405	.9934	.9876
17400.0	-.0888	-.5724	4210.7	526.54	794.1	1102.3	.0000	.0000	.2420	.9935	.9877
17300.0	-.0864	-.5627	4212.4	526.57	794.1	1102.5	.0000	.0000	.2435	.9935	.9878
17200.0	-.0840	-.5532	4214.2	526.59	794.0	1102.6	.0000	.0000	.2450	.9936	.9878
17100.0	-.0817	-.5440	4215.9	526.62	794.0	1102.7	.0000	.0000	.2465	.9936	.9879
17000.0	-.0795	-.5351	4217.7	526.64	793.9	1102.8	.0000	.0000	.2481	.9937	.9880
16900.0	-.0774	-.5263	4219.5	526.67	793.9	1103.0	.0000	.0000	.2497	.9937	.9881
16800.0	-.0754	-.5178	4221.2	526.69	793.9	1103.1	.0000	.0000	.2513	.9938	.9882
16700.0	-.0734	-.5095	4223.0	526.72	793.8	1103.2	.0000	.0000	.2529	.9938	.9883
16600.0	-.0714	-.5014	4224.8	526.74	793.8	1103.3	.0000	.0000	.2545	.9939	.9884
16500.0	-.0696	-.4937	4226.5	526.77	793.8	1103.5	.0000	.0000	.2562	.9939	.9885
16400.0	-.0678	-.4859	4228.3	526.79	793.7	1103.6	.0000	.0000	.2578	.9940	.9885
16300.0	-.0661	-.4783	4230.1	526.82	793.7	1103.7	.0000	.0000	.2595	.9940	.9886
16200.0	-.0644	-.4708	4231.8	526.84	793.6	1103.8	.0000	.0000	.2612	.9940	.9887
16100.0	-.0627	-.4635	4233.6	526.87	793.6	1103.9	.0000	.0000	.2630	.9941	.9888
16000.0	-.0611	-.4563	4235.4	526.89	793.6	1104.1	.0000	.0000	.2647	.9941	.9889
15900.0	-.0596	-.4493	4237.2	526.92	793.5	1104.2	.0000	.0000	.2665	.9942	.9890
15800.0	-.0580	-.4424	4239.0	526.95	793.5	1104.3	.0000	.0000	.2683	.9942	.9891
15700.0	-.0565	-.4356	4240.8	526.97	793.5	1104.4	.0000	.0000	.2701	.9943	.9892
15600.0	-.0551	-.4290	4242.5	527.00	793.4	1104.6	.0000	.0000	.2720	.9943	.9892
15500.0	-.0537	-.4224	4244.3	527.02	793.4	1104.7	.0000	.0000	.2738	.9944	.9893
15400.0	-.0523	-.4160	4246.1	527.05	793.3	1104.8	.0000	.0000	.2757	.9944	.9894
15300.0	-.0510	-.4097	4247.9	527.07	793.3	1104.9	.0000	.0000	.2776	.9945	.9895
15200.0	-.0497	-.4035	4249.7	527.10	793.3	1105.1	.0000	.0000	.2796	.9945	.9895
15100.0	-.0485	-.3974	4251.5	527.12	793.2	1105.2	.0000	.0000	.2816	.9946	.9896
15000.0	-.0472	-.3913	4253.3	527.15	793.2	1105.3	.0000	.0000	.2836	.9946	.9897
14900.0	-.0460	-.3854	4255.1	527.17	793.1	1105.4	.0000	.0000	.2856	.9947	.9898
14800.0	-.0449	-.3796	4256.9	527.20	793.1	1105.6	.0000	.0000	.2876	.9947	.9899
14700.0	-.0437	-.3739	4258.8	527.23	793.1	1105.7	.0000	.0000	.2897	.9948	.9900
14600.0	-.0426	-.3682	4260.6	527.25	793.0	1105.8	.0000	.0000	.2918	.9948	.9901
14500.0	-.0415	-.3626	4262.4	527.28	793.0	1105.9	.0000	.0000	.2940	.9949	.9902
14400.0	-.0405	-.3572	4264.2	527.30	792.9	1106.1	.0000	.0000	.2961	.9949	.9903
14300.0	-.0395	-.3518	4266.0	527.33	792.9	1106.2	.0000	.0000	.2983	.9950	.9904
14200.0	-.0385	-.3464	4267.8	527.35	792.9	1106.3	.0000	.0000	.3006	.9950	.9905
14100.0	-.0375	-.3412	4269.7	527.38	792.8	1106.4	.0000	.0000	.3028	.9951	.9906
14000.0	-.0365	-.3360	4271.5	527.41	792.8	1106.6	.0000	.0000	.3051	.9951	.9907
13900.0	-.0356	-.3309	4273.3	527.43	792.8	1106.7	.0000	.0000	.3074	.9952	.9908
13800.0	-.0347	-.3258	4275.2	527.46	792.7	1106.8	.0000	.0000	.3098	.9952	.9909
13700.0	-.0338	-.3208	4277.0	527.48	792.7	1107.0	.0000	.0000	.3122	.9953	.9910
13600.0	-.0329	-.3159	4278.8	527.51	792.6	1107.1	.0000	.0000	.3146	.9953	.9910
13500.0	-.0321	-.3110	4280.7	527.53	792.6	1107.2	.0000	.0000	.3171	.9953	.9911
13400.0	-.0313	-.3062	4282.5	527.56	792.5	1107.3	.0000	.0000	.3196	.9954	.9912
13300.0	-.0304	-.3015	4284.4	527.59	792.5	1107.5	.0000	.0000	.3221	.9954	.9913
13200.0	-.0296	-.2968	4286.2	527.61	792.4	1107.6	.0000	.0000	.3247	.9955	.9914
13100.0	-.0289	-.2922	4288.1	527.64	792.4	1107.7	.0000	.0000	.3273	.9955	.9915
13000.0	-.0281	-.2876	4289.9	527.66	792.4	1107.9	.0000	.0000	.3300	.9956	.9916
12900.0	-.0274	-.2831	4291.8	527.69	792.4	1108.0	.0000	.0000	.3327	.9956	.9917
12800.0	-.0267	-.2786	4293.6	527.72	792.3	1108.1	.0000	.0000	.3354	.9957	.9918
12700.0	-.0260	-.2741	4295.5	527.74	792.3	1108.2	.0000	.0000	.3382	.9957	.9919
12600.0	-.0253	-.2698	4297.4	527.77	792.2	1108.4	.0000	.0000	.3411	.9958	.9920
12500.0	-.0246	-.2654	4299.2	527.79	792.2	1108.5	.0000	.0000	.3439	.9958	.9921
12400.0	-.0239	-.2611	4301.1	527.82	792.2	1108.6	.0000	.0000	.3469	.9959	.9922
12300.0	-.0233	-.2568	4303.0	527.85	792.1	1108.7	.0000	.0000	.3498	.9959	.9922
12200.0	-.0227	-.2527	4304.9	527.87	792.1	1108.9	.0000	.0000	.3529	.9960	.9923
12100.0	-.0220	-.2485	4306.7	527.90	792.0	1109.0	.0000	.0000	.3559	.9960	.9924

TABLE 2. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 530 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
12000.0	-.0214	-.2444	4308.6	527.93	792.0	1109.1	.0000	.0000	.3721	.9961	.9975
11900.0	-.0209	-.2404	4310.5	527.94	792.0	1109.3	.0000	.0000	.3722	.9961	.9976
11800.0	-.0203	-.2363	4312.4	527.98	791.9	1109.4	.0000	.0000	.3688	.9962	.9977
11700.0	-.0197	-.2323	4314.3	528.01	791.9	1109.5	.0000	.0000	.3687	.9962	.9978
11600.0	-.0192	-.2284	4316.2	528.03	791.8	1109.7	.0000	.0000	.3721	.9963	.9979
11500.0	-.0186	-.2244	4318.1	528.06	791.8	1109.8	.0000	.0000	.3755	.9963	.9980
11400.0	-.0181	-.2205	4320.0	528.08	791.8	1109.9	.0000	.0000	.3789	.9964	.9981
11300.0	-.0176	-.2169	4321.9	528.11	791.7	1110.0	.0000	.0000	.3825	.9964	.9982
11200.0	-.0171	-.2129	4323.8	528.14	791.7	1110.2	.0000	.0000	.3860	.9965	.9983
11100.0	-.0166	-.2091	4325.7	528.16	791.6	1110.3	.0000	.0000	.3897	.9965	.9984
11000.0	-.0161	-.2053	4327.6	528.19	791.6	1110.4	.0000	.0000	.3934	.9966	.9985
10900.0	-.0156	-.2016	4329.5	528.22	791.5	1110.5	.0000	.0000	.3972	.9966	.9986
10800.0	-.0152	-.1979	4331.4	528.24	791.5	1110.7	.0000	.0000	.4011	.9967	.9987
10700.0	-.0147	-.1942	4333.3	528.27	791.5	1110.8	.0000	.0000	.4050	.9967	.9988
10600.0	-.0143	-.1906	4335.2	528.30	791.4	1111.0	.0000	.0000	.4090	.9968	.9988
10500.0	-.0138	-.1870	4337.1	528.33	791.4	1111.1	.0000	.0000	.4131	.9968	.9989
10400.0	-.0134	-.1834	4339.0	528.35	791.4	1111.2	.0000	.0000	.4171	.9969	.9990
10300.0	-.0130	-.1798	4341.0	528.38	791.3	1111.4	.0000	.0000	.4213	.9969	.9991
10200.0	-.0126	-.1763	4342.9	528.41	791.3	1111.5	.0000	.0000	.4255	.9970	.9992
10100.0	-.0122	-.1728	4344.9	528.43	791.2	1111.6	.0000	.0000	.4302	.9970	.9993
10000.0	-.0118	-.1693	4346.8	528.46	791.2	1111.8	.0000	.0000	.4347	.9971	.9994
9900.0	-.0114	-.1659	4348.7	528.49	791.1	1111.9	.0000	.0000	.4393	.9971	.9995
9800.0	-.0110	-.1624	4350.7	528.51	791.1	1112.0	.0000	.0000	.4439	.9972	.9996
9700.0	-.0107	-.1590	4352.6	528.54	791.0	1112.1	.0000	.0000	.4487	.9972	.9997
9600.0	-.0103	-.1556	4354.6	528.57	791.0	1112.3	.0000	.0000	.4536	.9973	.9998
9500.0	-.0100	-.1523	4356.5	528.59	791.0	1112.4	.0000	.0000	.4586	.9973	.9999
9400.0	-.0096	-.1490	4358.5	528.62	790.9	1112.5	.0000	.0000	.4637	.9974	.9999
9300.0	-.0093	-.1456	4360.4	528.65	790.9	1112.7	.0000	.0000	.4689	.9974	.9999
9200.0	-.0090	-.1423	4362.4	528.68	790.8	1112.8	.0000	.0000	.4742	.9975	.9999
9100.0	-.0087	-.1390	4364.3	528.70	790.8	1112.9	.0000	.0000	.4796	.9976	.9999
9000.0	-.0083	-.1358	4366.3	528.73	790.8	1113.1	.0000	.0000	.4851	.9976	.9999
8900.0	-.0080	-.1325	4368.3	528.76	790.7	1113.2	.0000	.0000	.4908	.9977	.9999
8800.0	-.0077	-.1293	4370.3	528.79	790.7	1113.3	.0000	.0000	.4966	.9977	.9999
8700.0	-.0074	-.1261	4372.3	528.81	790.6	1113.5	.0000	.0000	.5026	.9978	.9999
8600.0	-.0072	-.1229	4374.2	528.84	790.6	1113.6	.0000	.0000	.5086	.9978	.9999
8500.0	-.0069	-.1198	4376.2	528.87	790.6	1113.8	.0000	.0000	.5149	.9979	.9999
8400.0	-.0066	-.1166	4378.2	528.90	790.5	1113.9	.0000	.0000	.5212	.9979	.9999
8300.0	-.0063	-.1135	4380.1	528.92	790.5	1114.0	.0000	.0000	.5277	.9980	.9999
8200.0	-.0061	-.1103	4382.1	528.95	790.4	1114.2	.0000	.0000	.5344	.9980	.9999
8100.0	-.0058	-.1072	4384.1	528.98	790.4	1114.3	.0000	.0000	.5412	.9981	.9999
8000.0	-.0056	-.1041	4386.1	529.00	790.4	1114.4	.0000	.0000	.5483	.9981	.9999
7900.0	-.0053	-.1011	4388.1	529.03	790.3	1114.6	.0000	.0000	.5555	.9982	.9999
7800.0	-.0051	-.0980	4390.1	529.06	790.3	1114.7	.0000	.0000	.5629	.9982	.9999
7700.0	-.0048	-.0949	4392.1	529.09	790.3	1114.8	.0000	.0000	.5704	.9983	.9999
7600.0	-.0046	-.0919	4394.1	529.11	790.2	1114.9	.0000	.0000	.5781	.9983	.9999
7500.0	-.0044	-.0889	4396.1	529.14	790.1	1115.1	.0000	.0000	.5861	.9984	.9999
7400.0	-.0042	-.0859	4398.1	529.17	790.1	1115.2	.0000	.0000	.5943	.9984	.9999
7300.0	-.0040	-.0829	4400.1	529.20	790.1	1115.4	.0000	.0000	.6028	.9985	.9999
7200.0	-.0038	-.0799	4402.2	529.22	790.0	1115.5	.0000	.0000	.6114	.9985	.9999
7100.0	-.0036	-.0769	4404.2	529.25	790.0	1115.7	.0000	.0000	.6203	.9986	.9999
7000.0	-.0034	-.0739	4406.2	529.28	789.9	1115.8	.0000	.0000	.6295	.9986	.9999
6900.0	-.0032	-.0709	4408.2	529.31	789.9	1116.0	.0000	.0000	.6389	.9987	.9999
6800.0	-.0030	-.0680	4410.3	529.34	789.8	1116.1	.0000	.0000	.6486	.9987	.9999
6700.0	-.0029	-.0650	4412.3	529.36	789.8	1116.2	.0000	.0000	.6586	.9988	.9999
6600.0	-.0027	-.0621	4414.3	529.39	789.8	1116.3	.0000	.0000	.6688	.9989	.9999
6500.0	-.0025	-.0592	4416.4	529.42	789.7	1116.5	.0000	.0000	.6794	.9989	.9999
6400.0	-.0024	-.0562	4418.4	529.44	789.7	1116.6	.0000	.0000	.6904	.9990	.9999
6300.0	-.0022	-.0533	4420.5	529.48	789.6	1116.8	.0000	.0000	.7017	.9990	.9999
6200.0	-.0020	-.0504	4422.5	529.50	789.6	1116.9	.0000	.0000	.7133	.9991	.9999
6100.0	-.0019	-.0475	4424.6	529.53	789.5	1117.0	.0000	.0000	.7253	.9991	.9999
6000.0	-.0017	-.0446	4426.6	529.56	789.5	1117.2	.0000	.0000	.7378	.9992	.9999
5900.0	-.0016	-.0417	4428.7	529.59	789.5	1117.3	.0000	.0000	.7506	.9992	.9999
5800.0	-.0015	-.0388	4430.7	529.62	789.4	1117.4	.0000	.0000	.7639	.9993	.9999
5700.0	-.0013	-.0359	4432.8	529.65	789.4	1117.6	.0000	.0000	.7777	.9993	.9999
5600.0	-.0012	-.0330	4434.9	529.67	789.3	1117.7	.0000	.0000	.7919	.9994	.9999
5500.0	-.0011	-.0301	4436.9	529.70	789.3	1117.9	.0000	.0000	.8067	.9994	.9999
5400.0	-.0009	-.0273	4439.0	529.73	789.2	1118.0	.0000	.0000	.8220	.9995	.9999
5300.0	-.0008	-.0243	3831.1	521.70	634.2	1090.1	.0056	.2137	.7323	.9843	.8029
5200.0	-.0007	-.0214	3694.9	518.66	585.8	1070.4	.0088	.2794	.7086	.9748	.7617
5100.0	-.0006	-.0186	3550.1	516.51	554.1	1071.8	.0103	.3220	.6961	.9745	.7014
5000.0	-.0005	-.0157	3443.1	514.75	529.9	1065.5	.0115	.3545	.6886	.9712	.6711
4900.0	-.0004	-.0128	3352.6	513.23	509.9	1060.1	.0125	.3811	.6862	.9684	.6550
4800.0	-.0003	-.0099	3271.8	511.88	493.9	1055.3	.0134	.4036	.6833	.9659	.6345
4700.0	-.0002	-.0070	3203.5	510.66	479.1	1050.9	.0142	.4232	.6816	.9635	.6059
4600.0	-.0001	-.0041	3139.6	509.52	464.8	1046.9	.0149	.4407	.6825	.9614	.5691
4500.0	-.0000	-.0012	3080.7	508.47	452.8	1043.1	.0155	.4564	.6846	.9594	.5740

TABLE I. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 540 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
22120.0	********	********	4847.5	535.13	780.8	1144.8	.0000	.0000	.2191	.9910	.9829
22100.0	-3.7211	-9.9724	4848.0	535.14	780.8	1144.9	.0000	.0000	.2194	.9910	.9829
22000.0	-1.3388	-3.9579	4850.0	535.17	780.7	1145.0	.0000	.0000	.2205	.9910	.9830
21900.0	-.9197	-2.9572	4852.1	535.19	780.7	1145.1	.0000	.0000	.2216	.9911	.9831
21800.0	-.7409	-2.4502	4854.1	535.22	780.7	1145.2	.0000	.0000	.2227	.9911	.9832
21700.0	-.6354	-2.1496	4856.2	535.24	780.6	1145.4	.0000	.0000	.2238	.9911	.9833
21600.0	-.5563	-1.9193	4858.3	535.27	780.6	1145.5	.0000	.0000	.2249	.9912	.9834
21500.0	-.4974	-1.7509	4860.3	535.30	780.5	1145.6	.0000	.0000	.2261	.9913	.9835
21400.0	-.4512	-1.6197	4862.4	535.32	780.5	1145.8	.0000	.0000	.2272	.9913	.9835
21300.0	-.4136	-1.5131	4864.4	535.35	780.4	1145.9	.0000	.0000	.2284	.9914	.9836
21200.0	-.3827	-1.4268	4866.5	535.38	780.4	1146.0	.0000	.0000	.2296	.9914	.9837
21100.0	-.3562	-1.3527	4868.6	535.40	780.4	1146.2	.0000	.0000	.2307	.9915	.9838
21000.0	-.3333	-1.2880	4870.6	535.43	780.3	1146.3	.0000	.0000	.2319	.9915	.9839
20900.0	-.3133	-1.2308	4872.7	535.46	780.3	1146.4	.0000	.0000	.2331	.9916	.9840
20800.0	-.2956	-1.1797	4874.8	535.48	780.2	1146.6	.0000	.0000	.2344	.9916	.9841
20700.0	-.2797	-1.1335	4876.9	535.51	780.2	1146.7	.0000	.0000	.2356	.9917	.9842
20600.0	-.2654	-1.1315	4879.0	535.53	780.2	1146.8	.0000	.0000	.2368	.9917	.9843
20500.0	-.2524	-1.0933	4881.0	535.55	780.1	1147.0	.0000	.0000	.2381	.9918	.9844
20400.0	-.2405	-1.0588	4883.1	535.59	780.1	1147.1	.0000	.0000	.2394	.9918	.9845
20300.0	-.2297	-1.0277	4885.2	535.61	780.0	1147.2	.0000	.0000	.2407	.9919	.9845
20200.0	-.2198	-.9990	4887.3	535.64	780.0	1147.4	.0000	.0000	.2419	.9920	.9846
20100.0	-.2103	-.9654	4889.4	535.67	779.9	1147.5	.0000	.0000	.2433	.9920	.9847
20000.0	-.2017	-.9385	4891.5	535.69	779.9	1147.6	.0000	.0000	.2446	.9920	.9848
19900.0	-.1936	-.9132	4893.6	535.72	779.9	1147.8	.0000	.0000	.2459	.9921	.9849
19800.0	-.1860	-.8893	4895.7	535.75	779.8	1147.9	.0000	.0000	.2473	.9921	.9850
19700.0	-.1789	-.8666	4897.8	535.77	779.8	1148.0	.0000	.0000	.2486	.9922	.9851
19600.0	-.1723	-.8451	4899.9	535.80	779.7	1148.2	.0000	.0000	.2500	.9922	.9852
19500.0	-.1660	-.8246	4902.1	535.83	779.7	1148.3	.0000	.0000	.2514	.9923	.9853
19400.0	-.1600	-.8051	4904.2	535.86	779.6	1148.4	.0000	.0000	.2528	.9923	.9854
19300.0	-.1544	-.7864	4906.3	535.88	779.6	1148.5	.0000	.0000	.2542	.9924	.9855
19200.0	-.1491	-.7688	4908.4	535.91	779.6	1148.7	.0000	.0000	.2556	.9924	.9856
19100.0	-.1440	-.7514	4910.6	535.94	779.5	1148.8	.0000	.0000	.2571	.9925	.9856
19000.0	-.1392	-.7350	4912.7	535.96	779.5	1149.0	.0000	.0000	.2584	.9925	.9857
18900.0	-.1346	-.7192	4914.8	535.99	779.4	1149.1	.0000	.0000	.2600	.9926	.9858
18800.0	-.1302	-.7040	4917.0	536.02	779.4	1149.3	.0000	.0000	.2615	.9926	.9859
18700.0	-.1260	-.6894	4919.1	536.04	779.3	1149.4	.0000	.0000	.2631	.9927	.9860
18600.0	-.1221	-.6753	4921.2	536.07	779.3	1149.5	.0000	.0000	.2644	.9927	.9861
18500.0	-.1182	-.6616	4923.4	536.10	779.3	1149.6	.0000	.0000	.2661	.9928	.9862
18400.0	-.1146	-.6485	4925.5	536.13	779.2	1149.8	.0000	.0000	.2677	.9928	.9863
18300.0	-.1111	-.6357	4927.7	536.15	779.2	1149.9	.0000	.0000	.2693	.9929	.9864
18200.0	-.1077	-.6234	4929.8	536.18	779.1	1150.1	.0000	.0000	.2709	.9929	.9865
18100.0	-.1044	-.6115	4932.0	536.21	779.1	1150.2	.0000	.0000	.2725	.9930	.9866
18000.0	-.1013	-.5999	4934.2	536.23	779.0	1150.3	.0000	.0000	.2741	.9930	.9867
17900.0	-.0983	-.5887	4936.3	536.26	779.0	1150.5	.0000	.0000	.2758	.9931	.9868
17800.0	-.0955	-.5778	4938.5	536.29	778.9	1150.6	.0000	.0000	.2774	.9931	.9869
17700.0	-.0927	-.5672	4940.7	536.32	778.9	1150.7	.0000	.0000	.2791	.9932	.9870
17600.0	-.0900	-.5570	4942.8	536.34	778.9	1150.9	.0000	.0000	.2808	.9932	.9870
17500.0	-.0875	-.5470	4945.0	536.37	778.8	1151.0	.0000	.0000	.2825	.9933	.9871
17400.0	-.0850	-.5373	4947.2	536.40	778.8	1151.1	.0000	.0000	.2843	.9933	.9872
17300.0	-.0826	-.5278	4949.4	536.43	778.7	1151.3	.0000	.0000	.2861	.9934	.9873
17200.0	-.0803	-.5186	4951.5	536.45	778.7	1151.4	.0000	.0000	.2878	.9934	.9874
17100.0	-.0781	-.5097	4953.7	536.48	778.6	1151.6	.0000	.0000	.2897	.9935	.9875
17000.0	-.0759	-.5010	4955.9	536.51	778.6	1151.7	.0000	.0000	.2915	.9935	.9876
16900.0	-.0738	-.4924	4958.1	536.54	778.6	1151.8	.0000	.0000	.2934	.9936	.9877
16800.0	-.0718	-.4841	4960.3	536.56	778.5	1152.0	.0000	.0000	.2953	.9936	.9878
16700.0	-.0698	-.4760	4962.5	536.59	778.5	1152.1	.0000	.0000	.2972	.9937	.9879
16600.0	-.0680	-.4681	4964.7	536.62	778.4	1152.3	.0000	.0000	.2991	.9937	.9880
16500.0	-.0662	-.4606	4967.0	536.65	778.4	1152.4	.0000	.0000	.3010	.9938	.9881
16400.0	-.0645	-.4531	4969.2	536.68	778.3	1152.5	.0000	.0000	.3030	.9938	.9882
16300.0	-.0627	-.4456	4971.4	536.70	778.3	1152.7	.0000	.0000	.3050	.9939	.9883
16200.0	-.0611	-.4383	4973.6	536.73	778.2	1152.8	.0000	.0000	.3070	.9939	.9884
16100.0	-.0594	-.4312	4975.8	536.76	778.2	1153.0	.0000	.0000	.3091	.9940	.9885
16000.0	-.0579	-.4242	4978.1	536.79	778.2	1153.1	.0000	.0000	.3111	.9940	.9886
15900.0	-.0564	-.4170	4980.3	536.81	778.1	1153.3	.0000	.0000	.3132	.9941	.9887
15800.0	-.0549	-.4106	4982.5	536.84	778.1	1153.4	.0000	.0000	.3153	.9941	.9888
15700.0	-.0535	-.4040	4984.7	536.87	778.0	1153.5	.0000	.0000	.3174	.9942	.9889
15600.0	-.0521	-.3975	4987.0	536.90	778.0	1153.7	.0000	.0000	.3197	.9943	.9890
15500.0	-.0507	-.3912	4989.2	536.93	777.9	1153.8	.0000	.0000	.3219	.9943	.9891
15400.0	-.0494	-.3849	4991.5	536.95	777.9	1153.9	.0000	.0000	.3241	.9944	.9892
15300.0	-.0481	-.3787	4993.7	536.98	777.8	1154.1	.0000	.0000	.3264	.9944	.9893
15200.0	-.0468	-.3727	4996.0	537.01	777.8	1154.2	.0000	.0000	.3287	.9945	.9894
15100.0	-.0456	-.3667	4998.2	537.04	777.7	1154.4	.0000	.0000	.3310	.9945	.9895
15000.0	-.0444	-.3608	5000.5	537.07	777.7	1154.5	.0000	.0000	.3334	.9946	.9896
14900.0	-.0432	-.3549	5002.8	537.10	777.7	1154.6	.0000	.0000	.3358	.9946	.9897
14800.0	-.0421	-.3494	5005.0	537.13	777.6	1154.8	.0000	.0000	.3382	.9947	.9897
14700.0	-.0410	-.3438	5007.3	537.16	777.6	1154.9	.0000	.0000	.3406	.9947	.9898
14600.0	-.0399	-.3383	5009.6	537.18	777.5	1155.1	.0000	.0000	.3431	.9948	.9899
14500.0	-.0389	-.3328	5011.9	537.21	777.5	1155.2	.0000	.0000	.3456	.9948	.9900
14400.0	-.0379	-.3275	5014.1	537.24	777.4	1155.4	.0000	.0000	.3482	.9949	.9901
14300.0	-.0369	-.3222	5016.4	537.27	777.4	1155.5	.0000	.0000	.3508	.9949	.9902
14200.0	-.0359	-.3170	5018.7	537.29	777.3	1155.6	.0000	.0000	.3534	.9950	.9903
14100.0	-.0349	-.3119	5021.0	537.32	777.3	1155.8	.0000	.0000	.3561	.9950	.9904
14000.0	-.0340	-.3068	5023.3	537.35	777.2	1155.9	.0000	.0000	.3588	.9951	.9905
13900.0	-.0331	-.3018	5025.6	537.38	777.2	1156.1	.0000	.0000	.3616	.9951	.9906
13800.0	-.0322	-.2969	5027.9	537.41	777.1	1156.2	.0000	.0000	.3643	.9952	.9907
13700.0	-.0314	-.2920	5030.2	537.44	777.1	1156.4	.0000	.0000	.3672	.9953	.9908
13600.0	-.0305	-.2872	5032.5	537.47	777.1	1156.5	.0000	.0000	.3700	.9953	.9909
13500.0	-.0297	-.2824	5034.9	537.49	777.0	1156.6	.0000	.0000	.3729	.9954	.9910
13400.0	-.0289	-.2777	5037.2	537.52	777.0	1156.8	.0000	.0000	.3759	.9954	.9911
13300.0	-.0281	-.2731	5039.6	537.55	776.9	1156.9	.0000	.0000	.3789	.9955	.9912
13200.0	-.0274	-.2685	5041.8	537.58	776.9	1157.1	.0000	.0000	.3820	.9955	.9913
13100.0	-.0266	-.2640	5044.1	537.61	776.8	1157.2	.0000	.0000	.3850	.9956	.9915
13000.0	-.0259	-.2595	5046.4	537.64	776.8	1157.4	.0000	.0000	.3882	.9956	.9916
12900.0	-.0252	-.2551	5048.7	537.67	776.7	1157.5	.0000	.0000	.3914	.9957	.9917
12800.0	-.0245	-.2507	5051.1	537.70	776.7	1157.7	.0000	.0000	.3946	.9957	.9918
12700.0	-.0238	-.2464	5053.4	537.73	776.6	1157.8	.0000	.0000	.3979	.9958	.9919
12600.0	-.0231	-.2421	5055.8	537.76	776.6	1157.9	.0000	.0000	.4013	.9958	.9920
12500.0	-.0225	-.2379	5058.1	537.79	776.6	1158.1	.0000	.0000	.4046	.9959	.9921
12400.0	-.0219	-.2337	5060.5	537.81	776.5	1158.2	.0000	.0000	.4081	.9960	.9923
12300.0	-.0212	-.2295	5062.8	537.84	776.5	1158.4	.0000	.0000	.4114	.9960	.9923
12200.0	-.0206	-.2254	5065.2	537.87	776.4	1158.5	.0000	.0000	.4152	.9961	.9924
12100.0	-.0200	-.2214	5067.6	537.90	776.4	1158.7	.0000	.0000	.4188	.9961	.9925

TABLE 7. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 540 K)

PO KPA	XO	AO	P* KPA	T* K	Q* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
12000.0	-.0195	-.2173	5069.9	537.93	776.3	1158.8	.0000	.0000	.4225	.9942	.9926
11900.0	-.0189	-.2134	5072.3	537.96	776.3	1159.0	.0000	.0000	.4767	.9943	.9927
11800.0	-.0183	-.2094	5074.7	537.99	776.2	1159.1	.0000	.0000	.4301	.9943	.9928
11700.0	-.0178	-.2055	5077.0	538.02	776.2	1159.3	.0000	.0000	.4339	.9943	.9929
11600.0	-.0173	-.2016	5079.4	538.05	776.1	1159.4	.0000	.0000	.4379	.9944	.9930
11500.0	-.0167	-.1978	5081.8	538.09	776.1	1159.6	.0000	.0000	.4419	.9944	.9931
11400.0	-.0162	-.1940	5084.2	538.11	776.0	1159.7	.0000	.0000	.4460	.9945	.9933
11300.0	-.0157	-.1902	5086.5	538.14	776.0	1159.9	.0000	.0000	.4501	.9945	.9933
11200.0	-.0153	-.1865	5089.0	538.17	775.9	1160.0	.0000	.0000	.4544	.9946	.9934
11100.0	-.0148	-.1828	5091.4	538.20	775.9	1160.2	.0000	.0000	.4587	.9947	.9935
11000.0	-.0143	-.1791	5093.8	538.22	775.8	1160.3	.0000	.0000	.4631	.9947	.9935
10900.0	-.0139	-.1754	5096.2	538.25	775.8	1160.5	.0000	.0000	.4675	.9948	.9937
10800.0	-.0134	-.1718	5098.6	538.28	775.7	1160.6	.0000	.0000	.4721	.9948	.9938
10700.0	-.0130	-.1682	5101.0	538.31	775.7	1160.8	.0000	.0000	.4767	.9949	.9939
10600.0	-.0126	-.1647	5103.5	538.34	775.6	1160.9	.0000	.0000	.4815	.9949	.9940
10500.0	-.0122	-.1611	5105.9	538.37	775.6	1161.1	.0000	.0000	.4863	.9950	.9941
10400.0	-.0118	-.1576	5108.3	538.40	775.6	1161.2	.0000	.0000	.4912	.9950	.9943
10300.0	-.0114	-.1541	5110.8	538.43	775.5	1161.4	.0000	.0000	.4963	.9951	.9944
10200.0	-.0110	-.1507	5113.2	538.46	775.5	1161.5	.0000	.0000	.5013	.9952	.9945
10100.0	-.0106	-.1473	5115.6	538.49	775.4	1161.7	.0000	.0000	.5065	.9952	.9946
10000.0	-.0102	-.1439	5118.1	538.52	775.4	1161.8	.0000	.0000	.5118	.9953	.9947
9900.0	-.0099	-.1405	5120.5	538.55	775.3	1162.0	.0000	.0000	.5172	.9953	.9948
9800.0	-.0095	-.1371	5123.0	538.58	775.3	1162.1	.0000	.0000	.5228	.9954	.9949
9700.0	-.0092	-.1338	5125.4	538.61	775.2	1162.3	.0000	.0000	.5284	.9954	.9950
9600.0	-.0088	-.1305	5127.9	538.64	775.2	1162.4	.0000	.0000	.5342	.9955	.9951
9500.0	-.0085	-.1272	5130.4	538.67	775.1	1162.6	.0000	.0000	.5400	.9955	.9952
9400.0	-.0082	-.1239	5132.8	538.70	775.1	1162.7	.0000	.0000	.5460	.9956	.9953
9300.0	-.0079	-.1206	5135.3	538.73	775.0	1162.9	.0000	.0000	.5522	.9957	.9954
9200.0	-.0076	-.1174	5137.8	538.75	775.0	1163.0	.0000	.0000	.5585	.9957	.9955
9100.0	-.0073	-.1142	5140.3	538.80	774.9	1163.2	.0000	.0000	.5649	.9958	.9957
9000.0	-.0070	-.1110	5142.8	538.83	774.9	1163.3	.0000	.0000	.5714	.9958	.9958
8900.0	-.0067	-.1078	5145.3	538.86	774.8	1163.5	.0000	.0000	.5781	.9959	.9959
8800.0	-.0064	-.1047	5147.7	538.89	774.8	1163.6	.0000	.0000	.5850	.9959	.9960
8700.0	-.0061	-.1015	5150.2	538.92	774.7	1163.8	.0000	.0000	.5920	.9960	.9961
8600.0	-.0059	-.0984	5152.8	538.95	774.7	1163.9	.0000	.0000	.5992	.9961	.9963
8500.0	-.0056	-.0953	5155.3	538.98	774.6	1164.1	.0000	.0000	.6065	.9961	.9963
8400.0	-.0053	-.0922	5157.8	539.01	774.6	1164.3	.0000	.0000	.6140	.9962	.9964
8300.0	-.0051	-.0891	5160.3	539.04	774.5	1164.4	.0000	.0000	.6217	.9962	.9965
8200.0	-.0048	-.0861	5162.8	539.07	774.5	1164.6	.0000	.0000	.6296	.9963	.9966
8100.0	-.0046	-.0830	5165.3	539.10	774.4	1164.7	.0000	.0000	.6377	.9963	.9967
8000.0	-.0044	-.0800	5167.9	539.13	774.4	1164.9	.0000	.0000	.6460	.9964	.9969
7900.0	-.0042	-.0770	5170.4	539.16	774.3	1165.0	.0000	.0000	.6545	.9964	.9970
7800.0	-.0039	-.0740	5172.9	539.19	774.3	1165.2	.0000	.0000	.6632	.9965	.9971
7700.0	-.0037	-.0710	5175.5	539.22	774.2	1165.3	.0000	.0000	.6721	.9966	.9972
7600.0	-.0035	-.0680	5178.0	539.26	774.2	1165.5	.0000	.0000	.6813	.9966	.9973
7500.0	-.0033	-.0650	5180.6	539.29	774.1	1165.7	.0000	.0000	.6907	.9967	.9974
7400.0	-.0031	-.0621	5183.1	539.32	774.1	1165.8	.0000	.0000	.7004	.9967	.9975
7300.0	-.0029	-.0591	5185.7	539.35	774.0	1166.0	.0000	.0000	.7104	.9968	.9976
7200.0	-.0027	-.0562	5188.3	539.38	774.0	1166.1	.0000	.0000	.7206	.9968	.9977
7100.0	-.0025	-.0533	5190.8	539.41	773.9	1166.3	.0000	.0000	.7311	.9969	.9979
7000.0	-.0024	-.0503	5193.4	539.44	773.9	1166.4	.0000	.0000	.7419	.9969	.9980
6900.0	-.0022	-.0474	5196.0	539.47	773.8	1166.6	.0000	.0000	.7530	.9969	.9981
6800.0	-.0020	-.0445	5198.6	539.51	773.8	1166.8	.0000	.0000	.7644	.9971	.9982
6700.0	-.0019	-.0416	5201.2	539.54	773.7	1166.9	.0000	.0000	.7763	.9971	.9983
6600.0	-.0017	-.0388	5203.8	539.57	773.7	1167.1	.0000	.0000	.7884	.9972	.9984
6500.0	-.0016	-.0359	5206.3	539.60	773.6	1167.2	.0000	.0000	.8010	.9973	.9985
6400.0	-.0014	-.0330	5208.9	539.63	773.6	1167.4	.0000	.0000	.8139	.9973	.9987
6300.0	-.0013	-.0301	4716.7	533.44	661.6	1096.0	.0051	.1604	.7487	.9879	.8543
6200.0	-.0011	-.0273	4486.3	529.97	609.7	1053.9	.0067	.2364	.7188	.9814	.7848
6100.0	-.0010	-.0244	4249.6	527.66	574.8	1025.8	.0106	.2894	.7032	.9771	.7424
6000.0	-.0009	-.0216	4159.0	525.40	549.8	1119.2	.0171	.3159	.6932	.9737	.7103
5900.0	-.0007	-.0187	4040.5	524.21	529.4	1111.6	.0133	.3450	.6854	.9708	.6841
5800.0	-.0006	-.0159	3958.0	523.80	512.2	1104.9	.0143	.3685	.6810	.9682	.6620
5700.0	-.0005	-.0130	3870.6	523.54	497.5	1104.2	.0192	.3892	.6781	.9654	.6437
5600.0	-.0004	-.0102	3794.2	523.37	483.9	1100.0	.0140	.4074	.6775	.9636	.6254
5500.0	-.0003	-.0074	3724.1	519.28	471.4	1094.2	.0168	.4238	.6771	.9616	.6099
5400.0	-.0002	-.0045	3659.4	519.26	460.6	1092.5	.0179	.4387	.6777	.9607	.5958
5300.0	-.0001	-.0017	3599.4	517.30	450.5	1089.1	.0191	.4523	.6791	.9580	.5828

TABLE . SUBCOOLED CRITICAL STATE PROPERTIES

(TO 550 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
22120.0	*******	*******	5655.9	544.87	764.9	1194.0	.0000	.0000	.2557	.9907	.9821
22100.0	-3.6651	-9.6301	5656.4	544.88	764.9	1194.1	.0000	.0000	.2559	.9907	.9821
22000.0	-1.3130	-3.6114	5659.0	544.91	764.8	1194.2	.0000	.0000	.2572	.9907	.9822
21900.0	-.8106	-2.8839	5661.5	544.94	764.8	1194.4	.0000	.0000	.2585	.9908	.9823
21800.0	-.7145	-2.7827	5664.1	544.97	764.7	1194.5	.0000	.0000	.2598	.9908	.9824
21700.0	-.6217	-2.6618	5666.6	545.00	764.7	1194.7	.0000	.0000	.2611	.9909	.9825
21600.0	-.5438	-1.8543	5669.2	545.02	764.6	1194.8	.0000	.0000	.2624	.9910	.9826
21500.0	-.4857	-1.7051	5671.7	545.05	764.6	1194.9	.0000	.0000	.2638	.9910	.9827
21400.0	-.4403	-1.5818	5674.3	545.08	764.5	1195.1	.0000	.0000	.2652	.9911	.9828
21300.0	-.4035	-1.4849	5676.8	545.11	764.5	1195.2	.0000	.0000	.2665	.9911	.9829
21200.0	-.3720	-1.4009	5679.4	545.14	764.4	1195.4	.0000	.0000	.2679	.9912	.9830
21100.0	-.3448	-1.3292	5682.0	545.17	764.4	1195.5	.0000	.0000	.2693	.9912	.9831
21000.0	-.3243	-1.2666	5684.5	545.20	764.3	1195.7	.0000	.0000	.2707	.9913	.9832
20900.0	-.3066	-1.2112	5687.1	545.23	764.3	1195.8	.0000	.0000	.2721	.9913	.9833
20800.0	-.2872	-1.1617	5689.7	545.26	764.2	1196.0	.0000	.0000	.2734	.9914	.9834
20700.0	-.2714	-1.1170	5692.3	545.29	764.2	1196.1	.0000	.0000	.2750	.9914	.9835
20600.0	-.2575	-1.0763	5694.9	545.32	764.1	1196.3	.0000	.0000	.2764	.9915	.9836
20500.0	-.2448	-1.0390	5697.4	545.35	764.1	1196.4	.0000	.0000	.2779	.9915	.9836
20400.0	-.2331	-1.0046	5700.0	545.37	764.0	1196.6	.0000	.0000	.2794	.9916	.9837
20300.0	-.2224	-.9727	5702.6	545.40	764.0	1196.7	.0000	.0000	.2809	.9916	.9838
20200.0	-.2126	-.9430	5705.3	545.43	763.9	1196.9	.0000	.0000	.2824	.9917	.9839
20100.0	-.2035	-.9153	5707.9	545.46	763.9	1197.0	.0000	.0000	.2840	.9918	.9840
20000.0	-.1950	-.8892	5710.5	545.49	763.8	1197.2	.0000	.0000	.2855	.9919	.9841
19900.0	-.1870	-.8647	5713.1	545.52	763.8	1197.3	.0000	.0000	.2871	.9919	.9842
19800.0	-.1796	-.8418	5715.7	545.55	763.7	1197.5	.0000	.0000	.2887	.9919	.9843
19700.0	-.1727	-.8195	5718.3	545.58	763.7	1197.6	.0000	.0000	.2903	.9920	.9844
19600.0	-.1661	-.7986	5721.0	545.61	763.6	1197.8	.0000	.0000	.2919	.9920	.9846
19500.0	-.1600	-.7788	5723.6	545.64	763.6	1198.0	.0000	.0000	.2935	.9921	.9847
19400.0	-.1543	-.7598	5726.2	545.67	763.5	1198.1	.0000	.0000	.2952	.9921	.9848
19300.0	-.1488	-.7417	5728.9	545.70	763.5	1198.3	.0000	.0000	.2968	.9922	.9849
19200.0	-.1434	-.7244	5731.5	545.73	763.4	1198.4	.0000	.0000	.2985	.9922	.9850
19100.0	-.1384	-.7078	5734.2	545.76	763.4	1198.6	.0000	.0000	.3002	.9923	.9851
19000.0	-.1337	-.6919	5736.8	545.79	763.3	1198.7	.0000	.0000	.3019	.9923	.9852
18900.0	-.1292	-.6765	5739.5	545.82	763.3	1198.9	.0000	.0000	.3037	.9924	.9853
18800.0	-.1248	-.6618	5742.2	545.85	763.2	1199.0	.0000	.0000	.3054	.9925	.9854
18700.0	-.1208	-.6476	5744.9	545.88	763.2	1199.2	.0000	.0000	.3072	.9925	.9855
18600.0	-.1169	-.6339	5747.5	545.91	763.1	1199.3	.0000	.0000	.3090	.9926	.9856
18500.0	-.1132	-.6205	5750.2	545.94	763.1	1199.5	.0000	.0000	.3108	.9926	.9857
18400.0	-.1096	-.6079	5752.8	545.97	763.0	1199.6	.0000	.0000	.3127	.9927	.9858
18300.0	-.1062	-.5955	5755.5	546.00	763.0	1199.8	.0000	.0000	.3145	.9927	.9859
18200.0	-.1029	-.5835	5758.2	546.03	762.9	1199.9	.0000	.0000	.3164	.9928	.9860
18100.0	-.0997	-.5719	5760.9	546.06	762.9	1200.1	.0000	.0000	.3183	.9928	.9861
18000.0	-.0967	-.5607	5763.6	546.09	762.8	1200.3	.0000	.0000	.3202	.9929	.9862
17900.0	-.0938	-.5498	5766.3	546.12	762.8	1200.4	.0000	.0000	.3221	.9929	.9863
17800.0	-.0910	-.5392	5769.0	546.15	762.7	1200.6	.0000	.0000	.3241	.9930	.9864
17700.0	-.0883	-.5290	5771.7	546.18	762.6	1200.7	.0000	.0000	.3261	.9931	.9865
17600.0	-.0856	-.5190	5774.4	546.21	762.6	1200.9	.0000	.0000	.3281	.9931	.9866
17500.0	-.0831	-.5093	5777.2	546.24	762.5	1201.0	.0000	.0000	.3301	.9932	.9867
17400.0	-.0807	-.4999	5779.9	546.27	762.5	1201.2	.0000	.0000	.3322	.9933	.9868
17300.0	-.0784	-.4907	5782.6	546.30	762.4	1201.4	.0000	.0000	.3343	.9933	.9869
17200.0	-.0761	-.4817	5785.4	546.33	762.4	1201.5	.0000	.0000	.3364	.9934	.9870
17100.0	-.0740	-.4730	5788.1	546.36	762.3	1201.7	.0000	.0000	.3385	.9934	.9871
17000.0	-.0719	-.4646	5790.8	546.40	762.3	1201.8	.0000	.0000	.3405	.9934	.9872
16900.0	-.0698	-.4563	5793.6	546.43	762.2	1202.0	.0000	.0000	.3428	.9935	.9873
16800.0	-.0679	-.4482	5796.3	546.46	762.2	1202.1	.0000	.0000	.3450	.9936	.9874
16700.0	-.0660	-.4403	5799.1	546.49	762.1	1202.3	.0000	.0000	.3473	.9936	.9876
16600.0	-.0642	-.4326	5801.9	546.52	762.1	1202.5	.0000	.0000	.3495	.9937	.9877
16500.0	-.0624	-.4254	5804.6	546.55	762.0	1202.6	.0000	.0000	.3518	.9937	.9878
16400.0	-.0607	-.4180	5807.4	546.58	762.0	1202.8	.0000	.0000	.3541	.9938	.9879
16300.0	-.0591	-.4107	5810.2	546.61	761.9	1202.9	.0000	.0000	.3565	.9938	.9880
16200.0	-.0574	-.4037	5812.9	546.64	761.9	1203.1	.0000	.0000	.3588	.9939	.9881
16100.0	-.0559	-.3967	5815.7	546.67	761.8	1203.2	.0000	.0000	.3612	.9940	.9882
16000.0	-.0544	-.3899	5818.5	546.70	761.8	1203.4	.0000	.0000	.3637	.9940	.9883
15900.0	-.0529	-.3832	5821.3	546.73	761.7	1203.5	.0000	.0000	.3661	.9941	.9884
15800.0	-.0514	-.3769	5824.1	546.77	761.7	1203.7	.0000	.0000	.3686	.9941	.9885
15700.0	-.0500	-.3703	5826.9	546.80	761.6	1203.9	.0000	.0000	.3711	.9942	.9886
15600.0	-.0487	-.3639	5829.7	546.83	761.5	1204.0	.0000	.0000	.3737	.9943	.9887
15500.0	-.0474	-.3577	5832.5	546.86	761.5	1204.2	.0000	.0000	.3763	.9943	.9888
15400.0	-.0461	-.3516	5835.3	546.89	761.4	1204.4	.0000	.0000	.3789	.9943	.9889
15300.0	-.0448	-.3456	5838.2	546.92	761.4	1204.5	.0000	.0000	.3816	.9944	.9891
15200.0	-.0436	-.3397	5841.0	546.95	761.3	1204.7	.0000	.0000	.3843	.9945	.9892
15100.0	-.0424	-.3339	5843.8	546.98	761.3	1204.9	.0000	.0000	.3870	.9945	.9893
15000.0	-.0413	-.3282	5846.7	547.02	761.2	1205.0	.0000	.0000	.3898	.9946	.9894
14900.0	-.0401	-.3226	5849.5	547.05	761.2	1205.2	.0000	.0000	.3926	.9946	.9895
14800.0	-.0390	-.3171	5852.4	547.08	761.1	1205.3	.0000	.0000	.3954	.9947	.9896
14700.0	-.0380	-.3116	5855.2	547.11	761.1	1205.5	.0000	.0000	.3983	.9947	.9897
14600.0	-.0369	-.3062	5858.1	547.14	761.0	1205.7	.0000	.0000	.4012	.9948	.9898
14500.0	-.0359	-.3009	5860.9	547.17	761.0	1205.8	.0000	.0000	.4042	.9949	.9899
14400.0	-.0349	-.2957	5863.8	547.21	760.9	1206.0	.0000	.0000	.4072	.9949	.9900
14300.0	-.0340	-.2906	5866.7	547.24	760.8	1206.2	.0000	.0000	.4103	.9950	.9902
14200.0	-.0330	-.2855	5869.5	547.27	760.8	1206.3	.0000	.0000	.4133	.9950	.9903
14100.0	-.0321	-.2805	5872.4	547.30	760.7	1206.5	.0000	.0000	.4165	.9951	.9904
14000.0	-.0312	-.2756	5875.3	547.33	760.7	1206.6	.0000	.0000	.4197	.9951	.9905
13900.0	-.0303	-.2707	5878.2	547.37	760.6	1206.8	.0000	.0000	.4229	.9952	.9906
13800.0	-.0295	-.2659	5881.1	547.40	760.6	1207.0	.0000	.0000	.4262	.9953	.9907
13700.0	-.0287	-.2611	5884.0	547.43	760.5	1207.1	.0000	.0000	.4295	.9953	.9908
13600.0	-.0279	-.2564	5886.9	547.46	760.5	1207.3	.0000	.0000	.4329	.9954	.9909
13500.0	-.0271	-.2518	5889.8	547.49	760.4	1207.5	.0000	.0000	.4363	.9954	.9910
13400.0	-.0263	-.2472	5892.7	547.53	760.4	1207.6	.0000	.0000	.4398	.9955	.9911
13300.0	-.0255	-.2427	5895.7	547.56	760.3	1207.8	.0000	.0000	.4433	.9955	.9913
13200.0	-.0248	-.2382	5898.6	547.59	760.2	1208.0	.0000	.0000	.4469	.9956	.9914
13100.0	-.0241	-.2338	5901.5	547.62	760.2	1208.1	.0000	.0000	.4505	.9957	.9915
13000.0	-.0234	-.2295	5904.5	547.65	760.1	1208.3	.0000	.0000	.4542	.9957	.9916
12900.0	-.0227	-.2251	5907.4	547.69	760.1	1208.5	.0000	.0000	.4579	.9958	.9917
12800.0	-.0220	-.2208	5910.4	547.72	760.0	1208.6	.0000	.0000	.4617	.9959	.9918
12700.0	-.0214	-.2166	5913.3	547.75	760.0	1208.8	.0000	.0000	.4654	.9959	.9920
12600.0	-.0208	-.2125	5916.3	547.78	759.9	1209.0	.0000	.0000	.4693	.9960	.9921
12500.0	-.0201	-.2083	5919.2	547.82	759.9	1209.1	.0000	.0000	.4733	.9960	.9922
12400.0	-.0195	-.2042	5922.2	547.85	759.8	1209.3	.0000	.0000	.4774	.9961	.9923
12300.0	-.0189	-.2002	5925.2	547.88	759.7	1209.5	.0000	.0000	.4817	.9962	.9924
12200.0	-.0183	-.1962	5928.2	547.91	759.7	1209.6	.0000	.0000	.4860	.9963	.9925
12100.0	-.0178	-.1922	5931.1	547.95	759.6	1209.8	.0000	.0000	.4902	.9963	.9926

TABLE I. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 550 K)

PO KPA	XO	AO	PD KPA	TD K	RD KG/M3	HD KJ/KG	XD	AD	PR	TR	RR
12000.0	-.0172	-.1983	5936.1	547.98	759.4	1210.0	.0000	.0000	.4945	.9963	.9928
11900.0	-.0169	-.1944	5937.1	548.01	759.5	1210.3	.0000	.0000	.4989	.9964	.9929
11800.0	-.0166	-.1905	5940.1	548.05	759.5	1210.3	.0000	.0000	.5034	.9964	.9930
11700.0	-.0158	-.1867	5943.1	548.08	759.4	1210.5	.0000	.0000	.5080	.9965	.9931
11600.0	-.0151	-.1829	5946.2	548.11	759.3	1210.7	.0000	.0000	.5126	.9966	.9932
11500.0	-.0146	-.1792	5949.2	548.15	759.3	1210.9	.0000	.0000	.5173	.9966	.9933
11400.0	-.0142	-.1754	5952.2	548.18	759.2	1211.0	.0000	.0000	.5221	.9967	.9935
11300.0	-.0137	-.1718	5955.2	548.21	759.2	1211.2	.0000	.0000	.5270	.9967	.9936
11200.0	-.0132	-.1681	5958.3	548.24	759.1	1211.3	.0000	.0000	.5320	.9968	.9937
11100.0	-.0128	-.1645	5961.3	548.28	759.1	1211.5	.0000	.0000	.5371	.9969	.9938
11000.0	-.0123	-.1609	5964.4	548.31	759.0	1211.7	.0000	.0000	.5422	.9969	.9939
10900.0	-.0119	-.1573	5967.4	548.35	758.9	1211.9	.0000	.0000	.5475	.9970	.9940
10800.0	-.0115	-.1538	5970.5	548.38	758.9	1212.0	.0000	.0000	.5528	.9971	.9942
10700.0	-.0111	-.1503	5973.6	548.41	758.8	1212.2	.0000	.0000	.5583	.9971	.9943
10600.0	-.0107	-.1468	5976.6	548.45	758.8	1212.4	.0000	.0000	.5638	.9972	.9944
10500.0	-.0103	-.1433	5979.7	548.48	758.7	1212.6	.0000	.0000	.5695	.9972	.9945
10400.0	-.0099	-.1399	5982.8	548.51	758.7	1212.7	.0000	.0000	.5753	.9973	.9946
10300.0	-.0095	-.1365	5985.9	548.55	758.6	1212.9	.0000	.0000	.5812	.9974	.9948
10200.0	-.0092	-.1331	5989.0	548.58	758.5	1213.1	.0000	.0000	.5872	.9974	.9949
10100.0	-.0088	-.1298	5992.1	548.61	758.5	1213.3	.0000	.0000	.5933	.9975	.9950
10000.0	-.0085	-.1264	5995.2	548.65	758.4	1213.4	.0000	.0000	.5995	.9975	.9951
9900.0	-.0081	-.1231	5998.3	548.68	758.4	1213.6	.0000	.0000	.6059	.9976	.9952
9800.0	-.0078	-.1198	6001.4	548.71	758.3	1213.8	.0000	.0000	.6124	.9977	.9954
9700.0	-.0075	-.1166	6004.5	548.75	758.2	1214.0	.0000	.0000	.6190	.9977	.9955
9600.0	-.0072	-.1133	6007.7	548.78	758.2	1214.1	.0000	.0000	.6258	.9978	.9956
9500.0	-.0068	-.1101	6010.8	548.82	758.1	1214.3	.0000	.0000	.6327	.9978	.9957
9400.0	-.0065	-.1069	6013.9	548.85	758.1	1214.5	.0000	.0000	.6398	.9979	.9959
9300.0	-.0062	-.1037	6017.1	548.89	758.0	1214.7	.0000	.0000	.6470	.9980	.9960
9200.0	-.0060	-.1006	6020.2	548.92	758.0	1214.8	.0000	.0000	.6544	.9980	.9961
9100.0	-.0057	-.0974	6023.4	548.95	757.9	1215.0	.0000	.0000	.6619	.9981	.9962
9000.0	-.0054	-.0943	6026.6	548.99	757.8	1215.2	.0000	.0000	.6696	.9982	.9963
8900.0	-.0051	-.0912	6029.7	549.02	757.8	1215.4	.0000	.0000	.6775	.9982	.9965
8800.0	-.0049	-.0881	6032.9	549.06	757.7	1215.5	.0000	.0000	.6856	.9983	.9966
8700.0	-.0046	-.0850	6036.1	549.09	757.7	1215.7	.0000	.0000	.6938	.9983	.9967
8600.0	-.0044	-.0819	6039.3	549.13	757.6	1215.9	.0000	.0000	.7022	.9984	.9968
8500.0	-.0041	-.0789	6042.5	549.16	757.5	1216.1	.0000	.0000	.7109	.9985	.9970
8400.0	-.0039	-.0759	6045.7	549.19	757.5	1216.3	.0000	.0000	.7197	.9985	.9971
8300.0	-.0037	-.0729	6048.9	549.23	757.4	1216.4	.0000	.0000	.7288	.9986	.9972
8200.0	-.0034	-.0699	6052.1	549.26	757.4	1216.6	.0000	.0000	.7381	.9987	.9973
8100.0	-.0032	-.0669	6055.4	549.30	757.3	1216.8	.0000	.0000	.7476	.9987	.9974
8000.0	-.0030	-.0639	6058.6	549.33	757.2	1217.0	.0000	.0000	.7573	.9988	.9976
7900.0	-.0028	-.0609	6061.8	549.37	757.2	1217.2	.0000	.0000	.7673	.9989	.9977
7800.0	-.0026	-.0580	6065.1	549.40	757.1	1217.3	.0000	.0000	.7776	.9989	.9978
7700.0	-.0024	-.0551	6068.3	549.44	757.1	1217.5	.0000	.0020	.7881	.9990	.9980
7600.0	-.0022	-.0521	6071.6	549.47	757.0	1217.7	.0000	.0060	.7989	.9990	.9981
7500.0	-.0020	-.0492	6074.8	549.51	756.9	1217.9	.0000	.0000	.8100	.9991	.9983
7400.0	-.0018	-.0463	6547.6	543.63	660.0	1197.6	.0062	.1448	.7496	.9885	.4706
7300.0	-.0017	-.0434	6377.7	540.46	614.0	1184.6	.0093	.2123	.7230	.9857	.8100
7200.0	-.0015	-.0406	6093.8	538.22	583.8	1178.8	.0113	.2451	.7075	.9746	.7703
7100.0	-.0014	-.0377	6947.2	536.40	560.4	1172.5	.0136	.2898	.6968	.9753	.7306
7000.0	-.0012	-.0348	4823.6	534.83	541.1	1167.0	.0143	.3173	.6891	.9724	.7141
6900.0	-.0010	-.0320	4716.7	533.43	524.5	1162.0	.0155	.3408	.6834	.9690	.6927
6800.0	-.0009	-.0191	4618.7	532.14	510.0	1157.6	.0165	.3615	.6793	.9675	.6736
6700.0	-.0007	-.0163	4530.5	530.98	497.0	1153.4	.0175	.3798	.6762	.9654	.6555
6600.0	-.0006	-.0135	4448.3	529.88	485.2	1149.6	.0183	.3963	.6743	.9634	.6411
6500.0	-.0005	-.0107	4375.5	528.86	474.4	1145.9	.0191	.4114	.6731	.9616	.6270
6400.0	-.0003	-.0078	4305.4	527.89	464.5	1142.5	.0196	.4252	.6728	.9598	.6140
6300.0	-.0002	-.0050	4240.6	526.97	455.3	1139.2	.0205	.4380	.6731	.9581	.6020
6200.0	-.0001	-.0022	4178.9	526.09	446.7	1136.1	.0212	.4499	.6740	.9565	.5907

TABLE 2. SUBCRITICAL STATE PROPERTIES

(T = 366 K)

P1 KPA	X1	Y1	P* KPA	T* K	H* KJ/KG	S* KJ/KG-K	X*	Y*	PR	TR	RR
6212.66	********	********	5263.31	554.02	747.49	1244.51	.0660	.0000	.1967	.9964	.9814
6212.66	-3.6044	-49.2651	5264.03	554.03	747.49	1244.52	.0660	.0000	.1970	.9964	.9814
6212.66	-1.4003	-19.1403	5263.91	554.00	747.48	1244.47	.0660	.0000	.1968	.9963	.9813
6212.66	-.7173	-9.8064	5263.67	554.04	747.49	1244.49	.0660	.0000	.1966	.9964	.9814
6212.66	-.4172	-5.7047	5263.47	554.07	747.50	1244.50	.0660	.0000	.1965	.9965	.9815
6212.66	-.2604	-3.5607	5263.36	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6212.66	-.1640	-2.2424	5263.31	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6212.66	-.0978	-1.3374	5263.31	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6212.66	-.0478	-.6534	5263.31	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6212.66	-.0095	-.1299	5263.31	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6212.66	.0000	.0000	5263.31	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6212.66	.0095	.1299	5263.31	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6212.66	.0478	.6534	5263.31	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6212.66	.1640	2.2424	5263.31	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6212.66	.2604	3.5607	5263.36	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6212.66	.4172	5.7047	5263.47	554.07	747.50	1244.50	.0660	.0000	.1965	.9965	.9815
6212.66	.7173	9.8064	5263.67	554.04	747.49	1244.49	.0660	.0000	.1966	.9964	.9814
6212.66	1.4003	19.1403	5263.91	554.00	747.48	1244.47	.0660	.0000	.1968	.9963	.9813
6212.66	3.6044	49.2651	5264.03	554.03	747.49	1244.52	.0660	.0000	.1970	.9964	.9814
6212.66	********	********	5263.31	554.02	747.49	1244.51	.0660	.0000	.1967	.9964	.9814
6205.46	-3.6044	-49.2651	5263.31	554.03	747.49	1244.52	.0660	.0000	.1970	.9964	.9814
6205.46	-1.4003	-19.1403	5263.19	554.00	747.48	1244.47	.0660	.0000	.1968	.9963	.9813
6205.46	-.7173	-9.8064	5262.95	554.04	747.49	1244.49	.0660	.0000	.1966	.9964	.9814
6205.46	-.4172	-5.7047	5262.75	554.07	747.50	1244.50	.0660	.0000	.1965	.9965	.9815
6205.46	-.2604	-3.5607	5262.64	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6205.46	-.1640	-2.2424	5262.59	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6205.46	-.0978	-1.3374	5262.59	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6205.46	-.0478	-.6534	5262.59	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6205.46	-.0095	-.1299	5262.59	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6205.46	.0000	.0000	5262.59	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6205.46	.0095	.1299	5262.59	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6205.46	.0478	.6534	5262.59	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6205.46	.1640	2.2424	5262.59	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6205.46	.2604	3.5607	5262.64	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6205.46	.4172	5.7047	5262.75	554.07	747.50	1244.50	.0660	.0000	.1965	.9965	.9815
6205.46	.7173	9.8064	5262.95	554.04	747.49	1244.49	.0660	.0000	.1966	.9964	.9814
6205.46	1.4003	19.1403	5263.19	554.00	747.48	1244.47	.0660	.0000	.1968	.9963	.9813
6205.46	3.6044	49.2651	5263.31	554.03	747.49	1244.52	.0660	.0000	.1970	.9964	.9814
6205.46	********	********	5262.59	554.02	747.49	1244.51	.0660	.0000	.1967	.9964	.9814
6198.26	-3.6044	-49.2651	5262.59	554.03	747.49	1244.52	.0660	.0000	.1970	.9964	.9814
6198.26	-1.4003	-19.1403	5262.47	554.00	747.48	1244.47	.0660	.0000	.1968	.9963	.9813
6198.26	-.7173	-9.8064	5262.23	554.04	747.49	1244.49	.0660	.0000	.1966	.9964	.9814
6198.26	-.4172	-5.7047	5262.03	554.07	747.50	1244.50	.0660	.0000	.1965	.9965	.9815
6198.26	-.2604	-3.5607	5261.92	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6198.26	-.1640	-2.2424	5261.87	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6198.26	-.0978	-1.3374	5261.87	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6198.26	-.0478	-.6534	5261.87	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6198.26	-.0095	-.1299	5261.87	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6198.26	.0000	.0000	5261.87	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6198.26	.0095	.1299	5261.87	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6198.26	.0478	.6534	5261.87	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6198.26	.1640	2.2424	5261.87	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6198.26	.2604	3.5607	5261.92	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6198.26	.4172	5.7047	5262.03	554.07	747.50	1244.50	.0660	.0000	.1965	.9965	.9815
6198.26	.7173	9.8064	5262.23	554.04	747.49	1244.49	.0660	.0000	.1966	.9964	.9814
6198.26	1.4003	19.1403	5262.47	554.00	747.48	1244.47	.0660	.0000	.1968	.9963	.9813
6198.26	3.6044	49.2651	5262.59	554.03	747.49	1244.52	.0660	.0000	.1970	.9964	.9814
6198.26	********	********	5261.87	554.02	747.49	1244.51	.0660	.0000	.1967	.9964	.9814
6191.06	-3.6044	-49.2651	5261.87	554.03	747.49	1244.52	.0660	.0000	.1970	.9964	.9814
6191.06	-1.4003	-19.1403	5261.75	554.00	747.48	1244.47	.0660	.0000	.1968	.9963	.9813
6191.06	-.7173	-9.8064	5261.51	554.04	747.49	1244.49	.0660	.0000	.1966	.9964	.9814
6191.06	-.4172	-5.7047	5261.31	554.07	747.50	1244.50	.0660	.0000	.1965	.9965	.9815
6191.06	-.2604	-3.5607	5261.20	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6191.06	-.1640	-2.2424	5261.15	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6191.06	-.0978	-1.3374	5261.15	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6191.06	-.0478	-.6534	5261.15	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6191.06	-.0095	-.1299	5261.15	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6191.06	.0000	.0000	5261.15	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6191.06	.0095	.1299	5261.15	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6191.06	.0478	.6534	5261.15	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6191.06	.1640	2.2424	5261.15	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6191.06	.2604	3.5607	5261.20	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6191.06	.4172	5.7047	5261.31	554.07	747.50	1244.50	.0660	.0000	.1965	.9965	.9815
6191.06	.7173	9.8064	5261.51	554.04	747.49	1244.49	.0660	.0000	.1966	.9964	.9814
6191.06	1.4003	19.1403	5261.75	554.00	747.48	1244.47	.0660	.0000	.1968	.9963	.9813
6191.06	3.6044	49.2651	5261.87	554.03	747.49	1244.52	.0660	.0000	.1970	.9964	.9814
6191.06	********	********	5261.15	554.02	747.49	1244.51	.0660	.0000	.1967	.9964	.9814
6183.86	-3.6044	-49.2651	5261.15	554.03	747.49	1244.52	.0660	.0000	.1970	.9964	.9814
6183.86	-1.4003	-19.1403	5261.03	554.00	747.48	1244.47	.0660	.0000	.1968	.9963	.9813
6183.86	-.7173	-9.8064	5260.79	554.04	747.49	1244.49	.0660	.0000	.1966	.9964	.9814
6183.86	-.4172	-5.7047	5260.59	554.07	747.50	1244.50	.0660	.0000	.1965	.9965	.9815
6183.86	-.2604	-3.5607	5260.48	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6183.86	-.1640	-2.2424	5260.43	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6183.86	-.0978	-1.3374	5260.43	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6183.86	-.0478	-.6534	5260.43	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6183.86	-.0095	-.1299	5260.43	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6183.86	.0000	.0000	5260.43	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6183.86	.0095	.1299	5260.43	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6183.86	.0478	.6534	5260.43	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6183.86	.1640	2.2424	5260.43	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6183.86	.2604	3.5607	5260.48	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6183.86	.4172	5.7047	5260.59	554.07	747.50	1244.50	.0660	.0000	.1965	.9965	.9815
6183.86	.7173	9.8064	5260.79	554.04	747.49	1244.49	.0660	.0000	.1966	.9964	.9814
6183.86	1.4003	19.1403	5261.03	554.00	747.48	1244.47	.0660	.0000	.1968	.9963	.9813
6183.86	3.6044	49.2651	5261.15	554.03	747.49	1244.52	.0660	.0000	.1970	.9964	.9814
6183.86	********	********	5260.43	554.02	747.49	1244.51	.0660	.0000	.1967	.9964	.9814
6176.66	-3.6044	-49.2651	5260.43	554.03	747.49	1244.52	.0660	.0000	.1970	.9964	.9814
6176.66	-1.4003	-19.1403	5260.31	554.00	747.48	1244.47	.0660	.0000	.1968	.9963	.9813
6176.66	-.7173	-9.8064	5260.07	554.04	747.49	1244.49	.0660	.0000	.1966	.9964	.9814
6176.66	-.4172	-5.7047	5259.87	554.07	747.50	1244.50	.0660	.0000	.1965	.9965	.9815
6176.66	-.2604	-3.5607	5259.76	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6176.66	-.1640	-2.2424	5259.71	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6176.66	-.0978	-1.3374	5259.71	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6176.66	-.0478	-.6534	5259.71	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6176.66	-.0095	-.1299	5259.71	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6176.66	.0000	.0000	5259.71	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6176.66	.0095	.1299	5259.71	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6176.66	.0478	.6534	5259.71	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6176.66	.1640	2.2424	5259.71	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6176.66	.2604	3.5607	5259.76	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6176.66	.4172	5.7047	5259.87	554.07	747.50	1244.50	.0660	.0000	.1965	.9965	.9815
6176.66	.7173	9.8064	5260.07	554.04	747.49	1244.49	.0660	.0000	.1966	.9964	.9814
6176.66	1.4003	19.1403	5260.31	554.00	747.48	1244.47	.0660	.0000	.1968	.9963	.9813
6176.66	3.6044	49.2651	5260.43	554.03	747.49	1244.52	.0660	.0000	.1970	.9964	.9814
6176.66	********	********	5259.71	554.02	747.49	1244.51	.0660	.0000	.1967	.9964	.9814
6169.46	-3.6044	-49.2651	5259.71	554.03	747.49	1244.52	.0660	.0000	.1970	.9964	.9814
6169.46	-1.4003	-19.1403	5259.59	554.00	747.48	1244.47	.0660	.0000	.1968	.9963	.9813
6169.46	-.7173	-9.8064	5259.35	554.04	747.49	1244.49	.0660	.0000	.1966	.9964	.9814
6169.46	-.4172	-5.7047	5259.15	554.07	747.50	1244.50	.0660	.0000	.1965	.9965	.9815
6169.46	-.2604	-3.5607	5259.04	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6169.46	-.1640	-2.2424	5258.99	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6169.46	-.0978	-1.3374	5258.99	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6169.46	-.0478	-.6534	5258.99	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6169.46	-.0095	-.1299	5258.99	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6169.46	.0000	.0000	5258.99	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6169.46	.0095	.1299	5258.99	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6169.46	.0478	.6534	5258.99	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6169.46	.1640	2.2424	5258.99	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6169.46	.2604	3.5607	5259.04	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6169.46	.4172	5.7047	5259.15	554.07	747.50	1244.50	.0660	.0000	.1965	.9965	.9815
6169.46	.7173	9.8064	5259.35	554.04	747.49	1244.49	.0660	.0000	.1966	.9964	.9814
6169.46	1.4003	19.1403	5259.59	554.00	747.48	1244.47	.0660	.0000	.1968	.9963	.9813
6169.46	3.6044	49.2651	5259.71	554.03	747.49	1244.52	.0660	.0000	.1970	.9964	.9814
6169.46	********	********	5258.99	554.02	747.49	1244.51	.0660	.0000	.1967	.9964	.9814
6162.26	-3.6044	-49.2651	5258.99	554.03	747.49	1244.52	.0660	.0000	.1970	.9964	.9814
6162.26	-1.4003	-19.1403	5258.87	554.00	747.48	1244.47	.0660	.0000	.1968	.9963	.9813
6162.26	-.7173	-9.8064	5258.63	554.04	747.49	1244.49	.0660	.0000	.1966	.9964	.9814
6162.26	-.4172	-5.7047	5258.43	554.07	747.50	1244.50	.0660	.0000	.1965	.9965	.9815
6162.26	-.2604	-3.5607	5258.32	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6162.26	-.1640	-2.2424	5258.27	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6162.26	-.0978	-1.3374	5258.27	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6162.26	-.0478	-.6534	5258.27	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6162.26	-.0095	-.1299	5258.27	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6162.26	.0000	.0000	5258.27	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6162.26	.0095	.1299	5258.27	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6162.26	.0478	.6534	5258.27	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6162.26	.1640	2.2424	5258.27	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6162.26	.2604	3.5607	5258.32	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6162.26	.4172	5.7047	5258.43	554.07	747.50	1244.50	.0660	.0000	.1965	.9965	.9815
6162.26	.7173	9.8064	5258.63	554.04	747.49	1244.49	.0660	.0000	.1966	.9964	.9814
6162.26	1.4003	19.1403	5258.87	554.00	747.48	1244.47	.0660	.0000	.1968	.9963	.9813
6162.26	3.6044	49.2651	5258.99	554.03	747.49	1244.52	.0660	.0000	.1970	.9964	.9814
6162.26	********	********	5258.27	554.02	747.49	1244.51	.0660	.0000	.1967	.9964	.9814
6155.06	-3.6044	-49.2651	5258.27	554.03	747.49	1244.52	.0660	.0000	.1970	.9964	.9814
6155.06	-1.4003	-19.1403	5258.15	554.00	747.48	1244.47	.0660	.0000	.1968	.9963	.9813
6155.06	-.7173	-9.8064	5257.91	554.04	747.49	1244.49	.0660	.0000	.1966	.9964	.9814
6155.06	-.4172	-5.7047	5257.71	554.07	747.50	1244.50	.0660	.0000	.1965	.9965	.9815
6155.06	-.2604	-3.5607	5257.60	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6155.06	-.1640	-2.2424	5257.55	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6155.06	-.0978	-1.3374	5257.55	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6155.06	-.0478	-.6534	5257.55	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6155.06	-.0095	-.1299	5257.55	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6155.06	.0000	.0000	5257.55	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6155.06	.0095	.1299	5257.55	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6155.06	.0478	.6534	5257.55	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6155.06	.1640	2.2424	5257.55	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6155.06	.2604	3.5607	5257.60	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6155.06	.4172	5.7047	5257.71	554.07	747.50	1244.50	.0660	.0000	.1965	.9965	.9815
6155.06	.7173	9.8064	5257.91	554.04	747.49	1244.49	.0660	.0000	.1966	.9964	.9814
6155.06	1.4003	19.1403	5258.15	554.00	747.48	1244.47	.0660	.0000	.1968	.9963	.9813
6155.06	3.6044	49.2651	5258.27	554.03	747.49	1244.52	.0660	.0000	.1970	.9964	.9814
6155.06	********	********	5257.55	554.02	747.49	1244.51	.0660	.0000	.1967	.9964	.9814
6147.86	-3.6044	-49.2651	5257.55	554.03	747.49	1244.52	.0660	.0000	.1970	.9964	.9814
6147.86	-1.4003	-19.1403	5257.43	554.00	747.48	1244.47	.0660	.0000	.1968	.9963	.9813
6147.86	-.7173	-9.8064	5257.19	554.04	747.49	1244.49	.0660	.0000	.1966	.9964	.9814
6147.86	-.4172	-5.7047	5256.99	554.07	747.50	1244.50	.0660	.0000	.1965	.9965	.9815
6147.86	-.2604	-3.5607	5256.88	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6147.86	-.1640	-2.2424	5256.83	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6147.86	-.0978	-1.3374	5256.83	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6147.86	-.0478	-.6534	5256.83	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6147.86	-.0095	-.1299	5256.83	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6147.86	.0000	.0000	5256.83	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6147.86	.0095	.1299	5256.83	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6147.86	.0478	.6534	5256.83	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6147.86	.1640	2.2424	5256.83	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6147.86	.2604	3.5607	5256.88	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6147.86	.4172	5.7047	5256.99	554.07	747.50	1244.50	.0660	.0000	.1965	.9965	.9815
6147.86	.7173	9.8064	5257.19	554.04	747.49	1244.49	.0660	.0000	.1966	.9964	.9814
6147.86	1.4003	19.1403	5257.43	554.00	747.48	1244.47	.0660	.0000	.1968	.9963	.9813
6147.86	3.6044	49.2651	5257.55	554.03	747.49	1244.52	.0660	.0000	.1970	.9964	.9814
6147.86	********	********	5256.83	554.02	747.49	1244.51	.0660	.0000	.1967	.9964	.9814
6140.66	-3.6044	-49.2651	5256.83	554.03	747.49	1244.52	.0660	.0000	.1970	.9964	.9814
6140.66	-1.4003	-19.1403	5256.71	554.00	747.48	1244.47	.0660	.0000	.1968	.9963	.9813
6140.66	-.7173	-9.8064	5256.47	554.04	747.49	1244.49	.0660	.0000	.1966	.9964	.9814
6140.66	-.4172	-5.7047	5256.27	554.07	747.50	1244.50	.0660	.0000	.1965	.9965	.9815
6140.66	-.2604	-3.5607	5256.16	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6140.66	-.1640	-2.2424	5256.11	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6140.66	-.0978	-1.3374	5256.11	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6140.66	-.0478	-.6534	5256.11	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6140.66	-.0095	-.1299	5256.11	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6140.66	.0000	.0000	5256.11	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6140.66	.0095	.1299	5256.11	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6140.66	.0478	.6534	5256.11	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6140.66	.1640	2.2424	5256.11	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6140.66	.2604	3.5607	5256.16	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6140.66	.4172	5.7047	5256.27	554.07	747.50	1244.50	.0660	.0000	.1965	.9965	.9815
6140.66	.7173	9.8064	5256.47	554.04	747.49	1244.49	.0660	.0000	.1966	.9964	.9814
6140.66	1.4003	19.1403	5256.71	554.00	747.48	1244.47	.0660	.0000	.1968	.9963	.9813
6140.66	3.6044	49.2651	5256.83	554.03	747.49	1244.52	.0660	.0000	.1970	.9964	.9814
6140.66	********	********	5256.11	554.02	747.49	1244.51	.0660	.0000	.1967	.9964	.9814
6133.46	-3.6044	-49.2651	5256.11	554.03	747.49	1244.52	.0660	.0000	.1970	.9964	.9814
6133.46	-1.4003	-19.1403	5255.99	554.00	747.48	1244.47	.0660	.0000	.1968	.9963	.9813
6133.46	-.7173	-9.8064	5255.75	554.04	747.49	1244.49	.0660	.0000	.1966	.9964	.9814
6133.46	-.4172	-5.7047	5255.55	554.07	747.50	1244.50	.0660	.0000	.1965	.9965	.9815
6133.46	-.2604	-3.5607	5255.44	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6133.46	-.1640	-2.2424	5255.39	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6133.46	-.0978	-1.3374	5255.39	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6133.46	-.0478	-.6534	5255.39	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6133.46	-.0095	-.1299	5255.39	554.09	747.50	1244.51	.0660	.0000	.1964	.9965	.9815
6133.46	.0000	.0000	5255.39	554.09	747.50	1244.51	.0660	.0000	.1

TABLE 2. SUBCRITICAL SPECIFIC STATE PROPERTIES

(T = 100 K)

T* K	A*	AC	P* KPA	I* K	H* KJ/KG	U* KJ/KG	A*	A*	PP	TR	RR
[illegible]	-0.497	-0.1[illegible]	6913.1	155.44	741.0	1262.9	.0003	.0000	.5761	.9968	.9931
[illegible]	-0.0146	-0.1136	6917.1	328.45	741.0	1263.1	.0003	.0000	.5012	.9967	.9933
[illegible]	-0.1127	-0.1496	[illegible]	328.47	741.4	1263.2	.0003	.0000	.5005	.9967	.9934
.1760[illegible]	-0.1134	-0.1420	6924.[illegible]	501.[illegible]	741.4	1263.5	.0003	.0000	.4949	.9964	.9935
[illegible]	-0.[illegible]	-0.1426	[illegible]	501.22	741.3	1263.7	.0003	.0000	.4973	.9964	.9937
[illegible]	-0.0163	-0.1371	6932.1	554.28	741.2	1263.4	.0000	.0000	.6028	.9969	.9936
.1756[illegible]	-0.[illegible]1C	-0.1345	6936.3	554.42	741.1	1264.5	.0000	.0000	.6004	.9970	.9939
[illegible]	-0.[illegible]	-0.1[illegible]6	[illegible]	727.30	741.1	1264.9	.0000	.0000	.6142	.9971	.9941
[illegible]	-0.[illegible]67	-0.1[illegible]3	[illegible]	727.[illegible]	741.0	1264.[illegible]	.0000	.0000	.6[illegible]	.9971	.9942
[illegible]	-0.[illegible]	-0.1[illegible]F	[illegible]	897.[illegible]	740.9	1264.7	.0000	.0000	.6259	.9972	.9943
[illegible]	-0.[illegible]63	-0.1[illegible]03	6951.[illegible]	1[illegible].47	741.9	1264.9	.0000	.0000	.6326	.9973	.9945
[illegible]	-0.[illegible]	-0.1[illegible]	6955.[illegible]	[illegible]27.[illegible]	741.8	1265.[illegible]	.0000	.0000	.6301	.9973	.9946
[illegible]	-0.[illegible]93	-0.1[illegible]2C	6959.[illegible]	[illegible]27.[illegible]	741.8	1265.3	.0000	.0000	.6444	.9974	.9946
[illegible]	-0.[illegible]	-0.[illegible]4C	6[illegible].[illegible]	[illegible]27.[illegible]	741.7	1265.[illegible]	.0000	.0000	.65[illegible]	.9975	.9946
[illegible]	-0.[illegible]8	-0.[illegible]63	6967.[illegible]	1[illegible].[illegible]	741.6	1265.7	.0000	.0000	.6573	.9975	.9950
[illegible]	-0.[illegible]66	-0.1[illegible]31	6971.[illegible]	1[illegible].[illegible]	741.[illegible]	1265.9	.0000	.0000	.[illegible]639	.9976	.9952
[illegible]	-0.[illegible]	-0.[illegible]99[illegible]	6972.[illegible]	1[illegible].[illegible]	741.[illegible]	1266.[illegible]	.0000	.0000	.6707	.9977	.9953
[illegible]	-0.[illegible]	-0.[illegible]K64	6977.[illegible]	[illegible]27.[illegible]	741.[illegible]	1266.4	.0000	.0000	.6776	.9977	.9954
[illegible]	-0.[illegible]	-0.[illegible]3[illegible]	6981.[illegible]	[illegible]27.[illegible]	741.[illegible]	1266.6	.0000	.0000	.6[illegible]0	.9978	.9956
[illegible]	-0.[illegible]8	-0.[illegible]C49	6987.[illegible]	1[illegible].[illegible]	741.2	1266.8	.0000	.0000	.6918	.9979	.9957
[illegible]	-0.[illegible]63	-0.[illegible]F[illegible]	6991.[illegible]	[illegible]28.[illegible]	741.2	1267.[illegible]	.0000	.0000	.6991	.9980	.9959
[illegible]	-0.[illegible]62	-0.[illegible]34	6994.[illegible]	[illegible]28.[illegible]	741.1	1267.2	.0000	.0000	.7000	.9980	.9960
[illegible]	-0.[illegible]	-0.[illegible]K6[illegible]	6997.[illegible]	[illegible]28.[illegible]	741.0	1267.4	.0000	.0000	.7142	.9981	.9961
[illegible]	-0.[illegible]C	-0.[illegible]776	7002.[illegible]	[illegible]28.[illegible]	741.0	1267.6	.0000	.0000	.7220	.9982	.9963
[illegible]	-0.[illegible]62	-0.[illegible]73[illegible]	7007.[illegible]	[illegible]28.[illegible]	739.9	1267.8	.0000	.0000	.7299	.9982	.9964
[illegible]	-0.[illegible]3	-0.[illegible]70[illegible]	7011.[illegible]	[illegible]28.[illegible]	739.8	1268.[illegible]	.0000	.0000	.7306	.9983	.9965
[illegible]	-0.[illegible]47	-0.[illegible]7[illegible]	7015.[illegible]	[illegible]28.[illegible]	739.7	1268.[illegible]	.0000	.0000	.7463	.9984	.9967
[illegible]	-0.[illegible]64	-0.[illegible]044	7021.[illegible]	[illegible]28.[illegible]	739.7	1268.[illegible]	.0000	.0000	.7546	.9984	.9968
[illegible]	-0.[illegible]61	-0.[illegible]C13	7023.[illegible]	[illegible]29.[illegible]	739.6	1268.8	.0000	.0000	.7634	.9985	.9970
[illegible]	-0.[illegible]29	-0.[illegible]C52	7027.[illegible]	[illegible]29.[illegible]	739.[illegible]	1268.8	.0000	.0000	.7723	.9986	.9971
[illegible]	-0.[illegible]3[illegible]	-0.[illegible]931	7031.[illegible]	[illegible]29.[illegible]	739.[illegible]	1269.[illegible]	.0000	.0000	.7813	.9987	.9973
[illegible]	-0.[illegible]26	-0.[illegible]964	7035.[illegible]	[illegible]29.[illegible]	739.4	1269.[illegible]	.0000	.0000	.7905	.9987	.9974
[illegible]	-0.[illegible]4	-0.[illegible]944	7039.[illegible]	[illegible]29.[illegible]	739.3	1269.3	.0000	.0000	.[illegible]000	.9988	.9975
[illegible]	-0.[illegible]6	-0.[illegible]401	7043.[illegible]	[illegible]29.[illegible]	739.2	1269.5	.0000	.0000	.7714	.9936	.7366
[illegible]	-0.[illegible]7	-0.[illegible]432	7047.[illegible]	[illegible]29.[illegible]	738.2	1269.6	.0000	.0000	.7378	.9989	.8500
[illegible]	-0.[illegible]6[illegible]	-0.[illegible]9[illegible]	7051.[illegible]	[illegible]29.[illegible]	738.2	1269.8	.0000	.0000	.7194	.9989	.8157
[illegible]	-0.[illegible]	-0.[illegible]37[illegible]	7055.[illegible]	[illegible]29.[illegible]	738.1	1270.[illegible]	.0000	.0000	.7066	.9990	.7935
[illegible]	-0.[illegible]4	-0.[illegible]34[illegible]	7059.[illegible]	[illegible]29.[illegible]	738.0	1270.[illegible]	.0000	.0000	.6970	.9990	.7755
[illegible]	-0.[illegible]7	-0.[illegible]3[illegible]	7063.[illegible]	[illegible]29.[illegible]	737.9	1270.[illegible]	.0000	.0000	.6897	.9990	.7622
[illegible]	-0.[illegible]2	-0.[illegible]4[illegible]	7067.[illegible]	[illegible]29.[illegible]	737.9	1270.[illegible]	.0000	.0000	.6839	.9990	.7524
[illegible]	-0.[illegible]6	-0.[illegible]4[illegible]	7071.[illegible]	[illegible]29.[illegible]	737.8	1270.[illegible]	.0000	.0000	.6793	.9990	.7451
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[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7191.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
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[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7207.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7211.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7215.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7219.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7223.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7227.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7231.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7235.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7239.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7243.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7247.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7251.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7255.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7259.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7263.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7267.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7271.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7275.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7279.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7283.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7287.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7291.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7295.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7299.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7303.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7307.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7311.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7315.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7319.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7323.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7327.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7331.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7335.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7339.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7343.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7347.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7351.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7355.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7359.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7363.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7367.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7371.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7375.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7379.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7383.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7387.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7391.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7395.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7399.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7403.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7407.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7411.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7415.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7419.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7423.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7427.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7431.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7435.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7439.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7443.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7447.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7451.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7455.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7459.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7463.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7467.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7471.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7475.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7479.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7483.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7487.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7491.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7495.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7499.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7503.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7507.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7511.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7515.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7519.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7523.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7527.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7531.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7535.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7539.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7543.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7547.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7551.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7555.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7559.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7563.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000	.6598	.9990	.7187
[illegible]	-0.[illegible]4	-0.[illegible]4[illegible]	7567.[illegible]	[illegible]29.[illegible]	737.2	1270.[illegible]	.0000	.0000

TABLE . SUBCOOLED CRITICAL STATE PROPERTIES

(TO 570 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
22120.0	*******	*******	7579.8	564.37	729.7	1296.6	.0000	.0000	.3427	.9901	.9802
22100.0	-3.5329	-4.8734	7580.6	564.38	729.7	1296.7	.0000	.0000	.3430	.9901	.9802
22000.0	-1.2568	-3.4873	7584.5	564.42	729.7	1296.9	.0000	.0000	.3447	.9902	.9803
21900.0	-.8766	-2.9732	7588.4	564.45	729.6	1297.1	.0000	.0000	.3465	.9903	.9804
21800.0	-.6980	-2.1370	7592.3	564.49	729.5	1297.3	.0000	.0000	.3483	.9903	.9806
21700.0	-.5892	-1.8674	7596.3	564.52	729.5	1297.5	.0000	.0000	.3501	.9904	.9807
21600.0	-.5141	-1.6791	7600.2	564.56	729.4	1297.6	.0000	.0000	.3519	.9905	.9808
21500.0	-.4582	-1.5371	7604.2	564.60	729.3	1297.8	.0000	.0000	.3537	.9905	.9809
21400.0	-.4148	-1.4247	7608.2	564.63	729.2	1298.0	.0000	.0000	.3555	.9906	.9810
21300.0	-.3791	-1.3326	7612.2	564.67	729.2	1298.2	.0000	.0000	.3574	.9906	.9812
21200.0	-.3496	-1.2551	7616.1	564.70	729.1	1298.4	.0000	.0000	.3593	.9907	.9813
21100.0	-.3246	-1.1886	7620.1	564.74	729.0	1298.6	.0000	.0000	.3611	.9908	.9814
21000.0	-.3030	-1.1305	7624.1	564.78	729.0	1298.8	.0000	.0000	.3631	.9908	.9815
20900.0	-.2841	-1.0791	7628.1	564.81	728.9	1299.0	.0000	.0000	.3650	.9909	.9817
20800.0	-.2674	-1.0331	7632.2	564.85	728.8	1299.2	.0000	.0000	.3669	.9910	.9818
20700.0	-.2524	-.9919	7636.2	564.89	728.8	1299.4	.0000	.0000	.3689	.9910	.9819
20600.0	-.2389	-.9547	7640.2	564.92	728.7	1299.6	.0000	.0000	.3709	.9911	.9820
20500.0	-.2267	-.9191	7644.3	564.96	728.6	1299.8	.0000	.0000	.3729	.9912	.9822
20400.0	-.2156	-.8871	7648.3	565.00	728.5	1300.0	.0000	.0000	.3749	.9912	.9823
20300.0	-.2053	-.8575	7652.4	565.03	728.5	1300.2	.0000	.0000	.3770	.9913	.9824
20200.0	-.1959	-.8299	7656.4	565.07	728.4	1300.4	.0000	.0000	.3790	.9913	.9825
20100.0	-.1872	-.8040	7660.5	565.11	728.3	1300.6	.0000	.0000	.3811	.9914	.9827
20000.0	-.1791	-.7798	7664.6	565.14	728.3	1300.8	.0000	.0000	.3832	.9915	.9828
19900.0	-.1715	-.7569	7668.7	565.18	728.2	1301.0	.0000	.0000	.3854	.9915	.9829
19800.0	-.1644	-.7353	7672.8	565.22	728.1	1301.2	.0000	.0000	.3875	.9916	.9830
19700.0	-.1578	-.7149	7676.9	565.25	728.0	1301.4	.0000	.0000	.3897	.9917	.9832
19600.0	-.1516	-.6954	7681.0	565.29	728.0	1301.6	.0000	.0000	.3919	.9917	.9833
19500.0	-.1457	-.6769	7685.1	565.33	727.9	1301.8	.0000	.0000	.3941	.9918	.9834
19400.0	-.1401	-.6592	7689.3	565.36	727.8	1302.0	.0000	.0000	.3964	.9919	.9835
19300.0	-.1349	-.6424	7693.4	565.40	727.8	1302.2	.0000	.0000	.3986	.9919	.9837
19200.0	-.1299	-.6262	7697.6	565.44	727.7	1302.4	.0000	.0000	.4009	.9920	.9838
19100.0	-.1252	-.6107	7701.7	565.48	727.6	1302.6	.0000	.0000	.4032	.9921	.9839
19000.0	-.1207	-.5958	7705.9	565.51	727.5	1302.8	.0000	.0000	.4056	.9921	.9840
18900.0	-.1164	-.5815	7710.1	565.55	727.5	1303.0	.0000	.0000	.4079	.9922	.9842
18800.0	-.1123	-.5677	7714.3	565.59	727.4	1303.2	.0000	.0000	.4103	.9923	.9843
18700.0	-.1085	-.5545	7718.5	565.63	727.3	1303.4	.0000	.0000	.4128	.9923	.9844
18600.0	-.1047	-.5417	7722.7	565.66	727.2	1303.7	.0000	.0000	.4152	.9924	.9846
18500.0	-.1012	-.5293	7726.9	565.70	727.2	1303.9	.0000	.0000	.4177	.9925	.9847
18400.0	-.0978	-.5173	7731.1	565.74	727.1	1304.1	.0000	.0000	.4202	.9925	.9848
18300.0	-.0945	-.5058	7735.3	565.78	727.0	1304.3	.0000	.0000	.4227	.9926	.9850
18200.0	-.0914	-.4946	7739.6	565.82	726.9	1304.5	.0000	.0000	.4253	.9927	.9851
18100.0	-.0884	-.4837	7743.8	565.85	726.9	1304.7	.0000	.0000	.4278	.9927	.9852
18000.0	-.0856	-.4732	7748.1	565.89	726.8	1304.9	.0000	.0000	.4304	.9928	.9853
17900.0	-.0828	-.4630	7752.4	565.93	726.7	1305.1	.0000	.0000	.4331	.9929	.9855
17800.0	-.0802	-.4531	7756.6	565.97	726.6	1305.3	.0000	.0000	.4358	.9929	.9856
17700.0	-.0776	-.4435	7760.9	566.01	726.6	1305.5	.0000	.0000	.4385	.9930	.9857
17600.0	-.0752	-.4342	7765.2	566.05	726.5	1305.7	.0000	.0000	.4412	.9931	.9859
17500.0	-.0728	-.4251	7769.5	566.08	726.4	1305.9	.0000	.0000	.4440	.9931	.9860
17400.0	-.0705	-.4163	7773.8	566.12	726.3	1306.1	.0000	.0000	.4468	.9932	.9861
17300.0	-.0683	-.4076	7778.1	566.16	726.3	1306.4	.0000	.0000	.4496	.9933	.9863
17200.0	-.0662	-.3992	7782.5	566.20	726.2	1306.6	.0000	.0000	.4525	.9933	.9864
17100.0	-.0642	-.3911	7786.8	566.24	726.1	1306.8	.0000	.0000	.4554	.9934	.9865
17000.0	-.0622	-.3831	7791.2	566.28	726.0	1307.0	.0000	.0000	.4583	.9935	.9867
16900.0	-.0603	-.3753	7795.6	566.32	726.0	1307.2	.0000	.0000	.4613	.9935	.9868
16800.0	-.0585	-.3678	7799.9	566.35	725.9	1307.4	.0000	.0000	.4643	.9936	.9869
16700.0	-.0567	-.3604	7804.3	566.39	725.8	1307.6	.0000	.0000	.4673	.9937	.9871
16600.0	-.0550	-.3531	7808.7	566.43	725.7	1307.9	.0000	.0000	.4704	.9937	.9872
16500.0	-.0534	-.3463	7813.1	566.47	725.7	1308.1	.0000	.0000	.4735	.9938	.9874
16400.0	-.0517	-.3394	7817.5	566.51	725.6	1308.3	.0000	.0000	.4767	.9939	.9875
16300.0	-.0502	-.3326	7822.0	566.55	725.5	1308.5	.0000	.0000	.4799	.9939	.9876
16200.0	-.0487	-.3259	7826.4	566.59	725.4	1308.7	.0000	.0000	.4831	.9940	.9878
16100.0	-.0472	-.3194	7830.8	566.63	725.4	1308.9	.0000	.0000	.4864	.9941	.9879
16000.0	-.0458	-.3130	7835.3	566.67	725.3	1309.1	.0000	.0000	.4897	.9942	.9880
15900.0	-.0444	-.3067	7839.8	566.71	725.2	1309.4	.0000	.0000	.4931	.9942	.9882
15800.0	-.0431	-.3005	7844.2	566.75	725.1	1309.6	.0000	.0000	.4965	.9943	.9883
15700.0	-.0418	-.2944	7848.7	566.79	725.0	1309.8	.0000	.0000	.4999	.9944	.9885
15600.0	-.0405	-.2885	7853.2	566.83	725.0	1310.0	.0000	.0000	.5034	.9944	.9886
15500.0	-.0393	-.2827	7857.7	566.87	724.9	1310.2	.0000	.0000	.5069	.9945	.9887
15400.0	-.0381	-.2769	7862.2	566.91	724.8	1310.5	.0000	.0000	.5105	.9946	.9889
15300.0	-.0369	-.2713	7866.7	566.95	724.7	1310.7	.0000	.0000	.5142	.9947	.9890
15200.0	-.0358	-.2657	7871.3	566.99	724.6	1310.9	.0000	.0000	.5178	.9947	.9892
15100.0	-.0347	-.2602	7875.8	567.03	724.6	1311.1	.0000	.0000	.5216	.9948	.9893
15000.0	-.0337	-.2548	7880.4	567.07	724.5	1311.3	.0000	.0000	.5254	.9949	.9894
14900.0	-.0326	-.2495	7885.0	567.11	724.4	1311.6	.0000	.0000	.5292	.9949	.9896
14800.0	-.0316	-.2443	7889.5	567.15	724.3	1311.8	.0000	.0000	.5331	.9950	.9897
14700.0	-.0306	-.2391	7894.1	567.19	724.3	1312.0	.0000	.0000	.5370	.9951	.9899
14600.0	-.0297	-.2341	7898.7	567.23	724.2	1312.2	.0000	.0000	.5410	.9951	.9900
14500.0	-.0287	-.2291	7903.3	567.27	724.1	1312.4	.0000	.0000	.5451	.9952	.9902
14400.0	-.0278	-.2241	7908.0	567.31	724.0	1312.7	.0000	.0000	.5492	.9953	.9903
14300.0	-.0269	-.2193	7912.6	567.35	723.9	1312.9	.0000	.0000	.5533	.9954	.9904
14200.0	-.0261	-.2145	7917.3	567.39	723.9	1313.1	.0000	.0000	.5576	.9954	.9906
14100.0	-.0252	-.2097	7921.9	567.43	723.8	1313.3	.0000	.0000	.5618	.9955	.9907
14000.0	-.0244	-.2051	7926.6	567.47	723.7	1313.6	.0000	.0000	.5662	.9956	.9909
13900.0	-.0236	-.2004	7931.2	567.52	723.6	1313.8	.0000	.0000	.5706	.9956	.9910
13800.0	-.0229	-.1959	7935.9	567.56	723.5	1314.0	.0000	.0000	.5751	.9957	.9912
13700.0	-.0221	-.1914	7940.6	567.60	723.4	1314.2	.0000	.0000	.5796	.9958	.9913
13600.0	-.0214	-.1870	7945.4	567.64	723.4	1314.5	.0000	.0000	.5842	.9959	.9915
13500.0	-.0206	-.1828	7950.1	567.68	723.3	1314.7	.0000	.0000	.5889	.9959	.9916
13400.0	-.0199	-.1785	7954.8	567.72	723.2	1314.9	.0000	.0000	.5936	.9960	.9918
13300.0	-.0193	-.1743	7959.6	567.76	723.1	1315.2	.0000	.0000	.5985	.9961	.9919
13200.0	-.0186	-.1702	7964.3	567.81	723.0	1315.4	.0000	.0000	.6034	.9962	.9920
13100.0	-.0179	-.1665	7969.1	567.85	723.0	1315.6	.0000	.0000	.6083	.9962	.9922
13000.0	-.0173	-.1624	7973.9	567.89	722.9	1315.9	.0000	.0000	.6134	.9963	.9923
12900.0	-.0167	-.1583	7978.7	567.93	722.8	1316.1	.0000	.0000	.6185	.9964	.9925
12800.0	-.0161	-.1542	7983.5	567.97	722.7	1316.4	.0000	.0000	.6237	.9964	.9926
12700.0	-.0155	-.1503	7988.3	568.02	722.6	1316.6	.0000	.0000	.6290	.9965	.9928
12600.0	-.0149	-.1462	7993.1	568.06	722.5	1316.9	.0000	.0000	.6344	.9966	.9929
12500.0	-.0144	-.1413	7998.0	568.10	722.5	1317.0	.0000	.0000	.6398	.9967	.9931
12400.0	-.0138	-.1374	8002.8	568.14	722.4	1317.2	.0000	.0000	.6454	.9967	.9932
12300.0	-.0133	-.1336	8007.7	568.18	722.3	1317.4	.0000	.0000	.6510	.9968	.9934
12200.0	-.0128	-.1298	8012.6	568.23	722.2	1317.7	.0000	.0000	.6568	.9969	.9936
12100.0	-.0123	-.1260	8017.5	568.27	722.1	1317.9	.0000	.0000	.6626	.9970	.9937

TABLE 2. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 570 K)

PD KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
12000.0	-.0118	-.1222	8072.4	568.31	721.0	1318.2	.0000	.0000	.6685	.9970	.9939
11900.0	-.0113	-.1185	8057.3	568.36	721.9	1318.4	.0000	.0000	.6746	.9971	.9940
11800.0	-.0108	-.1149	8032.2	568.40	721.9	1318.6	.0000	.0000	.6807	.9972	.9942
11700.0	-.0104	-.1117	8037.2	568.44	721.8	1318.9	.0000	.0000	.6869	.9973	.9943
11600.0	-.0099	-.1075	8042.1	568.48	721.7	1319.1	.0000	.0000	.6933	.9973	.9945
11500.0	-.0095	-.1040	8047.1	568.53	721.6	1319.4	.0000	.0000	.6997	.9974	.9946
11400.0	-.0091	-.1005	8052.1	568.57	721.5	1319.6	.0000	.0000	.7063	.9975	.9948
11300.0	-.0087	-.0970	8057.1	568.61	721.4	1319.8	.0000	.0000	.7130	.9976	.9949
11200.0	-.0082	-.0935	8062.1	568.65	721.3	1320.1	.0000	.0000	.7198	.9976	.9951
11100.0	-.0079	-.0900	8067.1	568.70	721.3	1320.3	.0000	.0000	.7268	.9977	.9953
11000.0	-.0075	-.0866	8072.1	568.75	721.2	1320.6	.0000	.0000	.7338	.9978	.9954
10900.0	-.0071	-.0832	8077.2	568.79	721.1	1320.8	.0000	.0000	.7410	.9979	.9956
10800.0	-.0067	-.0798	8082.3	568.83	721.0	1321.0	.0000	.0000	.7484	.9980	.9957
10700.0	-.0064	-.0765	8087.3	568.88	720.9	1321.3	.0000	.0000	.7558	.9980	.9959
10600.0	-.0060	-.0732	8092.4	568.92	720.8	1321.5	.0000	.0000	.7634	.9981	.9961
10500.0	-.0057	-.0699	8097.5	568.97	720.7	1321.8	.0000	.0000	.7712	.9982	.9962
10400.0	-.0054	-.0666	8102.6	569.01	720.6	1322.0	.0000	.0000	.7791	.9983	.9964
10300.0	-.0050	-.0633	8107.8	569.05	720.6	1322.3	.0000	.0000	.7872	.9983	.9965
10200.0	-.0047	-.0601	8112.9	569.10	720.5	1322.5	.0000	.0000	.7954	.9984	.9967
10100.0	-.0044	-.0569	7716.1	565.61	671.3	1310.6	.0050	.0817	.7640	.9923	.9249
10000.0	-.0041	-.0537	7390.3	562.63	632.5	1300.4	.0089	.1449	.7390	.9871	.8755
9900.0	-.0038	-.0505	7154.3	560.42	609.2	1292.8	.0117	.1886	.7227	.9832	.8380
9800.0	-.0035	-.0474	6943.9	558.59	588.9	1286.5	.0139	.2229	.7106	.9800	.8084
9700.0	-.0033	-.0443	6901.5	557.00	565.7	1281.0	.0157	.2512	.7012	.9772	.7837
9600.0	-.0030	-.0412	6658.1	555.57	550.0	1276.0	.0173	.2757	.6936	.9749	.7621
9500.0	-.0027	-.0381	6529.5	554.27	536.1	1271.5	.0188	.2973	.6873	.9724	.7431
9400.0	-.0025	-.0350	6411.5	553.06	523.5	1267.3	.0200	.3166	.6821	.9703	.7259
9300.0	-.0022	-.0320	6304.3	551.95	512.2	1263.5	.0211	.3340	.6778	.9685	.7104
9200.0	-.0020	-.0289	6203.9	550.89	501.7	1259.8	.0223	.3499	.6743	.9665	.6960
9100.0	-.0018	-.0259	6110.6	549.89	492.0	1256.3	.0235	.3646	.6715	.9647	.6824
9000.0	-.0016	-.0229	6022.6	548.94	483.0	1253.0	.0242	.3782	.6692	.9631	.6703
8900.0	-.0013	-.0199	5939.9	548.04	474.5	1249.8	.0251	.3909	.6674	.9618	.6586
8800.0	-.0011	-.0170	5860.7	547.17	466.5	1246.8	.0259	.4028	.6660	.9600	.6481
8700.0	-.0009	-.0140	5785.8	546.34	459.0	1243.9	.0267	.4140	.6650	.9588	.6378
8600.0	-.0007	-.0111	5714.3	545.54	451.9	1241.1	.0275	.4246	.6644	.9571	.6281
8500.0	-.0005	-.0082	5646.5	544.77	445.2	1238.4	.0282	.4345	.6643	.9557	.6189
8400.0	-.0003	-.0053	5580.7	544.03	438.7	1235.8	.0289	.4440	.6644	.9544	.6101
8300.0	-.0001	-.0024	5517.9	543.29	432.6	1233.3	.0295	.4530	.6648	.9531	.6018

TABLE 1. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 580 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
22120.0	********	********	8714.5	574.15	710.1	1350.7	.0000	.0000	.3940	.9899	.9792
22100.0	-3.4532	-8.4491	8715.9	574.16	710.1	1350.7	.0000	.0000	.3944	.9899	.9792
22000.0	-1.2230	-3.3056	8720.4	574.20	710.0	1351.0	.0000	.0000	.3964	.9900	.9793
21900.0	-.8808	-2.4327	8725.3	574.24	710.0	1351.2	.0000	.0000	.3984	.9901	.9795
21800.0	-.6760	-2.0160	8730.3	574.28	709.9	1351.4	.0000	.0000	.4005	.9901	.9796
21700.0	-.5497	-1.7586	8735.2	574.32	709.8	1351.6	.0000	.0000	.4025	.9902	.9797
21600.0	-.4962	-1.5784	8740.2	574.36	709.7	1351.9	.0000	.0000	.4046	.9903	.9799
21500.0	-.4416	-1.4427	8745.2	574.40	709.6	1352.1	.0000	.0000	.4068	.9903	.9800
21400.0	-.3989	-1.3343	8750.3	574.44	709.5	1352.3	.0000	.0000	.4089	.9904	.9802
21300.0	-.3644	-1.2472	8755.2	574.48	709.4	1352.6	.0000	.0000	.4110	.9905	.9803
21200.0	-.3356	-1.1741	8760.3	574.52	709.4	1352.8	.0000	.0000	.4132	.9906	.9804
21100.0	-.3112	-1.1089	8765.2	574.56	709.3	1353.0	.0000	.0000	.4154	.9906	.9806
21000.0	-.2901	-1.0539	8770.3	574.61	709.2	1353.2	.0000	.0000	.4176	.9907	.9807
20900.0	-.2714	-1.0047	8775.3	574.65	709.1	1353.5	.0000	.0000	.4199	.9908	.9809
20800.0	-.2544	-.9607	8780.4	574.69	709.0	1353.7	.0000	.0000	.4221	.9908	.9810
20700.0	-.2408	-.9209	8785.4	574.73	708.9	1353.9	.0000	.0000	.4244	.9909	.9811
20600.0	-.2277	-.8847	8790.5	574.77	708.8	1354.2	.0000	.0000	.4267	.9910	.9813
20500.0	-.2158	-.8515	8795.6	574.81	708.8	1354.4	.0000	.0000	.4291	.9911	.9814
20400.0	-.2049	-.8209	8800.7	574.85	708.7	1354.6	.0000	.0000	.4314	.9911	.9815
20300.0	-.1950	-.7925	8805.8	574.89	708.6	1354.9	.0000	.0000	.4338	.9912	.9817
20200.0	-.1858	-.7660	8811.0	574.94	708.5	1355.1	.0000	.0000	.4362	.9913	.9818
20100.0	-.1773	-.7413	8816.1	574.98	708.4	1355.4	.0000	.0000	.4386	.9913	.9820
20000.0	-.1694	-.7180	8821.3	575.02	708.3	1355.6	.0000	.0000	.4411	.9914	.9821
19900.0	-.1621	-.6961	8826.5	575.06	708.2	1355.8	.0000	.0000	.4435	.9915	.9823
19800.0	-.1552	-.6754	8831.6	575.10	708.1	1356.1	.0000	.0000	.4460	.9916	.9824
19700.0	-.1487	-.6557	8836.8	575.15	708.1	1356.3	.0000	.0000	.4486	.9916	.9826
19600.0	-.1427	-.6371	8842.0	575.19	708.0	1356.5	.0000	.0000	.4511	.9917	.9827
19500.0	-.1370	-.6193	8847.3	575.23	707.9	1356.8	.0000	.0000	.4537	.9918	.9829
19400.0	-.1316	-.6024	8852.5	575.27	707.8	1357.0	.0000	.0000	.4563	.9919	.9830
19300.0	-.1265	-.5862	8857.7	575.31	707.7	1357.3	.0000	.0000	.4590	.9920	.9831
19200.0	-.1217	-.5706	8863.0	575.36	707.6	1357.5	.0000	.0000	.4616	.9920	.9833
19100.0	-.1171	-.5557	8868.3	575.40	707.5	1357.7	.0000	.0000	.4643	.9921	.9834
19000.0	-.1127	-.5414	8873.6	575.44	707.4	1358.0	.0000	.0000	.4670	.9921	.9836
18900.0	-.1086	-.5277	8878.9	575.49	707.3	1358.2	.0000	.0000	.4698	.9922	.9837
18800.0	-.1047	-.5145	8884.2	575.53	707.3	1358.5	.0000	.0000	.4726	.9923	.9839
18700.0	-.1009	-.5017	8889.5	575.57	707.2	1358.7	.0000	.0000	.4754	.9924	.9840
18600.0	-.0973	-.4894	8894.9	575.61	707.1	1358.9	.0000	.0000	.4782	.9924	.9842
18500.0	-.0939	-.4775	8900.2	575.66	707.0	1359.2	.0000	.0000	.4811	.9925	.9843
18400.0	-.0906	-.4660	8905.6	575.70	706.9	1359.4	.0000	.0000	.4840	.9926	.9845
18300.0	-.0874	-.4549	8911.0	575.74	706.8	1359.7	.0000	.0000	.4869	.9927	.9846
18200.0	-.0844	-.4441	8916.3	575.79	706.7	1359.9	.0000	.0000	.4899	.9927	.9848
18100.0	-.0815	-.4336	8921.8	575.83	706.6	1360.2	.0000	.0000	.4929	.9928	.9849
18000.0	-.0788	-.4235	8927.2	575.87	706.5	1360.4	.0000	.0000	.4960	.9929	.9851
17900.0	-.0761	-.4137	8932.6	575.92	706.4	1360.7	.0000	.0000	.4990	.9930	.9852
17800.0	-.0738	-.4042	8938.1	575.96	706.3	1360.9	.0000	.0000	.5021	.9930	.9854
17700.0	-.0711	-.3949	8943.5	576.00	706.2	1361.2	.0000	.0000	.5053	.9931	.9855
17600.0	-.0687	-.3859	8949.0	576.05	706.2	1361.4	.0000	.0000	.5085	.9932	.9857
17500.0	-.0664	-.3771	8954.5	576.09	706.1	1361.7	.0000	.0000	.5117	.9933	.9858
17400.0	-.0642	-.3686	8960.0	576.14	706.0	1361.9	.0000	.0000	.5149	.9933	.9860
17300.0	-.0621	-.3603	8965.5	576.18	705.9	1362.2	.0000	.0000	.5182	.9934	.9862
17200.0	-.0601	-.3522	8971.1	576.23	705.8	1362.4	.0000	.0000	.5216	.9935	.9863
17100.0	-.0581	-.3444	8976.6	576.27	705.7	1362.7	.0000	.0000	.5249	.9935	.9865
17000.0	-.0562	-.3367	8982.2	576.31	705.6	1362.9	.0000	.0000	.5284	.9936	.9866
16900.0	-.0544	-.3292	8987.8	576.36	705.5	1363.2	.0000	.0000	.5318	.9937	.9868
16800.0	-.0526	-.3219	8993.4	576.40	705.4	1363.4	.0000	.0000	.5353	.9938	.9869
16700.0	-.0509	-.3147	8999.0	576.45	705.3	1363.7	.0000	.0000	.5389	.9939	.9871
16600.0	-.0493	-.3077	9004.5	576.49	705.2	1363.9	.0000	.0000	.5424	.9940	.9873
16500.0	-.0477	-.3011	9010.3	576.54	705.1	1364.2	.0000	.0000	.5461	.9940	.9874
16400.0	-.0462	-.2944	9015.9	576.58	705.0	1364.5	.0000	.0000	.5498	.9941	.9876
16300.0	-.0447	-.2879	9021.5	576.63	704.9	1364.7	.0000	.0000	.5535	.9942	.9877
16200.0	-.0433	-.2814	9027.3	576.67	704.8	1365.0	.0000	.0000	.5573	.9943	.9879
16100.0	-.0419	-.2751	9033.0	576.72	704.7	1365.2	.0000	.0000	.5611	.9943	.9881
16000.0	-.0405	-.2689	9038.7	576.76	704.6	1365.5	.0000	.0000	.5649	.9944	.9882
15900.0	-.0392	-.2629	9044.4	576.81	704.5	1365.7	.0000	.0000	.5688	.9945	.9884
15800.0	-.0379	-.2569	9050.2	576.86	704.4	1366.0	.0000	.0000	.5728	.9946	.9885
15700.0	-.0367	-.2510	9055.9	576.90	704.3	1366.3	.0000	.0000	.5768	.9947	.9887
15600.0	-.0355	-.2453	9061.7	576.95	704.2	1366.5	.0000	.0000	.5809	.9947	.9889
15500.0	-.0343	-.2396	9067.5	576.99	704.1	1366.8	.0000	.0000	.5850	.9948	.9890
15400.0	-.0332	-.2340	9073.3	577.04	704.0	1367.1	.0000	.0000	.5892	.9949	.9892
15300.0	-.0321	-.2286	9079.2	577.09	703.9	1367.3	.0000	.0000	.5934	.9950	.9894
15200.0	-.0310	-.2232	9085.0	577.13	703.8	1367.6	.0000	.0000	.5977	.9951	.9895
15100.0	-.0299	-.2179	9090.9	577.18	703.7	1367.8	.0000	.0000	.6020	.9951	.9897
15000.0	-.0289	-.2126	9096.3	577.22	703.6	1368.1	.0000	.0000	.6065	.9952	.9898
14900.0	-.0279	-.2075	9102.7	577.27	703.5	1368.4	.0000	.0000	.6109	.9953	.9900
14800.0	-.0270	-.2024	9108.5	577.32	703.4	1368.6	.0000	.0000	.6154	.9954	.9901
14700.0	-.0260	-.1974	9114.5	577.36	703.3	1368.9	.0000	.0000	.6200	.9955	.9903
14600.0	-.0251	-.1925	9120.5	577.41	703.2	1369.2	.0000	.0000	.6247	.9955	.9905
14500.0	-.0243	-.1877	9126.4	577.46	703.1	1369.4	.0000	.0000	.6294	.9956	.9907
14400.0	-.0234	-.1829	9132.4	577.51	703.0	1369.7	.0000	.0000	.6342	.9957	.9909
14300.0	-.0226	-.1782	9138.4	577.55	702.9	1370.0	.0000	.0000	.6391	.9958	.9910
14200.0	-.0217	-.1735	9144.4	577.60	702.8	1370.3	.0000	.0000	.6440	.9959	.9912
14100.0	-.0210	-.1689	9150.5	577.65	702.7	1370.6	.0000	.0000	.6490	.9959	.9914
14000.0	-.0202	-.1644	9156.5	577.70	702.6	1370.8	.0000	.0000	.6540	.9960	.9915
13900.0	-.0194	-.1599	9162.6	577.74	702.5	1371.1	.0000	.0000	.6592	.9961	.9917
13800.0	-.0187	-.1555	9168.7	577.79	702.4	1371.4	.0000	.0000	.6644	.9962	.9919
13700.0	-.0180	-.1511	9174.8	577.84	702.3	1371.6	.0000	.0000	.6697	.9963	.9921
13600.0	-.0173	-.1469	9180.9	577.89	702.2	1371.9	.0000	.0000	.6751	.9964	.9922
13500.0	-.0166	-.1427	9187.1	577.94	702.1	1372.2	.0000	.0000	.6805	.9964	.9924
13400.0	-.0160	-.1385	9193.2	577.98	702.0	1372.5	.0000	.0000	.6861	.9965	.9926
13300.0	-.0153	-.1344	9199.4	578.03	701.9	1372.7	.0000	.0000	.6917	.9966	.9928
13200.0	-.0147	-.1303	9205.6	578.08	701.8	1373.0	.0000	.0000	.6974	.9967	.9930
13100.0	-.0141	-.1263	9211.8	578.13	701.7	1373.3	.0000	.0000	.7032	.9968	.9931
13000.0	-.0135	-.1219	9218.1	578.18	701.6	1373.6	.0000	.0000	.7091	.9969	.9933
12900.0	-.0129	-.1179	9224.3	578.23	701.5	1373.9	.0000	.0000	.7151	.9969	.9935
12800.0	-.0123	-.1140	9230.6	578.28	701.4	1374.1	.0000	.0000	.7211	.9970	.9936
12700.0	-.0118	-.1101	9236.9	578.33	701.3	1374.4	.0000	.0000	.7273	.9971	.9938
12600.0	-.0113	-.1062	9243.2	578.38	701.2	1374.7	.0000	.0000	.7336	.9972	.9940
12500.0	-.0107	-.1024	9249.6	578.43	701.1	1375.0	.0000	.0000	.7400	.9973	.9942
12400.0	-.0102	-.0986	9255.9	578.48	701.0	1375.3	.0000	.0000	.7464	.9974	.9944
12300.0	-.0097	-.0948	9262.3	578.53	700.8	1375.6	.0000	.0000	.7530	.9975	.9945
12200.0	-.0093	-.0911	9268.7	578.57	700.7	1375.9	.0000	.0000	.7597	.9975	.9947
12100.0	-.0088	-.0874	9275.1	578.62	700.6	1376.1	.0000	.0000	.7665	.9976	.9949

TABLE ". SUBCOOLED CRITICAL STATE PROPERTIES

(TO 580 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
12000.0	-.0093	-.0838	9281.6	578.67	700.5	1376.4	.0000	.0000	.7735	.9977	.9951
11900.0	-.0079	-.0801	9288.0	578.73	700.4	1376.7	.0000	.0000	.7805	.9978	.9953
11800.0	-.0075	-.0766	9294.5	578.78	700.3	1377.0	.0000	.0000	.7877	.9979	.9955
11700.0	-.0070	-.0730	8967.5	576.20	666.8	1368.2	.0043	.0594	.7664	.9934	.9481
11600.0	-.0066	-.0695	8638.0	573.57	634.1	1359.1	.0085	.1163	.7447	.9885	.9019
11500.0	-.0062	-.0660	8388.5	571.45	609.9	1352.0	.0116	.1578	.7294	.9853	.8678
11400.0	-.0058	-.0625	8174.3	569.64	589.8	1345.9	.0142	.1917	.7174	.9827	.8396
11300.0	-.0054	-.0591	7998.0	568.10	572.9	1340.5	.0163	.2200	.7078	.9795	.8159
11200.0	-.0051	-.0557	7837.5	566.59	558.0	1335.7	.0182	.2446	.6998	.9770	.7948
11104.0	-.0047	-.0523	7692.7	565.40	544.7	1331.2	.0199	.2664	.6930	.9748	.7762
11000.0	-.0044	-.0490	7560.2	564.20	532.7	1327.1	.0214	.2860	.6873	.9728	.7593
10900.0	-.0040	-.0456	7438.3	563.08	521.7	1323.3	.0228	.3037	.6824	.9709	.7440
10800.0	-.0037	-.0423	7324.2	562.02	511.6	1319.6	.0240	.3200	.6782	.9690	.7297
10700.0	-.0034	-.0391	7217.7	561.02	502.2	1316.2	.0252	.3350	.6746	.9673	.7164
10600.0	-.0030	-.0358	7117.2	560.07	493.3	1312.9	.0263	.3490	.6714	.9656	.7042
10500.0	-.0027	-.0326	7022.5	559.16	485.1	1309.7	.0274	.3621	.6688	.9641	.6927
10400.0	-.0024	-.0294	6932.5	558.28	477.3	1306.7	.0283	.3743	.6666	.9626	.6818
10300.0	-.0022	-.0262	6846.8	557.45	469.9	1303.8	.0293	.3858	.6647	.9611	.6715
10200.0	-.0019	-.0230	6764.7	556.64	462.9	1301.0	.0301	.3968	.6632	.9597	.6617
10100.0	-.0016	-.0199	6685.9	555.85	456.2	1298.3	.0310	.4071	.6620	.9584	.6524
10000.0	-.0013	-.0167	6611.1	555.10	449.9	1295.7	.0318	.4169	.6611	.9571	.6436
9900.0	-.0011	-.0136	6538.9	554.37	443.8	1293.2	.0325	.4262	.6605	.9558	.6351
9800.0	-.0008	-.0106	6469.5	553.66	438.0	1290.7	.0333	.4351	.6602	.9546	.6270
9700.0	-.0006	-.0075	6401.9	552.96	432.4	1288.3	.0340	.4437	.6600	.9534	.6192
9600.0	-.0003	-.0044	6337.4	552.29	427.0	1286.0	.0346	.4519	.6601	.9522	.6118
9500.0	-.0001	-.0014	6274.4	551.63	421.8	1283.7	.0353	.4597	.6605	.9511	.6045

TABLE . SUBCOOLED CRITICAL STATE PROPERTIES

(TO 590 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
22120.0	********	********	9980.3	583.97	688.8	1407.2	.0000	.0000	.4512	.9898	.9781
22100.0	-3.3611	-7.9844	9981.6	583.98	688.7	1407.2	.0000	.0000	.4419	.9898	.9782
22000.0	-1.1839	-3.1065	9987.8	584.02	688.5	1407.5	.0000	.0000	.4540	.9899	.9783
21900.0	-.8709	-2.2786	9994.1	584.07	688.3	1407.8	.0000	.0000	.4563	.9899	.9785
21800.0	-.6506	-1.8433	10000.3	584.11	688.4	1408.1	.0000	.0000	.4587	.9900	.9786
21700.0	-.5470	-1.6390	10006.6	584.16	688.3	1408.3	.0000	.0000	.4611	.9901	.9788
21600.0	-.4755	-1.4681	10012.9	584.21	688.2	1408.6	.0000	.0000	.4636	.9902	.9790
21500.0	-.4224	-1.3392	10019.2	584.25	688.1	1408.9	.0000	.0000	.4660	.9903	.9791
21400.0	-.3808	-1.2372	10025.5	584.30	688.0	1409.1	.0000	.0000	.4685	.9903	.9793
21300.0	-.3472	-1.1538	10031.9	584.35	687.9	1409.4	.0000	.0000	.4710	.9904	.9794
21200.0	-.3193	-1.0831	10038.3	584.39	687.8	1409.7	.0000	.0000	.4735	.9905	.9795
21100.0	-.2956	-1.0226	10044.7	584.44	687.7	1410.0	.0000	.0000	.4761	.9906	.9798
21000.0	-.2751	-.9698	10051.1	584.49	687.6	1410.3	.0000	.0000	.4786	.9907	.9799
20900.0	-.2572	-.9230	10057.5	584.53	687.5	1410.5	.0000	.0000	.4812	.9907	.9801
20800.0	-.2414	-.8811	10064.0	584.58	687.4	1410.8	.0000	.0000	.4838	.9908	.9802
20700.0	-.2273	-.8433	10070.5	584.63	687.3	1411.1	.0000	.0000	.4865	.9909	.9804
20600.0	-.2146	-.8088	10076.9	584.67	687.2	1411.4	.0000	.0000	.4892	.9910	.9806
20500.0	-.2030	-.7772	10083.4	584.72	687.0	1411.7	.0000	.0000	.4919	.9911	.9807
20400.0	-.1925	-.7480	10090.0	584.77	686.9	1411.9	.0000	.0000	.4946	.9911	.9809
20300.0	-.1828	-.7210	10096.5	584.82	686.8	1412.2	.0000	.0000	.4974	.9912	.9811
20200.0	-.1740	-.6958	10103.1	584.87	686.7	1412.5	.0000	.0000	.5002	.9913	.9813
20100.0	-.1658	-.6722	10109.6	584.91	686.6	1412.8	.0000	.0000	.5030	.9914	.9814
20000.0	-.1581	-.6500	10116.2	584.96	686.5	1413.1	.0000	.0000	.5058	.9915	.9816
19900.0	-.1510	-.6290	10122.8	585.01	686.4	1413.4	.0000	.0000	.5087	.9915	.9817
19800.0	-.1444	-.6093	10129.5	585.06	686.3	1413.6	.0000	.0000	.5116	.9916	.9819
19700.0	-.1382	-.5905	10136.1	585.11	686.1	1413.9	.0000	.0000	.5145	.9917	.9821
19600.0	-.1323	-.5727	10142.8	585.16	686.0	1414.2	.0000	.0000	.5175	.9918	.9822
19500.0	-.1268	-.5558	10149.5	585.20	685.9	1414.5	.0000	.0000	.5205	.9919	.9824
19400.0	-.1216	-.5396	10156.2	585.25	685.8	1414.8	.0000	.0000	.5235	.9920	.9826
19300.0	-.1167	-.5241	10163.0	585.30	685.7	1415.1	.0000	.0000	.5266	.9920	.9828
19200.0	-.1120	-.5092	10169.7	585.35	685.6	1415.4	.0000	.0000	.5297	.9921	.9829
19100.0	-.1076	-.4950	10176.5	585.40	685.5	1415.7	.0000	.0000	.5328	.9922	.9831
19000.0	-.1034	-.4813	10183.3	585.45	685.4	1416.0	.0000	.0000	.5360	.9923	.9833
18900.0	-.0994	-.4682	10190.1	585.50	685.3	1416.2	.0000	.0000	.5392	.9924	.9835
18800.0	-.0956	-.4555	10196.9	585.55	685.2	1416.5	.0000	.0000	.5424	.9925	.9836
18700.0	-.0920	-.4433	10203.8	585.60	685.0	1416.8	.0000	.0000	.5457	.9925	.9838
18600.0	-.0885	-.4315	10210.7	585.65	684.9	1417.1	.0000	.0000	.5490	.9926	.9840
18500.0	-.0852	-.4201	10217.6	585.70	684.8	1417.4	.0000	.0000	.5523	.9927	.9842
18400.0	-.0821	-.4091	10224.4	585.75	684.7	1417.7	.0000	.0000	.5557	.9928	.9843
18300.0	-.0791	-.3984	10231.5	585.80	684.6	1418.0	.0000	.0000	.5591	.9929	.9845
18200.0	-.0762	-.3881	10238.4	585.84	684.4	1418.3	.0000	.0000	.5626	.9930	.9847
18100.0	-.0734	-.3781	10245.4	585.90	684.3	1418.6	.0000	.0000	.5660	.9930	.9849
18000.0	-.0707	-.3684	10252.4	585.95	684.2	1418.9	.0000	.0000	.5696	.9931	.9850
17900.0	-.0682	-.3589	10259.5	586.00	684.1	1419.2	.0000	.0000	.5732	.9932	.9852
17800.0	-.0657	-.3498	10266.5	586.05	684.0	1419.5	.0000	.0000	.5768	.9933	.9854
17700.0	-.0634	-.3409	10273.6	586.10	683.9	1419.8	.0000	.0000	.5804	.9934	.9856
17600.0	-.0611	-.3323	10280.7	586.15	683.7	1420.1	.0000	.0000	.5841	.9935	.9858
17500.0	-.0589	-.3238	10287.8	586.20	683.6	1420.4	.0000	.0000	.5879	.9936	.9860
17400.0	-.0568	-.3157	10295.0	586.26	683.5	1420.8	.0000	.0000	.5917	.9937	.9861
17300.0	-.0548	-.3077	10302.1	586.31	683.4	1421.1	.0000	.0000	.5955	.9937	.9863
17200.0	-.0529	-.2999	10309.3	586.36	683.3	1421.4	.0000	.0000	.5994	.9938	.9865
17100.0	-.0510	-.2923	10316.5	586.41	683.1	1421.7	.0000	.0000	.6033	.9939	.9867
17000.0	-.0492	-.2849	10323.8	586.46	683.0	1422.0	.0000	.0000	.6073	.9940	.9869
16900.0	-.0474	-.2777	10331.1	586.51	682.9	1422.3	.0000	.0000	.6113	.9941	.9871
16800.0	-.0458	-.2707	10338.3	586.57	682.8	1422.6	.0000	.0000	.6154	.9942	.9873
16700.0	-.0441	-.2638	10345.7	586.62	682.7	1422.9	.0000	.0000	.6195	.9943	.9874
16600.0	-.0426	-.2571	10353.0	586.67	682.5	1423.2	.0000	.0000	.6237	.9944	.9876
16500.0	-.0411	-.2507	10360.4	586.72	682.4	1423.5	.0000	.0000	.6279	.9944	.9878
16400.0	-.0396	-.2443	10367.7	586.78	682.3	1423.8	.0000	.0000	.6322	.9945	.9880
16300.0	-.0382	-.2382	10375.2	586.83	682.2	1424.2	.0000	.0000	.6365	.9946	.9882
16200.0	-.0368	-.2322	10382.6	586.88	682.0	1424.5	.0000	.0000	.6409	.9947	.9884
16100.0	-.0355	-.2264	10390.1	586.94	681.9	1424.8	.0000	.0000	.6453	.9948	.9886
16000.0	-.0342	-.2207	10397.6	586.99	681.8	1425.1	.0000	.0000	.6498	.9949	.9888
15900.0	-.0330	-.2154	10405.2	587.04	681.7	1425.5	.0000	.0000	.6544	.9950	.9890
15800.0	-.0318	-.2100	10412.8	587.10	681.5	1425.8	.0000	.0000	.6590	.9951	.9892
15700.0	-.0306	-.2049	10420.5	587.15	681.4	1426.1	.0000	.0000	.6637	.9952	.9894
15600.0	-.0294	-.1998	10427.9	587.21	681.3	1426.4	.0000	.0000	.6684	.9953	.9896
15500.0	-.0283	-.1949	10435.4	587.26	681.2	1426.7	.0000	.0000	.6733	.9954	.9898
15400.0	-.0273	-.1899	10443.0	587.31	681.0	1427.1	.0000	.0000	.6781	.9954	.9900
15300.0	-.0262	-.1852	10450.7	587.37	680.9	1427.4	.0000	.0000	.6831	.9955	.9902
15200.0	-.0252	-.1804	10458.4	587.42	680.8	1427.7	.0000	.0000	.6881	.9956	.9904
15100.0	-.0243	-.1758	10466.1	587.48	680.6	1428.1	.0000	.0000	.6931	.9957	.9906
15000.0	-.0233	-.1712	10473.9	587.53	680.5	1428.4	.0000	.0000	.6983	.9958	.9908
14900.0	-.0223	-.1667	10481.7	587.59	680.4	1428.7	.0000	.0000	.7035	.9959	.9910
14800.0	-.0214	-.1624	10489.5	587.64	680.2	1429.1	.0000	.0000	.7088	.9960	.9912
14700.0	-.0206	-.1582	10497.3	587.70	680.1	1429.4	.0000	.0000	.7141	.9961	.9914
14600.0	-.0197	-.1542	10505.2	587.76	680.0	1429.7	.0000	.0000	.7195	.9963	.9916
14500.0	-.0189	-.1502	10513.1	587.81	679.9	1430.1	.0000	.0000	.7250	.9963	.9918
14400.0	-.0181	-.1464	10521.1	587.87	679.7	1430.4	.0000	.0000	.7306	.9964	.9920
14300.0	-.0173	-.1428	10529.0	587.92	679.6	1430.7	.0000	.0000	.7363	.9965	.9922
14200.0	-.0165	-.1393	10537.0	587.98	679.5	1431.1	.0000	.0000	.7420	.9966	.9924
14100.0	-.0158	-.1358	10545.0	588.04	679.3	1431.4	.0000	.0000	.7479	.9967	.9926
14000.0	-.0151	-.1324	10553.1	588.09	679.2	1431.8	.0000	.0000	.7538	.9968	.9928
13900.0	-.0144	-.1291	10561.1	588.15	679.1	1432.1	.0000	.0000	.7598	.9969	.9930
13800.0	-.0137	-.1258	10569.3	588.21	678.9	1432.4	.0000	.0000	.7659	.9970	.9932
13700.0	-.0130	-.1225	10577.4	588.26	678.8	1432.8	.0000	.0000	.7721	.9971	.9935
13600.0	-.0124	-.1193	10585.6	588.32	678.6	1433.1	.0000	.0000	.7784	.9972	.9937
13500.0	-.0117	-.1162	10401.8	587.02	682.7	1428.8	.0027	.0306	.7705	.9950	.9707
13400.0	-.0111	-.1131	10058.6	584.51	634.9	1420.5	.0073	.0830	.7514	.9909	.9304
13300.0	-.0104	-.0800	9901.1	582.44	613.0	1413.9	.0109	.1235	.7319	.9875	.8987
13202.0	-.0100	-.0849	9573.5	580.32	594.7	1408.1	.0139	.1570	.7253	.9846	.8777
13100.0	-.0094	-.0810	9374.3	579.19	578.8	1402.9	.0164	.1855	.7156	.9820	.8493
13002.0	-.0088	-.0771	9195.4	578.00	564.7	1398.1	.0197	.2126	.7073	.9797	.8289
12900.0	-.0083	-.0732	9032.5	576.72	552.0	1393.7	.0227	.2329	.7002	.9775	.8106
12800.0	-.0078	-.0693	8883.7	575.43	540.5	1389.7	.0255	.2530	.6940	.9755	.7940
12700.0	-.0073	-.0655	8745.4	574.10	529.8	1386.0	.0282	.2714	.6886	.9736	.7788
12600.0	-.0068	-.0617	8616.8	573.35	520.0	1382.7	.0287	.2882	.6839	.9718	.7647
12500.0	-.0063	-.0580	8495.6	572.34	510.9	1379.3	.0271	.3034	.6796	.9701	.7515
12400.0	-.0058	-.0543	8381.1	571.34	502.2	1375.5	.0284	.3183	.6759	.9684	.7392
12300.0	-.0054	-.0506	8272.1	570.47	494.1	1372.4	.0297	.3319	.6726	.9669	.7276
12200.0	-.0050	-.0470	8170.0	569.59	486.5	1369.4	.0309	.3447	.6697	.9654	.7166
12100.0	-.0045	-.0434	8071.8	568.74	479.2	1366.5	.0320	.3567	.6671	.9640	.7063

TABLE . SUBCOOLED CRITICAL STATE PROPERTIES

(TO 590 K)

PO KPA	XO	AO	P* KPA	T* K	Q* KG/M3	H* KJ/KG	X*	A*	PP	TR	PR
12000.0	-.0041	-.0396	7977.9	567.93	472.3	1363.7	.0330	.3681	.6648	.9626	.6964
11900.0	-.0037	-.0363	7888.8	567.14	465.8	1361.0	.0340	.3798	.6629	.9613	.6871
11800.0	-.0033	-.0328	7798.4	566.34	459.3	1358.3	.0350	.3895	.6609	.9599	.6777
11700.0	-.0029	-.0293	7719.3	565.63	453.5	1355.9	.0359	.3988	.6590	.9587	.6695
11600.0	-.0026	-.0258	7638.5	564.91	447.7	1353.4	.0369	.4083	.6585	.9575	.6612
11500.0	-.0022	-.0224	7562.4	564.22	442.2	1351.1	.0376	.4171	.6576	.9563	.6534
11400.0	-.0018	-.0190	7488.1	563.54	436.8	1348.7	.0384	.4256	.6569	.9551	.6458
11300.0	-.0015	-.0156	7416.0	562.87	431.7	1346.5	.0392	.4338	.6563	.9540	.6385
11200.0	-.0012	-.0123	7346.2	562.22	426.7	1344.3	.0399	.4417	.6559	.9529	.6314
11100.0	-.0008	-.0090	7278.5	561.59	421.9	1342.1	.0406	.4493	.6557	.9518	.6246
11000.0	-.0005	-.0057	7213.2	560.98	417.3	1340.0	.0413	.4566	.6557	.9508	.6181
10900.0	-.0002	-.0024	7149.2	560.37	412.8	1337.9	.0420	.4637	.6559	.9498	.6117

TABLE . SUBCOOLED CRITICAL STATE PROPERTIES

(TO 600 K)

PO KPA	XO	AO	P* KPA	T* K	D* KG/M3	H* KJ/KG	X*	A*	PR	TR	ZF
22120.0	*******	*******	11393.1	593.84	665.1	1466.9	.0000	.0000	.5151	.9897	.9771
22100.0	-1.2519	-7.4679	11394.9	593.85	665.1	1467.0	.0000	.0000	.5156	.9898	.9771
22000.0	-1.1374	-2.8851	11402.8	593.91	665.0	1467.3	.0000	.0000	.5183	.9898	.9773
21900.0	-.7454	-2.1072	11410.8	593.96	664.9	1467.6	.0000	.0000	.5210	.9899	.9775
21800.0	-.6704	-1.9357	11418.9	594.01	664.7	1468.0	.0000	.0000	.5238	.9900	.9777
21700.0	-.5800	-1.8040	11427.0	594.07	664.6	1468.3	.0000	.0000	.5266	.9901	.9779
21600.0	-.4909	-1.3451	11435.1	594.12	664.4	1468.6	.0000	.0000	.5294	.9902	.9781
21500.0	-.3909	-1.2239	11443.2	594.18	664.3	1469.0	.0000	.0000	.5322	.9903	.9783
21400.0	-.3543	-1.1579	11451.4	594.23	664.2	1469.3	.0000	.0000	.5351	.9904	.9784
21300.0	-.3260	-1.0491	11459.6	594.28	664.0	1469.7	.0000	.0000	.5380	.9905	.9786
21200.0	-.2999	-.9837	11467.9	594.34	663.9	1470.0	.0000	.0000	.5409	.9906	.9788
21100.0	-.2770	-.9257	11476.1	594.39	663.8	1470.3	.0000	.0000	.5439	.9907	.9790
21000.0	-.2573	-.8758	11484.4	594.45	663.6	1470.7	.0000	.0000	.5469	.9907	.9792
20900.0	-.2400	-.8317	11492.8	594.50	663.5	1471.0	.0000	.0000	.5499	.9908	.9794
20800.0	-.2248	-.7922	11501.1	594.56	663.3	1471.4	.0000	.0000	.5529	.9909	.9796
20700.0	-.2111	-.7565	11509.6	594.61	663.2	1471.7	.0000	.0000	.5560	.9910	.9798
20600.0	-.1989	-.7239	11517.9	594.67	663.1	1472.1	.0000	.0000	.5591	.9911	.9800
20500.0	-.1878	-.6940	11526.4	594.73	662.9	1472.4	.0000	.0000	.5623	.9912	.9802
20400.0	-.1777	-.6665	11534.8	594.78	662.8	1472.7	.0000	.0000	.5654	.9913	.9804
20300.0	-.1684	-.6409	11543.3	594.84	662.6	1473.1	.0000	.0000	.5686	.9914	.9806
20200.0	-.1599	-.6170	11551.9	594.89	662.5	1473.4	.0000	.0000	.5719	.9915	.9808
20100.0	-.1520	-.5946	11560.4	594.95	662.3	1473.8	.0000	.0000	.5751	.9916	.9810
20000.0	-.1446	-.5736	11569.0	595.01	662.2	1474.2	.0000	.0000	.5785	.9917	.9812
19900.0	-.1378	-.5538	11577.7	595.06	662.1	1474.5	.0000	.0000	.5818	.9918	.9814
19800.0	-.1314	-.5351	11586.3	595.12	661.9	1474.9	.0000	.0000	.5852	.9919	.9816
19700.0	-.1254	-.5173	11595.0	595.18	661.8	1475.2	.0000	.0000	.5886	.9920	.9818
19600.0	-.1198	-.5004	11603.8	595.23	661.6	1475.6	.0000	.0000	.5920	.9921	.9820
19500.0	-.1145	-.4843	11612.5	595.29	661.5	1475.9	.0000	.0000	.5955	.9922	.9822
19400.0	-.1096	-.4689	11621.3	595.35	661.3	1476.3	.0000	.0000	.5990	.9923	.9824
19300.0	-.1049	-.4542	11630.1	595.41	661.2	1476.7	.0000	.0000	.6026	.9923	.9826
19200.0	-.1004	-.4401	11639.0	595.46	661.0	1477.0	.0000	.0000	.6062	.9924	.9829
1910?.0	-.0962	-.4265	11647.9	595.52	660.9	1477.4	.0000	.0000	.6098	.9925	.9830
19000.0	-.0922	-.4135	11656.8	595.58	660.7	1477.8	.0000	.0000	.6135	.9926	.9833
18900.0	-.0883	-.4010	11665.8	595.64	660.6	1478.1	.0000	.0000	.6172	.9927	.9835
18800.0	-.0847	-.3890	11674.8	595.70	660.4	1478.5	.0000	.0000	.6210	.9928	.9837
18700.0	-.0813	-.3773	11683.8	595.76	660.3	1478.9	.0000	.0000	.6248	.9929	.9839
18600.0	-.0780	-.3661	11692.9	595.82	660.1	1479.2	.0000	.0000	.6287	.9930	.9841
18500.0	-.0748	-.3552	11702.0	595.88	660.0	1479.6	.0000	.0000	.6325	.9931	.9843
18400.0	-.0718	-.3447	11711.2	595.93	659.8	1480.0	.0000	.0000	.6365	.9932	.9845
18300.0	-.0689	-.3345	11720.3	595.99	659.7	1480.4	.0000	.0000	.6405	.9933	.9848
18200.0	-.0662	-.3247	11729.6	596.05	659.5	1480.7	.0000	.0000	.6445	.9934	.9850
18100.0	-.0635	-.3151	11738.8	596.11	659.4	1481.1	.0000	.0000	.6486	.9935	.9852
18000.0	-.0610	-.3058	11748.1	596.17	659.2	1481.5	.0000	.0000	.6527	.9936	.9854
17900.0	-.0586	-.2968	11757.4	596.24	659.0	1481.9	.0000	.0000	.6568	.9937	.9856
17800.0	-.0562	-.2881	11766.8	596.30	658.9	1482.3	.0000	.0000	.6611	.9938	.9859
17700.0	-.0540	-.2796	11776.2	596.36	658.7	1482.6	.0000	.0000	.6653	.9939	.9861
17600.0	-.0518	-.2713	11785.7	596.42	658.6	1483.0	.0000	.0000	.6696	.9940	.9863
17500.0	-.0498	-.2633	11795.1	596.48	658.4	1483.4	.0000	.0000	.6740	.9941	.9865
17400.0	-.0478	-.2554	11804.7	596.54	658.3	1483.8	.0000	.0000	.6784	.9942	.9868
17300.0	-.0459	-.2478	11814.2	596.60	658.1	1484.2	.0000	.0000	.6829	.9943	.9870
1720?.0	-.0440	-.2403	11823.9	596.67	657.9	1484.6	.0000	.0000	.6874	.9944	.9872
17100.0	-.0422	-.2331	11833.5	596.73	657.8	1485.0	.0000	.0000	.6920	.9945	.9875
17000.0	-.0405	-.2260	11843.2	596.79	657.6	1485.4	.0000	.0000	.6967	.9946	.9877
16900.0	-.0389	-.2190	11852.9	596.85	657.4	1485.8	.0000	.0000	.7014	.9948	.9879
16800.0	-.0373	-.2123	11862.7	596.92	657.3	1486.2	.0000	.0000	.7061	.9949	.9881
16700.0	-.0358	-.2057	11872.5	596.98	657.1	1486.6	.0000	.0000	.7109	.9950	.9884
16600.0	-.0343	-.1992	11882.4	597.04	657.0	1487.0	.0000	.0000	.7158	.9951	.9886
16500.0	-.0329	-.1931	11892.3	597.11	656.8	1487.4	.0000	.0000	.7207	.9952	.9889
16400.0	-.0315	-.1868	11902.2	597.17	656.6	1487.8	.0000	.0000	.7257	.9953	.9891
16300.0	-.0302	-.1807	11912.2	597.23	656.5	1488.2	.0000	.0000	.7308	.9954	.9893
16200.0	-.0289	-.1747	11922.3	597.30	656.3	1488.6	.0000	.0000	.7359	.9955	.9896
1610?.0	-.0277	-.1689	11932.4	597.36	656.1	1489.0	.0000	.0000	.7411	.9956	.9898
16000.0	-.0264	-.1631	11942.5	597.43	655.9	1489.4	.0000	.0000	.7464	.9957	.9901
15900.0	-.0253	-.1574	11952.7	597.49	655.8	1489.8	.0000	.0000	.7517	.9958	.9903
15800.0	-.0241	-.1519	11962.9	597.56	655.6	1490.3	.0000	.0000	.7571	.9959	.9906
15700.0	-.0230	-.1466	11973.2	597.62	655.4	1490.7	.0000	.0000	.7626	.9960	.9908
15600.0	-.0220	-.1410	11983.5	597.69	655.3	1491.1	.0000	.0003	.7682	.9962	.9911
15500.0	-.0209	-.1357	11977.7	597.65	654.0	1491.2	.0003	.0023	.7728	.9961	.9896
15400.0	-.0199	-.1305	11651.4	595.55	631.1	1484.0	.0093	.0503	.7566	.9926	.9556
1530?.0	-.0190	-.1254	11376.7	593.73	612.1	1477.9	.0095	.0888	.7436	.9896	.9279
15200.0	-.0180	-.1203	11134.5	592.12	598.9	1472.8	.0130	.1217	.7327	.9869	.9029
15100.0	-.0171	-.1153	10921.6	590.66	581.1	1467.5	.0160	.1504	.7233	.9844	.8812
15000.0	-.0162	-.1104	10725.4	589.30	568.0	1462.9	.0187	.1759	.7150	.9822	.8617
14900.0	-.0153	-.1056	10544.4	588.05	556.0	1458.7	.0212	.1988	.7078	.9801	.8441
14800.0	-.0145	-.1008	10381.5	586.88	545.1	1454.8	.0234	.2195	.7014	.9781	.8279
14700.0	-.0137	-.0961	10226.8	585.76	534.9	1451.0	.0254	.2385	.6957	.9763	.8129
14600.0	-.0129	-.0915	10081.9	584.71	525.5	1447.5	.0273	.2561	.6909	.9745	.7990
14500.0	-.0121	-.0869	9946.0	583.71	516.6	1444.1	.0290	.2723	.6859	.9729	.7860
14400.0	-.0114	-.0824	9816.4	582.75	508.3	1440.8	.0307	.2875	.6817	.9713	.7737
14300.0	-.0107	-.0779	9694.3	581.84	500.4	1437.8	.0322	.3017	.6779	.9697	.7621
1422?.0	-.0100	-.0739	9577.8	580.98	493.0	1434.8	.0336	.3151	.6745	.9683	.7511
14100.0	-.0093	-.0691	9466.1	580.10	486.8	1431.9	.0350	.3277	.6714	.9668	.7408
14000.0	-.0088	-.0648	9359.9	579.28	479.1	1429.2	.0363	.3396	.6686	.9655	.7309
13900.0	-.0080	-.0606	9258.3	578.49	472.4	1426.5	.0375	.3509	.6661	.9642	.7215
13800.0	-.0073	-.0564	9159.9	577.72	466.2	1423.9	.0386	.3617	.6638	.9629	.7124
13700.0	-.0067	-.0522	9065.6	576.98	460.6	1421.4	.0397	.3720	.6617	.9616	.7038
13600.0	-.0061	-.0481	8974.3	576.25	454.8	1419.0	.0408	.3818	.6599	.9604	.6955
13500.0	-.0056	-.0440	8886.3	575.54	449.4	1416.6	.0418	.3912	.6582	.9593	.6875
13400.0	-.0050	-.0400	8801.3	574.86	444.1	1414.3	.0428	.4003	.6568	.9581	.6798
13300.0	-.0045	-.0360	8718.9	574.19	439.0	1412.1	.0438	.4090	.6556	.9570	.6724
13200.0	-.0039	-.0321	8639.6	573.54	434.1	1410.0	.0447	.4171	.6545	.9559	.6653
13100.0	-.0034	-.0282	8562.1	572.90	429.3	1407.8	.0456	.4251	.6536	.9548	.6583
13000.0	-.0029	-.0243	8486.1	572.26	424.6	1405.7	.0466	.4329	.6529	.9538	.6515
12900.0	-.0024	-.0205	8411.1	571.66	420.2	1403.6	.0477	.4403	.6523	.9529	.6448
12800.0	-.0020	-.0167	8343.4	571.07	415.9	1401.7	.0488	.4474	.6518	.9518	.6380
12700.0	-.0015	-.0129	8276.3	570.48	411.7	1399.7	.0488	.4544	.6513	.9503	.6320
12600.0	-.0011	-.0092	8207.4	569.91	407.6	1397.8	.0495	.4611	.6514	.9499	.6260
12500.0	-.0006	-.0055	8141.2	569.34	403.6	1395.9	.0503	.4677	.6513	.9489	.6211
12400.0	-.0002	-.0018	8077.1	568.79	399.7	1394.1	.0510	.4740	.6514	.9480	.6154

TABLE 2. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 610 K)

PO KPa	XO	AO	P* KPa	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
22120.0	**********	**********	12974.6	603.82	638.5	1531.0	.0000	.0000	.5866	.9899	.9761
22100.0	-3.1195	-6.8418	12976.7	603.84	638.5	1531.1	.0000	.0000	.5872	.9899	.9761
22000.0	-1.0807	-2.6337	12987.2	603.90	638.3	1531.5	.0000	.0000	.5903	.9900	.9764
21900.0	-.7420	-1.9135	12997.8	603.98	638.1	1531.9	.0000	.0000	.5935	.9901	.9766
21800.0	-.5834	-1.5078	13008.4	604.03	637.9	1532.3	.0000	.0000	.5967	.9902	.9768
21700.0	-.4870	-1.2546	13019.1	604.09	637.8	1532.8	.0000	.0000	.6000	.9903	.9771
21600.0	-.4206	-1.0852	13029.9	604.16	637.6	1533.2	.0000	.0000	.6032	.9904	.9773
21500.0	-.3714	-1.0925	13040.6	604.22	637.4	1533.6	.0000	.0000	.6065	.9905	.9775
21400.0	-.3339	-1.0032	13051.3	604.28	637.2	1534.1	.0000	.0000	.6099	.9906	.9778
21300.0	-.3018	-.9299	13062.3	604.35	637.0	1534.5	.0000	.0000	.6133	.9907	.9780
21200.0	-.2760	-.8681	13073.3	604.41	636.8	1534.9	.0000	.0000	.6167	.9908	.9782
21100.0	-.2541	-.8140	13084.3	604.48	636.6	1535.4	.0000	.0000	.6201	.9910	.9785
21000.0	-.2352	-.7685	13095.3	604.55	636.5	1535.8	.0000	.0000	.6236	.9911	.9787
20900.0	-.2187	-.7273	13106.4	604.61	636.3	1536.2	.0000	.0000	.6271	.9912	.9789
20800.0	-.2042	-.6904	13117.5	604.68	636.1	1536.7	.0000	.0000	.6306	.9913	.9792
20700.0	-.1912	-.6570	13128.7	604.74	635.9	1537.1	.0000	.0000	.6342	.9914	.9794
20600.0	-.1795	-.6266	13139.9	604.81	635.7	1537.6	.0000	.0000	.6378	.9915	.9797
20500.0	-.1689	-.5986	13151.2	604.88	635.5	1538.0	.0000	.0000	.6415	.9916	.9799
20400.0	-.1593	-.5728	13162.5	604.95	635.3	1538.5	.0000	.0000	.6452	.9917	.9802
20300.0	-.1504	-.5488	13173.9	605.01	635.1	1538.9	.0000	.0000	.6490	.9918	.9804
20200.0	-.1423	-.5264	13185.4	605.08	634.9	1539.4	.0000	.0000	.6527	.9919	.9807
20100.0	-.1348	-.5056	13196.9	605.15	634.7	1539.9	.0000	.0000	.6566	.9920	.9809
20000.0	-.1278	-.4857	13208.5	605.22	634.5	1540.3	.0000	.0000	.6604	.9922	.9812
19900.0	-.1213	-.4671	13220.1	605.29	634.3	1540.8	.0000	.0000	.6643	.9923	.9814
19800.0	-.1152	-.4495	13231.8	605.36	634.1	1541.2	.0000	.0000	.6683	.9924	.9817
19700.0	-.1096	-.4327	13243.5	605.43	633.9	1541.7	.0000	.0000	.6723	.9925	.9819
19600.0	-.1042	-.4168	13255.3	605.49	633.7	1542.2	.0000	.0000	.6763	.9926	.9822
19500.0	-.0992	-.4016	13267.2	605.56	633.5	1542.6	.0000	.0000	.6804	.9927	.9825
19400.0	-.0945	-.3871	13279.1	605.63	633.3	1543.1	.0000	.0000	.6845	.9928	.9827
19300.0	-.0900	-.3733	13291.1	605.71	633.1	1543.6	.0000	.0000	.6887	.9930	.9830
19200.0	-.0858	-.3599	13303.1	605.78	632.9	1544.1	.0000	.0000	.6930	.9931	.9833
19100.0	-.0818	-.3471	13315.3	605.85	632.7	1544.6	.0000	.0000	.6971	.9932	.9835
19000.0	-.0780	-.3348	13327.4	605.92	632.5	1545.0	.0000	.0000	.7014	.9933	.9838
18900.0	-.0744	-.3230	13339.7	605.99	632.3	1545.5	.0000	.0000	.7058	.9934	.9841
18800.0	-.0709	-.3116	13352.0	606.06	632.1	1546.0	.0000	.0000	.7102	.9935	.9843
18700.0	-.0677	-.3005	13364.3	606.14	631.9	1546.5	.0000	.0000	.7147	.9937	.9846
18600.0	-.0646	-.2899	13376.8	606.21	631.6	1547.0	.0000	.0000	.7192	.9938	.9849
18500.0	-.0616	-.2796	13389.3	606.28	631.4	1547.5	.0000	.0000	.7237	.9939	.9852
18400.0	-.0587	-.2696	13401.9	606.36	631.2	1548.0	.0000	.0000	.7284	.9940	.9854
18300.0	-.0560	-.2599	13414.5	606.43	631.0	1548.5	.0000	.0000	.7330	.9941	.9857
18200.0	-.0534	-.2505	13427.2	606.50	630.8	1549.0	.0000	.0000	.7378	.9943	.9860
18100.0	-.0509	-.2414	13440.0	606.58	630.6	1549.5	.0000	.0000	.7425	.9944	.9863
18000.0	-.0485	-.2326	13452.9	606.65	630.3	1550.0	.0000	.0000	.7474	.9945	.9866
17900.0	-.0463	-.2240	13465.8	606.73	630.1	1550.5	.0000	.0000	.7523	.9946	.9869
17800.0	-.0441	-.2156	13478.9	606.80	629.9	1551.0	.0000	.0000	.7572	.9948	.9872
17700.0	-.0420	-.2075	13491.9	606.88	629.7	1551.6	.0000	.0000	.7623	.9949	.9875
17600.0	-.0400	-.1996	13358.5	606.10	621.3	1540.1	.0025	.0194	.7590	.9936	.9749
17500.0	-.0380	-.1919	13088.1	604.30	605.4	1543.7	.0073	.0559	.7479	.9910	.9507
17400.0	-.0361	-.1843	12842.4	603.03	591.1	1538.8	.0114	.0880	.7381	.9886	.9289
17300.0	-.0344	-.1770	12620.0	601.67	578.3	1534.3	.0151	.1163	.7295	.9864	.9093
17200.0	-.0326	-.1699	12414.1	600.40	566.5	1530.0	.0184	.1419	.7217	.9843	.8913
17100.0	-.0310	-.1629	12223.2	599.21	555.6	1526.1	.0213	.1651	.7148	.9823	.8748
17000.0	-.0294	-.1561	12043.9	598.08	545.4	1522.3	.0240	.1864	.7085	.9805	.8594
16900.0	-.0278	-.1494	11876.3	597.00	535.9	1518.7	.0265	.2060	.7027	.9787	.8450
16800.0	-.0264	-.1429	11716.6	595.97	526.9	1515.3	.0289	.2243	.6974	.9770	.8314
16700.0	-.0249	-.1365	11566.2	594.99	518.5	1512.0	.0310	.2413	.6926	.9754	.8187
16600.0	-.0235	-.1302	11423.0	594.04	510.6	1508.9	.0331	.2572	.6881	.9738	.8067
16500.0	-.0223	-.1243	11287.4	593.14	503.0	1505.9	.0349	.2721	.6841	.9724	.7954
16400.0	-.0210	-.1183	11157.0	592.26	495.8	1503.0	.0367	.2862	.6803	.9709	.7845
16300.0	-.0197	-.1124	11032.2	591.41	488.9	1500.2	.0384	.2996	.6768	.9695	.7742
16200.0	-.0185	-.1065	10913.2	590.60	482.4	1497.5	.0400	.3121	.6737	.9682	.7644
16100.0	-.0174	-.1008	10797.8	589.80	476.0	1494.9	.0415	.3241	.6707	.9669	.7549
16000.0	-.0162	-.0952	10687.3	589.04	470.0	1492.4	.0430	.3354	.6680	.9656	.7459
15900.0	-.0151	-.0897	10580.6	588.29	464.2	1489.9	.0444	.3465	.6654	.9644	.7372
15800.0	-.0141	-.0843	10477.8	587.56	458.6	1487.5	.0457	.3568	.6632	.9632	.7289
15700.0	-.0131	-.0789	10378.2	586.85	453.2	1485.2	.0470	.3668	.6610	.9621	.7208
15600.0	-.0121	-.0737	10282.0	586.16	448.0	1483.0	.0482	.3764	.6591	.9609	.7131
15500.0	-.0111	-.0685	10188.1	585.48	442.9	1480.9	.0494	.3856	.6573	.9598	.7055
15400.0	-.0102	-.0634	10097.9	584.83	438.0	1478.5	.0505	.3944	.6557	.9587	.6983
15300.0	-.0093	-.0584	10010.3	584.19	433.3	1476.6	.0516	.4029	.6543	.9577	.6914
15200.0	-.0084	-.0534	9925.1	583.56	428.7	1474.5	.0527	.4111	.6530	.9567	.6846
15100.0	-.0076	-.0485	9842.0	582.94	424.3	1472.5	.0537	.4190	.6518	.9556	.6780
15000.0	-.0068	-.0437	9761.5	582.34	420.0	1470.6	.0547	.4266	.6508	.9547	.6716
14900.0	-.0060	-.0389	9683.1	581.75	415.8	1468.7	.0556	.4340	.6499	.9537	.6655
14800.0	-.0052	-.0342	9606.3	581.17	411.7	1466.8	.0566	.4412	.6491	.9527	.6594
14700.0	-.0044	-.0295	9531.3	580.60	407.7	1465.0	.0575	.4482	.6484	.9518	.6536
14600.0	-.0037	-.0249	9459.1	580.05	403.8	1463.2	.0583	.4549	.6479	.9509	.6479
14500.0	-.0030	-.0204	9388.1	579.50	400.0	1461.5	.0592	.4614	.6475	.9500	.6424
14400.0	-.0023	-.0159	9318.1	578.96	396.3	1459.8	.0600	.4678	.6471	.9491	.6370
14300.0	-.0017	-.0115	9250.7	578.43	392.7	1458.1	.0608	.4739	.6469	.9483	.6317
14200.0	-.0010	-.0071	9184.6	577.92	389.2	1456.5	.0616	.4799	.6468	.9474	.6266
14100.0	-.0004	-.0027	9119.3	577.40	385.7	1454.9	.0624	.4859	.6468	.9466	.6216

TABLE 2. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 620 K)

PO KPA	XO	AO	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	HR
22120.0	********	********	14756.2	613.97	607.5	1601.4	.0000	.0000	.6671	.9903	.9752
22100.0	-2.9477	-6.1946	14759.1	613.99	607.5	1601.5	.0000	.0000	.6674	.9903	.9753
22000.0	-1.0079	-2.3187	14773.5	614.06	607.2	1602.1	.0000	.0000	.6715	.9904	.9756
21900.0	-.6862	-1.6837	14788.0	614.14	607.0	1602.7	.0000	.0000	.6753	.9906	.9759
21800.0	-.5358	-1.3703	14802.6	614.22	606.7	1603.2	.0000	.0000	.6790	.9907	.9761
21700.0	-.4445	-1.1763	14817.3	614.30	606.5	1603.8	.0000	.0000	.6828	.9908	.9764
21600.0	-.3816	-1.0402	14832.0	614.38	606.2	1604.4	.0000	.0000	.6867	.9909	.9768
21500.0	-.3350	-.9374	14846.9	614.46	605.9	1605.0	.0000	.0000	.6906	.9911	.9771
21400.0	-.2987	-.8559	14861.9	614.54	605.7	1605.6	.0000	.0000	.6944	.9912	.9774
21300.0	-.2693	-.7898	14877.0	614.62	605.4	1606.2	.0000	.0000	.6984	.9913	.9777
21200.0	-.2450	-.7325	14892.1	614.70	605.1	1606.8	.0000	.0000	.7025	.9915	.9780
21100.0	-.2243	-.6836	14907.4	614.79	604.8	1607.4	.0000	.0000	.7065	.9916	.9783
21000.0	-.2065	-.6409	14922.8	614.87	604.6	1608.0	.0000	.0000	.7106	.9917	.9786
20900.0	-.1910	-.6031	14938.2	614.95	604.3	1608.6	.0000	.0000	.7147	.9919	.9789
20800.0	-.1773	-.5695	14953.8	615.03	604.0	1609.2	.0000	.0000	.7189	.9920	.9793
20700.0	-.1651	-.5386	14969.5	615.12	603.7	1609.8	.0000	.0000	.7232	.9921	.9796
20600.0	-.1541	-.5103	14985.3	615.20	603.4	1610.4	.0000	.0000	.7274	.9923	.9799
20500.0	-.1441	-.4845	15001.2	615.29	603.1	1611.1	.0000	.0000	.7318	.9924	.9802
20400.0	-.1350	-.4606	15017.2	615.37	602.9	1611.7	.0000	.0000	.7361	.9925	.9806
20300.0	-.1267	-.4384	15033.4	615.46	602.6	1612.3	.0000	.0000	.7406	.9927	.9809
20200.0	-.1191	-.4177	15049.6	615.55	602.3	1613.0	.0000	.0000	.7450	.9928	.9813
20100.0	-.1120	-.3982	15066.0	615.63	602.0	1613.6	.0000	.0000	.7496	.9930	.9816
20000.0	-.1055	-.3798	15082.5	615.72	601.7	1614.3	.0000	.0000	.7541	.9931	.9819
19900.0	-.0994	-.3625	14934.4	614.88	593.4	1611.5	.0035	.0319	.7500	.9917	.9647
19800.0	-.0937	-.3461	14682.5	613.57	581.4	1607.3	.0086	.0533	.7415	.9906	.9504
19700.0	-.0884	-.3304	14455.9	612.33	570.2	1603.2	.0131	.0819	.7339	.9876	.9379
19600.0	-.0834	-.3155	14244.5	611.16	559.8	1599.4	.0172	.1078	.7268	.9849	.9167
19500.0	-.0787	-.3013	14045.8	610.05	550.0	1595.8	.0209	.1316	.7203	.9840	.9015
19400.0	-.0742	-.2877	13858.4	608.99	540.8	1592.3	.0243	.1535	.7144	.9827	.8893
19300.0	-.0701	-.2747	13679.1	607.96	532.1	1589.0	.0275	.1739	.7089	.9806	.8738
19200.0	-.0661	-.2621	13510.6	606.99	523.9	1585.8	.0304	.1929	.7037	.9790	.8611
19100.0	-.0624	-.2501	13349.5	606.05	516.1	1582.8	.0331	.2106	.6989	.9778	.8490
19000.0	-.0588	-.2384	13194.3	605.13	508.6	1579.8	.0357	.2274	.6944	.9760	.8375
18900.0	-.0554	-.2272	13046.3	604.25	501.4	1577.0	.0381	.2431	.6903	.9746	.8265
18800.0	-.0522	-.2164	12904.1	603.40	494.6	1574.3	.0403	.2580	.6864	.9733	.8160
18700.0	-.0491	-.2059	12767.1	602.57	488.0	1571.6	.0425	.2722	.6827	.9719	.8059
18600.0	-.0462	-.1958	12636.1	601.77	481.7	1569.0	.0445	.2856	.6794	.9706	.7963
18500.0	-.0434	-.1860	12508.8	600.99	475.6	1566.5	.0465	.2984	.6762	.9693	.7870
18400.0	-.0408	-.1764	12385.8	600.23	469.8	1564.1	.0483	.3106	.6731	.9681	.7780
18300.0	-.0382	-.1672	12266.6	599.46	464.1	1561.7	.0501	.3223	.6703	.9669	.7694
18200.0	-.0358	-.1582	12152.0	598.76	458.6	1559.5	.0518	.3335	.6677	.9657	.7611
18100.0	-.0335	-.1495	12040.8	598.06	453.3	1557.2	.0534	.3442	.6652	.9646	.7531
18000.0	-.0313	-.1410	11932.9	597.37	448.2	1555.1	.0550	.3545	.6629	.9635	.7453
17900.0	-.0291	-.1329	11828.1	596.69	443.2	1553.0	.0565	.3643	.6608	.9624	.7378
17800.0	-.0271	-.1249	11726.8	596.04	438.4	1550.9	.0579	.3738	.6588	.9613	.7306
17700.0	-.0251	-.1167	11627.6	595.39	433.7	1548.9	.0593	.3830	.6569	.9603	.7235
17600.0	-.0232	-.1091	11531.6	594.76	429.1	1547.0	.0606	.3919	.6552	.9593	.7167
17500.0	-.0214	-.1016	11437.0	594.13	424.6	1545.1	.0620	.4005	.6535	.9583	.7100
17400.0	-.0197	-.0943	11347.1	593.54	420.4	1543.2	.0632	.4086	.6521	.9573	.7036
17300.0	-.0180	-.0870	11257.1	592.94	416.1	1541.4	.0645	.4167	.6507	.9563	.6973
17200.0	-.0164	-.0800	11170.4	592.35	412.0	1539.6	.0656	.4244	.6495	.9554	.6917
17100.0	-.0148	-.0732	11088.5	591.78	408.0	1537.9	.0668	.4319	.6483	.9545	.6853
17000.0	-.0133	-.0664	11004.1	591.22	404.1	1536.2	.0679	.4392	.6473	.9536	.6795
16900.0	-.0119	-.0598	10922.8	590.67	400.3	1534.6	.0690	.4465	.6463	.9527	.6738
16800.0	-.0105	-.0534	10843.9	590.12	396.5	1533.0	.0701	.4537	.6455	.9518	.6683
16700.0	-.0092	-.0470	10767.7	589.60	392.9	1531.4	.0712	.4599	.6448	.9510	.6630
16600.0	-.0079	-.0408	10692.2	589.07	389.3	1529.9	.0722	.4664	.6441	.9501	.6578
16500.0	-.0067	-.0348	10619.1	588.56	385.8	1528.4	.0732	.4727	.6436	.9493	.6527
16400.0	-.0055	-.0287	10546.6	588.05	382.3	1526.9	.0742	.4789	.6431	.9488	.6477
16300.0	-.0043	-.0228	10475.0	587.55	378.9	1525.5	.0751	.4849	.6429	.9477	.6428
16200.0	-.0031	-.0169	10407.9	587.04	375.7	1524.1	.0761	.4907	.6425	.9469	.6381
16100.0	-.0020	-.0111	10339.8	586.58	372.4	1522.7	.0770	.4965	.6422	.9461	.6334
16000.0	-.0010	-.0053	10273.7	586.10	369.3	1521.4	.0779	.5021	.6421	.9453	.6288

TABLE 3. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 630 K)

PO KPA	XO	AO	P* KPA	T* K	D* KG/M3	H* KJ/KG	Y*	A*	PR	TR	RR
22120.0	********	********	16824.1	624.56	568.7	1684.0	.0000	.0000	.7606	.9914	.9740
22100.0	-2.7073	-5.3318	16828.1	624.58	568.6	1684.2	.0000	.0000	.7615	.9914	.9741
22000.0	-.9051	-1.9673	15553.1	618.19	519.7	1651.3	.0295	.1496	.7070	.9813	.8913
21900.0	-.6077	-1.3949	15376.8	617.27	512.3	1648.4	.0333	.1696	.7021	.9798	.8796
21800.0	-.4681	-1.1204	15209.6	616.39	505.2	1645.7	.0368	.1881	.6979	.9784	.8686
21730.0	-.3838	-.9501	15067.4	615.63	498.4	1643.2	.0401	.2054	.6934	.9770	.8579
21600.0	-.3258	-.8303	14892.9	614.71	491.9	1640.5	.0432	.2223	.6895	.9757	.8478
21500.0	-.2829	-.7395	14742.5	613.90	485.5	1638.0	.0461	.2390	.6857	.9744	.8379
21400.0	-.2494	-.6673	14598.4	613.11	479.5	1635.6	.0489	.2529	.6822	.9732	.8295
21300.0	-.2223	-.6078	14457.3	612.34	473.5	1633.3	.0515	.2671	.6787	.9720	.8193
21200.0	-.1999	-.5575	14321.9	611.59	467.8	1631.0	.0540	.2807	.6756	.9709	.8106
21100.0	-.1809	-.5139	14190.3	610.86	462.3	1628.8	.0564	.2935	.6725	.9696	.8020
21000.0	-.1645	-.4757	14062.9	610.15	456.9	1626.7	.0586	.3060	.6697	.9685	.7938
20900.0	-.1507	-.4417	13940.1	609.45	451.7	1624.6	.0608	.3178	.6670	.9674	.7859
20800.0	-.1374	-.4111	13819.1	608.76	446.7	1622.6	.0629	.3293	.6644	.9663	.7781
20700.0	-.1263	-.3832	13702.4	608.10	441.7	1620.6	.0649	.3402	.6620	.9652	.7706
20600.0	-.1162	-.3577	13586.6	607.43	436.8	1618.7	.0669	.3509	.6595	.9642	.7632
20500.0	-.1070	-.3342	13476.3	606.79	432.2	1616.9	.0687	.3611	.6574	.9632	.7562
20400.0	-.0986	-.3123	13368.1	606.16	427.6	1615.1	.0705	.3709	.6553	.9622	.7493
20300.0	-.0910	-.2919	13263.4	605.54	423.2	1613.3	.0723	.3804	.6534	.9612	.7426
20250.0	-.0839	-.2727	13150.4	604.93	418.8	1611.6	.0740	.3896	.6515	.9602	.7361
20100.0	-.0774	-.2546	13059.2	604.33	414.5	1610.0	.0756	.3985	.6497	.9593	.7297
20000.0	-.0713	-.2375	12960.6	603.74	410.3	1608.3	.0772	.4073	.6480	.9583	.7235
19900.0	-.0656	-.2213	12865.3	603.17	406.2	1606.7	.0788	.4157	.6465	.9574	.7175
19800.0	-.0603	-.2059	12771.2	602.60	402.2	1605.2	.0803	.4239	.6450	.9565	.7115
19730.0	-.0554	-.1911	12680.1	602.04	398.3	1603.7	.0818	.4317	.6437	.9556	.7058
19600.0	-.0507	-.1770	12590.3	601.49	394.4	1602.3	.0833	.4395	.6424	.9547	.7002
19500.0	-.0463	-.1634	12503.2	600.95	390.6	1600.9	.0847	.4469	.6412	.9539	.6947
19400.0	-.0421	-.1503	12416.6	600.42	386.9	1599.5	.0861	.4543	.6400	.9530	.6893
19300.0	-.0382	-.1377	12332.7	599.90	383.2	1598.2	.0875	.4615	.6390	.9522	.6841
19200.0	-.0344	-.1256	12250.2	599.38	379.6	1596.9	.0888	.4686	.6380	.9514	.6789
19100.0	-.0309	-.1138	12169.5	598.87	376.1	1595.7	.0902	.4753	.6372	.9506	.6739
19000.0	-.0275	-.1024	12090.8	598.37	372.6	1594.5	.0915	.4819	.6364	.9498	.6690
18900.0	-.0243	-.0912	12013.5	597.88	369.2	1593.3	.0928	.4884	.6355	.9490	.6642
18800.0	-.0212	-.0804	11937.5	597.40	365.8	1592.2	.0940	.4949	.6350	.9483	.6595
18700.0	-.0183	-.0699	11863.4	596.93	362.5	1591.1	.0953	.5010	.6344	.9475	.6549
18600.0	-.0154	-.0596	11790.3	596.45	359.2	1590.1	.0966	.5069	.6339	.9467	.6503
18500.0	-.0127	-.0496	11718.7	595.98	356.0	1589.1	.0978	.5132	.6334	.9460	.6459
18400.0	-.0101	-.0397	11648.6	595.53	352.8	1588.3	.0990	.5191	.6331	.9453	.6415
18300.0	-.0076	-.0301	11579.7	595.09	349.6	1587.3	.1003	.5249	.6328	.9446	.6373
18200.0	-.0051	-.0206	11512.6	594.63	346.4	1586.4	.1015	.5305	.6326	.9439	.6331
18100.0	-.0028	-.0113	11444.6	594.20	343.3	1585.6	.1027	.5362	.6324	.9432	.6290
18000.0	-.0005	-.0021	11380.2	593.76	340.2	1584.8	.1040	.5418	.6323	.9425	.6250

TABLE 2. SUBCOOLED CRITICAL STATE PROPERTIES

(TO 640 K)

PO KPA	XO	AO	P* KPA	T* K	D* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
22120.0	*******	*******	14198.0	610.90	379.0	1691.3	.1058	.4511	.6419	.9545	.7215
22100.0	-2.2786	-4.0352	14179.5	610.80	378.2	1691.1	.1062	.4528	.6416	.9944	.7209
22000.0	-.7700	-1.4046	14084.6	610.37	374.2	1690.2	.1082	.4611	.6402	.9527	.7151
21900.0	-.4633	-.9936	13992.9	609.75	370.4	1689.3	.1101	.4693	.6388	.9527	.7098
21800.0	-.3435	-.7751	13901.0	609.23	366.5	1688.5	.1121	.4773	.6377	.9519	.7047
21700.0	-.2707	-.6479	13812.0	608.72	362.7	1687.7	.1141	.4852	.6365	.9511	.6997
21600.0	-.2204	-.5001	13724.8	608.23	358.9	1687.1	.1160	.4929	.6354	.9504	.6948
21500.0	-.1830	-.4250	13637.2	607.72	355.1	1686.4	.1180	.5004	.6343	.9496	.6899
21400.0	-.1537	-.3644	13548.9	607.24	351.4	1685.9	.1199	.5081	.6334	.9488	.6852
21300.0	-.1307	-.3135	13471.2	606.76	347.6	1685.4	.1219	.5158	.6325	.9481	.6805
21200.0	-.1097	-.2696	13386.6	606.28	343.9	1685.1	.1239	.5239	.6316	.9473	.6759
21100.0	-.0925	-.2309	13309.6	605.81	340.1	1684.8	.1260	.5302	.6308	.9466	.6715
21000.0	-.0774	-.1960	13231.2	605.35	336.4	1684.6	.1280	.5375	.6301	.9459	.6671
20900.0	-.0640	-.1642	13153.1	604.89	332.6	1684.6	.1301	.5444	.6293	.9451	.6627
20800.0	-.0519	-.1348	13077.4	604.44	328.7	1684.6	.1323	.5521	.6287	.9444	.6585
20700.0	-.0407	-.1071	13003.5	604.00	324.9	1684.9	.1346	.5593	.6282	.9437	.6544
20600.0	-.0304	-.0807	12930.3	603.56	320.9	1685.3	.1369	.5667	.6277	.9431	.6503
20500.0	-.0206	-.0553	12857.5	603.12	316.9	1685.8	.1394	.5742	.6272	.9424	.6463
20400.0	-.0113	-.0304	12786.8	602.69	312.7	1686.7	.1421	.5819	.6268	.9417	.6424
20300.0	-.0021	-.0058	12717.9	602.27	308.4	1687.8	.1449	.5898	.6265	.9411	.6386

Critical Flow Properties Saturated Stagnation Conditions—Temperature Referenced

TABLE 3. Critical Flow Properties (Two-Phase Conditions--Temperature Referenced)

Values of the critical flow parameters listed below are presented in Table A-3.

Parameter	Symbol
Mass flux	G
Homogeneous equilibrium speed of sound	AHE
Mixture velocity	VAVG
Mach number	MAVG
Slip	S
Liquid velocity	VL
Vapor velocity	VV
Flow quality[a]	XF

a. Flow quality is the ratio of the mass flow rate of the vapor phase to the total mass rate.

TABLE SATURATED CRITICAL FLOW PROPERTIES

(TO Z90 X (PSAT 1.9 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XE
0.0000	0.0000	998.9	70.7	498.	.1	1.4	16.11	41.665	1.4	59.1	.001
.0100	.9986	1.4	95.3	158.	.8	4.5	5.78	43.409	4.4	192.3	.014
.0200	.9993	.7	119.9	102.	1.4	5.9	4.01	44.463	5.3	237.9	.026
.0300	.9995	.5	144.5	76.	1.9	6.1	3.16	45.159	5.9	264.3	.037
.0400	.9997	.4	169.2	62.	2.5	6.8	2.64	45.642	6.2	281.6	.048
.0500	.9997	.3	193.8	52.	3.0	6.8	2.28	46.056	6.4	294.6	.059
.0600	.9998	.2	218.4	45.	3.5	7.1	2.02	46.353	6.6	305.4	.068
.0700	.9998	.2	243.0	39.	4.0	7.3	1.81	46.606	6.7	313.6	.078
.0800	.9998	.2	267.6	35.	4.5	7.5	1.64	46.796	6.8	320.7	.088
.0900	.9999	.2	292.2	32.	5.1	7.7	1.51	47.006	6.9	326.1	.098
.1000	.9999	.1	316.9	29.	5.6	7.8	1.40	47.149	7.0	330.5	.108
.1100	.9999	.1	341.5	27.	6.1	8.0	1.30	47.291	7.1	334.9	.118
.1200	.9999	.1	366.1	25.	6.6	8.1	1.23	47.366	7.1	337.4	.128
.1300	.9999	.1	390.7	23.	7.1	8.3	1.16	47.513	7.2	341.4	.137
.1400	.9999	.1	415.3	22.	7.6	8.4	1.08	47.589	7.2	343.6	.147
.1500	.9999	.1	439.9	20.	8.1	8.6	1.03	47.700	7.3	347.0	.157
.1600	.9999	.1	464.6	19.	8.6	8.7	.98	47.775	7.3	349.2	.167
.1700	.9999	.1	489.2	18.	9.1	8.9	.93	47.704	7.3	350.0	.177
.1800	.9999	.1	513.8	17.	9.6	9.0	.89	47.851	7.4	351.7	.186
.1900	.9999	.1	538.4	16.	10.1	9.1	.86	47.890	7.4	352.0	.196
.2000	.9999	.1	563.0	16.	10.7	9.3	.82	47.966	7.4	353.1	.206
.2100	.9999	.1	587.7	15.	11.2	9.4	.79	48.024	7.4	354.7	.216
.2200	.9999	.1	612.3	14.	11.8	9.6	.77	48.043	7.4	354.9	.225
.2300	1.0000	.1	636.9	14.	12.3	9.7	.74	48.100	7.5	356.3	.235
.2400	1.0000	.1	661.5	13.	12.9	9.8	.72	48.141	7.5	356.6	.245
.2500	1.0000	.1	686.1	13.	13.4	10.0	.70	48.238	7.5	357.6	.254
.2600	1.0000	.1	710.7	12.	13.9	10.1	.68	48.219	7.5	358.3	.264
.2700	1.0000	.1	735.4	12.	14.5	10.3	.66	48.230	7.5	358.9	.274
.2800	1.0000	.1	760.0	11.	15.0	10.5	.64	48.343	7.6	359.9	.283
.2900	1.0000	.0	784.6	11.	15.5	10.6	.62	48.279	7.5	359.1	.293
.3000	1.0000	.0	809.2	11.	16.1	10.7	.61	48.318	7.6	359.2	.303
.3100	1.0000	.0	833.8	10.	16.6	10.9	.59	48.398	7.6	361.3	.312
.3200	1.0000	.0	858.4	10.	17.1	11.0	.58	48.438	7.6	362.2	.322
.3300	1.0000	.0	883.1	10.	17.7	11.2	.57	48.398	7.6	361.4	.332
.3400	1.0000	.0	907.7	9.	18.2	11.4	.56	48.478	7.6	362.4	.341
.3500	1.0000	.0	932.3	9.	18.7	11.6	.54	48.438	7.6	361.6	.351
.3600	1.0000	.0	956.9	9.	19.2	11.8	.53	48.438	7.6	361.7	.361
.3700	1.0000	.0	981.5	9.	19.8	12.0	.52	48.478	7.6	362.7	.370
.3800	1.0000	.0	1006.1	9.	20.3	12.2	.51	48.559	7.7	364.6	.380
.3900	1.0000	.0	1030.8	8.	20.8	12.4	.50	48.559	7.7	364.7	.390
.4000	1.0000	.0	1055.4	8.	21.3	12.6	.50	48.599	7.7	365.7	.399
.4100	1.0000	.0	1080.0	8.	21.8	12.8	.49	48.518	7.6	363.9	.409
.4200	1.0000	.0	1104.6	8.	22.3	13.0	.48	48.519	7.6	364.0	.419
.4300	1.0000	.0	1129.2	8.	22.8	13.2	.48	48.681	7.7	367.8	.428
.4400	1.0000	.0	1153.9	7.	23.3	13.5	.47	48.640	7.7	366.9	.438
.4500	1.0000	.0	1178.5	7.	23.8	13.7	.46	48.640	7.7	367.0	.448
.4600	1.0000	.0	1203.1	7.	24.3	13.9	.45	48.681	7.7	368.0	.457
.4700	1.0000	.0	1227.7	7.	24.8	14.1	.45	48.599	7.7	366.3	.467
.4800	1.0000	.0	1252.3	7.	25.3	14.4	.44	48.599	7.7	366.3	.477
.4900	1.0000	.0	1276.9	7.	25.8	14.7	.44	48.722	7.7	369.1	.486
.5000	1.0000	.0	1301.6	7.	26.3	15.0	.43	48.722	7.7	369.2	.496
.5100	1.0000	.0	1326.2	6.	26.8	15.3	.43	48.722	7.7	369.2	.505
.5200	1.0000	.0	1350.8	6.	27.3	15.6	.42	48.763	7.7	370.3	.515
.5300	1.0000	.0	1375.4	6.	27.8	15.9	.42	48.763	7.7	370.5	.525
.5400	1.0000	.0	1400.0	6.	28.3	16.2	.42	48.763	7.7	370.5	.534
.5500	1.0000	.0	1424.6	6.	28.8	16.5	.41	48.681	7.7	368.5	.544
.5600	1.0000	.0	1449.3	6.	29.3	16.9	.41	48.681	7.7	368.5	.554
.5700	1.0000	.0	1473.9	6.	29.8	17.2	.40	48.681	7.7	368.6	.563
.5800	1.0000	.0	1498.5	6.	30.3	17.5	.40	48.846	7.8	372.3	.573
.5900	1.0000	.0	1523.1	5.	30.8	17.8	.40	48.846	7.8	372.4	.582
.6000	1.0000	.0	1547.7	5.	31.3	18.1	.40	48.805	7.8	371.5	.592
.6100	1.0000	.0	1572.4	5.	31.8	18.5	.40	48.805	7.8	371.5	.602
.6200	1.0000	.0	1597.0	5.	32.3	18.9	.40	48.805	7.8	371.5	.611
.6300	1.0000	.0	1621.6	5.	32.8	19.3	.39	48.846	7.8	372.5	.621
.6400	1.0000	.0	1646.2	5.	33.3	19.8	.39	48.846	7.8	372.5	.631
.6500	1.0000	.0	1670.8	5.	33.8	20.3	.39	48.846	7.8	372.6	.640
.6600	1.0000	.0	1695.4	5.	34.3	20.8	.39	48.846	7.8	372.6	.650
.6700	1.0000	.0	1720.1	5.	34.9	21.3	.39	48.763	7.7	370.7	.660
.6800	1.0000	.0	1744.7	5.	35.4	21.9	.38	48.763	7.7	370.8	.669
.6900	1.0000	.0	1769.3	5.	35.9	22.5	.38	48.763	7.7	370.8	.679
.7000	1.0000	.0	1793.9	5.	36.4	23.1	.38	48.763	7.7	370.9	.689
.7100	1.0000	.0	1818.5	5.	36.9	23.8	.38	48.763	7.7	370.9	.698
.7200	1.0000	.0	1843.2	5.	37.4	24.5	.38	48.888	7.8	373.8	.708
.7300	1.0000	.0	1867.8	5.	37.9	25.4	.39	48.681	7.7	369.1	.718
.7400	1.0000	.0	1892.4	4.	38.4	26.0	.38	48.681	7.7	369.1	.727
.7500	1.0000	.0	1917.0	4.	38.9	26.9	.39	48.888	7.8	373.8	.737
.7600	1.0000	.0	1941.6	4.	39.4	28.0	.39	48.888	7.8	373.8	.747
.7700	1.0000	.0	1966.3	4.	39.9	29.0	.39	48.888	7.8	373.9	.756
.7800	1.0000	.0	1990.9	4.	40.4	30.0	.39	48.929	7.8	374.8	.765
.7900	1.0000	.0	2015.5	4.	40.9	31.2	.39	48.929	7.8	374.8	.775
.8000	1.0000	.0	2040.1	4.	41.4	32.4	.39	48.929	7.8	374.9	.785
.8100	1.0000	.0	2064.7	4.	41.9	33.7	.40	48.929	7.8	374.9	.794
.8200	1.0000	.0	2089.3	4.	42.4	35.2	.40	48.888	7.8	373.8	.804
.8300	1.0000	.0	2113.9	4.	42.9	36.6	.40	48.846	7.8	372.7	.814
.8400	1.0000	.0	2138.6	4.	43.4	38.3	.40	48.846	7.8	372.8	.823
.8500	1.0000	.0	2163.2	4.	43.9	40.2	.41	48.846	7.8	372.8	.833
.8600	1.0000	.0	2187.8	4.	44.4	42.3	.41	48.846	7.8	372.8	.843
.8700	1.0000	.0	2212.4	4.	44.9	44.6	.42	48.846	7.8	372.9	.852
.8800	1.0000	.0	2237.0	4.	45.4	47.3	.43	49.013	7.8	376.9	.862
.8900	1.0000	.0	2261.6	4.	45.9	50.2	.44	49.013	7.8	376.9	.871
.9000	1.0000	.0	2286.3	4.	46.4	53.4	.44	49.013	7.8	376.9	.881
.9100	1.0000	.0	2310.9	4.	46.9	57.1	.45	49.013	7.8	376.9	.891
.9200	1.0000	.0	2335.5	4.	47.4	61.4	.46	49.013	7.8	376.9	.900
.9300	1.0000	.0	2360.1	4.	47.9	66.3	.48	48.846	7.8	372.9	.910
.9400	1.0000	.0	2384.7	4.	48.4	71.9	.49	48.846	7.8	372.9	.920
.9500	1.0000	.0	2409.3	4.	48.9	78.6	.50	48.846	7.8	372.9	.929
.9600	1.0000	.0	2434.0	3.	49.4	87.1	.53	48.971	7.8	376.1	.939
.9700	1.0000	.0	2458.6	3.	49.9	97.3	.55	48.971	7.8	376.1	.948
.9800	1.0000	.0	2483.2	3.	50.4	110.2	.58	48.971	7.8	376.1	.958
.9900	1.0000	.0	2507.8	3.	50.9	126.1	.61	48.971	7.8	376.1	.968
1.0000	1.0000	.0	2532.4	3.	51.4	150.1	.66	48.971	7.8	376.1	.977
					51.9	193.3	.72	49.013	7.8	376.1	

TABLE 2. SATURATED CRITICAL FLOW PROPERTIES

(TO 300 K (PSAT 3.5 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	996.6	112.5	713.	.1	2.0	13.44	34.468	2.0	68.2	.001
.0100	.9975	2.5	136.9	271.	1.0	5.4	5.70	35.739	5.4	191.2	.015
.0200	.9987	1.3	141.3	178.	1.7	6.6	4.01	36.564	6.5	236.6	.026
.0300	.9992	.9	144.6	135.	2.3	7.4	3.18	37.126	7.1	263.5	.037
.0400	.9994	.5	146.0	109.	2.9	7.9	2.67	37.539	7.5	282.0	.048
.0500	.9995	.5	234.4	92.	3.6	8.3	2.32	37.471	7.8	296.1	.059
.0600	.9996	.4	258.8	80.	4.2	8.6	2.05	38.113	8.0	306.2	.069
.0700	.9997	.4	283.2	70.	4.8	8.9	1.85	38.348	8.2	315.5	.079
.0800	.9997	.3	307.6	63.	5.4	9.2	1.69	38.517	8.4	322.2	.089
.0900	.9997	.3	331.9	57.	6.0	9.4	1.55	38.632	8.5	327.0	.099
.1000	.9998	.3	356.3	52.	6.7	9.6	1.44	38.799	8.6	333.2	.109
.1100	.9998	.2	380.7	48.	7.3	9.8	1.34	38.924	8.7	337.8	.119
.1200	.9998	.2	405.1	44.	7.9	10.0	1.26	38.999	8.7	340.9	.129
.1300	.9998	.2	429.5	41.	8.6	10.3	1.19	39.104	8.8	344.7	.138
.1400	.9998	.2	453.8	38.	9.2	10.4	1.13	39.196	8.9	348.0	.148
.1500	.9999	.2	478.2	36.	9.9	10.5	1.07	39.257	8.9	350.1	.158
.1600	.9999	.2	502.6	34.	10.5	10.7	1.02	39.304	9.0	352.2	.168
.1700	.9999	.1	527.0	33.	11.2	10.9	.97	39.381	9.0	354.9	.177
.1800	.9999	.1	551.4	31.	11.9	11.1	.93	39.444	9.1	357.1	.187
.1900	.9999	.1	575.7	30.	12.6	11.4	.89	39.460	9.1	357.9	.197
.2000	.9999	.1	600.1	28.	13.3	11.4	.86	39.507	9.1	359.6	.207
.2100	.9999	.1	624.5	27.	14.0	11.6	.83	39.555	9.1	361.3	.216
.2200	.9999	.1	648.9	26.	14.7	11.7	.80	39.567	9.2	362.3	.226
.2300	.9999	.1	673.3	25.	15.4	11.9	.78	39.667	9.2	365.0	.236
.2400	.9999	.1	697.7	24.	16.1	12.1	.75	39.699	9.2	366.5	.245
.2500	.9999	.1	722.0	23.	16.9	12.3	.73	39.731	9.2	367.3	.255
.2600	.9999	.1	746.4	22.	17.6	12.5	.71	39.764	9.3	368.4	.265
.2700	.9999	.1	770.8	22.	18.4	12.6	.69	39.731	9.3	367.7	.274
.2800	.9999	.1	795.2	21.	19.2	12.8	.67	39.780	9.3	369.3	.284
.2900	.9999	.1	819.6	20.	19.9	13.0	.65	39.796	9.3	369.9	.294
.3000	.9999	.1	843.9	19.	20.7	13.2	.64	39.862	9.3	371.9	.303
.3100	.9999	.1	868.3	19.	21.6	13.4	.62	39.845	9.3	371.6	.313
.3200	.9999	.1	892.7	18.	22.4	13.6	.61	39.862	9.3	372.2	.323
.3300	.9999	.1	917.1	18.	23.2	13.8	.59	39.862	9.3	372.4	.332
.3400	1.0000	.1	941.5	17.	24.1	14.1	.58	39.911	9.4	373.9	.342
.3500	1.0000	.1	965.8	17.	24.9	14.3	.57	39.961	9.4	375.4	.352
.3600	1.0000	.1	990.2	16.	25.8	14.5	.56	39.944	9.4	375.0	.361
.3700	1.0000	.1	1014.6	16.	26.7	14.7	.55	39.994	9.4	376.6	.371
.3800	1.0000	.1	1039.0	15.	27.5	15.0	.54	39.977	9.4	376.2	.380
.3900	1.0000	.1	1063.4	15.	28.5	15.2	.53	40.027	9.4	377.9	.390
.4000	1.0000	.1	1087.8	14.	29.5	15.4	.52	39.994	9.4	376.8	.400
.4100	1.0000	.1	1112.1	14.	30.5	15.7	.51	39.994	9.4	376.9	.409
.4200	1.0000	.1	1136.5	14.	31.4	16.0	.51	40.061	9.5	378.9	.419
.4300	1.0000	.1	1160.9	14.	32.4	16.2	.50	40.044	9.5	378.5	.429
.4400	1.0000	.1	1185.3	13.	33.4	16.5	.49	40.094	9.5	380.0	.438
.4500	1.0000	.1	1209.7	13.	34.5	16.8	.49	40.061	9.5	379.1	.448
.4600	1.0000	.1	1234.0	13.	35.6	17.1	.48	40.078	9.5	379.7	.458
.4700	1.0000	.1	1258.4	13.	36.7	17.4	.47	40.061	9.5	379.1	.467
.4800	1.0000	.1	1282.8	12.	37.7	17.8	.47	40.128	9.5	381.2	.477
.4900	1.0000	.1	1307.2	12.	38.9	18.1	.46	40.111	9.5	380.4	.486
.5000	1.0000	.1	1331.6	12.	40.0	18.4	.46	40.162	9.5	382.1	.496
.5100	1.0000	.1	1356.0	12.	41.2	18.8	.46	40.162	9.5	382.4	.506
.5200	1.0000	.0	1380.3	11.	42.4	19.1	.45	40.128	9.5	381.5	.515
.5300	1.0000	.0	1404.7	11.	43.6	19.5	.45	40.196	9.5	383.4	.525
.5400	1.0000	.0	1429.1	11.	44.0	19.9	.44	40.128	9.5	381.6	.535
.5500	1.0000	.0	1453.5	11.	46.3	20.3	.44	40.129	9.5	381.6	.544
.5600	1.0000	.0	1477.9	11.	47.6	20.7	.44	40.162	9.5	382.6	.554
.5700	1.0000	.0	1502.2	10.	48.9	21.1	.43	40.230	9.6	384.6	.563
.5800	1.0000	.0	1526.6	10.	50.2	21.6	.43	40.264	9.6	385.9	.573
.5900	1.0000	.0	1551.0	10.	51.7	22.1	.43	40.230	9.6	384.7	.583
.6000	1.0000	.0	1575.4	10.	53.2	22.6	.43	40.230	9.6	384.7	.592
.6100	1.0000	.0	1599.8	10.	54.8	23.1	.42	40.196	9.5	383.8	.602
.6200	1.0000	.0	1624.1	10.	56.3	23.7	.42	40.264	9.6	385.7	.611
.6300	1.0000	.0	1648.5	9.	57.9	24.3	.42	40.264	9.6	385.8	.621
.6400	1.0000	.0	1672.9	9.	59.6	24.8	.42	40.196	9.6	383.9	.631
.6500	1.0000	.0	1697.3	9.	61.3	25.4	.41	40.196	9.6	384.0	.640
.6600	1.0000	.0	1721.7	9.	63.1	26.1	.41	40.196	9.6	384.0	.650
.6700	1.0000	.0	1746.1	9.	64.8	26.8	.41	40.298	9.6	386.6	.659
.6800	1.0000	.0	1770.4	9.	66.7	27.6	.41	40.298	9.6	386.9	.669
.6900	1.0000	.0	1794.8	9.	68.6	28.4	.41	40.298	9.6	386.9	.679
.7000	1.0000	.0	1819.2	9.	70.9	29.0	.41	40.128	9.5	382.2	.689
.7100	1.0000	.0	1843.6	9.	72.8	30.1	.41	40.298	9.6	387.0	.698
.7200	1.0000	.0	1868.0	8.	74.9	31.0	.41	40.298	9.6	387.0	.707
.7300	1.0000	.0	1892.3	8.	77.2	31.9	.41	40.298	9.6	387.1	.717
.7400	1.0000	.0	1916.7	8.	79.5	33.0	.42	40.333	9.6	388.0	.727
.7500	1.0000	.0	1941.1	8.	82.0	34.1	.42	40.333	9.6	388.1	.736
.7600	1.0000	.0	1965.5	8.	84.5	35.3	.42	40.333	9.6	388.1	.746
.7700	1.0000	.0	1989.9	8.	87.2	36.6	.42	40.333	9.6	388.1	.756
.7800	1.0000	.0	2014.3	8.	90.1	37.8	.42	40.264	9.6	386.3	.765
.7900	1.0000	.0	2038.6	8.	93.1	39.3	.42	40.264	9.6	386.3	.775
.8000	1.0000	.0	2063.0	8.	96.2	40.8	.42	40.264	9.6	386.3	.785
.8100	1.0000	.0	2087.4	7.	99.5	42.5	.43	40.264	9.6	386.3	.794
.8200	1.0000	.0	2111.8	7.	102.9	44.2	.43	40.367	9.6	389.2	.804
.8300	1.0000	.0	2136.2	7.	106.4	46.0	.44	40.367	9.6	389.2	.813
.8400	1.0000	.0	2160.5	7.	110.2	48.0	.44	40.402	9.7	390.5	.823
.8500	1.0000	.0	2184.9	7.	114.3	51.3	.45	40.402	9.7	390.7	.832
.8600	1.0000	.0	2209.3	7.	118.7	54.0	.45	40.402	9.7	390.3	.842
.8700	1.0000	.0	2233.7	7.	123.6	56.9	.46	40.367	9.6	389.3	.852
.8800	1.0000	.0	2258.1	7.	128.7	60.2	.47	40.367	9.6	389.3	.861
.8900	1.0000	.0	2282.4	7.	134.3	64.0	.48	40.367	9.6	389.4	.871
.9000	1.0000	.0	2306.8	7.	140.3	68.2	.49	40.367	9.6	389.4	.880
.9100	1.0000	.0	2331.2	7.	146.9	73.1	.50	40.367	9.6	389.4	.890
.9200	1.0000	.0	2355.6	7.	154.1	78.7	.51	40.402	9.7	390.4	.900
.9300	1.0000	.0	2380.0	6.	162.1	85.3	.53	40.402	9.7	390.4	.909
.9400	1.0000	.0	2404.4	6.	171.3	93.0	.54	40.402	9.7	390.4	.919
.9500	1.0000	.0	2428.7	6.	181.7	102.2	.56	40.402	9.7	390.4	.929
.9600	1.0000	.0	2453.1	6.	193.6	113.4	.59	40.402	9.7	390.5	.938
.9700	1.0000	.0	2477.5	6.	207.5	127.4	.61	40.402	9.7	390.5	.948
.9800	1.0000	.0	2501.9	6.	224.7	145.3	.65	40.333	9.6	388.6	.957
.9900	1.0000	.0	2526.3	6.	245.2	169.3	.69	40.333	9.6	388.5	.967
1.0000	1.0000	.0	2550.6	6.	271.2	202.7	.75	40.333	9.6	388.5	.977

TABLE 3. SATURATED CRITICAL FLOW PROPERTIES

(TO 310 K (PSAT 6.2 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	993.4	154.3	989.	.2	2.7	11.34	28.936	2.7	77.8	.002
.0100	.9957	4.3	178.4	443.	1.2	6.5	5.58	29.868	6.4	189.9	.015
.0200	.9979	2.1	192.6	296.	2.0	7.9	3.99	30.247	7.7	235.5	.027
.0300	.9986	1.4	200.7	226.	2.8	8.8	3.20	30.491	8.5	263.0	.038
.0400	.9989	1.1	205.9	184.	3.5	9.4	2.70	31.315	9.0	282.1	.049
.0500	.9992	.9	209.0	156.	4.2	10.0	2.35	31.588	9.4	296.4	.059
.0600	.9993	.7	209.2	135.	5.0	10.4	2.09	31.805	9.7	307.5	.069
.0700	.9994	.6	323.3	120.	5.7	10.7	1.89	31.988	9.9	316.6	.080
.0800	.9995	.5	347.4	107.	6.4	11.0	1.73	32.140	10.2	324.0	.090
.0900	.9996	.5	371.6	97.	7.1	11.3	1.59	32.271	10.2	330.3	.100
.1000	.9996	.4	395.7	89.	7.8	11.6	1.48	32.368	10.4	335.0	.110
.1100	.9996	.4	419.9	82.	8.6	11.8	1.38	32.466	10.5	339.6	.119
.1200	.9997	.4	444.0	76.	9.3	12.1	1.30	32.553	10.6	343.8	.129
.1300	.9997	.3	468.2	71.	10.0	12.3	1.23	32.647	10.7	347.8	.139
.1400	.9997	.3	492.3	67.	10.8	12.6	1.16	32.710	10.7	351.0	.149
.1500	.9998	.3	516.5	63.	11.5	12.8	1.11	32.780	10.8	353.8	.159
.1600	.9998	.3	540.6	59.	12.3	13.0	1.06	32.844	10.9	356.7	.168
.1700	.9998	.3	564.7	56.	13.1	13.2	1.01	32.896	10.9	359.0	.178
.1800	.9998	.2	588.8	53.	13.8	13.4	.97	32.935	11.0	360.8	.188
.1900	.9998	.2	613.0	51.	14.6	13.6	.93	32.962	11.0	362.1	.198
.2000	.9998	.2	637.2	48.	15.4	13.8	.90	33.027	11.0	364.8	.207
.2100	.9998	.2	661.3	46.	16.2	14.0	.86	33.041	11.1	365.6	.217
.2200	.9998	.2	685.5	44.	17.0	14.2	.84	33.094	11.1	367.8	.227
.2300	.9999	.2	709.6	43.	17.9	14.4	.81	33.134	11.2	369.5	.236
.2400	.9999	.2	733.9	41.	18.7	14.9	.79	33.161	11.2	370.7	.246
.2500	.9999	.2	757.9	40.	19.5	14.9	.76	33.161	11.2	370.9	.256
.2600	.9999	.2	782.0	38.	20.4	15.1	.74	33.215	11.2	373.0	.265
.2700	.9999	.2	806.2	37.	21.3	15.4	.72	33.242	11.3	374.0	.275
.2800	.9999	.2	830.3	36.	22.1	15.6	.70	33.286	11.3	374.8	.285
.2900	.9999	.2	854.5	34.	23.0	15.8	.68	33.256	11.3	375.0	.294
.3000	.9999	.1	878.6	33.	24.0	16.0	.67	33.283	11.3	376.1	.304
.3100	.9999	.1	902.8	32.	24.9	16.3	.65	33.296	11.3	376.8	.314
.3200	.9999	.1	926.9	31.	25.8	16.5	.64	33.310	11.3	377.4	.323
.3300	.9999	.1	951.0	30.	26.8	16.8	.63	33.338	11.4	378.3	.333
.3400	.9999	.1	975.2	29.	27.7	17.0	.62	33.379	11.4	380.1	.342
.3500	.9999	.1	999.3	29.	28.7	17.3	.60	33.369	11.4	379.7	.352
.3600	.9999	.1	1023.5	28.	29.7	17.6	.59	33.379	11.4	380.3	.362
.3700	.9999	.1	1047.6	27.	30.7	17.8	.58	33.379	11.4	380.4	.371
.3800	.9999	.1	1071.8	27.	31.7	18.1	.57	33.407	11.4	381.5	.381
.3900	.9999	.1	1095.9	26.	32.8	18.4	.56	33.421	11.4	382.1	.391
.4000	.9999	.1	1120.1	25.	33.9	18.7	.55	33.434	11.4	382.7	.400
.4100	.9999	.1	1144.2	25.	34.9	19.0	.54	33.448	11.5	383.2	.410
.4200	.9999	.1	1168.3	24.	36.0	19.4	.54	33.490	11.5	384.8	.419
.4300	.9999	.1	1192.5	24.	37.1	19.7	.53	33.476	11.5	384.4	.429
.4400	.9999	.1	1216.6	23.	38.3	20.0	.52	33.476	11.5	384.5	.439
.4500	.9999	.1	1240.8	23.	39.5	20.3	.52	33.490	11.5	385.0	.448
.4600	.9999	.1	1254.9	22.	40.7	20.7	.51	33.504	11.5	385.6	.458
.4700	1.0000	.1	1289.1	22.	41.8	21.1	.50	33.547	11.5	387.2	.467
.4800	1.0000	.1	1313.2	21.	43.1	21.5	.50	33.519	11.5	386.2	.477
.4900	1.0000	.1	1337.4	21.	44.4	21.9	.49	33.532	11.5	386.8	.487
.5000	1.0000	.1	1361.5	21.	45.6	22.3	.49	33.575	11.6	388.3	.496
.5100	1.0000	.1	1385.6	20.	47.0	22.7	.48	33.575	11.6	388.3	.506
.5200	1.0000	.1	1409.8	20.	48.3	23.1	.48	33.547	11.5	387.4	.515
.5300	1.0000	.1	1433.9	19.	49.7	23.6	.47	33.561	11.6	388.0	.525
.5400	1.0000	.1	1458.1	19.	51.1	24.1	.47	33.603	11.6	389.5	.535
.5500	1.0000	.1	1482.2	19.	52.5	24.6	.47	33.603	11.6	389.5	.544
.5600	1.0000	.1	1506.4	18.	54.1	25.0	.46	33.575	11.6	388.6	.554
.5700	1.0000	.1	1530.5	18.	55.7	25.5	.46	33.660	11.6	391.6	.563
.5800	1.0000	.1	1554.7	18.	57.3	26.2	.46	33.632	11.6	390.7	.573
.5900	1.0000	.1	1578.8	17.	58.9	26.7	.46	33.632	11.6	390.7	.583
.6000	1.0000	.1	1602.9	17.	60.3	27.3	.45	33.603	11.6	389.5	.592
.6100	1.0000	.1	1627.1	17.	62.0	27.9	.45	33.617	11.6	390.3	.602
.6200	1.0000	.1	1651.2	16.	63.8	28.5	.45	33.603	11.6	389.9	.611
.6300	1.0000	.1	1675.4	16.	65.5	29.2	.45	33.603	11.6	389.9	.621
.6400	1.0000	.1	1699.5	16.	67.3	30.0	.45	33.660	11.6	391.9	.631
.6500	1.0000	.1	1723.7	16.	69.2	30.7	.44	33.632	11.6	391.0	.640
.6600	1.0000	.1	1747.8	16.	71.1	31.5	.44	33.646	11.6	391.5	.650
.6700	1.0000	.1	1772.0	15.	73.2	32.3	.44	33.660	11.6	391.6	.660
.6800	1.0000	.1	1796.1	15.	75.4	33.2	.44	33.689	11.7	393.0	.669
.6900	1.0000	.1	1820.2	15.	77.5	34.2	.44	33.689	11.7	393.1	.679
.7000	1.0000	.1	1844.4	15.	79.5	35.1	.44	33.689	11.7	393.1	.688
.7100	1.0000	.1	1868.5	15.	81.9	36.1	.44	33.660	11.7	392.2	.698
.7200	1.0000	.1	1892.7	14.	84.3	37.1	.44	33.675	11.7	392.7	.707
.7300	1.0000	.1	1916.8	14.	86.7	38.2	.44	33.675	11.7	392.7	.717
.7400	1.0000	.1	1941.0	14.	89.3	39.3	.44	33.660	11.7	392.3	.727
.7500	1.0000	.1	1965.1	14.	92.0	40.5	.44	33.660	11.7	392.1	.736
.7600	1.0000	.1	1989.2	14.	94.6	41.7	.44	33.719	11.7	394.3	.746
.7700	1.0000	.1	2013.4	14.	97.4	42.9	.44	33.719	11.7	394.1	.755
.7800	1.0000	.1	2037.5	13.	100.3	44.3	.44	33.689	11.7	393.4	.765
.7900	1.0000	.1	2061.7	13.	103.3	45.7	.44	33.689	11.7	393.4	.775
.8000	1.0000	.1	2085.8	13.	107.0	47.0	.44	33.776	11.7	396.3	.784
.8100	1.0000	.1	2110.0	13.	110.5	48.5	.44	33.775	11.7	396.4	.793
.8200	1.0000	.1	2134.1	12.	114.1	50.1	.44	33.747	11.7	395.4	.803
.8300	1.0000	.1	2158.3	12.	118.3	51.8	.44	33.747	11.7	395.4	.813
.8400	1.0000	.1	2182.4	12.	122.4	53.6	.44	33.747	11.7	395.5	.822
.8500	1.0000	.1	2206.5	12.	126.9	55.8	.44	33.747	11.7	396.5	.833
.8600	1.0000	.1	2230.7	12.	131.7	58.0	.44	33.719	11.7	394.6	.843
.8700	1.0000	.1	2254.8	12.	136.8	60.4	.44	33.718	11.7	394.6	.853
.8800	1.0000	.0	2279.0	12.	142.2	62.9	.44	33.732	11.7	395.1	.863
.8900	1.0000	.0	2303.1	12.	147.9	65.5	.44	33.776	11.7	396.5	.870
.9000	1.0000	.0	2327.3	12.	154.3	68.3	.44	33.776	11.7	396.6	.880
.9100	1.0000	.0	2351.4	12.	161.6	71.4	.44	33.718	11.7	394.7	.890
.9200	1.0000	.0	2375.6	11.	169.3	74.8	.44	33.718	11.7	394.7	.899
.9300	1.0000	.0	2399.7	11.	177.8	78.5	.44	33.718	11.7	394.7	.909
.9400	1.0000	.0	2423.8	11.	187.2	82.7	.44	33.719	11.7	394.7	.919
.9500	1.0000	.0	2448.0	11.	197.5	87.2	.44	33.776	11.7	396.7	.928
.9600	1.0000	.0	2472.1	11.	209.9	92.7	.44	33.747	11.7	395.7	.938
.9700	1.0000	.0	2496.3	11.	224.0	98.8	.44	33.747	11.7	395.8	.947
.9800	1.0000	.0	2520.4	11.	240.3	106.1	.44	33.747	11.7	396.4	.957
.9900	1.0000	.0	2544.6	11.	260.0	114.8	.44	33.805	11.8	397.7	.966
1.0000	1.0000	.0	2568.7	11.	284.7	125.7	.44	33.805	11.8	397.8	.976

TABLE 3.6 SATURATED CRITICAL FLOW PROPERTIES

(TO 320 K (PSAT 10.5 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHF M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	989.4	196.1	1334.	.4	3.6	9.69	24.615	3.6	87.6	.003
.0100	.9929	7.1	220.0	659.	1.4	7.6	5.42	25.258	7.5	188.8	.015
.0200	.9965	3.6	243.9	471.	2.4	9.3	3.96	25.795	9.1	234.4	.027
.0300	.9977	2.4	267.8	364.	3.3	10.4	3.20	26.177	10.0	262.5	.038
.0400	.9983	1.8	291.7	298.	4.1	11.2	2.72	26.459	10.6	281.8	.049
.0500	.9986	1.4	315.6	253.	5.0	11.8	2.38	26.686	11.1	296.5	.060
.0600	.9989	1.2	339.5	221.	5.8	12.3	2.13	26.875	11.5	308.2	.070
.0700	.9990	1.0	363.4	196.	6.6	12.7	1.93	27.029	11.7	317.6	.080
.0800	.9992	.9	387.3	176.	7.4	13.1	1.76	27.154	12.0	325.1	.090
.0900	.9993	.8	411.2	160.	8.3	13.5	1.63	27.262	12.2	331.4	.100
.1000	.9993	.7	435.1	144.	9.1	13.8	1.52	27.368	12.5	337.4	.110
.1100	.9994	.7	459.0	135.	9.9	14.1	1.42	27.446	12.5	341.9	.120
.1200	.9995	.6	482.9	126.	10.8	14.4	1.34	27.534	12.6	346.9	.130
.1300	.9995	.6	506.9	117.	11.6	14.7	1.26	27.592	12.7	350.1	.140
.1400	.9996	.5	530.8	110.	12.5	14.9	1.20	27.634	12.8	352.4	.150
.1500	.9996	.5	554.7	104.	13.3	15.2	1.14	27.715	12.9	356.8	.160
.1600	.9996	.4	578.6	98.	14.2	15.5	1.09	27.770	13.0	359.7	.169
.1700	.9996	.4	602.5	93.	15.0	15.7	1.05	27.813	13.0	362.1	.179
.1800	.9997	.4	626.4	88.	15.9	16.0	1.00	27.857	13.1	364.5	.189
.1900	.9997	.4	650.3	84.	16.8	16.3	.97	27.906	13.1	366.6	.198
.2000	.9997	.4	674.2	80.	17.7	16.5	.93	27.919	13.2	367.9	.208
.2100	.9997	.3	698.1	77.	18.6	16.7	.90	27.952	13.2	369.7	.218
.2200	.9997	.3	722.0	74.	19.5	17.0	.87	27.996	13.3	371.9	.227
.2300	.9998	.3	745.9	71.	20.5	17.3	.84	28.030	13.3	373.6	.237
.2400	.9998	.3	769.8	68.	21.4	17.5	.82	28.047	13.4	374.6	.247
.2500	.9998	.3	793.7	66.	22.4	17.8	.80	28.076	13.4	376.1	.256
.2600	.9998	.3	817.6	63.	23.3	18.1	.77	28.098	13.4	377.3	.266
.2700	.9998	.3	841.5	61.	24.3	18.3	.75	28.121	13.5	378.5	.276
.2800	.9998	.3	865.4	59.	25.3	18.6	.73	28.139	13.5	379.4	.285
.2900	.9998	.2	889.3	57.	26.3	18.9	.72	28.167	13.5	380.8	.295
.3000	.9998	.2	913.2	55.	27.3	19.2	.70	28.167	13.5	381.0	.304
.3100	.9998	.2	937.1	54.	28.4	19.4	.68	28.167	13.5	381.2	.314
.3200	.9998	.2	961.0	52.	29.4	19.7	.67	28.202	13.6	382.8	.324
.3300	.9999	.2	985.0	51.	30.5	20.1	.66	28.237	13.6	384.4	.333
.3400	.9999	.2	1008.9	49.	31.6	20.3	.64	28.214	13.6	383.6	.343
.3500	.9999	.2	1032.8	48.	32.7	20.7	.63	28.260	13.6	385.7	.353
.3600	.9999	.2	1056.7	47.	33.8	21.0	.62	28.260	13.7	385.8	.362
.3700	.9999	.2	1080.6	46.	34.9	21.3	.61	28.272	13.7	386.5	.372
.3800	.9999	.2	1104.5	44.	36.0	21.7	.60	28.307	13.7	388.0	.382
.3900	.9999	.2	1128.4	43.	37.2	22.0	.59	28.296	13.7	387.7	.391
.4000	.9999	.2	1152.3	42.	38.4	22.4	.58	28.331	13.7	389.2	.401
.4100	.9999	.2	1176.2	41.	39.6	22.7	.57	28.319	13.7	388.9	.410
.4200	.9999	.2	1200.1	40.	40.8	23.1	.57	28.331	13.7	389.5	.420
.4300	.9999	.2	1224.0	40.	42.1	23.5	.56	28.355	13.8	390.5	.429
.4400	.9999	.2	1247.9	39.	43.4	23.9	.55	28.343	13.8	390.1	.439
.4500	.9999	.2	1271.8	38.	44.6	24.3	.55	28.378	13.8	391.7	.449
.4600	.9999	.2	1295.7	37.	46.0	24.7	.54	28.367	13.8	391.3	.458
.4700	.9999	.2	1319.6	36.	47.3	25.2	.53	28.390	13.8	392.4	.468
.4800	.9999	.1	1343.5	36.	48.7	25.6	.53	28.378	13.8	392.0	.477
.4900	.9999	.1	1367.4	35.	50.1	26.1	.52	28.390	13.8	392.5	.487
.5000	.9999	.1	1391.3	34.	51.5	26.5	.52	28.390	13.8	392.6	.497
.5100	.9999	.1	1415.2	34.	53.0	27.1	.51	28.402	13.8	393.2	.506
.5200	.9999	.1	1439.1	33.	54.5	27.6	.51	28.414	13.9	393.7	.516
.5300	.9999	.1	1463.1	32.	56.0	28.1	.50	28.402	13.8	393.3	.525
.5400	.9999	.1	1487.0	32.	57.5	28.6	.50	28.440	13.9	395.3	.535
.5500	.9999	.1	1510.9	31.	59.1	29.2	.49	28.426	13.9	394.4	.544
.5600	.9999	.1	1534.8	31.	60.7	29.8	.49	28.438	13.9	395.0	.554
.5700	.9999	.1	1558.7	30.	62.4	30.4	.49	28.438	13.9	395.0	.564
.5800	.9999	.1	1582.7	30.	64.1	31.0	.49	28.474	13.9	396.4	.573
.5900	.9999	.1	1606.6	29.	65.9	31.8	.48	28.450	13.9	395.6	.583
.6000	1.0000	.1	1630.4	29.	67.6	32.5	.48	28.462	13.9	396.2	.592
.6100	1.0000	.1	1654.3	28.	69.5	33.2	.48	28.450	13.9	395.7	.602
.6200	1.0000	.1	1678.2	28.	71.3	34.0	.48	28.499	14.0	397.7	.611
.6300	1.0000	.1	1702.1	27.	73.3	34.8	.47	28.474	13.9	396.8	.621
.6400	1.0000	.1	1726.0	27.	75.3	35.6	.47	28.474	13.9	396.9	.631
.6500	1.0000	.1	1749.9	27.	77.3	36.5	.47	28.486	14.0	397.4	.640
.6600	1.0000	.1	1773.8	26.	79.5	37.4	.47	28.486	14.0	397.4	.650
.6700	1.0000	.1	1797.7	26.	81.6	38.4	.47	28.523	14.0	399.0	.659
.6800	1.0000	.1	1821.6	26.	83.8	39.5	.47	28.523	14.0	399.0	.669
.6900	1.0000	.1	1845.5	25.	86.2	40.5	.47	28.499	14.0	398.1	.679
.7000	1.0000	.1	1869.4	25.	88.6	41.6	.47	28.511	14.0	398.6	.688
.7100	1.0000	.1	1893.3	24.	91.1	42.7	.47	28.499	14.0	398.1	.698
.7200	1.0000	.1	1917.2	24.	93.6	44.1	.47	28.547	14.0	400.2	.707
.7300	1.0000	.1	1941.1	24.	96.3	45.2	.47	28.547	14.0	400.2	.717
.7400	1.0000	.1	1965.1	24.	99.0	46.9	.47	28.547	14.0	400.2	.726
.7500	1.0000	.1	1989.0	23.	102.0	48.3	.47	28.523	14.0	399.3	.736
.7600	1.0000	.1	2012.9	23.	105.0	49.9	.48	28.535	14.0	399.8	.745
.7700	1.0000	.1	2036.8	22.	107.9	51.8	.48	28.596	14.1	402.3	.755
.7800	1.0000	.1	2060.7	22.	111.4	53.5	.48	28.535	14.0	399.9	.765
.7900	1.0000	.1	2084.6	22.	114.7	55.5	.48	28.572	14.0	401.4	.774
.8000	1.0000	.1	2108.5	22.	118.3	57.6	.49	28.572	14.0	401.4	.784
.8100	1.0000	.1	2132.4	22.	122.1	59.9	.49	28.572	14.1	401.4	.793
.8200	1.0000	.1	2156.3	21.	126.2	62.3	.49	28.547	14.0	400.5	.803
.8300	1.0000	.1	2180.2	21.	130.4	64.9	.50	28.547	14.0	400.5	.813
.8400	1.0000	.1	2204.1	21.	134.8	67.9	.50	28.559	14.0	401.0	.822
.8500	1.0000	.1	2228.0	21.	139.5	71.1	.51	28.559	14.0	401.1	.832
.8600	1.0000	.1	2251.9	20.	144.6	74.5	.52	28.547	14.0	400.6	.841
.8700	1.0000	.1	2275.8	20.	150.0	78.4	.52	28.547	14.0	400.6	.851
.8800	1.0000	.1	2299.7	20.	155.7	82.9	.53	28.596	14.1	402.6	.860
.8900	1.0000	.1	2323.6	20.	161.7	87.6	.54	28.596	14.1	402.6	.870
.9000	1.0000	.1	2347.5	19.	168.5	92.9	.55	28.572	14.1	401.7	.879
.9100	1.0000	.1	2371.4	19.	175.8	98.9	.56	28.572	14.1	401.7	.889
.9200	1.0000	.1	2395.3	19.	183.9	105.8	.58	28.572	14.1	401.7	.899
.9300	1.0000	.1	2419.2	19.	192.4	113.8	.59	28.584	14.1	402.3	.908
.9400	1.0000	.1	2443.2	19.	205.2	121.0	.59	28.214	13.7	387.0	.919
.9500	1.0000	.1	2467.1	18.	213.1	133.7	.63	28.584	14.1	402.3	.927
.9600	1.0000	.1	2491.0	18.	225.0	146.8	.65	28.621	14.1	403.8	.937
.9700	1.0000	.1	2514.9	18.	239.1	162.4	.68	28.621	14.1	403.8	.946
.9800	1.0000	.1	2538.8	18.	255.5	181.7	.71	28.621	14.1	403.8	.956
.9900	1.0000	.1	2562.7	18.	274.9	204.3	.75	28.621	14.1	403.9	.965
1.0000	1.0000	.1	2586.6	19.	298.5	238.5	.80	28.621	14.1	403.9	.975

TABLE 3 - SATURATED CRITICAL FLOW PROPERTIES

(TO 330 K (PSAT 17.2 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	KAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	984.8	237.9	1755.	.6	4.6	8.38	21.186	4.6	97.4	.004
.0100	.9887	11.2	251.6	1026.	1.7	8.8	5.23	21.631	8.7	186.2	.016
.0200	.9944	5.6	264.2	720.	2.8	10.9	3.91	22.067	10.9	233.5	.024
.0300	.9963	3.8	308.9	563.	3.8	12.1	3.19	22.382	11.9	261.4	.030
.0400	.9972	2.8	332.6	444.	4.8	13.1	2.73	22.623	12.4	281.6	.050
.0500	.9978	2.3	356.2	396.	5.7	13.8	2.40	22.813	13.0	296.5	.060
.0600	.9982	1.9	379.9	347.	6.7	14.4	2.15	22.969	13.4	308.4	.071
.0700	.9985	1.6	403.6	309.	7.6	14.9	1.96	23.106	13.8	318.3	.081
.0800	.9987	1.4	427.2	278.	8.6	15.4	1.80	23.218	14.1	326.4	.091
.0900	.9988	1.3	450.9	253.	9.5	15.8	1.67	23.316	14.3	333.3	.101
.1000	.9990	1.1	474.5	232.	10.4	16.2	1.55	23.396	14.5	338.9	.111
.1100	.9991	1.0	498.2	215.	11.4	16.6	1.46	23.469	14.7	343.9	.121
.1200	.9993	.9	521.9	199.	12.3	16.9	1.37	23.544	14.8	348.9	.131
.1300	.9992	.9	544.5	186.	13.3	17.3	1.30	23.602	14.9	352.8	.141
.1400	.9993	.8	568.2	175.	14.2	17.6	1.24	23.657	15.1	356.4	.151
.1500	.9993	.8	592.9	165.	15.2	17.9	1.18	23.707	15.2	359.7	.160
.1600	.9994	.7	616.5	156.	16.2	18.2	1.13	23.744	15.3	362.3	.170
.1700	.9994	.7	640.2	148.	17.2	18.5	1.08	23.791	15.4	365.2	.180
.1800	.9995	.6	663.8	141.	18.1	18.9	1.04	23.828	15.4	367.6	.190
.1900	.9995	.6	687.5	134.	19.1	19.2	1.00	23.871	15.5	370.3	.199
.2000	.9995	.6	711.2	128.	20.2	19.5	.97	23.890	15.6	371.7	.209
.2100	.9996	.5	734.8	123.	21.2	19.8	.93	23.928	15.6	374.0	.219
.2200	.9996	.5	758.5	118.	22.3	20.1	.90	23.956	15.7	375.8	.229
.2300	.9996	.5	782.2	113.	23.3	20.4	.88	23.985	15.7	377.6	.238
.2400	.9996	.5	805.8	109.	24.3	20.7	.85	24.008	15.8	378.9	.248
.2500	.9997	.5	829.5	105.	25.4	21.0	.83	24.014	15.8	379.6	.257
.2600	.9997	.4	853.1	101.	26.4	21.3	.81	24.044	15.9	381.6	.267
.2700	.9997	.4	876.8	98.	27.5	21.6	.79	24.068	15.9	382.8	.276
.2800	.9997	.4	900.4	95.	28.6	21.9	.77	24.088	15.9	384.1	.286
.2900	.9997	.4	924.1	92.	29.8	22.3	.75	24.093	16.0	384.5	.296
.3000	.9997	.4	947.8	89.	30.9	22.6	.73	24.122	16.0	386.2	.305
.3100	.9997	.4	971.5	86.	32.0	23.0	.72	24.137	16.0	387.1	.315
.3200	.9998	.4	995.1	84.	33.2	23.3	.70	24.143	16.1	387.6	.325
.3300	.9998	.3	1018.8	81.	34.4	23.7	.69	24.167	16.1	389.0	.334
.3400	.9998	.3	1042.5	79.	35.6	24.0	.68	24.182	16.1	389.9	.344
.3500	.9998	.3	1066.1	77.	36.8	24.4	.66	24.182	16.1	390.0	.353
.3600	.9998	.3	1089.8	75.	38.0	24.8	.65	24.192	16.1	390.7	.363
.3700	.9998	.3	1113.4	73.	39.3	25.2	.64	24.217	16.2	392.4	.372
.3800	.9998	.3	1137.1	72.	40.5	25.6	.63	24.237	16.2	393.6	.382
.3900	.9998	.3	1160.8	70.	41.8	26.0	.62	24.242	16.3	393.9	.392
.4000	.9998	.3	1184.4	68.	43.1	26.4	.61	24.252	16.3	394.2	.401
.4100	.9998	.3	1208.1	66.	44.5	26.8	.60	24.262	16.3	394.8	.411
.4200	.9998	.3	1231.8	65.	45.8	27.3	.60	24.269	16.3	395.2	.420
.4300	.9998	.3	1255.4	64.	47.2	27.7	.59	24.277	16.3	395.8	.430
.4400	.9999	.3	1279.1	62.	48.6	28.3	.58	24.303	16.4	398.1	.440
.4500	.9999	.3	1302.7	61.	50.0	28.7	.57	24.303	16.3	397.2	.449
.4600	.9999	.2	1326.4	60.	51.5	29.2	.57	24.293	16.3	396.8	.459
.4700	.9999	.2	1350.1	58.	52.9	29.7	.56	24.313	16.4	397.9	.468
.4800	.9999	.2	1373.7	57.	54.4	30.2	.56	24.318	16.4	398.3	.478
.4900	.9999	.2	1397.4	56.	56.0	30.7	.55	24.313	16.4	398.1	.487
.5000	.9999	.2	1421.1	55.	57.4	31.3	.54	24.323	16.4	398.7	.497
.5100	.9999	.2	1444.7	54.	59.1	31.9	.54	24.339	16.4	399.5	.506
.5200	.9999	.2	1468.4	53.	60.7	32.5	.53	24.334	16.4	399.3	.516
.5300	.9999	.2	1492.1	52.	62.4	33.1	.53	24.354	16.4	400.4	.526
.5400	.9999	.2	1515.7	51.	64.1	33.8	.53	24.344	16.4	400.0	.535
.5500	.9999	.2	1539.4	50.	65.8	34.4	.52	24.354	16.4	400.5	.545
.5600	.9999	.2	1563.0	49.	67.6	35.1	.52	24.354	16.4	400.6	.554
.5700	.9999	.2	1586.7	49.	69.4	35.9	.52	24.385	16.5	402.2	.564
.5800	.9999	.2	1610.4	48.	71.2	36.6	.51	24.380	16.5	402.0	.573
.5900	.9999	.2	1634.0	47.	73.2	37.4	.51	24.379	16.5	402.0	.583
.6000	.9999	.2	1657.7	46.	75.1	38.2	.51	24.390	16.5	402.6	.592
.6100	.9999	.2	1681.4	46.	77.1	39.1	.51	24.406	16.5	403.4	.602
.6200	.9999	.2	1705.0	45.	79.2	39.9	.50	24.385	16.5	402.5	.611
.6300	.9999	.2	1728.7	44.	81.2	40.9	.50	24.399	16.5	403.0	.621
.6400	.9999	.2	1752.3	44.	83.6	41.8	.50	24.323	16.4	399.6	.631
.6500	.9999	.2	1776.0	43.	85.8	42.9	.50	24.416	16.6	404.1	.640
.6600	.9999	.2	1799.7	42.	87.9	44.0	.50	24.427	16.6	404.7	.650
.6700	.9999	.2	1823.3	42.	90.3	45.0	.50	24.406	16.5	403.7	.659
.6800	.9999	.2	1847.0	41.	92.7	46.2	.50	24.416	16.6	404.3	.669
.6900	.9999	.2	1870.7	40.	95.2	47.4	.50	24.406	16.5	403.8	.678
.7000	1.0000	.2	1894.3	40.	97.7	48.8	.50	24.417	16.6	405.4	.688
.7100	1.0000	.2	1918.0	39.	100.4	50.2	.50	24.427	16.6	405.9	.697
.7200	1.0000	.2	1941.6	39.	103.2	51.5	.50	24.427	16.6	406.0	.707
.7300	1.0000	.2	1965.3	38.	106.0	53.1	.50	24.447	16.6	406.9	.717
.7400	1.0000	.2	1989.0	38.	109.1	54.7	.50	24.437	16.6	406.5	.726
.7500	1.0000	.2	2012.6	37.	112.2	56.4	.50	24.437	16.6	406.6	.736
.7600	1.0000	.1	2036.3	37.	115.3	58.3	.51	24.458	16.6	406.6	.745
.7700	1.0000	.1	2060.0	36.	118.6	60.3	.51	24.468	16.6	407.5	.755
.7800	1.0000	.1	2083.6	36.	122.2	62.2	.51	24.447	16.6	406.5	.764
.7900	1.0000	.1	2107.3	35.	125.9	64.3	.51	24.447	16.6	406.6	.774
.8000	1.0000	.1	2131.0	35.	129.7	66.5	.52	24.458	16.6	406.8	.783
.8100	1.0000	.1	2154.6	35.	133.7	69.5	.52	24.459	16.6	406.8	.793
.8200	1.0000	.1	2178.3	34.	138.0	72.2	.52	24.447	16.6	406.4	.803
.8300	1.0000	.1	2201.9	34.	142.4	75.2	.53	24.458	16.6	406.9	.812
.8400	1.0000	.1	2225.6	33.	146.9	78.6	.54	24.489	16.7	408.4	.821
.8500	1.0000	.1	2249.3	33.	151.9	82.2	.54	24.489	16.7	408.4	.831
.8600	1.0000	.1	2272.9	33.	157.3	86.0	.55	24.468	16.7	407.5	.841
.8700	1.0000	.1	2296.6	32.	162.9	90.3	.55	24.468	16.7	407.5	.850
.8800	1.0000	.1	2320.3	32.	168.9	95.0	.56	24.479	16.7	408.0	.860
.8900	1.0000	.1	2343.9	32.	175.3	100.3	.57	24.479	16.7	408.1	.869
.9000	1.0000	.1	2367.6	31.	182.3	106.1	.58	24.479	16.7	408.1	.879
.9100	1.0000	.1	2391.2	31.	189.8	112.7	.59	24.479	16.7	408.1	.889
.9200	1.0000	.1	2414.9	31.	197.7	120.4	.61	24.511	16.7	409.7	.898
.9300	1.0000	.1	2438.6	30.	206.7	128.9	.62	24.511	16.7	409.7	.907
.9400	1.0000	.1	2462.2	30.	216.8	138.5	.64	24.489	16.7	408.7	.917
.9500	1.0000	.1	2485.9	30.	227.8	149.0	.66	24.489	16.7	408.7	.927
.9600	1.0000	.1	2509.6	29.	240.2	161.4	.68	24.489	16.7	408.8	.936
.9700	1.0000	.1	2533.2	29.	254.1	176.5	.71	24.500	16.7	409.3	.946
.9800	1.0000	.1	2556.9	29.	270.3	193.2	.74	24.500	16.7	409.3	.955
.9900	1.0000	.1	2580.6	29.	289.3	213.6	.77	24.489	16.7	408.8	.965
1.0000	1.0000	.1	2604.2	28.	311.8	254.8	.82	24.489	16.7	408.9	.974

TABLE 1. SATURATED CRITICAL FLOW PROPERTIES

(TO 340 K (PSAT 27.2 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	979.4	279.8	2260.	.8	5.8	7.32	18.429	5.8	107.1	.004
.0100	.9827	17.1	303.2	1469.	2.0	10.2	5.01	18.727	10.0	188.0	.016
.0200	.9914	8.6	326.6	1060.	3.3	12.5	3.83	19.079	12.2	232.4	.029
.0300	.9943	5.8	350.0	839.	4.4	14.0	3.17	19.339	13.5	260.7	.040
.0400	.9958	4.3	373.4	698.	5.5	15.1	2.73	19.545	14.4	281.1	.051
.0500	.9966	3.5	396.9	599.	6.6	16.0	2.42	19.706	15.0	296.3	.061
.0600	.9972	2.9	420.3	526.	7.7	16.7	2.17	19.844	15.6	308.8	.072
.0700	.9976	2.5	443.7	469.	8.7	17.3	1.98	19.953	16.0	318.5	.082
.0800	.9980	2.2	467.1	423.	9.8	17.8	1.83	20.057	16.3	327.2	.093
.0900	.9982	1.9	490.5	386.	10.8	18.4	1.70	20.138	16.6	334.1	.102
.1000	.9984	1.7	514.0	355.	11.9	18.8	1.58	20.212	16.8	340.3	.113
.1100	.9986	1.6	537.4	329.	12.9	19.3	1.49	20.284	17.1	346.0	.122
.1200	.9987	1.4	560.8	306.	14.0	19.7	1.41	20.337	17.2	350.4	.132
.1300	.9988	1.3	584.2	287.	15.1	20.1	1.34	20.395	17.4	355.0	.142
.1400	.9989	1.2	607.6	269.	16.1	20.5	1.27	20.440	17.5	358.6	.151
.1500	.9990	1.2	631.0	254.	17.2	20.9	1.21	20.483	17.7	362.0	.161
.1600	.9991	1.1	654.5	240.	18.3	21.2	1.16	20.523	17.8	365.1	.171
.1700	.9991	1.0	677.9	228.	19.4	21.6	1.11	20.560	17.9	367.9	.181
.1800	.9992	1.0	701.3	217.	20.5	22.0	1.07	20.589	18.0	370.2	.190
.1900	.9992	.9	724.7	207.	21.6	22.3	1.03	20.624	18.1	372.8	.200
.2000	.9993	.9	748.1	198.	22.7	22.7	1.00	20.659	18.2	375.4	.210
.2100	.9993	.8	771.5	190.	23.8	23.1	.97	20.683	18.2	377.3	.220
.2200	.9994	.8	795.0	183.	25.0	23.4	.94	20.708	18.3	379.1	.229
.2300	.9994	.8	818.4	175.	26.1	23.8	.91	20.733	18.4	381.0	.239
.2400	.9994	.7	841.8	169.	27.3	24.1	.88	20.745	18.4	382.1	.248
.2500	.9995	.7	865.2	162.	28.5	24.5	.86	20.775	18.5	384.1	.258
.2600	.9995	.7	888.6	157.	29.7	24.9	.84	20.787	18.5	385.2	.268
.2700	.9995	.6	912.1	151.	30.9	25.2	.82	20.804	18.6	386.4	.277
.2800	.9995	.6	935.5	147.	32.1	25.6	.80	20.824	18.6	387.7	.287
.2900	.9996	.6	958.9	142.	33.3	26.0	.78	20.847	18.7	389.4	.297
.3000	.9996	.6	982.3	138.	34.6	26.4	.76	20.859	18.7	390.4	.306
.3100	.9996	.6	1005.7	134.	35.8	26.8	.75	20.877	18.8	391.6	.316
.3200	.9996	.5	1029.1	130.	37.1	27.2	.73	20.881	18.8	392.1	.325
.3300	.9996	.5	1052.6	125.	38.4	27.6	.72	20.909	18.8	393.4	.335
.3400	.9997	.5	1076.0	123.	39.7	28.1	.71	20.915	18.8	394.4	.344
.3500	.9997	.5	1099.4	120.	41.1	28.5	.69	20.929	18.9	395.4	.354
.3600	.9997	.5	1122.8	116.	42.4	28.9	.68	20.937	18.9	396.0	.364
.3700	.9997	.5	1146.2	114.	43.8	29.4	.67	20.950	18.9	397.0	.373
.3800	.9997	.5	1169.6	111.	45.2	29.8	.66	20.950	19.0	397.1	.383
.3900	.9997	.4	1193.1	108.	46.6	30.3	.65	20.959	19.0	397.8	.392
.4000	.9997	.4	1216.5	106.	48.0	30.8	.64	20.980	19.0	399.2	.402
.4100	.9997	.4	1239.9	103.	49.5	31.3	.63	20.989	19.0	399.8	.411
.4200	.9998	.4	1263.3	101.	50.9	31.8	.62	20.998	19.1	400.4	.421
.4300	.9998	.4	1286.7	99.	52.5	32.3	.62	20.994	19.1	400.3	.430
.4400	.9998	.4	1310.2	97.	54.0	32.9	.61	21.007	19.1	400.9	.440
.4500	.9998	.4	1333.6	94.	55.5	33.4	.60	21.011	19.1	401.5	.450
.4600	.9998	.4	1357.0	93.	57.1	34.0	.60	21.029	19.1	402.7	.459
.4700	.9998	.4	1380.4	91.	58.9	34.5	.59	21.038	19.2	403.3	.469
.4800	.9998	.4	1403.8	88.	60.3	35.2	.58	21.042	19.2	403.6	.479
.4900	.9998	.4	1427.2	87.	62.0	35.8	.58	21.038	19.2	403.9	.488
.5000	.9998	.3	1450.7	86.	63.7	36.5	.57	21.046	19.2	404.1	.497
.5100	.9998	.3	1474.1	84.	65.4	37.2	.57	21.060	19.2	404.9	.507
.5200	.9998	.3	1497.5	82.	67.2	37.8	.56	21.049	19.2	405.1	.515
.5300	.9998	.3	1520.9	80.	69.0	38.6	.56	21.064	19.3	405.8	.526
.5400	.9998	.3	1544.3	80.	70.8	39.3	.56	21.078	19.3	406.2	.535
.5500	.9999	.3	1567.7	78.	72.7	40.1	.55	21.073	19.3	406.0	.545
.5600	.9999	.3	1591.2	77.	74.6	40.9	.55	21.091	19.3	407.1	.554
.5700	.9999	.3	1614.6	76.	76.5	41.8	.55	21.100	19.3	407.7	.564
.5800	.9999	.3	1638.0	74.	78.6	42.6	.54	21.101	19.3	407.7	.574
.5900	.9999	.3	1661.4	73.	80.7	43.4	.54	21.082	19.3	406.8	.583
.6000	.9999	.3	1684.8	72.	82.7	44.4	.54	21.100	19.3	407.9	.593
.6100	.9999	.3	1708.3	71.	84.8	45.4	.54	21.113	19.4	408.7	.603
.6200	.9999	.3	1731.7	70.	87.1	46.4	.53	21.109	19.4	408.5	.613
.6300	.9999	.3	1755.1	68.	89.3	47.5	.53	21.117	19.4	409.1	.623
.6400	.9999	.3	1778.5	68.	91.7	48.5	.53	21.114	19.4	409.1	.631
.6500	.9999	.3	1801.9	67.	94.0	49.8	.53	21.144	19.4	410.2	.640
.6600	.9999	.3	1825.3	66.	96.5	50.9	.53	21.136	19.4	410.3	.650
.6700	.9999	.3	1848.8	65.	99.0	52.2	.53	21.127	19.4	409.8	.659
.6800	.9999	.3	1872.2	64.	101.4	53.6	.53	21.145	19.4	410.9	.669
.6900	.9999	.3	1895.6	63.	104.3	54.9	.53	21.136	19.4	410.4	.678
.7000	.9999	.2	1919.0	62.	107.0	56.4	.53	21.149	19.4	411.2	.688
.7100	.9999	.2	1942.4	61.	109.9	58.0	.53	21.154	19.5	411.6	.697
.7200	.9999	.2	1965.8	61.	112.9	59.5	.53	21.145	19.4	411.1	.707
.7300	.9999	.2	1989.3	60.	115.9	61.3	.53	21.155	19.5	411.8	.716
.7400	.9999	.2	2012.7	59.	119.1	63.1	.53	21.154	19.5	411.7	.726
.7500	.9999	.2	2036.1	58.	122.3	65.1	.53	21.172	19.5	412.8	.735
.7600	.9999	.2	2059.5	58.	125.7	67.2	.53	21.167	19.5	412.5	.745
.7700	.9999	.2	2082.9	57.	129.3	69.3	.54	21.161	19.5	412.3	.754
.7800	.9999	.2	2106.4	56.	133.0	71.6	.54	21.170	19.5	412.9	.764
.7900	1.0000	.2	2129.8	55.	136.8	74.2	.54	21.177	19.5	413.2	.774
.8000	1.0000	.2	2153.2	54.	140.9	76.8	.55	21.172	19.5	413.0	.783
.8100	1.0000	.2	2176.6	54.	145.0	79.8	.55	21.190	19.5	414.0	.792
.8200	1.0000	.2	2200.0	53.	149.6	82.7	.55	21.172	19.5	413.1	.802
.8300	1.0000	.2	2223.4	53.	154.2	86.2	.56	21.186	19.5	413.9	.811
.8400	1.0000	.2	2246.9	52.	159.1	89.9	.56	21.181	19.5	413.9	.821
.8500	1.0000	.2	2270.3	52.	164.3	93.6	.57	21.181	19.5	413.7	.831
.8600	1.0000	.2	2293.7	51.	169.8	98.0	.58	21.195	19.6	414.5	.840
.8700	1.0000	.2	2317.1	50.	175.4	102.7	.59	21.199	19.5	414.7	.850
.8800	1.0000	.2	2340.5	50.	181.7	107.9	.59	21.198	19.6	414.8	.859
.8900	1.0000	.2	2363.9	49.	188.4	113.6	.60	21.208	19.6	415.3	.869
.9000	1.0000	.2	2387.4	49.	195.6	119.9	.61	21.204	19.6	415.1	.878
.9100	1.0000	.2	2410.8	48.	203.3	127.0	.62	21.208	19.6	415.4	.888
.9200	1.0000	.2	2434.2	47.	211.8	134.9	.64	21.199	19.6	414.9	.897
.9300	1.0000	.2	2457.6	47.	220.8	143.7	.65	21.199	19.6	414.9	.907
.9400	1.0000	.2	2481.0	47.	231.0	154.4	.67	21.219	19.6	416.3	.916
.9500	1.0000	.2	2504.5	46.	241.9	166.3	.69	21.219	19.6	416.0	.926
.9600	1.0000	.2	2527.9	46.	254.2	180.1	.71	21.208	19.6	415.5	.935
.9700	1.0000	.2	2551.3	45.	267.8	196.6	.73	21.227	19.6	416.6	.945
.9800	1.0000	.2	2574.7	45.	283.8	216.4	.76	21.208	19.6	415.6	.954
.9900	1.0000	.2	2598.1	45.	302.0	240.2	.80	21.204	19.6	415.6	.964
1.0000	1.0000	.2	2621.5	44.	322.9	270.4	.84	21.227	19.6	416.7	.973

TABL . SATURATED CRITICAL FLOW PROPERTIES

(TO 350 K (PSAT 41.6 KPA))

XQ	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	973.6	321.7	2855.	1.1	7.2	6.46	16.185	7.2	116.6	.006
.0100	.0742	25.3	344.9	2027.	2.3	11.7	4.77	16.374	11.5	188.3	.017
.0200	.0871	12.8	368.0	1407.	3.8	14.3	3.74	16.659	13.9	231.6	.029
.0300	.0914	8.6	391.2	1209.	5.1	16.0	3.14	16.876	15.4	260.0	.040
.0400	.0936	6.5	414.4	1014.	6.3	17.3	2.72	17.044	16.4	280.4	.051
.0500	.0950	5.2	437.5	876.	7.6	18.3	2.42	17.196	17.2	296.0	.062
.0600	.0958	4.3	460.7	772.	8.7	19.1	2.19	17.305	17.8	308.7	.072
.0700	.0965	3.7	483.9	691.	9.9	19.9	2.00	17.404	18.3	319.1	.083
.0800	.0969	3.2	507.0	626.	11.1	20.5	1.85	17.490	18.7	327.8	.093
.0900	.0973	2.9	530.2	573.	12.3	21.1	1.72	17.565	19.1	335.5	.103
.1000	.0976	2.6	553.4	527.	13.4	21.7	1.61	17.628	19.4	341.5	.113
.1100	.0978	2.4	576.5	489.	14.6	22.2	1.52	17.687	19.6	347.1	.123
.1200	.0980	2.2	599.7	456.	15.8	22.7	1.44	17.743	19.9	352.3	.133
.1300	.0982	2.0	622.9	427.	17.0	23.2	1.37	17.787	20.0	356.6	.143
.1400	.0984	1.9	646.0	402.	18.1	23.6	1.30	17.833	20.2	360.8	.152
.1500	.0985	1.7	669.2	379.	19.3	24.1	1.25	17.869	20.4	364.2	.162
.1600	.0986	1.6	692.4	359.	20.5	24.5	1.19	17.904	20.5	367.4	.172
.1700	.0987	1.5	715.6	341.	21.7	24.9	1.15	17.937	20.7	370.4	.182
.1800	.0988	1.4	738.7	325.	22.9	25.3	1.10	17.966	20.8	373.1	.191
.1900	.0989	1.4	761.9	310.	24.2	25.8	1.07	17.995	20.9	375.7	.201
.2000	.0989	1.3	785.1	297.	25.4	26.2	1.03	18.025	21.0	378.3	.211
.2100	.0990	1.2	808.2	285.	26.6	26.6	1.00	18.050	21.1	380.5	.220
.2200	.0991	1.2	831.4	273.	27.9	27.0	.97	18.072	21.2	382.4	.230
.2300	.0991	1.1	854.6	263.	29.2	27.5	.94	18.093	21.2	384.3	.240
.2400	.0992	1.1	877.7	253.	30.4	27.9	.91	18.109	21.3	385.7	.249
.2500	.0992	1.0	900.9	244.	31.7	28.3	.89	18.126	21.4	387.3	.259
.2600	.0992	1.0	924.1	236.	33.1	28.7	.87	18.144	21.4	388.9	.269
.2700	.0993	1.0	947.2	228.	34.4	29.2	.85	18.170	21.5	391.0	.279
.2800	.0993	.9	970.4	221.	35.7	29.6	.83	18.181	21.6	392.0	.288
.2900	.0993	.9	993.6	214.	37.0	30.1	.81	18.196	21.6	393.3	.297
1.0000	.0994	.9	1016.7	207.	38.4	30.5	.79	18.215	21.7	394.8	.307
.3100	.0994	.8	1039.9	201.	39.8	31.0	.78	18.218	21.7	395.3	.316
.3200	.0994	.8	1063.1	196.	41.2	31.4	.76	18.232	21.7	396.4	.326
.3300	.0995	.8	1086.2	190.	42.6	31.9	.75	18.230	21.8	396.5	.336
.3400	.0995	.8	1109.4	185.	44.0	32.4	.74	18.252	21.8	398.3	.345
.3500	.0995	.7	1132.6	180.	45.5	32.9	.72	18.275	21.9	400.0	.355
.3600	.0995	.7	1155.7	176.	47.0	33.4	.71	18.275	21.9	400.7	.364
.3700	.0995	.7	1178.9	171.	48.4	33.9	.70	18.290	21.9	401.4	.374
.3800	.0996	.7	1202.1	167.	49.9	34.4	.69	18.308	22.0	402.5	.383
.3900	.0996	.7	1225.3	163.	51.5	35.0	.68	18.309	22.0	403.0	.393
.4000	.0996	.6	1248.4	159.	53.1	35.6	.67	18.313	22.0	403.4	.402
.4100	.0996	.6	1271.6	156.	54.6	36.2	.66	18.328	22.1	404.5	.412
.4200	.0996	.6	1294.8	152.	56.2	36.9	.65	18.336	22.1	405.2	.422
.4300	.0996	.6	1317.9	149.	57.8	37.3	.65	18.343	22.1	405.8	.431
.4400	.0997	.6	1341.1	146.	59.5	38.0	.64	18.351	22.2	406.5	.441
.4500	.0997	.6	1364.3	143.	61.2	38.6	.63	18.359	22.2	407.1	.450
.4600	.0997	.6	1387.4	140.	62.9	39.2	.62	18.363	22.2	407.5	.460
.4700	.0997	.6	1410.6	137.	64.6	39.9	.62	18.370	22.3	408.1	.469
.4800	.0997	.5	1433.8	134.	66.4	40.6	.61	18.382	22.3	409.0	.479
.4900	.0997	.5	1456.9	132.	68.2	41.3	.61	18.374	22.3	408.6	.488
.5000	.0997	.5	1480.1	129.	70.0	42.1	.60	18.390	22.3	409.7	.498
.5100	.0997	.5	1503.3	127.	71.9	42.8	.60	18.394	22.3	410.1	.507
.5200	.0998	.5	1526.4	125.	73.8	43.6	.59	18.401	22.3	410.9	.517
.5300	.0998	.5	1549.6	123.	75.7	44.4	.59	18.397	22.3	410.6	.526
.5400	.0998	.5	1572.8	120.	77.7	45.3	.58	18.413	22.4	411.7	.535
.5500	.0998	.5	1595.9	118.	79.8	46.3	.58	18.444	22.4	413.8	.545
.5600	.0998	.5	1619.1	116.	81.8	47.1	.58	18.413	22.4	411.9	.555
.5700	.0998	.5	1642.3	114.	83.8	48.0	.57	18.435	22.4	413.7	.564
.5800	.0998	.4	1665.4	113.	86.0	49.0	.57	18.433	22.4	413.3	.574
.5900	.0998	.4	1688.6	111.	88.2	50.0	.57	18.436	22.4	413.6	.583
.6000	.0998	.4	1711.8	109.	90.4	51.1	.57	18.444	22.5	414.2	.593
.6100	.0998	.4	1734.9	107.	92.7	52.2	.56	18.444	22.5	414.3	.602
.6200	.0998	.4	1758.1	106.	95.0	53.3	.56	18.382	22.3	410.3	.612
.6300	.0998	.4	1781.3	104.	97.5	54.4	.56	18.444	22.5	414.4	.622
.6400	.0998	.4	1804.4	103.	99.9	55.6	.56	18.460	22.5	415.5	.631
.6500	.0999	.4	1827.6	101.	102.5	57.1	.56	18.460	22.5	415.6	.640
.6600	.0999	.4	1850.8	100.	105.1	58.4	.56	18.444	22.5	415.9	.650
.6700	.0999	.4	1874.0	98.	107.8	59.9	.56	18.468	22.6	416.2	.659
.6800	.0999	.4	1897.1	97.	110.5	61.4	.56	18.476	22.6	416.8	.669
.6900	.0999	.4	1920.3	95.	113.4	62.9	.56	18.476	22.6	416.9	.678
.7000	.0999	.4	1943.5	94.	116.4	64.5	.55	18.468	22.5	416.4	.688
.7100	.0999	.4	1966.6	93.	119.4	66.3	.56	18.480	22.6	417.2	.697
.7200	.0999	.4	1989.8	92.	122.5	68.1	.56	18.484	22.6	417.6	.707
.7300	.0999	.4	2013.0	90.	125.7	70.1	.56	18.492	22.6	418.1	.716
.7400	.0999	.4	2036.1	89.	129.1	72.1	.56	18.492	22.6	418.0	.726
.7500	.0999	.3	2059.3	88.	132.6	74.2	.56	18.484	22.6	417.7	.735
.7600	.0999	.3	2082.5	87.	136.1	76.6	.56	18.496	22.6	418.3	.745
.7700	.0999	.3	2105.6	86.	139.9	79.0	.56	18.500	22.6	418.4	.754
.7800	.0999	.3	2128.8	85.	143.8	81.5	.57	18.497	22.6	418.4	.764
.7900	.0999	.3	2152.0	84.	147.8	84.3	.57	18.504	22.6	418.6	.773
.8000	.0999	.3	2175.1	83.	152.0	87.3	.57	18.508	22.7	418.8	.783
.8100	.0999	.3	2198.3	82.	156.5	90.4	.58	18.500	22.7	418.3	.792
.8200	.0999	.3	2221.4	81.	161.1	93.9	.58	18.512	22.7	418.9	.802
.8300	.0999	.3	2244.6	80.	166.0	97.5	.59	18.515	22.7	419.1	.811
.8400	.0999	.3	2267.8	79.	171.1	101.4	.59	18.504	22.7	418.7	.821
.8500	1.0000	.3	2291.0	78.	176.4	105.7	.60	18.524	22.7	419.7	.830
.8600	1.0000	.3	2314.1	77.	182.1	110.4	.61	18.520	22.7	420.5	.840
.8700	1.0000	.3	2337.3	76.	188.1	115.5	.61	18.524	22.7	420.4	.849
.8800	1.0000	.3	2360.5	76.	194.7	120.9	.62	18.515	22.7	420.3	.859
.8900	1.0000	.3	2383.7	75.	201.4	127.1	.63	18.524	22.7	421.2	.868
.9000	1.0000	.3	2406.8	74.	208.7	133.9	.64	18.524	22.7	421.2	.878
.9100	1.0000	.3	2430.0	73.	216.7	141.3	.65	18.524	22.7	421.0	.887
.9200	1.0000	.3	2453.2	72.	225.2	149.7	.66	18.524	22.7	421.0	.897
.9300	1.0000	.3	2476.3	72.	234.3	159.3	.68	18.536	22.8	421.8	.906
.9400	1.0000	.3	2499.5	71.	244.3	170.0	.70	18.536	22.8	421.9	.916
.9500	1.0000	.3	2522.7	70.	255.3	182.3	.71	18.540	22.8	422.1	.925
.9600	1.0000	.3	2545.8	70.	267.6	196.3	.73	18.532	22.8	421.7	.935
.9700	1.0000	.3	2569.0	69.	280.5	212.3	.76	18.532	22.8	421.3	.944
.9800	1.0000	.3	2592.2	68.	295.1	230.5	.78	18.544	22.8	422.2	.953
.9900	1.0000	.3	2615.3	68.	311.6	251.1	.81	18.548	22.8	422.5	.963
1.0000	1.0000	.3	2638.5	67.	333.9	284.8	.85	18.540	22.8	422.3	.972

TABLE 1.4 SATURATED CRITICAL FLOW PROPERTIES

(TO 360 K (PSAT 69.1 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XE
0.0000	0.0000	967.2	363.7	3546.	1.5	8.8	5.79	14.336	8.8	126.1	.007
.0100	.9627	36.4	396.6	2707.	3.0	13.3	4.51	14.445	13.1	189.2	.018
.0200	.9811	14.6	409.5	2078.	4.5	16.2	3.64	14.674	15.8	231.1	.030
.0300	.9875	12.4	432.4	1690.	5.9	18.1	3.09	14.855	17.4	259.1	.041
.0400	.9907	9.4	454.3	1431.	7.7	19.6	2.70	15.000	18.6	279.6	.053
.0500	.9926	7.5	478.3	1244.	8.6	20.8	2.42	15.170	19.5	295.6	.063
.0600	.9939	6.3	501.2	1101.	9.9	21.7	2.20	15.219	20.3	308.2	.073
.0700	.9948	5.4	524.1	986.	11.2	22.6	2.02	15.308	20.8	319.0	.084
.0800	.9955	4.7	547.0	899.	12.5	23.4	1.87	15.383	21.3	328.0	.094
.0900	.9961	4.2	569.9	824.	13.8	24.1	1.75	15.451	21.9	334.9	.104
.1000	.9965	3.8	592.8	760.	15.1	24.7	1.64	14.504	22.1	342.3	.114
.1100	.9969	3.4	615.7	707.	16.4	25.3	1.55	15.560	22.4	348.4	.124
.1200	.9974	3.1	638.7	660.	17.7	25.9	1.47	15.608	22.7	353.7	.134
.1300	.9974	2.9	661.6	619.	19.0	26.5	1.40	15.650	22.9	358.4	.144
.1400	.9976	2.7	684.5	583.	20.2	27.0	1.33	15.689	23.1	362.6	.153
.1500	.9978	2.5	707.4	551.	21.6	27.5	1.28	15.721	23.3	366.1	.162
.1600	.9980	2.4	730.3	523.	22.9	28.0	1.22	15.753	23.5	369.5	.173
.1700	.9981	2.2	753.2	497.	24.2	28.5	1.18	15.783	23.6	372.4	.183
.1800	.9982	2.1	776.1	473.	25.5	29.0	1.14	15.809	23.8	375.6	.193
.1900	.9983	2.0	799.0	452.	26.9	29.5	1.10	15.839	23.9	377.6	.203
.2000	.9984	1.9	822.0	433.	28.2	30.0	1.06	15.859	24.0	380.8	.212
.2100	.9985	1.8	844.9	415.	29.6	30.4	1.03	15.881	24.1	383.0	.221
.2200	.9986	1.7	867.8	399.	30.9	30.9	1.00	15.905	24.2	385.4	.231
.2300	.9987	1.6	890.7	384.	32.3	31.4	.97	15.924	24.3	387.4	.241
.2400	.9988	1.6	913.6	370.	33.7	31.8	.94	15.927	24.4	388.1	.250
.2500	.9988	1.5	936.5	357.	35.1	32.4	.92	15.959	24.5	391.0	.260
.2600	.9989	1.5	959.4	345.	36.5	32.9	.90	15.975	24.6	392.6	.269
.2700	.9989	1.4	982.4	333.	38.0	33.4	.88	15.987	24.6	393.9	.279
.2800	.9990	1.3	1005.3	323.	39.4	33.9	.86	16.004	24.7	395.6	.289
.2900	.9990	1.3	1028.2	313.	40.9	34.4	.84	16.014	24.8	396.7	.298
.3000	.9991	1.3	1051.1	304.	42.4	34.9	.82	16.031	24.8	398.2	.308
.3100	.9991	1.2	1074.0	295.	43.9	35.4	.81	16.037	24.9	399.0	.317
.3200	.9992	1.2	1096.9	287.	45.4	36.0	.79	16.050	24.9	400.3	.327
.3300	.9992	1.1	1119.9	279.	46.9	36.5	.78	16.062	25.0	401.4	.336
.3400	.9992	1.1	1142.7	271.	48.5	37.1	.76	16.070	25.0	402.3	.345
.3500	.9993	1.1	1165.7	264.	50.0	37.7	.75	16.087	25.1	403.8	.355
.3600	.9993	1.0	1188.6	258.	51.6	38.2	.74	16.090	25.1	404.3	.365
.3700	.9993	1.0	1211.5	251.	53.2	38.8	.73	16.102	25.2	405.4	.375
.3800	.9994	1.0	1234.4	245.	54.9	39.4	.72	16.113	25.3	406.5	.384
.3900	.9994	1.0	1257.3	239.	56.5	40.0	.71	16.117	25.2	406.9	.394
.4000	.9994	.9	1280.2	234.	58.2	40.7	.70	16.130	25.3	408.1	.403
.4100	.9994	.9	1303.1	229.	59.9	41.3	.69	16.134	25.3	408.5	.413
.4200	.9995	.9	1326.1	224.	61.6	42.0	.68	16.150	25.4	410.0	.422
.4300	.9995	.9	1349.0	219.	63.4	42.6	.67	16.157	25.4	409.1	.433
.4400	.9995	.9	1371.9	214.	65.1	43.4	.67	16.161	25.4	411.1	.441
.4500	.9995	.8	1394.8	210.	66.9	44.1	.66	16.167	25.5	411.7	.451
.4600	.9995	.8	1417.7	206.	68.7	44.9	.65	16.179	25.5	412.6	.460
.4700	.9996	.8	1440.6	202.	70.6	45.6	.65	16.176	25.4	412.7	.470
.4800	.9996	.8	1463.5	198.	72.5	46.4	.64	16.181	25.5	413.2	.479
.4900	.9996	.8	1486.4	194.	74.5	47.2	.63	16.184	25.6	413.6	.489
.5000	.9996	.8	1509.4	190.	76.4	48.0	.63	16.193	25.6	414.3	.498
.5100	.9996	.7	1532.3	187.	78.4	48.9	.62	16.201	25.6	415.1	.508
.5200	.9996	.7	1555.2	184.	80.4	49.8	.62	16.208	25.6	415.7	.517
.5300	.9997	.7	1578.1	180.	82.5	50.7	.61	16.212	25.7	416.1	.527
.5400	.9997	.7	1601.0	177.	84.6	51.7	.61	16.219	25.7	416.7	.536
.5500	.9997	.7	1623.9	174.	86.8	52.7	.61	16.222	25.7	417.1	.546
.5600	.9997	.7	1646.8	171.	89.0	53.7	.60	16.222	25.7	417.2	.555
.5700	.9997	.7	1669.8	168.	91.2	54.8	.60	16.232	25.8	418.0	.565
.5800	.9997	.7	1692.7	166.	93.5	55.7	.60	16.216	25.7	417.1	.574
.5900	.9997	.6	1715.6	163.	95.8	56.9	.59	16.232	25.8	418.2	.583
.6000	.9997	.6	1738.5	160.	98.2	58.2	.59	16.243	25.8	419.1	.593
.6100	.9998	.6	1761.4	158.	100.7	59.4	.59	16.243	25.8	419.2	.602
.6200	.9998	.6	1784.3	156.	103.1	60.7	.59	16.253	25.8	420.0	.612
.6300	.9998	.6	1807.2	153.	105.7	62.0	.59	16.257	25.9	420.4	.621
.6400	.9998	.6	1830.1	151.	108.3	63.4	.59	16.260	25.9	420.7	.631
.6500	.9998	.6	1853.1	149.	111.0	64.9	.58	16.264	25.9	421.0	.640
.6600	.9998	.6	1876.0	147.	113.8	66.4	.58	16.267	25.9	421.4	.650
.6700	.9998	.6	1898.9	145.	116.6	68.0	.58	16.271	25.9	421.7	.659
.6800	.9998	.6	1921.8	143.	119.6	69.6	.58	16.274	25.9	422.0	.669
.6900	.9998	.5	1944.7	141.	122.6	71.4	.58	16.277	25.9	422.4	.678
.7000	.9998	.5	1967.6	139.	125.7	73.2	.58	16.274	25.9	422.2	.688
.7100	.9998	.5	1990.5	137.	128.9	75.1	.58	16.274	25.9	422.2	.697
.7200	.9998	.5	2013.5	135.	132.2	77.1	.58	16.284	26.0	423.1	.707
.7300	.9999	.5	2036.4	133.	135.6	79.2	.58	16.281	26.0	422.9	.716
.7400	.9999	.5	2059.3	132.	139.1	81.3	.59	16.291	26.0	423.7	.726
.7500	.9999	.5	2082.2	130.	142.7	83.9	.59	16.295	26.0	424.0	.735
.7600	.9999	.5	2105.1	128.	146.5	86.3	.59	16.288	26.0	423.6	.745
.7700	.9999	.5	2128.0	127.	150.4	89.1	.59	16.298	26.0	424.4	.754
.7800	.9999	.5	2150.9	125.	154.4	91.9	.60	16.302	26.1	424.7	.763
.7900	.9999	.5	2173.8	124.	158.7	94.9	.60	16.306	26.1	425.0	.773
.8000	.9999	.5	2196.8	122.	163.1	98.1	.60	16.306	26.1	425.1	.782
.8100	.9999	.5	2219.7	121.	167.7	101.6	.61	16.309	26.1	425.4	.792
.8200	.9999	.5	2242.6	119.	172.5	105.3	.61	16.313	26.1	425.7	.801
.8300	.9999	.5	2265.5	118.	177.5	109.3	.62	16.313	26.1	425.7	.811
.8400	.9999	.5	2288.4	117.	182.8	113.8	.62	16.310	26.1	425.4	.820
.8500	.9999	.4	2311.3	115.	188.5	118.0	.63	16.309	26.1	425.4	.830
.8600	.9999	.4	2334.2	114.	194.4	122.9	.63	16.302	26.1	425.1	.839
.8700	.9999	.4	2357.1	113.	200.4	128.5	.64	16.313	26.1	425.9	.849
.8800	.9999	.4	2380.1	112.	207.1	134.3	.65	16.315	26.1	426.2	.858
.8900	1.0000	.4	2403.0	110.	213.9	140.9	.66	16.330	26.2	427.3	.867
.9000	1.0000	.4	2425.9	109.	221.4	148.0	.67	16.327	26.2	427.1	.877
.9100	1.0000	.4	2448.8	108.	229.4	155.9	.68	16.330	26.2	427.4	.886
.9200	1.0000	.4	2471.7	107.	238.1	164.5	.69	16.323	26.2	426.9	.896
.9300	1.0000	.4	2494.6	106.	247.3	174.4	.71	16.334	26.2	427.7	.905
.9400	1.0000	.4	2517.5	105.	257.3	185.5	.72	16.337	26.2	428.0	.914
.9500	1.0000	.4	2540.5	104.	268.2	197.9	.74	16.330	26.2	427.5	.924
.9600	1.0000	.4	2563.4	103.	280.3	212.1	.76	16.330	26.2	427.6	.934
.9700	1.0000	.4	2586.3	102.	293.4	228.8	.78	16.341	26.2	428.4	.943
.9800	1.0000	.4	2609.2	101.	308.1	248.1	.81	16.344	26.2	428.7	.953
.9900	1.0000	.4	2632.1	100.	324.8	270.9	.83	16.344	26.2	428.7	.962
1.0000	1.0000	.4	2655.0	99.	344.0	298.2	.87	16.337	26.2	428.3	.972

TABLE J. SATURATED CRITICAL FLOW PROPERTIES

(TO 370 K (PSAT 90.4 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	960.4	405.8	4335.	2.1	10.6	5.16	12.795	10.6	135.1	.008
.0100	.9475	20.9	428.4	3510.	3.6	15.1	4.25	12.849	14.8	190.7	.019
.0200	.9733	14.2	451.1	3193.	5.2	17.4	3.53	13.037	17.7	230.9	.031
.0300	.9822	11.6	473.9	2995.	6.9	19.4	3.03	13.182	19.8	258.5	.042
.0400	.9867	10.3	496.4	2863.	8.6	21.0	2.68	13.305	21.6	279.0	.053
.0500	.9895	10.6	519.0	1717.	9.9	23.4	2.41	13.409	22.0	295.2	.064
.0600	.9913	8.9	541.7	1529.	11.2	24.5	2.20	13.496	22.8	308.1	.074
.0700	.9926	7.6	564.4	1379.	12.6	25.5	2.03	13.573	23.5	319.1	.085
.0800	.9936	6.7	587.0	1257.	14.0	26.4	1.88	13.639	24.1	328.4	.095
.0900	.9944	5.9	609.7	1154.	15.4	27.2	1.76	13.697	24.6	336.3	.105
.1000	.9950	5.3	632.3	1069.	16.8	27.9	1.66	13.749	25.0	343.2	.115
.1100	.9955	4.9	655.0	995.	18.2	28.6	1.57	13.797	25.3	349.2	.125
.1200	.9959	4.5	677.6	930.	19.6	29.3	1.49	13.841	25.6	354.4	.135
.1300	.9963	4.1	700.3	874.	21.1	29.9	1.42	13.881	25.9	359.6	.145
.1400	.9966	3.8	723.0	824.	22.5	30.5	1.36	13.918	26.2	364.0	.154
.1500	.9968	3.6	745.6	780.	23.9	31.1	1.30	13.951	26.4	367.9	.164
.1600	.9971	3.3	768.2	740.	25.3	31.7	1.25	13.984	26.6	371.4	.174
.1700	.9973	3.2	790.9	705.	26.8	32.3	1.21	14.013	26.8	374.9	.184
.1800	.9975	3.0	813.5	672.	28.2	32.8	1.16	14.042	27.0	378.0	.193
.1900	.9976	2.8	836.2	643.	29.6	33.4	1.13	14.069	27.1	380.7	.203
.2000	.9978	2.7	858.8	616.	31.3	34.0	1.09	14.067	27.3	383.4	.213
.2100	.9979	2.6	881.5	591.	32.6	34.5	1.06	14.086	27.5	385.8	.222
.2200	.9980	2.4	904.1	568.	34.1	35.1	1.03	14.106	27.6	388.1	.232
.2300	.9981	2.3	926.8	547.	35.5	35.6	1.00	14.120	27.7	390.0	.242
.2400	.9982	2.2	949.5	527.	37.1	36.2	.98	14.140	27.7	392.1	.251
.2500	.9983	2.1	972.1	509.	38.6	36.7	.95	14.152	27.8	393.7	.261
.2600	.9984	2.1	994.8	492.	40.1	37.3	.93	14.165	27.9	395.3	.270
.2700	.9985	2.0	1017.4	476.	41.7	37.9	.91	14.181	28.0	397.1	.280
.2800	.9986	1.9	1040.1	461.	43.2	38.4	.89	14.197	28.1	398.8	.290
.2900	.9986	1.9	1062.7	447.	44.8	39.0	.87	14.207	28.2	400.1	.299
.3000	.9987	1.8	1085.4	434.	46.4	39.6	.85	14.219	28.2	401.4	.309
.3100	.9988	1.7	1108.0	421.	48.0	40.2	.84	14.229	28.3	402.7	.318
.3200	.9988	1.7	1130.7	410.	49.7	40.8	.82	14.243	28.4	404.2	.328
.3300	.9989	1.6	1153.3	399.	51.3	41.4	.81	14.251	28.4	405.2	.337
.3400	.9989	1.6	1176.0	388.	53.0	42.1	.79	14.264	28.5	406.6	.347
.3500	.9990	1.5	1198.6	378.	54.7	42.7	.78	14.273	28.6	407.6	.356
.3600	.9990	1.5	1221.3	369.	56.4	43.4	.77	14.282	28.6	408.6	.366
.3700	.9990	1.5	1243.9	360.	58.1	44.0	.76	14.290	28.7	409.6	.375
.3800	.9991	1.4	1266.6	351.	59.9	44.7	.75	14.293	28.7	410.1	.385
.3900	.9991	1.4	1289.2	343.	61.6	45.4	.74	14.302	28.7	411.1	.394
.4000	.9992	1.3	1311.9	335.	63.4	46.1	.73	14.314	28.8	412.3	.404
.4100	.9992	1.3	1334.5	328.	65.2	46.8	.72	14.317	28.8	412.8	.413
.4200	.9992	1.3	1357.2	321.	67.1	47.6	.71	14.325	28.9	413.6	.423
.4300	.9993	1.2	1379.9	314.	69.0	48.3	.70	14.329	28.9	414.2	.432
.4400	.9993	1.2	1402.5	307.	70.3	49.2	.69	14.343	29.0	415.4	.442
.4500	.9993	1.2	1425.2	301.	72.8	50.0	.69	14.349	29.0	416.1	.451
.4600	.9993	1.2	1447.8	295.	74.7	50.8	.68	14.353	29.0	416.8	.461
.4700	.9994	1.1	1470.5	289.	76.7	51.6	.67	14.353	29.0	416.9	.470
.4800	.9994	1.1	1493.1	284.	78.8	52.5	.67	14.359	29.1	417.6	.480
.4900	.9994	1.1	1515.8	278.	80.8	53.4	.66	14.367	29.1	418.4	.489
.5000	.9994	1.1	1538.4	273.	82.9	54.4	.66	14.371	29.1	418.9	.499
.5100	.9995	1.1	1561.1	268.	85.0	55.4	.65	14.381	29.2	419.8	.508
.5200	.9995	1.0	1583.7	263.	87.2	56.3	.65	14.389	29.2	420.1	.518
.5300	.9995	1.0	1606.4	259.	89.4	57.4	.64	14.390	29.2	420.8	.527
.5400	.9995	1.0	1629.0	254.	91.6	58.4	.64	14.391	29.3	421.1	.536
.5500	.9995	1.0	1651.7	250.	93.9	59.5	.63	14.399	29.3	421.9	.546
.5600	.9996	1.0	1674.3	246.	96.2	60.6	.63	14.399	29.3	422.0	.555
.5700	.9996	.9	1697.0	242.	98.6	61.8	.63	14.402	29.3	422.4	.565
.5800	.9996	.9	1719.6	238.	101.0	63.1	.62	14.411	29.4	423.2	.574
.5900	.9996	.9	1742.3	234.	103.5	64.3	.62	14.411	29.4	423.3	.584
.6000	.9996	.9	1765.0	231.	106.0	65.6	.62	14.416	29.4	423.8	.593
.6100	.9996	.9	1787.6	227.	108.6	67.0	.62	14.423	29.4	424.6	.603
.6200	.9997	.9	1810.3	224.	111.3	68.4	.61	14.420	29.5	424.4	.612
.6300	.9997	.9	1832.9	220.	114.0	69.9	.61	14.430	29.5	425.3	.622
.6400	.9997	.8	1855.6	217.	116.7	71.4	.61	14.433	29.5	425.6	.631
.6500	.9997	.8	1878.2	214.	119.6	73.0	.61	14.433	29.5	425.7	.640
.6600	.9997	.8	1900.9	211.	122.5	74.7	.61	14.436	29.5	426.1	.650
.6700	.9997	.8	1923.5	208.	125.5	76.4	.61	14.439	29.5	426.4	.659
.6800	.9997	.8	1946.2	205.	128.6	78.3	.61	14.447	29.6	426.8	.669
.6900	.9997	.8	1968.8	202.	131.7	80.2	.61	14.445	29.6	427.1	.678
.7000	.9998	.8	1991.5	199.	135.0	82.2	.61	14.448	29.6	427.4	.688
.7100	.9998	.8	2014.1	197.	138.3	84.3	.61	14.454	29.6	428.0	.697
.7200	.9998	.7	2036.8	194.	141.8	86.5	.61	14.451	29.6	427.8	.707
.7300	.9998	.7	2059.4	192.	145.3	88.9	.61	14.461	29.6	428.7	.716
.7400	.9998	.7	2082.1	189.	149.0	91.3	.61	14.457	29.6	428.5	.725
.7500	.9998	.7	2104.7	187.	152.8	94.0	.62	14.470	29.7	429.6	.735
.7600	.9998	.7	2127.4	185.	156.8	96.6	.62	14.464	29.7	429.2	.744
.7700	.9998	.7	2150.0	182.	160.8	99.5	.62	14.470	29.7	429.7	.754
.7800	.9998	.7	2172.7	180.	165.0	102.6	.62	14.473	29.7	430.1	.763
.7900	.9999	.7	2195.4	178.	169.4	105.9	.63	14.476	29.7	430.4	.773
.8000	.9999	.7	2218.0	176.	174.0	109.3	.63	14.473	29.7	430.2	.782
.8100	.9999	.7	2240.7	174.	178.7	113.0	.63	14.479	29.8	430.8	.791
.8200	.9999	.7	2263.3	172.	183.7	116.9	.64	14.476	29.7	430.6	.801
.8300	.9999	.6	2286.0	170.	188.9	121.2	.64	14.486	29.8	431.4	.810
.8400	.9999	.6	2308.6	168.	194.3	125.7	.65	14.486	29.8	431.5	.820
.8500	.9999	.6	2331.3	166.	200.1	130.6	.65	14.482	29.8	431.3	.829
.8600	.9999	.6	2353.9	164.	206.0	136.0	.66	14.495	29.8	432.4	.839
.8700	.9999	.6	2376.6	162.	212.4	141.7	.67	14.492	29.8	432.1	.848
.8800	.9999	.6	2399.2	161.	219.1	147.8	.67	14.489	29.8	431.9	.857
.8900	.9999	.5	2421.9	159.	226.2	154.5	.68	14.492	29.8	432.2	.867
.9000	.9999	.6	2444.5	157.	233.7	161.7	.69	14.498	29.9	432.8	.876
.9100	.9999	.6	2467.2	155.	241.7	170.3	.70	14.501	29.9	433.1	.886
.9200	1.0000	.6	2489.8	154.	250.4	179.2	.71	14.495	29.8	432.5	.895
.9300	1.0000	.6	2512.5	152.	259.5	189.4	.73	14.508	29.9	433.7	.905
.9400	1.0000	.6	2535.2	151.	269.5	200.6	.74	14.504	29.9	433.5	.914
.9500	1.0000	.6	2557.9	149.	280.4	213.1	.76	14.501	29.9	433.3	.923
.9600	1.0000	.6	2580.5	148.	292.2	227.5	.78	14.504	29.9	433.6	.933
.9700	1.0000	.5	2603.2	146.	305.3	243.4	.80	14.495	29.9	432.9	.942
.9800	1.0000	.5	2625.8	145.	319.2	262.8	.82	14.514	29.9	434.5	.952
.9900	1.0000	.5	2648.4	143.	335.4	284.7	.85	14.508	29.9	434.0	.961
1.0000	1.0000	.5	2671.1	142.	353.1	311.0	.88	14.517	30.0	434.9	.971

TABLE 3. SATURATED CRITICAL FLOW PROPERTIES

(TO 380 K (PSAT 128.7 KPA))

XC	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	953.1	448.0	5227.	2.7	13.6	4.66	11.500	12.5	144.1	.010
.0100	.9279	69.4	470.4	4434.	4.3	17.1	4.00	11.514	16.7	192.8	.020
.0200	.9630	36.0	492.8	3607.	6.0	20.4	3.39	11.559	19.8	231.0	.032
.0300	.9753	24.3	515.3	3014.	7.7	23.8	2.96	11.684	22.9	268.1	.043
.0400	.9815	18.4	537.9	2622.	9.3	24.6	2.64	11.888	23.4	278.4	.054
.0500	.9853	14.7	559.9	2312.	10.9	26.1	2.39	11.977	24.6	294.6	.065
.0600	.9879	12.3	582.3	2069.	12.5	27.4	2.19	12.052	25.5	307.8	.075
.0700	.9897	10.6	604.9	1874.	14.1	28.5	2.03	12.118	26.3	318.8	.086
.0800	.9911	9.3	627.7	1714.	15.8	29.6	1.89	12.177	27.0	328.3	.096
.0900	.9921	8.2	649.8	1580.	17.1	30.5	1.78	12.230	27.5	336.6	.106
.1000	.9930	7.4	671.8	1465.	18.7	31.3	1.68	12.272	28.0	343.3	.116
.1100	.9937	6.8	694.2	1367.	20.2	32.1	1.59	12.316	28.4	349.9	.126
.1200	.9943	6.2	716.6	1281.	21.7	32.9	1.51	12.354	28.8	355.5	.135
.1300	.9948	5.7	739.0	1205.	23.3	33.6	1.45	12.388	29.1	360.6	.146
.1400	.9952	5.3	761.4	1139.	24.8	34.3	1.38	12.417	29.4	365.0	.156
.1500	.9956	5.0	783.8	1079.	26.3	35.0	1.33	12.448	29.7	369.4	.165
.1600	.9959	4.7	806.2	1025.	27.9	35.7	1.28	12.475	29.9	372.2	.175
.1700	.9962	4.4	828.6	976.	29.4	36.3	1.23	12.499	30.1	376.0	.185
.1800	.9964	4.1	850.9	932.	31.0	36.9	1.19	12.521	30.3	379.9	.195
.1900	.9967	3.9	873.3	892.	32.5	37.6	1.16	12.540	30.5	382.8	.204
.2000	.9969	3.7	895.7	855.	34.1	38.2	1.12	12.560	30.7	385.3	.214
.2100	.9971	3.6	918.1	821.	35.7	38.8	1.09	12.580	30.8	388.0	.223
.2200	.9972	3.4	940.4	790.	37.3	39.4	1.06	12.594	31.0	390.1	.233
.2300	.9974	3.2	962.9	761.	38.8	40.0	1.03	12.611	31.1	392.4	.243
.2400	.9975	3.1	985.2	734.	40.5	40.7	1.00	12.626	31.3	394.5	.252
.2500	.9977	3.0	1007.6	709.	42.2	41.3	.98	12.642	31.4	396.6	.262
.2600	.9978	2.9	1030.0	686.	43.8	42.0	.96	12.654	31.5	398.2	.271
.2700	.9979	2.8	1052.4	664.	45.5	42.6	.94	12.667	31.6	400.0	.281
.2800	.9980	2.7	1074.8	643.	47.2	43.2	.92	12.679	31.7	401.7	.290
.2900	.9981	2.6	1097.2	624.	48.9	43.9	.90	12.690	31.8	403.2	.300
.3000	.9982	2.5	1119.6	606.	50.6	44.6	.88	12.705	31.9	404.9	.310
.3100	.9983	2.4	1141.9	589.	52.3	45.3	.87	12.715	32.0	406.3	.319
.3200	.9983	2.3	1164.3	573.	54.0	45.9	.85	12.725	32.0	407.7	.329
.3300	.9984	2.2	1186.7	557.	55.8	46.6	.84	12.732	32.1	408.7	.338
.3400	.9985	2.2	1209.1	543.	57.6	47.3	.82	12.740	32.1	409.7	.348
.3500	.9985	2.1	1231.5	529.	59.4	48.1	.81	12.752	32.2	411.1	.357
.3600	.9986	2.1	1253.9	516.	61.2	48.8	.80	12.757	32.3	411.9	.367
.3700	.9987	2.0	1276.3	503.	63.0	49.5	.79	12.765	32.4	413.0	.376
.3800	.9987	2.0	1298.6	492.	64.9	50.3	.77	12.776	32.4	414.3	.386
.3900	.9988	1.9	1321.0	480.	66.8	51.0	.76	12.780	32.5	414.8	.395
.4000	.9988	1.9	1343.4	469.	68.7	51.9	.75	12.788	32.5	415.9	.405
.4100	.9989	1.8	1365.8	459.	70.7	52.7	.75	12.797	32.6	417.0	.414
.4200	.9989	1.8	1388.2	449.	72.6	53.5	.74	12.801	32.6	417.6	.423
.4300	.9990	1.7	1410.6	440.	74.6	54.4	.73	12.806	32.7	418.4	.433
.4400	.9990	1.7	1433.0	431.	76.6	55.3	.72	12.816	32.7	419.9	.442
.4500	.9990	1.7	1455.3	423.	78.7	56.2	.71	12.821	32.8	420.2	.452
.4600	.9991	1.6	1477.7	414.	80.8	57.1	.71	12.824	32.8	420.6	.461
.4700	.9991	1.6	1500.1	406.	82.9	58.0	.70	12.829	32.8	421.3	.471
.4800	.9992	1.6	1522.4	398.	85.0	59.0	.69	12.837	32.9	422.3	.480
.4900	.9992	1.6	1544.9	391.	87.2	60.0	.69	12.843	32.9	422.9	.490
.5000	.9992	1.5	1567.3	383.	89.4	61.0	.68	12.844	33.0	423.2	.499
.5100	.9992	1.5	1589.7	376.	91.7	62.1	.68	12.850	33.0	423.9	.509
.5200	.9993	1.4	1612.0	370.	94.0	63.2	.67	12.854	33.0	424.4	.518
.5300	.9993	1.4	1634.4	363.	96.3	64.3	.67	12.856	33.0	424.9	.527
.5400	.9993	1.4	1656.8	357.	98.7	65.5	.66	12.862	33.1	425.5	.537
.5500	.9994	1.4	1679.2	351.	101.1	66.8	.66	12.870	33.1	426.4	.546
.5600	.9994	1.3	1701.6	345.	103.5	68.0	.66	12.870	33.1	426.6	.556
.5700	.9994	1.3	1724.0	340.	106.1	69.3	.65	12.873	33.2	426.9	.565
.5800	.9994	1.3	1746.4	334.	108.6	70.6	.65	12.878	33.2	427.6	.575
.5900	.9995	1.3	1768.7	329.	111.2	72.0	.65	12.882	33.2	428.1	.584
.6000	.9995	1.2	1791.1	324.	113.9	73.4	.64	12.884	33.2	428.3	.593
.6100	.9995	1.2	1813.5	319.	116.6	75.0	.64	12.892	33.3	429.2	.603
.6200	.9995	1.2	1835.9	314.	119.4	76.5	.64	12.892	33.3	429.4	.613
.6300	.9995	1.2	1858.3	310.	122.2	78.1	.64	12.896	33.3	429.9	.622
.6400	.9996	1.2	1880.7	305.	125.2	79.7	.64	12.880	33.3	429.3	.631
.6500	.9996	1.2	1903.1	301.	128.1	81.6	.64	12.900	33.4	430.4	.640
.6600	.9996	1.1	1925.4	296.	131.1	83.4	.64	12.900	33.4	431.1	.650
.6700	.9996	1.1	1947.8	292.	134.2	85.3	.64	12.911	33.4	431.0	.659
.6800	.9996	1.1	1970.2	288.	137.5	87.3	.64	12.914	33.5	432.0	.668
.6900	.9996	1.1	1992.6	284.	140.8	89.4	.64	12.917	33.5	432.4	.678
.7000	.9997	1.1	2015.0	281.	144.2	91.6	.64	12.920	33.5	432.7	.688
.7100	.9997	1.1	2037.4	277.	147.7	93.9	.64	12.923	33.5	433.1	.697
.7200	.9997	1.0	2059.8	273.	151.3	96.2	.64	12.925	33.5	433.4	.706
.7300	.9997	1.0	2082.1	270.	155.0	98.7	.64	12.923	33.5	433.3	.716
.7400	.9997	1.0	2104.5	266.	158.8	101.2	.64	12.931	33.6	434.1	.725
.7500	.9997	1.0	2126.9	263.	162.8	103.8	.64	12.930	33.6	434.1	.735
.7600	.9998	1.0	2149.3	260.	166.8	107.1	.64	12.932	33.6	434.4	.744
.7700	.9998	1.0	2171.7	257.	171.1	110.2	.64	12.934	33.6	434.6	.753
.7800	.9998	1.0	2194.1	253.	175.4	113.6	.65	12.939	33.6	435.2	.763
.7900	.9998	.9	2216.5	250.	179.9	117.1	.65	12.942	33.7	435.5	.772
.8000	.9998	.9	2238.8	247.	184.7	120.7	.65	12.939	33.6	435.3	.782
.8100	.9998	.9	2261.2	245.	189.6	124.7	.66	12.944	33.7	435.8	.791
.8200	.9998	.9	2283.6	242.	194.7	128.9	.66	12.945	33.7	436.0	.801
.8300	.9998	.9	2306.0	239.	200.0	133.3	.67	12.948	33.7	436.1	.810
.8400	.9999	.9	2328.4	236.	205.8	138.3	.67	12.954	33.7	436.7	.819
.8500	.9999	.9	2350.8	234.	211.4	143.3	.68	12.951	33.7	436.9	.829
.8600	.9999	.9	2373.2	231.	217.5	148.9	.68	12.956	33.8	437.3	.838
.8700	.9999	.9	2395.5	229.	223.9	154.0	.69	12.959	33.8	437.6	.847
.8800	.9999	.8	2417.9	226.	230.8	161.3	.70	12.956	33.8	437.4	.857
.8900	.9999	.8	2440.3	224.	237.8	168.4	.71	12.962	33.8	438.0	.866
.9000	.9999	.8	2462.7	221.	245.4	176.2	.72	12.967	33.8	438.6	.876
.9100	.9999	.8	2485.1	219.	253.5	184.5	.73	12.962	33.8	438.1	.885
.9200	.9999	.8	2507.5	217.	262.2	193.7	.74	12.962	33.8	438.2	.895
.9300	.9999	.8	2529.9	215.	271.3	203.9	.75	12.965	33.8	438.5	.904
.9400	.9999	.8	2552.2	212.	281.1	215.3	.77	12.970	33.9	439.1	.913
.9500	1.0000	.8	2574.6	210.	291.9	228.0	.78	12.973	33.9	439.4	.923
.9600	1.0000	.8	2597.0	208.	303.3	242.2	.80	12.973	33.9	439.4	.932
.9700	1.0000	.8	2619.4	206.	315.8	258.6	.82	12.970	33.9	440.0	.941
.9800	1.0000	.8	2641.8	204.	329.7	278.6	.84	12.973	33.9	439.5	.951
.9900	1.0000	.8	2664.2	202.	345.0	297.8	.86	12.971	33.9	439.6	.960
1.0000	1.0000	.7	2686.6	200.	361.9	322.5	.89	12.976	33.9	439.9	.975

TABLE _ . SATURATED CRITICAL FLOW PROPERTIES

(TO 390 K (PSAT 179.5 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	945.4	490.3	6225.	3.5	14.8	4.24	10.400	14.7	152.8	.012
.0100	.9034	92.2	512.5	5476.	5.1	19.2	3.75	10.385	18.8	195.4	.021
.0200	.9498	48.8	534.6	4580.	7.0	22.7	3.25	10.501	22.0	231.5	.033
.0300	.9663	33.9	556.7	3916.	8.8	25.3	2.88	10.604	24.3	264.8	.044
.0400	.9747	24.9	578.8	3421.	10.6	27.4	2.59	10.693	26.0	278.0	.055
.0500	.9799	20.0	600.9	3039.	12.3	29.0	2.36	10.769	27.3	294.5	.066
.0600	.9834	16.7	623.0	2736.	14.0	30.5	2.18	10.835	28.4	307.4	.076
.0700	.9859	14.4	645.1	2490.	15.7	31.7	2.01	10.892	29.2	318.5	.087
.0800	.9877	12.6	667.2	2286.	17.3	32.9	1.90	10.943	30.0	328.0	.097
.0900	.9892	11.2	689.3	2113.	19.0	33.9	1.79	10.989	30.6	336.5	.107
.1000	.9904	10.1	711.5	1965.	20.6	34.9	1.69	11.030	31.2	343.8	.117
.1100	.9913	9.2	733.6	1837.	22.3	35.8	1.61	11.066	31.6	350.7	.127
.1200	.9921	8.4	755.7	1725.	23.9	36.6	1.53	11.101	32.1	356.9	.136
.1300	.9928	7.8	777.8	1626.	25.5	37.5	1.46	11.130	32.5	361.3	.147
.1400	.9934	7.2	799.9	1538.	27.2	38.3	1.41	11.159	32.8	366.0	.157
.1500	.9939	6.8	822.0	1459.	28.8	39.0	1.35	11.186	33.1	370.4	.167
.1600	.9944	6.3	844.1	1388.	30.5	39.8	1.30	11.208	33.4	374.2	.175
.1700	.9948	6.0	866.3	1324.	32.2	40.5	1.26	11.232	33.6	377.9	.185
.1800	.9951	5.6	888.4	1266.	33.9	41.2	1.22	11.253	33.9	381.3	.196
.1900	.9954	5.3	910.4	1212.	35.6	41.9	1.18	11.272	34.1	384.4	.205
.2000	.9957	5.1	932.6	1163.	37.2	42.7	1.15	11.288	34.3	387.2	.215
.2100	.9960	4.8	954.7	1118.	38.9	43.4	1.11	11.305	34.5	389.8	.225
.2200	.9962	4.6	976.8	1076.	40.7	44.1	1.08	11.321	34.6	392.2	.234
.2300	.9964	4.4	998.9	1037.	42.4	44.8	1.06	11.336	34.8	394.5	.244
.2400	.9966	4.2	1021.0	1001.	44.1	45.4	1.03	11.351	35.0	396.9	.253
.2500	.9968	4.1	1043.1	967.	45.9	46.2	1.01	11.369	35.1	398.8	.263
.2600	.9969	3.9	1065.2	936.	47.6	46.9	.98	11.375	35.2	400.7	.273
.2700	.9971	3.8	1087.3	907.	49.4	47.6	.96	11.389	35.4	402.5	.283
.2800	.9972	3.6	1109.4	879.	51.2	48.3	.94	11.399	35.5	404.2	.293
.2900	.9974	3.5	1131.6	853.	53.0	49.1	.93	11.411	35.6	406.2	.301
.3000	.9975	3.4	1153.7	829.	54.8	49.8	.91	11.421	35.7	407.6	.311
.3100	.9976	3.3	1175.8	806.	56.7	50.5	.89	11.429	35.8	408.9	.320
.3200	.9977	3.2	1197.9	784.	58.5	51.3	.88	11.438	35.9	410.3	.330
.3300	.9978	3.1	1220.0	763.	60.4	52.0	.86	11.446	36.0	411.6	.340
.3400	.9979	3.0	1242.1	743.	62.3	52.8	.85	11.456	36.1	413.0	.349
.3500	.9980	2.9	1264.2	725.	64.2	53.7	.84	11.463	36.1	414.1	.358
.3600	.9981	2.8	1286.3	707.	66.1	54.5	.82	11.471	36.2	415.3	.368
.3700	.9982	2.8	1308.4	690.	68.1	55.3	.81	11.477	36.3	416.4	.377
.3800	.9982	2.7	1330.6	674.	70.1	56.2	.80	11.482	36.3	417.5	.386
.3900	.9983	2.6	1352.7	659.	72.1	57.0	.79	11.494	36.4	418.6	.396
.4000	.9984	2.5	1374.8	644.	74.1	57.9	.78	11.501	36.5	419.7	.405
.4100	.9984	2.5	1396.9	630.	76.2	58.8	.77	11.505	36.5	420.3	.415
.4200	.9985	2.4	1419.0	617.	78.3	59.7	.76	11.511	36.6	421.2	.424
.4300	.9986	2.4	1441.1	604.	80.4	60.7	.76	11.517	36.6	422.0	.434
.4400	.9986	2.3	1463.2	592.	82.5	61.7	.75	11.525	36.7	423.0	.443
.4500	.9987	2.3	1485.3	580.	84.7	62.6	.74	11.528	36.8	423.7	.452
.4600	.9987	2.2	1507.4	568.	86.9	63.7	.73	11.535	36.8	424.7	.462
.4700	.9988	2.2	1529.5	558.	89.1	64.7	.73	11.540	36.9	425.5	.471
.4800	.9988	2.1	1551.7	547.	91.4	65.8	.72	11.544	36.9	426.0	.481
.4900	.9989	2.1	1573.8	537.	93.6	66.9	.71	11.548	37.0	426.7	.490
.5000	.9989	2.0	1595.9	527.	96.0	68.0	.71	11.552	37.0	427.3	.500
.5100	.9990	2.0	1618.0	518.	98.3	69.2	.70	11.560	37.0	428.3	.509
.5200	.9990	2.0	1640.1	509.	100.8	70.4	.70	11.561	37.1	428.5	.518
.5300	.9990	1.9	1662.2	500.	103.2	71.7	.69	11.566	37.1	429.2	.528
.5400	.9991	1.9	1684.3	491.	105.7	73.0	.69	11.569	37.1	429.9	.537
.5500	.9991	1.9	1706.4	483.	108.2	74.3	.69	11.573	37.2	430.3	.547
.5600	.9992	1.8	1728.5	475.	110.8	75.7	.68	11.577	37.2	430.9	.556
.5700	.9992	1.8	1750.7	468.	113.5	77.1	.68	11.580	37.3	431.4	.565
.5800	.9992	1.8	1772.8	460.	116.1	78.5	.68	11.584	37.3	432.0	.575
.5900	.9993	1.7	1794.9	453.	118.9	80.1	.67	11.588	37.3	432.5	.584
.6000	.9993	1.7	1817.0	446.	121.7	81.7	.67	11.591	37.4	433.3	.594
.6100	.9993	1.7	1839.1	439.	124.5	83.3	.67	11.594	37.4	433.4	.603
.6200	.9993	1.6	1861.3	433.	127.4	85.0	.67	11.604	37.5	434.6	.612
.6300	.9994	1.6	1883.4	427.	130.4	86.8	.67	11.604	37.5	434.7	.622
.6400	.9994	1.6	1905.5	420.	133.4	88.6	.66	11.607	37.5	435.1	.631
.6500	.9994	1.6	1927.5	414.	136.6	90.4	.66	11.607	37.5	435.2	.641
.6600	.9994	1.5	1949.7	409.	139.8	92.4	.66	11.610	37.5	435.7	.650
.6700	.9995	1.5	1971.8	403.	143.0	94.5	.66	11.613	37.6	436.1	.659
.6800	.9995	1.5	1993.9	397.	146.4	96.6	.66	11.614	37.6	436.3	.669
.6900	.9995	1.5	2016.0	392.	149.8	98.9	.66	11.618	37.6	436.8	.678
.7000	.9995	1.5	2038.1	387.	153.3	101.2	.66	11.619	37.6	437.0	.687
.7100	.9996	1.4	2060.2	382.	157.0	103.7	.66	11.623	37.6	437.5	.697
.7200	.9996	1.4	2082.3	377.	160.7	106.2	.66	11.624	37.7	437.7	.706
.7300	.9996	1.4	2104.4	372.	164.5	109.0	.66	11.628	37.7	438.2	.715
.7400	.9996	1.4	2126.5	367.	168.5	111.8	.66	11.629	37.7	438.3	.725
.7500	.9996	1.4	2148.6	363.	172.6	114.8	.67	11.633	37.7	438.9	.734
.7600	.9997	1.3	2170.8	358.	176.8	117.9	.67	11.633	37.8	439.2	.744
.7700	.9997	1.3	2192.9	354.	181.1	121.2	.67	11.637	37.8	439.4	.753
.7800	.9997	1.3	2215.0	350.	185.6	124.7	.67	11.638	37.8	439.9	.763
.7900	.9997	1.3	2237.1	345.	190.2	128.3	.68	11.644	37.8	440.5	.772
.8000	.9997	1.3	2259.2	341.	195.1	132.1	.68	11.647	37.8	440.8	.781
.8100	.9997	1.3	2281.3	337.	200.1	136.3	.68	11.644	37.8	440.9	.791
.8200	.9998	1.3	2303.4	334.	205.3	140.9	.69	11.648	37.9	441.1	.800
.8300	.9998	1.3	2325.5	330.	210.9	145.6	.69	11.649	37.9	441.4	.809
.8400	.9998	1.3	2347.6	326.	216.4	150.7	.70	11.651	37.9	441.5	.819
.8500	.9998	1.2	2369.8	322.	222.4	156.1	.70	11.654	37.9	441.8	.828
.8600	.9998	1.2	2391.9	319.	228.6	161.9	.71	11.656	37.9	442.2	.837
.8700	.9998	1.2	2414.0	315.	235.0	168.1	.72	11.659	38.0	442.5	.847
.8800	.9999	1.2	2436.1	312.	241.9	174.8	.72	11.662	38.0	443.0	.856
.8900	.9999	1.2	2458.3	309.	249.1	182.0	.73	11.661	38.0	442.9	.866
.9000	.9999	1.1	2480.4	306.	256.7	189.9	.74	11.662	38.0	443.1	.875
.9100	.9999	1.1	2502.5	302.	264.7	198.6	.75	11.667	38.0	443.7	.884
.9200	.9999	1.1	2524.5	299.	273.3	207.9	.76	11.666	38.0	443.6	.894
.9300	.9999	1.1	2546.6	296.	282.4	218.2	.77	11.670	38.1	444.1	.903
.9400	.9999	1.1	2568.8	293.	292.2	229.4	.79	11.668	38.1	444.0	.913
.9500	.9999	1.1	2590.9	290.	302.6	242.1	.80	11.670	38.1	444.2	.923
.9600	1.0000	1.1	2613.0	287.	313.9	256.1	.82	11.670	38.1	444.2	.932
.9700	1.0000	1.1	2635.1	285.	326.0	272.9	.83	11.673	38.1	444.4	.942
.9800	1.0000	1.0	2657.3	282.	339.2	292.8	.85	11.675	38.1	444.5	.951
.9900	1.0000	1.0	2679.3	279.	353.8	314.0	.88	11.676	38.1	444.7	.961
1.0000	1.0000	1.0	2701.4	276.	369.7	333.5	.90	11.680	38.1	445.0	.970

TABLE . . SATURATED CRITICAL FLOW PROPERTIES

(TO 400 K (PSAT 245.6 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	937.2	532.9	7329.	4.4	17.3	3.88	9.457	17.0	161.2	.013
.0100	.8737	119.6	554.7	6631.	6.1	21.5	3.51	9.430	21.1	198.7	.023
.0200	.9332	63.9	576.5	5649.	8.1	25.2	3.11	9.516	24.4	232.4	.034
.0300	.9540	43.6	598.4	4943.	10.0	28.0	2.79	9.601	26.8	257.7	.045
.0400	.9661	33.1	620.2	4345.	11.9	30.2	2.53	9.675	28.7	277.5	.056
.0500	.9730	26.6	642.0	3909.	13.8	32.1	2.33	9.741	30.1	293.6	.067
.0600	.9776	22.3	663.8	3541.	15.6	33.7	2.16	9.797	31.3	306.8	.078
.0700	.9810	19.2	685.7	3238.	17.4	35.1	2.02	9.849	32.3	318.2	.088
.0800	.9835	16.8	707.5	2994.	19.2	36.3	1.90	9.893	33.1	327.8	.098
.0900	.9854	15.0	729.3	2768.	21.0	37.5	1.79	9.933	33.9	336.3	.108
.1000	.9870	13.5	751.1	2581.	22.7	38.6	1.70	9.970	34.5	343.7	.118
.1100	.9883	12.3	773.0	2419.	24.5	39.6	1.62	10.004	35.0	350.5	.128
.1200	.9894	11.3	794.8	2276.	26.2	40.6	1.55	10.034	35.5	356.4	.138
.1300	.9903	10.4	816.6	2150.	28.0	41.5	1.48	10.061	36.0	361.8	.148
.1400	.9911	9.7	838.5	2037.	29.8	42.4	1.42	10.086	36.3	366.6	.159
.1500	.9918	9.1	860.3	1935.	31.5	43.3	1.37	10.111	36.7	371.2	.169
.1600	.9924	8.5	882.1	1844.	33.3	44.1	1.32	10.132	37.0	375.2	.178
.1700	.9929	8.0	903.9	1760.	35.1	44.9	1.28	10.153	37.3	379.0	.187
.1800	.9934	7.6	925.8	1684.	36.9	45.7	1.24	10.171	37.6	382.5	.197
.1900	.9938	7.2	947.6	1615.	38.7	46.5	1.20	10.189	37.9	385.7	.207
.2000	.9942	6.8	969.4	1551.	40.5	47.3	1.17	10.205	38.1	388.7	.216
.2100	.9945	6.5	991.2	1492.	42.3	48.1	1.14	10.221	38.3	391.5	.226
.2200	.9948	6.2	1013.1	1437.	44.1	48.9	1.11	10.235	38.5	394.1	.235
.2300	.9951	5.9	1034.9	1386.	45.9	49.7	1.08	10.248	38.7	396.6	.245
.2400	.9954	5.7	1056.7	1339.	47.8	50.5	1.06	10.262	38.9	398.8	.255
.2500	.9956	5.5	1078.6	1295.	49.6	51.2	1.03	10.274	39.0	401.0	.264
.2600	.9959	5.2	1100.4	1253.	51.5	52.0	1.01	10.286	39.2	403.0	.274
.2700	.9961	5.1	1122.2	1215.	53.3	52.8	.99	10.297	39.3	404.8	.283
.2800	.9963	4.9	1144.0	1179.	55.2	53.6	.97	10.307	39.5	406.6	.293
.2900	.9964	4.7	1165.9	1144.	57.0	54.4	.95	10.317	39.6	408.3	.302
.3000	.9966	4.5	1187.7	1112.	58.9	55.3	.93	10.327	39.7	410.1	.312
.3100	.9968	4.4	1209.5	1081.	61.1	56.1	.92	10.336	39.8	411.8	.321
.3200	.9969	4.3	1231.3	1052.	63.1	57.0	.90	10.345	39.9	413.4	.331
.3300	.9970	4.1	1253.2	1025.	65.0	57.8	.89	10.353	40.0	414.9	.340
.3400	.9972	4.0	1275.0	999.	67.1	58.6	.87	10.358	40.1	416.5	.350
.3500	.9973	3.9	1296.8	974.	69.1	59.6	.86	10.368	40.2	417.9	.359
.3600	.9974	3.8	1318.7	951.	71.1	60.4	.85	10.374	40.3	419.3	.369
.3700	.9975	3.7	1340.5	928.	73.2	61.4	.84	10.382	40.4	420.6	.378
.3800	.9976	3.6	1362.3	907.	75.3	62.3	.83	10.386	40.5	421.9	.388
.3900	.9977	3.5	1384.1	887.	77.4	63.3	.82	10.393	40.6	423.2	.397
.4000	.9978	3.4	1406.0	869.	79.5	64.2	.81	10.400	40.6	424.6	.406
.4100	.9979	3.3	1427.8	849.	81.7	65.2	.80	10.407	40.7	425.8	.416
.4200	.9980	3.3	1449.6	831.	83.9	66.2	.79	10.412	40.8	427.0	.425
.4300	.9981	3.2	1471.4	814.	86.1	67.3	.78	10.417	40.9	428.2	.435
.4400	.9981	3.1	1493.3	797.	88.4	68.3	.77	10.424	40.9	429.4	.444
.4500	.9982	3.0	1515.1	782.	90.7	69.4	.77	10.427	41.0	430.5	.454
.4600	.9983	3.0	1536.9	766.	93.0	70.5	.76	10.432	41.0	431.6	.463
.4700	.9984	2.9	1558.7	752.	95.3	71.7	.75	10.437	41.1	432.7	.472
.4800	.9984	2.8	1580.6	738.	97.7	72.8	.75	10.440	41.1	433.8	.482
.4900	.9985	2.8	1602.4	724.	100.1	74.1	.74	10.445	41.2	434.9	.491
.5000	.9985	2.7	1624.2	711.	102.6	75.3	.73	10.449	41.2	436.0	.500
.5100	.9986	2.7	1646.1	699.	105.0	76.6	.73	10.455	41.3	437.1	.510
.5200	.9987	2.6	1667.9	687.	107.6	77.9	.72	10.460	41.4	438.2	.519
.5300	.9987	2.6	1689.7	675.	110.1	79.3	.72	10.465	41.4	439.3	.529
.5400	.9988	2.5	1711.5	664.	112.7	80.7	.72	10.468	41.5	440.4	.538
.5500	.9988	2.5	1733.4	653.	115.4	82.1	.71	10.470	41.5	441.4	.547
.5600	.9989	2.4	1755.2	642.	118.1	83.6	.71	10.476	41.5	442.5	.557
.5700	.9989	2.4	1777.0	632.	120.9	85.1	.70	10.476	41.6	443.6	.566
.5800	.9990	2.4	1798.8	622.	123.7	86.7	.70	10.480	41.6	444.6	.576
.5900	.9990	2.3	1820.7	612.	126.5	88.5	.70	10.489	41.7	445.7	.585
.6000	.9990	2.3	1842.5	603.	129.4	[illegible]	.70	10.489	41.7	446.7	.594
.6100	.9991	2.2	1864.3	594.	132.4		.69	10.490	41.7	447.7	.604
.6200	.9991	2.2	1886.2	585.	135.5		.69	10.493	41.8	448.8	.613
.6300	.9991	2.2	1908.0	577.	138.5		.69	10.498	41.8	449.8	.623
.6400	.9992	2.1	1929.8	568.	141.7		.69	10.501	41.8	450.8	.632
.6500	.9992	2.1	1951.6	560.	144.9	99.9	.69	10.509	41.9	451.8	.641
.6600	.9992	2.1	1973.5	552.	148.2	101.7	.69	10.504	41.9	452.9	.651
.6700	.9993	2.0	1995.3	545.	151.6	104.0	.69	10.510	41.9	453.9	.660
.6800	.9993	2.0	2017.1	538.	155.0	106.2	.68	10.510	41.9	454.8	.669
.6900	.9993	2.0	2038.9	530.	158.5	108.6	.68	10.512	42.0	455.8	.679
.7000	.9994	2.0	2060.8	523.	162.3	111.1	.68	10.514	42.0	456.8	.688
.7100	.9994	1.9	2082.6	517.	166.0	113.8	.69	10.518	42.0	457.8	.697
.7200	.9994	1.9	2104.4	510.	169.9	116.4	.69	10.520	42.1	458.8	.707
.7300	.9995	1.9	2126.3	503.	173.9	119.3	.69	10.522	42.1	459.8	.716
.7400	.9995	1.8	2148.1	497.	178.0	122.3	.69	10.525	42.1	460.7	.725
.7500	.9995	1.8	2169.9	491.	182.1	125.6	.69	10.527	42.1	461.6	.734
.7600	.9995	1.8	2191.7	485.	186.5	128.9	.69	10.529	42.2	462.6	.743
.7700	.9996	1.8	2213.6	479.	190.9	132.4	.69	10.530	42.2	463.5	.753
.7800	.9996	1.7	2235.4	473.	195.5	136.1	.70	10.533	42.2	464.4	.762
.7900	.9996	1.7	2257.2	468.	200.3	140.0	.70	10.537	42.2	465.3	.771
.8000	.9996	1.7	2279.0	462.	205.2	144.1	.70	10.539	42.3	466.2	.781
.8100	.9997	1.7	2300.9	457.	210.4	148.4	.71	10.539	42.3	467.1	.790
.8200	.9997	1.6	2322.7	452.	215.7	153.0	.71	10.541	42.3	468.0	.800
.8300	.9997	1.6	2344.5	447.	221.2	157.9	.71	10.542	42.3	468.9	.809
.8400	.9997	1.6	2366.4	442.	226.9	163.2	.72	10.544	42.3	469.8	.818
.8500	.9997	1.6	2388.2	437.	232.9	168.8	.73	10.543	42.4	470.7	.827
.8600	.9998	1.6	2410.0	432.	239.2	174.7	.73	10.547	42.4	471.6	.837
.8700	.9998	1.6	2431.8	427.	245.7	181.2	.74	10.550	42.4	472.5	.846
.8800	.9998	1.6	2453.7	423.	252.6	188.0	.74	10.551	42.4	473.4	.856
.8900	.9998	1.5	2475.5	418.	259.8	195.5	.75	10.555	42.4	474.3	.865
.9000	.9998	1.5	2497.3	414.	267.4	203.4	.75	10.554	42.4	475.2	.874
.9100	.9999	1.5	2519.1	410.	275.4	212.1	.77	10.556	42.5	476.2	.884
.9200	.9999	1.5	2541.0	406.	283.9	221.7	.78	10.560	42.5	477.1	.893
.9300	.9999	1.5	2562.8	402.	292.9	231.9	.79	10.559	42.5	478.0	.903
.9400	.9999	1.5	2584.6	397.	302.5	243.2	.80	10.562	42.5	478.9	.912
.9500	.9999	1.4	2606.5	394.	312.6	255.8	.82	10.56[illegible]	42.5	479.8	.921
.9600	.9999	1.4	2628.3	390.	323.5	269.5	.83	10.563	42.5	480.7	.930
.9700	1.0000	1.4	2650.1	386.	335.4	284.9	.85	10.567	42.6	481.6	.939
.9800	1.0000	1.4	2671.9	382.	348.2	302.0	.87	10.566	42.6	482.5	.949
.9900	1.0000	1.4	2693.8	378.	362.0	321.4	.89	10.567	42.6	483.4	.958
1.0000	1.0000	1.4	2715.6	375.	377.7	343.3	.91	10.567	42.6	484.1	.967

TABLE 1. SATURATED CRITICAL FLOW PROPERTIES

(TO 410 K (PSAT 180.3 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	KF
0.0000	0.0000	928.7	575.6	8541.	5.6	19.9	3.58	8.644	19.6	169.3	.016
.0100	.8385	151.5	597.1	7895.	7.3	24.0	3.29	8.607	23.5	202.6	.024
.0200	.9170	81.1	618.2	6970.	9.4	27.8	2.97	8.577	27.3	235.7	.036
.0300	.9458	56.0	640.2	6116.	11.4	30.8	2.70	8.741	30.5	264.7	.047
.0400	.9594	43.4	662.2	5446.	13.4	33.2	2.49	8.805	33.1	287.9	.056
.0500	.9663	34.9	683.3	4929.	15.4	35.2	2.29	8.859	35.1	299.0	.064
.0600	.9704	29.2	704.8	4493.	17.3	37.0	2.13	8.905	36.4	306.3	.079
.0700	.9728	25.1	727.0	4128.	19.3	38.6	2.00	8.933	38.5	317.6	.089
.0800	.9751	22.0	749.0	3811.	21.3	40.2	1.89	8.902	38.4	327.4	.100
.0900	.9807	19.6	770.4	3556.	23.3	41.2	1.79	9.078	37.2	335.9	.110
.1000	.9828	17.8	790.9	3326.	24.9	42.4	1.70	9.060	37.9	343.5	.120
.1100	.9843	16.2	812.5	3125.	26.5	43.6	1.63	9.090	38.5	350.3	.130
.1200	.9859	14.9	834.0	2947.	28.7	44.7	1.56	9.118	39.1	356.6	.140
.1300	.9871	13.7	855.5	2788.	30.6	45.7	1.50	9.145	39.6	362.0	.150
.1400	.9882	12.8	877.1	2647.	32.6	46.7	1.44	9.169	40.0	367.1	.159
.1500	.9891	11.9	898.6	2519.	34.3	47.6	1.39	9.189	40.4	371.6	.169
.1600	.9899	11.2	920.1	2403.	36.2	48.6	1.34	9.207	40.8	375.9	.179
.1700	.9906	10.5	941.7	2297.	38.2	49.5	1.30	9.225	41.2	379.7	.189
.1800	.9912	10.0	963.2	2201.	40.0	50.4	1.26	9.241	41.5	383.4	.198
.1900	.9918	9.4	984.7	2113.	41.9	51.3	1.22	9.256	41.8	386.7	.208
.2000	.9923	9.0	1006.3	2030.	43.8	52.2	1.19	9.273	42.0	389.8	.218
.2100	.9927	8.5	1027.8	1955.	45.7	53.0	1.16	9.288	42.3	392.7	.227
.2200	.9931	8.2	1049.3	1885.	47.6	53.9	1.13	9.300	42.5	395.3	.237
.2300	.9935	7.8	1070.9	1819.	49.6	54.8	1.10	9.314	42.7	398.1	.246
.2400	.9939	7.5	1092.6	1759.	51.5	55.6	1.08	9.326	42.9	400.4	.256
.2500	.9942	7.2	1114.0	1702.	53.5	56.5	1.06	9.337	43.1	402.7	.265
.2600	.9945	6.9	1135.5	1649.	55.5	57.4	1.03	9.347	43.3	404.7	.275
.2700	.9948	6.7	1157.0	1599.	57.5	58.3	1.01	9.359	43.5	406.8	.284
.2800	.9950	6.4	1178.6	1552.	59.5	59.2	.99	9.368	43.6	408.5	.294
.2900	.9953	6.2	1200.1	1507.	61.5	60.1	.98	9.377	43.8	410.6	.303
.3000	.9955	6.0	1221.6	1466.	63.5	61.0	.96	9.386	43.9	412.3	.313
.3100	.9957	5.8	1243.2	1426.	65.6	61.8	.94	9.392	44.0	413.6	.322
.3200	.9959	5.6	1264.9	1388.	67.7	62.7	.93	9.401	44.2	415.5	.332
.3300	.9961	5.5	1286.6	1353.	69.8	63.7	.91	9.410	44.3	416.9	.341
.3400	.9963	5.3	1308.4	1319.	71.9	64.7	.90	9.419	44.4	418.2	.351
.3500	.9964	5.1	1329.3	1287.	74.0	65.7	.89	9.425	44.5	419.3	.360
.3600	.9966	5.0	1350.8	1257.	76.2	66.7	.88	9.432	44.6	421.1	.369
.3700	.9967	4.9	1372.4	1228.	78.3	67.7	.86	9.437	44.7	421.8	.379
.3800	.9968	4.7	1393.9	1202.	80.5	68.7	.85	9.445	44.8	423.2	.388
.3900	.9970	4.6	1415.4	1176.	82.8	69.7	.84	9.451	44.9	424.3	.398
.4000	.9971	4.5	1437.0	1148.	85.0	70.8	.83	9.459	45.0	425.6	.407
.4100	.9972	4.4	1458.5	1123.	87.3	71.9	.82	9.462	45.1	426.8	.416
.4200	.9973	4.3	1480.0	1100.	89.6	73.0	.81	9.469	45.2	427.6	.426
.4300	.9974	4.2	1501.6	1078.	91.9	74.1	.81	9.473	45.3	428.7	.435
.4400	.9975	4.1	1523.1	1056.	94.2	75.2	.80	9.479	45.3	429.3	.445
.4500	.9976	4.0	1544.6	1036.	96.7	76.5	.79	9.483	45.4	430.7	.454
.4600	.9977	3.9	1566.2	1018.	99.1	77.7	.78	9.487	45.5	431.5	.463
.4700	.9978	3.8	1587.7	997.	101.6	78.9	.78	9.490	45.6	432.1	.473
.4800	.9979	3.8	1609.2	978.	104.0	80.2	.77	9.496	45.6	433.0	.482
.4900	.9980	3.7	1630.8	961.	106.5	81.5	.77	9.500	45.7	433.6	.491
.5000	.9981	3.6	1652.3	944.	109.1	82.8	.76	9.503	45.7	434.6	.501
.5100	.9981	3.5	1673.8	927.	111.7	84.3	.75	9.509	45.8	435.4	.510
.5200	.9982	3.5	1695.4	911.	114.3	85.7	.75	9.512	45.9	436.1	.519
.5300	.9983	3.4	1716.9	896.	117.0	87.1	.74	9.516	45.9	436.7	.529
.5400	.9983	3.3	1738.4	881.	119.7	88.5	.74	9.519	46.0	437.5	.538
.5500	.9984	3.3	1760.0	867.	122.5	90.2	.74	9.523	46.0	438.2	.547
.5600	.9985	3.2	1781.5	853.	125.3	91.8	.73	9.526	46.1	438.8	.557
.5700	.9985	3.2	1803.0	839.	128.2	93.5	.73	9.529	46.1	439.4	.566
.5800	.9986	3.1	1824.6	826.	131.1	95.2	.73	9.532	46.2	439.8	.576
.5900	.9986	3.1	1846.1	814.	134.1	96.9	.72	9.535	46.2	440.4	.585
.6000	.9987	3.0	1867.6	801.	137.1	98.8	.72	9.538	46.2	441.0	.594
.6100	.9988	3.0	1889.2	789.	140.2	100.7	.72	9.541	46.3	441.5	.603
.6200	.9988	2.9	1910.7	778.	143.3	102.6	.72	9.544	46.3	442.2	.613
.6300	.9989	2.9	1932.2	767.	146.5	104.6	.71	9.546	46.4	442.8	.622
.6400	.9989	2.8	1953.8	756.	149.8	106.7	.71	9.549	46.4	443.3	.631
.6500	.9990	2.8	1975.3	746.	153.2	109.0	.71	9.553	46.4	443.7	.641
.6600	.9990	2.7	1996.8	736.	156.6	111.2	.71	9.556	46.5	444.3	.650
.6700	.9990	2.7	2018.4	727.	160.1	113.5	.71	9.558	46.5	444.7	.659
.6800	.9991	2.7	2039.9	718.	163.7	116.0	.71	9.559	46.5	444.9	.669
.6900	.9991	2.6	2061.5	709.	167.4	118.5	.71	9.560	46.6	445.2	.678
.7000	.9992	2.6	2083.0	698.	171.1	121.3	.71	9.566	46.6	446.0	.687
.7100	.9992	2.5	2104.5	687.	175.0	124.0	.71	9.567	46.6	446.3	.697
.7200	.9992	2.4	2126.1	678.	178.9	126.9	.71	9.571	46.7	446.8	.706
.7300	.9993	2.4	2147.6	670.	182.9	129.9	.71	9.573	46.7	447.1	.715
.7400	.9993	2.4	2169.1	662.	187.0	133.0	.71	9.574	46.8	447.3	.725
.7500	.9994	2.4	2190.7	654.	191.4	136.5	.71	9.577	46.8	448.1	.734
.7600	.9994	2.4	2212.2	646.	195.8	140.0	.71	9.579	46.8	448.6	.743
.7700	.9994	2.3	2233.7	638.	200.4	143.7	.72	9.581	46.9	448.9	.753
.7800	.9995	2.3	2255.3	630.	205.2	147.5	.72	9.583	46.9	449.2	.762
.7900	.9995	2.3	2276.8	623.	210.0	151.5	.72	9.583	46.9	449.5	.771
.8000	.9995	2.3	2298.3	616.	215.0	155.8	.72	9.584	46.9	449.5	.780
.8100	.9995	2.2	2319.9	609.	220.3	160.3	.73	9.585	46.9	449.7	.790
.8200	.9996	2.2	2341.4	602.	225.7	165.0	.73	9.589	47.0	450.3	.799
.8300	.9996	2.2	2362.9	595.	231.3	170.0	.74	9.589	47.0	450.3	.808
.8400	.9996	2.2	2384.5	589.	237.2	175.5	.74	9.592	47.0	450.8	.817
.8500	.9997	2.1	2406.0	582.	243.8	181.4	.75	9.595	47.0	451.5	.827
.8600	.9997	2.1	2427.5	576.	249.4	187.5	.75	9.595	47.0	451.4	.836
.8700	.9997	2.1	2449.1	570.	255.9	194.0	.76	9.597	47.1	451.8	.845
.8800	.9997	2.1	2470.6	564.	262.8	201.0	.76	9.598	47.1	452.0	.855
.8900	.9998	2.0	2492.1	558.	270.0	208.6	.77	9.602	47.1	452.6	.864
.9000	.9998	2.0	2513.7	552.	277.6	216.6	.78	9.601	47.1	452.6	.873
.9100	.9998	2.0	2535.2	546.	285.5	225.4	.79	9.603	47.2	452.9	.883
.9200	.9998	2.0	2556.7	541.	293.9	234.8	.80	9.604	47.2	453.1	.892
.9300	.9999	1.9	2578.3	535.	302.7	245.2	.81	9.609	47.2	453.7	.901
.9400	.9999	1.9	2599.8	530.	312.1	256.3	.82	9.608	47.2	453.7	.911
.9500	.9999	1.9	2621.3	525.	322.1	268.4	.83	9.609	47.2	453.9	.920
.9600	.9999	1.9	2642.9	520.	332.7	282.2	.85	9.613	47.3	454.5	.929
.9700	.9999	1.9	2664.4	515.	344.1	298.9	.86	9.613	47.3	454.4	.939
.9800	1.0000	1.8	2685.9	510.	356.4	313.4	.88	9.613	47.3	454.6	.948
.9900	1.0000	1.8	2707.5	505.	369.6	331.9	.90	9.614	47.3	454.8	.957
1.0000	1.0000	1.8	2729.0	500.	383.9	352.6	.92	9.615	47.3	455.0	.966

TABLE 3. SATURATED CRITICAL FLOW PROPERTIES

(TO 420 K (PSAT 437.1 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	919.7	618.6	9863.	6.9	22.7	3.31	7.936	22.3	177.2	.018
.0100	.7980	187.7	639.8	9765.	8.7	26.8	3.09	7.896	26.2	206.6	.026
.0200	.8887	104.5	661.0	9297.	10.8	30.6	2.83	7.943	29.6	235.4	.033
.0300	.9236	72.4	682.3	8402.	13.0	33.8	2.60	7.999	32.3	258.0	.040
.0400	.9422	55.4	703.5	6702.	15.1	36.3	2.41	8.051	34.4	277.2	.049
.0500	.9537	44.9	724.7	5101.	17.2	38.5	2.24	8.098	36.1	292.9	.070
.0600	.9615	37.7	745.9	5597.	19.2	40.4	2.10	8.141	37.6	305.9	.080
.0700	.9671	32.5	767.2	5170.	21.3	42.1	1.98	8.179	38.8	317.1	.091
.0800	.9714	28.6	788.6	4805.	23.3	43.6	1.88	8.213	39.8	326.9	.101
.0900	.9748	25.5	809.9	4488.	25.3	45.1	1.79	8.244	40.7	335.6	.111
.1000	.9775	23.0	830.9	4211.	27.3	46.4	1.70	8.275	41.5	343.2	.121
.1100	.9797	20.9	852.1	3967.	29.3	47.7	1.63	8.301	42.2	350.1	.131
.1200	.9816	19.2	873.4	3750.	31.2	48.9	1.56	8.326	42.8	356.4	.141
.1300	.9832	17.8	894.6	3556.	33.2	50.0	1.50	8.349	43.4	362.0	.151
.1400	.9845	16.5	915.8	3381.	35.2	51.1	1.45	8.369	43.9	367.1	.161
.1500	.9857	15.5	937.0	3223.	37.2	52.2	1.40	8.389	44.3	372.0	.171
.1600	.9868	14.5	958.2	3079.	39.2	53.2	1.36	8.407	44.8	376.3	.180
.1700	.9877	13.7	979.5	2948.	41.2	54.2	1.32	8.424	45.1	380.3	.190
.1800	.9885	13.0	1000.9	2827.	43.2	55.2	1.28	8.439	45.5	383.9	.200
.1900	.9892	12.2	1022.3	2717.	45.2	56.2	1.24	8.453	45.8	387.3	.209
.2000	.9899	11.6	1043.2	2614.	47.2	57.2	1.21	8.468	46.1	390.6	.219
.2100	.9905	11.1	1064.4	2519.	49.2	58.1	1.18	8.481	46.4	393.6	.228
.2200	.9910	10.6	1085.6	2431.	51.3	59.1	1.15	8.494	46.7	396.6	.238
.2300	.9915	10.1	1106.9	2349.	53.3	60.1	1.13	8.505	46.9	399.2	.248
.2400	.9920	9.7	1128.1	2272.	55.4	61.0	1.10	8.516	47.2	401.7	.257
.2500	.9924	9.3	1149.3	2201.	57.4	62.0	1.08	8.526	47.4	404.0	.267
.2600	.9928	9.0	1170.5	2133.	59.5	62.9	1.06	8.537	47.6	406.3	.276
.2700	.9931	8.7	1191.6	2070.	61.6	63.9	1.04	8.546	47.8	408.3	.286
.2800	.9935	8.3	1212.8	2010.	63.7	64.9	1.02	8.555	48.0	410.4	.295
.2900	.9938	8.1	1234.0	1954.	65.9	65.9	1.00	8.565	48.1	412.4	.305
.3000	.9941	7.8	1255.3	1901.	68.0	66.9	.98	8.571	48.3	414.1	.314
.3100	.9943	7.5	1276.7	1850.	70.2	67.8	.97	8.580	48.5	415.8	.323
.3200	.9946	7.3	1297.9	1803.	72.3	68.8	.95	8.587	48.6	417.3	.333
.3300	.9948	7.1	1319.2	1757.	74.5	69.9	.94	8.595	48.8	419.1	.342
.3400	.9951	6.9	1340.4	1714.	76.8	70.9	.92	8.601	48.9	420.4	.352
.3500	.9953	6.7	1361.6	1673.	79.0	72.0	.91	8.606	49.0	422.0	.361
.3600	.9955	6.5	1382.9	1634.	81.2	73.1	.90	8.615	49.1	423.3	.370
.3700	.9957	6.3	1404.1	1597.	83.5	74.1	.89	8.620	49.3	424.4	.380
.3800	.9958	6.2	1425.3	1564.	85.8	75.3	.88	8.627	49.4	425.9	.389
.3900	.9960	6.0	1446.5	1529.	88.1	76.4	.87	8.632	49.5	427.0	.399
.4000	.9962	5.9	1467.8	1495.	90.5	77.5	.86	8.637	49.6	428.1	.408
.4100	.9963	5.7	1489.0	1463.	92.9	78.7	.85	8.643	49.7	429.4	.417
.4200	.9965	5.6	1510.2	1433.	95.3	79.9	.84	8.649	49.8	430.5	.427
.4300	.9966	5.5	1531.5	1405.	97.7	81.2	.83	8.651	49.9	431.5	.436
.4400	.9968	5.3	1552.7	1377.	100.2	82.4	.82	8.658	50.0	432.5	.445
.4500	.9969	5.2	1573.9	1351.	102.7	83.7	.82	8.663	50.0	433.5	.455
.4600	.9970	5.1	1595.2	1325.	105.2	85.0	.81	8.667	50.1	434.3	.464
.4700	.9971	5.0	1616.4	1301.	107.8	86.3	.80	8.670	50.2	435.1	.473
.4800	.9973	4.9	1637.6	1277.	110.4	87.7	.80	8.675	50.3	436.1	.482
.4900	.9973	4.8	1658.8	1254.	113.0	89.1	.79	8.678	50.3	436.8	.492
.5000	.9974	4.7	1680.1	1232.	115.7	90.6	.78	8.682	50.4	437.6	.501
.5100	.9975	4.6	1701.3	1211.	118.3	92.1	.78	8.688	50.5	438.6	.511
.5200	.9976	4.5	1722.5	1190.	121.1	93.6	.77	8.690	50.6	439.1	.520
.5300	.9977	4.4	1743.8	1170.	123.8	95.2	.77	8.693	50.6	439.6	.530
.5400	.9978	4.3	1765.0	1151.	126.7	96.8	.76	8.697	50.7	440.3	.539
.5500	.9979	4.3	1786.2	1133.	129.6	98.4	.76	8.700	50.7	441.3	.548
.5600	.9980	4.2	1807.5	1115.	132.5	100.2	.76	8.704	50.8	442.2	.557
.5700	.9981	4.1	1828.7	1097.	135.5	102.0	.75	8.706	50.8	442.6	.566
.5800	.9982	4.0	1849.9	1080.	138.5	103.8	.75	8.709	50.9	443.2	.576
.5900	.9982	4.0	1871.1	1064.	141.6	105.7	.75	8.713	51.0	444.0	.585
.6000	.9983	3.9	1892.4	1048.	144.7	107.7	.74	8.716	51.0	444.6	.594
.6100	.9984	3.8	1913.6	1033.	147.9	109.7	.74	8.719	51.1	445.2	.604
.6200	.9984	3.8	1934.8	1019.	151.1	111.8	.74	8.722	51.1	445.8	.613
.6300	.9985	3.7	1956.1	1003.	154.4	113.9	.74	8.726	51.2	446.4	.622
.6400	.9986	3.7	1977.3	989.	157.8	116.1	.74	8.726	51.2	446.7	.632
.6500	.9986	3.6	1998.5	975.	161.3	118.4	.73	8.730	51.2	447.4	.641
.6600	.9987	3.6	2019.8	962.	164.8	120.9	.73	8.733	51.3	448.0	.650
.6700	.9987	3.5	2041.0	949.	168.4	123.3	.73	8.734	51.4	448.3	.659
.6800	.9988	3.5	2062.2	936.	172.1	125.9	.73	8.736	51.4	448.7	.669
.6900	.9989	3.4	2083.5	924.	175.8	128.7	.73	8.739	51.4	449.3	.678
.7000	.9989	3.4	2104.7	912.	179.7	131.5	.73	8.742	51.5	449.9	.687
.7100	.9990	3.3	2125.9	900.	183.6	134.4	.73	8.744	51.5	450.2	.696
.7200	.9990	3.3	2147.1	888.	187.6	137.4	.73	8.746	51.5	450.7	.706
.7300	.9991	3.2	2168.4	878.	191.9	140.6	.73	8.747	51.6	451.0	.715
.7400	.9991	3.2	2189.6	867.	196.1	143.9	.73	8.749	51.6	451.4	.724
.7500	.9991	3.1	2210.8	857.	200.4	147.4	.74	8.751	51.6	451.7	.734
.7600	.9992	3.1	2232.1	846.	205.0	151.0	.74	8.753	51.7	452.1	.743
.7700	.9992	3.0	2253.3	836.	209.9	154.9	.74	8.756	51.7	452.5	.753
.7800	.9993	3.0	2274.5	826.	214.5	158.9	.74	8.757	51.7	452.9	.762
.7900	.9993	2.9	2295.8	817.	219.4	163.1	.74	8.759	51.8	453.3	.771
.8000	.9994	2.9	2317.0	807.	224.5	167.5	.75	8.761	51.8	453.7	.780
.8100	.9994	2.9	2338.2	798.	229.7	172.2	.75	8.762	51.8	454.1	.789
.8200	.9994	2.9	2359.4	789.	235.2	177.1	.75	8.765	51.9	454.4	.798
.8300	.9995	2.8	2380.7	781.	240.8	182.4	.76	8.765	51.9	454.7	.804
.8400	.9995	2.8	2401.9	773.	246.6	188.0	.76	8.769	51.9	455.3	.817
.8500	.9995	2.8	2423.1	764.	252.9	193.8	.77	8.769	51.9	455.4	.826
.8600	.9996	2.7	2444.4	755.	259.1	200.0	.77	8.770	52.0	455.6	.835
.8700	.9996	2.7	2465.6	747.	265.6	206.4	.78	8.773	52.0	456.0	.845
.8800	.9997	2.7	2486.8	740.	272.4	213.1	.78	8.774	52.0	456.2	.854
.8900	.9997	2.6	2508.1	733.	279.6	220.1	.79	8.777	52.1	456.9	.863
.9000	.9997	2.6	2529.3	724.	287.1	227.5	.80	8.778	52.1	457.1	.872
.9100	.9997	2.6	2550.5	717.	295.0	235.2	.81	8.778	52.1	457.6	.882
.9200	.9998	2.5	2571.7	710.	303.2	243.4	.82	8.781	52.1	457.9	.891
.9300	.9998	2.5	2593.0	703.	311.8	252.0	.83	8.783	52.2	458.0	.900
.9400	.9999	2.5	2614.2	696.	321.1	261.0	.84	8.782	52.2	458.3	.910
.9500	.9999	2.5	2635.4	690.	330.8	270.8	.85	8.784	52.2	458.3	.919
.9600	.9999	2.4	2656.7	682.	341.2	281.9	.86	8.785	52.2	458.6	.929
.9700	.9999	2.4	2677.9	676.	353.1	294.3	.88	8.788	52.3	459.0	.937
.9800	.9999	2.4	2699.1	669.	367.8	309.3	.89	8.788	52.3	459.1	.947
.9900	1.0000	2.4	2720.4	663.	386.3	328.1	.91	8.791	52.3	459.4	.956
1.0000	1.0000	2.4	2741.6	657.	390.0	341.1	.93	8.790	52.3	459.5	.966

TABLE 3 SATURATED CRITICAL FLOW PROPERTIES

(TO 430 K (PSAT 570.1 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	910.3	651.8	11273.	8.4	25.7	3.08	7.316	25.3	184.8	.020
.0100	.7527	227.4	682.7	10738.	10.2	29.7	2.90	7.275	29.0	211.0	.029
.0200	.8602	119.9	703.5	9703.	12.5	33.6	2.70	7.309	32.8	237.5	.039
.0300	.9031	80.9	724.5	8877.	14.7	36.9	2.51	7.353	36.0	259.4	.050
.0400	.9264	60.9	745.5	8093.	16.9	39.6	2.34	7.396	38.5	277.8	.061
.0500	.9407	48.8	766.4	7425.	19.1	41.9	2.19	7.436	39.3	292.5	.071
.0600	.9506	40.9	787.3	6856.	21.3	44.0	2.07	7.473	40.9	305.4	.082
.0700	.9578	35.3	808.2	6366.	23.4	45.8	1.96	7.507	42.2	316.6	.092
.0800	.9632	31.4	829.1	5942.	25.6	47.5	1.86	7.538	43.3	326.5	.103
.0900	.9675	28.5	850.0	5572.	27.7	49.1	1.77	7.565	44.3	335.0	.113
.1000	.9710	26.3	870.9	5244.	29.8	50.5	1.70	7.591	45.2	342.7	.123
.1100	.9739	24.7	891.9	4954.	31.9	51.9	1.63	7.615	45.9	349.8	.133
.1200	.9762	23.5	912.8	4694.	34.0	53.2	1.57	7.637	46.6	356.1	.143
.1300	.9783	22.5	933.7	4461.	36.0	54.5	1.51	7.657	47.3	361.8	.153
.1400	.9800	21.6	954.6	4250.	38.1	55.7	1.46	7.676	47.8	367.0	.162
.1500	.9815	20.8	975.5	4058.	40.2	56.9	1.41	7.694	48.3	371.9	.172
.1600	.9829	20.2	996.4	3883.	42.3	58.0	1.37	7.710	48.8	376.4	.182
.1700	.9841	19.5	1017.3	3723.	44.4	59.2	1.33	7.726	49.3	380.5	.192
.1800	.9851	19.0	1038.3	3576.	46.5	60.2	1.29	7.740	49.7	384.3	.201
.1900	.9861	18.5	1059.2	3440.	48.6	61.3	1.26	7.753	50.0	387.8	.211
.2000	.9869	18.0	1080.1	3314.	50.7	62.3	1.23	7.766	50.4	391.2	.220
.2100	.9877	17.6	1101.0	3197.	52.9	63.4	1.20	7.779	50.7	394.4	.230
.2200	.9884	17.2	1121.9	3088.	55.0	64.5	1.17	7.790	51.0	397.3	.239
.2300	.9890	16.9	1142.8	2986.	57.1	65.5	1.15	7.801	51.3	400.1	.249
.2400	.9896	16.6	1163.7	2891.	59.3	66.6	1.12	7.811	51.6	402.7	.259
.2500	.9901	16.3	1184.7	2802.	61.4	67.6	1.10	7.820	51.8	405.0	.268
.2600	.9906	16.1	1205.6	2718.	63.7	68.7	1.08	7.830	52.0	407.4	.277
.2700	.9911	15.8	1226.6	2639.	65.9	69.7	1.06	7.839	52.2	409.6	.287
.2800	.9914	15.6	1247.6	2565.	68.1	70.8	1.04	7.847	52.4	411.7	.296
.2900	.9919	15.3	1268.6	2495.	70.4	71.8	1.02	7.856	52.7	413.7	.306
.3000	.9923	15.0	1289.2	2428.	72.9	72.9	1.01	7.863	52.9	415.6	.315
.3100	.9927	14.7	1310.1	2365.	74.8	74.0	.99	7.871	53.0	417.4	.325
.3200	.9930	14.4	1331.1	2305.	77.1	75.1	.97	7.877	53.2	419.1	.334
.3300	.9933	14.1	1352.0	2249.	79.4	76.2	.96	7.884	53.4	420.8	.343
.3400	.9936	13.8	1372.9	2194.	81.7	77.3	.95	7.891	53.5	422.3	.353
.3500	.9939	13.6	1393.8	2143.	84.0	78.5	.93	7.896	53.7	423.7	.362
.3600	.9941	13.3	1414.7	2094.	86.4	79.7	.92	7.903	53.8	425.2	.372
.3700	.9944	13.1	1435.6	2047.	88.7	80.8	.91	7.909	53.9	426.5	.381
.3800	.9946	12.9	1456.5	2002.	91.2	82.0	.90	7.913	54.1	427.8	.390
.3900	.9948	12.7	1477.5	1959.	93.6	83.3	.89	7.920	54.2	429.2	.400
.4000	.9950	12.5	1498.4	1918.	96.0	84.5	.88	7.924	54.3	430.4	.409
.4100	.9952	12.3	1519.3	1878.	98.5	85.8	.87	7.930	54.4	431.6	.419
.4200	.9954	12.2	1540.2	1841.	101.0	87.1	.86	7.935	54.5	432.8	.428
.4300	.9956	12.0	1561.1	1804.	103.5	88.4	.85	7.939	54.6	433.9	.437
.4400	.9958	11.8	1582.0	1769.	106.1	89.7	.85	7.943	54.7	434.9	.446
.4500	.9960	11.7	1603.0	1736.	108.7	91.1	.84	7.947	54.8	435.7	.455
.4600	.9961	11.5	1623.9	1704.	111.3	92.5	.83	7.951	54.9	436.7	.465
.4700	.9963	11.4	1644.8	1672.	114.0	94.0	.82	7.956	55.0	437.8	.474
.4800	.9964	11.3	1665.7	1642.	116.7	95.5	.82	7.960	55.1	438.7	.483
.4900	.9966	11.1	1686.6	1613.	119.4	97.0	.81	7.964	55.2	439.6	.493
.5000	.9967	11.0	1707.5	1585.	122.2	98.5	.81	7.967	55.3	440.3	.502
.5100	.9968	10.9	1728.4	1559.	124.9	100.1	.80	7.972	55.4	441.4	.511
.5200	.9969	10.8	1749.4	1532.	127.8	101.8	.80	7.975	55.4	442.2	.521
.5300	.9971	10.7	1770.3	1507.	130.7	103.5	.79	7.979	55.5	443.0	.530
.5400	.9972	10.6	1791.2	1483.	133.6	105.2	.79	7.980	55.6	443.8	.539
.5500	.9973	10.5	1812.1	1459.	136.6	107.0	.78	7.985	55.7	444.4	.548
.5600	.9974	10.4	1833.0	1436.	139.6	108.8	.78	7.988	55.7	445.1	.558
.5700	.9975	10.3	1853.9	1414.	142.6	110.7	.78	7.991	55.8	445.8	.567
.5800	.9976	10.2	1874.8	1393.	145.7	112.6	.77	7.994	55.9	446.6	.576
.5900	.9977	10.1	1895.8	1373.	148.9	114.6	.77	7.996	55.9	447.1	.585
.6000	.9978	10.0	1916.7	1352.	152.1	116.7	.77	7.999	56.0	447.8	.595
.6100	.9979	9.9	1937.6	1332.	155.4	118.8	.76	8.002	56.0	448.4	.604
.6200	.9980	9.8	1958.5	1313.	158.8	121.0	.76	8.005	56.1	449.0	.613
.6300	.9981	9.8	1979.4	1294.	162.3	123.3	.76	8.007	56.1	449.6	.623
.6400	.9981	9.7	2000.3	1276.	165.7	125.7	.76	8.010	56.2	450.2	.632
.6500	.9982	9.6	2021.2	1259.	169.2	128.1	.76	8.012	56.2	450.7	.641
.6600	.9983	9.6	2042.2	1242.	172.8	130.6	.76	8.015	56.3	451.3	.650
.6700	.9984	9.5	2063.1	1225.	176.5	133.3	.75	8.017	56.4	451.8	.659
.6800	.9984	9.4	2084.0	1209.	180.3	136.0	.75	8.019	56.4	452.3	.669
.6900	.9985	9.4	2104.9	1193.	184.1	138.8	.75	8.020	56.4	452.6	.678
.7000	.9986	9.3	2125.8	1178.	188.1	141.7	.75	8.023	56.5	453.3	.687
.7100	.9986	9.2	2146.7	1163.	192.1	144.8	.75	8.026	56.5	453.7	.696
.7200	.9987	9.2	2167.6	1148.	196.3	147.9	.75	8.025	56.6	454.0	.706
.7300	.9988	9.1	2188.6	1134.	200.5	151.3	.75	8.030	56.6	454.7	.715
.7400	.9989	9.1	2209.5	1120.	204.8	154.8	.75	8.032	56.7	455.1	.724
.7500	.9989	9.0	2230.4	1107.	209.3	158.3	.76	8.033	56.7	455.4	.733
.7600	.9990	9.0	2251.3	1094.	213.9	162.1	.75	8.034	56.7	455.8	.742
.7700	.9990	8.9	2272.2	1081.	218.6	166.1	.76	8.036	56.8	456.2	.751
.7800	.9991	8.9	2293.1	1068.	223.4	170.3	.76	8.040	56.8	456.7	.761
.7900	.9991	8.8	2314.0	1056.	228.4	174.6	.76	8.042	56.9	457.3	.770
.8000	.9992	8.8	2335.0	1044.	233.6	179.1	.77	8.042	56.9	457.4	.779
.8100	.9992	8.7	2355.9	1032.	238.9	183.9	.77	8.043	56.9	457.8	.789
.8200	.9993	8.7	2376.8	1021.	244.3	189.0	.77	8.045	57.0	458.2	.798
.8300	.9993	8.6	2397.7	1009.	250.0	194.4	.78	8.048	57.0	458.7	.807
.8400	.9994	8.6	2418.6	998.	255.8	200.0	.78	8.049	57.0	459.0	.816
.8500	.9994	8.6	2439.5	988.	261.9	205.9	.79	8.050	57.0	459.2	.825
.8600	.9995	8.5	2460.5	977.	268.2	212.2	.79	8.051	57.1	459.6	.835
.8700	.9995	8.5	2481.4	967.	274.8	219.0	.80	8.054	57.1	460.1	.844
.8800	.9995	8.4	2502.3	957.	281.6	226.1	.80	8.056	57.2	460.5	.853
.8900	.9996	8.4	2523.2	947.	288.7	233.6	.81	8.058	57.2	460.8	.862
.9000	.9996	8.4	2544.1	937.	296.1	241.8	.82	8.059	57.2	461.0	.872
.9100	.9997	8.3	2565.0	928.	303.9	250.4	.82	8.058	57.2	461.2	.881
.9200	.9997	8.3	2585.9	919.	311.9	259.8	.83	8.061	57.3	461.7	.890
.9300	.9998	8.2	2606.9	909.	320.4	269.9	.84	8.063	57.3	462.1	.899
.9400	.9998	8.2	2627.8	901.	329.4	280.7	.85	8.064	57.3	462.3	.908
.9500	.9998	8.2	2648.7	893.	338.9	292.3	.86	8.064	57.3	462.4	.918
.9600	.9999	8.1	2669.6	883.	348.9	305.0	.87	8.066	57.4	462.8	.927
.9700	.9999	8.1	2690.5	875.	359.4	318.8	.89	8.067	57.4	463.0	.936
.9800	.9999	8.1	2711.4	867.	370.7	333.9	.90	8.067	57.4	463.2	.945
.9900	1.0000	8.1	2732.3	858.	382.6	350.6	.92	8.070	57.5	463.6	.954
1.0000	1.0000	8.0	2753.3	851.	395.4	368.9	.93	8.070	57.5	463.8	.964

TABLE . . SATURATED CRITICAL FLOW PROPERTIES

(TO 440 K (PSAT 733.5 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	900.5	705.3	12833.	10.1	29.0	2.87	6.768	28.4	192.3	.023
.0100	.7035	269.7	725.9	12313.	12.0	32.9	2.73	6.730	32.1	215.8	.031
.0200	.8274	159.6	746.5	11388.	14.0	36.8	2.63	6.753	35.5	239.5	.041
.0300	.8790	113.9	767.1	10455.	16.0	40.8	2.54	6.788	38.4	260.9	.052
.0400	.9073	87.3	787.7	9624.	18.0	43.5	2.41	6.823	40.7	277.4	.063
.0500	.9252	70.9	808.3	8899.	21.9	45.5	2.14	6.857	42.6	292.4	.073
.0600	.9375	59.9	828.8	8269.	23.5	47.7	2.03	6.889	44.3	305.0	.084
.0700	.9465	51.8	849.4	7719.	25.8	49.5	1.92	6.918	45.9	316.0	.094
.0800	.9535	45.7	870.0	7236.	28.0	51.5	1.84	6.945	46.9	325.4	.104
.0900	.9587	40.8	890.6	6810.	30.2	53.2	1.76	6.970	48.0	334.3	.114
.1000	.9631	36.9	911.2	6432.	32.4	54.8	1.69	6.993	48.9	342.3	.124
.1100	.9667	33.7	931.8	6093.	34.6	56.3	1.63	7.014	49.8	349.2	.134
.1200	.9697	31.0	952.4	5789.	36.8	57.7	1.57	7.033	50.6	355.5	.144
.1300	.9723	28.7	973.0	5513.	39.0	59.1	1.51	7.052	51.3	361.5	.154
.1400	.9745	26.7	993.6	5263.	41.2	60.4	1.47	7.069	51.9	366.7	.164
.1500	.9764	25.0	1014.1	5038.	43.4	61.7	1.42	7.084	52.5	371.6	.174
.1600	.9781	23.4	1034.7	4826.	45.6	62.9	1.38	7.100	53.0	376.2	.183
.1700	.9796	22.1	1055.3	4634.	47.8	64.1	1.34	7.113	53.5	380.4	.193
.1800	.9810	20.9	1075.9	4457.	50.0	65.3	1.31	7.127	53.9	384.4	.203
.1900	.9822	19.8	1096.5	4293.	52.2	66.5	1.27	7.140	54.4	388.0	.212
.2000	.9833	18.8	1117.1	4141.	54.4	67.6	1.24	7.151	54.7	391.4	.222
.2100	.9842	18.0	1137.6	3999.	56.6	68.8	1.22	7.162	55.1	394.6	.231
.2200	.9851	17.2	1158.2	3867.	58.9	69.9	1.19	7.173	55.4	397.6	.241
.2300	.9859	16.4	1178.8	3743.	61.1	71.1	1.16	7.182	55.8	400.4	.250
.2400	.9867	15.8	1199.4	3629.	63.3	72.2	1.14	7.192	56.1	403.1	.260
.2500	.9874	15.1	1220.0	3518.	65.6	73.4	1.12	7.202	56.3	405.8	.269
.2600	.9880	14.6	1240.6	3415.	67.9	74.5	1.10	7.210	56.6	408.1	.279
.2700	.9886	14.0	1261.2	3319.	70.2	75.6	1.08	7.218	56.9	410.4	.288
.2800	.9892	13.5	1281.9	3227.	72.5	76.8	1.06	7.226	57.1	412.7	.298
.2900	.9897	13.1	1302.5	3141.	74.8	78.0	1.04	7.234	57.3	414.7	.307
.3000	.9902	12.7	1323.2	3059.	77.1	79.1	1.03	7.241	57.5	416.7	.317
.3100	.9906	12.2	1343.5	2981.	79.5	80.3	1.01	7.247	57.7	418.5	.326
.3200	.9910	11.9	1364.1	2908.	81.9	81.5	1.00	7.254	57.9	420.2	.335
.3300	.9914	11.5	1384.8	2838.	84.2	82.7	.998	7.260	58.1	421.9	.345
.3400	.9918	11.2	1405.5	2771.	86.7	83.9	.987	7.267	58.3	423.5	.354
.3500	.9922	10.9	1426.2	2709.	89.1	85.1	.976	7.272	58.5	425.1	.363
.3600	.9925	10.6	1446.9	2646.	91.5	86.4	.964	7.278	58.6	426.8	.373
.3700	.9928	10.3	1467.6	2588.	94.0	87.7	.953	7.284	58.8	428.2	.382
.3800	.9931	10.0	1488.4	2532.	96.5	89.0	.942	7.289	58.9	429.6	.392
.3900	.9934	9.8	1509.2	2479.	99.0	90.3	.931	7.294	59.1	431.0	.401
.4000	.9937	9.5	1529.8	2428.	101.6	91.6	.920	7.298	59.2	432.1	.410
.4100	.9939	9.3	1549.4	2379.	104.1	93.0	.909	7.304	59.3	433.4	.419
.4200	.9942	9.1	1569.9	2332.	106.7	94.4	.898	7.307	59.5	434.5	.429
.4300	.9944	8.9	1590.5	2286.	109.4	95.8	.887	7.313	59.6	435.8	.438
.4400	.9946	8.7	1611.1	2243.	112.0	97.2	.876	7.315	59.7	436.8	.447
.4500	.9948	8.5	1631.7	2201.	114.7	98.7	.866	7.321	59.8	438.0	.456
.4600	.9950	8.3	1652.3	2161.	117.4	100.2	.855	7.325	59.9	439.0	.466
.4700	.9952	8.1	1672.9	2122.	120.1	101.7	.845	7.328	60.0	439.9	.475
.4800	.9954	7.9	1693.5	2084.	122.8	103.2	.834	7.333	60.1	440.8	.484
.4900	.9956	7.8	1714.1	2048.	125.7	104.8	.824	7.336	60.2	441.7	.493
.5000	.9958	7.6	1734.6	2013.	128.6	106.6	.813	7.339	60.3	442.7	.503
.5100	.9959	7.5	1755.2	1979.	131.5	108.3	.802	7.343	60.4	443.7	.512
.5200	.9961	7.3	1775.8	1947.	134.4	110.0	.791	7.347	60.5	444.6	.522
.5300	.9963	7.2	1796.4	1915.	137.4	111.9	.781	7.350	60.6	445.4	.530
.5400	.9964	7.1	1817.0	1885.	140.4	113.7	.771	7.353	60.7	446.2	.540
.5500	.9965	6.9	1837.6	1855.	143.5	115.6	.761	7.355	60.7	446.8	.549
.5600	.9967	6.8	1858.1	1826.	146.6	117.5	.750	7.359	60.8	447.7	.558
.5700	.9968	6.7	1878.7	1798.	149.7	119.5	.740	7.360	60.9	448.1	.567
.5800	.9969	6.6	1899.3	1771.	152.9	121.5	.730	7.364	61.0	449.0	.576
.5900	.9971	6.5	1919.9	1745.	156.2	123.6	.720	7.366	61.1	449.9	.585
.6000	.9972	6.4	1940.5	1720.	159.5	125.8	.710	7.370	61.1	450.5	.595
.6100	.9973	6.3	1961.1	1695.	162.9	128.1	.700	7.372	61.2	451.2	.604
.6200	.9974	6.2	1981.8	1671.	166.3	130.4	.690	7.374	61.3	451.7	.613
.6300	.9975	6.0	2002.4	1648.	169.8	132.7	.680	7.376	61.3	452.3	.623
.6400	.9976	6.0	2023.1	1625.	173.3	135.2	.670	7.379	61.4	452.9	.632
.6500	.9977	5.9	2043.7	1603.	176.9	137.8	.660	7.382	61.4	453.6	.641
.6600	.9978	5.8	2064.4	1582.	180.6	140.4	.650	7.384	61.5	454.2	.650
.6700	.9979	5.7	2085.0	1561.	184.4	143.2	.640	7.387	61.6	454.8	.659
.6800	.9980	5.6	2105.7	1541.	188.3	146.0	.630	7.388	61.6	455.1	.668
.6900	.9981	5.5	2126.3	1521.	192.2	149.0	.620	7.391	61.7	455.9	.677
.7000	.9982	5.5	2147.0	1501.	196.2	152.1	.610	7.394	61.7	456.4	.687
.7100	.9983	5.4	2167.6	1483.	200.3	155.2	.600	7.395	61.8	456.9	.696
.7200	.9985	5.3	2188.3	1464.	204.5	158.5	.590	7.396	61.8	457.2	.705
.7300	.9984	5.2	2208.9	1446.	208.8	162.0	.580	7.399	61.9	457.9	.715
.7400	.9985	5.2	2229.6	1429.	213.2	165.5	.570	7.401	61.9	458.3	.724
.7500	.9986	5.1	2250.3	1412.	217.7	169.2	.560	7.402	62.0	458.6	.733
.7600	.9987	5.0	2270.9	1395.	222.4	173.2	.550	7.405	62.0	459.3	.742
.7700	.9987	5.0	2291.6	1379.	227.1	177.2	.540	7.405	62.1	459.7	.751
.7800	.9988	4.9	2312.3	1363.	232.0	181.5	.530	7.408	62.2	460.1	.760
.7900	.9989	4.8	2332.9	1347.	237.0	186.0	.520	7.410	62.2	460.6	.770
.8000	.9989	4.8	2353.6	1332.	242.2	190.6	.510	7.412	62.2	461.0	.779
.8100	.9990	4.7	2374.2	1317.	247.5	195.5	.500	7.413	62.2	461.4	.788
.8200	.9991	4.7	2394.9	1303.	253.0	200.7	.490	7.415	62.3	461.8	.797
.8300	.9991	4.6	2415.6	1289.	258.7	206.1	.480	7.416	62.3	462.1	.807
.8400	.9992	4.6	2436.3	1275.	264.6	211.7	.470	7.418	62.4	462.4	.816
.8500	.9992	4.5	2456.9	1261.	270.6	217.6	.460	7.420	62.4	463.0	.825
.8600	.9993	4.5	2477.6	1248.	276.9	224.1	.451	7.420	62.4	463.1	.834
.8700	.9994	4.4	2498.3	1235.	283.4	230.8	.441	7.422	62.5	463.6	.843
.8800	.9994	4.4	2519.0	1222.	290.1	237.8	.431	7.424	62.5	464.0	.852
.8900	.9995	4.3	2539.7	1210.	297.1	245.1	.421	7.424	62.5	464.1	.861
.9000	.9995	4.3	2560.4	1197.	304.5	252.6	.412	7.426	62.6	464.5	.871
.9100	.9996	4.2	2581.1	1185.	312.1	260.5	.402	7.428	62.6	465.0	.880
.9200	.9996	4.2	2601.8	1174.	320.1	268.7	.392	7.429	62.6	465.3	.889
.9300	.9997	4.1	2622.5	1162.	328.4	277.3	.382	7.431	62.7	465.7	.899
.9400	.9997	4.0	2643.2	1151.	337.1	286.3	.372	7.433	62.7	465.8	.908
.9500	.9998	4.0	2663.9	1140.	346.3	295.7	.362	7.433	62.7	466.3	.917
.9600	.9998	4.0	2684.6	1129.	355.8	305.5	.352	7.435	62.8	466.7	.927
.9700	.9999	4.0	2705.3	1118.	366.0	315.8	.342	7.436	62.8	466.9	.936
.9800	.9999	3.9	2727.1	1107.	376.7	326.5	.332	7.436	62.8	467.0	.946
.9900	1.0000	3.9	2748.9	1097.	388.2	337.8	.322	7.438	62.8	467.4	.955
1.0000	1.0000	3.8	2769.9	1087.	400.3	349.6	.312	7.438	62.9	467.6	.965

TABLE 7. SATURATED CRITICAL FLOW PROPERTIES

(TO 450 K (PSAT 932.0 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	890.2	749.2	14482.	12.1	32.4	2.69	6.283	31.8	199.5	.025
.0100	.6514	313.5	769.5	13987.	14.1	36.4	2.58	6.248	35.3	220.8	.034
.0200	.7006	190.2	789.7	13089.	16.4	40.2	2.45	6.263	38.8	242.8	.044
.0300	.8411	136.6	809.9	12191.	18.9	43.6	2.32	6.290	41.7	262.0	.054
.0400	.8911	106.5	830.2	11292.	21.9	46.6	2.19	6.319	44.1	278.4	.065
.0500	.9068	87.9	850.4	10514.	23.6	49.2	2.08	6.349	46.1	292.6	.075
.0600	.9219	74.0	870.7	9833.	26.0	51.5	1.98	6.376	47.8	304.8	.086
.0700	.9330	64.1	890.9	9227.	28.3	53.7	1.90	6.400	49.3	315.7	.096
.0800	.9415	56.4	911.2	8680.	30.6	55.6	1.82	6.425	50.6	325.2	.106
.0900	.9482	50.3	931.4	8203.	33.0	57.4	1.74	6.449	51.8	333.8	.116
.1000	.9536	45.9	951.6	7778.	35.3	59.2	1.68	6.465	52.8	341.6	.126
.1100	.9581	41.9	971.9	7390.	37.5	60.8	1.62	6.484	53.8	348.9	.136
.1200	.9619	38.6	992.1	7038.	39.8	62.3	1.56	6.501	54.6	354.9	.145
.1300	.9651	35.9	1012.4	6720.	42.1	63.8	1.51	6.519	55.4	360.8	.155
.1400	.9678	33.3	1032.6	6429.	44.4	65.2	1.47	6.533	56.1	366.2	.165
.1500	.9703	31.1	1052.9	6162.	46.7	66.6	1.43	6.548	56.9	371.2	.175
.1600	.9724	29.3	1073.1	5917.	49.0	67.9	1.39	6.561	57.3	375.8	.185
.1700	.9743	27.6	1093.3	5690.	51.3	69.3	1.35	6.574	57.8	380.2	.195
.1800	.9760	26.1	1113.6	5481.	53.6	70.6	1.32	6.587	58.3	384.2	.204
.1900	.9775	24.8	1133.8	5286.	55.9	71.8	1.29	6.597	58.8	387.8	.214
.2000	.9788	23.6	1154.1	5104.	58.2	73.1	1.26	6.608	59.2	391.3	.224
.2100	.9801	22.5	1174.3	4936.	60.5	74.3	1.23	6.619	59.6	394.6	.233
.2200	.9813	21.5	1194.6	4778.	62.8	75.6	1.20	6.628	60.0	397.7	.243
.2300	.9822	20.6	1214.8	4629.	65.1	76.8	1.18	6.638	60.4	400.6	.253
.2400	.9833	19.7	1235.0	4490.	67.5	78.0	1.16	6.646	60.7	403.4	.262
.2500	.9840	18.9	1255.3	4359.	69.8	79.3	1.14	6.655	61.0	406.1	.271
.2600	.9848	18.2	1275.5	4236.	72.2	80.5	1.12	6.663	61.3	408.6	.280
.2700	.9856	17.6	1295.8	4119.	74.6	81.7	1.10	6.671	61.6	410.9	.290
.2800	.9863	17.0	1316.0	4008.	77.0	83.0	1.08	6.678	61.9	413.2	.299
.2900	.9869	16.4	1336.3	3904.	79.4	84.2	1.06	6.685	62.1	415.3	.309
.3000	.9875	15.8	1356.5	3805.	81.8	85.5	1.05	6.692	62.4	417.4	.319
.3100	.9881	15.3	1376.7	3710.	84.2	86.8	1.03	6.698	62.6	419.3	.327
.3200	.9886	14.9	1397.0	3621.	86.7	88.0	1.02	6.705	62.8	421.2	.337
.3300	.9891	14.4	1417.2	3535.	89.2	89.3	1.00	6.711	63.0	423.0	.346
.3400	.9896	14.0	1437.5	3454.	91.9	90.6	.99	6.716	63.2	424.6	.355
.3500	.9901	13.6	1457.7	3376.	94.2	91.9	.98	6.721	63.4	426.2	.365
.3600	.9905	13.2	1478.0	3302.	96.7	93.3	.96	6.727	63.6	427.9	.374
.3700	.9909	12.9	1498.2	3231.	99.3	94.7	.95	6.732	63.8	429.4	.383
.3800	.9913	12.6	1518.4	3163.	101.9	96.1	.94	6.739	64.0	430.9	.393
.3900	.9916	12.2	1538.7	3097.	104.5	97.4	.93	6.742	64.1	432.3	.402
.4000	.9920	11.9	1558.9	3035.	107.1	98.9	.92	6.749	64.3	433.6	.411
.4100	.9923	11.6	1579.2	2975.	109.8	100.3	.91	6.751	64.4	434.9	.420
.4200	.9926	11.4	1599.4	2917.	112.4	101.8	.91	6.755	64.5	436.2	.429
.4300	.9929	11.1	1619.7	2861.	115.1	103.3	.90	6.760	64.6	437.4	.439
.4400	.9932	10.9	1639.9	2808.	117.9	104.9	.89	6.764	64.8	438.5	.448
.4500	.9934	10.6	1660.1	2756.	120.7	106.4	.88	6.767	65.0	439.6	.457
.4600	.9937	10.4	1680.4	2707.	123.4	108.1	.88	6.772	65.1	440.8	.466
.4700	.9939	10.2	1700.6	2659.	126.3	109.7	.87	6.775	65.3	441.8	.476
.4800	.9942	10.0	1720.9	2613.	129.3	111.3	.86	6.778	65.5	442.7	.485
.4900	.9944	9.8	1741.1	2568.	132.3	113.0	.85	6.782	65.6	443.8	.494
.5000	.9946	9.6	1761.4	2525.	135.0	114.8	.85	6.785	65.9	444.7	.503
.5100	.9948	9.4	1781.6	2483.	137.9	116.6	.85	6.789	65.7	445.7	.512
.5200	.9950	9.2	1801.8	2443.	141.0	118.3	.84	6.791	65.9	446.4	.521
.5300	.9953	9.0	1822.1	2404.	144.0	120.3	.84	6.795	65.9	447.3	.530
.5400	.9954	8.9	1842.3	2366.	147.1	122.3	.83	6.798	65.9	448.3	.540
.5500	.9956	8.7	1862.6	2329.	150.3	124.2	.83	6.800	66.0	449.2	.549
.5600	.9958	8.6	1882.8	2294.	153.4	126.3	.82	6.803	66.1	449.7	.558
.5700	.9959	8.4	1903.1	2259.	156.7	128.4	.82	6.806	66.2	450.6	.568
.5800	.9961	8.3	1923.3	2226.	159.9	130.5	.82	6.809	66.3	451.4	.577
.5900	.9963	8.1	1943.5	2194.	163.3	132.7	.81	6.812	66.4	452.2	.586
.6000	.9964	8.0	1963.8	2162.	166.7	134.0	.81	6.813	66.4	452.9	.595
.6100	.9966	7.9	1984.0	2132.	170.1	137.3	.81	6.815	66.5	453.2	.604
.6200	.9967	7.7	2004.3	2102.	173.6	139.8	.81	6.819	66.7	454.3	.613
.6300	.9968	7.6	2024.5	2073.	177.2	142.3	.80	6.821	66.7	454.9	.623
.6400	.9970	7.5	2044.8	2045.	180.8	144.9	.80	6.824	66.8	455.5	.632
.6500	.9971	7.4	2065.0	2017.	184.5	147.5	.80	6.826	66.8	456.2	.641
.6600	.9972	7.3	2085.2	1991.	188.3	150.3	.80	6.828	66.9	456.8	.650
.6700	.9973	7.2	2105.5	1965.	192.1	153.1	.80	6.830	67.0	457.3	.659
.6800	.9975	7.1	2125.7	1939.	196.0	156.1	.80	6.833	67.0	458.0	.668
.6900	.9976	7.0	2146.0	1915.	200.0	159.1	.80	6.835	67.1	458.4	.678
.7000	.9977	6.9	2166.2	1891.	204.1	162.3	.80	6.836	67.2	459.1	.687
.7100	.9978	6.8	2186.5	1867.	208.2	165.6	.80	6.838	67.2	459.6	.696
.7200	.9979	6.7	2206.7	1844.	212.4	169.0	.80	6.840	67.3	460.1	.705
.7300	.9980	6.6	2227.0	1822.	216.7	172.4	.80	6.843	67.3	460.6	.714
.7400	.9981	6.5	2247.2	1800.	221.1	176.2	.80	6.844	67.4	461.1	.723
.7500	.9982	6.4	2267.4	1779.	225.9	180.0	.80	6.845	67.4	461.4	.732
.7600	.9983	6.3	2287.7	1758.	230.5	184.0	.80	6.848	67.5	462.2	.742
.7700	.9984	6.2	2307.9	1738.	235.3	188.0	.80	6.849	67.5	462.6	.751
.7800	.9985	6.2	2328.2	1718.	240.2	192.5	.80	6.851	67.6	463.1	.760
.7900	.9986	6.1	2348.4	1699.	245.1	197.1	.80	6.853	67.6	463.5	.769
.8000	.9987	6.0	2368.6	1680.	250.5	201.8	.81	6.853	67.7	463.8	.778
.8100	.9987	5.9	2388.9	1662.	255.8	206.7	.81	6.855	67.7	464.2	.787
.8200	.9988	5.9	2409.1	1643.	261.0	211.9	.81	6.856	67.8	464.6	.796
.8300	.9989	5.8	2429.4	1626.	267.0	217.4	.81	6.858	67.8	465.1	.805
.8400	.9990	5.7	2449.6	1608.	272.8	223.2	.82	6.859	67.9	465.4	.815
.8500	.9990	5.7	2469.9	1591.	278.8	229.2	.82	6.861	67.9	466.0	.824
.8600	.9991	5.6	2490.1	1575.	285.0	235.6	.83	6.863	68.0	466.4	.833
.8700	.9992	5.5	2510.3	1559.	291.4	242.3	.83	6.864	68.0	466.8	.842
.8800	.9993	5.4	2530.6	1543.	298.1	249.4	.84	6.866	68.1	467.3	.851
.8900	.9993	5.4	2550.8	1527.	305.1	256.8	.84	6.866	68.1	467.4	.860
.9000	.9994	5.3	2571.1	1512.	312.2	264.8	.85	6.869	68.1	467.9	.869
.9100	.9995	5.3	2591.3	1497.	319.7	273.3	.85	6.870	68.2	468.2	.878
.9200	.9995	5.2	2611.5	1482.	327.5	282.2	.86	6.870	68.2	468.4	.888
.9300	.9996	5.2	2631.8	1468.	335.6	291.0	.87	6.873	68.3	469.0	.897
.9400	.9997	5.1	2652.0	1453.	344.0	303.1	.88	6.874	68.3	469.3	.906
.9500	.9997	5.1	2672.3	1440.	352.9	313.1	.89	6.874	68.3	469.5	.915
.9600	.9998	5.0	2692.5	1426.	362.2	324.3	.90	6.876	68.3	469.9	.924
.9700	.9998	5.0	2712.8	1413.	372.0	337.5	.91	6.876	68.4	470.1	.933
.9800	.9999	4.9	2733.0	1399.	382.3	351.3	.92	6.878	68.4	470.6	.943
.9900	.9999	4.9	2753.2	1387.	393.1	366.1	.93	6.879	68.4	470.7	.951
1.0000	1.0000	4.8	2773.5	1374.	404.6	382.2	.94	6.879	68.4	470.8	.961

TABLE 3. SATURATED CRITICAL FLOW PROPERTIES

(TO 460 K (PSAT 1170.8 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AMF M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	879.5	793.5	16238.	14.3	36.2	2.53	5.850	35.3	206.6	.028
.0100	.5975	357.6	813.4	15761.	16.4	40.0	2.44	5.913	38.8	225.9	.037
.0200	.7500	274.4	833.3	14898.	18.8	43.9	2.33	5.828	42.2	245.9	.046
.0300	.8197	163.5	853.1	13969.	21.3	47.3	2.22	5.848	45.5	263.7	.057
.0400	.8596	128.6	873.0	13084.	23.7	50.4	2.15	5.872	49.0	279.3	.067
.0500	.8859	106.0	892.9	12274.	26.2	53.1	2.03	5.896	48.7	292.9	.078
.0600	.9037	90.1	912.8	11544.	28.6	55.5	1.94	5.918	51.5	304.7	.088
.0700	.9171	78.4	932.9	10888.	31.1	57.8	1.86	5.940	53.1	315.3	.098
.0800	.9274	69.4	952.6	10298.	33.5	59.9	1.79	5.961	54.5	324.7	.108
.0900	.9356	62.2	972.4	9766.	35.9	61.8	1.72	5.980	55.7	333.2	.118
.1000	.9423	56.4	992.3	9285.	38.3	63.6	1.66	5.998	56.8	340.8	.129
.1100	.9478	51.6	1012.2	8848.	40.7	65.4	1.61	6.015	57.8	347.9	.138
.1200	.9525	47.5	1032.1	8451.	43.0	67.0	1.56	6.030	58.7	354.1	.148
.1300	.9564	44.0	1052.0	8087.	45.4	68.6	1.51	6.045	59.6	360.1	.159
.1400	.9599	41.0	1071.9	7753.	47.8	70.2	1.47	6.059	60.3	365.6	.168
.1500	.9629	38.4	1091.7	7446.	50.2	71.7	1.43	6.072	61.0	370.6	.177
.1600	.9655	36.1	1111.6	7162.	52.5	73.1	1.39	6.085	61.7	375.3	.187
.1700	.9678	34.1	1131.5	6900.	54.9	74.5	1.36	6.096	62.3	379.7	.197
.1800	.9699	32.2	1151.4	6656.	57.3	75.9	1.33	6.107	62.8	383.7	.206
.1900	.9718	30.6	1171.3	6428.	59.7	77.3	1.30	6.118	63.3	387.5	.216
.2000	.9735	29.1	1191.2	6216.	62.1	78.6	1.27	6.127	63.8	391.0	.225
.2100	.9750	27.8	1211.0	6017.	64.5	80.0	1.24	6.137	64.3	394.4	.235
.2200	.9764	26.6	1230.9	5831.	66.9	81.3	1.22	6.146	64.7	397.5	.244
.2300	.9777	25.4	1250.8	5656.	69.3	82.6	1.19	6.155	65.2	400.6	.254
.2400	.9789	24.4	1270.7	5491.	71.7	84.0	1.17	6.163	65.5	403.5	.263
.2500	.9800	23.5	1290.6	5336.	74.2	85.3	1.15	6.171	65.8	406.2	.273
.2600	.9810	22.6	1310.5	5189.	76.6	86.6	1.13	6.178	66.1	408.7	.282
.2700	.9819	21.8	1330.4	5051.	79.1	88.0	1.11	6.185	66.5	411.1	.291
.2800	.9828	21.0	1350.2	4919.	81.5	89.3	1.10	6.192	66.8	413.3	.301
.2900	.9836	20.3	1370.1	4794.	84.0	90.6	1.08	6.199	67.1	415.7	.310
.3000	.9844	19.6	1390.0	4676.	86.5	92.0	1.06	6.204	67.3	417.7	.319
.3100	.9851	19.0	1409.9	4563.	89.1	93.3	1.05	6.211	67.6	419.8	.329
.3200	.9857	18.4	1429.8	4455.	91.6	94.7	1.03	6.216	67.8	421.7	.338
.3300	.9864	17.9	1449.7	4353.	94.2	96.1	1.02	6.222	68.1	423.5	.347
.3400	.9870	17.4	1469.5	4255.	96.7	97.4	1.01	6.228	68.3	425.4	.357
.3500	.9875	16.9	1489.4	4161.	99.3	98.9	1.00	6.233	68.5	427.0	.366
.3600	.9880	16.4	1509.3	4072.	101.9	100.3	.98	6.238	68.7	428.7	.375
.3700	.9885	16.0	1529.1	3986.	104.6	101.8	.97	6.243	68.9	430.2	.384
.3800	.9890	15.6	1549.0	3904.	107.2	103.2	.96	6.247	69.1	431.8	.394
.3900	.9895	15.2	1569.0	3825.	109.9	104.8	.95	6.252	69.3	433.3	.403
.4000	.9899	14.8	1588.8	3749.	112.6	106.2	.94	6.256	69.5	434.6	.412
.4100	.9903	14.5	1608.7	3677.	115.4	107.8	.93	6.260	69.6	436.0	.421
.4200	.9907	14.1	1628.6	3607.	118.1	109.4	.93	6.264	69.8	437.3	.430
.4300	.9911	13.8	1648.6	3539.	120.9	110.9	.92	6.268	69.9	438.4	.440
.4400	.9914	13.5	1668.4	3475.	123.7	112.6	.91	6.272	70.1	439.8	.449
.4500	.9918	13.2	1688.3	3412.	126.6	114.2	.90	6.275	70.2	440.8	.458
.4600	.9921	12.9	1708.1	3352.	129.5	115.9	.90	6.279	70.4	442.0	.467
.4700	.9924	12.6	1728.0	3294.	132.4	117.7	.89	6.283	70.5	443.1	.476
.4800	.9927	12.4	1747.9	3237.	135.3	119.4	.88	6.286	70.7	444.1	.486
.4900	.9930	12.1	1767.8	3183.	138.3	121.2	.88	6.289	70.8	445.2	.495
.5000	.9932	11.9	1787.7	3131.	141.3	123.1	.87	6.292	70.9	446.2	.504
.5100	.9935	11.7	1807.6	3080.	144.3	125.0	.87	6.296	71.0	447.1	.513
.5200	.9938	11.4	1827.5	3031.	147.4	126.9	.86	6.299	71.2	448.0	.522
.5300	.9940	11.2	1847.5	2983.	150.5	128.9	.86	6.301	71.3	449.0	.531
.5400	.9943	11.0	1867.4	2937.	153.7	130.8	.85	6.304	71.4	450.0	.540
.5500	.9945	10.8	1887.4	2892.	156.9	132.9	.84	6.306	71.5	450.9	.550
.5600	.9947	10.6	1907.3	2849.	160.2	134.9	.84	6.310	71.6	451.6	.559
.5700	.9949	10.4	1927.3	2807.	163.4	137.0	.84	6.313	71.7	452.5	.568
.5800	.9951	10.3	1946.3	2766.	166.8	139.2	.84	6.314	71.8	453.2	.577
.5900	.9953	10.1	1966.3	2726.	170.2	141.4	.83	6.316	71.9	454.1	.586
.6000	.9955	9.9	1986.3	2688.	173.7	144.3	.83	6.321	72.0	454.8	.595
.6100	.9957	9.8	2006.4	2650.	177.2	146.7	.83	6.322	72.0	455.4	.604
.6200	.9958	9.6	2026.3	2614.	180.8	149.2	.83	6.324	72.1	456.1	.614
.6300	.9960	9.5	2046.2	2578.	184.4	151.8	.82	6.327	72.2	456.8	.623
.6400	.9962	9.3	2066.1	2544.	188.1	154.5	.82	6.330	72.3	457.6	.632
.6500	.9963	9.2	2085.9	2510.	191.8	157.2	.82	6.332	72.4	458.3	.641
.6600	.9965	9.0	2105.8	2478.	195.6	160.1	.82	6.334	72.5	458.9	.650
.6700	.9967	8.9	2125.7	2446.	199.5	163.1	.82	6.336	72.5	459.6	.659
.6800	.9968	8.8	2145.6	2415.	203.5	166.0	.82	6.337	72.6	460.1	.668
.6900	.9970	8.6	2165.5	2384.	207.6	169.2	.82	6.339	72.7	460.6	.677
.7000	.9971	8.5	2185.4	2355.	211.6	172.4	.81	6.341	72.7	461.2	.686
.7100	.9972	8.4	2205.2	2326.	215.8	175.8	.81	6.344	72.8	461.9	.696
.7200	.9974	8.3	2225.1	2298.	220.1	179.3	.81	6.345	72.9	462.3	.705
.7300	.9975	8.2	2245.0	2271.	224.5	183.0	.81	6.347	72.9	463.0	.714
.7400	.9976	8.1	2264.9	2244.	229.0	186.7	.81	6.349	73.0	463.4	.723
.7500	.9977	8.0	2284.8	2218.	233.6	190.6	.82	6.351	73.1	464.1	.732
.7600	.9979	7.9	2304.7	2192.	238.3	194.7	.82	6.353	73.1	464.6	.741
.7700	.9980	7.8	2324.5	2167.	243.1	198.9	.82	6.353	73.2	464.9	.750
.7800	.9981	7.7	2344.4	2143.	248.0	203.4	.82	6.356	73.3	465.7	.759
.7900	.9982	7.6	2364.3	2119.	253.1	207.9	.82	6.357	73.3	466.0	.768
.8000	.9983	7.5	2384.2	2096.	258.2	212.7	.82	6.359	73.4	466.6	.777
.8100	.9984	7.4	2404.1	2073.	263.6	217.7	.83	6.361	73.4	467.0	.786
.8200	.9985	7.3	2424.0	2050.	269.1	222.9	.83	6.361	73.5	467.3	.795
.8100	.9986	7.2	2443.8	2028.	274.9	228.4	.83	6.363	73.5	467.7	.804
.8400	.9987	7.1	2463.7	2007.	280.5	234.1	.83	6.364	73.6	468.2	.813
.8500	.9988	7.0	2483.6	1986.	286.5	240.2	.84	6.366	73.6	468.6	.823
.8600	.9989	7.0	2503.5	1966.	292.6	246.5	.84	6.367	73.7	469.0	.832
.8700	.9990	6.9	2523.4	1946.	298.9	253.2	.85	6.369	73.7	469.6	.841
.8800	.9991	6.8	2543.3	1926.	305.5	260.2	.85	6.371	73.8	470.0	.850
.8900	.9992	6.7	2563.2	1907.	312.3	267.5	.86	6.372	73.8	470.3	.859
.9000	.9993	6.6	2583.0	1888.	319.3	275.1	.86	6.373	73.9	470.8	.868
.9100	.9993	6.6	2602.9	1869.	326.7	283.2	.87	6.373	73.9	471.0	.877
.9200	.9994	6.5	2622.8	1851.	334.2	291.7	.88	6.376	74.0	471.5	.886
.9300	.9995	6.4	2642.7	1833.	342.1	300.7	.88	6.377	74.0	471.8	.895
.9400	.9996	6.4	2662.6	1816.	350.4	311.4	.89	6.377	74.0	472.0	.904
.9500	.9996	6.3	2682.5	1799.	358.9	322.4	.90	6.379	74.1	472.6	.913
.9600	.9997	6.2	2702.3	1782.	367.9	333.7	.91	6.381	74.1	473.0	.922
.9700	.9998	6.2	2722.2	1765.	377.2	345.8	.92	6.381	74.2	473.2	.931
.9800	.9999	6.1	2742.1	1749.	387.0	358.9	.93	6.383	74.2	473.6	.941
.9900	.9999	6.0	2762.0	1733.	397.4	372.7	.94	6.383	74.2	473.8	.950
1.0000	1.0000	6.0	2781.9	1717.	408.2	387.9	.95	6.385	74.3	474.2	.959

TABLE 3. SATURATED CRITICAL FLOW PROPERTIES

(TO 470 K (PSAT 1455.0 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AME M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	868.3	838.2	18101.	16.8	40.1	2.39	5.461	39.1	213.5	.032
.0100	.5432	400.6	857.7	17633.	19.0	44.0	2.31	5.434	42.5	231.1	.040
.0200	.7061	260.4	877.2	16805.	21.4	47.8	2.23	5.439	45.8	249.3	.049
.0300	.7844	193.9	896.9	15891.	24.0	51.5	2.14	5.454	48.7	265.4	.060
.0400	.8307	153.2	916.2	14997.	26.5	54.3	2.05	5.473	51.2	280.4	.070
.0500	.8610	127.0	935.9	14161.	29.0	57.1	1.97	5.493	53.4	293.3	.080
.0600	.8826	108.5	955.2	13394.	31.6	59.7	1.89	5.513	55.3	304.8	.090
.0700	.8986	94.7	974.7	12695.	34.1	62.1	1.82	5.531	57.0	315.0	.101
.0800	.9110	84.0	994.3	12059.	36.5	64.3	1.76	5.549	58.4	324.2	.111
.0900	.9209	75.5	1013.8	11480.	39.0	66.3	1.70	5.565	59.7	332.5	.121
.1000	.9290	68.5	1033.3	10951.	41.5	68.3	1.65	5.581	60.9	340.1	.131
.1100	.9357	62.7	1052.3	10468.	44.0	70.1	1.59	5.596	62.0	347.1	.140
.1200	.9414	57.9	1072.3	10024.	46.4	71.9	1.55	5.610	63.0	353.4	.150
.1300	.9462	53.7	1091.8	9616.	48.9	73.6	1.51	5.624	63.9	359.3	.160
.1400	.9504	50.1	1111.3	9240.	51.3	75.2	1.47	5.636	64.7	364.6	.170
.1500	.9541	46.9	1130.8	8892.	53.8	76.8	1.43	5.648	65.5	369.7	.179
.1600	.9573	44.1	1150.3	8569.	56.2	78.4	1.39	5.659	66.2	374.4	.189
.1700	.9603	41.6	1169.8	8268.	58.7	79.9	1.36	5.669	66.8	378.8	.199
.1800	.9629	39.4	1189.3	7988.	61.2	81.4	1.33	5.680	67.4	383.0	.208
.1900	.9654	37.5	1208.8	7727.	63.6	82.9	1.30	5.689	68.0	386.8	.218
.2000	.9677	35.7	1228.3	7482.	66.1	84.3	1.28	5.698	68.5	390.4	.227
.2100	.9699	34.0	1247.9	7252.	68.6	85.8	1.25	5.707	69.0	393.8	.237
.2200	.9718	32.5	1267.4	7036.	71.1	87.2	1.23	5.715	69.5	397.1	.246
.2300	.9734	31.1	1286.9	6832.	73.4	88.6	1.20	5.723	69.9	400.1	.256
.2400	.9748	29.8	1306.4	6640.	76.1	90.0	1.18	5.731	70.3	403.0	.265
.2500	.9762	28.6	1325.9	6458.	78.6	91.4	1.16	5.738	70.7	405.8	.274
.2600	.9774	27.7	1345.4	6287.	81.1	92.9	1.14	5.745	71.1	408.4	.284
.2700	.9786	26.7	1364.9	6124.	83.6	94.3	1.13	5.751	71.4	410.9	.293
.2800	.9796	25.8	1384.4	5969.	86.2	95.7	1.11	5.758	71.8	413.3	.302
.2900	.9806	24.9	1403.9	5822.	88.8	97.1	1.09	5.764	72.1	415.7	.312
.3000	.9816	24.1	1423.4	5682.	91.3	98.5	1.08	5.770	72.4	417.7	.321
.3100	.9824	23.4	1442.9	5549.	93.9	100.0	1.06	5.776	72.7	419.9	.330
.3200	.9833	22.6	1462.4	5422.	96.6	101.5	1.05	5.781	73.0	421.8	.339
.3300	.9840	22.0	1482.0	5301.	99.3	102.9	1.04	5.786	73.2	423.7	.349
.3400	.9848	21.3	1501.5	5184.	101.8	104.4	1.03	5.792	73.5	425.6	.358
.3500	.9855	20.7	1521.0	5074.	104.5	105.9	1.01	5.796	73.7	427.3	.367
.3600	.9861	20.2	1540.5	4967.	107.2	107.4	1.00	5.801	74.0	429.1	.376
.3700	.9867	19.6	1559.9	4865.	109.8	108.9	.99	5.805	74.2	430.6	.386
.3800	.9873	19.1	1579.5	4767.	112.5	110.4	.98	5.810	74.4	432.2	.395
.3900	.9878	18.7	1599.0	4673.	115.3	111.9	.97	5.814	74.6	433.8	.404
.4000	.9874	18.2	1618.5	4583.	118.2	113.4	.96	5.818	74.8	435.2	.413
.4100	.9879	17.8	1638.0	4496.	121.0	114.9	.95	5.821	75.0	436.3	.422
.4200	.9884	17.4	1657.5	4412.	123.9	116.4	.94	5.826	75.2	438.0	.432
.4300	.9889	17.0	1677.0	4332.	126.8	117.9	.94	5.830	75.3	439.2	.441
.4400	.9893	16.6	1696.5	4254.	129.8	119.4	.93	5.834	75.5	440.6	.450
.4500	.9897	16.2	1716.0	4179.	132.5	122.1	.92	5.837	75.7	441.8	.459
.4600	.9901	15.9	1735.6	4107.	135.4	123.9	.92	5.840	75.8	442.9	.468
.4700	.9904	15.5	1755.1	4037.	138.4	125.7	.91	5.844	76.0	444.1	.477
.4800	.9909	15.2	1774.6	3970.	141.4	127.5	.90	5.847	76.1	445.2	.486
.4900	.9912	14.9	1794.1	3904.	144.4	129.3	.90	5.850	76.3	446.2	.496
.5000	.9916	14.6	1813.6	3841.	147.5	131.4	.89	5.853	76.4	447.3	.505
.5100	.9919	14.3	1833.1	3780.	150.6	133.4	.89	5.856	76.6	448.3	.514
.5200	.9922	14.1	1852.6	3721.	153.8	135.4	.88	5.860	76.7	449.3	.523
.5300	.9928	13.8	1872.1	3664.	157.0	137.4	.88	5.861	76.8	450.2	.532
.5400	.9928	13.6	1891.6	3608.	160.2	139.4	.87	5.864	76.9	451.2	.541
.5500	.9931	13.3	1911.1	3554.	163.5	141.7	.87	5.867	77.1	452.1	.550
.5600	.9934	13.1	1930.6	3502.	166.8	144.0	.86	5.869	77.2	453.0	.559
.5700	.9936	12.9	1950.1	3451.	170.1	146.3	.86	5.872	77.3	453.9	.568
.5800	.9939	12.6	1969.7	3401.	173.5	148.6	.86	5.874	77.4	454.7	.577
.5900	.9941	12.4	1989.2	3353.	177.0	151.0	.85	5.877	77.5	455.5	.586
.6000	.9944	12.2	2008.7	3307.	180.5	153.5	.85	5.879	77.6	456.3	.596
.6100	.9946	12.0	2028.2	3261.	184.1	156.0	.85	5.882	77.7	457.1	.605
.6200	.9948	11.8	2047.7	3217.	187.7	158.6	.84	5.883	77.8	457.7	.614
.6300	.9950	11.6	2067.2	3174.	191.4	161.3	.84	5.886	77.9	458.5	.623
.6400	.9952	11.5	2086.7	3132.	195.1	164.0	.84	5.888	78.0	459.3	.632
.6500	.9954	11.3	2106.2	3092.	198.9	166.9	.84	5.890	78.1	459.9	.641
.6600	.9956	11.1	2125.7	3052.	202.7	169.8	.84	5.892	78.2	460.6	.650
.6700	.9958	10.9	2145.2	3013.	206.7	172.8	.84	5.894	78.3	461.2	.659
.6800	.9960	10.8	2164.7	2976.	210.7	175.9	.84	5.896	78.3	461.9	.668
.6900	.9962	10.6	2184.2	2939.	214.7	179.2	.83	5.898	78.4	462.6	.677
.7000	.9964	10.5	2203.7	2903.	218.9	182.5	.83	5.900	78.5	463.2	.686
.7100	.9965	10.4	2223.3	2868.	223.1	185.9	.83	5.901	78.6	463.7	.695
.7200	.9967	10.2	2242.8	2834.	227.4	189.5	.83	5.903	78.7	464.3	.704
.7300	.9969	10.1	2262.3	2801.	231.8	193.2	.83	5.906	78.7	465.0	.713
.7400	.9970	9.9	2281.8	2768.	236.3	197.0	.83	5.909	78.8	465.6	.722
.7500	.9972	9.8	2301.3	2736.	240.9	201.0	.83	5.909	78.9	466.2	.731
.7600	.9973	9.7	2320.8	2705.	245.6	205.1	.84	5.911	79.0	466.7	.740
.7700	.9975	9.6	2340.3	2674.	250.4	209.4	.84	5.912	79.0	467.1	.749
.7800	.9976	9.4	2359.8	2645.	255.4	213.8	.84	5.914	79.1	467.7	.758
.7900	.9977	9.3	2379.3	2616.	260.4	218.4	.84	5.915	79.2	468.2	.767
.8000	.9979	9.2	2398.8	2587.	265.6	223.2	.84	5.916	79.3	468.5	.776
.8100	.9980	9.1	2418.3	2560.	270.9	228.3	.84	5.918	79.3	469.2	.785
.8200	.9981	9.0	2437.8	2532.	276.3	233.6	.85	5.920	79.4	469.7	.795
.8300	.9983	8.9	2457.3	2506.	281.8	239.0	.85	5.921	79.4	470.1	.804
.8400	.9984	8.8	2476.8	2480.	287.6	244.7	.85	5.923	79.5	470.6	.813
.8500	.9985	8.7	2496.4	2454.	293.5	250.7	.85	5.924	79.4	471.0	.822
.8600	.9986	8.6	2515.9	2429.	299.6	257.0	.86	5.925	79.6	471.4	.831
.8700	.9987	8.5	2535.4	2405.	305.8	263.6	.86	5.926	79.7	471.9	.840
.8800	.9988	8.4	2554.9	2381.	312.3	270.5	.87	5.928	79.7	472.3	.849
.8900	.9990	8.3	2574.4	2358.	318.9	277.8	.87	5.929	79.7	472.8	.858
.9000	.9991	8.2	2593.9	2334.	325.8	285.5	.88	5.930	79.8	473.2	.867
.9100	.9992	8.1	2613.4	2311.	333.0	293.5	.88	5.931	79.8	473.4	.876
.9200	.9993	8.0	2632.9	2288.	340.3	302.1	.89	5.933	79.9	474.0	.885
.9100	.9994	7.9	2652.4	2267.	348.0	311.1	.89	5.934	79.9	474.3	.894
.9400	.9995	7.8	2671.9	2244.	355.9	320.6	.90	5.935	80.0	474.7	.903
.9500	.9996	7.8	2691.4	2224.	364.2	330.8	.91	5.936	80.0	474.9	.911
.9600	.9996	7.7	2711.0	2204.	372.8	341.6	.92	5.937	80.1	475.4	.921
.9700	.9997	7.6	2730.5	2184.	381.8	353.2	.93	5.939	80.1	475.8	.930
.9800	.9998	7.5	2750.0	2164.	391.1	365.5	.93	5.940	80.2	476.2	.939
.9900	.9999	7.4	2769.5	2145.	401.0	378.5	.94	5.939	80.2	476.1	.948
1.0000	1.0000	7.4	2789.0	2126.	411.2	392.7	.95	5.941	80.2	476.4	.957

TABLE 3. SATURATED CRITICAL FLOW PROPERTIES

(TO 480 K (PSAT 1790.5 KPA))

XU	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XE
0.0000	0.0000	856.6	883.4	20068.	19.6	44.4	2.26	5.111	43.1	220.3	.035
.0100	.4897	441.6	932.5	19602.	21.9	48.1	2.20	5.087	46.5	236.4	.043
.0200	.6597	297.5	971.6	18807.	24.4	51.9	2.13	5.090	49.7	252.9	.053
.0300	.7466	224.3	940.7	17914.	26.9	54.3	2.05	5.101	52.6	268.1	.063
.0400	.7983	180.0	959.8	17021.	29.5	58.5	1.98	5.119	55.1	281.9	.073
.0500	.8333	150.3	979.0	16170.	32.1	61.4	1.91	5.139	57.3	294.1	.083
.0600	.8584	129.0	998.1	15376.	34.7	64.0	1.84	5.149	59.2	305.0	.093
.0700	.8773	113.0	1017.2	14643.	37.3	66.5	1.78	5.155	61.0	314.9	.103
.0800	.8920	100.6	1036.3	13957.	39.8	68.8	1.73	5.160	62.5	323.8	.113
.0900	.9038	90.6	1055.4	13346.	42.4	71.0	1.67	5.194	63.9	331.9	.123
.1000	.9135	82.4	1074.5	12774.	44.9	73.0	1.62	5.208	65.2	339.3	.133
.1100	.9215	75.5	1093.6	12246.	47.5	75.0	1.58	5.222	66.3	346.2	.143
.1200	.9283	69.8	1112.7	11759.	50.0	76.8	1.54	5.234	67.3	352.4	.153
.1300	.9342	64.8	1131.9	11309.	52.4	78.6	1.50	5.246	68.3	358.3	.162
.1400	.9393	60.5	1151.0	10890.	54.8	80.4	1.46	5.257	69.2	363.7	.172
.1500	.9437	56.7	1170.1	10502.	57.6	82.1	1.43	5.268	70.0	368.8	.182
.1600	.9476	53.4	1189.2	10139.	60.1	83.7	1.39	5.278	70.8	373.5	.191
.1700	.9511	50.5	1208.3	9801.	62.6	85.4	1.36	5.288	71.5	377.9	.201
.1800	.9542	47.8	1227.4	9485.	65.2	87.0	1.33	5.297	72.1	382.0	.210
.1900	.9570	45.4	1246.5	9188.	67.7	88.5	1.31	5.305	72.7	385.9	.220
.2000	.9596	43.3	1265.6	8909.	70.3	90.1	1.28	5.314	73.3	389.6	.229
.2100	.9619	41.3	1284.8	8646.	72.8	91.6	1.26	5.322	73.9	393.0	.239
.2200	.9640	39.5	1303.9	8399.	75.4	93.1	1.24	5.329	74.4	396.3	.248
.2300	.9660	37.9	1323.0	8165.	77.9	94.5	1.21	5.337	74.9	399.5	.258
.2400	.9677	36.4	1342.1	7944.	80.5	96.0	1.19	5.343	75.3	402.4	.267
.2500	.9694	35.0	1361.2	7735.	83.1	97.5	1.18	5.350	75.7	405.2	.276
.2600	.9709	33.7	1380.3	7536.	85.7	99.0	1.16	5.357	76.1	407.9	.286
.2700	.9723	32.5	1399.4	7348.	88.3	100.4	1.14	5.363	76.5	410.4	.295
.2800	.9736	31.4	1418.6	7169.	90.9	101.9	1.12	5.369	76.8	412.8	.304
.2900	.9749	30.3	1437.7	6998.	93.6	103.3	1.11	5.374	77.2	415.1	.313
.3000	.9760	29.3	1456.8	6835.	96.2	104.7	1.09	5.380	77.6	417.4	.323
.3100	.9771	28.4	1475.9	6680.	98.9	106.1	1.08	5.385	77.9	419.5	.332
.3200	.9781	27.6	1495.0	6531.	101.6	107.5	1.07	5.391	78.2	421.7	.341
.3300	.9791	26.8	1514.1	6389.	104.3	108.9	1.05	5.396	78.5	423.6	.350
.3400	.9800	26.0	1533.2	6253.	107.0	110.4	1.04	5.400	78.8	425.4	.359
.3500	.9808	25.3	1552.3	6123.	109.7	111.8	1.03	5.405	79.1	427.3	.369
.3600	.9816	24.6	1571.5	5998.	112.5	113.2	1.02	5.409	79.3	429.0	.378
.3700	.9824	23.9	1590.6	5878.	115.2	114.6	1.01	5.413	79.6	430.6	.387
.3800	.9831	23.3	1609.7	5763.	118.0	116.0	1.00	5.418	79.8	432.2	.396
.3900	.9838	22.7	1628.8	5653.	120.9	117.5	.98	5.421	80.0	433.9	.405
.4000	.9845	22.2	1647.9	5546.	123.7	121.2	.98	5.425	80.2	435.4	.414
.4100	.9851	21.7	1667.0	5444.	126.6	122.9	.97	5.429	80.5	436.8	.424
.4200	.9859	21.2	1686.1	5345.	129.5	124.7	.96	5.433	80.7	438.2	.433
.4300	.9862	20.7	1705.3	5249.	132.4	126.4	.96	5.436	80.9	439.6	.442
.4400	.9868	20.2	1724.4	5158.	135.3	128.3	.95	5.440	81.1	441.0	.451
.4500	.9873	19.8	1743.5	5069.	138.3	130.1	.94	5.443	81.2	442.2	.460
.4600	.9878	19.4	1762.6	4983.	141.3	131.9	.93	5.447	81.4	443.5	.469
.4700	.9883	19.0	1781.7	4900.	144.3	133.8	.93	5.449	81.6	444.6	.478
.4800	.9887	18.6	1800.8	4820.	147.4	135.7	.92	5.453	81.8	445.8	.487
.4900	.9892	18.2	1819.9	4742.	150.5	137.6	.92	5.455	81.9	446.9	.496
.5000	.9896	17.8	1839.0	4667.	153.6	139.8	.91	5.459	82.1	448.0	.505
.5100	.9900	17.5	1858.2	4595.	156.8	141.8	.90	5.461	82.2	449.1	.514
.5200	.9904	17.2	1877.3	4524.	160.0	143.9	.90	5.464	82.4	450.1	.523
.5300	.9908	16.9	1896.4	4456.	163.2	146.1	.89	5.467	82.5	451.1	.532
.5400	.9911	16.6	1915.5	4389.	166.5	148.3	.89	5.469	82.6	452.0	.542
.5500	.9915	16.3	1934.6	4325.	169.8	150.5	.89	5.472	82.8	453.1	.551
.5600	.9918	16.0	1953.7	4262.	173.2	152.8	.88	5.475	82.9	454.0	.560
.5700	.9921	15.7	1972.8	4202.	176.6	155.2	.88	5.477	83.1	454.9	.569
.5800	.9924	15.4	1991.9	4143.	180.1	157.6	.88	5.479	83.2	455.6	.578
.5900	.9927	15.2	2011.1	4085.	183.6	160.0	.87	5.481	83.3	456.4	.587
.6000	.9930	14.9	2030.2	4030.	187.1	162.6	.87	5.484	83.4	457.4	.596
.6100	.9933	14.7	2049.3	3975.	190.7	165.2	.87	5.486	83.5	458.1	.605
.6200	.9936	14.5	2068.4	3922.	194.4	167.9	.86	5.488	83.6	459.0	.614
.6300	.9939	14.2	2087.5	3871.	198.1	170.6	.86	5.490	83.7	459.6	.623
.6400	.9941	14.0	2106.5	3821.	201.9	173.5	.86	5.492	83.8	460.4	.632
.6500	.9944	13.8	2125.7	3772.	205.7	176.4	.86	5.494	83.9	461.2	.641
.6600	.9946	13.6	2144.9	3724.	209.6	179.4	.86	5.496	84.0	461.9	.650
.6700	.9948	13.4	2164.0	3678.	213.5	182.5	.85	5.498	84.1	462.5	.659
.6800	.9951	13.2	2183.1	3633.	217.6	185.7	.85	5.500	84.2	463.2	.668
.6900	.9953	13.0	2202.2	3589.	221.6	189.0	.85	5.502	84.3	464.0	.677
.7000	.9955	12.8	2221.3	3546.	225.8	192.4	.85	5.504	84.4	464.6	.686
.7100	.9957	12.6	2240.4	3503.	230.1	195.8	.85	5.505	84.5	465.2	.695
.7200	.9959	12.5	2259.5	3462.	234.4	199.4	.85	5.506	84.6	465.7	.704
.7300	.9961	12.3	2278.6	3422.	238.8	203.2	.85	5.508	84.7	466.4	.713
.7400	.9963	12.1	2297.8	3383.	243.3	207.1	.85	5.510	84.8	467.0	.722
.7500	.9965	12.0	2316.9	3345.	247.9	211.1	.85	5.512	84.8	467.7	.731
.7600	.9967	11.8	2336.0	3307.	252.5	215.4	.85	5.514	85.0	468.8	.740
.7700	.9969	11.7	2355.1	3271.	257.4	219.8	.85	5.515	85.0	468.8	.749
.7800	.9970	11.5	2374.3	3235.	262.3	224.0	.85	5.516	85.1	469.2	.758
.7900	.9972	11.4	2393.3	3200.	267.3	228.6	.86	5.518	85.1	469.9	.767
.8000	.9974	11.2	2412.4	3166.	272.4	233.4	.86	5.519	85.2	470.3	.776
.8100	.9975	11.1	2431.6	3132.	277.7	238.5	.86	5.521	85.3	470.8	.784
.8200	.9977	11.0	2450.7	3099.	283.0	243.7	.86	5.523	85.4	471.4	.793
.8300	.9978	10.8	2469.8	3067.	288.6	249.1	.86	5.524	85.4	471.9	.802
.8400	.9980	10.7	2488.9	3035.	294.2	254.8	.87	5.525	85.5	472.3	.811
.8500	.9981	10.6	2508.0	3004.	300.0	260.7	.87	5.524	85.6	472.8	.820
.8600	.9983	10.5	2527.1	2974.	306.0	266.9	.87	5.528	85.6	473.4	.829
.8700	.9984	10.3	2546.2	2945.	312.1	273.4	.88	5.529	85.7	473.8	.838
.8800	.9986	10.2	2565.3	2916.	318.4	280.2	.88	5.530	85.8	474.3	.847
.8900	.9987	10.1	2584.5	2887.	325.0	287.3	.88	5.531	85.8	474.6	.856
.9000	.9988	10.0	2603.6	2859.	331.7	294.7	.89	5.532	85.9	474.0	.865
.9100	.9990	9.9	2622.7	2832.	338.6	302.6	.89	5.534	85.9	475.5	.874
.9200	.9991	9.8	2641.8	2805.	345.8	310.9	.90	5.535	86.0	476.0	.883
.9300	.9992	9.7	2660.9	2779.	353.2	319.6	.90	5.536	86.0	476.3	.892
.9400	.9993	9.6	2680.0	2753.	360.9	328.7	.91	5.537	86.1	476.6	.901
.9500	.9994	9.5	2699.1	2727.	368.8	338.5	.92	5.538	86.1	477.1	.910
.9600	.9996	9.4	2718.2	2702.	377.0	348.8	.93	5.540	86.2	477.6	.919
.9700	.9997	9.3	2737.4	2678.	385.7	359.7	.93	5.540	86.2	477.8	.928
.9800	.9998	9.2	2756.5	2654.	394.6	371.3	.94	5.541	86.3	478.2	.937
.9900	.9999	9.1	2775.6	2630.	403.8	383.7	.95	5.543	86.4	478.7	.945
1.0000	1.0000	9.0	2794.7	2607.	413.6	396.9	.96	5.543	86.4	478.9	.955

TABLE 7 SATURATED CRITICAL FLOW PROPERTIES

(TO 490 K (PSAT 2183.2 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AMS M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	844.3	979.1	22137.	22.7	48.8	2.15	4.793	47.3	226.9	.039
.0100	.4379	479.4	947.8	21686.	25.1	52.6	2.10	4.774	50.6	241.7	.047
.0200	.6119	334.7	966.5	20[illegible].	27.6	56.3	2.04	4.774	53.8	256.7	.056
.0300	.7046	247.1	983.2	[illegible].	30.2	59.9	1.98	4.782	56.6	270.7	.066
.0400	.7627	208.8	1003.9	19149.	32.9	62.9	1.91	4.794	59.1	283.5	.075
.0500	.8023	175.7	1022.6	18295.	35.5	65.9	1.85	4.807	61.4	295.0	.086
.0600	.8312	151.7	1041.3	17482.	38.2	68.6	1.80	4.821	63.4	305.4	.096
.0700	.8530	133.4	1060.0	16723.	40.8	71.3	1.74	4.835	65.3	314.9	.106
.0800	.8702	119.1	1078.7	16015.	43.4	73.8	1.69	4.849	66.9	323.5	.116
.0900	.8841	107.6	1097.4	15356.	46.0	75.8	1.65	4.860	68.2	331.4	.125
.1000	.8955	98.0	1116.1	14748.	48.6	77.9	1.60	4.873	69.5	338.6	.136
.1100	.9050	90.1	1134.8	14181.	51.2	80.0	1.56	4.884	70.7	345.3	.146
.1200	.9132	83.5	1153.5	13654.	53.8	81.9	1.52	4.895	71.8	351.5	.155
.1300	.9202	77.9	1172.2	13163.	56.4	83.8	1.49	4.906	72.8	357.2	.165
.1400	.9262	72.4	1190.8	12705.	59.0	85.7	1.45	4.915	73.8	362.6	.175
.1500	.9315	68.0	1209.6	12277.	61.6	87.5	1.42	4.925	74.6	367.6	.184
.1600	.9363	64.1	1228.3	11876.	64.2	89.2	1.39	4.935	75.4	372.3	.194
.1700	.9405	60.6	1247.0	11500.	66.8	91.0	1.36	4.943	76.2	376.7	.203
.1800	.9442	57.4	1265.7	11147.	69.4	92.6	1.34	4.951	76.9	380.8	.213
.1900	.9476	54.6	1284.4	10815.	72.0	94.3	1.31	4.959	77.6	384.7	.223
.2000	.9507	52.0	1303.1	10502.	74.6	96.0	1.29	4.967	78.2	388.5	.232
.2100	.9535	49.7	1321.8	10206.	77.2	97.6	1.26	4.974	78.8	391.9	.241
.2200	.9560	47.6	1340.5	9927.	79.8	99.2	1.24	4.982	79.1	395.3	.250
.2300	.9584	45.6	1359.2	9662.	82.4	100.8	1.22	4.988	79.9	398.5	.260
.2400	.9606	43.8	1377.9	9411.	85.1	102.4	1.20	4.995	80.4	401.4	.269
.2500	.9626	42.2	1396.6	9173.	87.7	104.0	1.19	5.001	80.8	404.2	.278
.2600	.9644	40.6	1415.3	8947.	90.4	105.6	1.17	5.007	81.3	407.0	.287
.2700	.9661	39.2	1434.0	8731.	93.1	107.2	1.15	5.013	81.7	409.6	.297
.2800	.9677	37.8	1452.7	8526.	95.8	108.8	1.14	5.018	82.1	412.1	.306
.2900	.9692	36.6	1471.4	8330.	98.4	110.4	1.12	5.024	82.5	414.5	.315
.3000	.9706	35.4	1490.1	8143.	101.1	112.0	1.11	5.029	82.9	416.8	.324
.3100	.9719	34.3	1508.8	7964.	103.9	113.6	1.09	5.033	83.2	418.9	.334
.3200	.9732	33.3	1527.5	7792.	106.6	115.2	1.08	5.038	83.6	421.0	.343
.3300	.9743	32.3	1546.2	7629.	109.4	116.8	1.07	5.043	83.9	423.0	.352
.3400	.9754	31.4	1564.9	7471.	112.1	118.5	1.06	5.047	84.2	425.0	.361
.3500	.9765	30.5	1583.6	7320.	114.9	120.2	1.05	5.052	84.5	427.0	.370
.3600	.9775	29.7	1602.3	7176.	117.8	121.8	1.03	5.055	84.8	428.5	.379
.3700	.9784	29.0	1621.0	7036.	120.6	123.5	1.02	5.060	85.0	430.3	.388
.3800	.9793	28.2	1639.7	6903.	123.4	125.3	1.01	5.064	85.3	432.0	.397
.3900	.9801	27.5	1658.4	6774.	126.3	127.0	1.01	5.068	85.6	433.7	.407
.4000	.9809	26.8	1677.0	6650.	129.2	128.8	1.00	5.071	85.8	435.2	.416
.4100	.9817	26.2	1695.7	6530.	132.1	130.6	.99	5.075	86.0	436.6	.425
.4200	.9824	25.6	1714.4	6414.	135.0	132.4	.98	5.078	86.3	438.2	.434
.4300	.9831	25.0	1733.1	6303.	138.0	134.3	.97	5.082	86.5	439.6	.443
.4400	.9838	24.5	1751.8	6195.	141.0	136.1	.97	5.085	86.7	440.9	.452
.4500	.9844	24.0	1770.5	6092.	144.1	138.0	.96	5.089	86.9	442.2	.461
.4600	.9850	23.4	1789.2	5991.	147.1	140.0	.95	5.091	87.1	443.4	.470
.4700	.9856	23.0	1807.9	5894.	150.2	141.9	.94	5.094	87.3	444.7	.479
.4800	.9861	22.5	1826.6	5800.	153.3	144.0	.94	5.097	87.5	445.9	.488
.4900	.9867	22.0	1845.3	5708.	156.5	146.0	.93	5.100	87.7	447.0	.497
.5000	.9872	21.6	1864.0	5620.	159.6	148.1	.93	5.103	87.8	448.3	.506
.5100	.9877	21.2	1882.7	5534.	162.8	150.2	.92	5.105	88.0	449.3	.515
.5200	.9882	20.8	1901.4	5451.	166.1	152.4	.92	5.108	88.2	450.5	.524
.5300	.9886	20.4	1920.1	5371.	169.4	154.6	.91	5.110	88.3	451.4	.533
.5400	.9891	20.1	1938.8	5293.	172.7	156.9	.91	5.113	88.5	452.5	.542
.5500	.9895	19.7	1957.5	5217.	176.1	159.2	.90	5.115	88.6	453.4	.551
.5600	.9899	19.4	1976.2	5143.	179.5	161.5	.90	5.117	88.8	454.1	.560
.5700	.9903	19.0	1994.9	5071.	182.9	163.9	.90	5.119	88.9	455.0	.569
.5800	.9907	18.7	2013.6	5001.	186.4	166.4	.89	5.122	89.1	456.2	.578
.5900	.9911	18.4	2032.3	4931.	189.9	169.1	.89	5.125	89.2	457.2	.587
.6000	.9914	18.1	2051.0	4867.	193.5	171.9	.89	5.127	89.3	458.0	.596
.6100	.9918	17.8	2069.7	4803.	197.1	174.4	.88	5.129	89.5	459.0	.605
.6200	.9921	17.5	2088.4	4740.	200.8	177.1	.88	5.130	89.6	459.6	.614
.6300	.9924	17.2	2107.1	4679.	204.6	179.9	.88	5.133	89.7	460.4	.623
.6400	.9928	17.0	2125.8	4620.	208.4	182.8	.88	5.135	89.8	461.2	.632
.6500	.9931	16.7	2144.5	4562.	212.3	185.7	.88	5.136	89.9	461.9	.641
.6600	.9934	16.5	2163.2	4505.	216.1	188.8	.87	5.138	90.0	462.7	.649
.6700	.9937	16.2	2181.9	4450.	220.1	191.9	.87	5.140	90.2	463.4	.658
.6800	.9939	16.0	2200.6	4397.	224.1	195.1	.87	5.142	90.3	464.1	.667
.6900	.9942	15.8	2219.3	4344.	228.2	198.5	.87	5.144	90.4	464.8	.676
.7000	.9945	15.6	2238.0	4293.	232.4	202.0	.87	5.145	90.5	465.5	.685
.7100	.9947	15.3	2256.7	4243.	236.6	205.5	.87	5.147	90.6	466.2	.694
.7200	.9950	15.1	2275.4	4194.	241.0	209.1	.87	5.149	90.7	466.8	.703
.7300	.9952	14.9	2294.1	4145.	245.4	212.8	.87	5.150	90.8	467.5	.712
.7400	.9955	14.7	2312.8	4099.	249.9	216.6	.87	5.152	90.9	468.1	.721
.7500	.9957	14.5	2331.5	4054.	254.4	220.6	.87	5.153	90.9	468.7	.730
.7600	.9959	14.3	2350.2	4009.	259.1	225.0	.87	5.155	91.0	469.4	.739
.7700	.9961	14.2	2368.9	3965.	263.8	229.5	.87	5.157	91.1	470.0	.748
.7800	.9964	14.0	2387.6	3923.	268.7	233.8	.87	5.158	91.2	470.5	.757
.7900	.9966	13.8	2406.3	3881.	273.7	238.4	.87	5.159	91.3	471.0	.765
.8000	.9968	13.6	2425.0	3840.	278.7	243.2	.87	5.161	91.4	471.6	.774
.8100	.9970	13.5	2443.7	3800.	283.9	248.2	.87	5.163	91.5	472.2	.783
.8200	.9972	13.3	2462.4	3760.	289.2	253.4	.88	5.164	91.6	472.7	.792
.8300	.9974	13.2	2481.1	3722.	294.7	258.8	.88	5.165	91.7	473.2	.801
.8400	.9975	13.0	2499.8	3684.	300.2	264.3	.88	5.166	91.8	473.9	.810
.8500	.9977	12.9	2518.5	3647.	305.9	270.2	.88	5.168	91.8	474.3	.819
.8600	.9979	12.7	2537.2	3611.	311.8	276.3	.89	5.169	91.8	474.7	.828
.8700	.9981	12.6	2555.8	3576.	317.8	282.6	.89	5.170	91.9	475.2	.837
.8800	.9982	12.4	2574.5	3541.	324.0	289.2	.89	5.171	92.0	475.6	.845
.8900	.9984	12.3	2593.2	3509.	330.3	296.1	.90	5.173	92.0	476.1	.854
.9000	.9985	12.1	2611.9	3473.	336.9	303.4	.90	5.174	92.1	476.6	.863
.9100	.9987	12.0	2630.6	3441.	343.6	311.0	.91	5.175	92.2	477.1	.872
.9200	.9989	11.9	2649.3	3408.	350.5	319.0	.91	5.176	92.2	477.5	.881
.9300	.9990	11.8	2668.0	3377.	357.7	327.3	.92	5.177	92.3	477.9	.890
.9400	.9992	11.7	2686.7	3346.	365.1	336.2	.92	5.179	92.3	478.3	.899
.9500	.9993	11.5	2705.4	3315.	372.7	345.4	.93	5.179	92.4	478.6	.908
.9600	.9995	11.4	2724.1	3285.	380.6	355.2	.93	5.180	92.5	479.1	.917
.9700	.9996	11.3	2742.8	3254.	388.9	365.4	.94	5.180	92.5	479.5	.926
.9800	.9997	11.2	2761.5	3227.	397.3	376.5	.95	5.183	92.6	480.0	.934
.9900	.9999	11.1	2780.2	3199.	406.1	388.0	.96	5.184	92.7	480.3	.943
1.0000	1.0000	10.9	2798.9	3171.	415.3	400.4	.96	5.185	92.7	480.8	.952

TABLE 3. SATURATED CRITICAL FLOW PROPERTIES

(TO 500 K (PSAT 2639.6 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	KF
0.0000	0.0000	831.5	975.9	24305.	26.2	53.6	2.05	4.504	51.9	233.5	.043
.0100	.3887	513.4	993.8	23823.	28.6	57.3	2.00	4.488	55.1	247.1	.051
.0200	.5628	371.4	1012.0	23086.	31.2	61.0	1.95	4.487	58.1	260.7	.060
.0300	.6607	290.9	1030.3	22343.	33.9	64.4	1.90	4.493	60.9	273.6	.070
.0400	.7240	239.1	1048.6	21575.	36.5	67.6	1.85	4.502	63.4	285.4	.080
.0500	.7682	202.9	1066.8	20822.	39.2	70.5	1.80	4.513	65.6	296.2	.089
.0600	.8007	176.3	1085.1	19702.	41.9	73.3	1.75	4.524	67.6	305.8	.099
.0700	.8257	155.8	1103.3	19036.	44.6	75.9	1.70	4.536	69.4	314.0	.109
.0800	.8459	139.6	1121.6	18195.	47.3	78.4	1.66	4.547	71.1	323.3	.119
.0900	.8616	126.4	1139.9	17509.	49.9	80.7	1.62	4.558	72.6	330.9	.129
.1000	.8749	115.6	1158.1	16867.	52.6	82.9	1.58	4.569	74.0	337.9	.139
.1100	.8861	106.4	1176.4	16266.	55.2	85.1	1.54	4.579	75.2	344.4	.148
.1200	.8957	98.6	1194.6	15703.	57.8	87.2	1.51	4.588	76.4	350.4	.158
.1300	.9039	91.8	1212.9	15176.	60.5	89.1	1.47	4.598	77.4	356.1	.168
.1400	.9111	86.0	1231.2	14681.	63.2	91.1	1.44	4.607	78.4	361.4	.177
.1500	.9174	80.8	1249.4	14216.	65.8	93.0	1.41	4.615	79.4	366.3	.187
.1600	.9230	76.2	1267.7	13779.	68.5	94.8	1.39	4.624	80.2	371.0	.196
.1700	.9280	72.1	1285.9	13367.	71.1	96.6	1.36	4.632	81.0	375.4	.206
.1800	.9325	68.4	1304.2	12979.	73.8	98.4	1.33	4.639	81.8	379.5	.215
.1900	.9366	65.1	1322.5	12612.	76.4	100.2	1.31	4.646	82.5	383.4	.225
.2000	.9403	62.1	1340.7	12265.	79.1	101.9	1.28	4.653	83.2	387.1	.234
.2100	.9436	59.4	1359.0	11936.	81.7	103.6	1.27	4.660	83.8	390.6	.243
.2200	.9467	56.8	1377.3	11624.	84.4	105.3	1.25	4.666	84.4	393.9	.253
.2300	.9495	54.5	1395.5	11328.	87.1	107.0	1.23	4.673	85.0	397.1	.262
.2400	.9521	52.4	1413.8	11047.	89.8	108.7	1.21	4.679	85.5	400.1	.271
.2500	.9545	50.4	1432.0	10779.	92.5	110.4	1.19	4.685	86.0	403.1	.280
.2600	.9567	48.6	1450.3	10524.	95.2	112.0	1.18	4.690	86.5	405.8	.290
.2700	.9588	46.9	1468.5	10281.	97.9	113.7	1.16	4.696	87.0	408.4	.299
.2800	.9608	45.3	1486.8	10048.	100.7	115.4	1.15	4.701	87.4	411.0	.308
.2900	.9626	43.8	1505.1	9826.	103.4	117.1	1.13	4.706	87.8	413.3	.317
.3000	.9643	42.5	1523.3	9614.	106.2	118.8	1.12	4.710	88.3	415.7	.326
.3100	.9659	41.2	1541.6	9410.	108.9	120.5	1.11	4.715	88.6	417.9	.335
.3200	.9673	39.9	1559.8	9215.	111.7	122.2	1.10	4.719	89.0	420.0	.345
.3300	.9688	38.8	1578.1	9028.	114.5	123.9	1.08	4.724	89.4	422.1	.354
.3400	.9701	37.7	1596.4	8848.	117.4	125.6	1.07	4.728	89.7	424.1	.363
.3500	.9713	36.7	1614.6	8675.	120.2	127.4	1.06	4.732	90.0	425.9	.372
.3600	.9725	35.7	1632.9	8509.	123.1	129.2	1.05	4.736	90.4	427.9	.381
.3700	.9737	34.8	1651.1	8349.	125.9	130.9	1.04	4.740	90.6	429.6	.390
.3800	.9747	33.9	1669.4	8195.	128.8	132.7	1.03	4.743	90.9	431.3	.399
.3900	.9758	33.0	1687.7	8047.	131.8	134.5	1.02	4.747	91.2	432.9	.408
.4000	.9767	32.3	1705.9	7904.	134.7	136.3	1.01	4.750	91.5	434.4	.417
.4100	.9777	31.5	1724.2	7766.	137.7	138.2	1.00	4.753	91.7	436.0	.426
.4200	.9785	30.8	1742.4	7632.	140.7	140.1	1.00	4.757	92.0	437.5	.435
.4300	.9794	30.1	1760.7	7500.	143.7	142.1	.99	4.760	92.2	439.1	.444
.4400	.9802	29.4	1779.0	7379.	146.7	144.0	.98	4.763	92.5	440.4	.453
.4500	.9810	28.8	1797.2	7259.	149.8	146.0	.97	4.766	92.7	441.8	.462
.4600	.9817	28.2	1815.5	7142.	152.9	148.0	.97	4.769	92.9	443.0	.471
.4700	.9824	27.6	1833.7	7029.	156.0	150.0	.96	4.772	93.1	444.4	.480
.4800	.9831	27.1	1852.0	6920.	159.1	152.1	.96	4.774	93.3	445.6	.489
.4900	.9837	26.5	1870.3	6814.	162.3	154.2	.95	4.777	93.5	446.8	.498
.5000	.9844	26.0	1888.5	6711.	165.5	156.4	.94	4.780	93.7	448.0	.507
.5100	.9850	25.5	1906.8	6611.	168.8	158.6	.94	4.782	93.9	449.1	.516
.5200	.9855	25.0	1925.0	6514.	172.1	160.8	.93	4.785	94.1	450.2	.525
.5300	.9861	24.6	1943.3	6420.	175.4	163.1	.93	4.787	94.3	451.3	.534
.5400	.9866	24.1	1961.6	6329.	178.7	165.4	.93	4.790	94.4	452.3	.542
.5500	.9872	23.7	1979.8	6240.	182.1	167.8	.92	4.792	94.6	453.3	.551
.5600	.9877	23.3	1998.1	6154.	185.5	170.3	.92	4.795	94.8	454.4	.560
.5700	.9882	22.9	2016.3	6070.	189.0	172.8	.91	4.797	94.9	455.4	.569
.5800	.9886	22.5	2034.6	5988.	192.5	175.3	.91	4.799	95.1	456.3	.578
.5900	.9891	22.1	2052.9	5909.	196.1	177.9	.91	4.801	95.2	457.2	.587
.6000	.9895	21.8	2071.1	5832.	199.7	180.6	.90	4.803	95.4	458.2	.596
.6100	.9899	21.4	2089.4	5756.	203.3	183.3	.90	4.805	95.5	459.0	.605
.6200	.9904	21.1	2107.6	5683.	207.0	186.1	.90	4.807	95.7	459.8	.614
.6300	.9908	20.8	2125.9	5611.	210.8	189.0	.90	4.809	95.8	460.7	.623
.6400	.9911	20.5	2144.2	5541.	214.6	191.9	.89	4.811	95.9	461.5	.632
.6500	.9915	20.1	2162.4	5473.	218.4	194.9	.89	4.813	96.1	462.3	.640
.6600	.9919	19.9	2180.7	5407.	222.3	198.0	.89	4.814	96.2	463.1	.649
.6700	.9922	19.6	2199.0	5342.	226.3	201.2	.89	4.816	96.3	463.9	.658
.6800	.9926	19.3	2217.2	5278.	230.3	204.5	.89	4.818	96.4	464.6	.667
.6900	.9929	19.0	2235.5	5217.	234.4	207.9	.89	4.820	96.6	465.3	.676
.7000	.9932	18.7	2253.7	5156.	238.6	211.3	.89	4.821	96.7	466.1	.685
.7100	.9936	18.5	2272.0	5097.	242.8	214.9	.89	4.823	96.8	466.8	.693
.7200	.9939	18.2	2290.2	5040.	247.1	218.6	.88	4.825	96.9	467.5	.702
.7300	.9942	18.0	2308.5	4983.	251.4	222.3	.88	4.826	97.0	468.0	.711
.7400	.9944	17.8	2326.8	4928.	255.8	226.2	.88	4.828	97.1	468.6	.720
.7500	.9947	17.5	2345.0	4874.	260.3	230.3	.88	4.829	97.2	469.4	.729
.7600	.9950	17.3	2363.3	4821.	265.1	234.4	.88	4.830	97.3	469.9	.738
.7700	.9953	17.1	2381.5	4770.	269.8	238.7	.88	4.832	97.4	470.6	.747
.7800	.9955	16.9	2399.8	4719.	274.6	243.2	.89	4.833	97.5	471.2	.755
.7900	.9958	16.6	2418.1	4670.	279.5	247.9	.89	4.834	97.6	471.8	.764
.8000	.9960	16.4	2436.3	4621.	284.5	252.5	.89	4.836	97.7	472.3	.773
.8100	.9963	16.2	2454.6	4574.	289.6	257.5	.89	4.838	97.8	473.0	.782
.8200	.9965	16.1	2472.8	4527.	294.9	262.5	.89	4.839	97.8	473.4	.790
.8300	.9968	15.8	2491.1	4482.	300.2	267.8	.89	4.840	97.9	474.0	.800
.8400	.9970	15.7	2509.4	4437.	305.7	273.4	.89	4.842	98.0	474.6	.808
.8500	.9972	15.5	2527.6	4394.	311.2	279.1	.90	4.843	98.1	475.1	.817
.8600	.9974	15.3	2545.9	4351.	317.0	285.0	.90	4.844	98.2	475.6	.826
.8700	.9976	15.1	2564.1	4309.	322.8	291.1	.90	4.845	98.3	476.0	.835
.8800	.9978	15.0	2582.4	4267.	328.9	297.4	.90	4.846	98.3	476.5	.844
.8900	.9980	14.8	2600.7	4227.	335.0	304.0	.91	4.848	98.4	477.2	.852
.9000	.9982	14.7	2618.9	4187.	341.3	311.3	.91	4.849	98.5	477.6	.861
.9100	.9984	14.5	2637.2	4149.	347.8	318.7	.92	4.850	98.6	478.1	.870
.9200	.9986	14.3	2655.4	4110.	354.6	326.3	.92	4.851	98.6	478.4	.879
.9300	.9988	14.2	2673.7	4072.	361.4	334.3	.93	4.852	98.7	479.0	.888
.9400	.9990	14.0	2692.0	4036.	368.6	342.8	.93	4.853	98.8	479.4	.896
.9500	.9992	13.9	2710.2	3999.	375.9	351.5	.94	4.854	98.9	479.9	.905
.9600	.9993	13.7	2728.5	3964.	383.6	360.8	.94	4.855	98.9	480.4	.914
.9700	.9995	13.6	2746.7	3929.	391.5	370.5	.95	4.856	99.0	480.7	.923
.9800	.9997	13.5	2765.0	3895.	399.7	380.7	.95	4.857	99.0	481.0	.932
.9900	.9998	13.3	2783.3	3861.	407.7	391.6	.96	4.858	99.1	481.5	.940
1.0000	1.0000	13.2	2801.5	3828.	416.3	403.1	.97	4.859	99.2	482.0	.949

TABLE 3. SATURATED CRITICAL FLOW PROPERTIES

(TO 510 K (PSAT 3166.3 KPA))

XD	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	RAVG	SLIP	VL M/S	VV M/S	XE
0.0000	0.0000	918.0	1022.6	26567.	30.1	58.7	1.95	4.239	56.6	240.0	.047
.0100	.3427	543.1	1040.4	26071.	32.6	62.3	1.92	4.220	59.7	257.4	.055
.0200	.4150	406.8	1058.2	25546.	34.9	66.0	1.89	4.226	63.4	264.8	.064
.0300	.4548	324.8	1076.0	24990.	37.3	69.7	1.87	4.250	66.9	276.0	.074
.0400	.4826	270.4	1093.8	24402.	39.7	73.4	1.84	4.267	70.4	287.7	.084
.0500	.5010	231.7	1111.6	23782.	42.1	77.1	1.83	4.285	73.9	297.6	.094
.0600	.5172	202.6	1129.4	23079.	46.0	78.3	1.70	4.255	72.1	306.8	.103
.0700	.5306	180.2	1147.2	22444.	48.7	80.9	1.66	4.264	73.9	315.3	.113
.0800	.5418	162.2	1165.0	21797.	51.4	83.5	1.62	4.274	75.6	323.2	.123
.0900	.5512	147.2	1182.8	21091.	54.1	86.0	1.59	4.283	77.2	330.5	.132
.1000	.5615	134.9	1200.6	20324.	56.8	88.2	1.55	4.292	78.6	337.3	.142
.1100	.5645	124.5	1218.4	19495.	59.5	90.4	1.52	4.301	79.9	343.6	.152
.1200	.5756	115.6	1236.2	18601.	62.2	92.5	1.49	4.310	81.1	349.5	.161
.1300	.5802	107.9	1254.0	17643.	64.9	94.5	1.46	4.318	82.2	354.9	.171
.1400	.5837	101.3	1271.8	16614.	67.6	96.6	1.43	4.326	83.2	360.1	.180
.1500	.6011	95.2	1289.6	15516.	70.3	98.6	1.40	4.334	84.2	365.0	.190
.1600	.9077	89.9	1307.4	15845.	73.0	100.5	1.38	4.341	85.1	369.6	.199
.1700	.9130	85.0	1325.2	15400.	75.6	102.4	1.35	4.348	86.0	373.9	.209
.1800	.9189	80.6	1343.0	14978.	78.3	104.3	1.33	4.355	86.8	378.0	.218
.1900	.9237	77.0	1360.8	14578.	81.0	106.1	1.31	4.362	87.5	381.9	.227
.2000	.9281	73.5	1378.6	14198.	83.8	108.0	1.29	4.368	88.3	385.5	.237
.2100	.9321	70.3	1396.3	13837.	86.5	109.7	1.27	4.374	88.9	389.0	.246
.2200	.9357	67.4	1414.1	13493.	89.2	111.5	1.25	4.380	89.6	392.3	.255
.2300	.9391	64.7	1431.9	13167.	91.9	113.3	1.23	4.385	90.2	395.5	.264
.2400	.9422	62.2	1449.7	12856.	94.6	114.9	1.22	4.391	90.8	398.5	.274
.2500	.9451	59.9	1467.5	12558.	97.4	116.8	1.20	4.396	91.3	401.4	.283
.2600	.9477	57.8	1485.3	12274.	100.1	118.6	1.18	4.402	91.8	404.3	.292
.2700	.9502	55.8	1503.1	12003.	102.8	120.3	1.17	4.407	92.3	406.9	.301
.2800	.9526	53.9	1520.9	11743.	105.5	122.0	1.16	4.411	92.8	409.5	.310
.2900	.9547	52.2	1538.7	11494.	108.3	123.7	1.14	4.415	93.3	411.9	.319
.3000	.9568	50.5	1556.5	11255.	111.1	125.6	1.13	4.420	93.7	414.3	.328
.3100	.9587	49.0	1574.3	11026.	114.1	127.4	1.12	4.425	94.1	416.5	.337
.3200	.9605	47.5	1592.1	10806.	116.9	129.2	1.10	4.429	94.5	418.6	.346
.3300	.9622	46.2	1609.9	10595.	119.8	131.0	1.09	4.433	94.9	420.7	.355
.3400	.9638	44.9	1627.7	10392.	122.6	132.8	1.08	4.437	95.3	422.7	.364
.3500	.9653	43.7	1645.5	10196.	125.5	134.6	1.07	4.441	95.6	424.7	.373
.3600	.9667	42.6	1663.3	10008.	128.4	136.4	1.06	4.444	96.0	426.6	.382
.3700	.9681	41.5	1681.1	9827.	131.3	138.3	1.05	4.448	96.3	428.5	.391
.3800	.9694	40.4	1698.9	9651.	134.2	140.2	1.04	4.451	96.6	430.2	.400
.3900	.9706	39.4	1716.7	9482.	137.2	142.0	1.04	4.454	96.9	431.8	.409
.4000	.9718	38.5	1734.5	9319.	140.2	143.9	1.03	4.458	97.2	433.4	.419
.4100	.9729	37.6	1752.3	9162.	143.2	145.9	1.02	4.461	97.5	435.1	.427
.4200	.9739	36.7	1770.1	9009.	146.3	147.8	1.01	4.464	97.8	436.5	.436
.4300	.9750	35.9	1787.9	8862.	149.3	149.8	1.00	4.467	98.1	438.0	.445
.4400	.9760	35.1	1805.7	8719.	152.3	151.8	1.00	4.470	98.3	439.5	.454
.4500	.9769	34.4	1823.5	8581.	155.4	153.9	.99	4.473	98.6	440.9	.463
.4600	.9778	33.7	1841.3	8447.	158.5	156.0	.98	4.475	98.8	442.2	.472
.4700	.9786	33.0	1859.1	8318.	161.7	158.1	.98	4.478	99.0	443.5	.481
.4800	.9794	32.3	1876.9	8192.	164.8	160.3	.97	4.481	99.3	444.8	.490
.4900	.9802	31.7	1894.7	8070.	168.1	162.4	.97	4.483	99.5	446.0	.499
.5000	.9810	31.1	1912.5	7952.	171.3	164.6	.96	4.486	99.7	447.2	.507
.5100	.9817	30.5	1930.3	7837.	174.6	166.9	.96	4.488	99.9	448.4	.516
.5200	.9824	29.9	1948.1	7725.	177.9	169.2	.95	4.491	100.1	449.7	.525
.5300	.9831	29.4	1965.9	7616.	181.2	171.5	.95	4.493	100.3	450.8	.534
.5400	.9838	28.9	1983.7	7511.	184.5	173.9	.94	4.495	100.5	451.8	.543
.5500	.9844	28.4	2001.5	7408.	188.0	176.4	.94	4.498	100.7	452.9	.552
.5600	.9850	27.9	2019.3	7308.	191.4	178.8	.93	4.500	100.9	453.9	.561
.5700	.9856	27.4	2037.1	7211.	194.9	181.4	.93	4.502	101.1	455.0	.569
.5800	.9862	26.9	2054.9	7116.	198.4	184.0	.93	4.504	101.2	455.8	.578
.5900	.9867	26.5	2072.6	7024.	202.0	186.6	.92	4.506	101.4	456.8	.587
.6000	.9873	26.1	2090.4	6934.	205.6	189.4	.92	4.508	101.6	457.8	.596
.6100	.9878	25.7	2108.2	6847.	209.2	192.1	.92	4.510	101.7	458.7	.605
.6200	.9883	25.3	2126.0	6761.	212.8	194.9	.92	4.512	101.9	459.5	.613
.6300	.9888	24.9	2143.8	6678.	216.4	197.8	.91	4.513	102.0	460.4	.622
.6400	.9892	24.5	2161.6	6597.	220.1	200.8	.91	4.515	102.1	461.3	.631
.6500	.9897	24.1	2179.4	6518.	224.3	203.9	.91	4.517	102.3	462.1	.640
.6600	.9901	23.8	2197.2	6440.	228.2	207.0	.91	4.519	102.4	463.0	.649
.6700	.9905	23.4	2215.0	6365.	232.0	210.2	.91	4.521	102.6	463.8	.657
.6800	.9910	23.1	2232.8	6291.	236.5	213.5	.90	4.522	102.7	464.6	.666
.6900	.9914	22.8	2250.6	6219.	240.2	216.9	.90	4.524	102.8	465.3	.675
.7000	.9918	22.5	2268.4	6148.	244.4	220.4	.90	4.526	103.0	466.0	.684
.7100	.9922	22.1	2286.2	6079.	248.6	224.0	.90	4.527	103.1	466.8	.693
.7200	.9925	21.8	2304.0	6012.	252.9	227.6	.90	4.529	103.2	467.4	.701
.7300	.9929	21.6	2321.8	5946.	257.2	231.4	.90	4.530	103.3	468.1	.710
.7400	.9932	21.3	2339.6	5881.	261.6	235.3	.90	4.532	103.5	468.8	.719
.7500	.9936	21.0	2357.4	5818.	266.1	239.3	.90	4.533	103.6	469.4	.728
.7600	.9939	20.7	2375.2	5757.	270.7	243.4	.90	4.535	103.7	470.1	.736
.7700	.9942	20.5	2393.0	5696.	275.3	247.7	.90	4.536	103.8	470.8	.745
.7800	.9946	20.2	2410.8	5637.	280.0	252.1	.90	4.538	103.9	471.4	.754
.7900	.9949	20.0	2428.6	5579.	284.6	256.6	.90	4.539	104.0	472.0	.763
.8000	.9952	19.7	2446.4	5523.	289.9	261.3	.90	4.540	104.1	472.7	.772
.8100	.9955	19.5	2464.2	5467.	294.8	266.1	.90	4.542	104.2	473.3	.780
.8200	.9958	19.3	2482.0	5412.	299.9	271.1	.90	4.543	104.3	473.8	.789
.8300	.9960	19.0	2499.8	5359.	305.1	276.3	.91	4.544	104.4	474.3	.798
.8400	.9963	18.8	2517.6	5305.	310.5	281.7	.91	4.545	104.5	474.8	.807
.8500	.9966	18.6	2535.4	5255.	315.9	287.3	.91	4.546	104.6	475.5	.815
.8600	.9969	18.4	2553.2	5204.	321.5	293.1	.91	4.548	104.7	476.1	.824
.8700	.9971	18.2	2571.0	5155.	327.2	299.0	.91	4.549	104.8	476.5	.833
.8800	.9974	18.0	2588.8	5106.	333.0	305.1	.92	4.550	104.8	477.1	.841
.8900	.9976	17.8	2606.6	5059.	339.0	311.4	.92	4.551	104.9	477.5	.850
.9000	.9979	17.6	2624.4	5012.	345.1	318.0	.92	4.553	105.0	478.0	.859
.9100	.9981	17.4	2642.2	4966.	351.4	324.8	.93	4.553	105.1	478.5	.868
.9200	.9983	17.2	2660.0	4921.	357.9	331.8	.93	4.554	105.2	479.0	.876
.9300	.9985	17.0	2677.8	4877.	364.5	340.4	.93	4.555	105.3	479.5	.885
.9400	.9988	16.8	2695.6	4834.	371.3	349.4	.94	4.556	105.3	480.0	.894
.9500	.9990	16.7	2713.4	4791.	378.3	356.8	.94	4.557	105.4	480.4	.903
.9600	.9992	16.5	2731.2	4749.	385.5	365.6	.95	4.559	105.5	481.0	.911
.9700	.9994	16.3	2749.0	4708.	392.9	374.7	.95	4.560	105.6	481.4	.920
.9800	.9996	16.2	2766.8	4667.	400.5	384.3	.96	4.560	105.6	481.8	.929
.9900	.9998	16.0	2784.5	4628.	408.5	394.3	.97	4.561	105.7	482.2	.937
1.0000	1.0000	15.8	2802.3	4588.	416.8	404.0	.97	4.563	105.8	482.6	.946

TABLE 3. SATURATED CRITICAL FLOW PROPERTIES

(TO 520 K (PSAT 3770.2 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	803.8	1070.5	28918.	34.3	64.2	1.87	3.996	61.7	246.4	.052
.0100	.3003	568.1	1087.8	28406.	36.9	67.7	1.84	3.986	64.7	257.7	.060
.0200	.4644	439.3	1105.1	27708.	39.5	71.2	1.80	3.985	67.5	269.0	.069
.0300	.5679	358.1	1122.4	26918.	42.2	74.6	1.77	3.988	70.2	279.7	.078
.0400	.6391	303.2	1139.7	26093.	44.9	77.7	1.73	3.993	72.6	289.8	.088
.0500	.6910	261.4	1157.0	25265.	47.7	80.7	1.69	4.000	74.8	299.1	.098
.0600	.7306	230.4	1174.4	24453.	50.4	83.5	1.66	4.008	76.8	307.7	.107
.0700	.7618	205.9	1191.7	23657.	53.2	86.2	1.62	4.016	78.6	315.7	.117
.0800	.7890	186.1	1209.0	22913.	55.9	88.8	1.59	4.024	80.3	323.2	.127
.0900	.8078	169.8	1226.3	22193.	58.6	91.2	1.56	4.032	81.9	330.2	.136
.1000	.8252	156.1	1243.6	21509.	61.3	93.6	1.53	4.040	83.3	336.6	.146
.1100	.8400	144.5	1260.9	20858.	64.1	95.9	1.50	4.048	84.7	342.7	.155
.1200	.8528	134.4	1278.2	20241.	66.8	98.1	1.47	4.055	85.9	348.4	.165
.1300	.8639	125.7	1295.5	19655.	69.5	100.2	1.44	4.063	87.1	353.8	.174
.1400	.8737	118.1	1312.8	19100.	72.2	102.3	1.42	4.070	88.2	358.8	.184
.1500	.8823	111.3	1330.1	18574.	75.0	104.4	1.39	4.077	89.2	363.5	.193
.1600	.8900	105.2	1347.4	18072.	77.7	106.4	1.37	4.083	90.1	368.0	.202
.1700	.8969	99.8	1364.7	17596.	80.4	108.4	1.35	4.090	91.0	372.2	.212
.1800	.9032	94.9	1382.0	17143.	83.1	110.3	1.33	4.096	91.9	376.2	.221
.1900	.9088	90.5	1399.3	16713.	85.9	112.2	1.31	4.102	92.7	380.2	.230
.2000	.9140	86.4	1416.7	16302.	88.6	114.1	1.29	4.107	93.4	383.7	.239
.2100	.9187	82.8	1434.0	15911.	91.4	116.0	1.27	4.113	94.1	387.2	.249
.2200	.9230	79.4	1451.3	15538.	94.1	117.8	1.25	4.118	94.8	390.6	.258
.2300	.9270	76.2	1468.6	15181.	96.9	119.7	1.24	4.124	95.5	393.8	.267
.2400	.9306	73.4	1485.9	14840.	99.6	121.5	1.22	4.129	96.1	396.8	.276
.2500	.9341	70.7	1503.2	14514.	102.4	123.4	1.20	4.133	96.7	399.6	.285
.2600	.9372	68.2	1520.5	14201.	105.2	125.2	1.19	4.138	97.2	402.4	.294
.2700	.9402	65.9	1537.8	13902.	108.0	127.0	1.18	4.143	97.8	405.0	.303
.2800	.9429	63.7	1555.1	13615.	110.8	128.8	1.16	4.147	98.3	407.6	.312
.2900	.9455	61.7	1572.4	13339.	113.6	130.7	1.15	4.151	98.8	410.1	.321
.3000	.9479	59.8	1589.7	13074.	116.5	132.5	1.14	4.156	99.3	412.5	.330
.3100	.9502	58.0	1607.0	12820.	119.3	134.3	1.13	4.159	99.7	414.7	.339
.3200	.9524	56.3	1624.3	12575.	122.2	136.1	1.12	4.163	100.1	416.9	.348
.3300	.9544	54.7	1641.6	12339.	125.0	137.9	1.10	4.167	100.6	419.0	.357
.3400	.9563	53.2	1658.9	12112.	127.9	139.7	1.09	4.171	101.0	421.1	.366
.3500	.9581	51.8	1676.3	11893.	130.8	141.6	1.08	4.174	101.4	423.1	.375
.3600	.9598	50.4	1693.6	11681.	133.8	143.4	1.07	4.178	101.7	424.9	.384
.3700	.9615	49.2	1710.9	11477.	136.7	145.2	1.07	4.181	102.1	426.7	.393
.3800	.9630	47.9	1728.2	11281.	139.7	147.0	1.06	4.184	102.4	428.4	.402
.3900	.9645	46.8	1745.5	11090.	142.6	148.9	1.05	4.187	102.7	430.2	.411
.4000	.9659	45.7	1762.8	10906.	145.6	150.7	1.04	4.191	103.1	432.0	.420
.4100	.9672	44.6	1780.1	10728.	148.7	152.5	1.03	4.194	103.4	433.6	.429
.4200	.9685	43.6	1797.4	10555.	151.7	154.3	1.03	4.197	103.7	435.2	.438
.4300	.9697	42.7	1814.7	10389.	154.8	156.1	1.02	4.199	104.0	436.6	.446
.4400	.9709	41.7	1832.0	10227.	157.8	157.9	1.01	4.202	104.3	438.1	.455
.4500	.9720	40.9	1849.3	10071.	161.0	159.7	1.00	4.205	104.5	439.4	.464
.4600	.9731	40.0	1866.6	9919.	164.1	161.5	1.00	4.208	104.8	441.0	.473
.4700	.9741	39.2	1883.9	9771.	167.3	163.3	1.00	4.210	105.1	442.2	.482
.4800	.9751	38.4	1901.3	9628.	170.4	165.0	.99	4.213	105.3	443.6	.491
.4900	.9761	37.7	1918.6	9489.	173.7	166.8	.98	4.215	105.6	444.9	.499
.5000	.9770	37.0	1935.9	9354.	176.9	168.5	.98	4.217	105.8	446.1	.508
.5100	.9779	36.3	1953.2	9223.	180.2	170.2	.97	4.220	106.0	447.4	.517
.5200	.9787	35.6	1970.5	9094.	183.5	171.9	.97	4.222	106.2	448.5	.526
.5300	.9796	35.0	1987.8	8971.	186.8	173.6	.96	4.224	106.4	449.6	.534
.5400	.9803	34.3	2005.1	8850.	190.2	175.3	.96	4.226	106.7	450.8	.543
.5500	.9811	33.7	2022.4	8732.	193.6	176.9	.95	4.229	106.9	452.0	.552
.5600	.9818	33.2	2039.7	8618.	197.0	178.6	.95	4.231	107.1	453.0	.561
.5700	.9826	32.6	2057.0	8506.	200.5	180.2	.95	4.233	107.3	454.0	.570
.5800	.9832	32.1	2074.3	8398.	204.0	181.8	.94	4.235	107.4	455.0	.579
.5900	.9839	31.5	2091.6	8292.	207.6	183.4	.94	4.237	107.6	456.0	.587
.6000	.9846	31.0	2108.9	8188.	211.2	184.9	.94	4.238	107.8	456.9	.596
.6100	.9852	30.6	2126.2	8088.	214.8	186.5	.93	4.240	108.0	457.9	.605
.6200	.9858	30.1	2143.6	7989.	218.5	188.0	.93	4.242	108.1	458.7	.614
.6300	.9864	29.6	2160.9	7893.	222.3	189.5	.93	4.244	108.3	459.6	.623
.6400	.9869	29.2	2178.2	7800.	226.0	191.0	.93	4.245	108.5	460.5	.631
.6500	.9875	28.7	2195.5	7709.	229.8	192.6	.92	4.247	108.6	461.5	.639
.6600	.9880	28.3	2212.8	7619.	233.7	194.1	.92	4.249	108.8	462.2	.648
.6700	.9885	27.9	2230.1	7532.	237.7	195.6	.92	4.250	108.9	463.0	.657
.6800	.9890	27.5	2247.4	7446.	241.6	197.1	.92	4.252	109.1	463.8	.666
.6900	.9895	27.1	2264.7	7363.	245.7	198.6	.92	4.254	109.2	464.7	.674
.7000	.9900	26.8	2282.0	7281.	249.8	200.1	.92	4.255	109.4	465.4	.683
.7100	.9905	26.4	2299.3	7202.	253.9	201.6	.92	4.257	109.5	466.2	.692
.7200	.9909	26.0	2316.6	7124.	258.1	203.1	.92	4.258	109.7	467.0	.700
.7300	.9914	25.7	2333.9	7047.	262.4	204.6	.91	4.259	109.8	467.5	.709
.7400	.9918	25.4	2351.2	6972.	266.8	206.0	.91	4.261	109.9	468.3	.718
.7500	.9922	25.0	2368.5	6899.	271.2	207.5	.91	4.262	110.0	469.0	.726
.7600	.9926	24.7	2385.9	6828.	275.7	208.9	.91	4.264	110.2	469.7	.735
.7700	.9930	24.4	2403.2	6757.	280.2	210.3	.91	4.265	110.3	470.4	.744
.7800	.9934	24.1	2420.5	6689.	284.9	211.7	.91	4.267	110.4	471.0	.753
.7900	.9938	23.8	2437.8	6621.	289.6	213.1	.91	4.268	110.5	471.8	.761
.8000	.9942	23.5	2455.1	6555.	294.4	214.5	.92	4.269	110.6	472.4	.770
.8100	.9945	23.2	2472.4	6491.	299.3	215.9	.92	4.271	110.8	473.0	.778
.8200	.9949	23.0	2489.7	6427.	304.3	217.3	.92	4.272	110.9	473.5	.787
.8300	.9952	22.7	2507.0	6365.	309.4	218.7	.92	4.273	111.0	474.2	.796
.8400	.9955	22.4	2524.3	6304.	314.6	220.1	.92	4.274	111.1	474.8	.804
.8500	.9959	22.2	2541.6	6244.	319.9	221.5	.92	4.275	111.2	475.3	.813
.8600	.9962	21.9	2558.9	6185.	325.3	222.9	.92	4.276	111.3	475.9	.822
.8700	.9965	21.7	2576.2	6128.	330.9	224.3	.93	4.277	111.4	476.4	.830
.8800	.9968	21.4	2593.5	6071.	336.5	225.7	.93	4.279	111.5	477.1	.839
.8900	.9971	21.2	2610.8	6016.	342.3	227.1	.93	4.280	111.6	477.5	.848
.9000	.9974	21.0	2628.2	5961.	348.2	228.4	.93	4.281	111.7	478.0	.856
.9100	.9977	20.7	2645.5	5908.	354.2	229.8	.93	4.283	111.8	478.7	.865
.9200	.9980	20.5	2662.8	5855.	360.4	231.2	.94	4.283	111.9	479.1	.874
.9300	.9982	20.3	2680.1	5803.	366.7	232.5	.94	4.284	111.9	479.6	.882
.9400	.9985	20.1	2697.4	5753.	373.2	233.9	.94	4.285	112.0	480.2	.891
.9500	.9988	19.9	2714.7	5703.	379.9	235.2	.95	4.286	112.1	480.5	.899
.9600	.9990	19.7	2732.0	5654.	386.8	236.4	.95	4.287	112.2	481.0	.908
.9700	.9993	19.5	2749.3	5606.	393.8	237.7	.96	4.288	112.3	481.5	.916
.9800	.9995	19.3	2766.6	5558.	401.1	238.9	.96	4.289	112.4	481.9	.925
.9900	.9998	19.1	2783.9	5512.	408.5	240.2	.97	4.290	112.4	482.4	.933
1.0000	1.0000	18.9	2801.2	5466.	416.2	241.4	.98	4.291	112.5	482.9	.941

TABLE 3. SATURATED CRITICAL FLOW PROPERTIES

(TO 530 K (PSAT 4458.7 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	KF
0.0000	0.0000	788.8	1119.3	31352.	39.1	69.9	1.79	3.771	67.0	252.7	.057
.0100	.2816	588.4	1136.1	30821.	41.6	73.4	1.76	3.766	69.9	263.1	.065
.0200	.4345	469.1	1152.9	30138.	44.9	76.8	1.71	3.763	72.6	273.3	.074
.0300	.5307	390.4	1169.7	29374.	47.0	80.2	1.70	3.765	75.3	283.0	.083
.0400	.6037	333.4	1186.5	28573.	49.9	83.2	1.67	3.769	77.8	292.5	.093
.0500	.6686	291.8	1203.3	27765.	52.5	86.2	1.64	3.775	79.7	300.9	.102
.0600	.6912	259.1	1220.1	26966.	55.2	89.0	1.61	3.787	81.7	308.9	.112
.0700	.7283	233.4	1236.8	26184.	58.0	91.7	1.58	3.798	83.5	316.4	.121
.0800	.7593	212.9	1253.6	25432.	60.7	94.3	1.55	3.795	85.2	323.4	.130
.0900	.7856	196.0	1270.4	24709.	63.5	96.8	1.53	3.802	86.8	330.0	.140
.1000	.7958	179.0	1287.2	24012.	66.2	99.2	1.50	3.809	88.2	336.1	.150
.1100	.8120	166.1	1304.0	23348.	69.0	101.5	1.47	3.813	89.6	341.9	.159
.1200	.8291	155.0	1320.8	22713.	71.7	103.8	1.45	3.822	90.9	347.4	.169
.1300	.8308	145.4	1337.6	22107.	74.5	106.0	1.42	3.829	92.1	352.4	.178
.1400	.8410	136.9	1354.3	21530.	77.2	108.2	1.40	3.835	93.3	357.4	.187
.1500	.8609	129.1	1371.1	20978.	79.9	110.3	1.38	3.841	94.3	362.0	.197
.1600	.8698	122.3	1387.9	20453.	82.7	112.4	1.36	3.846	95.2	366.4	.206
.1700	.8778	116.1	1404.7	19950.	85.4	114.4	1.34	3.852	96.1	370.5	.215
.1800	.8850	110.6	1421.5	19471.	88.2	116.4	1.32	3.858	97.0	374.4	.224
.1900	.8916	105.6	1438.3	19015.	90.9	118.4	1.30	3.863	97.9	378.1	.233
.2000	.8976	100.9	1455.1	18579.	93.7	120.4	1.28	3.868	98.7	381.8	.243
.2100	.9031	96.7	1471.8	18156.	96.5	122.3	1.27	3.874	99.5	385.3	.252
.2200	.9082	92.8	1488.6	17755.	99.2	124.2	1.25	3.878	100.2	388.6	.261
.2300	.9129	89.3	1505.4	17370.	102.0	126.1	1.24	3.883	100.9	391.9	.270
.2400	.9172	86.0	1522.2	17001.	104.8	128.0	1.22	3.887	101.5	394.6	.279
.2500	.9212	82.9	1539.0	16648.	107.6	130.0	1.21	3.892	102.1	397.5	.288
.2600	.9249	80.0	1555.8	16308.	110.4	131.8	1.19	3.896	102.7	400.3	.297
.2700	.9284	77.3	1572.6	15982.	113.2	133.7	1.18	3.901	103.3	403.0	.306
.2800	.9317	74.8	1589.4	15668.	116.0	135.6	1.17	3.905	103.9	405.6	.314
.2900	.9347	72.5	1606.2	15366.	118.9	137.5	1.16	3.908	104.4	407.9	.324
.3000	.9376	70.3	1622.9	15076.	121.7	139.4	1.15	3.912	104.9	410.3	.333
.3100	.9403	68.2	1639.7	14796.	124.6	141.3	1.13	3.916	105.4	412.6	.342
.3200	.9429	66.3	1656.5	14526.	127.4	143.2	1.12	3.920	105.8	414.8	.351
.3300	.9453	64.4	1673.3	14266.	130.4	145.1	1.11	3.923	106.3	417.0	.360
.3400	.9476	62.7	1690.1	14014.	133.3	147.1	1.10	3.926	106.7	419.0	.368
.3500	.9497	61.0	1706.9	13772.	136.2	149.0	1.09	3.930	107.1	420.9	.377
.3600	.9518	59.5	1723.6	13537.	139.1	151.0	1.09	3.933	107.5	422.9	.386
.3700	.9537	58.0	1740.4	13311.	142.1	153.0	1.08	3.936	107.9	424.7	.395
.3800	.9555	56.6	1757.2	13092.	145.1	155.0	1.07	3.939	108.3	426.6	.404
.3900	.9573	55.2	1774.0	12880.	148.0	157.0	1.06	3.942	108.6	428.3	.413
.4000	.9590	53.9	1790.8	12674.	151.1	159.0	1.05	3.945	109.0	430.0	.421
.4100	.9606	52.7	1807.6	12475.	154.1	161.1	1.05	3.948	109.3	431.6	.430
.4200	.9621	51.5	1824.4	12282.	157.2	163.2	1.04	3.951	109.7	433.2	.439
.4300	.9636	50.4	1841.2	12095.	160.3	165.2	1.03	3.953	110.0	434.8	.448
.4400	.9650	49.3	1857.9	11914.	163.3	167.4	1.02	3.956	110.3	436.2	.456
.4500	.9663	48.3	1874.7	11738.	166.4	169.6	1.02	3.959	110.6	437.9	.465
.4600	.9676	47.3	1891.5	11567.	169.6	171.7	1.01	3.961	110.9	439.2	.474
.4700	.9688	46.4	1908.3	11401.	172.7	173.9	1.01	3.963	111.1	440.5	.483
.4800	.9700	45.5	1925.1	11239.	175.9	176.1	1.00	3.966	111.4	441.8	.491
.4900	.9712	44.6	1941.9	11083.	179.1	178.4	1.00	3.968	111.7	443.2	.500
.5000	.9723	43.7	1958.6	10930.	182.4	180.7	.99	3.970	111.9	444.4	.509
.5100	.9733	42.9	1975.4	10782.	185.6	183.1	.99	3.972	112.2	445.7	.518
.5200	.9744	42.1	1992.2	10637.	188.9	185.5	.98	3.975	112.4	446.9	.526
.5300	.9753	41.4	2009.0	10497.	192.3	187.9	.98	3.977	112.6	448.1	.535
.5400	.9763	40.7	2025.8	10360.	195.6	190.4	.97	3.979	112.9	449.2	.544
.5500	.9772	40.0	2042.6	10226.	199.0	192.9	.97	3.981	113.1	450.3	.553
.5600	.9781	39.3	2059.4	10099.	202.5	195.4	.97	3.983	113.3	451.4	.561
.5700	.9789	38.6	2076.1	9968.	206.0	198.0	.96	3.985	113.6	452.5	.570
.5800	.9798	38.0	2092.9	9846.	209.4	200.7	.96	3.987	113.8	453.5	.579
.5900	.9806	37.4	2109.7	9727.	213.0	203.4	.96	3.988	114.0	454.5	.587
.6000	.9813	36.8	2126.5	9607.	216.5	206.2	.95	3.990	114.2	455.5	.596
.6100	.9821	35.2	2143.3	9492.	220.1	209.0	.95	3.992	114.3	456.5	.604
.6200	.9828	35.7	2160.1	9380.	223.8	211.8	.95	3.994	114.5	457.5	.613
.6300	.9835	35.1	2176.9	9. 71.	227.4	214.8	.94	3.995	114.7	458.3	.621
.6400	.9842	34.6	2193.6	9. 64.	231.2	217.8	.94	3.997	114.9	459.3	.630
.6500	.9849	34.1	2210.4	9059.	235.0	220.9	.94	3.999	115.1	460.2	.639
.6600	.9855	33.6	2227.2	8957.	238.9	224.0	.94	4.000	115.2	461.0	.647
.6700	.9862	33.1	2244.0	8857.	242.7	227.2	.94	4.002	115.4	461.9	.656
.6800	.9868	32.6	2260.8	8759.	246.7	230.5	.93	4.003	115.6	462.7	.665
.6900	.9874	32.2	2277.6	8664.	250.6	233.9	.93	4.005	115.7	463.6	.673
.7000	.9879	31.7	2294.4	8570.	254.7	237.3	.93	4.007	115.9	464.3	.682
.7100	.9885	31.3	2311.1	8479.	258.8	240.8	.93	4.009	116.0	465.1	.690
.7200	.9890	30.9	2327.9	8389.	262.9	244.4	.93	4.009	116.2	465.9	.699
.7300	.9896	30.5	2344.7	8301.	267.1	248.0	.93	4.011	116.3	466.7	.708
.7400	.9901	30.1	2361.5	8215.	271.4	251.8	.93	4.012	116.5	467.3	.716
.7500	.9906	29.7	2378.3	8131.	275.7	255.8	.93	4.014	116.6	468.1	.725
.7600	.9911	29.3	2395.1	8049.	280.1	259.9	.93	4.015	116.8	468.8	.733
.7700	.9916	29.0	2411.9	7968.	284.6	264.0	.93	4.016	116.9	469.5	.742
.7800	.9920	28.6	2428.6	7889.	289.1	268.3	.93	4.018	117.0	470.2	.750
.7900	.9925	28.3	2445.4	7811.	293.8	272.6	.93	4.019	117.2	470.4	.759
.8000	.9929	27.9	2462.2	7735.	298.5	277.0	.93	4.020	117.3	471.4	.768
.8100	.9934	27.6	2479.0	7661.	303.2	281.7	.93	4.021	117.4	472.1	.776
.8200	.9938	27.3	2495.8	7587.	308.0	286.3	.93	4.022	117.6	472.7	.785
.8300	.9942	26.9	2512.6	7518.	312.9	291.1	.93	4.024	117.7	473.4	.793
.8400	.9946	26.6	2529.4	7445.	318.1	296.4	.93	4.025	117.8	474.0	.802
.8500	.9950	26.3	2546.2	7376.	323.2	301.6	.93	4.026	117.9	474.7	.810
.8600	.9954	26.0	2562.9	7308.	328.4	307.0	.93	4.027	118.0	475.2	.819
.8700	.9958	25.7	2579.7	7241.	333.7	311.6	.93	4.029	118.2	475.8	.828
.8800	.9961	25.5	2596.5	7176.	339.0	317.3	.94	4.030	118.3	476.3	.836
.8900	.9965	25.2	2613.3	7112.	344.4	323.2	.94	4.032	118.4	476.8	.845
.9000	.9968	24.9	2630.1	7049.	350.4	330.5	.94	4.032	118.4	477.5	.853
.9100	.9972	24.6	2646.9	6987.	356.7	336.8	.95	4.033	118.5	478.0	.862
.9200	.9975	24.4	2663.7	6926.	362.1	342.3	.95	4.035	118.6	478.5	.870
.9300	.9979	24.1	2680.4	6866.	368.1	350.2	.95	4.035	118.7	479.0	.879
.9400	.9982	23.9	2697.2	6807.	374.4	355.7	.95	4.036	118.8	479.6	.887
.9500	.9985	23.6	2714.0	6749.	380.7	364.8	.96	4.037	118.9	480.1	.896
.9600	.9988	23.4	2730.8	6692.	387.2	372.5	.96	4.037	119.0	480.5	.904
.9700	.9991	23.2	2747.6	6636.	393.7	380.5	.97	4.039	119.1	481.1	.913
.9800	.9994	22.8	2764.4	6581.	400.7	388.8	.97	4.040	119.2	481.6	.922
.9900	.9997	22.7	2781.2	6527.	407.8	397.5	.97	4.040	119.3	482.0	.930
1.0000	1.0000	22.5	2797.9	6474.	415.0	406.5	.98	4.041	119.4	482.5	.939

TABLE 3. SATURATED CRITICAL FLOW PROPERTIES

(TO 540 K (PSAT 5239.5 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	773.0	1169.3	33859.	44.3	76.1	1.72	3.564	72.7	259.1	.063
.0100	.3266	603.9	1185.5	33312.	46.9	79.5	1.70	3.558	73.4	268.5	.071
.0200	.3918	484.5	1201.7	32800.	49.2	82.8	1.67	3.557	74.1	277.7	.080
.0300	.4378	420.1	1217.9	32300.	51.3	86.0	1.65	3.550	74.8	286.6	.088
.0400	.5493	364.6	1234.2	31815.	53.3	89.1	1.62	3.553	75.5	294.9	.098
.0500	.6042	322.0	1250.4	30340.	57.9	97.0	1.54	3.567	84.9	302.8	.108
.0600	.6493	288.4	1266.6	29939.	60.5	94.8	1.57	3.572	86.8	310.2	.117
.0700	.6858	260.6	1282.9	28793.	63.2	97.5	1.54	3.578	88.6	317.1	.126
.0800	.7161	238.6	1299.1	28046.	66.0	100.1	1.52	3.584	90.3	323.7	.136
.0900	.7415	219.6	1315.3	27323.	68.7	102.6	1.49	3.589	91.9	329.9	.145
.1000	.7632	203.4	1331.6	26625.	71.5	105.1	1.47	3.595	93.4	335.7	.154
.1100	.7819	189.4	1347.8	25933.	74.2	107.5	1.45	3.601	94.7	341.2	.164
.1200	.7982	177.3	1364.0	25308.	77.0	109.8	1.43	3.609	96.0	346.4	.173
.1300	.8126	166.9	1380.3	24689.	79.7	112.0	1.41	3.612	97.2	351.3	.182
.1400	.8252	157.8	1396.5	24093.	82.5	114.2	1.39	3.618	98.4	356.0	.192
.1500	.8365	149.8	1412.7	23526.	85.2	116.4	1.37	3.623	99.5	360.4	.201
.1600	.8467	141.0	1428.9	22981.	88.0	118.5	1.35	3.628	100.5	364.7	.210
.1700	.8559	134.5	1445.2	22459.	90.7	120.6	1.33	3.634	101.5	368.7	.219
.1800	.8642	128.0	1461.4	21956.	93.5	122.7	1.31	3.638	102.4	372.5	.228
.1900	.8718	122.3	1477.6	21474.	96.2	124.7	1.30	3.643	103.2	376.1	.237
.2000	.8788	117.1	1493.9	21012.	99.0	126.7	1.28	3.648	10 .1	379.7	.246
.2100	.8852	112.3	1510.1	20569.	101.9	128.7	1.26	3.653	104.9	383.0	.255
.2200	.8911	107.9	1526.3	20143.	104.6	130.7	1.25	3.657	105.6	386.3	.264
.2300	.8965	103.9	1542.5	19733.	107.4	132.7	1.24	3.661	106.3	389.3	.273
.2400	.9016	100.1	1558.8	19340.	110.2	134.7	1.22	3.665	107.0	392.3	.282
.2500	.9063	96.6	1575.0	18961.	113.0	136.6	1.21	3.669	107.7	395.1	.291
.2600	.9106	93.3	1591.2	18596.	115.8	138.6	1.20	3.673	108.3	397.9	.300
.2700	.9147	90.3	1607.5	18244.	118.6	140.5	1.18	3.677	108.9	400.5	.309
.2800	.9186	87.4	1623.7	17906.	121.4	142.5	1.17	3.681	109.5	403.0	.318
.2900	.9222	84.7	1639.9	17579.	124.3	144.4	1.16	3.685	110.1	405.5	.327
.3000	.9255	82.2	1656.1	17264.	127.1	146.4	1.15	3.688	110.6	407.9	.334
.3100	.9287	79.8	1672.4	16960.	130.0	148.3	1.14	3.691	111.1	410.1	.344
.3200	.9317	77.6	1688.6	16666.	132.9	150.3	1.13	3.694	111.6	412.3	.353
.3300	.9346	75.5	1704.8	16382.	135.8	152.2	1.12	3.698	112.0	414.4	.362
.3400	.9373	73.5	1721.1	16107.	138.7	154.2	1.11	3.701	112.5	416.5	.370
.3500	.9398	71.6	1737.3	15841.	141.6	156.2	1.10	3.703	112.9	418.2	.379
.3600	.9422	69.8	1753.5	15584.	144.5	158.3	1.09	3.707	113.4	420.4	.388
.3700	.9445	68.0	1769.8	15335.	147.5	160.3	1.09	3.710	113.8	422.3	.397
.3800	.9467	66.4	1786.0	15093.	150.5	162.3	1.08	3.713	114.2	424.1	.406
.3900	.9488	64.8	1802.2	14860.	153.4	164.4	1.07	3.716	114.6	425.8	.414
.4000	.9508	63.4	1818.4	14633.	156.4	166.5	1.06	3.719	115.0	427.6	.423
.4100	.9527	61.9	1834.7	14413.	159.5	168.6	1.06	3.721	115.3	429.2	.432
.4200	.9545	60.6	1850.9	14199.	162.5	170.7	1.05	3.724	115.7	430.8	.440
.4300	.9563	59.3	1867.1	13992.	165.6	172.8	1.04	3.726	116.0	432.4	.449
.4400	.9580	58.0	1883.4	13790.	168.7	174.9	1.04	3.729	116.4	434.0	.458
.4500	.9596	56.8	1899.6	13594.	171.8	177.2	1.03	3.731	116.7	435.4	.466
.4600	.9611	55.7	1915.8	13404.	174.9	179.4	1.03	3.733	117.0	436.8	.475
.4700	.9626	54.6	1932.1	13219.	178.1	181.6	1.02	3.736	117.3	438.2	.484
.4800	.9640	53.5	1948.3	13039.	181.4	183.9	1.01	3.738	117.6	439.6	.492
.4900	.9654	52.5	1964.5	12864.	184.6	186.2	1.01	3.740	117.9	440.9	.501
.5000	.9667	51.5	1980.7	12693.	187.8	188.6	1.00	3.742	118.2	442.3	.509
.5100	.9679	50.6	1997.0	12527.	190.9	190.9	1.00	3.744	118.4	443.5	.518
.5200	.9692	49.7	2013.2	12365.	194.2	193.3	1.00	3.746	118.7	444.7	.527
.5300	.9703	48.8	2029.4	12207.	197.4	195.8	.99	3.748	119.0	445.9	.535
.5400	.9715	47.9	2045.7	12053.	200.8	198.3	.99	3.751	119.2	447.1	.544
.5500	.9726	47.1	2061.9	11903.	204.2	200.8	.98	3.753	119.5	448.2	.552
.5600	.9736	46.3	2078.1	11757.	207.6	203.4	.98	3.754	119.7	449.3	.561
.5700	.9746	45.6	2094.3	11614.	211.0	206.0	.98	3.756	119.9	450.5	.570
.5800	.9756	44.8	2110.6	11475.	214.4	208.7	.97	3.758	120.2	451.6	.578
.5900	.9766	44.1	2126.8	11339.	218.0	211.4	.97	3.760	120.4	452.6	.587
.6000	.9775	43.4	2143.0	11206.	221.5	214.2	.97	3.762	120.6	453.6	.595
.6100	.9784	42.7	2159.3	11076.	225.1	217.0	.96	3.763	120.8	454.6	.604
.6200	.9793	42.1	2175.5	10949.	228.9	219.9	.96	3.765	121.0	455.5	.612
.6300	.9802	41.4	2191.7	10825.	232.3	222.8	.96	3.766	121.2	456.5	.621
.6400	.9810	40.9	2208.0	10704.	236.0	225.8	.96	3.768	121.4	457.4	.629
.6500	.9818	40.3	2224.2	10586.	239.8	228.8	.95	3.770	121.6	458.4	.638
.6600	.9825	39.7	2240.4	10470.	243.5	231.9	.95	3.771	121.8	459.3	.646
.6700	.9833	39.1	2256.6	10356.	247.3	235.1	.95	3.773	122.0	460.1	.655
.6800	.9840	38.6	2272.9	10245.	251.2	238.4	.95	3.774	122.1	461.0	.663
.6900	.9847	38.0	2289.1	10137.	255.1	241.7	.95	3.776	122.3	461.8	.672
.7000	.9854	37.5	2305.3	10030.	259.1	245.1	.95	3.777	122.5	462.7	.680
.7100	.9861	37.0	2321.6	9926.	263.1	248.6	.94	3.778	122.7	463.4	.689
.7200	.9868	36.5	2337.8	9824.	267.2	252.1	.94	3.780	122.8	464.2	.697
.7300	.9874	36.0	2354.0	9724.	271.3	255.7	.94	3.781	123.0	465.0	.706
.7400	.9880	35.6	2370.3	9626.	275.4	259.5	.94	3.783	123.1	465.8	.714
.7500	.9886	35.1	2386.5	9530.	279.7	263.3	.94	3.784	123.3	466.5	.723
.7600	.9892	34.7	2402.7	9436.	284.0	267.2	.94	3.785	123.4	467.2	.731
.7700	.9898	34.3	2418.9	9344.	288.3	271.2	.94	3.786	123.6	467.9	.740
.7800	.9904	33.8	2435.2	9254.	292.7	275.4	.94	3.788	123.7	468.6	.748
.7900	.9909	33.4	2451.4	9165.	297.2	279.6	.94	3.789	123.9	469.4	.757
.8000	.9915	33.0	2467.6	9078.	301.8	284.0	.94	3.790	124.0	470.1	.765
.8100	.9920	32.6	2483.9	8993.	306.4	288.4	.94	3.791	124.2	470.7	.774
.8200	.9925	32.3	2500.1	8909.	311.1	293.0	.94	3.793	124.3	471.4	.782
.8300	.9930	31.9	2516.3	8827.	315.9	297.7	.94	3.794	124.4	472.0	.791
.8400	.9935	31.5	2532.5	8746.	320.8	302.6	.94	3.795	124.6	472.7	.799
.8500	.9940	31.2	2548.8	8667.	325.7	307.6	.94	3.796	124.7	473.3	.807
.8600	.9944	30.8	2565.0	8589.	330.7	312.8	.95	3.797	124.8	473.9	.816
.8700	.9949	30.5	2581.2	8512.	335.9	318.1	.95	3.798	124.9	474.6	.824
.8800	.9953	30.1	2597.5	8437.	341.1	323.6	.95	3.799	125.1	475.1	.833
.8900	.9958	29.8	2613.7	8363.	346.4	329.3	.95	3.800	125.2	475.7	.841
.9000	.9962	29.5	2629.9	8291.	351.8	335.1	.95	3.801	125.3	476.2	.850
.9100	.9966	29.2	2646.2	8219.	357.4	341.1	.95	3.802	125.4	476.8	.858
.9200	.9970	28.9	2662.4	8149.	363.0	347.3	.96	3.803	125.5	477.3	.866
.9300	.9974	28.6	2678.6	8081.	368.7	353.8	.96	3.804	125.6	478.0	.875
.9400	.9978	28.3	2694.8	8013.	374.6	360.5	.96	3.805	125.7	478.5	.883
.9500	.9982	28.0	2711.1	7946.	380.6	367.4	.97	3.806	125.9	479.0	.892
.9600	.9986	27.7	2727.3	7881.	386.8	374.6	.97	3.807	126.0	479.6	.900
.9700	.9989	27.4	2743.5	7816.	393.1	382.0	.97	3.808	126.1	480.1	.909
.9800	.9993	27.2	2759.8	7753.	399.5	389.7	.98	3.809	126.2	480.5	.917
.9900	.9997	26.9	2776.0	7691.	406.1	397.7	.98	3.810	126.3	481.0	.926
1.0000	1.0000	26.7	2792.2	7629.	412.8	406.0	.98	3.811	126.3	481.4	.934

TABLE 3. SATURATED CRITICAL FLOW PROPERTIES

(TO 550 K (PSAT 6120.5 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	756.1	1220.4	36431.	50.0	82.8	1.65	3.370	78.7	265.3	.069
.0100	.1951	614.7	1236.1	35868.	52.6	86.0	1.63	3.367	81.3	273.8	.078
.0200	.3288	497.9	1247.3	35207.	55.3	89.2	1.61	3.366	83.8	282.0	.086
.0300	.4260	447.4	1253.3	34490.	58.0	92.5	1.59	3.368	86.3	290.1	.095
.0400	.5000	393.8	1263.0	33742.	60.7	95.8	1.57	3.370	88.8	297.6	.103
.0500	.5581	351.7	1269.6	32983.	63.4	98.2	1.55	3.374	90.5	304.8	.114
.0600	.6050	317.7	1274.2	32224.	66.2	101.0	1.53	3.378	92.2	311.6	.123
.0700	.6437	289.1	1279.5	31479.	68.9	103.8	1.50	3.383	94.0	318.0	.132
.0800	.6761	266.1	1284.5	30749.	71.6	106.5	1.48	3.388	95.7	324.4	.140
.0900	.7036	246.1	1291.4	30038.	74.4	109.2	1.46	3.391	97.2	329.8	.150
.1000	.7273	229.1	1294.8	29335.	77.1	111.8	1.44	3.397	98.7	335.3	.160
.1100	.7479	214.2	1302.4	28664.	79.9	113.5	1.42	3.402	100.1	340.5	.169
.1200	.7660	201.6	1308.9	28016.	82.6	116.2	1.41	3.408	101.4	345.4	.178
.1300	.7820	190.2	1313.0	27393.	85.3	118.8	1.39	3.413	102.7	350.1	.187
.1400	.7964	179.9	1317.5	26794.	88.1	121.4	1.38	3.417	103.9	354.5	.196
.1500	.8090	169.9	1324.9	26207.	90.8	122.9	1.35	3.422	104.9	358.8	.205
.1600	.8205	161.6	1330.6	25647.	93.6	124.8	1.33	3.426	105.9	362.8	.214
.1700	.8310	154.0	1333.2	25109.	96.3	127.0	1.32	3.431	106.8	366.7	.223
.1800	.8405	147.1	1337.8	24590.	99.1	129.2	1.30	3.434	107.8	370.4	.232
.1900	.8492	140.8	1343.5	24091.	101.8	131.2	1.29	3.440	108.7	373.9	.241
.2000	.8571	135.0	1353.1	23610.	104.6	133.2	1.27	3.444	109.6	379.3	.250
.2100	.8645	129.7	1348.7	23146.	107.4	135.3	1.26	3.448	110.4	380.6	.259
.2200	.8713	124.8	1350.4	22698.	110.1	137.3	1.25	3.452	111.2	384.8	.268
.2300	.8776	120.3	1350.0	22266.	112.9	139.3	1.23	3.456	111.9	386.7	.277
.2400	.8834	116.0	1359.9	21849.	115.7	141.3	1.22	3.460	112.6	388.7	.286
.2500	.8889	112.0	1611.9	21447.	118.4	143.3	1.21	3.463	113.3	392.5	.294
.2600	.8940	108.3	1620.9	21060.	121.3	145.3	1.20	3.467	114.0	395.1	.303
.2700	.8988	104.8	1624.9	20687.	124.1	147.3	1.19	3.470	114.8	396.8	.311
.2800	.9032	101.6	1634.3	20328.	126.8	149.3	1.18	3.473	115.4	400.2	.320
.2900	.9074	98.5	1673.8	19980.	129.8	151.3	1.16	3.480	116.4	404.0	.338
.3000	.9114	99.7	1683.4	19642.	132.5	153.3	1.16	3.480	116.4	404.0	.338
.3100	.9151	93.0	1725.1	19315.	135.5	155.3	1.15	3.483	116.9	407.3	.347
.3200	.9187	90.4	1720.7	18998.	138.3	157.3	1.14	3.487	117.4	409.4	.356
.3300	.9220	88.0	1736.3	18692.	141.2	159.4	1.13	3.490	117.9	411.6	.364
.3400	.9252	85.7	1751.9	18395.	144.1	161.4	1.12	3.493	118.4	413.6	.373
.3500	.9282	83.5	1759.6	18107.	147.0	163.4	1.11	3.499	118.9	415.6	.382
.3600	.9310	81.5	1783.2	17828.	150.0	165.5	1.10	3.498	119.3	417.4	.390
.3700	.9338	79.5	1798.8	17557.	153.0	167.6	1.09	3.501	119.8	419.2	.399
.3800	.9363	77.6	1814.5	17294.	155.8	169.6	1.08	3.503	120.2	421.0	.407
.3900	.9388	75.8	1830.4	17039.	158.8	171.7	1.08	3.506	120.6	422.9	.416
.4000	.9412	74.1	1848.4	16791.	161.8	173.8	1.07	3.508	121.0	424.6	.425
.4100	.9434	72.5	1861.4	16550.	164.8	176.0	1.07	3.511	121.4	426.4	.433
.4200	.9456	70.9	1879.0	16316.	167.8	178.1	1.06	3.514	121.8	427.9	.442
.4300	.9476	69.4	1892.5	16088.	170.9	180.3	1.06	3.516	122.2	429.5	.450
.4400	.9496	68.0	1908.3	15867.	173.9	182.5	1.05	3.518	122.5	431.0	.459
.4500	.9515	66.6	1923.9	15652.	177.0	184.7	1.04	3.521	122.9	432.6	.467
.4600	.9534	65.3	1939.5	15442.	180.1	186.9	1.04	3.523	123.2	434.0	.476
.4700	.9551	64.0	1955.2	15238.	183.2	189.2	1.03	3.525	123.5	435.4	.484
.4800	.9568	62.8	1970.8	15039.	186.4	191.5	1.03	3.527	123.9	436.8	.493
.4900	.9584	61.6	1986.4	14845.	189.5	193.8	1.02	3.529	124.2	438.1	.502
.5000	.9600	60.5	2002.1	14656.	192.7	196.2	1.02	3.531	124.5	439.5	.510
.5100	.9615	59.4	2017.7	14472.	195.9	198.6	1.01	3.533	124.7	440.7	.518
.5200	.9630	58.3	2033.3	14292.	199.2	201.0	1.01	3.535	125.0	442.0	.527
.5300	.9644	57.3	2049.0	14117.	202.5	203.5	1.00	3.537	125.3	443.3	.535
.5400	.9657	56.3	2064.6	13945.	205.7	205.9	1.00	3.539	125.6	444.4	.544
.5500	.9670	55.4	2080.2	13778.	209.1	208.5	1.00	3.541	125.9	445.6	.552
.5600	.9683	54.5	2095.9	13615.	212.6	211.1	.99	3.542	126.1	446.7	.561
.5700	.9695	53.6	2111.5	13456.	216.0	213.7	.99	3.544	126.4	447.8	.569
.5800	.9707	52.7	2127.1	13300.	219.5	216.3	.98	3.546	126.6	448.9	.578
.5900	.9719	51.9	2142.8	13148.	222.9	219.0	.98	3.547	126.8	450.0	.586
.6000	.9730	51.1	2158.4	13000.	226.1	221.9	.98	3.549	127.1	451.0	.595
.6100	.9741	50.3	2174.0	12854.	229.5	224.6	.98	3.551	127.3	452.0	.603
.6200	.9751	49.5	2189.7	12712.	233.0	227.4	.98	3.552	127.5	453.2	.611
.6300	.9761	48.8	2205.3	12573.	236.8	230.3	.97	3.554	127.7	454.0	.620
.6400	.9771	48.1	2220.9	12437.	240.4	233.3	.97	3.555	128.0	455.0	.628
.6500	.9781	47.4	2236.6	12304.	244.0	236.3	.97	3.557	128.2	456.0	.637
.6600	.9790	46.7	2252.2	12174.	247.7	239.4	.97	3.559	128.4	456.9	.645
.6700	.9799	46.1	2267.8	12046.	251.5	242.5	.96	3.560	128.6	457.7	.653
.6800	.9808	45.4	2283.5	11921.	255.2	245.8	.96	3.562	128.8	458.5	.662
.6900	.9816	44.8	2299.1	11799.	259.1	249.0	.96	3.563	129.0	459.5	.670
.7000	.9825	44.2	2314.7	11679.	262.9	252.3	.96	3.564	129.1	460.3	.679
.7100	.9833	43.6	2330.4	11562.	266.8	255.7	.96	3.565	129.3	461.1	.687
.7200	.9841	43.1	2346.0	11447.	270.8	259.2	.96	3.567	129.5	461.9	.695
.7300	.9848	42.5	2361.6	11334.	274.8	262.8	.96	3.568	129.7	462.6	.704
.7400	.9856	42.0	2377.3	11223.	278.9	266.4	.96	3.570	129.9	463.6	.712
.7500	.9863	41.4	2392.9	11114.	283.0	270.2	.95	3.571	130.0	464.4	.720
.7600	.9870	40.9	2408.5	11008.	287.1	273.9	.95	3.572	130.2	465.1	.729
.7700	.9877	40.4	2424.2	10904.	291.3	277.9	.95	3.573	130.4	465.9	.737
.7800	.9884	39.9	2439.8	10801.	295.6	281.8	.95	3.575	130.5	466.6	.745
.7900	.9890	39.4	2455.4	10701.	299.9	285.8	.95	3.576	130.7	467.4	.754
.8000	.9897	39.0	2471.1	10602.	304.4	290.1	.95	3.577	130.8	468.0	.762
.8100	.9903	38.5	2486.7	10505.	308.8	294.4	.95	3.578	131.0	468.7	.770
.8200	.9909	38.1	2502.3	10410.	313.4	298.9	.95	3.579	131.1	469.4	.778
.8300	.9915	37.6	2518.0	10316.	318.0	303.4	.95	3.580	131.3	470.0	.787
.8400	.9921	37.2	2533.6	10224.	322.6	308.0	.95	3.581	131.4	470.5	.795
.8500	.9927	36.8	2549.2	10134.	327.4	312.8	.96	3.582	131.6	471.3	.804
.8600	.9933	36.4	2564.9	10046.	332.2	317.7	.96	3.583	131.7	471.9	.812
.8700	.9938	36.0	2580.5	9959.	337.1	322.7	.96	3.584	131.8	472.4	.820
.8800	.9944	35.6	2596.1	9873.	342.1	327.8	.96	3.586	132.0	473.2	.829
.8900	.9949	35.2	2611.8	9789.	347.3	333.1	.96	3.586	132.1	473.8	.837
.9000	.9954	34.8	2627.4	9706.	352.5	338.5	.96	3.587	132.2	474.4	.845
.9100	.9959	34.5	2643.0	9625.	357.8	344.1	.96	3.589	132.4	475.0	.854
.9200	.9964	34.1	2658.7	9545.	363.2	349.8	.97	3.589	132.5	475.5	.862
.9300	.9969	33.8	2674.3	9466.	368.8	355.6	.97	3.591	132.6	476.2	.870
.9400	.9973	33.4	2689.9	9389.	374.5	361.6	.97	3.593	132.7	476.7	.879
.9500	.9978	33.1	2705.6	9313.	380.4	367.8	.97	3.592	132.8	477.2	.887
.9600	.9983	32.8	2721.2	9238.	386.4	374.2	.97	3.593	133.0	477.7	.895
.9700	.9987	32.4	2736.8	9164.	392.6	380.8	.97	3.594	133.1	478.3	.904
.9800	.9992	32.1	2752.5	9092.	399.0	387.6	.97	3.595	133.2	478.9	.912
.9900	.9996	31.8	2768.1	9021.	405.6	394.6	.97	3.596	133.3	479.4	.920
1.0000	1.0000	31.5	2783.7	8950.	412.4	401.9	.97	3.597	133.4	479.8	.929
					419.4	409.4	.98				
					426.6	417.2	.98				
					434.0	425.3	.98				
					441.7	433.6	.98				
					449.6	442.2	.98				
					457.8	451.1	.99				
					466.3	460.3	.99				
					475.0	469.8	.99				
					484.1	479.6	.99				
					493.5	489.6	.99				
					503.2	499.9	1.00				
					513.3	510.5	1.00				
					523.8	521.4	1.00				
					534.7	532.6	1.00				
					546.0	544.2	1.00				
					557.8	556.2	1.00				
					570.0	568.7	1.00				
					582.7	581.7	1.00				
					595.9	595.2	1.00				
					609.6	609.2	1.00				
					623.8	623.7	1.00				
					638.6	638.8	1.00				
					653.9	654.4	1.00				
					669.8	670.5	1.00				
					686.3	687.2	1.00				
					703.4	704.5	1.00				
					721.2	722.4	1.00				
					739.6	740.9	1.00				
					758.7	760.1	1.00				
					778.5	779.9	1.00				
					798.9	800.4	1.00				
					820.1	821.6	1.00				
					842.0	843.5	1.00				
					864.6	866.1	1.00				
					888.0	889.4	1.00				
					912.1	913.5	1.00				
					937.0	938.3	1.00				
					962.7	963.9	1.00				
					989.2	990.3	1.00				
					1016.6	1017.5	1.00				
					1044.8	1045.6	1.00				
					1073.9	1074.6	1.00				
					1103.9	1104.5	1.00				
					1134.8	1135.3	1.00				
					1166.7	1167.0	1.00				
					1199.5	1199.6	1.00				
					1233.3	1233.1	1.00				
					1268.0	1267.6	1.00				
					1303.7	1303.0	1.00				
					1340.4	1339.3	1.00				
					1378.1	1376.6	1.00				
					1416.8	1414.8	1.00				
					1456.6	1454.0	1.00				
					1497.4	1494.1	1.00				
					1539.3	1535.1	1.00				
					1582.3	1577.0	1.00				
					1626.4	1619.8	1.00				
					1671.7	1663.5	1.00				
					1718.2	1708.1	1.00				
					1765.9	1753.6	1.00				
					1815.0	1799.8	1.00				
					1865.3	1846.9	1.00				
					1916.9	1894.9	1.00				
					1969.9	1943.9	1.00				
					2024.3	1993.8	1.00				
					2080.2	2044.6	1.00				
					2137.5	2096.4	1.00				
					2196.4	2149.2	1.00				
					2256.8	2203.0	1.00				
					2318.8	2257.8	1.00				
					2382.4	2314.0	1.00				
					2447.7	2371.1	1.00				
					2514.7	2429.2	1.00				
					2583.4	2488.3	1.00				
					2653.9	2548.5	1.00				
					2726.2	2609.8	1.00				
					2800.4	2672.2	1.00				
					2876.5	2735.7	1.00				
					2954.5	2800.3	1.00				
					3034.5	2866.0	1.00				
					3116.5	2932.8	1.00				
					3200.5	3000.7	1.00				
					3286.6	3069.7	1.00				
					3374.8	3139.9	1.00				
					3465.1	3211.3	1.00				
					3557.6	3284.0	1.00				
					3652.3	3357.9	1.00				
					3749.3	3433.1	1.00				
					3848.6	3509.6	1.00				
					3950.2	3587.4	1.00				
					4054.3	3666.5	1.00				
					4160.8	3747.0	1.00				
					4269.8	3828.9	1.00				
					4381.3	3912.2	1.00				
					4495.4	3996.9	1.00				
					4612.1	4083.1	1.00				
					4731.4	4170.8	1.00				
					4853.4	4259.9	1.00				
					4978.1	4350.5	1.00				
					5105.5	4442.6	1.00				
					5235.7	4536.2	1.00				
					5368.7	4631.3	1.00				
					5504.5	4727.9	1.00				
					5643.2	4826.1	1.00				
					5784.8	4925.8	1.00				
					5929.3	5027.1	1.00				
					6076.8	5129.9	1.00				
					6227.2	5234.3	1.00				
					6380.6	5340.3	1.00				
					6537.0	5447.9	1.00				
					6696.4	5557.1	1.00				
					6858.8	5668.0	1.00				
					7024.3	5780.5	1.00				
					7192.8	5894.7	1.00				
					7364.4	6010.6	1.00				
					7539.1	6128.2	1.00				
					7716.9	6247.5	1.00				
					7897.8	6368.5	1.00				
					8081.9	6491.3	1.00				
					8269.2	6615.8	1.00				
					8459.7	6742.1	1.00				
					8653.4	6870.2	1.00				
					8850.4	7000.1	1.00				
					9050.6	7131.8	1.00				

TABLE 1. SATURATED CRITICAL FLOW PROPERTIES

(TO 560 K (PSAT 7110.3 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AMF M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	739.0	1273.1	39054.	56.4	86.9	1.59	3.190	85.1	271.5	.077
.0100	.1670	621.0	1288.1	37478.	59.0	93.0	1.58	3.187	87.6	279.1	.085
.0200	.2883	536.0	1303.1	37829.	61.6	96.1	1.56	3.187	89.9	286.5	.094
.0300	.3804	471.6	1318.1	37154.	64.3	99.2	1.54	3.188	92.1	293.5	.103
.0400	.4577	420.8	1333.1	36414.	67.0	102.4	1.53	3.191	94.2	300.5	.112
.0500	.5110	379.9	1348.0	35683.	69.7	104.8	1.50	3.194	96.1	307.0	.121
.0600	.5589	346.3	1363.0	34951.	72.4	107.5	1.49	3.197	98.0	313.7	.130
.0700	.5981	318.5	1378.0	34220.	75.1	110.2	1.47	3.204	99.7	320.1	.138
.0800	.6338	294.7	1393.0	33511.	77.8	112.9	1.45	3.209	101.3	326.4	.147
.0900	.6623	273.7	1408.0	32813.	80.5	115.5	1.43	3.209	102.8	332.5	.157
.1000	.6881	255.8	1423.0	32131.	83.2	117.9	1.41	3.213	104.3	338.0	.166
.1100	.7104	240.1	1438.0	31468.	85.9	120.1	1.40	3.218	105.6	342.9	.175
.1200	.7302	226.1	1453.0	30824.	88.6	122.2	1.38	3.224	106.7	347.4	.184
.1300	.7479	213.4	1468.0	30199.	91.3	124.2	1.37	3.226	108.1	351.9	.193
.1400	.7637	202.4	1483.0	29594.	94.1	127.0	1.35	3.230	109.4	356.1	.202
.1500	.7779	192.8	1498.0	29009.	96.8	129.2	1.33	3.235	110.4	359.1	.210
.1600	.7909	183.8	1512.9	28443.	99.5	131.4	1.32	3.239	111.5	361.9	.219
.1700	.8026	175.5	1527.9	27896.	102.2	133.5	1.31	3.243	112.4	364.7	.227
.1800	.8134	168.0	1542.9	27366.	105.0	135.7	1.29	3.247	113.3	368.2	.237
.1900	.8232	161.1	1557.9	26854.	107.9	137.8	1.28	3.250	114.3	371.6	.246
.2000	.8323	154.7	1572.9	26360.	110.4	139.9	1.27	3.254	115.2	374.9	.255
.2100	.8407	148.8	1587.9	25881.	113.2	141.9	1.25	3.258	116.0	378.0	.263
.2200	.8485	143.4	1602.8	25418.	116.0	144.0	1.24	3.261	116.8	381.0	.272
.2300	.8557	138.3	1617.8	24971.	118.7	146.0	1.23	3.265	117.6	384.0	.281
.2400	.8624	133.6	1632.8	24538.	121.5	148.1	1.22	3.268	118.4	386.9	.290
.2500	.8687	129.2	1647.8	24119.	124.2	150.2	1.21	3.271	119.1	389.5	.298
.2600	.8746	125.1	1662.8	23713.	127.0	152.2	1.20	3.275	119.7	392.1	.307
.2700	.8801	121.2	1677.8	23319.	129.8	154.2	1.19	3.278	120.4	394.7	.316
.2800	.8853	117.5	1692.8	22939.	132.6	156.2	1.17	3.281	121.0	397.1	.324
.2900	.8902	114.1	1707.8	22569.	135.4	158.3	1.17	3.284	121.7	399.5	.333
.3000	.8948	110.9	1722.8	22212.	138.2	160.3	1.16	3.287	122.2	401.7	.341
.3100	.8992	107.9	1737.8	21865.	141.1	162.3	1.15	3.290	122.8	404.0	.350
.3200	.9033	104.9	1752.7	21528.	143.9	164.3	1.14	3.293	123.3	406.1	.358
.3300	.9072	102.2	1767.7	21201.	146.7	166.4	1.13	3.295	123.9	408.2	.367
.3400	.9109	99.6	1782.7	20884.	149.6	168.5	1.13	3.298	124.4	410.2	.376
.3500	.9145	97.1	1797.7	20575.	152.5	170.6	1.12	3.301	124.9	412.2	.384
.3600	.9178	94.8	1812.7	20276.	155.4	172.6	1.11	3.303	125.4	414.1	.393
.3700	.9210	92.5	1827.7	19985.	158.3	174.7	1.10	3.306	125.8	416.0	.401
.3800	.9241	90.4	1842.7	19702.	161.2	176.8	1.09	3.308	126.3	417.8	.410
.3900	.9270	88.4	1857.7	19426.	164.1	178.9	1.09	3.311	126.7	419.6	.418
.4000	.9297	86.4	1872.7	19159.	167.1	181.1	1.08	3.313	127.2	421.3	.426
.4100	.9324	84.5	1887.7	18898.	170.1	183.1	1.08	3.315	127.5	422.7	.435
.4200	.9350	82.8	1902.6	18644.	173.0	185.4	1.07	3.317	128.0	424.5	.443
.4300	.9374	81.0	1917.6	18397.	176.0	187.6	1.07	3.320	128.4	426.1	.452
.4400	.9398	79.4	1932.6	18156.	179.1	189.8	1.06	3.322	128.7	427.6	.460
.4500	.9420	77.8	1947.6	17922.	182.1	192.0	1.05	3.324	129.1	429.2	.469
.4600	.9442	76.3	1962.6	17693.	185.1	194.3	1.05	3.326	129.5	430.6	.477
.4700	.9462	74.8	1977.6	17470.	188.2	196.6	1.04	3.328	129.8	432.1	.485
.4800	.9483	73.4	1992.6	17252.	191.3	198.9	1.04	3.330	130.2	433.5	.494
.4900	.9502	72.1	2007.6	17040.	194.4	201.2	1.03	3.332	130.5	434.8	.502
.5000	.9520	70.8	2022.6	16833.	197.6	203.5	1.03	3.334	130.8	436.1	.510
.5100	.9538	69.5	2037.6	16631.	200.7	205.9	1.03	3.336	131.1	437.4	.519
.5200	.9556	68.3	2052.5	16433.	203.9	208.4	1.02	3.338	131.4	438.7	.527
.5300	.9572	67.1	2067.5	16240.	207.1	210.8	1.02	3.339	131.7	439.8	.535
.5400	.9589	66.0	2082.5	16052.	210.4	213.3	1.01	3.342	132.0	441.2	.544
.5500	.9604	64.9	2097.5	15868.	213.6	215.8	1.01	3.343	132.3	442.3	.552
.5600	.9619	63.9	2112.5	15688.	216.9	218.4	1.01	3.345	132.6	443.4	.560
.5700	.9634	62.8	2127.5	15512.	220.2	221.0	1.00	3.347	132.8	444.6	.569
.5800	.9648	61.8	2142.5	15340.	223.6	223.6	1.00	3.348	133.1	445.7	.577
.5900	.9662	60.9	2157.5	15172.	226.9	226.3	1.00	3.350	133.4	446.8	.585
.6000	.9675	59.9	2172.5	15007.	230.3	229.0	.99	3.352	133.6	447.9	.594
.6100	.9688	59.0	2187.5	14846.	233.8	231.8	.99	3.353	133.9	448.8	.602
.6200	.9701	58.2	2202.4	14689.	237.2	234.6	.99	3.355	134.1	449.8	.610
.6300	.9713	57.3	2217.4	14534.	240.7	237.4	.99	3.356	134.4	450.9	.619
.6400	.9726	56.5	2232.4	14382.	244.2	240.4	.98	3.358	134.6	451.9	.627
.6500	.9736	55.7	2247.4	14234.	247.8	243.3	.98	3.359	134.8	452.8	.635
.6600	.9747	54.9	2262.4	14089.	251.4	246.3	.98	3.360	135.0	453.7	.643
.6700	.9758	54.1	2277.4	13947.	255.0	249.4	.98	3.363	135.3	454.6	.652
.6800	.9768	53.4	2292.4	13807.	258.6	252.5	.97	3.364	135.5	455.6	.660
.6900	.9779	52.7	2307.4	13671.	262.4	255.7	.97	3.364	135.7	456.4	.668
.7000	.9789	52.0	2322.4	13537.	266.1	258.9	.97	3.366	135.9	457.3	.676
.7100	.9798	51.3	2337.3	13405.	269.9	262.3	.97	3.367	136.1	458.1	.684
.7200	.9808	50.6	2352.3	13276.	273.8	265.6	.97	3.369	136.3	459.0	.693
.7300	.9817	50.0	2367.3	13150.	277.6	269.1	.97	3.370	136.5	459.8	.701
.7400	.9826	49.4	2382.3	13026.	281.6	272.6	.97	3.371	136.7	460.7	.709
.7500	.9835	48.8	2397.3	12904.	285.5	276.2	.97	3.372	136.8	461.4	.717
.7600	.9843	48.2	2412.3	12785.	289.5	279.9	.97	3.373	137.0	462.2	.726
.7700	.9852	47.6	2427.3	12667.	293.6	283.7	.97	3.375	137.2	463.0	.734
.7800	.9860	47.0	2442.3	12552.	297.7	287.5	.97	3.376	137.4	463.7	.742
.7900	.9868	46.4	2457.3	12439.	301.9	291.4	.97	3.377	137.5	464.4	.750
.8000	.9876	45.9	2472.3	12328.	306.1	295.4	.97	3.378	137.7	465.2	.758
.8100	.9883	45.4	2487.3	12219.	310.4	299.6	.97	3.379	137.9	465.9	.767
.8200	.9891	44.9	2502.3	12112.	314.7	303.8	.97	3.380	138.0	466.6	.775
.8300	.9898	44.3	2517.3	12006.	319.1	308.1	.97	3.381	138.2	467.3	.783
.8400	.9905	43.8	2532.3	11903.	323.6	312.5	.97	3.382	138.4	468.0	.791
.8500	.9912	43.4	2547.3	11801.	328.1	317.0	.97	3.383	138.4	468.6	.799
.8600	.9919	42.9	2562.2	11701.	332.7	321.6	.97	3.385	138.7	469.3	.807
.8700	.9926	42.4	2577.2	11603.	337.4	326.4	.97	3.386	138.8	470.0	.816
.8800	.9932	42.0	2592.2	11506.	342.1	331.3	.97	3.386	139.0	470.6	.824
.8900	.9938	41.5	2607.2	11411.	346.9	336.3	.97	3.388	139.2	471.2	.832
.9000	.9944	41.1	2622.2	11317.	351.8	341.4	.97	3.388	139.2	471.8	.840
.9100	.9950	40.7	2637.1	11225.	356.8	346.7	.97	3.390	139.4	472.4	.848
.9200	.9956	40.2	2652.1	11135.	361.8	352.2	.97	3.390	139.5	473.0	.856
.9300	.9962	39.8	2667.1	11046.	366.9	357.8	.97	3.391	139.6	473.6	.865
.9400	.9968	39.4	2682.1	10958.	372.2	363.5	.98	3.393	139.8	474.2	.873
.9500	.9974	39.0	2697.1	10872.	377.5	369.4	.98	3.393	139.9	474.7	.881
.9600	.9979	38.6	2712.1	10787.	382.9	375.6	.98	3.394	140.0	475.3	.889
.9700	.9984	38.3	2727.1	10703.	388.4	381.9	.98	3.395	140.2	475.8	.897
.9800	.9990	37.9	2742.1	10621.	394.0	388.3	.99	3.396	140.3	476.3	.905
.9900	.9995	37.5	2757.1	10540.	399.6	394.9	.99	3.396	140.4	476.8	.913
1.0000	1.0000	37.2	2772.1	10460.	405.6	401.5	.99	3.397	140.5	477.4	.922

TABLE 3. SATURATED CRITICAL FLOW PROPERTIES

(TO 570 K (P)AT 8217.9 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AMF M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	718.6	1327.5	41712.	63.4	97.5	1.54	3.020	91.9	277.7	.085
.0100	.1420	672.8	1341.8	41129.	66.0	100.5	1.52	3.019	94.2	284.5	.094
.0200	.2866	640.5	1356.1	40492.	68.6	103.5	1.51	3.019	96.4	291.1	.102
.0300	.3344	601.7	1370.4	39823.	71.3	106.4	1.49	3.022	98.5	297.4	.110
.0400	.4058	564.8	1384.7	39130.	73.9	109.2	1.48	3.025	100.5	303.5	.118
.0500	.4631	606.1	1399.0	38420.	76.5	111.9	1.46	3.029	102.3	309.3	.126
.0600	.5113	573.6	1413.2	37729.	79.2	114.5	1.45	3.029	104.0	314.9	.133
.0700	.5433	546.0	1427.5	37030.	81.8	117.1	1.43	3.031	105.7	320.2	.140
.0800	.5877	522.4	1441.8	36341.	84.5	119.6	1.42	3.034	107.2	325.3	.147
.0900	.6185	501.5	1456.1	35664.	87.1	122.1	1.40	3.038	108.7	330.2	.154
.1000	.6455	483.1	1470.4	35000.	89.8	124.5	1.39	3.041	110.1	334.8	.172
.1100	.6695	466.9	1484.7	34352.	92.5	126.9	1.37	3.045	111.4	339.3	.181
.1200	.6906	452.4	1499.0	33719.	95.1	129.2	1.36	3.049	112.7	343.6	.190
.1300	.7101	439.5	1513.3	33103.	97.8	131.5	1.34	3.052	113.9	347.7	.199
.1400	.7254	427.8	1527.6	32504.	100.5	133.7	1.33	3.056	115.1	351.5	.208
.1500	.7431	417.2	1541.9	31922.	103.2	136.0	1.32	3.059	116.2	355.4	.216
.1600	.7576	407.6	1556.2	31356.	105.8	138.1	1.31	3.063	117.2	359.0	.225
.1700	.7705	398.7	1570.5	30800.	108.5	140.3	1.29	3.066	118.2	362.5	.234
.1800	.7825	390.6	1584.7	30259.	111.2	142.4	1.28	3.070	119.2	365.9	.242
.1900	.7936	383.1	1599.0	29755.	113.9	144.5	1.27	3.073	120.1	369.1	.251
.2000	.8038	376.2	1613.3	29254.	116.6	146.5	1.26	3.077	121.0	372.2	.260
.2100	.8133	369.8	1627.6	28766.	119.3	148.6	1.25	3.080	121.8	375.2	.268
.2200	.8221	363.8	1641.9	28293.	122.0	150.6	1.24	3.083	122.6	378.1	.277
.2300	.8304	358.3	1656.2	27835.	124.7	152.5	1.23	3.086	123.4	380.9	.285
.2400	.8381	353.1	1670.5	27389.	127.5	154.5	1.22	3.089	124.2	383.7	.294
.2500	.8453	348.3	1684.8	26957.	130.2	156.4	1.21	3.092	124.9	386.2	.302
.2600	.8520	343.7	1699.1	26537.	132.9	158.1	1.20	3.095	125.6	388.7	.311
.2700	.8584	339.4	1713.4	26129.	135.7	161.1	1.19	3.098	126.2	391.2	.319
.2800	.8644	335.4	1727.7	25733.	138.4	163.0	1.18	3.101	126.9	393.6	.328
.2900	.8700	331.5	1742.0	25348.	141.2	164.8	1.17	3.103	127.6	395.9	.336
.3000	.8754	327.9	1756.3	24974.	144.0	167.3	1.16	3.106	128.2	398.2	.345
.3100	.8804	324.5	1770.5	24610.	146.7	169.4	1.15	3.109	128.8	400.3	.353
.3200	.8852	321.3	1784.8	24256.	149.5	171.4	1.15	3.111	129.3	402.5	.362
.3300	.8898	318.2	1799.1	23912.	152.3	173.3	1.14	3.114	129.9	404.5	.370
.3400	.8941	315.3	1813.4	23577.	155.2	175.3	1.13	3.116	130.4	406.5	.378
.3500	.8982	312.5	1827.7	23251.	158.0	177.6	1.12	3.119	131.0	408.4	.387
.3600	.9021	309.9	1842.0	22934.	160.8	179.7	1.12	3.121	131.5	410.3	.395
.3700	.9059	307.4	1856.3	22625.	163.7	181.8	1.11	3.124	132.0	412.1	.403
.3800	.9095	305.0	1870.6	22324.	166.5	183.9	1.10	3.126	132.4	413.8	.412
.3900	.9129	302.6	1884.9	22030.	169.4	186.0	1.10	3.128	132.9	415.6	.420
.4000	.9162	300.4	1899.2	21744.	172.3	188.2	1.09	3.130	133.3	417.3	.428
.4100	.9193	98.3	1913.5	21465.	175.2	190.3	1.09	3.132	133.8	419.0	.437
.4200	.9223	96.3	1927.8	21194.	178.1	192.5	1.08	3.135	134.2	420.6	.445
.4300	.9252	94.3	1942.1	20928.	181.1	194.7	1.08	3.137	134.6	422.2	.453
.4400	.9280	92.4	1956.3	20670.	184.0	196.9	1.07	3.139	135.0	423.8	.461
.4500	.9306	90.7	1970.6	20417.	187.0	199.1	1.06	3.141	135.4	425.2	.470
.4600	.9332	89.0	1984.9	20170.	190.0	201.4	1.06	3.143	135.8	426.7	.478
.4700	.9356	87.3	1999.2	19930.	193.0	203.7	1.06	3.144	136.1	428.1	.486
.4800	.9380	85.7	2013.5	19694.	196.0	206.0	1.05	3.146	136.5	429.4	.494
.4900	.9403	84.1	2027.8	19465.	199.1	208.3	1.05	3.148	136.9	430.8	.503
.5000	.9425	82.7	2042.1	19240.	202.1	210.6	1.04	3.150	137.2	432.1	.511
.5100	.9446	81.2	2056.4	19020.	205.2	213.0	1.04	3.152	137.5	433.4	.519
.5200	.9467	79.8	2070.7	18805.	208.3	215.4	1.03	3.153	137.8	434.7	.527
.5300	.9487	78.5	2085.0	18596.	211.5	217.8	1.03	3.155	138.2	435.9	.535
.5400	.9506	77.2	2099.3	18391.	214.6	220.2	1.03	3.157	138.5	437.1	.543
.5500	.9525	75.9	2113.6	18190.	217.8	222.8	1.02	3.158	138.8	438.4	.552
.5600	.9543	74.7	2127.9	17993.	221.0	225.3	1.02	3.160	139.1	439.5	.560
.5700	.9560	73.5	2142.1	17801.	224.2	227.8	1.02	3.162	139.4	440.8	.568
.5800	.9577	72.4	2156.4	17612.	227.5	230.5	1.01	3.163	139.7	441.8	.576
.5900	.9593	71.3	2170.7	17428.	230.7	233.1	1.01	3.165	139.9	442.8	.584
.6000	.9609	70.2	2185.0	17247.	234.0	235.8	1.01	3.166	140.2	443.8	.592
.6100	.9625	69.2	2199.3	17070.	237.4	238.5	1.00	3.168	140.5	445.0	.600
.6200	.9640	68.2	2213.6	16897.	240.7	241.2	1.00	3.169	140.7	446.0	.609
.6300	.9654	67.2	2227.9	16727.	244.1	244.0	1.00	3.171	141.0	447.1	.617
.6400	.9668	66.2	2242.2	16560.	247.5	246.8	1.00	3.173	141.2	448.0	.625
.6500	.9682	65.3	2256.5	16397.	251.0	249.7	1.00	3.173	14 .5	448.9	.633
.6600	.9695	64.4	2270.8	16237.	254.4	252.7	.99	3.175	141.7	450.0	.641
.6700	.9708	63.5	2285.1	16080.	257.9	255.7	.99	3.176	141.9	450.8	.649
.6800	.9721	62.7	2299.4	15926.	261.5	258.7	.99	3.177	142.1	451.8	.657
.6900	.9733	61.9	2313.6	15774.	265.1	261.8	.99	3.179	142.4	452.7	.665
.7000	.9745	61.0	2327.9	15626.	268.7	264.9	.99	3.180	142.6	453.6	.673
.7100	.9757	60.3	2342.2	15480.	272.3	268.1	.98	3.181	142.9	454.5	.681
.7200	.9768	59.5	2356.5	15337.	276.0	271.4	.98	3.183	143.1	455.3	.689
.7300	.9779	58.7	2370.8	15197.	279.7	274.7	.98	3.184	143.3	456.2	.697
.7400	.9790	58.0	2385.1	15059.	283.5	278.1	.98	3.185	143.5	457.0	.706
.7500	.9801	57.3	2399.4	14924.	287.3	281.5	.98	3.186	143.7	457.7	.714
.7600	.9811	56.6	2413.7	14791.	291.1	285.0	.98	3.187	143.9	458.5	.722
.7700	.9821	55.9	2428.0	14660.	295.0	288.6	.98	3.188	144.1	459.3	.730
.7800	.9831	55.3	2442.3	14532.	298.9	292.3	.98	3.190	144.3	460.1	.738
.7900	.9840	54.6	2456.6	14406.	302.9	296.0	.98	3.191	144.4	460.9	.746
.8000	.9850	54.0	2470.9	14282.	306.9	299.8	.98	3.192	144.6	461.6	.754
.8100	.9859	53.4	2485.2	14160.	311.0	303.7	.98	3.193	144.8	462.3	.762
.8200	.9868	52.8	2499.4	14040.	315.1	307.7	.98	3.194	145.0	463.0	.770
.8300	.9877	52.2	2513.7	13923.	319.3	311.7	.98	3.195	145.1	463.7	.778
.8400	.9885	51.6	2528.0	13807.	323.5	315.9	.98	3.196	145.3	464.5	.786
.8500	.9893	51.0	2542.3	13693.	327.8	320.2	.98	3.197	145.5	465.2	.794
.8600	.9902	50.5	2556.6	13581.	332.2	324.5	.98	3.198	145.7	465.8	.802
.8700	.9910	49.9	2570.9	13471.	336.6	328.9	.98	3.199	145.8	466.4	.810
.8800	.9917	49.4	2585.2	13363.	341.0	333.3	.98	3.200	146.0	467.2	.818
.8900	.9925	48.9	2599.5	13255.	345.5	337.8	.98	3.201	146.1	467.7	.826
.9000	.9933	48.4	2613.8	13150.	350.1	342.3	.98	3.202	146.3	468.4	.834
.9100	.9940	47.9	2628.1	13047.	354.8	347.0	.98	3.203	146.4	469.0	.842
.9200	.9947	47.4	2642.4	12945.	359.5	351.8	.98	3.204	146.6	469.7	.850
.9300	.9954	46.9	2656.7	12845.	364.3	356.5	.98	3.205	146.7	470.3	.858
.9400	.9961	46.5	2671.0	12746.	369.2	361.3	.98	3.206	146.9	470.8	.866
.9500	.9968	46.0	2685.2	12649.	374.2	366.2	.99	3.208	147.0	471.4	.874
.9600	.9975	45.6	2699.5	12553.	379.2	371.3	.99	3.207	147.2	472.0	.882
.9700	.9981	45.1	2713.8	12459.	384.3	376.3	.99	3.208	147.3	472.5	.890
.9800	.9988	44.7	2728.1	12365.	389.5	381.5	.99	3.209	147.4	473.1	.898
.9900	.9994	44.3	2742.4	12273.	394.8	386.7	.99	3.210	147.6	473.7	.906
1.0000	1.0000	43.8	2756.7	12184.	400.1	392.0	1.00	3.211	147.7	474.3	.914

TABLE 3. SATURATED CRITICAL FLOW PROPERTIES

(TO 580 K (PSAT 9452.9 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	697.6	1334.1	44385.	71.2	105.8	1.49	2.860	99.2	283.9	.095
.0100	.1198	620.2	1397.6	43901.	73.7	108.7	1.47	2.860	101.4	289.8	.104
.0200	.2158	558.3	1411.1	43180.	76.3	111.8	1.46	2.860	103.4	295.6	.112
.0300	.2942	507.6	1434.6	42534.	78.8	114.9	1.45	2.860	105.3	301.2	.120
.0400	.3597	465.3	1458.9	41874.	81.4	118.0	1.44	2.860	107.3	306.8	.129
.0500	.4156	429.6	1481.7	41207.	84.0	120.8	1.42	2.860	109.2	311.8	.137
.0600	.4625	398.9	1455.2	40539.	86.6	122.1	1.41	2.868	110.4	316.7	.144
.0700	.5036	372.3	1478.8	39874.	89.2	124.6	1.40	2.871	112.0	321.5	.155
.0800	.5396	349.1	1492.3	39214.	91.8	127.0	1.38	2.875	113.5	326.1	.163
.0900	.5714	329.5	1504.8	38569.	94.4	129.4	1.37	2.876	114.9	330.5	.172
.1000	.6007	312.3	1519.4	37927.	97.0	131.8	1.36	2.879	116.2	334.7	.180
.1100	.6249	298.0	1532.9	37301.	99.6	134.1	1.35	2.883	117.5	338.8	.189
.1200	.6477	285.3	1546.4	36687.	102.2	136.4	1.33	2.886	118.8	342.7	.198
.1300	.6683	274.0	1559.9	36087.	104.8	138.6	1.32	2.889	119.9	346.5	.204
.1400	.6870	263.9	1573.5	35501.	107.4	140.9	1.31	2.892	121.1	350.1	.215
.1500	.7040	254.9	1587.0	34929.	110.0	143.1	1.30	2.895	122.2	353.6	.223
.1600	.7197	247.0	1600.5	34371.	112.6	145.2	1.29	2.898	123.2	357.0	.232
.1700	.7341	239.5	1614.1	33828.	115.2	147.4	1.28	2.901	124.2	360.2	.240
.1800	.7474	232.9	1627.6	33298.	117.8	149.5	1.27	2.904	125.1	363.4	.248
.1900	.7597	226.9	1641.1	32782.	120.5	151.6	1.26	2.907	126.0	366.4	.257
.2000	.7712	221.5	1654.7	32280.	123.1	153.7	1.25	2.910	126.8	369.3	.266
.2100	.7818	216.7	1668.2	31791.	125.8	155.8	1.24	2.913	127.8	372.2	.274
.2200	.7918	212.2	1681.7	31315.	128.4	157.9	1.23	2.915	128.6	374.9	.282
.2300	.8011	208.1	1695.3	30851.	131.1	160.0	1.22	2.918	129.4	377.6	.291
.2400	.8098	204.3	1708.8	30399.	133.8	162.0	1.21	2.921	130.2	380.2	.299
.2500	.8180	200.8	1722.3	29960.	136.4	164.1	1.20	2.924	130.9	382.7	.307
.2600	.8257	197.5	1735.9	29531.	139.1	166.1	1.19	2.926	131.6	385.1	.316
.2700	.8329	194.4	1749.4	29114.	141.8	168.2	1.19	2.929	132.3	387.4	.324
.2800	.8398	191.5	1762.9	28708.	144.4	170.2	1.18	2.931	133.0	389.8	.332
.2900	.8463	188.8	1776.5	28312.	147.1	172.3	1.17	2.934	133.6	392.0	.340
.3000	.8525	186.3	1790.0	27926.	149.8	174.3	1.16	2.936	134.2	394.2	.349
.3100	.8583	183.9	1803.5	27550.	152.6	176.4	1.16	2.939	134.8	396.3	.357
.3200	.8638	181.7	1817.0	27184.	155.3	178.4	1.15	2.941	135.4	398.4	.365
.3300	.8691	179.6	1830.6	26827.	158.0	180.5	1.14	2.943	136.0	400.3	.373
.3400	.8741	177.6	1844.1	26479.	160.8	182.6	1.14	2.946	136.6	402.2	.382
.3500	.8789	175.8	1857.6	26138.	163.5	184.6	1.13	2.948	137.1	404.1	.390
.3600	.8835	174.0	1871.2	25806.	166.3	186.7	1.12	2.950	137.6	405.9	.398
.3700	.8879	172.4	1884.7	25482.	169.1	188.8	1.12	2.952	138.1	407.7	.406
.3800	.8920	170.8	1898.2	25166.	171.9	190.9	1.11	2.954	138.6	409.5	.414
.3900	.8960	169.3	1911.8	24858.	174.7	193.0	1.11	2.956	139.1	411.2	.422
.4000	.8999	167.8	1925.3	24557.	177.5	195.2	1.10	2.958	139.6	412.8	.430
.4100	.9035	166.4	1938.8	24262.	180.3	197.3	1.09	2.960	140.0	414.4	.438
.4200	.9071	165.1	1952.4	23975.	183.1	199.5	1.09	2.962	140.5	416.1	.447
.4300	.9105	163.8	1965.9	23694.	186.0	201.6	1.08	2.964	140.9	417.5	.455
.4400	.9137	162.5	1979.4	23419.	188.9	203.8	1.08	2.966	141.3	419.1	.463
.4500	.9169	161.4	1992.9	23150.	191.8	206.0	1.07	2.968	141.7	420.5	.471
.4600	.9199	160.3	2006.5	22888.	194.7	208.2	1.07	2.970	142.1	422.0	.479
.4700	.9228	159.2	2020.0	22631.	197.6	210.5	1.07	2.971	142.5	423.4	.487
.4800	.9256	158.2	2033.5	22380.	200.5	212.7	1.06	2.973	142.9	424.8	.495
.4900	.9283	157.2	2047.1	22134.	203.5	215.0	1.06	2.975	143.3	426.2	.503
.5000	.9309	156.3	2060.6	21893.	206.4	217.3	1.05	2.977	143.6	427.5	.511
.5100	.9335	155.4	2074.1	21658.	209.4	219.7	1.05	2.978	144.0	428.8	.519
.5200	.9359	154.5	2087.7	21427.	212.4	222.0	1.05	2.980	144.3	430.0	.527
.5300	.9383	153.6	2101.2	21201.	215.5	224.4	1.04	2.981	144.6	431.2	.535
.5400	.9406	152.8	2114.7	20980.	218.5	226.8	1.04	2.983	145.0	432.4	.543
.5500	.9428	152.0	2128.3	20764.	221.6	229.3	1.03	2.985	145.3	433.7	.551
.5600	.9449	151.3	2141.8	20551.	224.7	231.7	1.03	2.986	145.6	434.8	.559
.5700	.9470	150.5	2155.3	20343.	227.8	234.2	1.03	2.988	145.9	435.9	.567
.5800	.9490	149.8	2168.8	20139.	230.9	236.8	1.03	2.989	146.2	437.0	.575
.5900	.9510	149.1	2182.4	19939.	234.0	239.3	1.02	2.991	146.5	438.2	.583
.6000	.9529	148.5	2195.9	19743.	237.2	241.9	1.02	2.992	146.8	439.3	.591
.6100	.9547	147.8	2209.4	19551.	240.4	244.6	1.02	2.993	147.1	440.3	.598
.6200	.9565	147.2	2223.0	19362.	243.6	247.2	1.01	2.995	147.4	441.4	.606
.6300	.9583	146.7	2236.5	19177.	246.9	249.9	1.01	2.996	147.6	442.4	.614
.6400	.9599	146.1	2250.0	18996.	250.2	252.7	1.01	2.997	147.9	443.4	.622
.6500	.9616	145.6	2263.6	18817.	253.5	255.5	1.01	2.999	148.2	444.3	.630
.6600	.9632	145.1	2277.1	18642.	256.8	258.3	1.01	3.000	148.4	445.3	.638
.6700	.9648	144.5	2290.6	18471.	260.2	261.2	1.00	3.001	148.7	446.3	.646
.6800	.9663	144.0	2304.2	18302.	263.5	264.1	1.00	3.003	148.9	447.2	.654
.6900	.9677	143.6	2317.7	18136.	267.0	267.0	1.00	3.004	149.2	448.0	.662
.7000	.9692	143.1	2331.2	17974.	270.4	270.0	1.00	3.005	149.4	448.9	.670
.7100	.9706	142.6	2344.8	17814.	273.9	273.1	1.00	3.006	149.6	449.8	.677
.7200	.9720	142.2	2358.3	17657.	277.4	276.2	1.00	3.007	149.9	450.7	.685
.7300	.9733	141.8	2371.8	17503.	280.9	279.4	.99	3.009	150.1	451.6	.693
.7400	.9746	141.3	2385.3	17351.	284.5	282.6	.99	3.010	150.3	452.4	.701
.7500	.9759	140.9	2398.9	17202.	288.1	285.9	.99	3.011	150.5	453.2	.709
.7600	.9771	140.5	2412.4	17055.	291.8	289.2	.99	3.012	150.7	454.0	.717
.7700	.9783	140.1	2425.9	16911.	295.5	292.6	.99	3.013	150.9	454.8	.725
.7800	.9795	139.7	2439.5	16770.	299.2	296.0	.99	3.014	151.1	455.6	.733
.7900	.9807	139.3	2453.0	16630.	303.0	299.6	.99	3.015	151.4	456.4	.740
.8000	.9818	138.9	2466.5	16493.	306.8	303.2	.99	3.016	151.6	457.1	.748
.8100	.9829	138.6	2480.1	16359.	310.6	306.8	.99	3.017	151.7	457.8	.756
.8200	.9840	138.2	2493.6	16226.	314.5	310.5	.99	3.018	151.9	458.6	.764
.8300	.9850	137.9	2507.1	16095.	318.4	314.3	.99	3.019	152.1	459.3	.772
.8400	.9861	137.6	2520.7	15967.	322.4	318.2	.99	3.020	152.3	460.1	.779
.8500	.9871	137.3	2534.2	15841.	326.4	322.1	.99	3.021	152.5	460.7	.787
.8600	.9881	137.0	2547.7	15716.	330.5	326.2	.99	3.022	152.7	461.4	.795
.8700	.9890	136.8	2561.2	15594.	334.6	330.3	.99	3.023	152.8	462.1	.803
.8800	.9900	136.5	2574.8	15473.	338.8	334.5	.99	3.024	153.0	462.7	.811
.8900	.9909	136.3	2588.3	15354.	343.0	338.8	.99	3.025	153.2	463.3	.818
.9000	.9918	136.0	2601.8	15237.	347.3	343.2	.99	3.026	153.4	464.0	.826
.9100	.9927	135.8	2615.4	15122.	351.6	347.7	.99	3.027	153.5	464.7	.834
.9200	.9936	135.6	2628.9	15009.	356.0	352.3	.99	3.028	153.7	465.4	.842
.9300	.9944	135.3	2642.4	14897.	360.5	357.0	.99	3.029	153.8	466.0	.850
.9400	.9953	135.1	2656.0	14787.	365.0	361.8	.99	3.030	154.0	466.6	.857
.9500	.9961	134.9	2669.5	14678.	369.5	366.8	.99	3.031	154.2	467.2	.865
.9600	.9969	134.7	2683.0	14571.	374.2	371.8	.99	3.031	154.3	467.7	.873
.9700	.9977	134.5	2696.6	14466.	378.9	377.0	1.00	3.032	154.5	468.4	.881
.9800	.9985	134.3	2710.1	14362.	383.6	382.3	1.00	3.033	154.6	469.0	.889
.9900	.9993	134.2	2723.6	14259.	388.5	387.7	1.00	3.034	154.8	469.5	.896
1.0000	1.0000	134.0	2737.2	14158.	393.4	393.3	1.00	3.035	154.9	470.1	.904

TABLE 3. SATURATED CRITICAL FLOW PROPERTIES

(TO 590 K (PSAT 10826.1 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AME M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XE
.0000	0.0000	674.6	1443.3	47045.	79.9	114.9	1.44	2.709	107.1	290.1	.107
.0100	.1002	613.2	1456.0	46468.	82.4	117.5	1.43	2.709	109.0	295.2	.115
.0200	.1936	562.0	1468.7	45868.	84.8	120.2	1.42	2.710	110.8	300.2	.123
.0300	.2842	518.7	1481.4	45252.	87.3	122.8	1.40	2.712	112.6	305.2	.132
.0400	.3747	481.6	1494.1	44626.	89.8	125.3	1.40	2.712	114.5	309.8	.140
.0500	.3671	449.4	1506.9	43996.	92.3	127.8	1.38	2.714	115.8	314.3	.148
.0600	.4179	421.3	1519.4	43365.	94.8	130.2	1.37	2.716	117.3	318.6	.157
.0700	.4534	396.5	1532.1	42737.	97.3	132.6	1.36	2.719	118.8	322.9	.165
.0800	.4893	374.5	1544.8	42115.	99.8	135.0	1.35	2.721	120.2	327.0	.173
.0900	.5215	354.7	1557.5	41499.	102.3	137.3	1.34	2.724	121.6	330.9	.182
.1000	.5505	337.0	1570.2	40892.	104.8	139.6	1.33	2.726	122.8	334.7	.190
.1100	.5766	320.9	1582.9	40295.	107.3	141.8	1.32	2.729	124.0	338.4	.198
.1200	.6004	306.3	1595.6	39707.	109.8	144.0	1.31	2.731	125.2	341.9	.207
.1300	.6222	293.0	1608.3	39131.	112.4	146.2	1.30	2.734	126.3	345.3	.215
.1400	.6421	280.8	1621.0	38567.	114.9	148.4	1.29	2.737	127.4	348.6	.223
.1500	.6604	269.5	1633.7	38014.	117.4	150.6	1.28	2.739	128.4	351.8	.231
.1600	.6773	259.1	1646.4	37472.	119.9	152.7	1.27	2.742	129.4	354.9	.240
.1700	.6930	249.5	1659.1	36943.	122.5	154.8	1.26	2.745	130.4	357.9	.248
.1800	.7075	240.6	1671.8	36425.	125.0	156.9	1.26	2.747	131.3	360.8	.256
.1900	.7211	232.2	1684.5	35919.	127.6	159.0	1.25	2.750	132.3	363.7	.264
.2000	.7337	224.4	1697.2	35424.	130.1	161.1	1.24	2.752	133.1	366.4	.272
.2100	.7455	217.1	1709.8	34941.	132.7	163.1	1.23	2.755	134.0	369.0	.281
.2200	.7566	210.3	1722.5	34469.	135.2	165.2	1.22	2.757	134.8	371.6	.289
.2300	.7670	204.0	1735.2	34008.	137.8	167.2	1.21	2.760	135.6	374.1	.297
.2400	.7768	198.1	1747.9	33558.	140.4	169.3	1.21	2.762	136.3	376.5	.305
.2500	.7860	192.5	1760.6	33118.	142.9	171.3	1.20	2.764	137.1	378.9	.313
.2600	.7947	187.1	1773.3	32688.	145.5	173.3	1.19	2.767	137.8	381.1	.321
.2700	.8030	182.1	1786.0	32269.	148.1	175.3	1.18	2.769	138.5	383.4	.329
.2800	.8108	177.3	1798.7	31859.	150.7	177.4	1.18	2.771	139.1	385.6	.337
.2900	.8182	172.7	1811.4	31458.	153.3	179.4	1.17	2.773	139.8	387.7	.345
.3000	.8253	168.4	1824.1	31067.	155.9	181.4	1.16	2.776	140.4	389.7	.353
.3100	.8320	164.3	1836.8	30684.	158.5	183.4	1.16	2.778	141.0	391.7	.361
.3200	.8383	160.4	1849.5	30311.	161.2	185.4	1.15	2.780	141.6	393.7	.369
.3300	.8444	156.6	1862.2	29945.	163.9	187.4	1.14	2.782	142.2	395.6	.377
.3400	.8502	153.1	1874.9	29588.	166.5	189.5	1.14	2.784	142.8	397.4	.385
.3500	.8558	149.7	1887.6	29239.	169.1	191.6	1.13	2.786	143.3	399.3	.393
.3600	.8611	146.4	1900.2	28897.	171.8	193.6	1.13	2.788	143.8	401.0	.401
.3700	.8662	143.3	1912.9	28563.	174.5	195.7	1.12	2.790	144.4	402.8	.409
.3800	.8710	140.3	1925.6	28237.	177.1	197.8	1.12	2.792	144.9	404.5	.417
.3900	.8757	137.5	1938.3	27917.	179.8	199.9	1.11	2.794	145.4	406.2	.425
.4000	.8802	134.7	1951.0	27604.	182.6	202.0	1.11	2.796	145.8	407.7	.433
.4100	.8845	132.1	1963.7	27298.	185.3	204.1	1.10	2.797	146.3	409.3	.440
.4200	.8886	129.5	1976.4	26998.	188.0	206.1	1.10	2.799	146.7	410.7	.448
.4300	.8926	127.0	1989.1	26705.	190.8	208.3	1.09	2.801	147.2	412.3	.456
.4400	.8965	124.6	2001.8	26417.	193.5	210.4	1.09	2.803	147.6	413.8	.464
.4500	.9002	122.3	2014.5	26136.	196.3	212.6	1.08	2.804	148.1	415.2	.472
.4600	.9037	120.3	2027.2	25860.	199.1	214.8	1.08	2.806	148.5	416.7	.480
.4700	.9072	118.2	2039.9	25590.	201.8	217.0	1.07	2.808	148.9	418.1	.487
.4800	.9105	116.2	2052.6	25326.	204.7	219.2	1.07	2.809	149.3	419.4	.495
.4900	.9137	114.3	2065.3	25065.	207.5	221.4	1.07	2.811	149.7	420.7	.503
.5000	.9168	112.5	2078.0	24812.	210.4	223.7	1.06	2.813	150.1	422.0	.511
.5100	.9198	110.6	2090.6	24563.	213.2	225.9	1.06	2.814	150.4	423.3	.519
.5200	.9227	108.8	2103.3	24318.	216.1	228.2	1.06	2.816	150.8	424.6	.526
.5300	.9255	107.2	2116.0	24078.	219.0	230.5	1.05	2.817	151.1	425.9	.534
.5400	.9282	105.6	2128.7	23843.	221.9	232.9	1.05	2.819	151.5	427.0	.542
.5500	.9309	103.6	2141.4	23613.	224.9	235.3	1.05	2.820	151.8	428.1	.550
.5600	.9334	102.0	2154.1	23386.	227.8	237.6	1.04	2.821	152.1	429.3	.557
.5700	.9360	100.5	2166.8	23164.	230.8	240.1	1.04	2.823	152.5	430.4	.565
.5800	.9384	99.0	2179.5	22945.	233.8	242.5	1.04	2.824	152.8	431.5	.573
.5900	.9407	97.6	2192.2	22732.	236.8	245.0	1.03	2.826	153.1	432.5	.580
.6000	.9430	96.2	2204.9	22522.	239.8	247.5	1.03	2.827	153.4	433.7	.588
.6100	.9452	94.9	2217.6	22315.	242.8	250.0	1.03	2.828	153.7	434.8	.596
.6200	.9473	93.5	2230.3	22113.	245.9	252.6	1.03	2.830	154.0	435.8	.604
.6300	.9494	92.3	2243.0	21914.	249.0	255.1	1.02	2.831	154.3	436.8	.611
.6400	.9514	91.0	2255.7	21718.	252.1	257.7	1.02	2.833	154.6	437.9	.619
.6500	.9534	89.8	2268.4	21526.	255.2	260.4	1.02	2.833	154.9	438.8	.627
.6600	.9553	88.6	2281.0	21337.	258.4	263.1	1.02	2.834	155.1	439.7	.634
.6700	.9572	87.5	2293.7	21151.	261.6	265.8	1.02	2.836	155.4	440.7	.642
.6800	.9590	86.3	2306.4	20969.	264.8	268.7	1.01	2.837	155.7	441.6	.650
.6900	.9608	85.2	2319.1	20790.	268.0	271.5	1.01	2.838	155.9	442.5	.657
.7000	.9626	84.2	2331.8	20613.	271.3	274.3	1.01	2.839	156.2	443.4	.665
.7100	.9643	83.1	2344.5	20440.	274.6	277.2	1.01	2.840	156.4	444.3	.672
.7200	.9659	82.1	2357.2	20269.	277.9	280.1	1.01	2.842	156.7	445.2	.680
.7300	.9675	81.1	2369.9	20102.	281.2	283.1	1.00	2.843	156.9	446.0	.688
.7400	.9691	80.2	2382.6	19937.	284.6	286.1	1.00	2.844	157.1	446.9	.695
.7500	.9706	79.2	2395.3	19774.	288.0	289.2	1.00	2.845	157.4	447.7	.703
.7600	.9721	78.3	2408.0	19614.	291.4	292.3	1.00	2.845	157.6	448.5	.711
.7700	.9736	77.4	2420.7	19457.	294.8	295.5	1.00	2.847	157.8	449.4	.718
.7800	.9750	76.5	2433.4	19302.	298.3	298.7	1.00	2.848	158.0	450.1	.726
.7900	.9764	75.7	2446.1	19150.	301.9	302.0	1.00	2.849	158.3	450.9	.733
.8000	.9778	74.8	2458.8	19000.	305.4	305.3	1.00	2.850	158.5	451.6	.741
.8100	.9792	74.0	2471.5	18853.	309.0	308.7	1.00	2.851	158.7	452.4	.749
.8200	.9805	73.2	2484.1	18707.	312.6	312.2	1.00	2.852	158.9	453.1	.756
.8300	.9818	72.4	2496.8	18564.	316.3	315.9	1.00	2.853	159.1	453.9	.764
.8400	.9830	71.6	2509.5	18423.	320.0	319.6	1.00	2.854	159.3	454.6	.771
.8500	.9842	70.9	2522.2	18284.	323.7	322.9	1.00	2.855	159.5	455.3	.779
.8600	.9854	70.1	2534.9	18147.	327.5	326.5	1.00	2.856	159.7	456.0	.786
.8700	.9866	69.4	2547.6	18012.	331.3	330.4	1.00	2.857	159.9	456.7	.794
.8800	.9878	68.7	2560.3	17879.	335.1	334.2	1.00	2.858	160.1	457.4	.802
.8900	.9889	68.0	2573.0	17749.	339.1	338.1	1.00	2.859	160.2	458.1	.809
.9000	.9900	67.3	2585.7	17620.	343.0	342.1	1.00	2.859	160.4	458.9	.817
.9100	.9911	66.7	2598.4	17492.	347.0	346.2	1.00	2.860	160.6	459.3	.824
.9200	.9922	66.0	2611.1	17367.	351.0	350.4	1.00	2.861	160.8	460.0	.832
.9300	.9933	65.4	2623.8	17243.	355.1	354.6	1.00	2.862	160.9	460.6	.839
.9400	.9942	64.7	2636.5	17122.	359.3	358.9	1.00	2.863	161.1	461.3	.847
.9500	.9953	64.1	2649.2	17001.	363.4	363.3	1.00	2.864	161.3	461.9	.854
.9600	.9963	63.5	2661.9	16883.	367.7	367.8	1.00	2.865	161.4	462.5	.862
.9700	.9973	62.9	2674.5	16766.	371.9	372.5	1.00	2.866	161.6	463.1	.870
.9800	.9983	62.4	2687.2	16651.	376.3	377.2	1.00	2.866	161.8	463.7	.877
.9900	.9991	61.8	2699.9	16537.	380.7	382.0	1.00	2.867	161.9	464.2	.885
1.0000	1.0000	61.2	2712.6	16425.	385.1	386.9	1.00	2.868	162.1	464.9	.892

TABLE 3. SATURATED CRITICAL FLOW PROPERTIES

(TO 600 K (PSAT 12349.4 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AMF M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	649.1	1305.9	49652.	89.7	124.8	1.39	2.564	115.6	296.3	.122
.0100	.0826	601.5	1517.7	49094.	92.1	127.3	1.38	2.565	117.2	300.7	.130
.0200	.1540	560.4	1529.4	48522.	94.4	129.7	1.37	2.566	118.9	305.0	.139
.0300	.2162	524.5	1541.2	47941.	96.8	132.1	1.37	2.567	120.4	309.1	.145
.0400	.2709	493.0	1553.0	47351.	99.2	134.5	1.36	2.569	121.9	313.2	.153
.0500	.3195	465.0	1564.7	46757.	101.5	136.8	1.35	2.570	123.3	317.0	.161
.0600	.3628	440.0	1576.5	46179.	103.9	139.1	1.34	2.572	124.7	320.8	.169
.0700	.4013	417.6	1588.2	45594.	106.3	141.4	1.33	2.574	126.1	324.5	.177
.0800	.4368	397.4	1600.0	45019.	108.7	143.6	1.32	2.576	127.3	328.0	.185
.0900	.4687	379.0	1611.9	44451.	111.1	145.8	1.31	2.578	128.6	331.4	.193
.1000	.4977	362.2	1623.5	43871.	113.5	148.0	1.30	2.580	129.7	334.8	.201
.1100	.5243	346.9	1635.3	43310.	115.9	150.2	1.30	2.583	130.9	338.0	.209
.1200	.5488	332.8	1647.0	42755.	118.3	152.3	1.29	2.585	132.0	341.2	.217
.1300	.5713	319.8	1658.8	42210.	120.7	154.5	1.28	2.587	133.1	344.2	.225
.1400	.5921	307.8	1670.5	41680.	123.1	156.5	1.27	2.589	134.1	347.2	.233
.1500	.6113	296.7	1682.3	41154.	125.5	158.6	1.26	2.591	135.1	350.0	.241
.1600	.6295	286.3	1694.0	40638.	127.9	160.6	1.26	2.594	136.0	352.8	.249
.1700	.6462	276.7	1705.8	40132.	130.3	162.7	1.25	2.596	137.0	355.5	.257
.1800	.6619	267.6	1717.5	39635.	132.7	164.7	1.24	2.598	137.9	358.2	.265
.1900	.6766	259.2	1729.3	39148.	135.2	166.7	1.23	2.600	138.7	360.7	.273
.2000	.6904	251.2	1741.1	38671.	137.6	168.7	1.23	2.602	139.6	363.2	.281
.2100	.7033	243.8	1752.8	38203.	140.0	170.7	1.22	2.605	140.4	365.6	.289
.2200	.7155	236.7	1764.6	37744.	142.4	172.7	1.21	2.607	141.2	368.0	.296
.2300	.7271	230.1	1776.3	37294.	144.9	174.7	1.21	2.609	141.9	370.3	.304
.2400	.7380	223.8	1788.1	36854.	147.3	176.7	1.20	2.611	142.7	372.6	.312
.2500	.7483	217.8	1799.9	36422.	149.8	178.7	1.19	2.613	143.4	374.7	.320
.2600	.7581	212.2	1811.6	35999.	152.3	180.6	1.19	2.615	144.1	376.8	.328
.2700	.7674	206.8	1823.4	35585.	154.7	182.6	1.18	2.617	144.8	378.9	.335
.2800	.7762	201.8	1835.1	35179.	157.2	184.6	1.17	2.619	145.4	380.9	.343
.2900	.7846	196.9	1846.9	34782.	159.7	186.6	1.17	2.621	146.1	382.9	.351
.3000	.7926	192.3	1858.6	34392.	162.2	188.5	1.16	2.623	146.7	384.8	.359
.3100	.8003	187.9	1870.4	34011.	164.7	190.5	1.16	2.625	147.3	386.8	.366
.3200	.8076	183.7	1882.2	33637.	167.2	192.5	1.15	2.627	147.9	388.6	.374
.3300	.8146	179.6	1893.9	33270.	169.7	194.4	1.15	2.629	148.5	390.4	.382
.3400	.8213	175.8	1905.7	32911.	172.2	196.5	1.14	2.630	149.1	392.1	.389
.3500	.8277	172.1	1917.4	32559.	174.8	198.5	1.14	2.632	149.6	393.8	.397
.3600	.8338	168.6	1929.2	32214.	177.3	200.5	1.13	2.634	150.2	395.5	.405
.3700	.8397	165.2	1940.9	31875.	179.8	202.5	1.13	2.636	150.7	397.2	.412
.3800	.8454	161.9	1952.7	31544.	182.4	204.5	1.12	2.637	151.2	398.8	.420
.3900	.8508	158.8	1964.5	31219.	185.0	206.5	1.12	2.639	151.7	400.4	.427
.4000	.8560	155.8	1976.2	30900.	187.5	208.5	1.11	2.641	152.2	401.9	.435
.4100	.8611	152.9	1988.0	30587.	190.1	210.6	1.11	2.643	152.7	403.4	.443
.4200	.8659	150.1	1999.7	30280.	192.7	212.6	1.10	2.644	153.1	404.9	.450
.4300	.8706	147.4	2011.5	29979.	195.3	214.7	1.10	2.646	153.6	406.4	.458
.4400	.8751	144.8	2023.2	29683.	197.9	216.8	1.09	2.647	154.0	407.8	.465
.4500	.8795	142.2	2035.0	29393.	200.6	218.9	1.09	2.649	154.5	409.2	.473
.4600	.8837	139.8	2046.8	29109.	203.2	221.0	1.09	2.650	154.9	410.5	.480
.4700	.8878	137.5	2058.5	28830.	205.9	223.2	1.08	2.652	155.3	411.8	.488
.4800	.8917	135.2	2070.3	28555.	208.5	225.3	1.08	2.653	155.7	413.2	.496
.4900	.8955	133.0	2082.0	28286.	211.2	227.4	1.08	2.655	156.1	414.5	.503
.5000	.8992	130.9	2093.8	28022.	213.9	229.5	1.07	2.656	156.5	415.7	.510
.5100	.9027	128.8	2105.5	27763.	216.6	231.7	1.07	2.658	156.9	416.9	.518
.5200	.9062	126.8	2117.3	27507.	219.3	233.9	1.07	2.659	157.3	418.2	.525
.5300	.9096	124.9	2129.1	27257.	222.1	236.1	1.06	2.661	157.6	419.4	.533
.5400	.9128	123.0	2140.9	27011.	224.8	238.4	1.06	2.662	158.0	420.5	.540
.5500	.9160	121.2	2152.6	26769.	227.6	240.6	1.06	2.663	158.3	421.7	.548
.5600	.9190	119.4	2164.3	26531.	230.3	242.9	1.05	2.665	158.7	422.8	.555
.5700	.9220	117.7	2176.1	26298.	233.1	245.2	1.05	2.666	159.0	423.9	.563
.5800	.9249	115.1	2187.9	26068.	235.9	247.5	1.05	2.667	159.4	425.0	.570
.5900	.9277	114.-	2199.6	25843.	238.8	249.9	1.05	2.669	159.7	426.1	.577
.6000	.9304	112.9	2211.4	25621.	241.6	252.2	1.04	2.670	160.0	427.1	.585
.6100	.9331	111.3	2223.1	25402.	244.5	254.6	1.04	2.671	160.3	428.2	.592
.6200	.9357	109.8	2234.9	25188.	247.3	257.1	1.04	2.672	160.6	429.2	.600
.6300	.9382	108.4	2246.6	24977.	250.2	259.5	1.04	2.673	160.9	430.2	.607
.6400	.9407	107.0	2258.4	24769.	253.2	262.0	1.03	2.675	161.2	431.2	.614
.6500	.9431	105.6	2270.2	24565.	256.1	264.5	1.03	2.676	161.5	432.1	.622
.6600	.9454	104.3	2281.9	24364.	259.0	267.0	1.03	2.677	161.8	433.1	.629
.6700	.9477	102.9	2293.7	24166.	262.0	269.6	1.03	2.678	162.1	434.0	.636
.6800	.9499	101.7	2305.4	23971.	265.0	272.2	1.03	2.679	162.4	435.0	.644
.6900	.9520	100.4	2317.2	23780.	268.0	274.8	1.03	2.680	162.6	435.9	.651
.7000	.9541	99.2	2328.9	23591.	271.0	277.5	1.02	2.681	162.9	436.8	.659
.7100	.9562	98.0	2340.7	23405.	274.1	280.2	1.02	2.683	163.2	437.7	.666
.7200	.9582	96.9	2352.5	23223.	277.2	282.9	1.02	2.684	163.4	438.5	.673
.7300	.9602	95.7	2364.2	23043.	280.3	285.7	1.02	2.685	163.7	439.4	.681
.7400	.9621	94.6	2376.0	22865.	283.4	288.5	1.02	2.686	163.9	440.2	.688
.7500	.9640	93.5	2387.7	22691.	286.5	291.3	1.02	2.687	164.2	441.0	.695
.7600	.9658	92.5	2399.5	22519.	289.7	294.2	1.02	2.688	164.4	441.9	.703
.7700	.9676	91.5	2411.2	22349.	292.9	297.1	1.01	2.689	164.6	442.6	.710
.7800	.9693	90.4	2423.0	22182.	296.1	300.1	1.01	2.690	164.9	443.5	.717
.7900	.9711	89.5	2434.8	22018.	299.4	303.1	1.01	2.691	165.1	444.3	.724
.8000	.9727	88.5	2446.5	21855.	302.6	306.1	1.01	2.692	165.3	445.1	.732
.8100	.9744	87.5	2458.3	21696.	306.0	309.2	1.01	2.693	165.5	445.7	.739
.8200	.9760	86.6	2470.0	21538.	309.3	312.4	1.01	2.694	165.8	446.5	.746
.8300	.9776	85.7	2481.8	21383.	312.6	315.5	1.01	2.694	166.0	447.2	.754
.8400	.9791	84.8	2493.5	21230.	316.0	318.8	1.01	2.695	166.2	448.0	.761
.8500	.9806	84.1	2505.3	21079.	319.3	322.1	1.01	2.696	166.4	448.7	.768
.8600	.9821	83.1	2517.1	20930.	322.9	325.4	1.01	2.697	166.6	449.4	.776
.8700	.9835	82.3	2528.8	20784.	326.4	328.8	1.01	2.698	166.8	450.1	.783
.8800	.9849	81.5	2540.6	20639.	329.9	332.3	1.01	2.699	167.0	450.8	.790
.8900	.9863	80.7	2552.3	20496.	333.4	335.8	1.01	2.700	167.2	451.4	.797
.9000	.9877	79.9	2564.1	20355.	337.0	339.4	1.01	2.701	167.4	452.2	.805
.9100	.9890	79.1	2575.8	20216.	340.6	343.0	1.01	2.702	167.6	452.8	.812
.9200	.9903	78.3	2587.6	20079.	344.3	346.7	1.01	2.702	167.8	453.5	.819
.9300	.9916	77.6	2599.4	19944.	348.0	350.5	1.01	2.703	168.0	454.1	.826
.9400	.9929	76.9	2611.1	19811.	351.7	354.3	1.01	2.704	168.2	454.7	.834
.9500	.9941	76.2	2622.9	19679.	355.5	358.2	1.01	2.705	168.4	455.4	.841
.9600	.9953	75.5	2634.6	19549.	359.3	362.2	1.01	2.706	168.5	456.0	.848
.9700	.9965	74.8	2646.4	19421.	363.1	366.2	1.01	2.706	168.7	456.6	.855
.9800	.9977	74.1	2658.1	19295.	367.0	370.3	1.01	2.707	168.9	457.2	.863
.9900	.9989	73.4	2669.9	19170.	371.0	374.4	1.01	2.708	169.1	457.8	.870
1.0000	1.0000	72.8	2681.7	19046.	374.9	378.8	1.01	2.709	169.2	458.4	.877

TABLE 3. SATURATED CRITICAL FLOW PROPERTIES

(TO 610 K (PSAT 14037.0 KPA))

XQ	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	620.2	1573.1	52153.	100.9	135.9	1.35	2.426	124.8	302.7	.140
.0100	.0669	584.6	1583.8	51626.	103.1	138.2	1.34	2.427	126.2	306.3	.148
.0200	.1286	552.8	1594.5	51093.	105.3	140.4	1.33	2.428	127.6	309.8	.155
.0300	.1861	524.3	1605.1	50556.	107.6	142.6	1.33	2.429	129.0	313.3	.163
.0400	.2403	498.6	1615.8	50018.	109.8	144.8	1.32	2.430	130.5	316.6	.170
.0500	.2921	475.2	1626.5	49479.	112.0	146.9	1.31	2.432	131.9	319.9	.178
.0600	.3419	454.0	1637.2	48942.	114.2	149.0	1.30	2.433	133.4	323.1	.185
.0700	.3903	434.6	1647.9	48409.	116.4	151.2	1.30	2.435	134.8	326.3	.193
.0800	.4376	416.8	1658.6	47878.	118.7	153.2	1.29	2.437	136.2	329.2	.201
.0900	.4839	400.4	1669.3	47352.	120.9	155.3	1.28	2.439	137.6	332.1	.208
.1000	.5295	385.2	1679.9	46832.	123.1	157.3	1.28	2.440	139.0	335.0	.216
.1100	.5744	371.1	1690.6	46317.	125.4	159.3	1.27	2.442	140.3	337.8	.223
.1200	.6188	358.1	1701.3	45809.	127.6	161.3	1.26	2.444	141.7	340.5	.231
.1300	.6627	345.9	1712.0	45308.	129.9	163.3	1.26	2.446	143.0	343.1	.238
.1400	.7062	334.5	1722.7	44813.	132.1	165.2	1.25	2.447	144.2	345.7	.246
.1500	.7493	323.8	1733.3	44326.	134.4	167.2	1.24	2.449	145.5	348.2	.253
.1600	.7920	313.8	1744.0	43846.	136.6	169.2	1.24	2.452	146.8	350.6	.261
.1700	.8344	304.4	1754.7	43374.	138.9	171.1	1.23	2.453	148.0	353.0	.268
.1800	.8766	295.6	1765.4	42909.	141.2	173.0	1.23	2.455	149.2	355.4	.276
.1900	.9185	287.2	1776.1	42451.	143.4	174.9	1.22	2.457	150.4	357.6	.283
.2000	.9603	279.3	1786.8	42002.	145.7	176.8	1.21	2.459	151.6	359.8	.291
.2100	.9537	271.9	1797.4	41559.	148.0	178.8	1.21	2.461	152.7	362.0	.298
.2200	.9670	264.8	1808.1	41123.	150.3	180.7	1.20	2.463	153.9	364.1	.306
.2300	.9796	258.1	1818.8	40693.	152.5	182.5	1.20	2.465	155.0	366.2	.313
.2400	.9918	251.7	1829.5	40277.	154.8	184.4	1.19	2.466	156.2	368.2	.321
.2500	.7030	245.6	1840.2	39864.	157.1	186.3	1.19	2.468	157.3	370.2	.328
.2600	.7139	239.8	1850.9	39458.	159.4	188.2	1.18	2.470	158.4	372.2	.335
.2700	.7243	234.3	1861.5	39060.	161.7	190.1	1.18	2.472	159.5	374.0	.343
.2800	.7343	229.0	1872.2	38668.	164.0	192.0	1.17	2.473	160.6	375.8	.350
.2900	.7438	224.0	1882.8	38283.	166.4	193.9	1.16	2.475	161.7	377.7	.357
.3000	.7527	219.1	1893.6	37905.	168.7	195.8	1.16	2.477	163.2	379.4	.365
.3100	.7614	214.5	1904.3	37534.	171.0	197.6	1.15	2.478	163.8	381.2	.372
.3200	.7697	210.1	1915.0	37168.	173.4	199.5	1.15	2.480	164.8	382.8	.379
.3300	.7777	205.8	1925.8	36810.	175.7	201.4	1.15	2.482	164.9	384.5	.387
.3400	.7853	201.7	1936.5	36457.	178.1	203.3	1.14	2.483	165.5	386.1	.394
.3500	.7927	197.8	1947.0	36111.	180.4	205.2	1.14	2.485	166.0	387.8	.401
.3600	.7998	194.0	1957.7	35770.	182.8	207.1	1.13	2.487	166.6	389.3	.408
.3700	.8066	190.4	1968.4	35436.	185.2	209.0	1.13	2.488	167.1	390.9	.416
.3800	.8132	186.9	1979.1	35107.	187.5	211.0	1.13	2.490	167.6	392.4	.423
.3900	.8195	183.5	1989.9	34784.	189.9	212.9	1.12	2.491	168.1	393.8	.430
.4000	.8256	180.3	2000.4	34466.	192.3	214.8	1.12	2.493	168.6	395.3	.437
.4100	.8315	177.1	2011.1	34154.	194.7	216.8	1.11	2.494	169.1	396.7	.444
.4200	.8372	174.1	2021.8	33847.	197.1	218.7	1.11	2.496	169.5	398.1	.452
.4300	.8427	171.2	2032.5	33545.	199.5	220.7	1.11	2.497	169.9	399.4	.459
.4400	.8480	168.3	2043.2	33248.	202.0	222.6	1.10	2.498	170.4	400.8	.466
.4500	.8532	165.6	2053.8	32956.	204.4	224.6	1.10	2.500	170.9	402.1	.473
.4600	.8581	162.9	2064.5	32669.	206.9	226.6	1.10	2.501	171.3	403.4	.480
.4700	.8630	160.4	2075.2	32386.	209.3	228.6	1.09	2.503	171.7	404.7	.487
.4800	.8676	157.9	2085.9	32109.	211.8	230.6	1.09	2.504	172.1	405.9	.494
.4900	.8722	155.5	2096.6	31835.	214.3	232.6	1.09	2.505	172.5	407.2	.502
.5000	.8766	153.1	2107.3	31566.	216.8	234.7	1.08	2.507	172.9	408.4	.509
.5100	.8808	150.8	2117.9	31302.	219.3	236.7	1.08	2.508	173.3	409.6	.516
.5200	.8850	148.6	2128.6	31041.	221.8	238.8	1.08	2.509	173.7	410.8	.523
.5300	.8890	146.5	2139.3	30784.	224.3	240.9	1.07	2.511	174.1	411.9	.530
.5400	.8929	144.4	2150.0	30533.	226.9	243.0	1.07	2.512	174.4	413.0	.537
.5500	.8967	142.4	2160.7	30285.	229.4	245.1	1.07	2.513	174.8	414.1	.544
.5600	.9004	140.4	2171.4	30040.	232.0	247.2	1.06	2.514	175.1	415.2	.551
.5700	.9040	138.5	2182.0	29799.	234.5	249.4	1.06	2.515	175.5	416.3	.558
.5800	.9075	136.6	2192.7	29563.	237.1	251.5	1.06	2.516	175.8	417.3	.565
.5900	.9109	134.8	2203.4	29329.	239.7	253.7	1.06	2.518	176.2	418.4	.572
.6000	.9142	133.1	2214.1	29099.	242.3	255.9	1.06	2.519	176.5	419.4	.579
.6100	.9174	131.3	2224.8	28873.	245.0	258.1	1.05	2.520	176.8	420.4	.586
.6200	.9206	129.7	2235.5	28650.	247.6	260.4	1.05	2.521	177.1	421.4	.593
.6300	.9236	128.0	2246.1	28431.	250.3	262.6	1.05	2.522	177.4	422.3	.600
.6400	.9266	126.4	2256.8	28214.	252.9	264.9	1.05	2.523	177.7	423.3	.607
.6500	.9295	124.9	2267.5	28001.	255.6	267.2	1.05	2.524	178.1	424.3	.614
.6600	.9324	123.4	2278.2	27791.	258.3	269.5	1.04	2.525	178.3	425.2	.621
.6700	.9351	121.9	2288.9	27584.	261.0	271.9	1.04	2.527	178.7	426.1	.628
.6800	.9378	120.5	2299.5	27380.	263.7	274.3	1.04	2.528	178.9	427.0	.635
.6900	.9405	119.0	2310.2	27179.	266.5	276.7	1.04	2.529	179.2	427.9	.642
.7000	.9431	117.7	2320.9	26981.	269.3	279.1	1.04	2.530	179.5	428.8	.649
.7100	.9456	116.3	2331.6	26785.	272.1	281.5	1.03	2.531	179.8	429.6	.656
.7200	.9481	115.0	2342.3	26593.	274.8	284.0	1.03	2.533	180.0	430.5	.663
.7300	.9505	113.7	2353.0	26403.	277.7	286.5	1.03	2.533	180.3	431.3	.670
.7400	.9529	112.5	2363.6	26215.	280.5	289.0	1.03	2.534	180.6	432.2	.677
.7500	.9552	111.2	2374.3	26031.	283.3	291.4	1.03	2.535	180.8	433.0	.684
.7600	.9574	110.0	2385.0	25849.	286.2	294.2	1.03	2.535	181.1	433.8	.691
.7700	.9596	108.8	2395.7	25669.	289.1	296.9	1.03	2.537	181.3	434.6	.698
.7800	.9618	107.7	2406.4	25492.	292.0	299.6	1.03	2.538	181.6	435.4	.705
.7900	.9639	106.6	2417.1	25317.	295.0	302.2	1.02	2.538	181.8	436.1	.712
.8000	.9660	105.5	2427.7	25144.	297.9	305.0	1.02	2.539	182.1	436.9	.719
.8100	.9680	104.4	2438.4	24974.	300.9	307.7	1.02	2.540	182.3	437.6	.726
.8200	.9700	103.3	2449.1	24805.	303.9	310.5	1.02	2.542	182.5	438.4	.733
.8300	.9720	102.3	2459.8	24640.	306.9	313.4	1.02	2.543	182.8	439.2	.740
.8400	.9739	101.3	2470.5	24477.	309.9	316.2	1.02	2.543	183.0	439.9	.747
.8500	.9758	100.3	2481.2	24315.	313.0	319.1	1.02	2.544	183.2	440.6	.753
.8600	.9776	99.3	2491.8	24155.	316.1	322.1	1.02	2.545	183.4	441.3	.760
.8700	.9794	98.3	2502.5	23998.	319.2	325.0	1.02	2.545	183.7	442.0	.767
.8800	.9812	97.4	2513.2	23843.	322.3	328.0	1.02	2.546	183.8	442.6	.774
.8900	.9829	96.5	2523.9	23690.	325.5	331.2	1.02	2.547	184.1	443.4	.781
.9000	.9846	95.5	2534.6	23538.	328.6	334.3	1.02	2.548	184.3	444.0	.788
.9100	.9863	94.7	2545.3	23389.	331.9	337.4	1.02	2.549	184.5	444.7	.795
.9200	.9879	93.8	2555.9	23241.	335.1	340.6	1.02	2.550	184.7	445.3	.802
.9300	.9895	92.9	2566.6	23095.	338.4	343.9	1.02	2.550	184.9	445.9	.809
.9400	.9911	92.1	2577.3	22951.	341.6	347.2	1.02	2.551	185.1	446.5	.815
.9500	.9926	91.3	2588.0	22809.	345.0	350.6	1.02	2.552	185.3	447.3	.822
.9600	.9942	90.4	2598.7	22669.	348.3	354.0	1.02	2.553	185.5	447.9	.829
.9700	.9957	89.6	2609.4	22530.	351.7	357.4	1.02	2.553	185.6	448.4	.836
.9800	.9971	88.9	2620.0	22393.	355.1	360.9	1.02	2.554	185.8	449.0	.843
.9900	.9986	88.1	2630.7	22257.	358.5	364.5	1.02	2.555	186.0	449.7	.850
1.0000	1.0000	87.3	2641.4	22123.	362.0	368.1	1.02	2.556	186.2	450.2	.857

TABLE 3. SATURATED CRITICAL FLOW PROPERTIES

(TO 820 K (PSAT 15905.7 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AME M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	586.5	1646.8	54452.	114.0	148.6	1.30	2.292	134.9	309.2	.164
.0100	.0527	561.1	1656.2	53974.	116.0	150.6	1.30	2.293	136.1	312.1	.171
.0200	.1011	537.9	1665.6	53495.	118.0	152.6	1.29	2.294	137.3	314.9	.178
.0300	.1459	516.5	1674.0	53016.	120.0	154.5	1.29	2.295	138.4	317.7	.185
.0400	.1868	496.8	1684.4	52537.	122.0	156.4	1.28	2.296	139.5	320.5	.192
.0500	.2249	478.5	1693.8	52060.	124.0	158.3	1.28	2.298	140.5	322.9	.199
.0600	.2603	461.5	1703.3	51585.	126.0	160.2	1.27	2.299	141.6	325.5	.206
.0700	.2933	445.8	1712.8	51113.	128.0	162.0	1.27	2.300	142.6	328.0	.213
.0800	.3240	431.3	1722.4	50644.	130.0	163.8	1.26	2.301	143.6	330.5	.220
.0900	.3529	417.9	1732.1	50179.	132.1	165.6	1.25	2.303	144.6	332.9	.227
.1000	.3799	404.1	1740.9	49718.	134.1	167.7	1.25	2.305	145.4	335.2	.234
.1100	.4052	391.9	1750.3	49262.	136.2	169.5	1.24	2.306	146.3	337.5	.241
.1200	.4291	380.4	1759.7	48813.	138.2	171.4	1.24	2.308	147.2	339.8	.248
.1300	.4517	369.6	1769.1	48369.	140.3	173.3	1.23	2.309	148.0	342.0	.255
.1400	.4730	359.4	1778.5	47931.	142.3	175.1	1.23	2.311	148.9	344.1	.262
.1500	.4931	349.7	1787.9	47498.	144.3	176.9	1.22	2.313	149.7	346.3	.269
.1600	.5122	340.6	1797.4	47070.	146.4	178.8	1.22	2.314	150.5	348.3	.276
.1700	.5303	331.9	1806.8	46650.	148.4	180.6	1.22	2.316	151.3	350.4	.283
.1800	.5475	323.6	1816.2	46236.	150.5	182.4	1.21	2.317	152.0	352.4	.290
.1900	.5639	315.8	1825.7	45829.	152.5	184.2	1.21	2.319	152.8	354.3	.297
.2000	.5795	308.2	1835.0	45430.	154.6	185.9	1.20	2.320	153.5	356.2	.303
.2100	.5944	301.1	1844.4	44984.	156.6	187.3	1.20	2.322	154.2	358.0	.310
.2200	.6086	294.3	1853.8	44587.	158.7	189.0	1.19	2.323	154.9	359.9	.317
.2300	.6222	287.8	1863.2	44195.	160.8	190.8	1.19	2.325	155.6	361.7	.324
.2400	.6352	281.5	1872.6	43809.	162.8	192.5	1.18	2.326	156.3	363.4	.331
.2500	.6476	275.6	1882.1	43428.	164.9	194.3	1.18	2.328	156.8	365.1	.338
.2600	.6595	269.8	1891.5	43053.	167.0	196.0	1.17	2.329	157.5	366.8	.345
.2700	.6709	264.4	1900.9	42683.	169.1	197.8	1.17	2.331	158.2	368.5	.351
.2800	.6819	259.1	1910.3	42318.	171.2	199.5	1.17	2.332	158.7	370.1	.358
.2900	.6925	254.0	1919.7	41959.	173.3	201.3	1.16	2.334	159.3	371.7	.365
.3000	.7026	249.2	1929.1	41605.	175.4	203.0	1.16	2.335	160.0	373.3	.372
.3100	.7124	244.5	1938.5	41256.	177.5	204.7	1.15	2.337	161.4	374.8	.379
.3200	.7218	239.9	1947.9	40912.	179.6	206.5	1.15	2.338	161.0	376.4	.385
.3300	.7308	235.6	1957.3	40574.	181.7	208.2	1.15	2.339	161.5	377.8	.392
.3400	.7396	231.4	1966.7	40240.	183.8	210.0	1.14	2.341	162.0	379.3	.399
.3500	.7480	227.4	1976.2	39911.	186.0	211.7	1.14	2.342	162.5	380.7	.406
.3600	.7562	223.4	1985.6	39587.	188.1	213.5	1.14	2.344	163.0	382.1	.412
.3700	.7640	219.7	1995.0	39267.	190.2	215.3	1.13	2.345	163.5	383.5	.419
.3800	.7716	216.0	2004.4	38952.	192.4	217.0	1.13	2.346	164.0	384.9	.426
.3900	.7790	212.5	2013.8	38642.	194.5	218.8	1.12	2.348	164.5	386.2	.432
.4000	.7861	209.1	2023.2	38336.	196.7	220.6	1.12	2.349	165.0	387.5	.438
.4100	.7930	205.8	2032.6	38035.	198.9	222.4	1.12	2.350	165.4	388.8	.446
.4200	.7997	202.6	2042.0	37738.	201.0	224.2	1.11	2.351	165.9	390.1	.452
.4300	.8062	199.4	2051.4	37445.	203.2	225.9	1.11	2.353	166.3	391.3	.458
.4400	.8124	196.4	2060.8	37156.	205.4	227.8	1.11	2.354	166.8	392.5	.466
.4500	.8185	193.5	2070.3	36872.	207.6	229.6	1.11	2.355	167.2	393.8	.472
.4600	.8244	190.7	2079.7	36591.	209.8	231.4	1.10	2.356	167.6	394.9	.479
.4700	.8302	187.9	2089.1	36315.	212.0	233.2	1.10	2.358	168.0	396.1	.486
.4800	.8358	185.2	2098.5	36042.	214.2	235.0	1.10	2.359	168.4	397.3	.492
.4900	.8412	182.6	2107.9	35773.	216.4	236.9	1.09	2.360	168.8	398.4	.499
.5000	.8465	180.1	2117.3	35508.	218.7	238.8	1.09	2.361	169.2	399.6	.505
.5100	.8516	177.6	2126.7	35247.	220.9	240.6	1.09	2.362	169.6	400.7	.512
.5200	.8566	175.2	2136.1	34989.	223.2	242.5	1.09	2.364	170.0	401.8	.518
.5300	.8614	172.9	2145.5	34735.	225.4	244.4	1.08	2.365	170.3	402.8	.525
.5400	.8662	170.6	2155.0	34484.	227.7	246.3	1.08	2.366	170.7	403.9	.532
.5500	.8708	168.4	2164.4	34237.	230.0	248.2	1.08	2.367	171.1	404.9	.538
.5600	.8753	166.3	2173.8	33993.	232.3	250.2	1.08	2.368	171.4	406.0	.545
.5700	.8796	164.2	2183.2	33752.	234.6	252.1	1.07	2.369	171.8	406.9	.551
.5800	.8839	162.1	2192.6	33515.	236.9	254.0	1.07	2.370	172.1	407.9	.558
.5900	.8881	160.1	2202.0	33280.	239.2	256.0	1.07	2.371	172.4	408.9	.564
.6000	.8921	158.2	2211.4	33049.	241.5	258.0	1.07	2.372	172.8	409.9	.571
.6100	.8961	156.3	2220.8	32821.	243.8	260.0	1.07	2.373	173.1	410.9	.577
.6200	.8999	154.4	2230.2	32596.	246.2	262.0	1.06	2.374	173.4	411.8	.584
.6300	.9037	152.6	2239.6	32374.	248.5	264.0	1.06	2.375	173.7	412.7	.590
.6400	.9074	150.8	2249.1	32155.	250.9	266.0	1.06	2.376	174.1	413.6	.597
.6500	.9110	149.1	2258.5	31938.	253.3	268.1	1.06	2.377	174.4	414.5	.603
.6600	.9145	147.4	2267.9	31725.	255.7	270.1	1.06	2.378	174.7	415.4	.610
.6700	.9180	145.8	2277.3	31514.	258.1	272.2	1.05	2.379	175.0	416.3	.616
.6800	.9214	144.1	2286.7	31305.	260.5	274.3	1.05	2.380	175.3	417.2	.623
.6900	.9246	142.6	2296.1	31100.	262.9	276.4	1.05	2.381	175.5	418.0	.629
.7000	.9279	141.0	2305.5	30897.	265.3	278.6	1.05	2.382	175.8	418.9	.636
.7100	.9310	139.5	2314.9	30697.	267.8	280.8	1.05	2.383	176.1	419.7	.642
.7200	.9341	138.0	2324.3	30499.	270.3	282.9	1.05	2.384	176.4	420.5	.649
.7300	.9371	136.6	2333.8	30303.	272.7	285.1	1.04	2.385	176.7	421.3	.655
.7400	.9401	135.1	2343.2	30110.	275.2	287.3	1.04	2.386	176.9	422.1	.662
.7500	.9430	133.8	2352.6	29920.	277.7	289.6	1.04	2.387	177.2	422.9	.668
.7600	.9458	132.4	2362.0	29732.	280.2	291.8	1.04	2.388	177.4	423.7	.674
.7700	.9486	131.1	2371.4	29546.	282.7	294.1	1.04	2.389	177.7	424.5	.681
.7800	.9513	129.7	2380.8	29362.	285.2	296.4	1.04	2.390	178.0	425.3	.687
.7900	.9540	128.5	2390.2	29180.	287.8	298.7	1.04	2.390	178.2	426.0	.694
.8000	.9566	127.2	2399.6	29001.	290.4	301.1	1.04	2.391	178.5	426.7	.700
.8100	.9592	126.0	2409.0	28824.	293.0	303.5	1.04	2.392	178.7	427.5	.706
.8200	.9617	124.8	2418.4	28649.	295.5	305.9	1.03	2.393	178.9	428.2	.713
.8300	.9642	123.6	2427.9	28476.	298.2	308.3	1.03	2.394	179.2	428.9	.719
.8400	.9666	122.4	2437.3	28305.	300.8	310.7	1.03	2.394	179.4	429.6	.725
.8500	.9690	121.3	2446.7	28136.	303.4	313.2	1.03	2.395	179.7	430.3	.732
.8600	.9713	120.2	2456.1	27969.	306.1	315.7	1.03	2.396	179.9	431.0	.738
.8700	.9736	119.0	2465.5	27804.	308.8	318.2	1.03	2.397	180.1	431.7	.745
.8800	.9759	118.0	2474.9	27641.	311.5	320.8	1.03	2.398	180.3	432.3	.751
.8900	.9781	116.9	2484.3	27479.	314.2	323.4	1.03	2.398	180.5	433.0	.758
.9000	.9802	115.9	2493.7	27320.	316.9	326.0	1.03	2.399	180.8	433.7	.764
.9100	.9824	114.8	2503.1	27162.	319.7	328.7	1.03	2.400	181.0	434.4	.770
.9200	.9845	113.8	2512.5	27006.	322.4	331.3	1.03	2.401	181.2	435.0	.777
.9300	.9865	112.8	2521.9	26852.	325.2	334.0	1.03	2.402	181.4	435.7	.783
.9400	.9886	111.9	2531.4	26700.	328.0	336.8	1.03	2.403	181.6	436.2	.789
.9500	.9905	110.9	2540.8	26549.	330.8	339.6	1.03	2.403	181.8	436.9	.796
.9600	.9925	110.0	2550.2	26400.	333.7	342.4	1.03	2.404	182.0	437.5	.802
.9700	.9944	109.1	2559.6	26252.	336.5	345.2	1.03	2.404	182.2	438.1	.809
.9800	.9963	108.2	2569.0	26107.	339.4	348.1	1.03	2.405	182.4	438.7	.815
.9900	.9982	107.3	2578.4	25962.	342.3	351.0	1.03	2.406	182.6	439.3	.821
1.0000	1.0000	106.4	2587.8	25820.	345.3	354.0	1.03	2.407	182.8	439.9	.827

TABLE 3. SATURATED CRITICAL FLOW PROPERTIES

(TO 630 K (PSAT 17976.7 KPA))

XQ	AQ	RQ KG/M3	HQ KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XE
0.0000	0.0000	544.0	1733.8	55851.	130.6	164.5	1.26	2.170	146.6	318.1	.202
.0100	.0397	527.7	1741.6	55464.	132.3	166.1	1.26	2.170	147.5	320.1	.208
.0200	.0770	516.4	1746.7	55078.	134.0	167.7	1.25	2.171	148.4	322.1	.214
.0300	.1123	507.9	1751.2	54693.	135.8	169.3	1.25	2.172	149.2	324.1	.220
.0400	.1459	501.2	1755.2	54309.	137.5	170.9	1.24	2.173	150.0	326.1	.226
.0500	.1771	495.2	1758.9	53926.	139.2	172.5	1.24	2.173	150.9	328.0	.232
.0600	.2070	489.9	1762.4	53544.	140.9	174.1	1.24	2.174	151.7	329.8	.238
.0700	.2354	485.3	1765.7	53160.	142.6	175.6	1.23	2.175	152.5	331.5	.244
.0800	.2623	480.9	1768.8	52780.	144.3	177.2	1.23	2.176	153.3	333.3	.250
.0900	.2880	476.9	1771.8	52401.	146.0	178.8	1.22	2.177	154.1	335.0	.256
.1000	.3124	473.1	1774.7	52044.	147.8	180.3	1.22	2.178	154.7	337.0	.263
.1100	.3358	469.5	1777.5	51675.	149.5	181.9	1.22	2.179	155.4	338.7	.269
.1200	.3580	466.0	1780.2	51309.	151.2	183.5	1.21	2.180	156.1	340.4	.275
.1300	.3793	462.7	1782.9	50944.	152.9	185.0	1.21	2.181	156.8	342.1	.281
.1400	.3997	459.5	1785.5	50583.	154.7	186.6	1.21	2.182	157.5	343.7	.287
.1500	.4192	456.4	1788.0	50230.	156.5	188.0	1.20	2.183	158.2	345.4	.293
.1600	.4379	453.4	1790.5	49877.	158.2	189.5	1.20	2.184	158.8	346.9	.299
.1700	.4558	450.5	1792.9	49527.	160.0	191.1	1.19	2.185	159.5	348.5	.305
.1800	.4731	447.6	1795.3	49180.	161.7	192.6	1.19	2.186	160.2	350.1	.311
.1900	.4896	444.8	1797.6	48837.	163.5	194.1	1.18	2.187	160.9	351.6	.317
.2000	.5055	442.1	1799.8	48497.	165.2	195.6	1.18	2.189	161.3	353.1	.323
.2100	.5209	439.4	1802.0	48161.	167.0	197.1	1.18	2.190	161.9	354.5	.329
.2200	.5356	436.8	1804.2	47828.	168.7	198.6	1.17	2.191	162.5	355.9	.335
.2300	.5499	434.2	1806.3	47498.	170.5	200.0	1.17	2.192	163.1	357.4	.341
.2400	.5636	431.7	1808.3	47172.	172.3	201.5	1.17	2.193	163.6	358.8	.347
.2500	.5769	429.2	1810.3	46850.	174.0	203.2	1.17	2.194	164.2	360.2	.353
.2600	.5897	426.7	1812.2	46531.	175.8	204.7	1.16	2.195	164.7	361.5	.359
.2700	.6020	424.3	1814.1	46215.	177.6	206.2	1.16	2.196	165.2	362.9	.365
.2800	.6140	421.9	1815.9	45903.	179.4	207.7	1.16	2.198	165.8	364.2	.371
.2900	.6255	419.5	1817.7	45594.	181.1	209.2	1.15	2.199	166.3	365.5	.377
.3000	.6367	417.2	1819.4	45289.	182.9	210.8	1.15	2.199	166.8	366.8	.383
.3100	.6476	414.9	1821.1	44987.	184.7	212.3	1.15	2.200	167.3	368.0	.389
.3200	.6581	412.6	1822.7	44688.	186.5	213.8	1.14	2.201	167.8	369.3	.395
.3300	.6683	410.4	1824.3	44393.	188.3	215.3	1.14	2.202	168.3	370.5	.401
.3400	.6781	408.2	1825.9	44101.	190.1	216.8	1.14	2.204	168.8	371.8	.407
.3500	.6877	406.0	1827.4	43812.	191.9	218.4	1.14	2.205	169.2	372.9	.412
.3600	.6970	403.8	1829.0	43527.	193.7	219.9	1.13	2.206	169.6	374.1	.418
.3700	.7061	401.6	1830.5	43244.	195.6	221.4	1.13	2.207	170.0	375.2	.424
.3800	.7148	399.5	1832.0	42965.	197.4	222.9	1.13	2.208	170.4	376.3	.430
.3900	.7234	397.4	1833.4	42689.	199.2	224.5	1.12	2.209	170.9	377.4	.436
.4000	.7317	395.3	1834.9	42416.	201.0	226.0	1.12	2.210	171.4	378.6	.442
.4100	.7397	393.2	1836.3	42147.	202.9	227.6	1.12	2.211	171.8	379.7	.448
.4200	.7476	391.1	1837.7	41880.	204.7	229.1	1.12	2.212	172.2	380.9	.454
.4300	.7552	389.1	1839.1	41616.	206.5	230.7	1.11	2.214	172.6	381.9	.459
.4400	.7627	387.0	1840.5	41355.	208.4	232.3	1.11	2.215	173.0	383.0	.465
.4500	.7699	385.0	1841.8	41097.	210.2	233.8	1.11	2.215	173.4	384.0	.471
.4600	.7770	383.0	1843.1	40842.	212.1	235.4	1.11	2.216	173.8	385.0	.477
.4700	.7839	381.0	1844.4	40590.	214.0	236.9	1.11	2.217	174.2	386.0	.483
.4800	.7906	379.1	1845.7	40340.	215.8	238.5	1.10	2.218	174.5	387.0	.489
.4900	.7971	377.1	1847.0	40093.	217.7	240.1	1.10	2.219	174.9	388.0	.494
.5000	.8034	375.2	1848.2	39851.	219.6	241.7	1.10	2.219	175.3	389.0	.500
.5100	.8098	373.3	1849.5	39609.	221.5	243.3	1.10	2.220	175.7	390.0	.506
.5200	.8159	371.4	1850.7	39371.	223.4	244.9	1.09	2.222	176.0	390.9	.512
.5300	.8218	369.6	1851.9	39135.	225.3	246.5	1.09	2.223	176.4	391.9	.518
.5400	.8276	367.8	1853.1	38902.	227.2	248.1	1.09	2.224	176.7	392.8	.523
.5500	.8333	366.0	1854.3	38671.	229.1	249.8	1.09	2.224	177.0	393.7	.529
.5600	.8388	364.2	1855.4	38443.	231.0	251.4	1.09	2.225	177.4	394.6	.535
.5700	.8443	362.4	1856.6	38218.	232.9	253.0	1.09	2.226	177.7	395.5	.541
.5800	.8496	360.7	1857.7	37994.	234.8	254.7	1.08	2.227	178.0	396.4	.546
.5900	.8548	359.0	1858.8	37774.	236.8	256.4	1.08	2.229	178.4	397.3	.552
.6000	.8598	357.3	1859.9	37555.	238.7	258.0	1.08	2.229	178.7	398.1	.558
.6100	.8648	355.6	1861.0	37339.	240.6	259.7	1.08	2.229	179.0	399.0	.564
.6200	.8697	353.9	1862.1	37126.	242.6	261.4	1.08	2.230	179.3	399.8	.569
.6300	.8744	352.3	1863.1	36914.	244.6	263.1	1.07	2.231	179.6	400.7	.575
.6400	.8791	350.7	1864.2	36705.	246.5	264.8	1.07	2.232	179.9	401.5	.581
.6500	.8837	349.1	1865.2	36498.	248.5	266.5	1.07	2.232	180.2	402.3	.586
.6600	.8881	347.5	1866.2	36293.	250.5	268.2	1.07	2.233	180.5	403.1	.592
.6700	.8925	345.9	1867.2	36091.	252.5	269.9	1.07	2.234	180.8	403.9	.598
.6800	.8968	344.4	1868.2	35891.	254.5	271.7	1.07	2.235	181.1	404.7	.604
.6900	.9010	342.9	1869.2	35692.	256.5	273.5	1.06	2.236	181.4	405.5	.609
.7000	.9051	341.4	1870.1	35498.	258.5	275.2	1.06	2.237	181.6	406.3	.615
.7100	.9092	339.9	1871.1	35302.	260.6	277.0	1.06	2.237	181.9	407.0	.621
.7200	.9132	338.5	1872.0	35110.	262.6	278.8	1.06	2.238	182.2	407.7	.626
.7300	.9171	337.1	1872.9	34919.	264.5	280.7	1.06	2.239	182.5	408.5	.632
.7400	.9209	335.7	1873.8	34731.	266.6	282.5	1.06	2.240	182.8	409.3	.638
.7500	.9246	334.3	1874.6	34545.	268.6	284.2	1.06	2.240	183.0	410.0	.643
.7600	.9283	332.9	1875.5	34360.	270.7	286.1	1.06	2.241	183.2	410.7	.649
.7700	.9319	331.6	1876.3	34178.	272.8	287.9	1.05	2.242	183.4	411.4	.655
.7800	.9355	330.3	1877.1	33997.	274.9	289.8	1.05	2.243	183.7	412.1	.660
.7900	.9390	329.0	1877.9	33818.	276.9	291.7	1.05	2.244	183.9	412.8	.666
.8000	.9424	327.7	1878.6	33641.	279.0	293.6	1.05	2.244	184.3	413.5	.672
.8100	.9458	326.4	1879.4	33466.	281.1	295.5	1.05	2.245	184.5	414.2	.677
.8200	.9491	325.1	1880.1	33293.	283.3	297.4	1.05	2.246	184.7	414.8	.683
.8300	.9523	323.9	1880.8	33122.	285.4	299.3	1.05	2.247	185.0	415.5	.689
.8400	.9555	322.7	1881.5	32952.	287.5	301.3	1.05	2.247	185.2	416.2	.694
.8500	.9586	321.5	1882.2	32782.	289.6	303.3	1.05	2.248	185.5	416.9	.700
.8600	.9617	320.3	1882.8	32616.	291.8	305.2	1.05	2.249	185.7	417.5	.705
.8700	.9648	319.1	1883.5	32450.	293.9	307.2	1.05	2.249	185.9	418.2	.711
.8800	.9677	317.9	1884.1	32287.	296.1	309.3	1.04	2.250	186.1	418.8	.716
.8900	.9707	316.8	1884.7	32125.	298.3	311.3	1.04	2.251	186.4	419.4	.722
.9000	.9736	315.7	1885.3	31965.	300.5	313.4	1.04	2.251	186.6	420.0	.728
.9100	.9764	314.5	1885.9	31806.	302.7	315.4	1.04	2.252	186.9	420.6	.734
.9200	.9792	313.4	1886.5	31649.	304.9	317.5	1.04	2.253	187.1	421.2	.739
.9300	.9819	312.3	1887.1	31493.	307.1	319.6	1.04	2.254	187.3	421.8	.745
.9400	.9846	311.2	1887.7	31339.	309.4	321.7	1.04	2.255	187.5	422.4	.750
.9500	.9873	310.2	1888.2	31186.	311.6	323.9	1.04	2.255	187.8	423.0	.756
.9600	.9899	309.1	1888.8	31034.	313.9	326.0	1.04	2.255	187.8	423.6	.761
.9700	.9925	308.0	1889.3	30884.	316.1	328.2	1.04	2.256	188.0	424.2	.767
.9800	.9950	307.0	1889.9	30736.	318.4	330.4	1.04	2.257	188.3	424.8	.773
.9900	.9975	306.0	1890.4	30589.	320.7	332.6	1.04	2.257	188.5	425.4	.778
1.0000	1.0000	305.0	1890.9	30443.	323.0	334.9	1.04	2.258	188.6	425.9	.784

TABLE 3. SATURATED CRITICAL FLOW PROPERTIES

(TO 640 K (PSAT 20276.8 KPA))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	482.0	1841.2	56787.	152.4	184.8	1.21	2.041	160.4	327.4	.258
.0100	.0268	473.8	1846.8	56513.	153.7	185.9	1.21	2.042	161.0	328.7	.263
.0200	.0527	465.9	1852.4	56240.	154.9	187.1	1.21	2.043	161.9	330.0	.267
.0300	.0777	458.3	1858.0	55968.	156.2	188.2	1.20	2.043	162.4	331.4	.272
.0400	.1019	450.9	1863.6	55698.	157.5	189.4	1.20	2.044	163.0	332.5	.276
.0500	.1254	443.7	1869.2	55428.	158.7	190.5	1.20	2.044	163.1	333.9	.281
.0600	.1481	436.8	1874.8	55160.	160.0	191.7	1.20	2.045	163.6	334.6	.285
.0700	.1701	430.1	1880.4	54893.	161.3	192.8	1.20	2.045	164.5	335.8	.289
.0800	.1915	423.6	1886.0	54628.	162.5	194.0	1.19	2.046	165.0	336.9	.293
.0900	.2122	417.2	1891.6	54365.	163.8	195.1	1.19	2.047	165.2	338.1	.297
.1000	.2323	411.1	1897.2	54102.	165.1	196.2	1.19	2.048	165.6	339.2	.305
.1100	.2518	405.2	1902.8	53842.	166.4	197.4	1.19	2.048	166.1	340.3	.309
.1200	.2708	399.4	1908.4	53582.	167.6	198.5	1.18	2.049	166.9	341.5	.313
.1300	.2892	393.7	1914.0	53324.	168.9	199.6	1.18	2.050	167.3	342.4	.317
.1400	.3072	388.3	1919.6	53069.	170.2	200.8	1.18	2.050	167.5	343.5	.321
.1500	.3246	383.0	1925.2	52815.	171.5	201.9	1.18	2.051	168.0	344.5	.326
.1600	.3416	377.8	1930.8	52562.	172.8	203.0	1.18	2.052	168.4	345.6	.333
.1700	.3581	372.8	1936.4	52311.	174.1	204.2	1.17	2.053	168.9	346.7	.337
.1800	.3741	367.8	1942.0	52061.	175.4	205.3	1.17	2.053	169.3	347.7	.342
.1900	.3898	363.1	1947.6	51814.	176.8	206.4	1.17	2.054	169.8	348.8	.346
.2000	.4051	358.4	1953.2	51568.	177.9	207.6	1.17	2.055	170.2	349.8	.351
.2100	.4199	353.9	1958.9	51324.	179.2	208.7	1.16	2.055	170.6	350.9	.356
.2200	.4344	349.5	1964.5	51081.	180.5	209.9	1.16	2.056	171.0	351.9	.360
.2300	.4486	345.1	1970.1	50840.	181.8	211.0	1.16	2.057	171.4	352.6	.365
.2400	.4624	340.9	1975.7	50601.	183.1	212.2	1.16	2.057	171.8	353.5	.369
.2500	.4758	336.8	1981.3	50363.	184.4	213.3	1.16	2.058	172.2	354.5	.374
.2600	.4890	332.8	1986.9	50126.	185.7	214.4	1.15	2.059	172.6	355.4	.379
.2700	.5018	328.9	1992.5	49894.	187.0	215.5	1.15	2.060	173.0	356.4	.383
.2800	.5144	325.1	1998.1	49661.	188.3	216.6	1.15	2.060	173.4	357.3	.388
.2900	.5266	321.4	2003.7	49431.	189.7	217.8	1.15	2.061	173.8	358.2	.392
.3000	.5386	317.7	2009.3	49202.	191.0	218.9	1.15	2.062	174.2	359.1	.397
.3100	.5503	314.1	2014.9	48975.	192.3	220.0	1.14	2.062	174.5	360.0	.403
.3200	.5617	310.6	2020.5	48749.	193.6	221.2	1.14	2.063	174.9	360.9	.406
.3300	.5729	307.2	2026.1	48525.	194.9	222.3	1.14	2.064	175.3	361.7	.411
.3400	.5838	303.9	2031.7	48303.	196.2	223.4	1.14	2.065	175.6	362.6	.415
.3500	.5946	300.6	2037.3	48083.	197.6	224.6	1.14	2.065	176.0	363.5	.420
.3600	.6050	297.4	2042.9	47864.	198.9	225.7	1.14	2.066	176.3	364.3	.424
.3700	.6153	294.3	2048.5	47647.	200.2	226.9	1.13	2.067	176.7	365.2	.429
.3800	.6254	291.2	2054.1	47431.	201.5	228.0	1.13	2.067	177.0	366.0	.433
.3900	.6352	288.2	2059.7	47219.	202.9	229.2	1.13	2.068	177.4	366.8	.438
.4000	.6448	285.3	2065.3	47005.	204.2	230.3	1.13	2.069	177.7	367.6	.442
.4100	.6543	282.4	2070.9	46794.	205.5	231.5	1.13	2.069	178.0	368.4	.447
.4200	.6635	279.6	2076.5	46585.	206.9	232.6	1.12	2.070	178.4	369.2	.451
.4300	.6726	276.8	2082.1	46378.	208.2	233.8	1.12	2.071	178.7	370.0	.456
.4400	.6815	274.1	2087.7	46172.	209.6	234.9	1.12	2.072	179.0	370.8	.460
.4500	.6902	271.4	2093.3	45968.	210.9	236.1	1.12	2.073	179.3	371.6	.465
.4600	.6988	268.8	2098.9	45765.	212.3	237.3	1.12	2.073	179.6	372.4	.469
.4700	.7072	266.3	2104.5	45564.	213.6	238.4	1.12	2.074	179.9	373.1	.474
.4800	.7154	263.8	2110.1	45364.	215.0	239.6	1.11	2.074	180.2	373.9	.478
.4900	.7235	261.3	2115.7	45166.	216.3	240.8	1.11	2.075	180.6	374.6	.483
.5000	.7314	258.9	2121.3	44970.	217.7	241.9	1.11	2.076	180.9	375.4	.487
.5100	.7392	256.5	2126.9	44775.	219.0	243.1	1.11	2.076	181.2	376.1	.492
.5200	.7469	254.2	2132.5	44581.	220.4	244.3	1.11	2.077	181.4	376.8	.496
.5300	.7544	251.9	2138.1	44388.	221.8	245.5	1.11	2.078	181.7	377.6	.501
.5400	.7617	249.6	2143.7	44198.	223.1	246.7	1.10	2.078	182.0	378.3	.505
.5500	.7690	247.4	2149.3	44009.	224.5	247.8	1.10	2.079	182.3	379.0	.510
.5600	.7761	245.3	2154.9	43821.	225.9	249.0	1.10	2.079	182.6	379.7	.514
.5700	.7831	243.1	2160.5	43634.	227.3	250.2	1.10	2.080	182.9	380.4	.518
.5800	.7900	241.0	2166.1	43450.	228.7	251.4	1.10	2.081	183.1	381.1	.523
.5900	.7967	238.9	2171.7	43267.	230.0	252.6	1.10	2.082	183.4	381.8	.527
.6000	.8033	236.9	2177.3	43085.	231.4	253.8	1.10	2.082	183.7	382.4	.532
.6100	.8099	235.0	2182.9	42904.	232.8	255.0	1.10	2.083	183.9	383.1	.536
.6200	.8163	233.0	2188.5	42725.	234.2	256.2	1.09	2.083	184.2	383.8	.541
.6300	.8226	231.1	2194.1	42547.	235.6	257.4	1.09	2.084	184.4	384.5	.545
.6400	.8288	229.2	2199.7	42371.	237.0	258.7	1.09	2.085	184.7	385.2	.549
.6500	.8349	227.3	2205.3	42195.	238.4	259.9	1.09	2.085	185.0	385.7	.554
.6600	.8409	225.5	2210.9	42021.	239.8	261.2	1.09	2.086	185.2	386.4	.558
.6700	.8468	223.7	2216.5	41849.	241.2	262.4	1.09	2.086	185.5	387.0	.563
.6800	.8527	221.9	2222.1	41678.	242.6	263.6	1.09	2.087	185.7	387.7	.567
.6900	.8584	220.2	2227.7	41508.	244.1	264.9	1.09	2.088	186.0	388.3	.572
.7000	.8640	218.4	2233.3	41339.	245.5	266.1	1.08	2.088	186.2	388.8	.576
.7100	.8696	216.7	2238.9	41171.	246.9	267.4	1.08	2.089	186.5	389.6	.580
.7200	.8750	215.1	2244.5	41005.	248.3	268.6	1.08	2.090	186.7	390.2	.585
.7300	.8804	213.4	2250.1	40840.	249.8	269.9	1.08	2.090	187.0	390.8	.589
.7400	.8857	211.8	2255.7	40675.	251.2	271.1	1.08	2.091	187.2	391.3	.594
.7500	.8910	210.2	2261.3	40514.	252.6	272.4	1.08	2.091	187.4	392.0	.598
.7600	.8961	208.7	2266.9	40353.	254.1	273.7	1.08	2.092	187.7	392.6	.602
.7700	.9012	207.1	2272.5	40193.	255.5	275.0	1.08	2.092	187.9	393.4	.607
.7800	.9062	205.6	2278.1	40034.	257.0	276.3	1.08	2.093	188.1	393.7	.611
.7900	.9111	204.1	2283.7	39876.	258.4	277.6	1.07	2.094	188.3	394.3	.615
.8000	.9159	202.6	2289.3	39719.	259.9	278.9	1.07	2.094	188.6	394.9	.620
.8100	.9207	201.2	2294.9	39564.	261.3	280.2	1.07	2.095	188.8	395.5	.624
.8200	.9254	199.7	2300.5	39410.	262.8	281.5	1.07	2.096	189.0	396.1	.629
.8300	.9301	198.3	2306.1	39256.	264.3	282.8	1.07	2.096	189.2	396.6	.633
.8400	.9346	196.9	2311.7	39104.	265.7	284.1	1.07	2.097	189.4	397.2	.637
.8500	.9391	195.5	2317.3	38953.	267.2	285.5	1.07	2.097	189.6	397.7	.642
.8600	.9436	194.2	2322.9	38803.	268.7	286.8	1.07	2.098	189.8	398.2	.646
.8700	.9480	192.8	2328.5	38655.	270.2	288.1	1.07	2.098	190.1	398.8	.650
.8800	.9523	191.5	2334.1	38507.	271.7	289.5	1.07	2.099	190.3	399.3	.655
.8900	.9566	190.2	2339.7	38360.	273.2	290.8	1.06	2.099	190.5	399.8	.659
.9000	.9608	188.9	2345.3	38215.	274.7	292.2	1.06	2.100	190.7	400.4	.663
.9100	.9650	187.7	2350.9	38070.	276.2	293.6	1.06	2.100	190.9	400.9	.668
.9200	.9691	186.4	2356.5	37927.	277.7	294.9	1.06	2.101	191.1	401.4	.672
.9300	.9731	185.2	2362.1	37784.	279.2	296.3	1.06	2.102	191.3	402.0	.676
.9400	.9771	184.0	2367.7	37643.	280.7	297.7	1.06	2.102	191.5	402.5	.681
.9500	.9810	182.8	2373.3	37502.	282.2	299.1	1.06	2.103	191.7	403.0	.685
.9600	.9849	181.5	2378.9	37363.	283.8	300.5	1.06	2.103	191.8	403.4	.689
.9700	.9888	180.4	2384.5	37224.	285.3	301.9	1.06	2.104	192.0	404.0	.694
.9800	.9926	179.2	2390.1	37087.	286.8	303.3	1.06	2.104	192.2	404.5	.698
.9900	.9963	178.1	2395.7	36950.	288.4	304.8	1.06	2.105	192.4	405.0	.703
1.0000	1.0000	177.0	2401.3	36815.	289.9	306.2	1.06	2.105	192.6	405.5	.707

Critical State Properties Saturated Stagnation Conditions—Temperature Referenced

TABLE 4. Critical State Properties (Two-Phase Conditions--Temperature Referenced)

Values of the critical state properties listed below are presented in Table A-4.

Parameter	Symbol
Pressure	P*
Temperature	T*
Density	R*
Enthalpy	H*
Quality	X*
Void fraction	A*

The ratio of critical to stagnation properties listed below are also presented in Table A-4.

Parameter	Symbol
Pressure ratio	PR
Temperature ratio	TR
Density ratio	RR

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 290 K IPSAT 1.9 KPA))

XO	AO	RO KG/M3	HO KJ/KG	PO KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
0.0000	0.0000	998.9	70.7	1.8	289.37	350.3	68.1	.0000	.0493	.9608	.9978	.3507
.0100	.9986	1.4	95.3	1.6	287.36	35.2	60.5	.0003	.9648	.8441	.9909	24.5550
.0200	.9993	.7	119.9	1.5	286.19	18.5	58.2	.0006	.9815	.7824	.9859	24.8732
.0300	.9995	.5	144.5	1.4	285.44	12.6	53.7	.0009	.9874	.7449	.9843	25.3375
.0400	.9997	.4	169.2	1.4	284.93	9.5	52.2	.0011	.9905	.7203	.9825	25.5500
.0500	.9997	.3	193.8	1.3	284.50	7.6	51.0	.0013	.9924	.7000	.9810	25.9148
.0600	.9998	.2	218.4	1.3	284.19	6.3	50.3	.0016	.9937	.6859	.9800	26.4721
.0700	.9998	.2	243.0	1.3	283.94	5.4	49.8	.0018	.9946	.6742	.9791	26.9330
.0800	.9998	.2	267.6	1.3	283.74	4.7	49.6	.0021	.9953	.6656	.9784	26.9369
.0900	.9999	.2	292.2	1.3	283.53	4.4	49.3	.0023	.9957	.6563	.9777	26.9073
.1000	.9999	.1	316.8	1.2	283.39	3.9	49.3	.0026	.9963	.6500	.9772	25.8278
.1100	.9999	.1	341.5	1.2	283.24	3.3	47.4	.0028	.9967	.6438	.9767	25.6035
.1200	.9999	.1	366.1	1.2	283.17	3.0	49.7	.0031	.9970	.6406	.9766	25.4424
.1300	.9999	.1	390.7	1.2	283.02	2.8	49.8	.0033	.9972	.6364	.9759	25.1968
.1400	.9999	.1	415.3	1.2	282.97	2.6	50.2	.0036	.9973	.6320	.9758	24.9675
.1500	.9999	.1	439.9	1.2	282.84	2.4	50.3	.0039	.9977	.6286	.9753	24.6674
.1600	.9999	.1	464.6	1.2	282.76	2.2	50.7	.0042	.9978	.6234	.9750	24.4216
.1700	.9999	.1	489.2	1.2	282.75	2.0	51.4	.0045	.9980	.6227	.9749	24.2093
.1800	.9999	.1	513.8	1.2	282.69	1.9	51.9	.0048	.9981	.6203	.9748	23.9865
.1900	.9999	.1	538.4	1.2	282.65	1.8	52.5	.0051	.9983	.6187	.9747	23.7602
.2000	.9999	.1	563.0	1.2	282.58	1.7	52.6	.0054	.9983	.6156	.9744	23.4582
.2100	.9999	.1	587.7	1.2	282.52	1.6	53.5	.0057	.9984	.6133	.9742	23.1879
.2200	.9999	.1	612.3	1.2	282.48	1.5	54.4	.0060	.9985	.6117	.9741	22.9314
.2300	1.0000	.1	636.9	1.2	282.39	1.4	54.5	.0063	.9986	.6078	.9738	22.6011
.2400	1.0000	.1	661.5	1.2	282.43	1.3	55.5	.0067	.9987	.6094	.9740	22.5611
.2500	1.0000	.1	686.1	1.2	282.31	1.3	55.9	.0070	.9987	.6047	.9735	22.0756
.2600	1.0000	.1	710.7	1.2	282.33	1.2	56.9	.0074	.9988	.6055	.9736	21.8600
.2700	1.0000	.1	735.4	1.1	282.31	1.1	57.7	.0078	.9989	.6047	.9735	21.6023
.2800	1.0000	.1	760.0	1.1	282.23	1.1	58.3	.0081	.9989	.6016	.9732	21.2864
.2900	1.0000	.0	784.6	1.1	282.27	1.0	59.4	.0085	.9990	.6031	.9734	21.0779
.3000	1.0000	.0	809.2	1.1	282.23	1.0	60.2	.0089	.9990	.6016	.9732	20.7942
.3100	1.0000	.0	833.8	1.1	282.16	.9	60.9	.0093	.9991	.5984	.9730	20.4739
.3200	1.0000	.0	858.4	1.1	282.12	.9	61.8	.0097	.9991	.5969	.9728	20.1878
.3300	1.0000	.0	883.1	1.1	282.16	.9	63.0	.0102	.9991	.5984	.9730	19.8680
.3400	1.0000	.0	907.7	1.1	282.08	.8	63.7	.0106	.9992	.5953	.9727	19.6454
.3500	1.0000	.0	932.3	1.1	282.12	.8	65.1	.0110	.9992	.5969	.9728	19.4211
.3600	1.0000	.0	956.9	1.1	282.12	.8	66.2	.0115	.9992	.5969	.9728	19.1417
.3700	1.0000	.0	981.5	1.1	282.08	.7	67.2	.0120	.9993	.5953	.9727	18.8692
.3800	1.0000	.0	1006.1	1.1	282.00	.7	68.1	.0125	.9993	.5922	.9724	18.5652
.3900	1.0000	.0	1030.8	1.1	282.00	.7	69.4	.0130	.9993	.5922	.9724	18.2529
.4000	1.0000	.0	1055.4	1.1	281.96	.6	70.5	.0135	.9994	.5906	.9723	17.9894
.4100	1.0000	.0	1080.0	1.1	282.04	.6	72.2	.0141	.9994	.5938	.9726	17.7838
.4200	1.0000	.0	1104.6	1.1	282.04	.6	73.6	.0146	.9994	.5938	.9726	17.5173
.4300	1.0000	.0	1129.2	1.1	281.88	.6	74.3	.0152	.9994	.5875	.9720	17.1365
.4400	1.0000	.0	1153.9	1.1	281.92	.6	76.0	.0158	.9995	.5891	.9721	16.8079
.4500	1.0000	.0	1178.5	1.1	281.92	.5	77.5	.0164	.9995	.5891	.9721	16.6300
.4600	1.0000	.0	1203.1	1.1	281.88	.5	78.9	.0170	.9995	.5875	.9720	16.3345
.4700	1.0000	.0	1227.7	1.1	281.96	.5	80.9	.0177	.9995	.5906	.9723	16.1178
.4800	1.0000	.0	1252.3	1.1	281.96	.5	82.6	.0184	.9995	.5906	.9723	15.8469
.4900	1.0000	.0	1276.9	1.1	281.84	.5	83.8	.0190	.9996	.5859	.9719	15.4999
.5000	1.0000	.0	1301.6	1.1	281.84	.4	85.6	.0198	.9996	.5859	.9719	15.2292
.5100	1.0000	.0	1326.2	1.1	281.84	.4	87.5	.0205	.9996	.5859	.9719	14.9578
.5200	1.0000	.0	1350.8	1.1	281.84	.4	89.4	.0213	.9996	.5859	.9719	14.6859
.5300	1.0000	.0	1375.4	1.1	281.81	.4	91.3	.0221	.9996	.5844	.9717	14.3902
.5400	1.0000	.0	1400.0	1.1	281.81	.4	93.4	.0230	.9996	.5844	.9717	14.1177
.5500	1.0000	.0	1424.6	1.1	281.88	.4	96.0	.0239	.9996	.5875	.9720	13.8886
.5600	1.0000	.0	1449.3	1.1	281.88	.3	98.3	.0248	.9997	.5875	.9720	13.6139
.5700	1.0000	.0	1473.9	1.1	281.88	.3	100.7	.0258	.9997	.5875	.9720	13.3388
.5800	1.0000	.0	1498.5	1.1	281.73	.3	102.3	.0267	.9997	.5812	.9715	12.9814
.5900	1.0000	.0	1523.1	1.1	281.73	.3	104.9	.0278	.9997	.5812	.9715	12.7075
.6000	1.0000	.0	1547.7	1.1	281.77	.3	107.9	.0289	.9997	.5828	.9716	12.4527
.6100	1.0000	.0	1572.4	1.1	281.77	.3	110.7	.0300	.9997	.5828	.9716	12.1775
.6200	1.0000	.0	1597.0	1.1	281.77	.3	113.7	.0312	.9997	.5828	.9716	11.9019
.6300	1.0000	.0	1621.6	1.1	281.73	.3	116.5	.0325	.9997	.5813	.9715	11.6681
.6400	1.0000	.0	1646.2	1.1	281.73	.3	119.8	.0338	.9998	.5813	.9715	11.3924
.6500	1.0000	.0	1670.8	1.1	281.73	.2	123.3	.0352	.9998	.5813	.9715	11.0563
.6600	1.0000	.0	1695.4	1.1	281.81	.2	127.4	.0367	.9998	.5844	.9717	10.8127
.6700	1.0000	.0	1720.1	1.1	281.81	.2	131.2	.0382	.9998	.5844	.9717	10.5351
.6800	1.0000	.0	1744.7	1.1	281.81	.2	135.2	.0398	.9998	.5844	.9717	10.2571
.6900	1.0000	.0	1769.3	1.1	281.81	.2	139.5	.0416	.9998	.5844	.9717	9.9789
.7000	1.0000	.0	1793.9	1.1	281.81	.2	144.0	.0434	.9998	.5844	.9717	9.7005
.7100	1.0000	.0	1818.5	1.1	281.81	.2	148.7	.0453	.9998	.5844	.9717	9.4218
.7200	1.0000	.0	1843.1	1.1	281.69	.2	152.9	.0472	.9998	.5797	.9713	9.1428
.7300	1.0000	.0	1867.8	1.1	281.88	.2	159.8	.0496	.9998	.5875	.9720	8.8801
.7400	1.0000	.0	1892.4	1.1	281.84	.2	165.5	.0519	.9998	.5875	.9720	8.6089
.7500	1.0000	.0	1917.0	1.1	281.69	.2	170.1	.0541	.9999	.5797	.9713	8.2693
.7600	1.0000	.0	1941.6	1.1	281.69	.2	176.6	.0567	.9999	.5797	.9713	7.9910
.7700	1.0000	.0	1966.2	1.1	281.69	.1	183.6	.0596	.9999	.5797	.9713	7.7125
.7800	1.0000	.0	1990.9	1.1	281.65	.1	190.8	.0625	.9999	.5781	.9712	7.4235
.7900	1.0000	.0	2015.5	1.1	281.65	.1	198.9	.0658	.9999	.5781	.9712	7.1452
.8000	1.0000	.0	2040.1	1.1	281.65	.1	207.7	.0693	.9999	.5781	.9712	6.8665
.8100	1.0000	.0	2064.7	1.1	281.65	.1	217.2	.0732	.9999	.5781	.9712	6.5881
.8200	1.0000	.0	2089.3	1.1	281.73	.1	228.4	.0775	.9999	.5812	.9715	6.3760
.8300	1.0000	.0	2113.9	1.1	281.73	.1	239.7	.0821	.9999	.5813	.9715	6.0460
.8400	1.0000	.0	2138.6	1.1	281.73	.1	252.2	.0871	.9999	.5813	.9715	5.7650
.8500	1.0000	.0	2163.2	1.1	281.73	.1	266.0	.0927	.9999	.5813	.9715	5.4856
.8600	1.0000	.0	2187.8	1.1	281.73	.1	281.2	.0988	.9999	.5813	.9715	5.2057
.8700	1.0000	.0	2212.4	1.1	281.57	.1	296.1	.1051	.9999	.5750	.9709	4.9014
.8800	1.0000	.0	2237.0	1.1	281.57	.1	313.0	.1127	.9999	.5750	.9709	4.6226
.8900	1.0000	.0	2261.6	1.1	281.57	.1	330.4	.1213	.9999	.5750	.9709	4.3434
.9000	1.0000	.0	2286.3	1.1	281.57	.1	350.6	.1311	.9999	.5750	.9709	4.0649
.9100	1.0000	.0	2310.9	1.1	281.57	.1	388.5	.1423	.9999	.5750	.9709	3.7859
.9200	1.0000	.0	2335.5	1.1	281.57	.1	420.8	.1553	1.0000	.5750	.9709	3.5067
.9300	1.0000	.0	2360.1	1.1	281.73	.0	463.1	.1717	1.0000	.5812	.9715	3.2349
.9400	1.0000	.0	2384.7	1.1	281.73	.0	507.7	.1901	1.0000	.5812	.9715	2.9515
.9500	1.0000	.0	2409.3	1.1	281.61	.0	559.5	.2111	1.0000	.5765	.9711	2.6705
.9600	1.0000	.0	2434.0	1.1	281.61	.0	627.0	.2384	1.0000	.5765	.9711	2.3901
.9700	1.0000	.0	2458.6	1.1	281.61	.0	713.5	.2738	1.0000	.5765	.9711	2.1101
.9800	1.0000	.0	2483.2	1.1	281.61	.0	824.3	.3178	1.0000	.5765	.9711	1.8300
.9900	1.0000	.0	2507.8	1.1	281.61	.0	976.5	.3792	1.0000	.5765	.9711	1.5499
1.0000	1.0000	.0	2532.4	1.1	281.57	.0	1192.3	.4642	1.0000	.5750	.9709	1.2699

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 300 K (PSAT 3.5 KPA))

XO	AO	RO KG/M3	HO KJ/KG	PS KPA	TS K	DS KG/M3	HS KJ/KG	XS	AS	PS	TS	PS
0.0000	0.0000	998.6	112.5	3.4	299.13	359.9	109.0	.0000	.6390	.9500	.9971	.3611
.0100	.9975	2.5	136.9	3.0	297.21	30.0	101.9	.0004	.9699	.8433	.9907	19.6114
.0200	.9987	1.3	149.3	2.7	296.05	16.8	98.6	.0007	.9732	.7883	.9867	20.9802
.0300	.9992	.9	156.8	2.6	295.26	12.0	97.1	.0010	.9819	.7519	.9841	21.4699
.0400	.9994	.6	161.8	2.5	294.68	9.5	96.4	.0013	.9852	.7284	.9822	21.6644
.0500	.9995	.5	165.4	2.5	294.19	8.1	96.2	.0016	.9889	.7055	.9806	21.6951
.0600	.9996	.4	168.2	2.4	293.87	9.7	91.6	.0019	.9908	.6914	.9796	21.5969
.0700	.9997	.4	170.5	2.4	293.55	8.0	91.2	.0022	.9921	.6781	.9785	21.5825
.0800	.9997	.3	172.4	2.4	293.33	6.9	90.9	.0025	.9931	.6689	.9778	21.4877
.0900	.9997	.3	174.0	2.3	293.17	6.1	90.8	.0028	.9939	.6625	.9773	21.4105
.1000	.9998	.3	175.3	2.3	292.99	5.4	90.7	.0031	.9946	.6535	.9768	21.2063
.1100	.9998	.2	176.5	2.3	292.79	4.9	90.8	.0034	.9951	.6469	.9760	21.0277
.1200	.9998	.2	177.5	2.2	292.69	4.4	91.2	.0038	.9956	.6430	.9756	20.8898
.1300	.9998	.2	178.4	2.2	292.54	4.1	91.4	.0041	.9959	.6375	.9752	20.6477
.1400	.9998	.2	179.2	2.2	292.44	3.8	91.7	.0044	.9963	.6329	.9748	20.4952
.1500	.9999	.2	179.9	2.2	292.36	3.5	92.2	.0048	.9966	.6297	.9745	20.3056
.1600	.9999	.2	180.5	2.2	292.30	3.2	92.8	.0051	.9968	.6273	.9743	20.1309
.1700	.9999	.2	181.0	2.2	292.25	3.0	93.3	.0054	.9970	.6234	.9740	19.8679
.1800	.9999	.1	181.4	2.2	292.20	2.8	93.8	.0058	.9972	.6213	.9737	19.6941
.1900	.9999	.1	181.8	2.2	292.16	2.7	94.4	.0062	.9974	.6195	.9737	19.5255
.2000	.9999	.1	182.1	2.2	292.04	2.6	95.2	.0065	.9975	.6172	.9735	19.3142
.2100	.9999	.1	182.4	2.2	291.97	2.3	96.0	.0069	.9977	.6149	.9733	19.0970
.2200	.9999	.1	182.6	2.2	291.93	2.2	96.8	.0073	.9978	.6133	.9731	18.8917
.2300	.9999	.1	182.8	2.2	291.89	2.0	97.5	.0077	.9979	.6094	.9729	18.6327
.2400	.9999	.1	183.0	2.2	291.79	1.9	98.3	.0081	.9981	.6078	.9726	18.4188
.2500	.9999	.1	183.2	2.1	291.75	1.9	99.0	.0085	.9982	.6062	.9725	18.2013
.2600	.9999	.1	183.4	2.1	291.71	1.8	99.9	.0090	.9982	.6047	.9724	17.9817
.2700	.9999	.1	183.5	2.1	291.69	1.8	101.2	.0094	.9983	.6062	.9725	17.8207
.2800	.9999	.1	183.7	2.1	291.67	1.8	102.0	.0099	.9984	.6039	.9725	17.5795
.2900	.9999	.1	183.8	2.1	291.63	1.8	102.9	.0103	.9985	.6031	.9722	17.3868
.3000	.9999	.1	184.0	2.1	291.58	1.8	103.9	.0108	.9986	.6000	.9719	17.1075
.3100	.9999	.1	184.1	2.1	291.61	1.8	105.2	.0113	.9986	.6004	.9720	16.9200
.3200	.9999	.1	184.2	2.1	291.58	1.8	106.3	.0118	.9987	.6000	.9719	16.7014
.3300	.9999	.1	184.3	2.1	291.58	1.8	107.6	.0123	.9987	.6000	.9719	16.4981
.3400	1.0000	.1	184.4	2.1	291.52	1.8	108.9	.0129	.9988	.5997	.9717	16.2454
.3500	1.0000	.1	184.5	2.1	291.46	1.8	109.7	.0134	.9988	.5993	.9715	15.9960
.3600	1.0000	.1	184.6	2.1	291.48	1.8	111.2	.0140	.9989	.5991	.9716	15.799
.3700	1.0000	.1	184.7	2.1	291.47	1.8	112.5	.0145	.9989	.5989	.9716	15.5443
.3800	1.0000	.1	184.8	2.1	291.44	1.8	113.7	.0151	.9990	.5985	.9715	15.3486
.3900	1.0000	.1	184.8	2.1	291.38	1.8	115.1	.0159	.9990	.5972	.9713	15.0968
.4000	1.0000	.1	184.9	2.1	291.42	1.8	116.4	.0164	.9991	.5939	.9714	14.9071
.4100	1.0000	.1	185.0	2.1	291.42	.9	118.5	.0170	.9991	.5937	.9714	14.7911
.4200	1.0000	.1	185.0	2.1	291.38	.9	119.7	.0177	.9991	.5906	.9711	14.4263
.4300	1.0000	.1	185.1	2.1	291.39	.8	121.0	.0184	.9992	.5914	.9712	14.2709
.4400	1.0000	.1	185.2	2.1	291.39	.8	122.0	.0191	.9992	.5891	.9710	13.9531
.4500	1.0000	.1	185.2	2.1	291.33	.8	123.1	.0198	.9992	.5905	.9711	13.7723
.4600	1.0000	.1	185.3	2.1	291.31	.8	124.8	.0206	.9993	.5898	.9710	13.5410
.4700	1.0000	.1	185.3	2.1	291.31	.7	126.2	.0214	.9993	.5906	.9711	13.3323
.4800	1.0000	.1	185.4	2.1	291.31	.7	127.5	.0222	.9993	.5875	.9708	13.0653
.4900	1.0000	.1	185.4	2.1	291.27	.7	128.7	.0231	.9993	.5883	.9709	12.8587
.5000	1.0000	.1	185.5	2.1	291.21	.6	130.5	.0239	.9994	.5852	.9707	12.6059
.5100	1.0000	.1	185.5	2.1	291.21	.6	131.8	.0248	.9994	.5859	.9707	12.3843
.5200	1.0000	.0	185.6	2.1	291.21	.6	133.4	.0258	.9994	.5875	.9708	12.1815
.5300	1.0000	.0	185.6	2.1	291.21	.6	134.5	.0267	.9994	.5844	.9706	11.9253
.5400	1.0000	.0	185.6	2.1	291.21	.5	135.9	.0278	.9995	.5875	.9708	11.7340
.5500	1.0000	.0	185.7	2.1	291.29	.5	136.9	.0289	.9995	.5875	.9708	11.5109
.5600	1.0000	.0	185.7	2.1	291.21	.5	138.4	.0300	.9995	.5859	.9707	11.2684
.5700	1.0000	.0	185.7	2.1	291.21	.5	139.5	.0311	.9995	.5875	.9708	11.0091
.5800	1.0000	.0	185.7	2.1	291.21	.5	140.5	.0323	.9995	.5867	.9707	10.8480
.5900	1.0000	.0	185.8	2.1	291.21	.5	141.5	.0335	.9996	.5852	.9704	10.5605
.6000	1.0000	.0	185.8	2.1	291.12	.4	142.8	.0348	.9996	.5859	.9704	10.3357
.6100	1.0000	.0	185.8	2.1	291.16	.4	144.1	.0362	.9996	.5844	.9705	10.1263
.6200	1.0000	.0	185.8	2.1	291.08	.4	145.7	.0376	.9996	.5812	.9703	9.8697
.6300	1.0000	.0	185.8	2.1	291.08	.4	147.4	.0391	.9996	.5812	.9703	9.6444
.6400	1.0000	.0	185.8	2.1	291.16	.4	149.8	.0408	.9996	.5844	.9705	9.4476
.6500	1.0000	.0	185.9	2.1	291.16	.4	151.8	.0424	.9997	.5844	.9705	9.2208
.6600	1.0000	.0	185.9	2.1	291.16	.3	154.1	.0441	.9997	.5844	.9705	8.9937
.6700	1.0000	.0	185.9	2.1	291.04	.3	157.8	.0458	.9997	.5797	.9701	8.7267
.6800	1.0000	.0	185.9	2.1	291.04	.3	157.5	.0478	.9997	.5797	.9701	8.5006
.6900	1.0000	.0	185.9	2.1	291.04	.3	197.5	.0498	.9997	.5797	.9701	8.2738
.7000	1.0000	.0	185.9	2.1	291.25	.3	204.3	.0522	.9997	.5843	.9708	8.1069
.7100	1.0000	.0	185.9	2.0	291.04	.3	208.3	.0542	.9997	.5797	.9701	7.8199
.7200	1.0000	.0	185.9	2.0	291.04	.3	214.3	.0566	.9997	.5797	.9701	7.5927
.7300	1.0000	.0	185.9	2.0	291.04	.3	220.5	.0592	.9998	.5797	.9701	7.3685
.7400	1.0000	.0	185.9	2.0	290.99	.2	226.7	.0618	.9998	.5781	.9700	7.1273
.7500	1.0000	.0	185.9	2.0	290.99	.2	234.1	.0647	.9998	.5781	.9700	6.8998
.7600	1.0000	.0	185.9	2.0	290.99	.2	241.7	.0678	.9998	.5781	.9700	6.6722
.7700	1.0000	.0	185.9	2.0	290.99	.2	249.9	.0712	.9998	.5781	.9700	6.4445
.7800	1.0000	.0	185.9	2.1	291.08	.2	259.1	.0749	.9998	.5812	.9703	6.2339
.7900	1.0000	.0	185.9	2.1	291.08	.2	268.9	.0788	.9998	.5812	.9703	6.0054
.8000	1.0000	.0	186.0	2.1	291.08	.2	279.1	.0829	.9998	.5812	.9703	5.7959
.8100	1.0000	.0	186.0	2.1	291.08	.2	290.0	.0874	.9998	.5812	.9703	5.5467
.8200	1.0000	.0	186.0	2.0	290.99	.2	300.6	.0920	.9998	.5766	.9698	5.3941
.8300	1.0000	.0	186.0	2.0	290.99	.2	312.8	.0973	.9999	.5766	.9698	5.0679
.8400	1.0000	.0	186.0	2.0	290.99	.2	325.8	.1030	.9999	.5750	.9697	4.8332
.8500	1.0000	.0	186.0	2.0	290.91	.1	343.5	.1094	.9999	.5750	.9697	4.6051
.8600	1.0000	.0	186.0	2.0	290.91	.1	360.9	.1164	.9999	.5750	.9697	4.3768
.8700	1.0000	.0	186.0	2.0	290.99	.1	380.7	.1245	.9999	.5766	.9698	4.1534
.8800	1.0000	.0	186.0	2.0	290.99	.1	402.1	.1332	.9999	.5766	.9698	3.9345
.8900	1.0000	.0	186.0	2.0	290.99	.1	426.6	.1431	.9999	.5766	.9698	3.6950
.9000	1.0000	.0	186.0	2.0	290.99	.1	454.1	.1543	.9999	.5766	.9698	3.4664
.9100	1.0000	.0	186.0	2.0	290.99	.1	485.5	.1670	.9999	.5766	.9698	3.2371
.9200	1.0000	.0	186.0	2.0	290.91	.1	520.0	.1814	.9999	.5750	.9697	3.0044
.9300	1.0000	.0	186.0	2.0	290.91	.1	560.0	.1976	.9999	.5750	.9697	2.7754
.9400	1.0000	.0	186.0	2.0	290.91	.1	612.0	.2189	.9999	.5750	.9697	2.5467
.9500	1.0000	.0	186.0	2.0	290.91	.1	672.0	.2429	1.0000	.5750	.9697	2.3174
.9600	1.0000	.0	186.0	2.0	290.91	.1	744.6	.2725	1.0000	.5750	.9697	2.0881
.9700	1.0000	.0	186.0	2.0	290.99	.0	831.2	.3093	1.0000	.5750	.9697	1.8587
.9800	1.0000	.0	186.0	2.0	290.99	.0	934.0	.3581	1.0000	.5781	.9700	1.6309
.9900	1.0000	.0	186.0	2.0	290.99	.0	1061.0	.4313	1.0000	.5781	.9700	1.3999
1.0000	1.0000	.0	186.0	2.0	290.99	.0	1237.7	.5694	1.0000	.5781	.9700	1.1694

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 310 K (PSAT 6.2 KPA))

X0	A0	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
0.0000	0.0000	993.4	154.3	5.8	308.92	367.2	149.5	.0001	.6305	.9375	.9962	.3697
.0100	.9957	4.3	178.4	5.3	307.05	68.6	143.2	.0005	.9311	.8499	.9905	15.7948
.0200	.9974	2.2	202.6	4.9	305.81	37.3	139.0	.0009	.9625	.7928	.9865	17.1717
.0300	.9986	1.5	226.7	4.7	304.97	25.7	136.4	.0013	.9743	.7562	.9836	17.6780
.0400	.9989	1.1	250.9	4.5	304.36	19.5	134.7	.0016	.9805	.7303	.9818	17.8925
.0500	.9992	.9	275.0	4.4	303.88	15.7	133.5	.0020	.9843	.7105	.9802	17.9666
.0600	.9993	.7	299.2	4.3	303.50	13.0	132.8	.0023	.9869	.6953	.9790	17.9719
.0700	.9994	.6	323.3	4.2	303.18	11.2	132.3	.0027	.9888	.6828	.9780	17.9241
.0800	.9995	.5	347.4	4.2	302.92	9.7	132.1	.0031	.9903	.6727	.9772	17.8493
.0900	.9996	.5	371.6	4.1	302.70	8.6	132.1	.0034	.9914	.6641	.9764	17.7506
.1000	.9996	.4	395.7	4.1	302.53	7.7	132.3	.0038	.9923	.6578	.9759	17.6600
.1100	.9996	.4	419.9	4.1	302.37	6.9	132.5	.0042	.9931	.6516	.9754	17.5340
.1200	.9997	.4	444.0	4.0	302.22	6.3	132.8	.0045	.9937	.6461	.9749	17.3978
.1300	.9997	.3	468.2	4.0	302.06	5.8	133.1	.0049	.9942	.6407	.9744	17.2319
.1400	.9997	.3	492.3	4.0	301.95	5.3	133.6	.0053	.9947	.6359	.9740	17.0818
.1500	.9998	.3	516.5	3.9	301.84	4.9	134.1	.0057	.9951	.6320	.9737	16.9254
.1600	.9998	.3	540.6	3.9	301.73	4.6	134.7	.0061	.9954	.6281	.9733	16.7571
.1700	.9998	.3	564.7	3.9	301.65	4.3	135.3	.0065	.9958	.6250	.9731	16.5945
.1800	.9998	.2	588.9	3.9	301.58	4.0	136.1	.0070	.9960	.6227	.9728	16.4384
.1900	.9998	.2	613.0	3.9	301.54	3.7	137.0	.0074	.9963	.6211	.9727	16.2896
.2000	.9998	.2	637.2	3.8	301.43	3.5	137.6	.0079	.9965	.6172	.9724	16.0904
.2100	.9998	.2	661.3	3.8	301.41	3.3	138.6	.0083	.9967	.6164	.9723	15.9439
.2200	.9998	.2	685.5	3.8	301.32	3.1	139.4	.0088	.9969	.6133	.9720	15.7497
.2300	.9999	.2	709.6	3.8	301.26	3.0	140.3	.0093	.9971	.6109	.9719	15.5659
.2400	.9999	.2	733.7	3.8	301.21	2.8	141.3	.0097	.9972	.6094	.9717	15.3923
.2500	.9999	.2	757.9	3.8	301.21	2.7	142.5	.0103	.9974	.6094	.9717	15.2428
.2600	.9999	.2	782.0	3.8	301.17	2.5	143.4	.0108	.9975	.6063	.9714	15.0358
.2700	.9999	.2	806.2	3.8	301.08	2.4	144.5	.0113	.9976	.6047	.9712	14.8597
.2800	.9999	.2	830.3	3.8	301.06	2.3	145.7	.0118	.9977	.6039	.9712	14.6821
.2900	.9999	.2	854.5	3.8	301.06	2.2	147.1	.0124	.9978	.6039	.9712	14.5204
.3000	.9999	.1	878.6	3.7	301.01	2.1	148.3	.0130	.9979	.6023	.9710	14.3322
.3100	.9999	.1	902.8	3.7	300.99	2.0	149.4	.0135	.9980	.6016	.9709	14.1544
.3200	.9999	.1	926.9	3.7	300.97	1.9	150.7	.0141	.9981	.6008	.9709	13.9749
.3300	.9999	.1	951.0	3.7	300.92	1.8	152.3	.0147	.9982	.5992	.9707	13.7822
.3400	.9999	.1	975.2	3.7	300.86	1.7	153.5	.0154	.9983	.5969	.9705	13.5771
.3500	.9999	.1	999.3	3.7	300.88	1.7	155.2	.0160	.9983	.5977	.9706	13.4169
.3600	.9999	.1	1023.5	3.7	300.86	1.6	156.8	.0167	.9984	.5969	.9705	13.2325
.3700	.9999	.1	1047.6	3.7	300.86	1.5	158.4	.0174	.9985	.5969	.9705	13.0582
.3800	.9999	.1	1071.8	3.7	300.81	1.5	160.0	.0181	.9985	.5953	.9704	12.8611
.3900	.9999	.1	1095.9	3.7	300.79	1.4	161.6	.0188	.9986	.5945	.9703	12.6742
.4000	.9999	.1	1120.1	3.7	300.77	1.4	163.4	.0196	.9987	.5937	.9702	12.4865
.4100	.9999	.1	1144.2	3.7	300.74	1.3	165.2	.0203	.9987	.5930	.9701	12.2982
.4200	.9999	.1	1168.3	3.7	300.68	1.3	166.8	.0211	.9988	.5916	.9699	12.0893
.4300	.9999	.1	1192.5	3.7	300.70	1.2	168.9	.0220	.9988	.5914	.9700	11.9200
.4400	.9999	.1	1216.6	3.7	300.70	1.2	171.0	.0228	.9989	.5914	.9700	11.7399
.4500	.9999	.1	1240.8	3.7	300.68	1.1	173.0	.0237	.9989	.5906	.9699	11.5495
.4600	.9999	.1	1264.9	3.7	300.65	1.1	175.1	.0246	.9989	.5898	.9699	11.3588
.4700	1.0000	.1	1289.1	3.7	300.59	1.0	177.1	.0255	.9990	.5875	.9696	11.1495
.4800	1.0000	.1	1313.2	3.7	300.63	1.0	179.7	.0265	.9990	.5891	.9698	10.9854
.4900	1.0000	.1	1337.4	3.7	300.61	1.0	182.0	.0275	.9991	.5883	.9697	10.7937
.5000	1.0000	.1	1361.5	3.6	300.54	.9	184.2	.0285	.9991	.5859	.9695	10.5846
.5100	1.0000	.1	1385.6	3.6	300.54	.9	186.9	.0296	.9991	.5859	.9695	10.4012
.5200	1.0000	.1	1409.8	3.7	300.59	.9	189.9	.0307	.9992	.5875	.9696	10.2338
.5300	1.0000	.1	1433.9	3.7	300.56	.8	192.6	.0319	.9992	.5867	.9696	10.0411
.5400	1.0000	.1	1458.1	3.6	300.50	.8	195.1	.0331	.9992	.5844	.9693	9.8326
.5500	1.0000	.1	1482.2	3.6	300.50	.8	198.2	.0343	.9993	.5844	.9693	9.6477
.5600	1.0000	.1	1506.4	3.6	300.54	.7	201.7	.0357	.9993	.5859	.9695	9.4775
.5700	1.0000	.1	1530.5	3.6	300.40	.7	204.2	.0369	.9993	.5813	.9690	9.2474
.5800	1.0000	.1	1554.7	3.6	300.45	.7	207.9	.0384	.9993	.5828	.9692	9.0762
.5900	1.0000	.1	1578.8	3.6	300.45	.7	211.5	.0399	.9994	.5828	.9692	8.8902
.6000	1.0000	.1	1602.9	3.6	300.50	.6	214.5	.0414	.9994	.5844	.9693	8.7178
.6100	1.0000	.1	1627.1	3.6	300.47	.6	219.3	.0430	.9994	.5836	.9693	8.5242
.6200	1.0000	.1	1651.2	3.6	300.50	.6	223.6	.0447	.9994	.5844	.9693	8.3435
.6300	1.0000	.1	1675.4	3.6	300.50	.6	227.9	.0465	.9995	.5844	.9693	8.1559
.6400	1.0000	.1	1699.5	3.6	300.40	.5	231.8	.0483	.9995	.5813	.9690	7.9430
.6500	1.0000	.1	1723.7	3.6	300.45	.5	236.9	.0503	.9995	.5828	.9692	7.7681
.6600	1.0000	.1	1747.8	3.6	300.43	.5	241.7	.0523	.9995	.5820	.9691	7.5745
.6700	1.0000	.1	1772.0	3.6	300.43	.5	246.9	.0544	.9995	.5820	.9691	7.3862
.6800	1.0000	.1	1796.1	3.6	300.36	.5	251.9	.0566	.9996	.5797	.9689	7.1810
.6900	1.0000	.1	1820.2	3.6	300.36	.4	257.7	.0590	.9996	.5797	.9689	6.9936
.7000	1.0000	.1	1844.4	3.6	300.36	.4	263.8	.0615	.9996	.5797	.9689	6.8054
.7100	1.0000	.1	1868.5	3.6	300.40	.4	270.6	.0642	.9996	.5813	.9690	6.6269
.7200	1.0000	.1	1892.7	3.6	300.38	.4	277.3	.0670	.9996	.5805	.9690	6.4331
.7300	1.0000	.1	1916.8	3.6	300.38	.4	284.6	.0700	.9997	.5805	.9690	6.2441
.7400	1.0000	.1	1941.0	3.6	300.40	.4	292.5	.0732	.9997	.5813	.9690	6.0594
.7500	1.0000	.1	1965.1	3.6	300.40	.3	300.8	.0766	.9997	.5813	.9690	5.8699
.7600	1.0000	.1	1989.3	3.6	300.31	.3	308.8	.0800	.9997	.5781	.9687	5.6640
.7700	1.0000	.1	2013.4	3.6	300.31	.3	318.2	.0838	.9997	.5781	.9687	5.4749
.7800	1.0000	.1	2037.5	3.6	300.36	.3	328.7	.0881	.9997	.5797	.9689	5.2930
.7900	1.0000	.1	2061.7	3.6	300.36	.3	339.5	.0925	.9997	.5797	.9689	5.1032
.8000	1.0000	.1	2085.8	3.6	300.22	.3	349.8	.0970	.9998	.5750	.9684	4.9031
.8100	1.0000	.1	2110.0	3.6	300.22	.3	362.4	.1021	.9998	.5750	.9684	4.7040
.8200	1.0000	.1	2134.1	3.6	300.27	.2	376.5	.1079	.9998	.5766	.9686	4.5209
.8300	1.0000	.1	2158.3	3.6	300.27	.2	391.4	.1140	.9998	.5766	.9686	4.3313
.8400	1.0000	.1	2182.4	3.6	300.27	.2	407.6	.1206	.9998	.5766	.9686	4.1415
.8500	1.0000	.1	2206.5	3.6	300.27	.2	425.4	.1279	.9998	.5766	.9686	3.9516
.8600	1.0000	.1	2230.7	3.6	300.31	.2	445.6	.1361	.9998	.5781	.9687	3.7663
.8700	1.0000	.1	2254.8	3.6	300.31	.2	467.4	.1451	.9998	.5781	.9687	3.5759
.8800	1.0000	.0	2279.0	3.6	300.29	.2	491.2	.1549	.9998	.5773	.9687	3.3833
.8900	1.0000	.0	2303.1	3.6	300.22	.2	517.2	.1656	.9999	.5750	.9684	3.1873
.9000	1.0000	.0	2327.3	3.6	300.22	.1	547.6	.1781	.9999	.5750	.9684	2.9972
.9100	1.0000	.0	2351.4	3.6	300.31	.1	583.9	.1929	.9999	.5781	.9687	2.8131
.9200	1.0000	.0	2375.6	3.6	300.31	.1	623.7	.2092	.9999	.5781	.9687	2.6221
.9300	1.0000	.0	2399.7	3.6	300.31	.1	669.8	.2281	.9999	.5781	.9687	2.4304
.9400	1.0000	.0	2423.8	3.6	300.31	.1	723.7	.2502	.9999	.5781	.9687	2.2309
.9500	1.0000	.0	2448.0	3.6	300.29	.1	785.1	.2755	.9999	.5750	.9684	2.0454
.9600	1.0000	.0	2472.1	3.6	300.27	.1	863.4	.3076	.9999	.5766	.9686	1.8561
.9700	1.0000	.0	2496.3	3.6	300.27	.1	958.2	.3465	1.0000	.5766	.9686	1.6651
.9800	1.0000	.0	2520.4	3.6	300.27	.1	1077.6	.3945	1.0000	.5766	.9686	1.4740
.9900	1.0000	.0	2544.6	3.6	300.17	.1	1227.0	.4569	1.0000	.5734	.9683	1.2822
1.0000	1.0000	.0	2568.7	3.6	300.17	.0	1434.7	.5421	1.0000	.5734	.9683	1.0916

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 320 K (PSAT 10.5 KPA))

X0	A0	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
0.0000	0.0000	989.4	196.1	9.7	319.44	373.8	189.8	.0001	.6226	.9235	.9951	.3777
.0100	.9929	7.1	220.0	9.0	316.86	90.8	184.4	.0006	.9894	.8512	.9902	12.7765
.0200	.9865	3.6	243.9	8.4	315.59	50.5	180.2	.0011	.9891	.7965	.9863	14.1657
.0300	.9799	2.4	267.8	8.0	314.90	34.9	177.6	.0018	.9848	.7604	.9834	14.6541
.0400	.9983	1.8	291.7	7.7	314.06	26.7	176.0	.0020	.9732	.7350	.9814	14.9343
.0500	.9986	1.4	315.6	7.5	313.55	21.5	174.9	.0024	.9784	.7154	.9799	15.0412
.0600	.9989	1.2	339.5	7.4	313.13	17.9	174.1	.0028	.9820	.6996	.9785	15.0638
.0700	.9990	1.0	363.4	7.2	312.89	15.4	173.9	.0032	.9846	.6871	.9775	15.0490
.0800	.9992	.9	387.3	7.1	312.52	13.4	173.6	.0036	.9865	.6771	.9766	15.0119
.0900	.9993	.8	411.2	7.0	312.29	11.9	173.7	.0041	.9801	.6687	.9759	14.9492
.1000	.9993	.7	435.1	7.0	312.06	10.6	173.8	.0045	.9894	.6615	.9752	14.8904
.1100	.9994	.7	459.0	6.9	311.89	9.6	174.1	.0050	.9904	.6547	.9747	14.7652
.1200	.9995	.6	482.9	6.8	311.70	8.7	174.4	.0054	.9913	.6480	.9741	14.6409
.1300	.9995	.6	506.9	6.8	311.58	8.0	175.0	.0059	.9920	.6437	.9737	14.5398
.1400	.9996	.5	530.8	6.7	311.49	7.4	175.5	.0063	.9926	.6406	.9734	14.4624
.1500	.9996	.5	554.7	6.7	311.32	6.8	176.2	.0068	.9932	.6344	.9729	14.2849
.1600	.9996	.4	578.6	6.6	311.21	6.3	176.9	.0073	.9937	.6309	.9725	14.1504
.1700	.9996	.4	602.5	6.6	311.11	5.9	177.7	.0078	.9941	.6277	.9722	14.0201
.1800	.9997	.4	626.4	6.6	311.02	5.5	178.5	.0083	.9945	.6246	.9719	13.8819
.1900	.9997	.4	650.3	6.5	310.94	5.2	179.4	.0088	.9949	.6219	.9717	13.7436
.2000	.9997	.4	674.2	6.5	310.89	4.9	180.5	.0093	.9951	.6203	.9715	13.6180
.2100	.9997	.3	698.1	6.5	310.82	4.6	181.5	.0099	.9954	.6180	.9713	13.4750
.2200	.9997	.3	722.0	6.5	310.73	4.3	182.5	.0104	.9957	.6148	.9710	13.3155
.2300	.9998	.3	745.9	6.5	310.66	4.1	183.6	.0110	.9959	.6125	.9708	13.1648
.2400	.9998	.3	769.8	6.4	310.63	3.9	184.8	.0115	.9961	.6113	.9707	13.0242
.2500	.9998	.3	793.7	6.4	310.57	3.7	185.9	.0121	.9963	.6094	.9705	12.8773
.2600	.9998	.3	817.6	6.4	310.52	3.5	187.2	.0127	.9965	.6078	.9704	12.7289
.2700	.9998	.3	841.5	6.4	310.47	3.3	188.5	.0134	.9967	.6062	.9702	12.5784
.2800	.9998	.3	865.4	6.4	310.44	3.2	189.9	.0140	.9968	.6051	.9701	12.4313
.2900	.9998	.2	889.3	6.4	310.38	3.0	191.2	.0146	.9970	.6031	.9699	12.2710
.3000	.9998	.2	913.2	6.4	310.38	2.9	192.8	.0153	.9971	.6031	.9699	12.1347
.3100	.9998	.2	937.1	6.4	310.34	2.8	194.5	.0160	.9973	.6031	.9699	11.9997
.3200	.9998	.2	961.0	6.3	310.31	2.6	195.9	.0167	.9974	.6009	.9697	11.8304
.3300	.9999	.2	985.0	6.3	310.24	2.5	197.3	.0174	.9975	.5954	.9695	11.6602
.3400	.9999	.2	1008.9	6.3	310.28	2.4	199.3	.0182	.9976	.6000	.9696	11.5389
.3500	.9999	.2	1032.8	6.3	310.19	2.3	200.7	.0189	.9977	.5969	.9693	11.3573
.3600	.9999	.2	1056.7	6.3	310.19	2.2	202.6	.0197	.9978	.5969	.9693	11.2137
.3700	.9999	.2	1080.6	6.3	310.16	2.1	204.5	.0205	.9979	.5961	.9693	11.0595
.3800	.9999	.2	1104.5	6.3	310.09	2.0	206.1	.0213	.9980	.5937	.9690	10.8861
.3900	.9999	.2	1128.4	6.3	310.11	2.0	208.3	.0222	.9981	.5945	.9691	10.7489
.4000	.9999	.2	1152.3	6.2	310.04	1.9	210.1	.0231	.9981	.5922	.9689	10.5745
.4100	.9999	.2	1176.2	6.2	310.07	1.8	212.5	.0240	.9982	.5930	.9690	10.4351
.4200	.9999	.2	1200.1	6.2	310.04	1.8	214.6	.0249	.9983	.5922	.9689	10.2775
.4300	.9999	.2	1224.0	6.2	309.99	1.7	216.7	.0259	.9984	.5906	.9687	10.1110
.4400	.9999	.2	1247.9	6.2	310.02	1.6	219.2	.0269	.9984	.5914	.9688	9.9691
.4500	.9999	.2	1271.8	6.2	309.94	1.6	221.4	.0279	.9985	.5891	.9686	9.7938
.4600	.9999	.2	1295.7	6.2	309.97	1.5	224.1	.0290	.9985	.5898	.9687	9.6505
.4700	.9999	.1	1319.6	6.2	309.92	1.4	226.5	.0300	.9986	.5883	.9685	9.4830
.4800	.9999	.1	1343.5	6.2	309.94	1.4	229.4	.0312	.9986	.5891	.9686	9.3383
.4900	.9999	.1	1367.4	6.2	309.92	1.3	232.1	.0324	.9987	.5883	.9685	9.1778
.5000	.9999	.1	1391.3	6.2	309.92	1.3	239.0	.0336	.9987	.5883	.9685	9.0245
.5100	.9999	.1	1415.2	6.2	309.90	1.2	238.0	.0348	.9988	.5875	.9684	8.8634
.5200	.9999	.1	1439.1	6.2	309.87	1.2	241.0	.0361	.9988	.5867	.9683	8.7023
.5300	.9999	.1	1463.1	6.2	309.90	1.2	244.4	.0378	.9989	.5875	.9684	8.5547
.5400	.9999	.1	1487.0	6.2	309.80	1.1	247.3	.0388	.9989	.5844	.9681	8.3728
.5500	.9999	.1	1510.9	6.2	309.85	1.1	251.1	.0404	.9990	.5859	.9683	8.2311
.5600	.9999	.1	1534.8	6.2	309.82	1.0	254.6	.0419	.9990	.5852	.9682	8.0692
.5700	.9999	.1	1558.7	6.2	309.82	1.0	258.5	.0434	.9990	.5852	.9682	7.9135
.5800	.9999	.1	1582.6	6.2	309.78	1.0	262.0	.0450	.9991	.5829	.9680	7.7391
.5900	.9999	.1	1606.5	6.2	309.80	.9	266.5	.0468	.9991	.5844	.9681	7.5951
.6000	1.0000	.1	1630.4	6.1	309.77	.9	270.6	.0486	.9992	.5836	.9680	7.4329
.6100	1.0000	.1	1654.3	6.2	309.80	.9	275.3	.0505	.9992	.5844	.9681	7.2819
.6200	1.0000	.1	1678.2	6.1	309.70	.8	279.4	.0523	.9992	.5812	.9678	7.1026
.6300	1.0000	.1	1702.1	6.1	309.75	.8	284.7	.0544	.9993	.5829	.9680	6.9566
.6400	1.0000	.1	1726.0	6.1	309.75	.8	289.9	.0566	.9993	.5829	.9680	6.7993
.6500	1.0000	.1	1749.9	6.1	309.72	.7	295.1	.0588	.9993	.5820	.9679	6.6365
.6600	1.0000	.1	1773.8	6.1	309.72	.7	300.8	.0612	.9993	.5820	.9679	6.4790
.6700	1.0000	.1	1797.7	6.1	309.65	.7	306.3	.0635	.9994	.5797	.9677	6.3067
.6800	1.0000	.1	1821.6	6.1	309.65	.6	312.6	.0661	.9994	.5797	.9677	6.1491
.6900	1.0000	.1	1845.5	6.1	309.70	.6	319.6	.0690	.9994	.5812	.9678	6.0003
.7000	1.0000	.1	1869.4	6.1	309.67	.6	326.4	.0718	.9994	.5805	.9677	5.8375
.7100	1.0000	.1	1893.3	6.1	309.70	.6	334.0	.0749	.9995	.5812	.9678	5.6834
.7200	1.0000	.1	1917.2	6.1	309.60	.5	341.5	.0780	.9995	.5781	.9675	5.5084
.7300	1.0000	.1	1941.1	6.1	309.60	.5	349.3	.0814	.9995	.5781	.9675	5.3501
.7400	1.0000	.1	1965.0	6.1	309.63	.5	358.0	.0850	.9995	.5781	.9675	5.1916
.7500	1.0000	.1	1988.9	6.1	309.65	.5	367.8	.0890	.9996	.5797	.9677	5.0403
.7600	1.0000	.1	2012.9	6.1	309.63	.5	377.6	.0931	.9996	.5789	.9676	4.8778
.7700	1.0000	.1	2036.8	6.1	309.50	.4	387.0	.0972	.9996	.5750	.9672	4.7019
.7800	1.0000	.1	2060.7	6.1	309.63	.4	399.1	.1022	.9996	.5789	.9676	4.5595
.7900	1.0000	.1	2084.6	6.1	309.55	.4	411.1	.1071	.9996	.5766	.9673	4.3909
.8000	1.0000	.1	2108.5	6.1	309.55	.4	424.2	.1125	.9997	.5766	.9673	4.2319
.8100	1.0000	.1	2132.4	6.1	309.55	.4	438.3	.1184	.9997	.5766	.9673	4.0727
.8200	1.0000	.1	2156.3	6.1	309.60	.3	454.2	.1249	.9997	.5781	.9677	3.9187
.8300	1.0000	.1	2180.2	6.1	309.60	.3	470.9	.1318	.9997	.5781	.9675	3.7590
.8400	1.0000	.1	2204.1	6.1	309.58	.3	488.7	.1392	.9997	.5773	.9674	3.5969
.8500	1.0000	.1	2228.0	6.1	309.58	.3	508.5	.1474	.9998	.5773	.9674	3.4371
.8600	1.0000	.1	2251.9	6.1	309.60	.3	530.6	.1565	.9998	.5781	.9675	3.2793
.8700	1.0000	.1	2275.8	6.1	309.60	.3	554.7	.1665	.9998	.5781	.9675	3.1191
.8800	1.0000	.1	2299.7	6.1	309.50	.2	579.8	.1770	.9998	.5742	.9672	2.9618
.8900	1.0000	.1	2323.6	6.1	309.50	.2	609.4	.1893	.9998	.5750	.9672	2.7990
.9000	1.0000	.1	2347.5	6.1	309.55	.2	643.5	.2033	.9998	.5766	.9673	2.6352
.9100	1.0000	.1	2371.4	6.1	309.55	.2	681.1	.2193	.9998	.5766	.9673	2.4749
.9200	1.0000	.1	2395.3	6.1	309.55	.2	724.0	.2366	.9999	.5765	.9673	2.3146
.9300	1.0000	.1	2419.2	6.1	309.53	.2	772.6	.2568	.9999	.5758	.9673	2.1532
.9400	1.0000	.1	2443.2	6.1	310.28	.2	840.4	.2875	.9999	.6000	.9696	2.0211
.9500	1.0000	.1	2467.1	6.1	309.53	.1	896.9	.3083	.9999	.5758	.9673	1.8824
.9600	1.0000	.1	2491.0	6.0	309.45	.1	974.5	.3405	.9999	.5734	.9670	1.6700
.9700	1.0000	.1	2514.9	6.0	309.45	.1	1071.3	.3805	.9999	.5734	.9670	1.5098
.9800	1.0000	.1	2538.8	6.0	309.45	.1	1191.0	.4301	.9999	.5734	.9670	1.3496
.9900	1.0000	.1	2562.7	6.0	309.45	.1	1341.1	.4930	1.0000	.5734	.9670	1.1893
1.0000	1.0000	.1	2586.6	6.0	309.45	.1	1542.6	.5757	1.0000	.5734	.9670	1.0290

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 330 K (PSAT 17.2 KPA))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
0.0000	0.0000	984.8	237.9	15.6	327.99	380.6	279.9	.0002	.6140	.9088	.9939	.3865
.0100	.9887	11.2	351.6	14.6	326.63	116.2	225.6	.0007	.8823	.8511	.9898	10.3621
.0200	.9944	5.6	383.2	13.7	325.33	66.3	221.5	.0013	.9329	.7990	.9859	11.7548
.0300	.9963	3.8	408.9	13.1	324.42	46.3	218.9	.0018	.9532	.7641	.9831	12.2998
.0400	.9972	2.8	432.6	12.9	323.74	35.5	217.2	.0023	.9641	.7387	.9810	12.5837
.0500	.9978	2.3	456.2	12.4	323.20	28.7	216.2	.0028	.9710	.7195	.9794	12.7005
.0600	.9982	1.9	479.9	12.1	322.77	24.1	215.5	.0033	.9757	.7041	.9781	12.7563
.0700	.9985	1.6	503.6	11.9	322.39	20.6	215.2	.0038	.9792	.6910	.9769	12.7964
.0800	.9987	1.4	527.2	11.7	322.04	18.0	215.2	.0043	.9818	.6805	.9760	12.8335
.0900	.9988	1.3	550.9	11.5	321.82	16.0	215.2	.0048	.9839	.6715	.9752	12.8678
.1000	.9990	1.1	574.5	11.4	321.60	14.3	215.5	.0053	.9856	.6643	.9746	12.6343
.1100	.9991	1.0	598.2	11.3	321.41	12.9	215.9	.0058	.9870	.6578	.9740	12.5646
.1200	.9992	.9	621.9	11.2	321.21	11.8	216.3	.0064	.9882	.6512	.9734	12.4693
.1300	.9992	.9	645.5	11.1	321.08	10.8	216.9	.0069	.9892	.6461	.9729	12.3808
.1400	.9993	.8	669.2	11.0	320.91	9.9	217.6	.0074	.9900	.6414	.9724	12.2937
.1500	.9993	.8	692.9	11.0	320.77	9.2	218.4	.0080	.9908	.6371	.9720	12.1803
.1600	.9994	.7	716.5	10.9	320.68	8.6	219.4	.0086	.9914	.6340	.9717	12.0842
.1700	.9994	.7	740.2	10.8	320.55	8.0	220.2	.0091	.9920	.6301	.9714	11.9681
.1800	.9995	.6	763.8	10.8	320.46	7.5	221.2	.0097	.9925	.6270	.9711	11.8562
.1900	.9995	.6	787.5	10.7	320.34	7.0	222.2	.0103	.9930	.6234	.9707	11.7329
.2000	.9995	.6	811.2	10.7	320.29	6.6	223.4	.0109	.9934	.6219	.9706	11.6309
.2100	.9996	.5	834.8	10.6	320.20	6.2	224.5	.0116	.9938	.6187	.9703	11.5031
.2200	.9996	.5	858.5	10.6	320.12	5.9	225.7	.0122	.9941	.6164	.9701	11.3819
.2300	.9996	.5	882.2	10.6	320.05	5.5	227.0	.0129	.9945	.6141	.9698	11.2553
.2400	.9996	.5	905.8	10.5	319.90	5.2	228.4	.0135	.9948	.6127	.9697	11.1396
.2500	.9997	.5	929.5	10.5	319.97	5.0	229.9	.0142	.9950	.6117	.9696	11.0289
.2600	.9997	.4	953.1	10.5	319.88	4.7	231.2	.0149	.9953	.6090	.9693	10.9912
.2700	.9997	.4	976.8	10.4	319.83	4.5	232.7	.0156	.9955	.6074	.9692	10.7660
.2800	.9997	.4	000.5	10.4	319.78	4.3	234.3	.0164	.9957	.6059	.9690	10.6388
.2900	.9997	.4	024.1	10.4	319.77	4.1	236.1	.0171	.9959	.6055	.9690	10.5237
.3000	.9997	.4	047.8	10.4	319.69	3.9	237.6	.0179	.9961	.6031	.9688	10.3840
.3100	.9997	.4	071.5	10.3	319.65	3.8	239.3	.0187	.9963	.5020	.9686	10.2567
.3200	.9998	.4	095.1	10.3	319.64	3.6	241.2	.0195	.9964	.6016	.9686	10.1357
.3300	.9998	.3	1018.8	10.3	319.58	3.4	243.0	.0203	.9966	.5996	.9684	9.9981
.3400	.9998	.3	1042.5	10.3	319.54	3.3	244.8	.0212	.9967	.5984	.9683	9.8672
.3500	.9998	.3	1066.1	10.3	319.54	3.2	247.0	.0221	.9969	.5984	.9683	9.7479
.3600	.9998	.3	1089.8	10.3	319.51	3.0	249.1	.0230	.9970	.5977	.9682	9.6191
.3700	.9998	.3	1113.4	10.2	319.45	2.9	251.0	.0239	.9971	.5957	.9680	9.4773
.3800	.9998	.3	1137.1	10.2	319.42	2.8	253.2	.0249	.9973	.5949	.9679	9.3471
.3900	.9998	.3	1160.8	10.2	319.38	2.7	255.4	.0259	.9974	.5937	.9678	9.2122
.4000	.9998	.3	1184.4	10.2	319.36	2.6	257.7	.0269	.9975	.5930	.9678	9.0806
.4100	.9998	.3	1208.1	10.2	319.33	2.5	260.1	.0279	.9976	.5922	.9677	8.9384
.4200	.9998	.3	1231.8	10.2	319.32	2.4	262.7	.0290	.9977	.5918	.9676	8.8194
.4300	.9998	.3	1255.4	10.2	319.29	2.3	265.2	.0301	.9978	.5910	.9676	8.6861
.4400	.9999	.3	1279.1	10.1	319.18	2.2	267.4	.0312	.9978	.5895	.9672	8.5775
.4500	.9999	.3	1302.7	10.1	319.23	2.1	270.5	.0325	.9979	.5891	.9674	8.4148
.4600	.9999	.2	1326.4	10.1	319.25	2.0	273.6	.0337	.9980	.5898	.9674	8.2941
.4700	.9999	.2	1350.1	10.1	319.20	2.0	276.4	.0349	.9981	.5883	.9673	8.1524
.4800	.9999	.2	1373.7	10.1	319.19	1.9	279.4	.0363	.9982	.5879	.9672	8.0206
.4900	.9999	.2	1397.4	10.1	319.20	1.8	282.8	.0376	.9982	.5883	.9673	7.8948
.5000	.9999	.2	1421.1	10.1	319.18	1.8	286.0	.0390	.9983	.5875	.9672	7.7589
.5100	.9999	.2	1444.7	10.1	319.14	1.7	289.3	.0405	.9984	.5863	.9671	7.6197
.5200	.9999	.2	1468.4	10.1	319.15	1.6	293.0	.0420	.9984	.5867	.9671	7.4926
.5300	.9999	.2	1492.1	10.1	319.10	1.6	296.4	.0435	.9985	.5852	.9670	7.3501
.5400	.9999	.2	1515.7	10.1	319.12	1.5	300.5	.0452	.9985	.5859	.9670	7.2263
.5500	.9999	.2	1539.4	10.1	319.10	1.5	304.3	.0469	.9986	.5852	.9670	7.0883
.5600	.9999	.2	1563.0	10.1	319.10	1.4	308.5	.0486	.9986	.5852	.9670	6.9568
.5700	.9999	.2	1586.7	10.0	319.03	1.4	312.4	.0503	.9987	.5828	.9667	6.8087
.5800	.9999	.2	1610.4	10.0	319.03	1.3	317.0	.0522	.9987	.5832	.9668	6.6906
.5900	.9999	.2	1634.0	10.0	319.01	1.3	321.9	.0542	.9988	.5836	.9668	6.5601
.6000	.9999	.2	1657.7	10.0	319.01	1.2	326.5	.0563	.9988	.5824	.9667	6.4101
.6100	.9999	.2	1681.4	10.0	318.97	1.2	331.4	.0584	.9989	.5813	.9666	6.2701
.6200	.9999	.2	1705.0	10.0	319.02	1.1	337.1	.0607	.9989	.5823	.9667	6.1475
.6300	.9999	.2	1728.7	10.0	318.99	1.1	342.6	.0630	.9990	.5820	.9666	6.0093
.6400	.9999	.2	1752.3	10.1	319.18	1.0	349.7	.0656	.9990	.5875	.9677	5.9079
.6500	.9999	.2	1776.0	10.0	319.94	1.0	354.2	.0679	.9991	.5805	.9665	5.7338
.6600	.9999	.2	1799.7	10.0	318.91	1.0	360.4	.0706	.9991	.5797	.9664	5.5961
.6700	.9999	.2	1823.3	10.0	318.97	.9	367.6	.0735	.9991	.5812	.9666	5.4709
.6800	.9999	.2	1847.0	10.0	318.94	.9	374.5	.0764	.9992	.5805	.9665	5.3329
.6900	.9999	.2	1870.7	10.0	318.97	.9	382.2	.0796	.9992	.5813	.9666	5.2029
.7000	1.0000	.2	1894.3	10.0	318.89	.8	389.4	.0827	.9992	.5789	.9663	5.0571
.7100	1.0000	.2	1918.0	9.9	318.86	.8	397.5	.0862	.9993	.5781	.9662	4.9193
.7200	1.0000	.2	1941.6	10.0	318.91	.8	406.8	.0899	.9993	.5797	.9664	4.7922
.7300	1.0000	.2	1965.3	9.9	318.86	.7	415.6	.0937	.9993	.5781	.9662	4.6507
.7400	1.0000	.2	1989.0	10.0	318.89	.7	425.7	.0979	.9994	.5789	.9663	4.5196
.7500	1.0000	.2	2012.6	10.0	318.89	.7	436.2	.1023	.9994	.5789	.9663	4.3848
.7600	1.0000	.1	2036.3	9.9	318.83	.6	446.8	.1068	.9994	.5773	.9662	4.2437
.7700	1.0000	.1	2060.0	9.9	318.81	.6	458.4	.1117	.9995	.5766	.9661	4.1060
.7800	1.0000	.1	2083.6	9.9	318.86	.5	471.6	.1171	.9995	.5781	.9662	3.9768
.7900	1.0000	.1	2107.3	9.9	318.86	.5	485.2	.1228	.9995	.5781	.9662	3.8416
.8000	1.0000	.1	2131.0	9.9	318.83	.5	499.8	.1288	.9995	.5773	.9662	3.7037
.8100	1.0000	.1	2154.6	9.9	318.83	.5	515.2	.1354	.9996	.5773	.9662	3.5684
.8200	1.0000	.1	2178.3	9.9	318.86	.5	532.5	.1425	.9996	.5781	.9662	3.4353
.8300	1.0000	.1	2201.9	9.9	318.83	.5	550.5	.1501	.9996	.5773	.9662	3.2974
.8400	1.0000	.1	2225.6	9.9	318.76	.4	569.5	.1582	.9996	.5750	.9659	3.1555
.8500	1.0000	.1	2249.3	9.9	318.76	.4	591.2	.1672	.9997	.5750	.9659	3.0201
.8600	1.0000	.1	2272.9	9.9	318.81	.4	615.6	.1774	.9997	.5766	.9661	2.8883
.8700	1.0000	.1	2296.6	9.9	318.81	.4	641.8	.1883	.9997	.5766	.9661	2.7525
.8800	1.0000	.1	2320.3	9.9	318.78	.3	670.2	.2002	.9997	.5754	.9660	2.6140
.8900	1.0000	.1	2343.9	9.9	318.74	.3	702.3	.2136	.9997	.5758	.9660	2.4790
.9000	1.0000	.1	2367.6	9.9	318.78	.3	738.0	.2286	.9998	.5758	.9660	2.3431
.9100	1.0000	.1	2391.2	9.9	318.78	.3	778.2	.2453	.9998	.5758	.9660	2.2070
.9200	1.0000	.1	2414.9	9.9	318.70	.3	822.8	.2639	.9998	.5734	.9658	2.0675
.9300	1.0000	.1	2438.6	9.9	318.70	.2	873.0	.2854	.9998	.5734	.9658	1.9346
.9400	1.0000	.1	2462.2	9.9	318.76	.2	934.8	.3108	.9998	.5750	.9659	1.7974
.9500	1.0000	.1	2485.9	9.9	318.76	.2	1004.4	.3399	.9999	.5750	.9659	1.6612
.9600	1.0000	.1	2509.6	9.9	318.76	.2	1086.5	.3742	.9999	.5750	.9659	1.5249
.9700	1.0000	.1	2533.2	9.9	318.73	.2	1183.7	.4148	.9999	.5742	.9658	1.3870
.9800	1.0000	.1	2556.9	9.9	318.73	.1	1303.3	.4648	.9999	.5742	.9658	1.2516
.9900	1.0000	.1	2580.6	9.9	318.76	.1	1453.5	.5275	.9999	.5750	.9659	1.1154
1.0000	1.0000	.1	2604.2	9.9	318.76	.1	1644.3	.6072	1.0000	.5750	.9659	.9786

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 340 K (PSAT 27.2 KPA))

XO	AO	PO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	PR
0.0000	0.0000	979.4	279.8	24.3	337.47	387.4	269.8	.0002	.6051	.8935	.9926	.3955
.0100	.9827	17.1	303.2	23.1	330.35	144.1	266.6	.0009	.8533	.8494	.9893	8.4182
.0200	.9914	8.6	326.6	21.9	332.06	84.7	262.7	.0015	.9139	.8010	.9855	9.8124
.0300	.9943	5.8	350.0	20.8	334.13	59.9	260.2	.0021	.9392	.7674	.9827	10.3765
.0400	.9958	4.3	373.4	20.2	333.40	46.2	258.8	.0029	.9531	.7422	.9806	10.6535
.0500	.9966	3.5	396.9	19.6	332.84	37.5	257.6	.0033	.9620	.7232	.9789	10.8094
.0600	.9972	2.9	420.3	19.2	332.37	31.5	256.9	.0039	.9681	.7074	.9775	10.8782
.0700	.9976	2.5	443.7	18.9	332.00	27.4	256.8	.0044	.9726	.6953	.9765	10.9150
.0800	.9980	2.2	467.1	18.6	331.64	23.5	256.7	.0050	.9760	.6840	.9754	10.9023
.0900	.9982	1.9	490.5	18.3	331.37	21.0	256.9	.0056	.9788	.6754	.9746	10.8842
.1000	.9984	1.7	514.0	18.1	331.13	18.9	257.3	.0062	.9810	.6676	.9739	10.8430
.1100	.9986	1.6	537.4	17.9	330.89	17.0	257.7	.0068	.9829	.6602	.9732	10.7809
.1200	.9987	1.4	560.8	17.8	330.71	15.5	258.4	.0074	.9843	.6547	.9727	10.7254
.1300	.9988	1.3	584.2	17.6	330.52	14.2	259.1	.0080	.9856	.6498	.9721	10.6476
.1400	.9989	1.2	607.6	17.5	330.37	13.1	259.9	.0087	.9868	.6443	.9717	10.5747
.1500	.9990	1.2	631.0	17.4	330.23	12.2	260.9	.0093	.9878	.6400	.9713	10.4930
.1600	.9991	1.1	654.5	17.3	330.10	11.3	261.9	.0100	.9886	.6361	.9709	10.4069
.1700	.9991	1.0	677.9	17.2	329.98	10.6	263.0	.0108	.9894	.6326	.9705	10.3179
.1800	.9992	1.0	701.3	17.1	329.89	9.9	264.3	.0115	.9901	.6297	.9703	10.2293
.1900	.9992	.9	724.7	17.0	329.77	9.3	265.5	.0120	.9907	.6264	.9699	10.1302
.2000	.9993	.9	748.1	16.9	329.66	8.7	266.9	.0127	.9913	.6230	.9696	10.0264
.2100	.9993	.8	771.5	16.9	329.58	8.2	267.9	.0134	.9918	.6207	.9694	9.9298
.2200	.9994	.8	795.0	16.8	329.50	7.8	269.3	.0142	.9922	.6184	.9691	9.8294
.2300	.9994	.8	818.4	16.7	329.42	7.4	270.8	.0149	.9926	.6160	.9689	9.7258
.2400	.9994	.7	841.8	16.7	329.38	7.0	272.5	.0157	.9930	.6148	.9688	9.6323
.2500	.9995	.7	865.2	16.6	329.29	6.6	273.9	.0165	.9934	.6121	.9685	9.5189
.2600	.9995	.7	888.6	16.6	329.25	6.3	275.7	.0173	.9937	.6109	.9684	9.4202
.2700	.9995	.6	912.1	16.5	329.20	6.0	277.4	.0181	.9940	.6094	.9682	9.3151
.2800	.9995	.6	935.5	16.5	329.14	5.7	279.2	.0190	.9943	.6078	.9681	9.2083
.2900	.9996	.6	958.9	16.4	329.06	5.5	280.9	.0198	.9946	.6055	.9678	9.0917
.3000	.9996	.6	982.3	16.4	329.02	5.2	282.9	.0207	.9949	.6043	.9677	8.9857
.3100	.9996	.6	1005.7	16.4	328.97	5.0	284.8	.0216	.9951	.6027	.9675	8.8745
.3200	.9996	.5	1029.1	16.4	328.95	4.8	287.0	.0226	.9953	.6023	.9675	8.7734
.3300	.9996	.5	1052.6	16.3	328.88	4.6	289.0	.0235	.9955	.6004	.9673	8.6562
.3400	.9997	.5	1076.0	16.3	328.84	4.4	291.1	.0245	.9957	.5993	.9672	8.5445
.3500	.9997	.5	1099.4	16.2	328.80	4.2	293.3	.0255	.9959	.5980	.9671	8.4336
.3600	.9997	.5	1122.8	16.2	328.77	4.0	295.7	.0266	.9960	.5973	.9670	8.3249
.3700	.9997	.5	1146.2	16.2	328.73	3.9	298.1	.0276	.9962	.5961	.9669	8.2115
.3800	.9997	.5	1169.6	16.2	328.73	3.7	300.7	.0287	.9963	.5961	.9669	8.1080
.3900	.9997	.4	1193.1	16.2	328.71	3.6	303.3	.0299	.9965	.5953	.9668	7.9967
.4000	.9997	.4	1216.5	16.1	328.64	3.4	305.7	.0310	.9966	.5934	.9666	7.8748
.4100	.9997	.4	1239.9	16.1	328.61	3.3	308.4	.0322	.9968	.5926	.9665	7.7625
.4200	.9998	.4	1263.3	16.1	328.58	3.2	311.3	.0335	.9969	.5919	.9664	7.6496
.4300	.9998	.4	1286.7	16.1	328.60	3.1	314.4	.0348	.9970	.5922	.9665	7.5457
.4400	.9998	.4	1310.2	16.1	328.57	2.9	317.6	.0361	.9971	.5914	.9664	7.4314
.4500	.9998	.4	1333.6	16.0	328.54	2.8	320.5	.0374	.9972	.5906	.9663	7.3174
.4600	.9998	.4	1357.0	16.0	328.48	2.7	323.5	.0388	.9973	.5891	.9661	7.1968
.4700	.9998	.4	1380.4	16.0	328.46	2.6	326.8	.0402	.9974	.5883	.9660	7.0813
.4800	.9998	.4	1403.8	16.0	328.44	2.5	330.3	.0417	.9975	.5879	.9660	6.9695
.4900	.9998	.4	1427.2	16.0	328.46	2.4	334.1	.0433	.9976	.5883	.9660	6.8624
.5000	.9998	.3	1450.7	16.0	328.43	2.3	337.7	.0449	.9977	.5875	.9660	6.7465
.5100	.9998	.3	1474.1	15.9	328.39	2.3	341.4	.0465	.9978	.5863	.9658	6.6276
.5200	.9998	.3	1497.5	15.9	328.39	2.2	345.4	.0482	.9979	.5855	.9658	6.5113
.5300	.9998	.3	1520.9	15.9	328.37	2.1	349.7	.0500	.9980	.5859	.9658	6.4026
.5400	.9998	.3	1544.3	15.9	328.33	2.0	353.8	.0518	.9981	.5849	.9657	6.2833
.5500	.9999	.3	1567.7	15.9	328.35	2.0	358.5	.0538	.9981	.5852	.9657	6.1739
.5600	.9999	.3	1591.2	15.8	328.29	1.9	362.8	.0557	.9982	.5836	.9656	6.0519
.5700	.9999	.3	1614.6	15.8	328.26	1.8	367.6	.0578	.9983	.5828	.9655	5.9349
.5800	.9999	.3	1638.0	15.8	328.30	1.7	372.9	.0599	.9983	.5836	.9656	5.8269
.5900	.9999	.3	1661.4	15.9	328.32	1.7	378.4	.0622	.9984	.5844	.9656	5.7185
.6000	.9999	.3	1684.8	15.8	328.26	1.6	383.5	.0645	.9985	.5828	.9655	5.5963
.6100	.9999	.3	1708.3	15.8	328.22	1.6	389.0	.0669	.9985	.5816	.9654	5.4765
.6200	.9999	.3	1731.7	15.8	328.19	1.5	395.1	.0694	.9986	.5822	.9654	5.3651
.6300	.9999	.3	1755.1	15.8	328.19	1.4	401.1	.0720	.9985	.5809	.9653	5.2452
.6400	.9999	.3	1778.5	15.8	328.17	1.4	407.8	.0749	.9987	.5812	.9653	5.1334
.6500	.9999	.3	1801.9	15.7	328.15	1.3	414.3	.0777	.9987	.5789	.9651	5.0115
.6600	.9999	.3	1825.3	15.7	328.15	1.3	421.5	.0807	.9988	.5797	.9651	4.8975
.6700	.9999	.3	1848.8	15.7	328.13	1.2	428.9	.0839	.9988	.5805	.9652	4.7881
.6800	.9999	.3	1872.2	15.7	328.12	1.2	436.9	.0872	.9989	.5789	.9651	4.6692
.6900	.9999	.3	1895.6	15.7	328.11	1.1	445.3	.0907	.9989	.5797	.9651	4.5541
.7000	.9999	.3	1919.0	15.7	328.11	1.1	453.7	.0944	.9990	.5785	.9650	4.4342
.7100	.9999	.2	1942.4	15.7	328.09	1.1	462.8	.0982	.9990	.5781	.9650	4.3178
.7200	.9999	.2	1965.8	15.7	328.12	1.0	472.6	.1024	.9991	.5789	.9651	4.2060
.7300	.9999	.2	1989.3	15.7	328.08	1.0	482.7	.1067	.9991	.5777	.9649	4.0863
.7400	.9999	.2	2012.7	15.7	328.09	.9	493.8	.1113	.9992	.5781	.9650	3.9726
.7500	.9999	.2	2036.1	15.7	328.04	.9	504.8	.1160	.9992	.5766	.9648	3.8615
.7600	.9999	.2	2059.5	15.7	328.05	.9	517.3	.1213	.9992	.5770	.9649	3.7376
.7700	.9999	.2	2082.9	15.7	328.06	.8	530.5	.1269	.9993	.5773	.9649	3.6234
.7800	.9999	.2	2106.4	15.7	328.06	.8	544.4	.1327	.9993	.5773	.9649	3.5097
.7900	1.0000	.2	2129.8	15.6	328.02	.7	558.9	.1389	.9993	.5762	.9648	3.3881
.8000	1.0000	.2	2153.2	15.7	328.04	.7	574.0	.1456	.9994	.5766	.9648	3.2797
.8100	1.0000	.2	2176.6	15.6	327.98	.7	591.5	.1527	.9994	.5750	.9646	3.1514
.8200	1.0000	.2	2200.0	15.6	328.04	.6	610.0	.1604	.9995	.5766	.9648	3.0418
.8300	1.0000	.2	2223.4	15.6	327.98	.6	630.0	.1688	.9995	.5750	.9646	2.9317
.8400	1.0000	.2	2246.9	15.6	328.01	.6	652.4	.1780	.9995	.5758	.9647	2.8076
.8500	1.0000	.2	2270.3	15.6	328.01	.6	675.4	.1880	.9995	.5758	.9647	2.6913
.8600	1.0000	.2	2293.7	15.6	327.97	.5	700.4	.1987	.9996	.5746	.9646	2.5725
.8700	1.0000	.2	2317.1	15.6	327.95	.5	726.3	.2104	.9996	.5742	.9644	2.4555
.8800	1.0000	.2	2340.5	15.6	327.92	.5	753.7	.2233	.9996	.5734	.9645	2.3377
.8900	1.0000	.2	2363.9	15.6	327.92	.4	782.7	.2376	.9997	.5734	.9645	2.2214
.9000	1.0000	.2	2387.4	15.6	327.94	.4	830.8	.2537	.9997	.5738	.9645	2.1057
.9100	1.0000	.2	2410.8	15.6	327.92	.4	872.9	.2714	.9997	.5734	.9645	1.9885
.9200	1.0000	.2	2434.2	15.6	327.95	.4	921.1	.2917	.9997	.5742	.9646	1.8732
.9300	1.0000	.2	2457.6	15.6	327.93	.3	975.1	.3145	.9998	.5742	.9646	1.7565
.9400	1.0000	.2	2481.0	15.6	327.98	.3	1037.5	.3408	.9998	.5753	.9646	1.6405
.9500	1.0000	.2	2504.5	15.5	327.89	.3	1106.4	.3700	.9998	.5727	.9644	1.5214
.9600	1.0000	.2	2527.9	15.6	327.92	.3	1190.2	.4053	.9998	.5734	.9645	1.4053
.9700	1.0000	.2	2551.3	15.6	327.87	.2	1286.4	.4459	.9999	.5719	.9643	1.2876
.9800	1.0000	.2	2574.7	15.6	327.92	.2	1406.1	.4963	.9999	.5734	.9645	1.1719
.9900	1.0000	.2	2598.1	15.6	327.92	.2	1560.1	.5670	.9999	.5734	.9645	1.0544
1.0000	1.0000	.2	2621.5	15.5	327.87	.2	1725.8	.6315	.9999	.5713	.9643	.9370

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 390 K (PSAT 41.6 KPA))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RP
0.0000	0.0000	973.6	321.7	36.5	346.88	394.2	309.4	.0003	.5960	.8778	.9911	.4049
.0100	.9742	25.3	344.9	35.2	346.02	173.5	307.4	.0011	.8224	.8463	.9886	6.8500
.0200	.9871	12.8	358.0	33.4	344.74	105.4	303.8	.0019	.8923	.8016	.9850	8.2170
.0300	.9914	8.6	361.2	32.0	343.79	75.5	301.4	.0025	.9229	.7693	.9822	8.7909
.0400	.9936	6.5	414.4	31.0	343.05	58.7	299.9	.0032	.9402	.7451	.9801	9.0898
.0500	.9950	5.2	437.5	30.2	342.46	47.9	299.0	.0038	.9512	.7264	.9785	9.2601
.0600	.9958	4.3	460.7	29.6	341.96	40.3	298.5	.0045	.9590	.7108	.9770	9.3693
.0700	.9965	3.7	483.9	29.1	341.55	34.8	298.3	.0052	.9647	.6980	.9759	9.4431
.0800	.9969	3.2	507.0	28.6	341.19	30.5	298.4	.0058	.9690	.6873	.9748	9.4064
.0900	.9973	2.9	530.2	28.2	340.88	27.1	298.7	.0065	.9725	.6781	.9740	9.3977
.1000	.9976	2.6	553.4	27.9	340.63	24.3	299.2	.0072	.9753	.6705	.9732	9.3770
.1100	.9978	2.4	576.5	27.6	340.39	22.0	299.8	.0079	.9777	.6635	.9725	9.3388
.1200	.9980	2.2	599.7	27.4	340.17	20.1	300.5	.0086	.9797	.6570	.9719	9.2884
.1300	.9982	2.0	622.9	27.1	339.98	18.4	301.4	.0093	.9813	.6518	.9714	9.2364
.1400	.9984	1.9	646.0	26.9	339.80	17.0	302.3	.0100	.9828	.6465	.9709	9.1717
.1500	.9985	1.7	669.2	26.7	339.66	15.8	303.4	.0107	.9841	.6424	.9704	9.1099
.1600	.9986	1.6	692.4	26.6	339.52	14.7	304.6	.0115	.9852	.6385	.9701	9.0414
.1700	.9987	1.5	715.6	26.4	339.39	13.7	305.9	.0122	.9862	.6348	.9699	8.9677
.1800	.9988	1.4	738.7	26.3	339.27	12.8	307.2	.0130	.9871	.6314	.9693	8.8918
.1900	.9989	1.4	761.9	26.2	339.16	12.0	308.6	.0138	.9879	.6283	.9690	8.8126
.2000	.9989	1.3	785.1	26.0	339.04	11.3	310.0	.0146	.9886	.6250	.9687	8.7268
.2100	.9990	1.2	808.2	25.9	338.94	10.7	311.5	.0154	.9893	.6223	.9684	8.6431
.2200	.9991	1.2	831.4	25.8	338.86	10.1	313.1	.0163	.9899	.6199	.9682	8.5597
.2300	.9991	1.1	854.6	25.7	338.77	9.6	314.8	.0171	.9904	.6176	.9679	8.4732
.2400	.9992	1.1	877.7	25.6	338.71	9.1	316.6	.0180	.9909	.6160	.9678	8.3916
.2500	.9992	1.0	900.9	25.6	338.64	8.6	318.4	.0189	.9914	.6141	.9675	8.3036
.2600	.9992	1.0	924.1	25.5	338.57	8.2	320.3	.0198	.9918	.6121	.9673	8.2134
.2700	.9993	1.0	947.2	25.4	338.47	7.8	322.2	.0208	.9922	.6094	.9671	8.1141
.2800	.9993	.9	970.4	25.3	338.43	7.4	324.2	.0217	.9926	.6082	.9669	8.0276
.2900	.9993	.9	993.6	25.3	338.37	7.1	326.3	.0227	.9929	.6066	.9668	7.9358
.3000	.9994	.9	1016.7	25.2	338.30	6.8	328.3	.0237	.9932	.6047	.9666	7.8392
.3100	.9994	.8	1039.9	25.2	338.28	6.5	330.7	.0248	.9935	.6043	.9665	7.7550
.3200	.9994	.8	1063.1	25.1	338.23	6.2	333.0	.0259	.9938	.6029	.9664	7.6610
.3300	.9995	.8	1086.2	25.0	338.24	6.0	335.6	.0270	.9941	.6031	.9664	7.5791
.3400	.9995	.8	1109.4	25.0	338.15	5.7	337.9	.0281	.9943	.6009	.9661	7.4749
.3500	.9995	.7	1132.6	24.9	338.06	5.5	340.2	.0292	.9946	.5984	.9659	7.3700
.3600	.9995	.7	1155.7	24.9	338.06	5.3	343.0	.0304	.9948	.5984	.9659	7.2834
.3700	.9995	.7	1178.9	24.8	338.01	5.0	345.6	.0315	.9950	.5969	.9657	7.1835
.3800	.9996	.7	1202.1	24.8	337.95	4.8	348.3	.0328	.9952	.5953	.9656	7.0831
.3900	.9996	.7	1225.2	24.8	337.93	4.7	351.2	.0341	.9954	.5949	.9655	6.9911
.4000	.9996	.6	1248.4	24.8	337.92	4.5	354.3	.0355	.9956	.5945	.9655	6.8983
.4100	.9996	.6	1271.6	24.7	337.86	4.3	357.2	.0368	.9958	.5930	.9653	6.7963
.4200	.9996	.6	1294.8	24.7	337.83	4.1	360.4	.0382	.9959	.5922	.9652	6.6996
.4300	.9996	.6	1317.9	24.6	337.80	4.0	363.7	.0397	.9961	.5914	.9651	6.6024
.4400	.9997	.6	1341.1	24.6	337.77	3.8	367.0	.0411	.9962	.5906	.9651	6.5048
.4500	.9997	.6	1364.3	24.6	337.74	3.7	370.5	.0427	.9964	.5898	.9650	6.4068
.4600	.9997	.6	1387.4	24.5	337.73	3.6	374.2	.0443	.9965	.5895	.9649	6.3111
.4700	.9997	.6	1410.6	24.5	337.70	3.4	377.9	.0459	.9967	.5887	.9649	6.2124
.4800	.9997	.5	1433.8	24.5	337.65	3.3	381.6	.0476	.9968	.5875	.9647	6.1108
.4900	.9997	.5	1456.9	24.5	337.68	3.2	385.9	.0493	.9969	.5883	.9648	6.0215
.5000	.9997	.5	1480.1	24.4	337.62	3.1	389.8	.0511	.9970	.5867	.9646	5.9189
.5100	.9997	.5	1503.3	24.4	337.61	3.0	394.2	.0530	.9971	.5863	.9646	5.8195
.5200	.9998	.5	1526.4	24.4	337.58	2.9	398.6	.0549	.9972	.5855	.9645	5.7194
.5300	.9998	.5	1549.6	24.4	337.59	2.8	403.4	.0569	.9973	.5859	.9646	5.6260
.5400	.9998	.5	1572.8	24.3	337.53	2.7	407.9	.0590	.9975	.5844	.9644	5.5310
.5500	.9998	.5	1595.9	24.2	337.42	2.6	412.2	.0610	.9976	.5812	.9640	5.4072
.5600	.9998	.5	1619.1	24.3	337.53	2.5	418.3	.0634	.9976	.5844	.9644	5.3282
.5700	.9998	.5	1642.3	24.3	337.49	2.4	423.4	.0657	.9977	.5832	.9643	5.2351
.5800	.9998	.4	1665.4	24.2	337.46	2.3	428.9	.0681	.9978	.5824	.9642	5.1540
.5900	.9998	.4	1688.6	24.2	337.45	2.2	434.7	.0706	.9979	.5820	.9641	5.0748
.6000	.9998	.4	1711.8	24.2	337.42	2.1	440.7	.0731	.9980	.5812	.9640	4.9235
.6100	.9998	.4	1734.9	24.2	337.42	2.1	447.1	.0759	.9981	.5812	.9640	4.8262
.6200	.9998	.4	1758.1	24.5	337.65	2.0	453.4	.0790	.9981	.5875	.9647	4.7491
.6300	.9998	.4	1781.3	24.2	337.42	1.9	460.7	.0817	.9982	.5812	.9640	4.6303
.6400	.9998	.4	1804.4	24.1	337.36	1.8	467.6	.0847	.9983	.5797	.9639	4.5250
.6500	.9999	.4	1827.6	24.1	337.36	1.8	475.2	.0879	.9984	.5797	.9639	4.4268
.6600	.9999	.4	1850.8	24.1	337.34	1.7	483.0	.0913	.9984	.5793	.9638	4.3267
.6700	.9999	.4	1874.0	24.1	337.33	1.6	491.3	.0948	.9985	.5789	.9638	4.2265
.6800	.9999	.4	1897.1	24.1	337.30	1.6	499.8	.0985	.9986	.5781	.9637	4.1246
.6900	.9999	.4	1920.3	24.1	337.30	1.5	509.0	.1024	.9986	.5781	.9637	4.0259
.7000	.9999	.4	1943.5	24.1	337.33	1.5	518.8	.1066	.9987	.5789	.9638	3.9299
.7100	.9999	.4	1966.6	24.1	337.28	1.4	529.6	.1108	.9987	.5777	.9637	3.8263
.7200	.9999	.4	1989.8	24.0	337.27	1.3	539.2	.1153	.9988	.5773	.9636	3.7257
.7300	.9999	.4	2013.0	24.0	337.24	1.3	550.2	.1201	.9988	.5766	.9635	3.6237
.7400	.9999	.4	2036.1	24.0	337.24	1.2	562.2	.1252	.9989	.5766	.9635	3.5243
.7500	.9999	.3	2059.3	24.0	337.27	1.2	575.1	.1306	.9989	.5773	.9636	3.4274
.7600	.9999	.3	2082.5	24.0	337.22	1.1	588.1	.1362	.9990	.5767	.9635	3.3240
.7700	.9999	.3	2105.6	24.0	337.21	1.1	602.2	.1423	.9990	.5758	.9634	3.2231
.7800	.9999	.3	2128.8	24.0	337.24	1.0	617.7	.1488	.9991	.5766	.9635	3.1256
.7900	.9999	.3	2152.0	24.0	337.19	1.0	633.4	.1556	.9991	.5754	.9634	3.0223
.8000	.9999	.3	2175.1	23.9	337.18	.9	650.5	.1629	.9992	.5750	.9634	2.9213
.8100	.9999	.3	2198.3	24.0	337.21	.9	669.4	.1709	.9992	.5758	.9634	2.8233
.8200	.9999	.3	2221.5	23.9	337.16	.9	688.8	.1792	.9993	.5746	.9633	2.7202
.8300	.9999	.3	2244.6	23.9	337.14	.8	710.0	.1883	.9993	.5742	.9633	2.6191
.8400	.9999	.3	2267.8	23.9	337.18	.8	733.6	.1983	.9994	.5750	.9634	2.5206
.8500	1.0000	.3	2291.0	23.9	337.11	.7	757.9	.2087	.9994	.5734	.9632	2.4169
.8600	1.0000	.3	2314.1	23.9	337.13	.7	785.4	.2204	.9994	.5738	.9632	2.3171
.8700	1.0000	.3	2337.3	23.9	337.11	.7	814.9	.2330	.9995	.5734	.9632	2.2161
.8800	1.0000	.3	2360.5	23.9	337.14	.6	848.0	.2470	.9995	.5742	.9633	2.1169
.8900	1.0000	.3	2383.7	23.9	337.10	.6	883.2	.2620	.9996	.5730	.9631	2.0163
.9000	1.0000	.3	2406.8	23.9	337.10	.6	922.8	.2789	.9996	.5730	.9631	1.9137
.9100	1.0000	.3	2430.0	23.9	337.11	.5	967.2	.2978	.9996	.5734	.9632	1.8135
.9200	1.0000	.3	2453.2	23.9	337.11	.5	1016.6	.3188	.9997	.5734	.9632	1.7127
.9300	1.0000	.3	2476.3	23.8	337.07	.4	1071.1	.3421	.9997	.5723	.9631	1.6104
.9400	1.0000	.3	2499.5	23.8	337.07	.4	1134.0	.3681	.9997	.5723	.9631	1.5096
.9500	1.0000	.3	2522.7	23.8	337.05	.4	1205.6	.3994	.9998	.5719	.9630	1.4083
.9600	1.0000	.3	2545.8	23.8	337.08	.4	1289.6	.4351	.9998	.5727	.9631	1.3080
.9700	1.0000	.3	2569.0	23.7	336.93	.3	1391.7	.4796	.9998	.5687	.9627	1.2042
.9800	1.0000	.3	2592.2	23.8	337.04	.3	1520.0	.5347	.9999	.5715	.9630	1.1051
.9900	1.0000	.3	2615.3	23.8	337.02	.3	1687.3	.6037	.9999	.5711	.9630	1.0039
1.0000	1.0000	.3	2638.5	23.8	337.05	.2	1907.8	.6557	.9999	.5719	.9630	.9031

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 360 K (PSAT 62.1 KPA))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
0.0000	0.0000	967.2	353.7	53.6	356.22	400.6	348.9	.0005	.5870	.8621	.9895	.4142
.0100	.9627	36.4	386.6	52.3	355.61	203.3	348.1	.0013	.7907	.8416	.9878	5.5832
.0200	.9812	18.6	409.5	49.8	354.38	128.1	344.9	.0021	.8644	.8010	.9844	6.9019
.0360	.9895	12.4	432.4	47.9	353.42	93.3	342.7	.0029	.9044	.7707	.9817	7.4831
.0400	.9907	9.4	455.3	46.4	352.67	73.0	341.3	.0036	.9251	.7475	.9796	7.7966
.0500	.9926	7.5	478.3	45.3	352.09	59.9	340.5	.0044	.9387	.7289	.9779	7.9772
.0600	.9939	6.3	501.2	44.4	351.54	50.7	340.1	.0052	.9482	.7141	.9765	8.0871
.0700	.9948	5.4	524.1	43.6	351.10	43.8	340.0	.0059	.9553	.7012	.9753	8.1431
.0800	.9955	4.7	547.0	42.9	350.72	38.5	340.2	.0067	.9607	.6904	.9742	8.1706
.0900	.9961	4.2	569.9	42.3	350.39	34.2	340.6	.0074	.9651	.6809	.9733	8.1721
.1000	.9965	3.8	592.8	41.8	350.12	30.8	341.2	.0082	.9686	.6734	.9726	8.1680
.1100	.9968	3.4	615.7	41.4	349.85	27.9	341.9	.0090	.9716	.6659	.9718	8.1395
.1200	.9971	3.1	638.7	41.0	349.62	25.5	342.8	.0098	.9741	.6596	.9712	8.1055
.1300	.9974	2.9	661.6	40.6	349.41	23.4	343.8	.0106	.9762	.6539	.9706	8.0640
.1400	.9976	2.7	684.5	40.3	349.22	21.6	344.9	.0114	.9781	.6488	.9701	8.0166
.1400	.9978	2.5	707.4	40.1	349.07	20.0	346.2	.0123	.9797	.6447	.9696	7.9692
.1500	.9980	2.4	730.3	39.8	348.92	18.7	347.5	.0131	.9811	.6406	.9692	7.9132
.1700	.9981	2.2	753.2	39.6	348.77	17.4	348.9	.0140	.9824	.6367	.9688	7.8522
.1800	.9983	2.1	776.1	39.4	348.64	16.3	350.4	.0148	.9835	.6334	.9685	7.7908
.1900	.9983	2.0	799.0	39.1	348.50	15.3	351.9	.0157	.9845	.6297	.9681	7.7206
.2000	.9984	1.9	822.0	39.0	348.41	14.5	353.7	.0167	.9854	.6271	.9678	7.6568
.2100	.9985	1.8	844.9	38.8	348.30	13.6	355.4	.0176	.9862	.6244	.9675	7.5873
.2200	.9986	1.7	867.8	38.6	348.19	12.9	357.1	.0185	.9870	.6215	.9672	7.5127
.2300	.9987	1.6	890.7	38.5	348.10	12.2	359.0	.0195	.9877	.6191	.9669	7.4404
.2400	.9988	1.6	913.6	38.4	348.08	11.6	361.3	.0205	.9883	.6168	.9669	7.3822
.2500	.9988	1.5	936.5	38.2	347.93	11.0	363.0	.0215	.9889	.6149	.9665	7.2914
.2600	.9989	1.5	959.4	38.1	347.86	10.5	365.1	.0226	.9895	.6129	.9663	7.2153
.2700	.9989	1.4	982.4	38.0	347.80	10.0	367.4	.0236	.9900	.6115	.9661	7.1422
.2800	.9990	1.3	1005.3	37.9	347.73	9.5	369.5	.0247	.9905	.6094	.9659	7.0609
.2900	.9990	1.3	1028.2	37.8	347.67	9.1	372.0	.0258	.9909	.6082	.9658	6.9860
.3000	.9991	1.3	1051.1	37.7	347.60	8.7	374.3	.0270	.9913	.6062	.9655	6.9036
.3100	.9991	1.2	1074.0	37.6	347.57	8.3	376.9	.0282	.9917	.6055	.9655	6.8290
.3200	.9992	1.2	1096.9	37.5	347.50	8.0	379.4	.0294	.9921	.6039	.9653	6.7471
.3300	.9992	1.1	1119.8	37.4	347.45	7.6	382.1	.0306	.9924	.6025	.9651	6.6658
.3400	.9992	1.1	1142.7	37.4	347.41	7.3	384.8	.0319	.9927	.6016	.9650	6.5864
.3500	.9993	1.1	1165.7	37.3	347.33	7.0	387.5	.0331	.9930	.5996	.9648	6.4991
.3600	.9993	1.0	1188.6	37.2	347.32	6.7	390.6	.0345	.9933	.5992	.9648	6.4222
.3700	.9993	1.0	1211.5	37.1	347.26	6.5	393.5	.0359	.9936	.5979	.9646	6.3376
.3800	.9994	1.0	1234.4	37.1	347.21	6.2	396.6	.0373	.9939	.5965	.9645	6.2524
.3900	.9994	1.0	1257.3	37.0	347.19	6.0	399.9	.0387	.9941	.5961	.9644	6.1733
.4000	.9994	.9	1280.2	36.9	347.13	5.8	403.1	.0402	.9943	.5945	.9643	6.0856
.4100	.9994	.9	1303.1	36.9	347.12	5.5	406.6	.0417	.9946	.5941	.9642	6.0053
.4200	.9995	.9	1326.1	36.8	347.04	5.3	409.8	.0433	.9948	.5922	.9640	5.9163
.4300	.9995	.9	1349.0	36.9	347.10	5.1	414.0	.0449	.9950	.5939	.9642	5.8453
.4400	.9995	.9	1371.9	36.7	346.99	4.9	417.3	.0466	.9952	.5910	.9639	5.7487
.4500	.9995	.8	1394.8	36.7	346.96	4.8	421.2	.0483	.9954	.5902	.9638	5.6640
.4600	.9995	.8	1417.7	36.6	346.91	4.6	425.1	.0500	.9955	.5891	.9636	5.5767
.4700	.9996	.8	1440.6	36.6	346.92	4.4	429.4	.0519	.9957	.5893	.9637	5.4971
.4800	.9996	.8	1463.5	36.6	346.90	4.3	433.7	.0538	.9959	.5887	.9636	5.4125
.4900	.9996	.8	1486.4	36.5	346.88	4.1	438.2	.0557	.9960	.5883	.9636	5.3247
.5000	.9996	.8	1509.4	36.5	346.84	4.0	442.7	.0578	.9962	.5873	.9635	5.2413
.5100	.9996	.7	1532.3	36.4	346.80	3.8	447.4	.0598	.9963	.5863	.9633	5.1537
.5200	.9996	.7	1555.2	36.4	346.77	3.7	452.2	.0620	.9965	.5855	.9633	5.0670
.5300	.9997	.7	1578.1	36.4	346.76	3.6	457.4	.0642	.9966	.5852	.9632	4.9821
.5400	.9997	.7	1601.0	36.3	346.72	3.4	462.6	.0665	.9967	.5844	.9631	4.8969
.5500	.9997	.7	1623.9	36.3	346.71	3.3	468.1	.0689	.9968	.5840	.9631	4.8097
.5400	.9997	.7	1646.8	36.3	346.71	3.2	473.9	.0714	.9970	.5840	.9631	4.7261
.5700	.9997	.7	1669.8	36.2	346.66	3.1	479.6	.0740	.9971	.5828	.9629	4.6365
.5800	.9997	.7	1692.7	36.3	346.72	3.0	486.3	.0767	.9972	.5844	.9631	4.5599
.5900	.9997	.6	1715.6	36.2	346.66	2.9	492.6	.0794	.9973	.5828	.9629	4.4681
.6000	.9997	.6	1738.5	36.1	346.61	2.8	498.9	.0823	.9974	.5816	.9628	4.3783
.6100	.9998	.6	1761.4	36.1	346.61	2.7	505.9	.0853	.9975	.5816	.9628	4.2935
.6200	.9998	.6	1784.3	36.1	346.57	2.6	512.9	.0884	.9976	.5805	.9627	4.2037
.6300	.9998	.6	1807.2	36.0	346.55	2.5	520.5	.0917	.9977	.5804	.9626	4.1171
.6400	.9998	.6	1830.1	36.0	346.53	2.4	528.3	.0951	.9978	.5799	.9626	4.0303
.6500	.9998	.6	1853.1	36.0	346.52	2.3	536.5	.0987	.9979	.5793	.9625	3.9434
.6600	.9998	.6	1876.0	36.0	346.50	2.2	545.1	.1024	.9980	.5789	.9625	3.8564
.6700	.9998	.6	1898.9	35.9	346.49	2.1	554.1	.1063	.9981	.5785	.9625	3.7693
.6800	.9998	.6	1921.8	35.9	346.47	2.0	563.5	.1104	.9981	.5781	.9624	3.6822
.6900	.9998	.5	1944.7	35.9	346.45	2.0	573.4	.1146	.9982	.5777	.9624	3.5949
.7000	.9998	.5	1967.6	35.9	346.47	1.9	584.1	.1192	.9983	.5781	.9624	3.5102
.7100	.9998	.5	1990.5	35.9	346.47	1.8	595.1	.1239	.9984	.5781	.9624	3.4240
.7200	.9998	.5	2013.5	35.8	346.42	1.8	606.3	.1288	.9984	.5770	.9623	3.3339
.7300	.9999	.5	2036.4	35.9	346.44	1.7	618.8	.1342	.9985	.5773	.9623	3.2487
.7400	.9999	.5	2059.3	35.8	346.39	1.6	631.3	.1396	.9986	.5769	.9622	3.1585
.7500	.9999	.5	2082.2	35.8	346.37	1.5	644.8	.1455	.9986	.5758	.9621	3.0709
.7600	.9999	.5	2105.1	35.8	346.41	1.5	659.6	.1518	.9987	.5766	.9622	2.9865
.7700	.9999	.5	2128.0	35.7	346.36	1.4	674.5	.1582	.9988	.5754	.9621	2.8965
.7800	.9999	.5	2150.9	35.7	346.34	1.4	690.6	.1653	.9988	.5750	.9621	2.8085
.7900	.9999	.5	2173.8	35.7	346.33	1.3	707.9	.1726	.9989	.5746	.9620	2.7207
.8000	.9999	.5	2196.8	35.7	346.33	1.2	726.4	.1806	.9990	.5746	.9620	2.6337
.8100	.9999	.5	2219.7	35.7	346.31	1.2	746.0	.1891	.9990	.5742	.9620	2.5457
.8200	.9999	.5	2242.6	35.7	346.28	1.1	767.1	.1982	.9991	.5738	.9619	2.4577
.8300	.9999	.5	2265.5	35.7	346.29	1.1	789.6	.2080	.9991	.5738	.9619	2.3705
.8400	.9999	.5	2288.4	35.6	346.27	1.0	814.3	.2185	.9992	.5734	.9619	2.2824
.8500	.9999	.4	2311.3	35.7	346.31	1.0	841.2	.2300	.9992	.5742	.9620	2.1965
.8600	.9999	.4	2334.2	35.7	346.34	.9	870.5	.2425	.9993	.5750	.9621	2.1104
.8700	.9999	.4	2357.2	35.6	346.28	.9	900.4	.2555	.9993	.5727	.9618	2.0187
.8800	.9999	.4	2380.1	35.6	346.28	.8	935.0	.2704	.9994	.5734	.9619	1.9325
.8900	1.0000	.4	2403.0	35.5	346.21	.8	971.3	.2861	.9994	.5719	.9617	1.8424
.9000	1.0000	.4	2425.9	35.6	346.23	.7	1012.7	.3039	.9995	.5723	.9617	1.7553
.9100	1.0000	.4	2448.8	35.5	346.21	.7	1057.9	.3233	.9995	.5719	.9617	1.6671
.9200	1.0000	.4	2471.7	35.6	346.24	.6	1109.1	.3452	.9996	.5727	.9618	1.5803
.9300	1.0000	.4	2494.6	35.5	346.20	.6	1164.6	.3692	.9996	.5715	.9617	1.4911
.9400	1.0000	.4	2517.5	35.5	346.19	.6	1227.8	.3964	.9997	.5711	.9616	1.4025
.9500	1.0000	.4	2540.5	35.5	346.21	.5	1300.8	.4277	.9997	.5719	.9617	1.3156
.9600	1.0000	.4	2563.4	35.5	346.21	.5	1383.4	.4632	.9997	.5719	.9617	1.2276
.9700	1.0000	.4	2586.3	35.5	346.16	.4	1477.3	.5037	.9998	.5707	.9616	1.1387
.9800	1.0000	.4	2609.2	35.4	346.15	.4	1588.1	.5513	.9998	.5703	.9615	1.0504
.9900	1.0000	.4	2632.2	35.4	346.15	.4	1719.8	.6079	.9999	.5703	.9615	.9624
1.0000	1.0000	.4	2655.0	35.5	346.18	.3	1879.6	.6765	.9999	.5711	.9616	.8746

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 370 K (PSAT 90.4 KPA))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	K*	A*	PP	TR	RR
0.0000	0.0000	960.4	405.8	76.6	365.49	407.3	389.3	.0007	.5776	.8467	.9878	.4241
.0100	.9675	50.9	428.4	75.6	365.14	212.4	388.7	.0015	.7592	.8334	.9869	4.9630
.0200	.9793	26.2	451.1	72.3	363.96	152.1	385.9	.0024	.8427	.7993	.9837	5.9151
.0300	.9862	17.6	473.9	68.7	363.01	119.8	383.9	.0033	.8859	.7709	.9811	6.3612
.0400	.9869	13.3	496.4	67.7	362.24	99.0	382.7	.0042	.9082	.7487	.9790	6.7116
.0500	.9895	10.6	519.0	66.1	361.60	73.4	382.0	.0050	.9244	.7307	.9773	6.9027
.0600	.9913	8.9	541.7	64.8	361.08	62.4	381.7	.0059	.9359	.7160	.9759	7.0230
.0700	.9926	7.6	564.4	63.6	360.61	54.1	381.7	.0068	.9445	.7033	.9746	7.0951
.0800	.9936	6.7	587.0	62.7	360.22	47.6	381.1	.0076	.9511	.6929	.9736	7.1322
.0900	.9944	5.9	609.7	61.8	359.87	42.5	382.6	.0085	.9565	.6835	.9726	7.1501
.1000	.9950	5.3	632.3	61.1	359.57	38.2	383.3	.0094	.9608	.6754	.9718	7.1504
.1100	.9955	4.9	655.0	60.5	359.30	34.7	384.2	.0102	.9645	.6686	.9711	7.1420
.1200	.9959	4.5	677.6	59.9	359.07	31.8	385.3	.0111	.9675	.6625	.9705	7.1293
.1300	.9963	4.1	700.3	59.4	358.83	29.2	386.4	.0120	.9702	.6563	.9698	7.0898
.1400	.9966	3.8	722.9	58.9	358.63	27.0	387.7	.0130	.9725	.6512	.9693	7.0539
.1500	.9968	3.6	745.6	58.5	358.45	25.1	389.1	.0139	.9745	.6466	.9688	7.0139
.1600	.9971	3.3	768.2	58.1	358.29	23.3	390.6	.0149	.9762	.6426	.9683	6.9711
.1700	.9973	3.2	790.9	57.7	358.13	21.8	392.2	.0158	.9778	.6389	.9679	6.9208
.1800	.9975	3.0	813.5	57.4	357.98	20.5	393.9	.0168	.9793	.6344	.9675	6.8681
.1900	.9976	2.9	836.2	57.1	357.85	19.2	395.6	.0178	.9805	.6316	.9672	6.8184
.2000	.9978	2.7	858.8	56.8	357.73	18.1	397.4	.0189	.9816	.6285	.9668	6.7585
.2100	.9979	2.6	881.5	56.6	357.61	17.1	399.4	.0199	.9827	.6258	.9665	6.7010
.2200	.9980	2.4	904.1	56.4	357.50	16.2	401.4	.0210	.9836	.6230	.9662	6.6403
.2300	.9981	2.3	926.8	56.2	357.42	15.4	403.6	.0221	.9845	.6211	.9660	6.5827
.2400	.9982	2.2	949.5	55.9	357.31	14.6	405.7	.0232	.9853	.6184	.9657	6.5166
.2500	.9983	2.1	972.1	55.8	357.24	13.9	408.0	.0243	.9860	.6166	.9655	6.4557
.2600	.9984	2.1	994.8	55.6	357.17	13.2	410.4	.0255	.9867	.6148	.9653	6.3926
.2700	.9985	2.0	1017.4	55.4	357.08	12.6	412.8	.0267	.9874	.6127	.9651	6.3249
.2800	.9986	1.9	1040.1	55.2	356.99	12.0	415.2	.0279	.9880	.6109	.9648	6.2556
.2900	.9986	1.9	1062.7	55.1	356.93	11.5	417.9	.0292	.9885	.6092	.9647	6.1904
.3000	.9987	1.8	1085.4	55.0	356.87	11.0	420.5	.0304	.9890	.6076	.9645	6.1225
.3100	.9988	1.7	1108.0	54.8	356.81	10.5	423.3	.0318	.9895	.6062	.9644	6.0548
.3200	.9988	1.7	1130.7	54.7	356.73	10.0	426.1	.0331	.9900	.6043	.9641	5.9819
.3300	.9989	1.6	1153.3	54.6	356.69	9.6	429.1	.0345	.9904	.6033	.9640	5.9146
.3400	.9989	1.6	1176.0	54.4	356.62	9.2	432.0	.0359	.9908	.6016	.9639	5.8413
.3500	.9990	1.5	1198.6	54.3	356.57	8.9	435.1	.0373	.9912	.6004	.9637	5.7715
.3600	.9990	1.5	1221.3	54.2	356.52	8.5	438.3	.0388	.9916	.5992	.9636	5.6999
.3700	.9990	1.5	1243.9	54.1	356.47	8.2	441.7	.0403	.9919	.5980	.9634	5.6280
.3800	.9991	1.4	1266.6	54.1	356.45	7.9	445.2	.0419	.9922	.5977	.9634	5.5604
.3900	.9991	1.4	1289.2	54.0	356.40	7.6	448.7	.0435	.9925	.5965	.9632	5.4873
.4000	.9992	1.3	1311.9	53.8	356.34	7.3	452.2	.0452	.9928	.5949	.9631	5.4113
.4100	.9992	1.3	1334.5	53.8	356.32	7.0	456.1	.0469	.9931	.5945	.9630	5.3418
.4200	.9992	1.3	1357.2	53.7	356.28	6.7	460.0	.0486	.9934	.5936	.9629	5.2683
.4300	.9993	1.2	1379.9	53.6	356.25	6.5	464.0	.0505	.9936	.5930	.9628	5.1966
.4400	.9993	1.2	1402.5	53.5	356.19	6.2	468.0	.0523	.9939	.5914	.9627	5.1191
.4500	.9993	1.2	1425.2	53.4	356.15	6.0	472.3	.0542	.9941	.5906	.9626	5.0459
.4600	.9993	1.2	1447.8	53.4	356.12	5.8	476.7	.0562	.9943	.5898	.9625	4.9716
.4700	.9994	1.1	1470.5	53.4	356.13	5.6	481.4	.0583	.9946	.5898	.9625	4.9014
.4800	.9994	1.1	1493.1	53.3	356.09	5.4	486.1	.0603	.9948	.5891	.9624	4.8368
.4900	.9994	1.1	1515.8	53.2	356.04	5.2	490.9	.0625	.9950	.5881	.9623	4.7680
.5000	.9994	1.1	1538.4	53.1	356.02	5.0	495.9	.0647	.9952	.5879	.9622	4.6967
.5100	.9995	1.1	1561.1	53.0	355.97	4.8	501.0	.0670	.9953	.5863	.9621	4.5994
.5200	.9995	1.0	1583.7	53.0	355.96	4.7	506.2	.0694	.9955	.5861	.9621	4.5268
.5300	.9995	1.0	1606.4	52.9	355.92	4.5	511.5	.0719	.9957	.5852	.9619	4.4498
.5400	.9995	1.0	1629.0	52.9	355.91	4.4	517.0	.0744	.9958	.5850	.9619	4.3765
.5500	.9995	1.0	1651.7	52.8	355.87	4.2	523.7	.0771	.9960	.5840	.9618	4.2994
.5600	.9996	1.0	1674.3	52.8	355.87	4.1	530.1	.0798	.9962	.5840	.9618	4.2265
.5700	.9996	.9	1697.0	52.8	355.85	3.9	536.6	.0827	.9963	.5836	.9618	4.1517
.5800	.9996	.9	1719.6	52.7	355.80	3.8	543.1	.0856	.9964	.5824	.9616	4.0733
.5900	.9996	.9	1742.3	52.7	355.80	3.6	550.2	.0887	.9965	.5824	.9616	3.9997
.6000	.9996	.9	1765.0	52.6	355.78	3.5	557.4	.0918	.9967	.5819	.9616	3.9236
.6100	.9996	.9	1787.6	52.5	355.73	3.4	564.8	.0951	.9968	.5809	.9614	3.8457
.6200	.9997	.9	1810.3	52.6	355.75	3.3	572.9	.0986	.9970	.5812	.9615	3.7731
.6300	.9997	.9	1833.0	52.5	355.70	3.2	580.9	.1022	.9971	.5801	.9614	3.6944
.6400	.9997	.8	1855.6	52.4	355.68	3.0	589.4	.1059	.9972	.5797	.9613	3.6185
.6500	.9997	.8	1878.2	52.4	355.68	2.9	598.5	.1099	.9973	.5797	.9613	3.5431
.6600	.9997	.8	1900.9	52.4	355.67	2.8	607.8	.1139	.9974	.5793	.9613	3.4677
.6700	.9997	.8	1923.5	52.4	355.65	2.7	617.5	.1182	.9975	.5789	.9612	3.3915
.6800	.9997	.8	1946.2	52.3	355.63	2.6	627.7	.1226	.9976	.5785	.9612	3.3155
.6900	.9997	.8	1968.8	52.3	355.61	2.5	638.4	.1273	.9977	.5781	.9611	3.2387
.7000	.9998	.8	1991.5	52.3	355.60	2.4	649.6	.1322	.9978	.5779	.9611	3.1621
.7100	.9998	.8	2014.1	52.2	355.56	2.3	661.3	.1373	.9979	.5770	.9610	3.0843
.7200	.9998	.7	2036.8	52.2	355.58	2.2	673.9	.1428	.9980	.5775	.9610	3.0100
.7300	.9998	.7	2059.4	52.1	355.53	2.2	686.7	.1484	.9981	.5762	.9609	2.9310
.7400	.9998	.7	2082.1	52.1	355.55	2.1	700.7	.1545	.9982	.5765	.9609	2.8554
.7500	.9998	.7	2104.7	52.0	355.48	2.0	714.8	.1607	.9983	.5750	.9608	2.7763
.7600	.9998	.7	2127.4	52.1	355.51	1.9	730.6	.1675	.9984	.5759	.9608	2.7025
.7700	.9998	.7	2150.1	52.0	355.48	1.9	746.7	.1749	.9984	.5750	.9608	2.6245
.7800	.9998	.7	2172.7	52.0	355.46	1.8	763.9	.1821	.9985	.5745	.9607	2.5475
.7900	.9999	.7	2195.4	51.9	355.45	1.7	782.2	.1900	.9986	.5742	.9607	2.4705
.8000	.9999	.7	2218.0	52.0	355.46	1.6	802.1	.1986	.9987	.5746	.9607	2.3951
.8100	.9999	.7	2240.7	51.9	355.43	1.5	822.7	.2076	.9987	.5738	.9606	2.3171
.8200	.9999	.7	2263.3	51.9	355.45	1.5	845.3	.2174	.9988	.5742	.9607	2.2415
.8300	.9999	.6	2286.0	51.8	355.39	1.4	868.7	.2276	.9989	.5730	.9605	2.1627
.8400	.9999	.6	2308.6	51.8	355.39	1.3	894.5	.2386	.9990	.5730	.9605	2.0862
.8500	.9999	.6	2331.3	51.9	355.41	1.3	922.6	.2510	.9990	.5734	.9606	2.0103
.8600	.9999	.6	2353.9	51.7	355.34	1.2	951.7	.2638	.9991	.5719	.9604	1.9309
.8700	.9999	.6	2376.6	51.8	355.36	1.1	984.4	.2780	.9991	.5723	.9604	1.8549
.8800	.9999	.6	2399.2	51.8	355.38	1.1	1020.0	.2934	.9992	.5727	.9605	1.7787
.8900	.9999	.6	2421.9	51.8	355.36	1.0	1058.3	.3101	.9993	.5723	.9604	1.7013
.9000	.9999	.6	2444.5	51.7	355.33	1.0	1100.0	.3282	.9993	.5719	.9603	1.6233
.9100	.9999	.6	2467.2	51.7	355.31	.9	1146.2	.3483	.9994	.5711	.9603	1.5459
.9200	1.0000	.6	2489.8	51.7	355.34	.9	1198.2	.3708	.9994	.5719	.9604	1.4699
.9300	1.0000	.6	2512.5	51.6	355.27	.8	1258.9	.3951	.9995	.5703	.9602	1.3911
.9400	1.0000	.6	2535.2	51.6	355.29	.8	1328.0	.4229	.9995	.5707	.9602	1.3145
.9500	1.0000	.6	2557.8	51.7	355.31	.7	1390.7	.4542	.9996	.5711	.9603	1.2397
.9600	1.0000	.6	2580.5	51.6	355.29	.6	1471.2	.4894	.9997	.5707	.9602	1.1601
.9700	1.0000	.6	2603.1	51.7	355.34	.6	1565.7	.5304	.9997	.5719	.9604	1.0837
.9800	1.0000	.5	2625.8	51.5	355.24	.6	1669.9	.5757	.9998	.5695	.9601	1.0043
.9900	1.0000	.5	2648.4	51.6	355.27	.5	1796.4	.6306	.9998	.5703	.9602	.9280
1.0000	1.0000	.5	2671.1	51.5	355.22	.5	1942.4	.6941	.9999	.5691	.9601	.8503

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 380 K (PSAT 128.7 KPA))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	Z*	PR	TR	RR
0.0000	0.0000	953.1	488.0	107.1	374.70	413.4	427.5	.0009	.5684	.8315	.9860	.4339
.0100	.9279	69.4	470.4	106.6	374.58	260.0	429.1	.0018	.7288	.8282	.9857	3.7473
.0200	.9630	36.0	492.8	102.3	373.48	176.8	426.8	.0029	.8160	.7964	.9828	4.9054
.0300	.9753	24.3	515.1	99.2	372.55	133.1	425.1	.0038	.8617	.7702	.9804	5.4746
.0400	.9815	18.4	537.5	96.5	371.79	106.4	424.1	.0044	.8896	.7493	.9784	5.7994
.0500	.9853	14.7	559.9	94.2	371.13	88.4	423.5	.0057	.9084	.7319	.9767	5.9987
.0600	.9879	12.3	582.3	92.4	370.59	75.5	423.4	.0067	.9219	.7177	.9752	6.1280
.0700	.9897	10.6	604.7	90.8	370.11	65.7	423.6	.0077	.9321	.7055	.9740	6.2098
.0800	.9911	9.3	627.1	89.5	369.70	58.0	424.1	.0086	.9402	.6948	.9729	6.2589
.0900	.9921	8.2	649.5	88.3	369.33	51.8	424.7	.0096	.9466	.6855	.9719	6.2936
.1000	.9930	7.4	671.8	87.3	369.03	46.8	425.7	.0106	.9518	.6781	.9711	6.3024
.1100	.9937	6.8	694.2	86.3	368.72	42.5	426.6	.0116	.9563	.6709	.9703	6.2969
.1200	.9943	6.2	716.6	85.5	368.46	39.0	427.8	.0126	.9600	.6642	.9696	6.2859
.1300	.9948	5.7	739.0	84.8	368.23	35.9	429.2	.0136	.9633	.6584	.9690	6.2666
.1400	.9952	5.3	761.4	84.1	368.03	33.2	430.7	.0146	.9660	.6535	.9685	6.2436
.1500	.9955	5.0	783.8	83.5	367.81	30.8	432.2	.0157	.9685	.6484	.9679	6.2101
.1600	.9959	4.7	806.2	82.9	367.63	28.7	433.8	.0167	.9706	.6441	.9675	6.1752
.1700	.9962	4.4	828.5	82.4	367.47	26.9	435.6	.0178	.9725	.6402	.9670	6.1370
.1800	.9964	4.1	850.9	82.0	367.32	25.2	437.5	.0189	.9743	.6367	.9666	6.0962
.1900	.9967	3.9	873.3	81.6	367.19	23.7	439.5	.0201	.9758	.6336	.9663	6.0536
.2000	.9969	3.7	895.7	81.2	367.05	22.4	441.6	.0212	.9772	.6305	.9659	6.0069
.2100	.9971	3.6	918.1	80.8	366.92	21.2	443.7	.0224	.9785	.6273	.9656	5.9566
.2200	.9972	3.4	940.5	80.5	366.82	20.0	446.0	.0235	.9797	.6250	.9653	5.9088
.2300	.9974	3.2	962.9	80.1	366.71	19.0	448.3	.0248	.9808	.6225	.9650	5.8567
.2400	.9975	3.1	985.2	79.8	366.61	18.0	450.7	.0260	.9818	.6201	.9648	5.8036
.2500	.9977	3.0	1007.6	79.5	366.50	17.2	453.1	.0273	.9827	.6177	.9645	5.7476
.2600	.9978	2.9	1030.0	79.3	366.42	16.3	455.8	.0286	.9835	.6158	.9643	5.6936
.2700	.9979	2.8	1052.4	79.0	366.34	15.6	458.4	.0299	.9843	.6139	.9640	5.6377
.2800	.9980	2.7	1074.8	78.8	366.26	14.9	461.2	.0313	.9850	.6121	.9638	5.5805
.2900	.9981	2.6	1097.2	78.6	366.18	14.2	464.1	.0327	.9857	.6104	.9636	5.5223
.3000	.9982	2.5	1119.6	78.3	366.09	13.6	466.9	.0341	.9864	.6092	.9634	5.4604
.3100	.9983	2.4	1141.9	78.1	366.02	13.0	469.9	.0356	.9870	.6066	.9632	5.4011
.3200	.9983	2.3	1164.3	78.0	365.97	12.5	473.2	.0371	.9875	.6057	.9631	5.3443
.3300	.9984	2.3	1186.7	77.8	365.90	12.0	476.3	.0386	.9881	.6039	.9629	5.2816
.3400	.9985	2.2	1209.1	77.6	365.85	11.5	479.7	.0401	.9886	.6029	.9628	5.2228
.3500	.9985	2.1	1231.5	77.4	365.78	11.0	483.0	.0417	.9891	.6012	.9626	5.1585
.3600	.9986	2.1	1253.9	77.3	365.74	10.6	486.6	.0434	.9895	.6004	.9625	5.0992
.3700	.9987	2.0	1276.3	77.1	365.69	10.2	490.3	.0451	.9899	.5992	.9623	5.0358
.3800	.9987	2.0	1298.6	76.9	365.62	9.8	493.9	.0468	.9903	.5977	.9622	4.9717
.3900	.9988	1.9	1321.0	76.9	365.59	9.4	497.9	.0486	.9907	.5971	.9621	4.9114
.4000	.9988	1.9	1343.4	76.7	365.54	9.1	501.9	.0504	.9911	.5959	.9619	4.8473
.4100	.9989	1.8	1365.8	76.5	365.48	8.7	505.9	.0523	.9914	.5945	.9618	4.7818
.4200	.9989	1.8	1388.2	76.5	365.45	8.4	510.2	.0543	.9918	.5939	.9617	4.7198
.4300	.9990	1.7	1410.6	76.4	365.42	8.1	514.6	.0563	.9921	.5932	.9616	4.6564
.4400	.9990	1.7	1433.0	76.2	365.36	7.8	519.0	.0583	.9924	.5918	.9615	4.5895
.4500	.9990	1.7	1455.3	76.1	365.32	7.5	523.7	.0604	.9927	.5910	.9614	4.5254
.4600	.9991	1.6	1477.7	76.0	365.30	7.2	528.6	.0626	.9929	.5906	.9613	4.4627
.4700	.9991	1.6	1500.1	75.9	365.27	7.0	533.5	.0648	.9932	.5898	.9612	4.3977
.4800	.9992	1.6	1522.5	75.5	365.21	6.9	538.5	.0671	.9935	.5887	.9611	4.3307
.4900	.9992	1.5	1544.9	75.7	365.18	6.5	543.8	.0695	.9937	.5879	.9610	4.2652
.5000	.9992	1.5	1567.3	75.7	365.17	6.3	549.4	.0720	.9940	.5877	.9610	4.2020
.5100	.9992	1.5	1589.7	75.6	365.13	6.1	555.0	.0745	.9942	.5869	.9609	4.1360
.5200	.9993	1.4	1612.0	75.5	365.11	5.8	560.9	.0771	.9944	.5863	.9608	4.0705
.5300	.9993	1.4	1634.4	75.4	365.09	5.6	567.0	.0799	.9946	.5859	.9608	4.0057
.5400	.9993	1.4	1656.8	75.3	365.05	5.5	573.3	.0827	.9948	.5852	.9607	3.9390
.5500	.9994	1.4	1679.2	75.2	365.00	5.3	579.6	.0855	.9950	.5840	.9605	3.8705
.5600	.9994	1.3	1701.6	75.2	365.00	5.1	586.3	.0886	.9952	.5840	.9605	3.8066
.5700	.9994	1.3	1724.0	75.1	364.98	4.9	593.0	.0917	.9954	.5836	.9605	3.7409
.5800	.9994	1.3	1746.4	75.0	364.95	4.7	600.7	.0949	.9956	.5828	.9604	3.6735
.5900	.9995	1.3	1768.7	75.0	364.92	4.6	608.3	.0983	.9957	.5822	.9603	3.6067
.6000	.9995	1.2	1791.1	74.9	364.91	4.4	616.2	.1017	.9959	.5820	.9603	3.5412
.6100	.9995	1.2	1813.5	74.8	364.86	4.3	624.1	.1053	.9961	.5809	.9602	3.4721
.6200	.9995	1.2	1835.9	74.8	364.86	4.1	632.8	.1091	.9962	.5809	.9602	3.4070
.6300	.9995	1.2	1858.3	74.7	364.83	4.0	641.5	.1130	.9964	.5803	.9601	3.3397
.6400	.9996	1.2	1880.7	74.8	364.89	3.9	651.2	.1171	.9965	.5819	.9602	3.2775
.6500	.9996	1.2	1903.1	74.6	364.80	3.7	660.4	.1213	.9966	.5797	.9600	3.2067
.6600	.9996	1.1	1925.4	74.5	364.75	3.6	670.2	.1257	.9968	.5785	.9599	3.1372
.6700	.9996	1.1	1947.8	74.4	364.73	3.4	680.7	.1303	.9969	.5781	.9598	3.0701
.6800	.9996	1.1	1970.2	74.4	364.71	3.3	691.6	.1352	.9970	.5777	.9598	3.0030
.6900	.9996	1.1	1992.6	74.3	364.70	3.2	703.1	.1402	.9972	.5773	.9597	2.9357
.7000	.9997	1.1	2015.0	74.3	364.68	3.1	715.1	.1455	.9973	.5770	.9597	2.8684
.7100	.9997	1.1	2037.4	74.2	364.66	2.9	727.6	.1511	.9974	.5766	.9596	2.8010
.7200	.9997	1.0	2059.8	74.2	364.64	2.8	740.9	.1569	.9975	.5762	.9596	2.7335
.7300	.9997	1.0	2082.2	74.2	364.66	2.7	755.1	.1631	.9976	.5766	.9596	2.6640
.7400	.9997	1.0	2104.5	74.1	364.61	2.5	769.9	.1695	.9977	.5754	.9595	2.5983
.7500	.9997	1.0	2126.9	74.1	364.6	2.4	785.0	.1763	.9978	.5754	.9595	2.5320
.7600	.9998	1.0	2149.3	74.1	364.60	2.4	801.3	.1835	.9979	.5754	.9595	2.4662
.7700	.9998	1.0	2171.7	74.0	364.57	2.3	818.6	.1911	.9980	.5748	.9594	2.3988
.7800	.9998	1.0	2194.1	73.9	364.53	2.2	836.6	.1991	.9981	.5741	.9593	2.3290
.7900	.9998	.9	2216.5	73.9	364.53	2.1	855.9	.2076	.9982	.5741	.9593	2.2604
.8000	.9998	.9	2238.8	73.9	364.49	2.1	876.5	.2167	.9983	.5742	.9593	2.1937
.8100	.9998	.9	2261.2	73.9	364.53	2.0	898.6	.2263	.9984	.5736	.9593	2.1252
.8200	.9998	.9	2283.6	73.8	364.52	1.9	922.0	.2366	.9985	.5734	.9593	2.0575
.8300	.9998	.9	2306.0	73.8	364.52	1.8	947.1	.2476	.9986	.5734	.9593	1.9901
.8400	.9999	.9	2328.4	73.6	364.44	1.7	973.1	.2591	.9987	.5719	.9591	1.9228
.8500	.9999	.9	2350.8	73.7	364.48	1.6	1002.4	.2719	.9988	.5727	.9592	1.8537
.8600	.9999	.9	2373.2	73.6	364.44	1.6	1033.0	.2854	.9988	.5719	.9591	1.7849
.8700	.9999	.9	2395.5	73.6	364.43	1.5	1066.2	.3000	.9989	.5715	.9590	1.7165
.8800	.9999	.8	2417.9	73.6	364.44	1.4	1102.8	.3160	.9990	.5719	.9591	1.6494
.8900	.9999	.8	2440.3	73.5	364.41	1.3	1141.7	.3331	.9991	.5711	.9590	1.5805
.9000	.9999	.8	2462.7	73.4	364.37	1.3	1184.1	.3518	.9992	.5709	.9589	1.5117
.9100	.9999	.8	2485.1	73.5	364.41	1.2	1231.8	.3726	.9992	.5711	.9590	1.4449
.9200	.9999	.8	2507.5	73.5	364.41	1.1	1283.6	.3954	.9993	.5711	.9590	1.3769
.9300	.9999	.8	2529.9	73.5	364.39	1.1	1340.5	.4203	.9994	.5707	.9588	1.3095
.9400	.9999	.8	2552.2	73.4	364.35	1.0	1403.2	.4479	.9994	.5699	.9588	1.2395
.9500	1.0000	.8	2574.6	73.3	364.34	.9	1473.6	.4788	.9995	.5695	.9588	1.1712
.9600	1.0000	.8	2597.0	73.3	364.34	.9	1553.3	.5137	.9996	.5695	.9588	1.1031
.9700	1.0000	.8	2619.4	73.2	364.30	.8	1642.4	.5529	.9997	.5687	.9587	1.0344
.9800	1.0000	.8	2641.8	73.3	364.34	.7	1746.5	.5984	.9997	.5695	.9588	.9668
.9900	1.0000	.8	2664.2	73.3	364.34	.7	1865.2	.6505	.9998	.5695	.9588	.8985
1.0000	1.0000	.7	2686.6	73.3	364.32	.6	2002.8	.7109	.9998	.5691	.9587	.8300

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 390 K (PSAT 179.5 KPAI)

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RP
0.0000	0.0000	945.4	490.3	146.6	383.85	419.2	466.8	.0011	.5593	.8169	.9842	.4434
.0100	.9034	92.2	512.5	147.2	383.95	285.5	469.3	.0021	.7001	.8197	.9845	3.0958
.0200	.9498	48.5	534.6	142.3	382.94	201.6	467.6	.0032	.7887	.7975	.9819	4.1589
.0300	.9663	32.9	556.7	138.0	382.04	154.6	466.3	.0043	.8382	.7847	.9796	4.7039
.0400	.9747	24.9	578.8	134.4	381.27	125.0	465.5	.0054	.8694	.7749	.9776	5.0261
.0500	.9799	20.0	600.9	131.5	380.62	104.6	465.1	.0065	.8909	.7329	.9759	5.2312
.0600	.9834	16.7	623.0	129.0	380.06	89.8	465.2	.0076	.9065	.7197	.9745	5.3663
.0700	.9859	14.4	645.1	126.9	379.58	78.5	465.6	.0086	.9184	.7069	.9733	5.4572
.0800	.9877	12.6	667.2	125.1	379.16	69.8	466.2	.0097	.9278	.6967	.9722	5.5169
.0900	.9892	11.2	689.3	123.4	378.77	62.3	467.0	.0108	.9354	.6875	.9712	5.5522
.1000	.9904	10.1	711.5	122.0	378.43	56.3	468.0	.0119	.9417	.6795	.9703	5.5720
.1100	.9913	9.2	733.6	120.8	378.14	51.3	469.3	.0130	.9469	.6727	.9696	5.5815
.1200	.9921	8.4	755.7	119.6	377.86	47.1	470.6	.0141	.9514	.6661	.9689	5.5777
.1300	.9928	7.8	777.8	118.6	377.62	43.4	472.1	.0152	.9552	.6605	.9682	5.5686
.1400	.9934	7.2	799.9	117.6	377.38	40.2	473.7	.0164	.9586	.6552	.9676	5.5507
.1500	.9939	6.8	822.0	116.8	377.17	37.4	475.5	.0176	.9615	.6504	.9671	5.5284
.1600	.9944	6.3	844.1	116.0	376.99	34.9	477.4	.0187	.9641	.6463	.9666	5.5037
.1700	.9948	6.0	866.3	115.3	376.80	32.7	479.3	.0199	.9665	.6421	.9662	5.4721
.1800	.9951	5.6	888.3	114.6	376.63	30.7	481.3	.0212	.9686	.6383	.9657	5.4380
.1900	.9954	5.3	910.4	114.0	376.48	28.9	483.5	.0224	.9704	.6350	.9653	5.4027
.2000	.9957	5.1	932.6	113.4	376.34	27.3	485.8	.0237	.9722	.6319	.9650	5.3646
.2100	.9960	4.8	954.7	112.9	376.22	25.8	488.2	.0250	.9737	.6291	.9647	5.3257
.2200	.9962	4.6	976.8	112.4	376.09	24.4	490.7	.0263	.9751	.6264	.9643	5.2837
.2300	.9964	4.4	998.9	111.9	375.98	23.2	493.2	.0277	.9764	.6239	.9640	5.2402
.2400	.9966	4.2	1021.0	111.5	375.86	22.0	495.8	.0290	.9776	.6217	.9637	5.1938
.2500	.9968	4.1	1043.1	111.1	375.76	21.0	498.6	.0304	.9788	.6191	.9635	5.1489
.2600	.9969	3.9	1065.2	110.8	375.66	20.0	501.4	.0319	.9798	.6170	.9632	5.1013
.2700	.9971	3.8	1087.3	110.4	375.57	19.0	504.3	.0333	.9807	.6150	.9630	5.0533
.2800	.9972	3.6	1109.4	110.1	375.48	18.2	507.3	.0349	.9816	.6131	.9628	5.0037
.2900	.9974	3.5	1131.6	109.7	375.38	17.4	510.4	.0364	.9825	.6109	.9625	4.9517
.3000	.9975	3.4	1153.7	109.4	375.31	16.6	513.6	.0380	.9833	.6094	.9623	4.9017
.3100	.9976	3.3	1175.8	109.1	375.25	15.9	517.0	.0396	.9840	.6080	.9622	4.8517
.3200	.9977	3.2	1197.9	108.9	375.17	15.3	520.4	.0412	.9847	.6064	.9620	4.7995
.3300	.9978	3.1	1220.0	108.6	375.11	14.7	523.9	.0429	.9853	.6051	.9618	4.7474
.3400	.9979	3.0	1242.1	108.3	375.03	14.1	527.5	.0446	.9860	.6034	.9616	4.6929
.3500	.9980	2.9	1264.2	108.1	374.98	13.5	531.3	.0464	.9865	.6023	.9615	4.6406
.3600	.9981	2.8	1286.3	107.9	374.92	13.0	535.1	.0482	.9871	.6010	.9613	4.5861
.3700	.9982	2.8	1308.4	107.7	374.86	12.5	539.1	.0501	.9876	.5998	.9612	4.5319
.3800	.9982	2.7	1330.6	107.5	374.81	12.0	543.1	.0520	.9881	.5986	.9610	4.4771
.3900	.9983	2.6	1352.7	107.2	374.74	11.6	547.3	.0539	.9886	.5973	.9609	4.4207
.4000	.9984	2.5	1374.8	107.0	374.69	11.1	551.6	.0559	.9890	.5961	.9607	4.3648
.4100	.9984	2.5	1396.9	106.9	374.66	10.7	556.2	.0580	.9895	.5955	.9607	4.3112
.4200	.9985	2.4	1419.0	106.7	374.61	10.3	560.8	.0602	.9899	.5945	.9605	4.2552
.4300	.9986	2.4	1441.1	106.6	374.57	10.0	565.5	.0623	.9902	.5936	.9604	4.1986
.4400	.9986	2.3	1463.2	106.3	374.50	9.6	570.3	.0646	.9906	.5922	.9603	4.1402
.4500	.9987	2.3	1485.3	106.2	374.48	9.3	575.4	.0669	.9910	.5918	.9602	4.0857
.4600	.9987	2.2	1507.4	106.0	374.43	8.9	580.5	.0693	.9913	.5906	.9601	4.0273
.4700	.9988	2.2	1529.5	105.9	374.40	8.6	586.0	.0717	.9916	.5900	.9600	3.9712
.4800	.9988	2.1	1551.7	105.8	374.36	8.3	591.5	.0743	.9920	.5893	.9599	3.9133
.4900	.9989	2.1	1573.8	105.6	374.32	8.0	597.2	.0769	.9923	.5885	.9598	3.8561
.5000	.9989	2.0	1595.9	105.5	374.29	7.7	603.2	.0795	.9926	.5879	.9597	3.7992
.5100	.9990	2.0	1618.0	105.3	374.24	7.5	609.2	.0823	.9928	.5867	.9596	3.7395
.5200	.9990	2.0	1640.1	105.3	374.23	7.2	615.6	.0852	.9931	.5865	.9596	3.6835
.5300	.9990	1.9	1662.2	105.2	374.19	7.0	622.1	.0881	.9934	.5857	.9595	3.6280
.5400	.9991	1.9	1684.3	105.0	374.16	6.7	628.9	.0912	.9936	.5852	.9594	3.5669
.5500	.9991	1.9	1706.4	104.9	374.14	6.5	635.9	.0944	.9938	.5846	.9593	3.5087
.5600	.9992	1.8	1728.5	104.8	374.11	6.3	643.2	.0976	.9941	.5840	.9592	3.4501
.5700	.9992	1.8	1750.7	104.7	374.08	6.1	650.7	.1010	.9943	.5834	.9592	3.3917
.5800	.9992	1.8	1772.8	104.6	374.05	5.9	658.5	.1045	.9945	.5828	.9591	3.3329
.5900	.9993	1.7	1794.9	104.5	374.02	5.7	666.6	.1081	.9947	.5822	.9590	3.2740
.6000	.9993	1.7	1817.0	104.3	373.97	5.5	674.8	.1119	.9949	.5812	.9589	3.2136
.6100	.9993	1.7	1839.1	104.3	373.97	5.3	683.7	.1158	.9951	.5812	.9589	3.1563
.6200	.9993	1.6	1861.2	104.1	373.90	5.1	692.4	.1198	.9953	.5797	.9587	3.0938
.6300	.9994	1.6	1883.3	104.1	373.90	4.9	702.0	.1241	.9955	.5797	.9587	3.0363
.6400	.9994	1.6	1905.4	104.0	373.88	4.7	711.9	.1285	.9957	.5793	.9587	2.9773
.6500	.9994	1.6	1927.5	104.0	373.88	4.6	722.3	.1331	.9959	.5793	.9587	2.9164
.6600	.9994	1.5	1949.7	103.9	373.85	4.4	732.9	.1379	.9960	.5787	.9586	2.8597
.6700	.9995	1.5	1971.8	103.8	373.83	4.3	744.1	.1429	.9962	.5783	.9585	2.8003
.6800	.9995	1.5	1993.9	103.8	373.82	4.1	755.8	.1481	.9963	.5781	.9585	2.7415
.6900	.9995	1.5	2016.0	103.7	373.79	4.0	767.9	.1535	.9965	.5775	.9584	2.6814
.7000	.9995	1.5	2038.1	103.6	373.79	3.8	780.8	.1592	.9966	.5773	.9584	2.6223
.7100	.9996	1.4	2060.2	103.5	373.76	3.7	794.0	.1651	.9968	.5768	.9583	2.5621
.7200	.9996	1.4	2082.3	103.5	373.75	3.5	808.1	.1714	.9969	.5766	.9583	2.5028
.7300	.9996	1.4	2104.4	103.4	373.72	3.4	822.7	.1779	.9971	.5760	.9583	2.4425
.7400	.9996	1.4	2126.5	103.4	373.71	3.3	838.3	.1848	.9972	.5758	.9582	2.3839
.7500	.9996	1.4	2148.6	103.3	373.68	3.2	854.4	.1920	.9973	.5752	.9582	2.3225
.7600	.9997	1.3	2170.8	103.2	373.66	3.0	871.5	.1996	.9975	.5748	.9581	2.2623
.7700	.9997	1.3	2192.9	103.2	373.65	2.9	889.7	.2077	.9976	.5746	.9581	2.2028
.7800	.9997	1.3	2215.0	103.1	373.63	2.8	908.8	.2162	.9977	.5742	.9580	2.1426
.7900	.9997	1.3	2237.1	102.9	373.59	2.7	928.8	.2251	.9978	.5734	.9579	2.0816
.8000	.9997	1.3	2259.2	102.9	373.58	2.6	950.2	.2347	.9979	.5730	.9579	2.0213
.8100	.9997	1.3	2281.3	102.9	373.59	2.5	973.3	.2449	.9981	.5734	.9579	1.9625
.8200	.9998	1.2	2303.4	102.8	37.57	2.4	997.4	.2556	.9982	.5729	.9579	1.9017
.8300	.9998	1.2	2325.5	102.8	373.56	2.3	1023.3	.2671	.9983	.5727	.9578	1.8417
.8400	.9998	1.2	2347.6	102.7	373.53	2.2	1050.6	.2793	.9984	.5719	.9577	1.7806
.8500	.9998	1.2	2369.8	102.7	373.53	2.1	1080.5	.2925	.9985	.5721	.9578	1.7210
.8600	.9998	1.2	2391.9	102.6	373.51	2.0	1112.1	.3065	.9986	.5717	.9577	1.6605
.8700	.9998	1.2	2414.0	102.5	373.48	1.9	1146.1	.3216	.9987	.5711	.9576	1.5985
.8800	.9999	1.2	2436.1	102.5	373.46	1.8	1182.8	.3379	.9988	.5709	.9576	1.5391
.8900	.9999	1.1	2458.2	102.4	373.47	1.7	1223.0	.3557	.9990	.5709	.9576	1.4793
.9000	.9999	1.1	2480.3	102.4	373.46	1.6	1266.3	.3750	.9990	.5707	.9576	1.4184
.9100	.9999	1.1	2502.4	102.3	373.42	1.5	1313.0	.3957	.9990	.5699	.9575	1.3577
.9200	.9999	1.1	2524.5	102.3	373.43	1.4	1363.5	.4183	.9991	.5701	.9575	1.2977
.9300	.9999	1.1	2546.6	102.2	373.40	1.4	1418.1	.4417	.9992	.5698	.9574	1.2368
.9400	.9999	1.1	2568.8	102.3	373.41	1.3	1476.3	.4710	.9993	.5697	.9575	1.1765
.9500	.9999	1.1	2590.9	102.2	373.40	1.2	1538.7	.5034	.9994	.5695	.9574	1.1161
.9600	1.0000	1.1	2613.0	102.2	373.40	1.1	1606.3	.5388	.9995	.5695	.9574	1.0556
.9700	1.0000	1.1	2635.1	102.1	373.37	1.0	1679.6	.5791	.9995	.5688	.9574	.9945
.9800	1.0000	1.0	2657.2	102.0	373.34	1.0	1815.2	.6144	.9996	.5684	.9573	.9337
.9900	1.0000	1.0	2679.3	102.1	373.35	.9	1927.6	.6642	.9997	.5686	.9573	.8733
1.0000	1.0000	1.0	2701.4	102.0	373.33	.8	2055.5	.7249	.9998	.5680	.9572	.8123

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 400 K (PSAT 245.6 KPA))

XQ	AQ	RQ KG/M3	HQ KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
0.0000	0.0000	937.2	532.9	197.2	392.94	424.8	506.0	.0014	.5501	.8030	.9824	.4533
.0100	.8737	119.8	584.7	199.0	393.23	308.4	509.5	.0025	.6737	.8104	.9831	2.5780
.0200	.9332	63.9	576.5	193.5	392.33	225.9	508.4	.0037	.7615	.7876	.9808	3.5362
.0300	.9549	43.6	598.4	188.2	391.47	176.7	507.4	.0049	.8138	.7663	.9787	4.0942
.0400	.9661	33.1	620.2	183.7	390.72	144.5	506.9	.0051	.8480	.7480	.9768	4.3706
.0500	.9730	26.6	642.0	179.9	390.07	121.9	506.8	.0073	.8720	.7324	.9752	4.5761
.0600	.9776	22.3	663.8	176.7	389.51	105.2	507.1	.0085	.8897	.7193	.9738	4.7369
.0700	.9810	19.2	685.7	173.8	389.04	92.3	507.6	.0097	.9034	.7077	.9725	4.8622
.0800	.9835	16.8	707.5	171.4	388.67	82.1	508.4	.0108	.9142	.6979	.9714	4.9731
.0900	.9854	15.0	729.3	169.2	388.18	73.8	509.4	.0121	.9230	.6890	.9705	4.9229
.1000	.9870	13.5	751.1	167.3	387.84	66.9	510.6	.0133	.9303	.6812	.9696	4.9510
.1100	.9883	12.3	773.0	165.6	387.51	61.1	512.0	.0145	.9365	.6740	.9688	4.9645
.1200	.9894	11.3	794.8	164.0	387.23	56.1	513.5	.0157	.9419	.6678	.9681	4.9700
.1300	.9903	10.4	816.6	162.6	386.96	51.8	515.2	.0170	.9463	.6620	.9674	4.9669
.1400	.9911	9.7	838.5	161.4	386.73	48.1	517.0	.0183	.9502	.6570	.9668	4.9590
.1500	.9918	9.1	860.3	160.1	386.50	44.7	518.9	.0196	.9537	.6520	.9662	4.9423
.1600	.9924	8.5	882.1	159.1	386.30	41.8	521.0	.0209	.9568	.6478	.9657	4.9243
.1700	.9929	8.0	903.9	158.1	386.11	39.2	523.1	.0222	.9596	.6437	.9653	4.9010
.1800	.9934	7.6	925.8	157.2	385.93	36.8	525.4	.0235	.9621	.6399	.9648	4.8740
.1900	.9938	7.2	947.6	156.3	385.77	34.7	527.9	.0249	.9643	.6365	.9644	4.8465
.2000	.9942	6.8	969.4	155.6	385.62	32.8	530.3	.0263	.9664	.6333	.9640	4.8153
.2100	.9945	6.5	991.2	154.8	385.48	31.0	532.9	.0278	.9682	.6304	.9637	4.7824
.2200	.9948	6.2	1013.1	154.1	385.34	29.4	535.6	.0292	.9699	.6275	.9634	4.7472
.2300	.9951	5.9	1034.9	153.5	385.21	27.9	538.3	.0307	.9715	.6249	.9630	4.7106
.2400	.9954	5.7	1056.7	152.9	385.10	26.5	541.2	.0322	.9729	.6225	.9627	4.6727
.2500	.9956	5.5	1078.6	152.3	384.98	25.3	544.2	.0338	.9743	.6201	.9625	4.6332
.2600	.9959	5.2	1100.4	151.8	384.88	24.1	547.3	.0353	.9755	.6180	.9622	4.5930
.2700	.9961	5.1	1122.2	151.3	384.78	23.0	550.4	.0369	.9767	.6159	.9619	4.5517
.2800	.9963	4.9	1144.0	150.8	384.68	22.0	553.7	.0386	.9778	.6140	.9617	4.5093
.2900	.9964	4.7	1165.9	150.4	384.59	21.0	557.1	.0403	.9788	.6121	.9615	4.4661
.3000	.9966	4.5	1187.7	149.9	384.51	20.1	560.6	.0420	.9797	.6104	.9613	4.4222
.3100	.9968	4.4	1209.5	149.5	384.42	19.3	564.1	.0438	.9806	.6086	.9610	4.3772
.3200	.9969	4.3	1231.3	149.1	384.34	18.5	567.8	.0456	.9814	.6070	.9609	4.3321
.3300	.9970	4.1	1253.2	148.8	384.28	17.7	571.7	.0474	.9822	.6059	.9607	4.2880
.3400	.9972	4.0	1275.0	148.5	384.23	17.0	575.7	.0493	.9829	.6047	.9606	4.2430
.3500	.9973	3.9	1296.8	148.1	384.13	16.4	579.6	.0512	.9837	.6028	.9603	4.1939
.3600	.9974	3.8	1318.7	147.8	384.08	15.7	583.8	.0532	.9843	.6018	.9602	4.1478
.3700	.9975	3.7	1340.5	147.4	384.01	15.1	588.1	.0553	.9850	.6003	.9600	4.0992
.3800	.9976	3.6	1362.3	147.1	383.94	14.6	592.5	.0574	.9856	.5990	.9599	4.0509
.3900	.9977	3.5	1384.1	146.9	383.89	14.0	597.0	.0595	.9861	.5979	.9597	4.0029
.4000	.9978	3.4	1406.0	146.7	383.85	13.5	601.8	.0617	.9867	.5971	.9596	3.9552
.4100	.9979	3.3	1427.8	146.3	383.78	13.0	606.5	.0640	.9872	.5957	.9594	3.9049
.4200	.9980	3.3	1449.6	146.1	383.74	12.5	611.5	.0663	.9877	.5949	.9593	3.8566
.4300	.9981	3.2	1471.4	145.9	383.69	12.1	616.6	.0687	.9881	.5939	.9592	3.8071
.4400	.9981	3.1	1493.3	145.6	383.63	11.7	621.8	.0711	.9886	.5928	.9591	3.7564
.4500	.9982	3.0	1515.1	145.5	383.60	11.3	627.3	.0736	.9890	.5922	.9590	3.7077
.4600	.9983	3.0	1536.9	145.2	383.55	10.9	632.9	.0762	.9894	.5912	.9589	3.6570
.4700	.9984	2.9	1558.7	145.0	383.51	10.5	638.7	.0789	.9898	.5904	.9588	3.6069
.4800	.9984	2.8	1580.6	144.9	383.48	10.1	644.7	.0816	.9902	.5898	.9587	3.5571
.4900	.9985	2.8	1602.4	144.7	383.44	9.8	650.9	.0845	.9906	.5891	.9586	3.5063
.5000	.9985	2.7	1624.2	144.5	383.40	9.4	657.2	.0874	.9909	.5883	.9585	3.4552
.5100	.9986	2.7	1646.1	144.3	383.36	9.1	663.7	.0904	.9913	.5873	.9584	3.4032
.5200	.9987	2.6	1667.9	144.0	383.31	8.8	670.4	.0935	.9916	.5863	.9583	3.3509
.5300	.9987	2.6	1689.7	143.8	383.27	8.5	677.4	.0967	.9919	.5855	.9582	3.2992
.5400	.9988	2.5	1711.5	143.7	383.24	8.2	684.6	.1000	.9922	.5850	.9581	3.2479
.5500	.9988	2.5	1733.4	143.6	383.22	7.9	692.2	.1034	.9925	.5846	.9580	3.1971
.5600	.9989	2.4	1755.2	143.3	383.17	7.7	699.8	.1069	.9928	.5836	.9579	3.1441
.5700	.9989	2.4	1777.0	143.3	383.17	7.4	708.1	.1106	.9931	.5836	.9579	3.0941
.5800	.9989	2.4	1798.8	143.2	383.13	7.2	716.3	.1144	.9933	.5828	.9578	3.0414
.5900	.9990	2.3	1820.7	142.8	383.05	6.9	724.6	.1182	.9936	.5812	.9576	2.9861
.6000	.9990	2.3	1842.5	142.8	383.05	6.7	733.7	.1223	.9938	.5812	.9576	2.9356
.6100	.9991	2.2	1864.3	142.7	383.04	6.5	743.1	.1266	.9941	.5811	.9576	2.8844
.6200	.9991	2.2	1886.2	142.6	383.02	6.2	752.8	.1310	.9943	.5807	.9575	2.8323
.6300	.9991	2.2	1908.0	142.4	382.97	6.0	762.7	.1355	.9945	.5797	.9574	2.7784
.6400	.9992	2.1	1929.8	142.3	382.95	5.8	773.2	.1402	.9947	.5793	.9574	2.7261
.6500	.9992	2.1	1951.6	142.0	382.89	5.6	783.8	.1450	.9949	.5781	.9572	2.6718
.6600	.9992	2.1	1973.5	142.1	382.92	5.4	795.5	.1502	.9951	.5787	.9573	2.6216
.6700	.9993	2.0	1995.3	141.9	382.87	5.2	807.1	.1555	.9953	.5777	.9572	2.5674
.6800	.9993	2.0	2017.1	141.9	382.87	5.1	819.4	.1611	.9955	.5777	.9572	2.5157
.6900	.9993	2.0	2038.9	141.8	382.85	4.9	832.4	.1669	.9957	.5773	.9571	2.4628
.7000	.9994	2.0	2060.8	141.7	382.83	4.7	845.8	.1730	.9959	.5770	.9571	2.4098
.7100	.9994	1.9	2082.6	141.6	382.80	4.5	859.8	.1793	.9961	.5764	.9570	2.3563
.7200	.9994	1.9	2104.4	141.5	382.78	4.4	874.5	.1859	.9963	.5760	.9569	2.3032
.7300	.9995	1.9	2126.3	141.4	382.76	4.2	889.9	.1929	.9964	.5755	.9569	2.2499
.7400	.9995	1.8	2148.1	141.3	382.74	4.1	906.1	.2001	.9965	.5752	.9568	2.1966
.7500	.9995	1.8	2169.9	141.2	382.72	3.9	923.1	.2078	.9967	.5748	.9568	2.1433
.7600	.9995	1.8	2191.7	141.1	382.71	3.8	941.1	.2159	.9969	.5746	.9568	2.0903
.7700	.9996	1.8	2213.6	141.0	382.69	3.6	959.9	.2243	.9970	.5743	.9567	2.0368
.7800	.9996	1.8	2235.4	140.9	382.67	3.5	979.8	.2333	.9972	.5739	.9567	1.9832
.7900	.9996	1.7	2257.2	140.8	382.66	3.3	1000.5	.2425	.9973	.5740	.9566	1.9299
.8000	.9996	1.7	2279.0	140.7	382.60	3.2	1022.7	.2526	.9975	.5727	.9565	1.8752
.8100	.9997	1.7	2300.9	140.7	382.61	3.1	1046.5	.2633	.9976	.5729	.9565	1.8225
.8200	.9997	1.7	2322.7	140.6	382.59	3.0	1071.5	.2745	.9977	.5725	.9565	1.7688
.8300	.9997	1.6	2344.5	140.6	382.58	2.8	1098.1	.2864	.9979	.5723	.9565	1.7151
.8400	.9997	1.6	2366.4	140.5	382.56	2.7	1126.4	.2991	.9980	.5719	.9564	1.6614
.8500	.9997	1.6	2388.2	140.3	382.52	2.6	1156.3	.3126	.9981	.5711	.9563	1.6069
.8600	.9998	1.6	2410.0	140.3	382.53	2.5	1188.9	.3272	.9983	.5713	.9563	1.5534
.8700	.9998	1.6	2431.8	140.2	382.51	2.4	1223.5	.3427	.9984	.5709	.9563	1.4999
.8800	.9998	1.6	2453.7	140.2	382.50	2.2	1260.8	.3595	.9985	.5707	.9563	1.4461
.8900	.9998	1.5	2475.5	140.0	382.46	2.1	1300.6	.3774	.9986	.5699	.9562	1.3919
.9000	.9998	1.5	2497.3	140.0	382.47	2.0	1344.4	.3970	.9987	.5701	.9562	1.3383
.9100	.9999	1.5	2519.1	140.0	382.44	1.9	1391.6	.4181	.9988	.5699	.9562	1.2844
.9200	.9999	1.5	2541.0	139.8	382.42	1.8	1442.4	.4409	.9989	.5691	.9561	1.2298
.9300	.9999	1.5	2562.8	139.8	382.43	1.7	1498.8	.4657	.9990	.5693	.9561	1.1763
.9400	.9999	1.5	2584.6	139.8	382.42	1.6	1560.3	.4938	.9991	.5691	.9561	1.1223
.9500	.9999	1.4	2606.5	139.6	382.39	1.5	1627.4	.5239	.9992	.5684	.9560	1.0673
.9600	.9999	1.4	2628.3	139.7	382.39	1.4	1702.8	.5576	.9993	.5686	.9560	1.0141
.9700	1.0000	1.4	2650.1	139.5	382.37	1.4	1785.8	.5948	.9994	.5680	.9559	.9597
.9800	1.0000	1.4	2671.9	139.4	382.37	1.3	1879.7	.6369	.9995	.5682	.9559	.9059
.9900	1.0000	1.4	2693.8	139.5	382.36	1.2	1985.1	.6842	.9996	.5680	.9559	.8518
1.0000	1.0000	1.4	2715.6	139.5	382.36	1.1	2105.2	.7380	.9997	.5680	.9559	.7977

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 410 K (PSAT 330.3 KPA))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
0.0000	0.0000	928.7	575.6	260.9	401.99	430.0	545.3	.0018	.5412	.7898	.9805	.4631
.0100	.8385	151.5	597.1	264.3	402.42	328.5	549.5	.0029	.6498	.8002	.9815	2.1676
.0200	.9129	82.5	618.9	258.2	401.65	249.1	549.1	.0042	.7350	.7918	.9796	3.0193
.0300	.9408	56.7	640.2	252.0	400.84	198.6	548.6	.0056	.7891	.7829	.9777	3.5047
.0400	.9554	43.2	661.7	246.5	400.11	164.5	548.4	.0069	.8257	.7662	.9759	3.8106
.0500	.9643	34.9	683.3	241.7	399.48	140.0	548.6	.0082	.8519	.7318	.9743	4.0139
.0600	.9704	29.2	704.8	237.6	398.91	121.5	549.0	.0095	.8717	.7192	.9729	4.1578
.0700	.9748	25.5	726.3	233.9	398.41	107.2	549.8	.0108	.8870	.7083	.9717	4.2581
.0800	.9781	22.1	747.9	230.7	397.96	95.7	550.7	.0121	.8993	.6986	.9708	4.3293
.0900	.9807	19.7	769.4	227.9	397.56	86.2	551.9	.0135	.9094	.6900	.9697	4.3792
.1000	.9828	17.8	790.9	225.4	397.20	78.4	553.4	.0148	.9178	.6824	.9688	4.4137
.1100	.9845	16.2	812.5	223.1	396.87	71.7	554.9	.0161	.9249	.6755	.9680	4.4342
.1200	.9859	14.8	834.0	221.0	396.57	66.0	556.6	.0175	.9310	.6691	.9672	4.4449
.1300	.9871	13.7	855.5	219.1	396.29	61.1	558.5	.0189	.9363	.6633	.9666	4.4484
.1400	.9882	12.8	877.1	217.4	396.04	56.7	560.5	.0203	.9409	.6583	.9660	4.4455
.1500	.9891	11.9	898.6	215.9	395.82	52.9	562.6	.0217	.9450	.6537	.9654	4.4378
.1600	.9899	11.2	920.1	214.4	395.60	49.5	564.9	.0231	.9486	.6492	.9649	4.4247
.1700	.9906	10.5	941.7	213.1	395.40	46.4	567.3	.0246	.9519	.6453	.9644	4.4089
.1800	.9912	10.0	963.3	211.9	395.21	43.7	569.7	.0261	.9548	.6414	.9639	4.3882
.1900	.9918	9.4	984.7	210.7	395.04	41.2	572.3	.0276	.9574	.6380	.9635	4.3660
.2000	.9923	9.0	1006.3	209.7	394.88	38.9	575.0	.0291	.9598	.6349	.9631	4.3417
.2100	.9927	8.5	1027.8	208.7	394.73	36.9	577.8	.0307	.9621	.6317	.9627	4.3142
.2200	.9931	8.2	1049.3	207.8	394.59	35.0	580.8	.0323	.9641	.6291	.9624	4.2864
.2300	.9935	7.8	1070.9	206.8	394.44	33.2	583.7	.0339	.9659	.6264	.9621	4.2545
.2400	.9939	7.5	1092.4	206.0	394.32	31.6	586.9	.0355	.9676	.6237	.9618	4.2229
.2500	.9942	7.2	1114.0	205.2	394.20	30.1	590.1	.0372	.9692	.6214	.9615	4.1897
.2600	.9945	6.9	1135.5	204.6	394.10	28.7	593.5	.0390	.9707	.6193	.9612	4.1562
.2700	.9948	6.7	1157.0	203.8	393.98	27.4	596.8	.0407	.9721	.6170	.9609	4.1197
.2800	.9950	6.4	1178.6	203.1	393.87	26.2	600.4	.0425	.9733	.6150	.9607	4.0835
.2900	.9953	6.2	1200.1	202.5	393.78	25.1	604.0	.0444	.9745	.6132	.9604	4.0465
.3000	.9955	6.0	1221.6	201.9	393.68	24.0	607.8	.0462	.9757	.6113	.9602	4.0083
.3100	.9957	5.8	1243.2	201.5	393.62	23.1	611.8	.0482	.9767	.6102	.9601	3.9722
.3200	.9959	5.6	1264.7	200.8	393.51	22.1	615.6	.0501	.9777	.6080	.9598	3.9305
.3300	.9961	5.5	1286.2	200.3	393.43	21.2	619.7	.0522	.9787	.6065	.9596	3.8910
.3400	.9962	5.3	1307.8	199.9	393.37	20.4	624.0	.0543	.9795	.6053	.9594	3.8514
.3500	.9964	5.1	1329.3	199.4	393.28	19.6	628.3	.0563	.9804	.6036	.9592	3.8096
.3600	.9966	5.0	1350.8	198.9	393.21	18.9	632.8	.0585	.9812	.6022	.9590	3.7682
.3700	.9967	4.9	1372.4	198.6	393.15	18.1	637.4	.0607	.9819	.6012	.9589	3.7274
.3800	.9968	4.7	1393.9	198.0	393.07	17.5	642.1	.0630	.9826	.5996	.9587	3.6839
.3900	.9970	4.6	1415.4	197.7	393.01	16.8	646.9	.0653	.9833	.5984	.9586	3.6414
.4000	.9971	4.5	1437.0	197.3	392.95	16.2	651.9	.0677	.9840	.5973	.9584	3.5985
.4100	.9972	4.4	1458.5	197.0	392.90	15.6	657.1	.0701	.9846	.5963	.9583	3.5558
.4200	.9973	4.3	1480.0	196.7	392.86	15.1	662.5	.0726	.9852	.5955	.9582	3.5134
.4300	.9974	4.2	1501.6	196.2	392.78	14.6	667.9	.0752	.9857	.5941	.9580	3.4684
.4400	.9975	4.1	1523.1	196.0	392.74	14.2	673.5	.0779	.9863	.5933	.9579	3.4248
.4500	.9976	4.0	1544.6	195.6	392.68	13.5	679.3	.0806	.9868	.5922	.9578	3.3800
.4600	.9977	3.9	1566.2	195.3	392.64	13.1	685.3	.0834	.9873	.5914	.9577	3.3361
.4700	.9978	3.8	1587.7	195.1	392.61	12.6	691.6	.0863	.9878	.5908	.9576	3.2925
.4800	.9979	3.8	1609.2	194.8	392.54	12.2	697.8	.0893	.9882	.5896	.9574	3.2465
.4900	.9980	3.7	1630.8	194.5	392.50	11.8	704.4	.0923	.9887	.5889	.9573	3.2015
.5000	.9981	3.6	1652.3	194.3	392.47	11.4	711.2	.0955	.9891	.5883	.9572	3.1570
.5100	.9981	3.5	1673.8	194.0	392.42	11.0	718.2	.0987	.9895	.5873	.9571	3.1109
.5200	.9982	3.5	1695.4	193.8	392.38	10.5	725.4	.1020	.9899	.5866	.9570	3.0656
.5300	.9983	3.4	1716.9	193.6	392.36	10.3	732.9	.1055	.9903	.5861	.9570	3.0206
.5400	.9983	3.3	1738.4	193.3	392.30	9.9	740.5	.1090	.9906	.5852	.9568	2.9739
.5500	.9984	3.3	1760.0	193.0	392.26	9.6	748.4	.1127	.9910	.5844	.9567	2.9276
.5600	.9985	3.2	1781.5	192.9	392.24	9.3	756.7	.1165	.9913	.5839	.9567	2.8820
.5700	.9985	3.2	1803.0	192.6	392.20	9.0	765.2	.1204	.9916	.5832	.9566	2.8356
.5800	.9986	3.1	1824.6	192.5	392.18	8.7	774.1	.1245	.9919	.5828	.9565	2.7900
.5900	.9986	3.1	1846.1	192.3	392.15	8.4	783.3	.1287	.9925	.5822	.9565	2.7436
.6000	.9987	3.0	1867.6	192.1	392.11	8.1	792.7	.1331	.9925	.5816	.9564	2.6979
.6100	.9988	3.0	1889.2	191.9	392.08	7.8	802.5	.1376	.9928	.5811	.9563	2.6503
.6200	.9988	2.9	1910.7	191.7	392.04	7.6	812.6	.1422	.9931	.5803	.9562	2.6029
.6300	.9989	2.9	1932.2	191.6	392.03	7.3	823.3	.1471	.9934	.5801	.9562	2.5570
.6400	.9989	2.8	1953.8	191.4	392.00	7.1	834.3	.1521	.9936	.5795	.9561	2.5092
.6500	.9990	2.8	1975.3	191.1	391.96	6.8	845.6	.1573	.9939	.5787	.9560	2.4622
.6600	.9990	2.7	1996.8	191.0	391.92	6.6	857.5	.1627	.9941	.5781	.9559	2.4149
.6700	.9990	2.7	2018.4	190.8	391.90	6.4	869.9	.1684	.9944	.5777	.9559	2.3680
.6800	.9991	2.7	2039.9	190.8	391.89	6.2	882.9	.1743	.9946	.5775	.9558	2.3214
.6900	.9991	2.6	2061.5	190.7	391.88	6.0	896.5	.1805	.9948	.5773	.9558	2.2747
.7000	.9992	2.6	2083.0	190.4	391.83	5.7	910.3	.1869	.9951	.5764	.9557	2.2261
.7100	.9992	2.5	2104.5	190.3	391.82	5.5	925.1	.1936	.9953	.5762	.9557	2.1792
.7200	.9992	2.5	2126.1	190.1	391.78	5.3	940.3	.2005	.9955	.5754	.9556	2.1310
.7300	.9993	2.5	2147.6	189.9	391.75	5.2	956.3	.2079	.9957	.5750	.9555	2.0835
.7400	.9993	2.4	2169.1	189.8	391.73	5.0	973.2	.2155	.9959	.5746	.9554	2.0359
.7500	.9994	2.4	2190.7	189.7	391.71	4.8	990.8	.2235	.9961	.5742	.9554	1.9883
.7600	.9994	2.4	2212.2	189.5	391.69	4.6	1009.4	.2320	.9962	.5738	.9553	1.9406
.7700	.9994	2.3	2233.7	189.4	391.67	4.4	1028.8	.2409	.9964	.5734	.9553	1.8929
.7800	.9995	2.3	2255.3	189.3	391.65	4.3	1049.4	.2502	.9966	.5730	.9552	1.8450
.7900	.9995	2.3	2276.8	189.3	391.65	4.1	1071.2	.2601	.9968	.5730	.9552	1.7978
.8000	.9995	2.3	2298.3	189.2	391.64	4.0	1094.1	.2705	.9969	.5729	.9552	1.7501
.8100	.9995	2.2	2319.9	189.1	391.63	3.8	1118.4	.2815	.9971	.5727	.9552	1.7024
.8200	.9996	2.2	2341.4	189.0	391.59	3.6	1143.8	.2931	.9973	.5721	.9551	1.6540
.8300	.9996	2.2	2362.9	188.8	391.56	3.5	1170.7	.3053	.9974	.5715	.9550	1.6056
.8400	.9996	2.2	2384.5	188.8	391.56	3.4	1199.8	.3185	.9976	.5715	.9550	1.5582
.8500	.9997	2.1	2406.0	188.5	391.52	3.2	1230.1	.3323	.9977	.5707	.9549	1.5093
.8600	.9997	2.1	2427.5	188.6	391.53	3.1	1263.2	.3473	.9979	.5709	.9550	1.4614
.8700	.9997	2.1	2449.1	188.4	391.51	2.9	1298.1	.3631	.9980	.5705	.9549	1.4135
.8800	.9997	2.1	2470.6	188.4	391.50	2.8	1335.7	.3802	.9982	.5703	.9549	1.3655
.8900	.9998	2.0	2492.1	188.1	391.46	2.7	1375.5	.3983	.9983	.5695	.9548	1.3166
.9000	.9998	2.0	2513.7	188.2	391.47	2.5	1419.2	.4181	.9984	.5697	.9548	1.2689
.9100	.9998	2.0	2535.2	188.1	391.44	2.4	1465.9	.4392	.9986	.5693	.9547	1.2205
.9200	.9998	2.0	2556.7	188.0	391.43	2.3	1516.7	.4623	.9987	.5691	.9547	1.1722
.9300	.9999	1.9	2578.3	187.7	391.39	2.2	1571.2	.4870	.9988	.5684	.9546	1.1234
.9400	.9999	1.9	2599.8	187.8	391.40	2.1	1631.7	.5144	.9989	.5686	.9546	1.0754
.9500	.9999	1.9	2621.3	187.7	391.39	2.0	1697.5	.5443	.9991	.5684	.9546	1.0271
.9600	.9999	1.9	2642.9	187.5	391.35	1.8	1769.2	.5768	.9992	.5676	.9545	.9782
.9700	.9999	1.9	2664.4	187.5	391.36	1.7	1849.6	.6132	.9993	.5678	.9545	.9301
.9800	1.0000	1.8	2685.9	187.5	391.35	1.6	1938.4	.6534	.9994	.5676	.9545	.8815
.9900	1.0000	1.8	2707.5	187.4	391.34	1.5	2037.5	.6983	.9995	.5674	.9544	.8331
1.0000	1.0000	1.8	2729.0	187.3	391.33	1.4	2148.9	.7488	.9996	.5672	.9545	.7846

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 420 K (PSAT 437.1 KPA))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
0.0000	0.0000	919.7	618.6	339.9	411.00	434.9	584.7	.0023	.5323	.7775	.9786	.4729
.0100	.7980	187.7	639.8	345.2	411.54	346.0	589.6	.0034	.6282	.7897	.9799	1.8436
.0200	.8897	104.5	661.0	338.9	410.89	270.9	589.8	.0048	.7095	.7752	.9783	2.5920
.0300	.9236	72.4	682.3	331.6	410.14	220.1	589.8	.0063	.7645	.7586	.9765	3.0392
.0400	.9422	55.4	703.5	325.1	409.45	184.6	589.9	.0077	.8029	.7437	.9749	3.3319
.0500	.9537	44.9	724.7	319.2	408.82	158.4	590.3	.0092	.8311	.7303	.9734	3.5323
.0600	.9615	37.7	745.9	314.1	408.26	138.5	591.1	.0106	.8527	.7185	.9720	3.6744
.0700	.9671	32.5	767.2	309.6	407.76	122.8	592.0	.0120	.8697	.7082	.9709	3.7780
.0800	.9714	28.6	788.4	305.7	407.33	110.1	593.3	.0135	.8833	.6992	.9698	3.8548
.0900	.9748	25.5	809.6	301.9	406.90	99.5	594.6	.0149	.8947	.6906	.9688	3.9069
.1000	.9775	23.0	830.9	298.6	406.53	90.7	596.2	.0164	.9042	.6832	.9679	3.9457
.1100	.9797	20.9	852.1	295.7	406.20	83.2	598.0	.0179	.9123	.6764	.9671	3.9720
.1200	.9816	19.2	873.3	293.0	405.88	76.7	599.9	.0194	.9193	.6702	.9664	3.9883
.1300	.9832	17.8	894.6	290.5	405.60	71.1	602.0	.0209	.9253	.6646	.9657	3.9973
.1400	.9845	16.5	915.8	288.3	405.34	66.2	604.2	.0224	.9307	.6596	.9651	4.0003
.1500	.9857	15.5	937.0	286.2	405.09	61.8	606.5	.0239	.9354	.6547	.9645	3.9963
.1600	.9868	14.5	958.2	284.3	404.87	57.9	609.0	.0255	.9396	.6505	.9640	3.9898
.1700	.9877	13.7	979.5	282.6	404.66	54.4	611.5	.0271	.9433	.6465	.9635	3.9789
.1800	.9885	12.9	1000.7	281.0	404.48	51.2	614.3	.0287	.9467	.6429	.9630	3.9653
.1900	.9892	12.2	1021.9	279.5	404.30	48.3	617.1	.0304	.9498	.6395	.9626	3.9485
.2000	.9899	11.6	1043.2	278.1	404.12	45.7	620.0	.0320	.9526	.6361	.9622	3.9287
.2100	.9905	11.1	1064.4	276.7	403.96	43.3	623.0	.0337	.9552	.6331	.9618	3.9072
.2200	.9910	10.6	1085.6	275.4	403.80	41.1	626.1	.0355	.9575	.6301	.9614	3.8829
.2300	.9915	10.1	1106.9	274.3	403.66	39.1	629.4	.0373	.9597	.6274	.9611	3.8580
.2400	.9920	9.7	1128.1	273.2	403.52	37.2	632.7	.0391	.9617	.6249	.9608	3.8313
.2500	.9924	9.3	1149.3	272.2	403.40	35.5	636.2	.0409	.9635	.6227	.9605	3.8041
.2600	.9928	9.0	1170.5	271.1	403.27	33.9	639.8	.0428	.9653	.6202	.9602	3.7742
.2700	.9931	8.7	1191.8	270.3	403.17	32.4	643.5	.0447	.9669	.6183	.9599	3.7440
.2800	.9935	8.3	1213.0	269.3	403.05	31.0	647.3	.0466	.9684	.6161	.9596	3.7133
.2900	.9938	8.1	1234.2	268.4	402.94	29.7	651.2	.0486	.9698	.6141	.9594	3.6809
.3000	.9941	7.8	1255.5	267.7	402.84	28.4	655.2	.0507	.9711	.6123	.9591	3.6484
.3100	.9943	7.5	1276.7	266.9	402.75	27.3	659.4	.0528	.9724	.6105	.9589	3.6153
.3200	.9946	7.3	1297.9	266.3	402.67	26.2	663.7	.0549	.9735	.6092	.9587	3.5824
.3300	.9948	7.1	1319.2	265.5	402.57	25.1	668.0	.0571	.9746	.6073	.9585	3.5492
.3400	.9951	6.9	1340.4	264.9	402.50	24.2	672.6	.0593	.9757	.6061	.9583	3.5120
.3500	.9953	6.7	1361.6	264.2	402.40	23.2	677.1	.0616	.9767	.6043	.9581	3.4750
.3600	.9955	6.5	1382.9	263.6	402.33	22.4	681.9	.0639	.9776	.6030	.9579	3.4393
.3700	.9957	6.3	1404.1	263.1	402.27	21.5	686.9	.0663	.9785	.6020	.9578	3.4034
.3800	.9958	6.2	1425.3	262.4	402.19	20.7	691.9	.0686	.9793	.6004	.9576	3.3655
.3900	.9960	6.0	1446.5	262.0	402.13	20.0	697.2	.0713	.9801	.5994	.9575	3.3290
.4000	.9962	5.9	1467.8	261.5	402.07	19.3	702.5	.0739	.9809	.5982	.9573	3.2913
.4100	.9963	5.7	1489.0	260.9	401.99	18.6	707.9	.0765	.9817	.5969	.9571	3.2523
.4200	.9965	5.6	1510.2	260.4	401.93	17.9	713.6	.0792	.9824	.5957	.9570	3.2136
.4300	.9966	5.5	1531.5	260.0	401.88	17.3	719.4	.0820	.9830	.5946	.9569	3.1756
.4400	.9968	5.3	1552.7	259.5	401.82	16.7	725.4	.0849	.9837	.5937	.9567	3.1364
.4500	.9969	5.2	1573.9	259.1	401.76	16.1	731.6	.0878	.9843	.5928	.9566	3.0972
.4600	.9970	5.1	1595.2	258.7	401.72	15.6	738.0	.0908	.9849	.5919	.9565	3.0580
.4700	.9971	5.0	1616.4	258.4	401.68	15.1	744.6	.0939	.9854	.5912	.9564	3.0191
.4800	.9972	4.9	1637.6	258.0	401.62	14.6	751.3	.0971	.9860	.5901	.9562	2.9787
.4900	.9973	4.8	1658.8	257.7	401.58	14.1	758.3	.1004	.9865	.5895	.9561	2.9392
.5000	.9974	4.7	1680.1	257.3	401.53	13.6	765.5	.1038	.9870	.5887	.9560	2.8991
.5100	.9975	4.6	1701.3	256.8	401.47	13.1	772.7	.1072	.9875	.5875	.9559	2.8579
.5200	.9976	4.5	1722.5	256.6	401.45	12.7	780.5	.1108	.9879	.5871	.9558	2.8181
.5300	.9977	4.4	1743.8	256.3	401.40	12.3	788.4	.1145	.9884	.5863	.9557	2.7773
.5400	.9978	4.3	1765.0	255.9	401.35	11.9	796.4	.1183	.9888	.5854	.9556	2.7360
.5500	.9979	4.3	1786.2	255.7	401.33	11.5	804.9	.1223	.9892	.5850	.9555	2.6950
.5600	.9980	4.2	1807.5	255.3	401.27	11.1	813.5	.1263	.9896	.5840	.9554	2.6535
.5700	.9981	4.1	1828.7	255.1	401.25	10.8	822.6	.1305	.9900	.5836	.9554	2.6132
.5800	.9982	4.0	1849.9	254.8	401.21	10.4	831.9	.1348	.9904	.5830	.9553	2.5720
.5900	.9982	4.0	1871.1	254.5	401.16	10.1	841.4	.1393	.9907	.5821	.9552	2.5298
.6000	.9983	3.9	1892.4	254.2	401.13	9.7	851.4	.1439	.9911	.5815	.9551	2.4883
.6100	.9984	3.8	1913.6	254.0	401.10	9.4	861.7	.1487	.9914	.5812	.9550	2.4464
.6200	.9984	3.8	1934.8	253.7	401.06	9.1	872.4	.1537	.9918	.5806	.9549	2.4044
.6300	.9985	3.7	1956.1	253.4	401.03	8.8	883.4	.1588	.9921	.5797	.9548	2.3620
.6400	.9986	3.7	1977.3	253.3	401.01	8.5	895.1	.1642	.9924	.5795	.9548	2.3215
.6500	.9986	3.6	1998.5	253.0	400.97	8.2	906.9	.1697	.9927	.5787	.9547	2.2788
.6600	.9987	3.6	2019.8	252.7	400.94	8.0	919.3	.1754	.9930	.5781	.9546	2.2365
.6700	.9987	3.5	2041.0	252.6	400.93	7.7	932.4	.1814	.9933	.5779	.9546	2.1950
.6800	.9988	3.5	2062.2	252.5	400.90	7.4	945.9	.1877	.9935	.5775	.9545	2.1530
.6900	.9989	3.4	2083.5	252.1	400.86	7.2	959.7	.1941	.9938	.5768	.9544	2.1099
.7000	.9989	3.4	2104.7	251.8	400.83	6.9	974.3	.2008	.9941	.5762	.9543	2.0673
.7100	.9990	3.3	2125.9	251.7	400.81	6.7	989.6	.2079	.9943	.5759	.9543	2.0251
.7200	.9990	3.3	2147.1	251.5	400.78	6.5	1005.5	.2152	.9946	.5754	.9542	1.9825
.7300	.9991	3.2	2168.4	251.4	400.77	6.2	1022.2	.2229	.9948	.5752	.9542	1.9401
.7400	.9991	3.2	2189.6	251.3	400.75	6.0	1039.6	.2309	.9951	.5748	.9542	1.8977
.7500	.9991	3.1	2210.8	251.1	400.72	5.8	1057.9	.2393	.9953	.5744	.9541	1.8550
.7600	.9992	3.1	2232.1	250.9	400.70	5.6	1077.0	.2481	.9955	.5740	.9541	1.8123
.7700	.9992	3.1	2253.3	250.8	400.68	5.4	1097.0	.2574	.9957	.5738	.9540	1.7694
.7800	.9993	3.0	2274.5	250.6	400.66	5.2	1118.1	.2671	.9959	.5732	.9539	1.7265
.7900	.9993	3.0	2295.8	250.4	400.63	5.0	1140.3	.2773	.9961	.5729	.9539	1.6836
.8000	.9994	2.9	2317.0	250.2	400.61	4.8	1163.6	.2880	.9963	.5725	.9538	1.6405
.8100	.9994	2.9	2338.2	250.1	400.59	4.6	1188.2	.2993	.9965	.5721	.9538	1.5975
.8200	.9994	2.9	2359.4	249.8	400.56	4.5	1214.1	.3112	.9967	.5715	.9537	1.5540
.8300	.9995	2.8	2380.7	249.8	400.56	4.3	1241.4	.3240	.9969	.5714	.9537	1.5114
.8400	.9995	2.8	2401.9	249.5	400.51	4.1	1270.7	.3373	.9971	.5707	.9536	1.4676
.8500	.9995	2.8	2423.1	249.5	400.51	3.9	1301.9	.3515	.9973	.5707	.9536	1.4249
.8600	.9996	2.7	2444.4	249.4	400.50	3.8	1334.9	.3667	.9974	.5705	.9536	1.3819
.8700	.9996	2.7	2465.6	249.2	400.48	3.6	1369.9	.3828	.9976	.5701	.9535	1.3385
.8800	.9997	2.7	2486.8	249.0	400.44	3.5	1407.1	.3999	.9979	.5695	.9534	1.2949
.8900	.9997	2.6	2508.1	248.9	400.42	3.3	1447.1	.4183	.9979	.5691	.9534	1.2514
.9000	.9997	2.5	2529.3	248.7	400.41	3.2	1490.3	.4380	.9981	.5689	.9534	1.2082
.9100	.9997	2.6	2550.5	248.7	400.41	3.0	1536.6	.4593	.9983	.5689	.9534	1.1651
.9200	.9998	2.6	2571.7	248.4	400.39	2.9	1586.2	.4821	.9984	.5684	.9533	1.1214
.9300	.9998	2.5	2593.0	248.3	400.35	2.7	1639.9	.5067	.9986	.5680	.9532	1.0779
.9400	.9998	2.5	2614.2	248.4	400.36	2.6	1698.8	.5337	.9987	.5682	.9532	1.0348
.9500	.9999	2.5	2635.4	248.2	400.34	2.5	1762.3	.5629	.9989	.5674	.9532	.9912
.9600	.9999	2.4	2656.7	248.1	400.33	2.3	1831.9	.5947	.9990	.5676	.9532	.9477
.9700	.9999	2.4	2677.9	247.8	400.30	2.2	1907.7	.6295	.9991	.5670	.9531	.9039
.9800	.9999	2.4	2699.1	247.8	400.30	2.1	1992.0	.6677	.9993	.5670	.9531	.8605
.9900	1.0000	2.4	2720.4	247.6	400.29	1.9	2084.6	.7106	.9994	.5664	.9530	.8166
1.0000	1.0000	2.4	2741.6	247.7	400.27	1.9	2188.8	.7594	.9995	.5666	.9530	.7733

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 430 K (PSAT 570.1 KPA))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
0.0000	0.0000	910.3	661.8	436.6	419.96	439.2	624.3	.0028	.5238	.7659	.9766	.4825
.0100	.7527	227.4	682.7	444.1	420.58	361.1	629.6	.0040	.6088	.7791	.9781	1.5881
.0200	.8602	129.9	703.6	437.8	420.06	290.9	630.6	.0055	.6854	.7680	.9769	2.2394
.0300	.9031	90.9	724.5	429.8	419.38	240.8	631.0	.0071	.7402	.7539	.9753	2.6682
.0400	.9262	69.9	745.5	422.2	418.73	204.5	631.5	.0087	.7799	.7405	.9738	2.9235
.0500	.9407	56.8	766.4	415.2	418.12	177.1	632.3	.0102	.8097	.7293	.9724	3.1169
.0600	.9506	47.9	787.3	408.9	417.57	155.9	633.2	.0118	.8329	.7173	.9711	3.2571
.0700	.9578	41.3	808.2	403.3	417.07	138.9	634.5	.0134	.8514	.7075	.9699	3.3606
.0800	.9632	36.4	829.0	398.2	416.61	125.0	635.8	.0149	.8666	.6984	.9689	3.4366
.0900	.9675	32.5	849.9	393.8	416.21	113.5	637.5	.0165	.8791	.6908	.9679	3.4955
.1000	.9710	29.3	870.9	389.7	415.84	103.8	639.3	.0181	.8897	.6836	.9671	3.5379
.1100	.9739	26.7	891.9	385.9	415.49	95.4	641.2	.0197	.8988	.6770	.9662	3.5679
.1200	.9762	24.6	913.0	382.5	415.17	88.2	643.4	.0213	.9066	.6710	.9655	3.5891
.1300	.9782	22.7	933.7	379.4	414.88	81.9	645.6	.0230	.9134	.6655	.9648	3.6027
.1400	.9800	21.1	954.6	376.6	414.61	76.3	648.1	.0246	.9195	.6606	.9642	3.6102
.1500	.9815	19.8	975.5	373.9	414.36	71.4	650.6	.0263	.9248	.6559	.9636	3.6116
.1600	.9829	18.6	996.4	371.4	414.12	67.0	653.3	.0280	.9296	.6515	.9631	3.6091
.1700	.9841	17.5	1017.3	369.2	413.90	63.0	656.1	.0297	.9339	.6476	.9626	3.6029
.1800	.9851	16.7	1038.3	367.1	413.70	59.4	659.0	.0315	.9378	.6438	.9621	3.5932
.1900	.9861	15.7	1059.2	365.1	413.52	56.1	662.0	.0333	.9414	.6405	.9617	3.5816
.2000	.9869	14.9	1080.1	363.3	413.34	53.2	665.2	.0351	.9446	.6373	.9612	3.5667
.2100	.9877	14.2	1101.0	361.5	413.16	50.4	668.4	.0370	.9476	.6341	.9608	3.5493
.2200	.9884	13.6	1121.9	359.9	413.00	47.9	671.8	.0389	.9503	.6312	.9605	3.5307
.2300	.9890	13.0	1142.8	358.3	412.85	45.6	675.3	.0408	.9528	.6285	.9601	3.5101
.2400	.9896	12.5	1163.7	356.9	412.71	43.4	678.9	.0427	.9551	.6260	.9598	3.4883
.2500	.9901	12.0	1184.7	355.6	412.58	41.5	682.6	.0447	.9572	.6237	.9595	3.4657
.2600	.9906	11.5	1205.6	354.2	412.44	39.6	686.4	.0468	.9593	.6213	.9592	3.4406
.2700	.9911	11.1	1226.5	353.0	412.32	37.9	690.3	.0488	.9611	.6191	.9589	3.4151
.2800	.9915	10.7	1247.4	351.8	412.20	36.5	694.4	.0509	.9628	.6171	.9586	3.3884
.2900	.9919	10.3	1268.3	350.7	412.09	34.9	698.6	.0531	.9645	.6151	.9584	3.3613
.3000	.9923	10.0	1289.2	349.6	411.99	33.3	702.9	.0553	.9661	.6133	.9581	3.3332
.3100	.9927	9.7	1310.1	348.6	411.88	32.0	707.3	.0576	.9675	.6115	.9579	3.3044
.3200	.9930	9.4	1331.0	347.7	411.79	30.7	711.9	.0599	.9689	.6099	.9576	3.2750
.3300	.9933	9.1	1351.9	346.7	411.69	29.5	716.5	.0622	.9702	.6082	.9574	3.2449
.3400	.9936	8.8	1372.9	345.9	411.61	28.3	721.3	.0646	.9714	.6067	.9572	3.2143
.3500	.9939	8.6	1393.8	345.1	411.53	27.3	726.3	.0671	.9725	.6054	.9570	3.1835
.3600	.9941	8.3	1414.7	344.2	411.44	26.3	731.3	.0696	.9736	.6038	.9568	3.1512
.3700	.9944	8.1	1435.6	343.4	411.35	25.3	736.5	.0722	.9747	.6023	.9566	3.1187
.3800	.9946	7.9	1456.5	342.8	411.30	24.4	742.0	.0748	.9757	.6014	.9565	3.0873
.3900	.9948	7.7	1477.5	342.0	411.21	23.7	747.4	.0775	.9766	.5999	.9563	3.0529
.4000	.9950	7.5	1498.4	341.3	411.14	22.9	753.1	.0803	.9775	.5987	.9561	3.0205
.4100	.9952	7.3	1519.3	340.7	411.08	22.3	758.9	.0831	.9784	.5976	.9560	2.9884
.4200	.9954	7.2	1540.2	340.0	411.01	21.6	764.9	.0860	.9792	.5964	.9558	2.9563
.4300	.9956	7.0	1561.1	339.4	410.96	20.9	771.1	.0890	.9800	.5953	.9557	2.9243
.4400	.9958	6.8	1582.0	338.9	410.90	20.3	777.4	.0921	.9807	.5943	.9556	2.8948
.4500	.9960	6.7	1603.0	338.4	410.84	19.7	784.0	.0952	.9814	.5936	.9554	2.8601
.4600	.9961	6.5	1623.9	337.8	410.78	19.1	790.8	.0985	.9821	.5926	.9553	2.8331
.4700	.9963	6.4	1644.8	337.2	410.71	18.4	797.6	.1018	.9828	.5914	.9552	2.8033
.4800	.9964	6.3	1665.7	336.7	410.66	17.8	804.7	.1052	.9834	.5905	.9550	2.7737
.4900	.9966	6.1	1686.6	336.2	410.61	17.2	812.0	.1087	.9840	.5896	.9549	2.7442
.5000	.9967	6.0	1707.5	335.8	410.58	16.6	819.4	.1123	.9846	.5891	.9548	2.6732
.5100	.9968	5.9	1728.4	335.2	410.51	16.1	827.1	.1160	.9852	.5879	.9547	2.6361
.5200	.9969	5.8	1749.4	334.7	410.46	15.6	835.0	.1198	.9857	.5871	.9546	2.6000
.5300	.9971	5.7	1770.3	334.3	410.41	15.1	843.1	.1237	.9863	.5863	.9545	2.5637
.5400	.9972	5.6	1791.2	334.0	410.39	14.6	851.4	.1279	.9868	.5859	.9544	2.5326
.5500	.9973	5.5	1812.1	333.5	410.33	14.1	861.1	.1320	.9873	.5850	.9543	2.4909
.5600	.9974	5.4	1833.0	333.1	410.29	13.6	870.2	.1363	.9877	.5843	.9542	2.4547
.5700	.9975	5.3	1853.9	332.7	410.25	13.2	879.6	.1407	.9882	.5836	.9541	2.4173
.5800	.9976	5.2	1874.8	332.3	410.21	12.8	889.3	.1453	.9886	.5828	.9540	2.3800
.5900	.9977	5.1	1895.8	332.0	410.18	12.0	899.4	.1501	.9890	.5823	.9539	2.3433
.6000	.9978	5.0	1916.7	331.6	410.14	11.8	909.8	.1550	.9895	.5816	.9538	2.3060
.6100	.9979	4.9	1937.6	331.3	410.10	11.2	920.6	.1600	.9899	.5811	.9537	2.2687
.6200	.9980	4.9	1958.5	330.9	410.07	10.8	931.7	.1653	.9902	.5805	.9536	2.2313
.6300	.9981	4.8	1979.4	330.6	410.03	10.5	943.3	.1707	.9906	.5799	.9536	2.1937
.6400	.9981	4.7	2000.3	330.3	410.00	10.2	955.3	.1763	.9910	.5793	.9535	2.1561
.6500	.9982	4.6	2021.2	330.0	409.97	9.8	967.7	.1822	.9913	.5788	.9534	2.1185
.6600	.9983	4.6	2042.2	329.6	409.92	9.5	980.6	.1882	.9917	.5781	.9533	2.0804
.6700	.9984	4.5	2063.1	329.4	409.90	9.2	994.1	.1945	.9920	.5777	.9533	2.0429
.6800	.9984	4.4	2084.0	329.1	409.87	8.9	1008.0	.2010	.9924	.5772	.9532	2.0049
.6900	.9985	4.4	2104.9	328.9	409.85	8.6	1022.6	.2078	.9927	.5770	.9531	1.9673
.7000	.9986	4.3	2125.8	328.5	409.81	8.3	1037.6	.2149	.9930	.5763	.9531	1.9288
.7100	.9986	4.2	2146.7	328.2	409.78	8.0	1053.3	.2222	.9933	.5758	.9530	1.8906
.7200	.9987	4.2	2167.6	328.1	409.77	7.8	1069.9	.2299	.9936	.5756	.9530	1.8529
.7300	.9988	4.1	2188.6	327.7	409.73	7.5	1086.9	.2379	.9938	.5749	.9529	1.8141
.7400	.9988	4.1	2209.5	327.5	409.70	7.2	1104.7	.2463	.9941	.5744	.9528	1.7757
.7500	.9989	4.0	2230.4	327.4	409.69	7.0	1123.5	.2550	.9944	.5742	.9528	1.7377
.7600	.9990	4.0	2251.3	327.1	409.67	6.7	1143.1	.2641	.9947	.5738	.9527	1.6991
.7700	.9990	3.9	2272.2	326.9	409.64	6.5	1163.6	.2736	.9949	.5734	.9527	1.6608
.7800	.9991	3.9	2293.1	326.5	409.60	6.3	1184.9	.2836	.9952	.5727	.9525	1.6215
.7900	.9991	3.8	2314.0	326.2	409.57	6.0	1207.4	.2941	.9954	.5723	.9525	1.5829
.8000	.9992	3.8	2335.0	326.2	409.57	5.8	1231.4	.3052	.9956	.5723	.9525	1.5449
.8100	.9992	3.7	2355.9	326.0	409.55	5.6	1256.4	.3168	.9959	.5719	.9524	1.5061
.8200	.9993	3.7	2376.8	325.8	409.52	5.4	1282.7	.3291	.9961	.5715	.9524	1.4673
.8300	.9993	3.6	2397.7	325.5	409.49	5.2	1310.3	.3419	.9963	.5709	.9523	1.4282
.8400	.9994	3.6	2418.6	325.3	409.47	5.0	1339.7	.3556	.9965	.5706	.9523	1.3894
.8500	.9994	3.6	2439.5	325.2	409.47	4.8	1370.9	.3701	.9967	.5705	.9522	1.3508
.8600	.9995	3.5	2460.5	325.0	409.44	4.6	1403.8	.3854	.9970	.5701	.9522	1.3119
.8700	.9995	3.5	2481.4	324.7	409.41	4.4	1438.6	.4016	.9972	.5695	.9521	1.2726
.8800	.9995	3.4	2502.3	324.5	409.38	4.2	1475.8	.4189	.9974	.5691	.9521	1.2335
.8900	.9996	3.4	2523.2	324.5	409.38	4.1	1515.7	.4374	.9975	.5691	.9521	1.1948
.9000	.9996	3.4	2544.1	324.2	409.35	3.9	1558.3	.4571	.9977	.5687	.9520	1.1555
.9100	.9997	3.3	2565.0	324.1	409.35	3.7	1603.6	.4782	.9979	.5686	.9520	1.1166
.9200	.9997	3.3	2585.9	323.8	409.31	3.5	1652.1	.5008	.9981	.5680	.9519	1.0772
.9300	.9998	3.2	2606.9	323.6	409.29	3.4	1704.4	.5251	.9983	.5676	.9518	1.0380
.9400	.9998	3.2	2627.8	323.5	409.27	3.2	1761.2	.5514	.9985	.5674	.9518	.9989
.9500	.9998	3.2	2648.7	323.5	409.27	3.1	1822.7	.5800	.9986	.5674	.9518	.9599
.9600	.9999	3.1	2669.6	323.2	409.25	2.9	1889.1	.6108	.9988	.5669	.9517	.9204
.9700	.9999	3.1	2690.5	323.1	409.24	2.7	1961.8	.6446	.9990	.5668	.9517	.8813
.9800	.9999	3.1	2711.4	323.0	409.23	2.6	2041.3	.6814	.9991	.5666	.9517	.8420
.9900	1.0000	3.1	2732.3	322.7	409.20	2.4	2128.2	.7219	.9993	.5661	.9516	.8025
1.0000	1.0000	3.0	2753.3	322.7	409.19	2.3	2224.7	.7665	.9994	.5660	.9516	.7633

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 440 K (PSAT 733.5 KPA))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
0.0000	0.0000	900.5	705.3	553.9	428.89	443.1	664.1	.0034	.5155	.7551	.9747	.4920
.0100	.7635	269.7	725.9	563.6	429.56	373.9	669.8	.0047	.5914	.7684	.9763	1.3864
.0200	.8274	158.6	746.5	557.7	429.15	309.1	671.4	.0063	.6629	.7604	.9754	1.9489
.0300	.8790	112.1	767.1	549.0	428.55	260.3	672.2	.0080	.7167	.7485	.9740	2.3179
.0400	.9073	89.0	787.7	540.3	427.94	223.8	673.2	.0097	.7571	.7367	.9726	2.5739
.0500	.9252	70.9	808.3	532.2	427.36	195.6	674.3	.0114	.7881	.7256	.9713	2.7582
.0600	.9378	59.9	828.8	524.8	426.83	173.4	675.6	.0131	.8127	.7155	.9701	2.8946
.0700	.9465	51.8	849.4	518.0	426.33	155.3	677.0	.0148	.8325	.7062	.9689	2.9970
.0800	.9533	45.7	870.0	512.0	425.89	140.5	678.7	.0165	.8489	.6980	.9679	3.0754
.0900	.9587	40.9	890.6	506.5	425.48	128.0	680.5	.0182	.8626	.6905	.9670	3.1350
.1000	.9631	36.9	911.2	501.3	425.10	117.4	682.5	.0199	.8743	.6835	.9661	3.1797
.1100	.9667	33.7	931.8	496.8	424.75	108.3	684.7	.0217	.8843	.6773	.9653	3.2139
.1200	.9697	31.0	952.4	492.6	424.43	100.3	687.1	.0234	.8930	.6715	.9646	3.2386
.1300	.9723	28.7	972.9	488.6	424.13	93.3	689.5	.0252	.9007	.6661	.9639	3.2553
.1400	.9745	26.7	993.5	485.1	423.86	87.2	692.2	.0270	.9074	.6613	.9633	3.2669
.1500	.9764	25.0	1014.1	481.8	423.60	81.7	695.0	.0288	.9134	.6568	.9627	3.2730
.1600	.9781	23.4	1034.7	478.6	423.35	76.7	697.8	.0307	.9189	.6524	.9622	3.2738
.1700	.9796	22.1	1055.3	475.8	423.13	72.3	700.9	.0325	.9237	.6486	.9617	3.2729
.1800	.9810	20.9	1074.9	473.0	422.91	68.2	704.0	.0345	.9282	.6448	.9612	3.2662
.1900	.9823	19.8	1096.5	470.5	422.72	64.6	707.2	.0364	.9326	.6414	.9607	3.2481
.2000	.9833	19.8	1117.1	468.2	422.55	61.2	710.6	.0384	.9368	.6383	.9603	3.2479
.2100	.9842	18.0	1137.6	466.0	422.36	58.1	714.1	.0404	.9332	.6353	.9599	3.2352
.2200	.9851	17.2	1158.2	463.8	422.19	55.3	717.7	.0424	.9433	.6324	.9595	3.2204
.2300	.9859	16.4	1178.8	461.8	422.02	52.6	721.4	.0445	.9433	.6296	.9591	3.2038
.2400	.9867	15.9	1199.4	460.0	421.88	50.2	725.3	.0466	.9479	.6271	.9588	3.1864
.2500	.9874	15.1	1220.0	458.2	421.73	47.9	729.2	.0487	.9503	.6246	.9585	3.1668
.2600	.9880	14.6	1240.6	456.6	421.60	45.8	733.3	.0509	.9525	.6225	.9582	3.1470
.2700	.9886	14.0	1261.2	454.7	421.46	43.9	737.5	.0531	.9548	.6201	.9579	3.1250
.2800	.9892	13.5	1281.7	453.4	421.34	42.0	741.8	.0554	.9569	.6181	.9576	3.1027
.2900	.9897	13.1	1302.3	451.9	421.22	40.3	746.2	.0577	.9587	.6161	.9573	3.0794
.3000	.9902	12.7	1322.8	450.6	421.11	38.7	750.8	.0601	.9604	.6143	.9571	3.0554
.3100	.9906	12.2	1343.5	449.3	421.01	37.1	755.5	.0625	.9621	.6126	.9568	3.0311
.3200	.9910	11.9	1364.1	448.1	420.91	35.7	760.3	.0650	.9637	.6109	.9566	3.0058
.3300	.9914	11.5	1384.7	446.7	420.80	34.3	765.2	.0675	.9652	.6090	.9564	2.9788
.3400	.9918	11.3	1405.3	445.5	420.70	33.0	770.3	.0701	.9666	.6074	.9561	2.9518
.3500	.9922	10.9	1425.8	444.7	420.63	31.9	775.6	.0728	.9679	.6062	.9560	2.9253
.3600	.9925	10.6	1446.4	443.5	420.53	30.6	780.9	.0755	.9692	.6046	.9557	2.8973
.3700	.9928	10.3	1467.0	442.5	420.45	29.5	786.4	.0782	.9704	.6033	.9556	2.8692
.3800	.9931	10.3	1487.6	441.5	420.36	28.5	792.1	.0810	.9716	.6019	.9554	2.8405
.3900	.9934	9.8	1508.2	440.5	420.28	27.5	797.9	.0839	.9726	.6006	.9552	2.8115
.4000	.9937	9.5	1528.8	439.9	420.22	26.5	804.0	.0869	.9737	.5996	.9551	2.7830
.4100	.9939	9.3	1549.4	438.8	420.14	25.6	810.1	.0899	.9747	.5987	.9549	2.7527
.4200	.9942	9.1	1569.9	438.1	420.08	24.7	816.4	.0931	.9756	.5973	.9547	2.7232
.4300	.9944	8.9	1590.5	437.2	420.00	23.9	822.9	.0962	.9765	.5960	.9546	2.6924
.4400	.9946	8.7	1611.1	436.5	419.95	23.1	829.6	.0995	.9774	.5951	.9544	2.6624
.4500	.9948	8.5	1631.7	435.6	419.87	22.3	836.4	.1028	.9783	.5938	.9543	2.6308
.4600	.9950	8.3	1652.3	434.9	419.81	21.6	843.5	.1063	.9791	.5929	.9541	2.5998
.4700	.9952	8.1	1672.9	434.3	419.75	20.9	850.8	.1098	.9798	.5921	.9540	2.5692
.4800	.9954	7.9	1693.5	433.4	419.71	20.2	858.3	.1135	.9806	.5912	.9539	2.5374
.4900	.9956	7.8	1714.0	432.9	419.64	19.5	865.9	.1172	.9813	.5901	.9537	2.5054
.5000	.9958	7.6	1734.6	432.4	419.60	18.9	873.9	.1210	.9820	.5893	.9536	2.4740
.5100	.9959	7.5	1755.2	431.4	419.53	18.3	882.0	.1249	.9826	.5884	.9535	2.4412
.5200	.9961	7.3	1775.8	430.9	419.48	17.7	890.4	.1290	.9833	.5875	.9534	2.4084
.5300	.9962	7.2	1796.4	430.4	419.43	17.1	899.1	.1332	.9838	.5868	.9533	2.3760
.5400	.9964	7.1	1817.0	429.8	419.38	16.5	908.0	.1375	.9845	.5859	.9531	2.3437
.5500	.9965	6.9	1837.6	429.5	419.36	16.1	917.1	.1419	.9850	.5855	.9531	2.3119
.5600	.9967	6.8	1858.1	428.8	419.29	15.5	926.7	.1464	.9856	.5846	.9529	2.2794
.5700	.9968	6.7	1878.7	428.6	419.28	15.1	936.7	.1512	.9861	.5844	.9529	2.2459
.5800	.9969	6.6	1899.3	427.9	419.22	14.6	946.8	.1560	.9865	.5834	.9528	2.2127
.5900	.9971	6.5	1919.9	427.2	419.16	14.1	957.1	.1610	.9871	.5824	.9526	2.1747
.6000	.9972	6.4	1940.5	426.8	419.13	13.7	968.0	.1661	.9876	.5819	.9526	2.1457
.6100	.9973	6.3	1961.1	426.3	419.09	13.2	979.2	.1715	.9881	.5812	.9525	2.1171
.6200	.9974	6.2	1981.7	426.1	419.06	12.8	990.8	.1770	.9885	.5809	.9524	2.0790
.6300	.9975	6.1	2002.2	425.4	419.02	12.4	1002.8	.1827	.9890	.5801	.9523	2.0453
.6400	.9976	6.0	2022.8	425.2	418.99	12.0	1015.2	.1886	.9894	.5799	.9522	2.0115
.6500	.9977	5.9	2043.4	424.6	418.94	11.6	1028.0	.1947	.9898	.5789	.9521	1.9772
.6600	.9978	5.8	2064.0	424.3	418.91	11.3	1041.4	.2011	.9902	.5784	.9521	1.9433
.6700	.9979	5.7	2084.6	423.8	418.87	10.9	1055.3	.2076	.9906	.5777	.9520	1.9090
.6800	.9980	5.6	2105.2	423.6	418.85	10.6	1069.8	.2145	.9910	.5775	.9518	1.8755
.6900	.9981	5.5	2125.8	423.1	418.80	10.2	1084.9	.2215	.9914	.5768	.9518	1.8405
.7000	.9982	5.5	2146.3	422.8	418.77	9.9	1099.9	.2288	.9917	.5762	.9517	1.8063
.7100	.9983	5.4	2166.9	422.3	418.74	9.6	1116.1	.2365	.9921	.5758	.9517	1.7722
.7200	.9983	5.3	2187.5	422.2	418.73	9.3	1133.1	.2445	.9924	.5756	.9517	1.7392
.7300	.9984	5.2	2208.1	421.7	418.69	8.9	1150.5	.2527	.9928	.5749	.9516	1.7034
.7400	.9985	5.2	2228.7	421.3	418.66	8.6	1168.8	.2614	.9931	.5744	.9515	1.6688
.7500	.9986	5.1	2249.3	421.2	418.64	8.3	1188.0	.2704	.9934	.5742	.9515	1.6344
.7600	.9987	5.0	2269.9	420.6	418.59	8.1	1207.7	.2798	.9937	.5734	.9513	1.5993
.7700	.9987	5.0	2290.4	420.4	418.57	7.8	1228.6	.2894	.9940	.5731	.9513	1.5644
.7800	.9988	4.9	2311.0	420.1	418.55	7.5	1250.4	.2995	.9943	.5728	.9512	1.5301
.7900	.9989	4.8	2331.6	419.8	418.52	7.2	1273.2	.3107	.9946	.5723	.9511	1.4951
.8000	.9989	4.8	2352.2	419.5	418.49	7.0	1297.2	.3220	.9949	.5719	.9511	1.4602
.8100	.9990	4.7	2372.8	419.2	418.47	6.7	1322.4	.3339	.9951	.5715	.9511	1.4253
.8200	.9991	4.7	2393.4	418.9	418.44	6.5	1348.8	.3463	.9954	.5711	.9510	1.3903
.8300	.9991	4.6	2414.0	418.7	418.43	6.3	1376.8	.3595	.9957	.5708	.9510	1.3554
.8400	.9992	4.6	2434.5	418.4	418.40	6.0	1406.1	.3733	.9959	.5704	.9509	1.3203
.8500	.9992	4.5	2455.1	418.0	418.37	5.8	1437.0	.3879	.9962	.5699	.9508	1.2851
.8600	.9993	4.5	2475.7	418.0	418.37	5.5	1470.1	.4034	.9964	.5699	.9508	1.2503
.8700	.9994	4.4	2496.3	417.6	418.33	5.3	1504.6	.4197	.9966	.5693	.9508	1.2149
.8800	.9994	4.4	2516.9	417.4	418.31	5.1	1541.5	.4371	.9969	.5690	.9507	1.1797
.8900	.9995	4.3	2537.5	417.3	418.31	4.9	1580.9	.4556	.9971	.5689	.9507	1.1447
.9000	.9995	4.3	2558.1	417.0	418.28	4.7	1622.4	.4751	.9973	.5685	.9506	1.1091
.9100	.9996	4.2	2578.6	416.7	418.25	4.5	1666.7	.4960	.9975	.5681	.9506	1.0738
.9200	.9996	4.2	2599.2	416.6	418.24	4.3	1714.4	.5184	.9977	.5680	.9506	1.0386
.9300	.9997	4.1	2619.8	416.2	418.21	4.1	1765.0	.5422	.9979	.5674	.9505	1.0033
.9400	.9997	4.1	2640.4	416.2	418.21	3.9	1820.0	.5681	.9982	.5674	.9505	.9673
.9500	.9998	4.0	2661.0	415.9	418.17	3.8	1878.6	.5956	.9983	.5668	.9504	.9321
.9600	.9998	4.0	2681.6	415.5	418.14	3.6	1942.0	.6255	.9985	.5664	.9503	.8965
.9700	.9999	4.0	2702.2	415.3	418.13	3.4	2011.0	.6579	.9987	.5662	.9503	.8611
.9800	.9999	3.9	2722.7	415.3	418.13	3.2	2086.2	.6932	.9989	.5662	.9503	.8257
.9900	1.0000	3.9	2743.3	415.0	418.10	3.1	2167.6	.7315	.9991	.5659	.9502	.7900
1.0000	1.0000	3.8	2763.9	414.9	418.09	2.9	2257.3	.7735	.9993	.5656	.9502	.7544

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 450 K (PSAT 932.0 KPA))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
0.0000	0.0000	890.2	749.2	694.3	437.78	448.3	704.2	.0041	.5076	.7450	.9729	.3013
.0100	.6514	313.5	749.5	706.4	438.47	384.7	710.1	.0055	.5759	.7578	.9744	1.2270
.0200	.7906	190.2	789.7	701.2	438.18	325.3	712.3	.0073	.6421	.7523	.9737	1.7097
.0300	.8512	136.6	809.9	692.1	437.65	278.5	713.8	.0090	.6943	.7426	.9726	2.0394
.0400	.8851	106.5	830.2	682.5	437.09	242.3	715.1	.0109	.7347	.7323	.9713	2.2751
.0500	.9068	87.3	850.4	673.2	436.54	213.7	716.5	.0127	.7666	.7223	.9701	2.4483
.0600	.9219	74.0	870.7	664.7	436.03	190.8	718.0	.0145	.7921	.7131	.9690	2.5797
.0700	.9330	64.1	890.9	656.7	435.55	171.9	719.8	.0163	.8131	.7046	.9679	2.6799
.0800	.9415	56.6	911.2	649.5	435.11	156.2	721.7	.0181	.8306	.6969	.9669	2.7579
.0900	.9482	50.7	931.4	642.8	434.70	142.9	723.8	.0200	.8454	.6897	.9660	2.8181
.1000	.9536	45.9	951.6	636.7	434.32	131.5	726.0	.0219	.8581	.6832	.9652	2.8650
.1100	.9581	41.9	971.9	631.2	433.98	121.6	728.5	.0238	.8690	.6772	.9644	2.9014
.1200	.9619	38.6	992.1	626.0	433.65	113.0	731.0	.0257	.8786	.6717	.9637	2.9289
.1300	.9651	35.9	1012.4	621.3	433.35	105.4	733.7	.0276	.8870	.6666	.9630	2.9492
.1400	.9679	33.3	1032.6	616.8	433.07	98.6	736.6	.0295	.8945	.6618	.9624	2.9633
.1500	.9703	31.1	1052.9	612.6	432.80	92.5	739.5	.0315	.9013	.6572	.9618	2.9721
.1600	.9724	29.3	1073.1	608.8	432.56	87.1	742.7	.0335	.9073	.6532	.9612	2.9775
.1700	.9743	27.6	1093.3	605.4	432.32	82.2	745.8	.0355	.9127	.6492	.9607	2.9783
.1800	.9760	26.1	1113.6	601.7	432.10	77.7	749.2	.0376	.9177	.6456	.9602	2.9764
.1900	.9775	24.8	1133.8	598.7	431.90	73.6	752.7	.0396	.9222	.6424	.9598	2.9724
.2000	.9788	23.6	1154.1	595.7	431.71	69.8	756.3	.0418	.9263	.6392	.9594	2.9653
.2100	.9801	22.5	1174.3	592.9	431.52	66.4	760.0	.0439	.9301	.6361	.9589	2.9561
.2200	.9812	21.5	1194.6	590.3	431.35	63.2	763.9	.0461	.9337	.6333	.9586	2.9451
.2300	.9822	20.6	1214.8	587.8	431.19	60.3	767.8	.0483	.9369	.6307	.9582	2.9325
.2400	.9832	19.7	1235.0	585.4	431.03	57.5	771.9	.0506	.9399	.6281	.9578	2.9184
.2500	.9840	18.9	1255.3	583.1	430.88	55.0	776.1	.0529	.9427	.6256	.9575	2.9026
.2600	.9848	18.2	1275.5	580.9	430.73	52.6	780.4	.0553	.9454	.6232	.9572	2.8855
.2700	.9856	17.6	1295.8	579.0	430.60	50.4	784.9	.0576	.9478	.6212	.9569	2.8682
.2800	.9863	17.0	1316.0	577.0	430.47	48.3	789.4	.0601	.9501	.6191	.9566	2.8493
.2900	.9869	16.4	1336.3	575.2	430.35	46.4	794.1	.0626	.9522	.6172	.9563	2.8299
.3000	.9875	15.8	1356.5	573.3	430.22	44.5	798.9	.0651	.9543	.6151	.9560	2.8098
.3100	.9881	15.3	1376.7	571.7	430.11	42.8	803.9	.0677	.9562	.6134	.9557	2.7899
.3200	.9886	14.9	1397.0	570.1	430.00	41.1	808.9	.0704	.9580	.6116	.9556	2.7657
.3300	.9891	14.4	1417.2	568.5	429.89	39.6	814.2	.0731	.9597	.6100	.9553	2.7431
.3400	.9896	14.0	1437.5	567.1	429.80	38.1	819.6	.0758	.9613	.6085	.9551	2.7204
.3500	.9901	13.6	1457.7	565.8	429.71	36.7	825.1	.0786	.9628	.6070	.9549	2.6968
.3600	.9905	13.2	1478.0	564.2	429.60	35.4	830.7	.0815	.9643	.6054	.9547	2.6720
.3700	.9909	12.9	1498.2	563.0	429.51	34.1	836.5	.0844	.9657	.6040	.9545	2.6474
.3800	.9913	12.6	1518.4	561.7	429.43	32.8	842.4	.0873	.9670	.6026	.9543	2.6224
.3900	.9916	12.2	1538.7	560.5	429.35	31.8	848.6	.0903	.9683	.6014	.9541	2.5970
.4000	.9920	11.9	1558.9	559.3	429.26	30.7	854.8	.0937	.9695	.6001	.9539	2.5711
.4100	.9923	11.6	1579.2	558.2	429.19	29.6	861.3	.0969	.9706	.5989	.9538	2.5450
.4200	.9926	11.4	1599.4	557.1	429.11	28.6	867.9	.1003	.9717	.5978	.9536	2.5185
.4300	.9929	11.1	1619.7	556.0	429.04	27.7	874.7	.1036	.9728	.5966	.9534	2.4916
.4400	.9932	10.9	1639.9	555.0	428.97	26.8	881.7	.1071	.9738	.5955	.9533	2.4645
.4500	.9934	10.6	1660.1	554.2	428.91	25.9	889.0	.1107	.9747	.5946	.9531	2.4376
.4600	.9937	10.4	1680.4	553.0	428.83	25.0	896.2	.1143	.9757	.5934	.9530	2.4093
.4700	.9939	10.2	1700.6	552.2	428.77	24.2	903.9	.1181	.9765	.5925	.9528	2.3817
.4800	.9942	10.0	1720.9	551.6	428.72	23.5	911.8	.1219	.9774	.5917	.9527	2.3541
.4900	.9944	9.8	1741.1	550.5	428.65	22.7	919.7	.1259	.9782	.5906	.9526	2.3254
.5000	.9946	9.6	1761.4	549.7	428.59	22.0	928.0	.1299	.9790	.5897	.9524	2.2970
.5100	.9948	9.4	1781.6	548.9	428.54	21.3	936.5	.1341	.9798	.5889	.9523	2.2683
.5200	.9950	9.2	1801.8	548.3	428.50	20.6	945.4	.1384	.9805	.5883	.9522	2.2401
.5300	.9952	9.0	1822.1	547.3	428.43	20.0	954.3	.1428	.9812	.5872	.9521	2.2104
.5400	.9954	8.9	1842.3	546.6	428.38	19.4	963.6	.1473	.9819	.5864	.9520	2.1813
.5500	.9956	8.7	1862.6	546.0	428.34	18.8	973.2	.1520	.9826	.5858	.9519	2.1524
.5600	.9958	8.6	1882.8	545.4	428.30	18.2	983.1	.1568	.9832	.5852	.9518	2.1230
.5700	.9959	8.4	1903.1	544.6	428.24	17.6	993.2	.1617	.9838	.5843	.9516	2.0931
.5800	.9961	8.3	1923.3	543.8	428.19	17.1	1003.7	.1668	.9844	.5835	.9515	2.0632
.5900	.9963	8.1	1943.5	543.2	428.14	16.5	1014.5	.1720	.9850	.5828	.9514	2.0333
.6000	.9964	8.0	1963.8	542.8	428.12	16.0	1025.9	.1778	.9856	.5824	.9514	2.0040
.6100	.9966	7.9	1984.0	542.5	428.09	15.5	1037.5	.1831	.9861	.5820	.9513	1.9744
.6200	.9967	7.7	2004.3	541.5	428.02	15.0	1049.3	.1888	.9866	.5812	.9512	1.9433
.6300	.9968	7.6	2024.5	540.8	427.97	14.6	1061.6	.1948	.9871	.5803	.9511	1.9128
.6400	.9970	7.5	2044.8	540.3	427.94	14.1	1074.4	.2009	.9876	.5797	.9510	1.8825
.6500	.9971	7.4	2065.0	539.8	427.90	13.7	1087.6	.2073	.9881	.5791	.9509	1.8520
.6600	.9972	7.3	2085.2	539.2	427.86	13.2	1101.3	.2139	.9886	.5785	.9508	1.8214
.6700	.9973	7.2	2105.5	538.7	427.83	12.8	1115.6	.2207	.9890	.5780	.9507	1.7908
.6800	.9975	7.1	2125.7	538.1	427.78	12.4	1130.2	.2278	.9895	.5773	.9506	1.7598
.6900	.9976	7.0	2146.0	537.9	427.77	12.0	1145.7	.2352	.9899	.5771	.9506	1.7295
.7000	.9977	6.9	2166.2	537.2	427.72	11.6	1161.4	.2428	.9903	.5764	.9505	1.6982
.7100	.9978	6.8	2186.5	536.7	427.68	11.3	1177.9	.2507	.9907	.5759	.9504	1.6673
.7200	.9979	6.7	2206.7	536.3	427.65	10.9	1195.1	.2589	.9911	.5754	.9503	1.6362
.7300	.9980	6.6	2226.9	535.8	427.62	10.6	1212.9	.2675	.9915	.5749	.9503	1.6051
.7400	.9981	6.5	2247.2	535.5	427.59	10.2	1231.5	.2764	.9919	.5745	.9502	1.5742
.7500	.9982	6.4	2267.4	535.2	427.57	9.9	1251.0	.2857	.9923	.5742	.9502	1.5431
.7600	.9983	6.3	2287.7	534.5	427.52	9.6	1271.0	.2953	.9926	.5734	.9500	1.5119
.7700	.9984	6.2	2307.9	534.2	427.50	9.2	1292.1	.3054	.9930	.5731	.9500	1.4801
.7800	.9985	6.1	2328.2	533.7	427.47	8.9	1314.1	.3159	.9933	.5725	.9499	1.4488
.7900	.9986	6.1	2348.4	533.4	427.44	8.6	1337.1	.3269	.9936	.5723	.9499	1.4173
.8000	.9987	6.0	2368.6	533.2	427.43	8.3	1361.4	.3385	.9940	.5721	.9498	1.3860
.8100	.9987	5.9	2388.9	532.8	427.40	8.0	1386.8	.3506	.9943	.5717	.9498	1.3544
.8200	.9988	5.9	2409.1	532.5	427.38	7.8	1413.1	.3632	.9946	.5713	.9497	1.3227
.8300	.9989	5.8	2429.4	532.4	427.35	7.5	1441.0	.3765	.9949	.5709	.9497	1.2911
.8400	.9990	5.7	2449.6	531.7	427.33	7.2	1470.2	.3905	.9952	.5705	.9496	1.2594
.8500	.9990	5.7	2469.9	531.2	427.29	6.9	1500.9	.4051	.9955	.5699	.9495	1.2274
.8600	.9991	5.6	2490.1	530.8	427.26	6.7	1533.3	.4206	.9958	.5695	.9495	1.1955
.8700	.9992	5.5	2510.3	530.6	427.24	6.4	1567.7	.4370	.9960	.5692	.9494	1.1634
.8800	.9993	5.5	2530.6	530.1	427.21	6.2	1603.8	.4543	.9963	.5688	.9494	1.1318
.8900	.9993	5.4	2550.8	530.1	427.21	5.9	1642.5	.4727	.9965	.5688	.9494	1.1002
.9000	.9994	5.3	2571.1	529.6	427.17	5.7	1683.1	.4920	.9968	.5683	.9493	1.0680
.9100	.9995	5.3	2591.3	529.3	427.15	5.5	1726.4	.5127	.9971	.5679	.9492	1.0360
.9200	.9995	5.2	2611.5	529.2	427.14	5.3	1772.7	.5348	.9973	.5678	.9492	1.0042
.9300	.9996	5.2	2631.8	528.6	427.10	5.0	1821.7	.5581	.9976	.5673	.9491	.9719
.9400	.9997	5.1	2652.0	528.4	427.08	4.8	1874.3	.5832	.9979	.5669	.9491	.9399
.9500	.9997	5.1	2672.3	528.3	427.08	4.6	1930.9	.6101	.9980	.5668	.9491	.9079
.9600	.9998	5.0	2692.5	527.8	427.04	4.4	1991.2	.6399	.9983	.5663	.9490	.8755
.9700	.9998	5.0	2712.8	527.7	427.04	4.2	2056.7	.6700	.9985	.5662	.9490	.8436
.9800	.9999	4.9	2733.0	527.3	427.01	4.0	2126.9	.7035	.9987	.5657	.9489	.8112
.9900	.9999	4.9	2753.2	527.2	427.00	3.9	2203.5	.7400	.9989	.5656	.9489	.7791
1.0000	1.0000	4.8	2773.5	527.2	427.00	3.8	2286.9	.7797	.9991	.5656	.9489	.7470

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 460 K (PSAT 1170.8 KPA))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
0.0000	0.0000	879.5	793.5	861.2	446.64	449.0	744.6	.0050	.5001	.7356	.9710	.5105
.0100	.5975	357.6	813.4	875.3	447.33	393.7	750.6	.0065	.5620	.7476	.9725	1.1010
.0200	.7500	224.4	833.3	871.1	447.13	339.5	755.4	.0083	.6233	.7441	.9720	1.5128
.0300	.8197	163.5	853.1	862.1	446.69	299.2	759.2	.0102	.6730	.7363	.9710	1.8056
.0400	.8596	128.6	873.0	851.5	446.17	269.7	757.1	.0121	.7131	.7273	.9699	2.0196
.0500	.8855	106.0	892.9	841.3	445.66	231.2	758.8	.0141	.7453	.7186	.9688	2.1813
.0600	.9037	90.1	912.8	831.6	445.18	207.8	760.7	.0160	.7716	.7103	.9678	2.3060
.0700	.9171	78.4	932.7	822.4	444.71	188.4	762.7	.0180	.7935	.7025	.9668	2.4028
.0800	.9274	69.4	952.6	813.9	444.28	172.0	764.9	.0200	.8119	.6952	.9658	2.4780
.0900	.9356	62.2	972.4	806.2	443.89	158.0	767.3	.0220	.8277	.6886	.9650	2.5395
.1000	.9423	56.4	992.3	799.0	443.51	145.9	769.8	.0240	.8412	.6825	.9642	2.5875
.1100	.9478	51.5	1012.2	792.2	443.16	135.3	772.4	.0260	.8531	.6767	.9634	2.6248
.1200	.9525	47.5	1032.1	786.0	442.84	126.1	775.2	.0280	.8635	.6714	.9627	2.6543
.1300	.9564	44.0	1052.0	780.3	442.54	117.9	778.1	.0301	.8727	.6665	.9620	2.6770
.1400	.9599	41.0	1071.9	774.8	442.24	110.5	781.2	.0322	.8809	.6618	.9614	2.6934
.1500	.9629	38.4	1091.7	769.8	441.98	103.9	784.4	.0343	.8883	.6575	.9608	2.7053
.1600	.9655	36.1	1111.6	765.1	441.73	98.0	787.7	.0364	.8950	.6535	.9603	2.7132
.1700	.9678	34.1	1131.5	760.8	441.49	92.6	791.2	.0386	.9010	.6499	.9598	2.7178
.1800	.9699	32.2	1151.4	756.5	441.26	87.7	794.7	.0408	.9065	.6462	.9593	2.7185
.1900	.9718	30.6	1171.3	752.6	441.05	83.2	798.4	.0431	.9115	.6429	.9588	2.7170
.2000	.9735	29.1	1191.2	749.1	440.86	79.0	802.3	.0453	.9161	.6398	.9584	2.7134
.2100	.9750	27.8	1211.0	745.6	440.67	75.2	806.2	.0476	.9204	.6369	.9580	2.7074
.2200	.9764	26.6	1230.9	742.4	440.49	71.7	810.3	.0500	.9243	.6341	.9576	2.6996
.2300	.9777	25.4	1250.8	739.2	440.32	68.4	814.5	.0524	.9280	.6314	.9572	2.6900
.2400	.9789	24.4	1270.7	736.2	440.15	65.4	818.8	.0548	.9314	.6289	.9569	2.6789
.2500	.9800	23.5	1290.6	733.3	439.99	62.5	823.2	.0573	.9345	.6264	.9565	2.6663
.2600	.9810	22.6	1310.5	730.8	439.85	59.9	827.8	.0598	.9375	.6242	.9562	2.6532
.2700	.9819	21.8	1330.4	728.2	439.71	57.4	832.4	.0623	.9402	.6220	.9559	2.6385
.2800	.9828	21.0	1350.2	725.7	439.56	55.1	837.2	.0649	.9428	.6198	.9556	2.6225
.2900	.9836	20.3	1370.1	723.4	439.44	52.9	842.2	.0676	.9453	.6179	.9553	2.6061
.3000	.9844	19.6	1390.0	721.1	439.32	50.8	847.3	.0703	.9475	.6161	.9550	2.5893
.3100	.9851	19.0	1409.9	719.0	439.19	48.9	852.4	.0731	.9497	.6142	.9548	2.5707
.3200	.9857	18.4	1429.8	717.1	439.08	47.1	857.8	.0759	.9518	.6124	.9545	2.5524
.3300	.9864	17.9	1449.7	715.3	438.98	45.3	863.3	.0788	.9537	.6109	.9543	2.5331
.3400	.9870	17.4	1469.5	713.2	438.86	43.6	868.9	.0817	.9555	.6092	.9540	2.5127
.3500	.9875	16.9	1489.4	711.5	438.77	42.1	874.7	.0847	.9573	.6079	.9538	2.4925
.3600	.9880	16.4	1509.3	709.7	438.66	40.6	880.6	.0878	.9589	.6062	.9536	2.4711
.3700	.9885	16.0	1529.2	708.2	438.57	39.2	886.7	.0909	.9605	.6049	.9534	2.4500
.3800	.9890	15.6	1549.1	706.5	438.48	37.8	893.0	.0941	.9620	.6034	.9532	2.4278
.3900	.9895	15.2	1569.0	704.7	438.38	36.5	899.3	.0974	.9635	.6020	.9530	2.4050
.4000	.9899	14.8	1588.8	703.5	438.31	35.3	905.9	.1007	.9648	.6009	.9528	2.3830
.4100	.9903	14.5	1608.7	702.0	438.22	34.1	912.6	.1042	.9661	.5996	.9527	2.3597
.4200	.9907	14.1	1628.6	700.6	438.14	33.0	919.5	.1077	.9674	.5984	.9525	2.3363
.4300	.9911	13.8	1648.5	699.5	438.08	32.0	926.7	.1113	.9686	.5975	.9523	2.3131
.4400	.9914	13.5	1668.4	698.0	437.99	30.9	934.1	.1149	.9697	.5962	.9522	2.2897
.4500	.9918	13.2	1688.3	697.0	437.93	29.9	941.5	.1187	.9708	.5953	.9520	2.2649
.4600	.9921	12.9	1708.1	695.7	437.86	28.9	949.2	.1226	.9719	.5942	.9519	2.2403
.4700	.9924	12.6	1728.0	694.5	437.79	28.0	957.0	.1265	.9729	.5932	.9517	2.2156
.4800	.9927	12.4	1747.9	693.4	437.73	27.1	965.2	.1306	.9739	.5923	.9516	2.1905
.4900	.9930	12.1	1767.8	692.4	437.67	26.3	973.6	.1347	.9748	.5914	.9514	2.1655
.5000	.9932	11.9	1787.7	691.3	437.60	25.4	982.1	.1390	.9757	.5904	.9513	2.1399
.5100	.9935	11.7	1807.6	690.2	437.54	24.6	990.9	.1434	.9766	.5896	.9512	2.1144
.5200	.9938	11.4	1827.5	689.1	437.47	23.9	1000.0	.1479	.9775	.5886	.9510	2.0883
.5300	.9940	11.2	1847.3	688.3	437.43	23.2	1009.4	.1525	.9783	.5879	.9509	2.0627
.5400	.9942	11.0	1867.2	687.1	437.36	22.4	1018.9	.1573	.9791	.5869	.9508	2.0362
.5500	.9945	10.8	1887.1	686.2	437.31	21.7	1028.8	.1621	.9798	.5861	.9507	2.0099
.5600	.9947	10.6	1907.0	685.5	437.27	21.1	1039.1	.1672	.9806	.5853	.9506	1.9839
.5700	.9949	10.4	1926.9	684.5	437.21	20.4	1049.5	.1724	.9813	.5847	.9504	1.9571
.5800	.9951	10.3	1946.8	683.8	437.17	19.8	1060.4	.1777	.9820	.5841	.9504	1.9307
.5900	.9953	10.1	1966.6	682.8	437.10	19.2	1071.5	.1832	.9826	.5832	.9502	1.9035
.6000	.9955	9.9	1986.5	682.0	437.06	18.6	1083.0	.1888	.9833	.5825	.9501	1.8765
.6100	.9957	9.8	2006.4	681.4	437.02	18.1	1095.0	.1947	.9839	.5820	.9501	1.8499
.6200	.9958	9.6	2026.3	680.7	436.98	17.5	1107.3	.2007	.9845	.5814	.9500	1.8229
.6300	.9960	9.5	2046.2	679.9	436.94	17.0	1120.0	.2069	.9851	.5808	.9499	1.7955
.6400	.9962	9.3	2066.1	679.0	436.88	16.5	1133.0	.2133	.9857	.5800	.9497	1.7678
.6500	.9963	9.2	2085.9	678.3	436.84	16.0	1146.5	.2199	.9862	.5794	.9497	1.7404
.6600	.9965	9.0	2105.8	677.6	436.80	15.5	1160.6	.2268	.9868	.5788	.9496	1.7128
.6700	.9967	8.9	2125.7	676.8	436.75	15.0	1175.0	.2338	.9873	.5781	.9495	1.6850
.6800	.9968	8.8	2145.6	676.5	436.73	14.5	1190.0	.2412	.9878	.5778	.9494	1.6577
.6900	.9970	8.6	2165.5	675.9	436.70	14.1	1205.8	.2488	.9883	.5773	.9493	1.6300
.7000	.9971	8.5	2185.4	675.2	436.66	13.7	1221.9	.2566	.9888	.5768	.9493	1.6020
.7100	.9972	8.4	2205.2	674.4	436.61	13.2	1238.6	.2648	.9892	.5761	.9492	1.5738
.7200	.9974	8.3	2225.1	674.1	436.59	12.8	1256.1	.2733	.9897	.5759	.9491	1.5461
.7300	.9975	8.2	2245.0	673.3	436.54	12.4	1274.1	.2820	.9901	.5751	.9490	1.5179
.7400	.9976	8.1	2264.9	672.0	436.52	12.0	1293.0	.2912	.9905	.5748	.9490	1.4898
.7500	.9977	8.0	2284.8	672.2	436.48	11.6	1312.4	.3006	.9910	.5741	.9489	1.4613
.7600	.9979	7.9	2304.7	671.6	436.44	11.3	1332.7	.3105	.9914	.5736	.9488	1.4329
.7700	.9980	7.8	2324.5	671.4	436.43	10.9	1354.0	.3209	.9918	.5734	.9488	1.4050
.7800	.9981	7.7	2344.4	670.4	436.37	10.5	1376.0	.3318	.9922	.5727	.9488	1.3765
.7900	.9982	7.6	2364.3	670.1	436.35	10.2	1399.1	.3431	.9926	.5724	.9488	1.3479
.8000	.9983	7.5	2384.2	669.5	436.32	9.9	1423.2	.3544	.9930	.5719	.9487	1.3192
.8100	.9984	7.4	2404.1	669.1	436.29	9.5	1448.4	.3668	.9933	.5715	.9485	1.2905
.8200	.9985	7.3	2424.0	668.8	436.28	9.2	1475.0	.3795	.9937	.5713	.9484	1.2623
.8300	.9986	7.2	2443.9	668.4	436.25	8.9	1502.8	.3929	.9940	.5708	.9484	1.2334
.8400	.9987	7.1	2463.7	667.9	436.22	8.6	1531.6	.4069	.9944	.5705	.9483	1.2049
.8500	.9988	7.0	2483.6	667.5	436.20	8.3	1562.1	.4217	.9947	.5701	.9483	1.1761
.8600	.9989	7.0	2503.5	667.0	436.17	8.0	1594.1	.4372	.9950	.5697	.9482	1.1473
.8700	.9990	6.9	2523.4	666.3	436.13	7.7	1627.7	.4534	.9954	.5691	.9481	1.1183
.8800	.9991	6.8	2543.3	665.9	436.10	7.4	1663.2	.4705	.9957	.5689	.9480	1.0893
.8900	.9992	6.7	2563.2	665.5	436.08	7.1	1700.8	.4888	.9960	.5685	.9480	1.0604
.9000	.9992	6.6	2583.0	665.0	436.05	6.9	1740.4	.5079	.9963	.5680	.9479	1.0313
.9100	.9993	6.6	2602.9	665.0	436.05	6.6	1782.7	.5284	.9966	.5680	.9479	1.0026
.9200	.9994	6.5	2622.8	664.3	436.00	6.3	1827.1	.5498	.9969	.5674	.9478	.9733
.9300	.9995	6.4	2642.7	663.9	435.98	6.1	1874.5	.5727	.9971	.5671	.9478	.9443
.9400	.9996	6.4	2662.6	663.8	435.98	5.8	1925.1	.5972	.9974	.5670	.9478	.9154
.9500	.9996	6.3	2682.5	663.1	435.94	5.6	1978.7	.6231	.9977	.5664	.9477	.8860
.9600	.9997	6.2	2702.3	662.7	435.91	5.3	2036.1	.6508	.9979	.5660	.9476	.8564
.9700	.9998	6.2	2722.2	662.4	435.89	5.1	2097.8	.6806	.9982	.5658	.9476	.8276
.9800	.9999	6.1	2742.1	662.1	435.87	4.9	2164.1	.7124	.9985	.5655	.9476	.7984
.9900	.9999	6.0	2762.0	662.0	435.87	4.6	2235.5	.7471	.9987	.5654	.9475	.7693
1.0000	1.0000	6.0	2781.9	661.4	435.83	4.4	2312.4	.7842	.9989	.5649	.9475	.7398

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 470 K (PSAT 1455.0 KPA))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
0.0000	0.0000	868.3	838.2	1057.5	455.48	451.0	785.3	.0059	.4930	.7268	.9691	.5194
.0100	.5432	400.6	857.7	1073.5	456.14	401.2	791.5	.0075	.5494	.7378	.9705	1.0014
.0200	.7061	280.4	877.2	1070.7	455.02	351.9	794.8	.0095	.6056	.7358	.9703	1.3513
.0300	.7848	192.9	896.7	1061.5	455.64	310.2	797.2	.0115	.6532	.7296	.9695	1.6083
.0400	.8307	153.2	916.2	1050.7	455.19	276.0	799.3	.0135	.6923	.7221	.9685	1.8020
.0500	.8610	127.0	935.7	1039.5	454.73	247.8	801.4	.0156	.7244	.7145	.9675	1.9511
.0600	.8826	108.5	955.2	1028.6	454.26	224.3	803.6	.0177	.7512	.7069	.9665	2.0676
.0700	.8986	94.7	974.7	1017.4	453.83	204.6	806.0	.0198	.7737	.7000	.9656	2.1605
.0800	.9110	84.0	994.3	1008.8	453.41	187.7	808.4	.0219	.7930	.6933	.9647	2.2345
.0900	.9209	75.5	1013.8	999.8	453.02	173.1	811.0	.0241	.8098	.6871	.9639	2.2939
.1000	.9290	68.5	1033.3	991.2	452.69	160.4	813.7	.0262	.8240	.6819	.9631	2.3415
.1100	.9357	62.7	1052.8	983.4	452.31	149.3	816.6	.0284	.8366	.6759	.9624	2.3800
.1200	.9414	57.9	1072.3	976.1	451.99	139.4	819.6	.0306	.8478	.6709	.9617	2.4107
.1300	.9462	53.7	1091.8	969.2	451.68	130.7	822.8	.0328	.8577	.6661	.9610	2.4347
.1400	.9504	50.1	1111.3	962.9	451.40	122.9	826.1	.0350	.8666	.6614	.9604	2.4538
.1500	.9541	46.9	1130.9	956.9	451.13	115.8	829.5	.0373	.8746	.6577	.9599	2.4679
.1600	.9573	44.1	1150.3	951.3	450.88	109.4	833.1	.0396	.8819	.6538	.9593	2.4780
.1700	.9602	41.7	1169.8	946.0	450.64	103.5	836.8	.0419	.8885	.6502	.9588	2.4848
.1800	.9627	39.4	1189.3	940.8	450.40	98.1	840.5	.0443	.8946	.6466	.9583	2.4900
.1900	.9651	37.5	1208.8	936.2	450.19	93.3	844.5	.0467	.9001	.6435	.9579	2.4894
.2000	.9671	35.7	1228.3	931.8	449.99	88.7	848.5	.0491	.9052	.6404	.9574	2.4983
.2100	.9690	34.0	1247.9	927.8	449.79	84.6	852.7	.0515	.9099	.6375	.9570	2.4848
.2200	.9708	32.5	1267.4	923.5	449.61	80.7	857.0	.0541	.9143	.6347	.9566	2.4798
.2300	.9724	31.2	1286.9	919.7	449.43	77.1	861.4	.0566	.9183	.6321	.9562	2.4730
.2400	.9738	29.9	1306.4	916.1	449.26	73.8	865.9	.0592	.9221	.6296	.9559	2.4648
.2500	.9752	28.8	1325.9	912.6	449.10	70.6	870.6	.0618	.9254	.6272	.9555	2.4552
.2600	.9764	27.7	1345.4	909.3	448.95	67.7	875.4	.0645	.9289	.6250	.9552	2.4445
.2700	.9776	26.7	1364.9	906.3	448.80	65.0	880.3	.0672	.9320	.6229	.9549	2.4329
.2800	.9786	25.8	1384.4	903.2	448.66	62.4	885.3	.0700	.9349	.6208	.9546	2.4200
.2900	.9796	24.9	1403.9	900.1	448.51	59.9	890.5	.0728	.9377	.6187	.9543	2.4060
.3000	.9806	24.1	1423.4	897.6	448.39	57.7	895.8	.0757	.9402	.6169	.9540	2.3919
.3100	.9814	23.4	1442.9	894.7	448.26	55.5	901.2	.0787	.9427	.6149	.9537	2.3763
.3200	.9823	22.6	1462.4	892.4	448.15	53.4	906.9	.0817	.9450	.6133	.9535	2.3607
.3300	.9830	22.0	1482.0	890.0	448.03	51.5	912.6	.0847	.9472	.6117	.9533	2.3441
.3400	.9838	21.3	1501.5	887.5	447.91	49.7	918.4	.0878	.9492	.6100	.9530	2.3267
.3500	.9845	20.7	1521.0	885.5	447.82	47.9	924.5	.0910	.9512	.6086	.9528	2.3095
.3600	.9851	20.2	1540.5	883.1	447.70	46.2	930.7	.0943	.9531	.6069	.9526	2.2908
.3700	.9857	19.6	1560.0	881.2	447.61	44.7	937.0	.0976	.9549	.6056	.9524	2.2724
.3800	.9863	19.1	1579.5	879.2	447.53	43.1	943.5	.1010	.9566	.6042	.9522	2.2533
.3900	.9869	18.7	1599.0	877.1	447.42	41.8	950.2	.1044	.9582	.6028	.9520	2.2338
.4000	.9874	18.2	1618.5	875.3	447.33	40.5	957.0	.1080	.9597	.6016	.9518	2.2137
.4100	.9879	17.8	1638.0	874.1	447.27	39.3	964.2	.1116	.9612	.6008	.9516	2.1946
.4200	.9884	17.4	1657.5	872.4	447.18	38.1	971.5	.1153	.9626	.5991	.9514	2.1724
.4300	.9889	17.0	1677.0	870.2	447.08	36.9	979.1	.1191	.9640	.5981	.9512	2.1552
.4400	.9893	16.6	1696.5	868.5	447.00	35.9	986.9	.1230	.9653	.5968	.9511	2.1368
.4500	.9897	16.2	1716.0	866.9	446.92	34.2	993.9	.1269	.9665	.5958	.9509	2.1093
.4600	.9901	15.9	1735.6	865.6	446.86	33.1	1001.9	.1310	.9678	.5949	.9508	2.0980
.4700	.9905	15.5	1755.1	863.9	446.78	32.1	1010.1	.1351	.9689	.5937	.9506	2.0657
.4800	.9909	15.2	1774.6	862.5	446.71	31.1	1018.5	.1394	.9700	.5928	.9504	2.0435
.4900	.9912	14.9	1794.1	861.4	446.65	30.2	1027.2	.1438	.9711	.5920	.9503	2.0214
.5000	.9916	14.6	1813.6	859.9	446.58	29.2	1036.0	.1482	.9721	.5910	.9502	1.9987
.5100	.9919	14.3	1833.1	858.7	446.52	28.3	1045.1	.1528	.9731	.5901	.9500	1.9759
.5200	.9922	14.1	1852.6	857.4	446.46	27.5	1054.5	.1576	.9741	.5893	.9499	1.9529
.5300	.9925	13.8	1872.1	856.2	446.40	26.7	1064.2	.1624	.9750	.5885	.9498	1.9298
.5400	.9928	13.6	1891.6	855.0	446.34	25.9	1074.0	.1674	.9759	.5876	.9497	1.9063
.5500	.9931	13.3	1911.1	853.8	446.28	25.1	1084.2	.1725	.9768	.5868	.9495	1.8828
.5600	.9934	13.1	1930.6	852.7	446.23	24.3	1094.7	.1777	.9776	.5860	.9494	1.8592
.5700	.9936	12.9	1950.1	851.4	446.16	23.6	1105.5	.1831	.9784	.5852	.9493	1.8351
.5800	.9939	12.6	1969.7	850.3	446.11	22.9	1116.6	.1887	.9792	.5844	.9492	1.8111
.5900	.9941	12.4	1989.2	849.3	446.06	22.2	1128.0	.1944	.9800	.5837	.9491	1.7871
.6000	.9944	12.2	2008.7	848.3	446.01	21.5	1139.8	.2003	.9807	.5830	.9490	1.7629
.6100	.9946	12.0	2028.2	847.3	445.96	20.9	1152.0	.2063	.9814	.5823	.9489	1.7386
.6200	.9948	11.8	2047.7	846.6	445.92	20.3	1164.7	.2126	.9821	.5816	.9488	1.7140
.6300	.9950	11.6	2067.2	845.5	445.87	19.7	1177.6	.2190	.9828	.5811	.9487	1.6898
.6400	.9952	11.5	2086.7	844.6	445.82	19.1	1190.9	.2257	.9835	.5804	.9486	1.6652
.6500	.9954	11.3	2106.2	843.7	445.78	18.5	1204.6	.2325	.9841	.5799	.9485	1.6405
.6600	.9956	11.1	2125.7	842.9	445.74	18.0	1219.0	.2396	.9847	.5793	.9484	1.6157
.6700	.9958	11.0	2145.2	842.0	445.70	17.4	1233.8	.2469	.9853	.5787	.9483	1.5907
.6800	.9960	10.8	2164.7	841.0	445.65	16.9	1249.0	.2544	.9859	.5780	.9482	1.5655
.6900	.9962	10.6	2184.2	840.2	445.61	16.4	1264.8	.2622	.9865	.5774	.9481	1.5404
.7000	.9964	10.5	2203.7	839.3	445.56	15.9	1281.1	.2703	.9870	.5769	.9480	1.5152
.7100	.9965	10.4	2223.3	838.9	445.54	15.4	1298.2	.2787	.9876	.5766	.9480	1.4903
.7200	.9967	10.2	2242.8	838.1	445.50	15.0	1315.7	.2874	.9881	.5760	.9479	1.4649
.7300	.9969	10.1	2262.3	837.1	445.45	14.5	1333.8	.2964	.9886	.5753	.9478	1.4392
.7400	.9970	9.9	2281.8	836.3	445.42	14.0	1352.7	.3057	.9891	.5748	.9477	1.4137
.7500	.9972	9.8	2301.3	835.5	445.37	13.6	1372.3	.3153	.9896	.5742	.9476	1.3880
.7600	.9973	9.7	2320.8	834.9	445.34	13.2	1392.7	.3254	.9901	.5738	.9475	1.3626
.7700	.9975	9.6	2340.3	834.5	445.32	12.8	1414.1	.3359	.9905	.5735	.9475	1.3372
.7800	.9976	9.4	2359.8	833.6	445.28	12.4	1436.1	.3468	.9910	.5729	.9474	1.3118
.7900	.9977	9.3	2379.3	832.9	445.24	12.0	1459.1	.3581	.9914	.5725	.9473	1.2864
.8000	.9979	9.2	2398.8	832.7	445.23	11.6	1483.3	.3700	.9918	.5723	.9473	1.2599
.8100	.9980	9.1	2418.3	831.7	445.18	11.2	1508.1	.3822	.9923	.5716	.9472	1.2337
.8200	.9981	9.0	2437.8	831.1	445.15	10.8	1534.3	.3951	.9927	.5712	.9471	1.2078
.8300	.9983	8.9	2457.3	830.5	445.12	10.5	1561.7	.4085	.9931	.5708	.9471	1.1818
.8400	.9984	8.8	2476.9	830.0	445.09	10.1	1590.3	.4226	.9935	.5704	.9470	1.1558
.8500	.9985	8.7	2496.4	829.4	445.07	9.8	1620.3	.4373	.9938	.5700	.9469	1.1297
.8600	.9986	8.6	2515.9	828.8	445.04	9.5	1651.8	.4528	.9942	.5696	.9469	1.1036
.8700	.9987	8.5	2535.4	828.2	445.01	9.1	1684.8	.4690	.9946	.5692	.9468	1.0774
.8800	.9988	8.4	2554.9	827.7	444.98	8.8	1719.5	.4860	.9949	.5688	.9468	1.0512
.8900	.9990	8.3	2574.4	827.0	444.94	8.5	1755.9	.5039	.9953	.5684	.9467	1.0248
.9000	.9991	8.2	2593.9	826.5	444.92	8.2	1794.5	.5229	.9956	.5681	.9466	.9985
.9100	.9992	8.1	2613.4	826.4	444.92	7.9	1835.3	.5429	.9960	.5680	.9466	.9725
.9200	.9993	8.0	2632.9	825.5	444.87	7.6	1878.1	.5638	.9963	.5674	.9465	.9459
.9300	.9994	7.9	2652.4	825.1	444.85	7.3	1923.6	.5862	.9966	.5671	.9465	.9195
.9400	.9995	7.8	2671.9	824.6	444.82	7.0	1971.7	.6098	.9969	.5667	.9464	.8930
.9500	.9996	7.8	2691.4	824.4	444.81	6.7	2023.2	.6350	.9973	.5666	.9464	.8668
.9600	.9996	7.7	2711.0	823.7	444.78	6.5	2077.5	.6616	.9975	.5661	.9463	.8401
.9700	.9997	7.6	2730.5	823.1	444.75	6.2	2135.5	.6900	.9979	.5657	.9463	.8135
.9800	.9998	7.5	2750.0	822.7	444.73	5.9	2197.6	.7205	.9982	.5654	.9462	.7870
.9900	.9999	7.4	2769.5	823.0	444.74	5.7	2264.8	.7533	.9984	.5656	.9463	.7607
1.0000	1.0000	7.4	2789.0	822.1	444.70	5.4	2338.8	.7881	.9987	.5650	.9462	.7339

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 480 K (PSAT 1790.5 KPA))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
0.0000	0.0000	856.6	883.4	1286.9	464.29	452.5	926.5	.0070	.4864	.7187	.9673	.5282
.0100	.4897	441.0	902.5	1304.4	464.91	407.3	832.7	.0088	.5381	.7285	.9686	.9723
.0200	.6597	297.5	921.6	1302.7	464.85	362.4	836.4	.0108	.5898	.7276	.9684	1.2185
.0300	.7460	224.3	940.7	1294.3	464.56	323.7	839.3	.0129	.6347	.7229	.9678	1.4432
.0400	.7983	180.0	959.8	1282.9	464.15	290.9	841.8	.0151	.6726	.7165	.9670	1.6162
.0500	.8333	150.3	979.0	1271.0	463.72	263.4	844.3	.0173	.7044	.7098	.9661	1.7522
.0600	.8584	129.0	998.1	1259.3	463.30	240.1	846.8	.0195	.7312	.7033	.9652	1.8609
.0700	.8773	113.0	1017.2	1247.8	462.88	220.5	849.4	.0218	.7540	.6969	.9643	1.9480
.0800	.8920	100.6	1036.3	1237.1	462.49	203.0	852.2	.0241	.7740	.6909	.9635	2.0191
.0900	.9038	90.9	1055.4	1226.9	462.11	188.1	855.0	.0263	.7912	.6852	.9627	2.0769
.1000	.9135	82.6	1074.5	1217.2	461.76	175.0	858.0	.0286	.8063	.6798	.9620	2.1241
.1100	.9215	75.5	1093.6	1208.1	461.41	163.4	861.1	.0309	.8197	.6747	.9613	2.1624
.1200	.9283	69.8	1112.7	1199.8	461.11	153.1	864.4	.0333	.8315	.6701	.9606	2.1942
.1300	.9342	64.8	1131.9	1191.6	460.80	143.8	867.8	.0356	.8422	.6655	.9600	2.2190
.1400	.9393	60.5	1151.0	1184.1	460.51	135.5	871.3	.0380	.8517	.6613	.9594	2.2391
.1500	.9437	56.7	1170.1	1177.0	460.24	127.9	874.9	.0405	.8604	.6574	.9588	2.2549
.1600	.9476	53.4	1189.2	1170.3	459.98	121.1	878.7	.0429	.8683	.6536	.9583	2.2667
.1700	.9511	50.5	1208.3	1164.0	459.74	114.8	882.6	.0454	.8754	.6501	.9578	2.2754
.1800	.9542	47.8	1227.4	1158.2	459.52	109.1	886.7	.0479	.8820	.6469	.9573	2.2815
.1900	.9570	45.4	1246.5	1152.5	459.30	103.8	890.8	.0504	.8881	.6437	.9569	2.2847
.2000	.9596	43.3	1265.6	1147.0	459.08	98.9	895.0	.0530	.8936	.6406	.9564	2.2854
.2100	.9619	41.3	1284.8	1142.1	458.89	94.4	899.4	.0557	.8988	.6379	.9560	2.2848
.2200	.9640	39.5	1303.9	1137.3	458.70	90.2	904.0	.0583	.9036	.6352	.9556	2.2821
.2300	.9660	37.9	1323.0	1132.8	458.51	86.3	908.6	.0610	.9081	.6325	.9552	2.2774
.2400	.9677	36.4	1342.1	1128.3	458.35	82.6	913.4	.0638	.9122	.6302	.9549	2.2720
.2500	.9694	35.0	1361.2	1124.0	458.17	79.2	918.2	.0666	.9161	.6277	.9545	2.2646
.2600	.9709	33.7	1380.3	1119.9	458.02	76.0	923.2	.0694	.9198	.6255	.9542	2.2563
.2700	.9723	32.5	1399.4	1116.3	457.87	73.0	928.4	.0723	.9234	.6235	.9539	2.2474
.2800	.9736	31.4	1418.6	1112.8	457.73	70.2	933.7	.0753	.9264	.6215	.9536	2.2373
.2900	.9749	30.3	1437.7	1109.3	457.59	67.5	939.1	.0783	.9295	.6195	.9533	2.2261
.3000	.9760	29.3	1456.8	1105.9	457.45	65.0	944.6	.0813	.9324	.6176	.9530	2.2141
.3100	.9771	28.4	1475.9	1102.6	457.32	62.6	950.3	.0844	.9351	.6158	.9528	2.2014
.3200	.9781	27.5	1495.0	1099.3	457.19	60.3	956.1	.0876	.9377	.6140	.9525	2.1879
.3300	.9791	26.8	1514.1	1096.3	457.07	58.2	962.1	.0908	.9401	.6123	.9522	2.1736
.3400	.9800	26.0	1533.2	1093.2	456.96	56.1	968.2	.0941	.9424	.6108	.9520	2.1593
.3500	.9808	25.3	1552.3	1090.7	456.84	54.2	974.4	.0975	.9446	.6092	.9518	2.1438
.3600	.9816	24.6	1571.5	1088.3	456.74	52.3	980.9	.1009	.9467	.6078	.9515	2.1285
.3700	.9824	23.9	1590.6	1085.8	456.64	50.6	987.5	.1044	.9487	.6064	.9513	2.1135
.3800	.9831	23.3	1609.7	1083.0	456.53	48.9	994.2	.1080	.9506	.6049	.9511	2.0984
.3900	.9838	22.7	1628.8	1080.9	456.44	47.3	1001.1	.1117	.9524	.6037	.9509	2.0787
.4000	.9845	22.2	1647.9	1078.6	456.35	45.8	1008.2	.1154	.9542	.6024	.9507	2.0614
.4100	.9851	21.7	1667.0	1076.4	456.26	44.3	1015.5	.1192	.9559	.6012	.9505	2.0437
.4200	.9857	21.2	1686.1	1074.2	456.17	42.9	1022.9	.1231	.9575	.6000	.9504	2.0256
.4300	.9862	20.7	1705.2	1072.1	456.08	41.5	1030.6	.1271	.9590	.5988	.9502	2.0072
.4400	.9868	20.2	1724.4	1069.9	455.99	40.2	1038.3	.1311	.9605	.5975	.9500	1.9883
.4500	.9873	19.8	1743.5	1068.0	455.91	39.0	1046.4	.1353	.9619	.5965	.9498	1.9694
.4600	.9878	19.4	1762.6	1066.1	455.83	37.8	1054.6	.1395	.9632	.5954	.9497	1.9501
.4700	.9883	19.0	1781.7	1064.2	455.77	36.6	1063.1	.1439	.9645	.5945	.9495	1.9310
.4800	.9887	18.6	1800.8	1062.7	455.69	35.5	1071.9	.1484	.9658	.5935	.9494	1.9115
.4900	.9892	18.2	1819.9	1061.0	455.62	34.4	1080.9	.1530	.9670	.5926	.9492	1.8914
.5000	.9896	17.8	1839.0	1059.1	455.54	33.4	1089.7	.1576	.9682	.5915	.9490	1.8710
.5100	.9900	17.5	1858.2	1057.5	455.48	32.4	1099.1	.1624	.9693	.5906	.9489	1.8507
.5200	.9904	17.2	1877.3	1055.9	455.41	31.4	1108.7	.1674	.9704	.5897	.9488	1.8302
.5300	.9908	16.9	1896.4	1054.4	455.34	30.5	1118.6	.1724	.9715	.5889	.9486	1.8094
.5400	.9911	16.6	1915.5	1053.1	455.29	29.6	1128.8	.1776	.9725	.5881	.9485	1.7888
.5500	.9915	16.3	1934.6	1051.4	455.22	28.7	1139.2	.1829	.9735	.5872	.9484	1.7675
.5600	.9918	16.0	1953.7	1050.0	455.16	27.9	1149.9	.1884	.9744	.5864	.9483	1.7464
.5700	.9921	15.7	1972.8	1048.6	455.11	27.1	1160.9	.1940	.9753	.5856	.9481	1.7250
.5800	.9924	15.4	1991.9	1047.5	455.06	26.4	1172.4	.1998	.9762	.5851	.9480	1.7039
.5900	.9927	15.2	2011.1	1046.3	455.01	25.8	1184.1	.2057	.9771	.5844	.9479	1.6823
.6000	.9930	14.9	2030.2	1044.7	454.95	24.8	1196.0	.2118	.9779	.5835	.9478	1.6603
.6100	.9933	14.7	2049.3	1043.7	454.90	24.1	1208.5	.2181	.9787	.5829	.9477	1.6387
.6200	.9936	14.5	2068.4	1042.3	454.84	23.4	1221.2	.2245	.9795	.5821	.9476	1.6165
.6300	.9939	14.2	2087.5	1041.4	454.81	22.7	1234.5	.2312	.9803	.5816	.9475	1.5947
.6400	.9941	14.0	2106.6	1040.1	454.75	22.0	1248.0	.2380	.9810	.5809	.9474	1.5724
.6500	.9944	13.8	2125.7	1039.8	454.69	21.4	1261.9	.2451	.9818	.5802	.9473	1.5499
.6600	.9946	13.6	2144.9	1037.8	454.65	20.8	1276.4	.2523	.9825	.5796	.9472	1.5276
.6700	.9948	13.4	2164.0	1036.9	454.61	20.2	1291.4	.2599	.9831	.5791	.9471	1.5053
.6800	.9951	13.2	2183.1	1035.8	454.57	19.6	1306.8	.2676	.9838	.5785	.9470	1.4827
.6900	.9953	13.0	2202.2	1034.6	454.53	19.0	1322.7	.2756	.9845	.5778	.9469	1.4599
.7000	.9955	12.8	2221.3	1033.6	454.47	18.4	1339.1	.2839	.9851	.5772	.9468	1.4371
.7100	.9957	12.6	2240.4	1032.8	454.44	17.9	1356.2	.2925	.9857	.5768	.9468	1.4145
.7200	.9959	12.5	2259.5	1032.0	454.41	17.4	1373.9	.3013	.9863	.5764	.9467	1.3917
.7300	.9961	12.3	2278.6	1030.9	454.36	16.8	1392.2	.3105	.9869	.5758	.9466	1.3687
.7400	.9963	12.1	2297.8	1030.0	454.32	16.3	1411.1	.3200	.9875	.5752	.9465	1.3456
.7500	.9965	12.0	2316.9	1028.8	454.27	15.8	1430.6	.3298	.9880	.5746	.9464	1.3223
.7600	.9967	11.8	2336.0	1024.7	454.13	15.4	1450.6	.3398	.9886	.5734	.9462	1.2982
.7700	.9969	11.7	2355.1	1027.1	454.20	14.9	1472.2	.3506	.9891	.5736	.9462	1.2759
.7800	.9970	11.5	2374.2	1026.6	454.18	14.4	1494.3	.3616	.9896	.5733	.9462	1.2529
.7900	.9972	11.4	2393.3	1025.8	454.13	14.0	1517.1	.3730	.9901	.5728	.9461	1.2293
.8000	.9974	11.2	2412.4	1025.0	454.11	13.6	1541.0	.3849	.9906	.5725	.9461	1.2061
.8100	.9975	11.1	2431.6	1024.1	454.07	13.1	1565.7	.3973	.9911	.5720	.9460	1.1826
.8200	.9977	11.0	2450.7	1023.1	454.03	12.7	1591.4	.4102	.9915	.5714	.9459	1.1589
.8300	.9978	10.8	2469.8	1022.4	454.00	12.3	1618.4	.4236	.9920	.5710	.9458	1.1354
.8400	.9980	10.7	2488.9	1021.8	453.98	11.9	1646.6	.4377	.9924	.5707	.9458	1.1119
.8500	.9981	10.6	2508.0	1021.1	453.94	11.5	1676.0	.4523	.9929	.5703	.9457	1.0882
.8600	.9983	10.5	2527.1	1020.1	453.90	11.1	1706.6	.4676	.9933	.5697	.9456	1.0643
.8700	.9984	10.3	2546.2	1019.4	453.87	10.8	1738.8	.4837	.9937	.5693	.9456	1.0406
.8800	.9986	10.2	2565.3	1018.7	453.84	10.4	1772.4	.5005	.9941	.5689	.9455	1.0169
.8900	.9987	10.1	2584.5	1018.3	453.83	10.1	1808.1	.5182	.9945	.5687	.9455	.9931
.9000	.9988	10.0	2603.6	1017.6	453.80	9.9	1845.3	.5369	.9949	.5684	.9454	.9689
.9100	.9990	9.9	2622.7	1016.8	453.76	9.6	1884.4	.5562	.9953	.5679	.9453	.9452
.9200	.9991	9.8	2641.8	1016.1	453.73	9.3	1925.6	.5764	.9957	.5675	.9453	.9217
.9300	.9992	9.7	2660.9	1015.7	453.71	8.9	1969.2	.5985	.9961	.5673	.9452	.8973
.9400	.9993	9.6	2680.0	1015.2	453.69	8.6	2015.2	.6214	.9964	.5670	.9452	.8734
.9500	.9994	9.5	2699.1	1014.5	453.66	8.1	2063.8	.6455	.9968	.5666	.9451	.8493
.9600	.9996	9.4	2718.2	1013.6	453.62	7.7	2115.1	.6711	.9971	.5661	.9450	.8250
.9700	.9997	9.3	2737.4	1013.4	453.62	7.4	2170.0	.6984	.9975	.5660	.9450	.8011
.9800	.9998	9.2	2756.5	1012.7	453.59	7.1	2228.1	.7273	.9979	.5656	.9450	.7769
.9900	.9999	9.1	2775.6	1011.9	453.55	6.9	2289.8	.7580	.9981	.5651	.9449	.7525
1.0000	1.0000	9.0	2794.7	1011.7	453.54	6.6	2356.2	.7910	.9985	.5650	.9449	.7284

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 490 K (PSAT 2193.2 KPA))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
0.0000	0.0000	844.3	929.1	1553.0	473.09	453.3	868.2	.0083	.4802	.7113	.9655	.5369
.0100	.4379	479.4	947.8	1571.2	473.65	412.1	874.3	.0102	.5280	.7197	.9666	.8595
.0200	.6115	334.7	966.5	1571.0	473.64	371.4	878.4	.0123	.5755	.7196	.9666	1.1096
.0300	.7046	257.1	985.2	1562.9	473.40	335.4	881.7	.0146	.6176	.7159	.9661	1.3043
.0400	.7697	208.8	1003.9	1551.6	473.05	304.3	884.6	.0169	.6540	.7107	.9654	1.4570
.0500	.8023	175.7	1022.6	1539.2	472.67	277.8	887.5	.0192	.6891	.7050	.9646	1.5811
.0600	.8312	151.7	1041.3	1526.7	472.28	254.9	890.3	.0216	.7119	.6993	.9638	1.6909
.0700	.8530	133.4	1060.0	1514.2	471.89	235.1	893.2	.0240	.7350	.6936	.9630	1.7923
.0800	.8702	119.1	1078.7	1502.3	471.51	217.9	896.3	.0264	.7552	.6881	.9623	1.8295
.0900	.8841	107.6	1097.4	1490.9	471.15	202.7	899.4	.0288	.7729	.6829	.9615	1.8849
.1000	.8955	98.0	1116.1	1480.1	470.81	189.3	902.6	.0312	.7886	.6779	.9608	1.9308
.1100	.9050	90.1	1134.8	1469.9	470.48	177.4	906.0	.0337	.8025	.6732	.9602	1.9689
.1200	.9132	83.3	1153.5	1460.2	470.17	166.7	909.5	.0362	.8150	.6688	.9595	2.0003
.1300	.9202	77.5	1172.2	1451.0	469.87	157.0	913.1	.0387	.8262	.6646	.9589	2.0261
.1400	.9262	72.4	1190.9	1442.3	469.59	148.3	916.9	.0412	.8364	.6606	.9583	2.0471
.1500	.9315	68.0	1209.6	1434.1	469.32	140.3	920.7	.0438	.8456	.6569	.9578	2.0640
.1600	.9363	64.1	1228.3	1426.4	469.07	133.1	924.7	.0464	.8540	.6533	.9573	2.0774
.1700	.9405	60.6	1247.0	1419.0	468.82	126.4	928.8	.0491	.8617	.6500	.9568	2.0876
.1800	.9442	57.4	1265.7	1412.2	468.60	120.3	933.1	.0517	.8688	.6468	.9563	2.0953
.1900	.9476	54.6	1284.4	1405.6	468.38	114.7	937.5	.0544	.8754	.6438	.9559	2.1004
.2000	.9507	52.0	1303.1	1399.1	468.16	109.5	941.9	.0572	.8814	.6408	.9554	2.1031
.2100	.9535	49.7	1321.8	1393.2	467.97	104.6	946.5	.0600	.8871	.6381	.9550	2.1043
.2200	.9560	47.6	1340.5	1387.3	467.77	100.1	951.2	.0629	.8923	.6354	.9546	2.1034
.2300	.9584	45.6	1359.2	1381.8	467.58	95.9	956.1	.0657	.8972	.6329	.9543	2.1011
.2400	.9606	43.9	1377.9	1376.6	467.41	91.9	961.1	.0686	.9017	.6306	.9539	2.0977
.2500	.9626	42.2	1396.6	1371.8	467.24	88.2	966.2	.0716	.9060	.6283	.9536	2.0928
.2600	.9644	40.6	1415.3	1366.9	467.08	84.7	971.4	.0746	.9100	.6261	.9532	2.0866
.2700	.9661	39.2	1434.0	1362.3	466.92	81.5	976.7	.0776	.9138	.6240	.9529	2.0795
.2800	.9677	37.8	1452.7	1358.0	466.78	78.4	982.3	.0808	.9174	.6220	.9526	2.0716
.2900	.9692	36.6	1471.4	1353.7	466.63	75.5	987.9	.0839	.9207	.6200	.9523	2.0629
.3000	.9706	35.4	1490.1	1349.6	466.49	72.7	993.6	.0872	.9239	.6182	.9520	2.0528
.3100	.9719	34.3	1508.8	1345.0	466.36	70.1	999.6	.0904	.9269	.6165	.9518	2.0425
.3200	.9732	33.3	1527.5	1342.2	466.23	67.6	1005.6	.0938	.9298	.6148	.9515	2.0315
.3300	.9743	32.3	1546.2	1338.6	466.11	65.3	1011.8	.0972	.9325	.6131	.9512	2.0197
.3400	.9754	31.4	1564.9	1334.9	465.98	63.0	1018.1	.1007	.9350	.6114	.9510	2.0071
.3500	.9765	30.5	1583.6	1331.3	465.85	60.9	1024.5	.1042	.9375	.6098	.9507	1.9939
.3600	.9775	29.7	1602.3	1328.7	465.76	58.9	1031.3	.1078	.9398	.6086	.9505	1.9812
.3700	.9784	29.0	1621.0	1325.5	465.65	57.0	1038.1	.1115	.9420	.6071	.9503	1.9673
.3800	.9793	28.2	1639.7	1322.5	465.55	55.1	1045.1	.1153	.9442	.6058	.9501	1.9530
.3900	.9801	27.5	1658.4	1319.3	465.44	53.3	1052.4	.1191	.9462	.6043	.9499	1.9380
.4000	.9809	26.8	1677.0	1316.6	465.34	51.6	1059.5	.1230	.9482	.6030	.9497	1.9229
.4100	.9817	26.2	1695.7	1314.1	465.26	50.0	1067.0	.1270	.9500	.6019	.9495	1.9077
.4200	.9824	25.6	1714.4	1311.2	465.15	48.4	1074.6	.1311	.9518	.6006	.9493	1.8917
.4300	.9831	25.0	1733.1	1308.7	465.06	46.9	1082.5	.1353	.9535	.5994	.9491	1.8756
.4400	.9838	24.3	1751.8	1306.4	464.99	45.5	1090.5	.1395	.9552	.5984	.9489	1.8594
.4500	.9844	24.0	1770.5	1304.1	464.90	44.1	1098.8	.1439	.9568	.5973	.9488	1.8428
.4600	.9850	23.4	1789.2	1301.8	464.82	42.8	1107.3	.1483	.9583	.5963	.9486	1.8259
.4700	.9856	23.0	1807.9	1299.5	464.74	41.5	1115.9	.1529	.9598	.5952	.9485	1.8086
.4800	.9861	22.5	1826.6	1297.3	464.66	40.3	1124.8	.1575	.9612	.5942	.9483	1.7911
.4900	.9867	22.0	1845.3	1295.2	464.59	39.1	1133.9	.1623	.9625	.5933	.9481	1.7736
.5000	.9872	21.6	1864.0	1292.9	464.51	37.9	1143.2	.1672	.9639	.5922	.9480	1.7554
.5100	.9877	21.2	1882.7	1291.1	464.44	36.8	1152.8	.1722	.9651	.5914	.9478	1.7375
.5200	.9882	20.8	1901.4	1288.6	464.36	35.8	1162.6	.1773	.9664	.5902	.9477	1.7188
.5300	.9886	20.4	1920.1	1287.2	464.31	34.7	1172.8	.1826	.9675	.5896	.9476	1.7008
.5400	.9891	20.1	1938.8	1285.2	464.23	33.7	1183.1	.1879	.9687	.5887	.9474	1.6821
.5500	.9895	19.7	1957.5	1283.6	464.18	32.8	1193.8	.1935	.9698	.5879	.9473	1.6639
.5600	.9899	19.4	1976.2	1282.7	464.14	31.8	1204.9	.1992	.9709	.5875	.9472	1.6452
.5700	.9903	19.0	1994.9	1281.0	464.08	30.9	1216.2	.2050	.9719	.5867	.9471	1.6261
.5800	.9907	18.7	2013.6	1279.5	463.99	30.0	1227.9	.2109	.9729	.5856	.9469	1.6067
.5900	.9911	18.4	2032.3	1278.7	463.93	29.2	1239.9	.2170	.9739	.5848	.9468	1.5867
.6000	.9914	18.1	2051.0	1275.3	463.88	28.4	1251.6	.2233	.9748	.5841	.9467	1.5674
.6100	.9918	17.8	2069.7	1273.3	463.81	27.5	1264.1	.2298	.9758	.5832	.9465	1.5474
.6200	.9921	17.5	2088.4	1272.4	463.79	26.8	1277.2	.2365	.9766	.5829	.9465	1.5283
.6300	.9924	17.2	2107.1	1270.8	463.73	26.0	1290.5	.2433	.9775	.5821	.9464	1.5083
.6400	.9928	17.0	2125.8	1268.4	463.67	25.3	1304.2	.2503	.9784	.5814	.9463	1.4883
.6500	.9931	16.7	2144.5	1268.2	463.62	24.6	1318.4	.2576	.9792	.5809	.9462	1.4683
.6600	.9934	16.5	2163.2	1266.7	463.57	23.9	1332.9	.2650	.9800	.5802	.9461	1.4481
.6700	.9937	16.2	2181.9	1265.3	463.52	23.2	1347.9	.2727	.9807	.5795	.9460	1.4278
.6800	.9939	16.0	2200.6	1264.0	463.47	22.5	1363.4	.2807	.9815	.5790	.9459	1.4075
.6900	.9942	15.8	2219.3	1262.7	463.43	21.9	1379.4	.2888	.9822	.5784	.9458	1.3870
.7000	.9945	15.6	2238.0	1261.5	463.38	21.3	1396.0	.2973	.9829	.5778	.9457	1.3666
.7100	.9947	15.3	2256.7	1260.1	463.33	20.6	1413.0	.3060	.9836	.5771	.9456	1.3453
.7200	.9950	15.1	2275.4	1259.2	463.30	20.1	1430.7	.3150	.9843	.5764	.9455	1.3253
.7300	.9952	14.9	2294.1	1257.9	463.25	19.5	1448.9	.3243	.9850	.5762	.9454	1.3044
.7400	.9955	14.7	2312.8	1256.8	463.21	18.9	1467.8	.3339	.9856	.5756	.9453	1.2837
.7500	.9957	14.5	2331.5	1255.8	463.17	18.4	1487.4	.3439	.9863	.5752	.9453	1.2629
.7600	.9959	14.3	2350.2	1254.3	463.12	17.8	1507.5	.3542	.9869	.5745	.9451	1.2417
.7700	.9961	14.2	2368.9	1253.2	463.08	17.3	1528.5	.3648	.9875	.5740	.9451	1.2206
.7800	.9964	14.0	2387.6	1252.2	463.04	16.8	1550.3	.3759	.9881	.5735	.9450	1.1994
.7900	.9966	13.8	2406.3	1251.5	463.02	16.3	1573.0	.3874	.9886	.5732	.9449	1.1785
.8000	.9968	13.6	2425.0	1250.4	462.98	15.8	1596.4	.3994	.9892	.5727	.9448	1.1573
.8100	.9970	13.5	2443.7	1249.2	462.93	15.3	1620.8	.4117	.9897	.5722	.9448	1.1360
.8200	.9972	13.3	2462.4	1248.1	462.89	14.8	1646.1	.4246	.9903	.5719	.9447	1.1148
.8300	.9974	13.2	2481.1	1247.3	462.86	14.4	1672.6	.4380	.9908	.5713	.9446	1.0933
.8400	.9975	13.0	2499.8	1246.5	462.84	13.9	1700.1	.4520	.9913	.5709	.9446	1.0720
.8500	.9977	12.9	2518.5	1245.3	462.79	13.5	1728.7	.4665	.9918	.5704	.9445	1.0504
.8600	.9979	12.7	2537.2	1244.5	462.76	13.1	1758.7	.4817	.9923	.5700	.9444	1.0292
.8700	.9981	12.6	2555.8	1243.6	462.73	12.7	1789.9	.4975	.9927	.5695	.9443	1.0073
.8800	.9982	12.4	2574.5	1243.0	462.71	12.2	1822.7	.5141	.9932	.5691	.9443	.9858
.8900	.9984	12.3	2593.2	1242.1	462.68	11.8	1856.9	.5315	.9937	.5689	.9442	.9642
.9000	.9986	12.1	2611.9	1241.1	462.64	11.4	1892.7	.5496	.9941	.5685	.9442	.9424
.9100	.9987	12.0	2630.6	1240.2	462.61	11.1	1930.2	.5686	.9946	.5681	.9441	.9206
.9200	.9989	11.9	2649.3	1239.4	462.58	10.7	1969.9	.5886	.9953	.5677	.9440	.8988
.9300	.9990	11.8	2668.0	1238.8	462.55	10.3	2011.8	.6095	.9954	.5674	.9440	.8771
.9400	.9992	11.6	2686.7	1237.9	462.52	10.0	2054.8	.6316	.9959	.5672	.9439	.8553
.9500	.9993	11.5	2705.4	1237.5	462.50	9.6	2100.9	.6550	.9962	.5668	.9439	.8335
.9600	.9995	11.4	2724.1	1236.6	462.47	9.2	2149.4	.6795	.9966	.5664	.9438	.8115
.9700	.9996	11.3	2742.8	1236.0	462.47	8.9	2201.1	.7056	.9970	.5664	.9438	.7898
.9800	.9997	11.2	2761.5	1234.9	462.41	8.6	2254.9	.7328	.9974	.5656	.9437	.7675
.9900	.9999	11.1	2780.2	1234.4	462.39	8.2	2312.2	.7620	.9979	.5654	.9437	.7455
1.0000	1.0000	10.9	2798.9	1233.4	462.36	7.9	2373.5	.7928	.9981	.5643	.9436	.7234

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 500 K (PSAT 2639.6 KPA))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	ZR
0.0000	0.0000	831.5	975.5	1858.8	481.85	453.2	910.5	.0098	.4748	.7042	.9637	.5450
.0100	.3887	513.4	993.8	1877.6	482.36	415.6	916.5	.0118	.5189	.7113	.9647	.8095
.0200	.5623	371.4	1012.0	1878.6	482.38	378.8	920.9	.0140	.5626	.7117	.9648	1.0199
.0300	.6607	290.9	1030.3	1871.3	482.19	345.5	924.5	.0164	.6020	.7089	.9644	1.1878
.0400	.7240	239.1	1048.6	1860.2	481.89	316.4	927.9	.0188	.6367	.7047	.9638	1.3233
.0500	.7682	202.9	1066.8	1847.5	481.55	290.9	931.0	.0213	.6669	.6999	.9631	1.4336
.0600	.8007	176.3	1085.1	1835.4	481.22	268.9	934.3	.0238	.6930	.6953	.9624	1.5256
.0700	.8247	155.8	1103.3	1821.2	480.84	249.3	937.5	.0263	.7163	.6899	.9617	1.6000
.0800	.8455	139.6	1121.6	1808.3	480.49	232.1	940.8	.0289	.7367	.6851	.9610	1.6629
.0900	.8616	126.4	1139.9	1795.7	480.14	216.9	944.2	.0315	.7547	.6803	.9603	1.7154
.1000	.8749	115.6	1158.1	1783.9	479.82	203.3	947.7	.0341	.7708	.6758	.8596	1.7596
.1100	.8861	106.4	1176.4	1772.3	479.50	191.1	951.3	.0367	.7852	.6714	.9590	1.7965
.1200	.8957	98.6	1194.6	1761.6	479.20	180.2	955.0	.0393	.7982	.6674	.9584	1.8277
.1300	.9039	91.8	1212.9	1751.3	478.91	170.2	958.9	.0420	.8099	.6635	.9578	1.8536
.1400	.9111	86.0	1231.2	1741.3	478.63	161.2	962.8	.0447	.8206	.6597	.9573	1.8749
.1500	.9174	80.8	1249.4	1732.1	478.37	152.9	966.9	.0474	.8304	.6562	.9567	1.8927
.1600	.9230	76.2	1267.7	1723.2	478.12	145.3	971.1	.0502	.8393	.6529	.9562	1.9071
.1700	.9280	72.1	1285.9	1714.6	477.87	138.3	975.4	.0530	.8475	.6496	.9557	1.9183
.1800	.9325	68.4	1304.2	1706.5	477.64	131.9	979.9	.0558	.8551	.6465	.9553	1.9271
.1900	.9366	65.1	1322.5	1699.0	477.43	125.9	984.5	.0587	.8621	.6437	.9549	1.9339
.2000	.9403	62.1	1340.7	1691.6	477.22	120.4	989.2	.0616	.8687	.6409	.9544	1.9383
.2100	.9436	59.4	1359.0	1684.7	477.02	115.2	994.0	.0645	.8747	.6382	.9540	1.9410
.2200	.9467	56.8	1377.2	1678.0	476.82	110.4	998.9	.0675	.8804	.6357	.9536	1.9420
.2300	.9495	54.5	1395.5	1671.5	476.64	105.9	1004.0	.0706	.8857	.6333	.9533	1.9416
.2400	.9521	52.4	1413.8	1665.2	476.45	101.6	1009.1	.0737	.8906	.6309	.9529	1.9399
.2500	.9545	50.4	1432.0	1659.3	476.28	97.7	1014.4	.0768	.8953	.6286	.9526	1.937
.2600	.9567	48.6	1450.3	1653.9	476.12	93.9	1019.9	.0800	.8997	.6266	.9522	1.9325
.2700	.9588	46.9	1468.5	1648.5	475.96	90.4	1025.4	.0832	.9038	.6245	.9519	1.9274
.2800	.9608	45.3	1486.8	1643.1	475.80	87.1	1031.1	.0865	.9077	.6225	.9516	1.9211
.2900	.9626	43.8	1505.1	1638.3	475.66	83.9	1037.0	.0898	.9114	.6207	.9513	1.9144
.3000	.9643	42.5	1523.3	1633.3	475.51	80.9	1042.9	.0932	.9149	.6187	.9510	1.9065
.3100	.9659	41.2	1541.6	1628.6	475.38	78.1	1049.0	.0967	.9182	.6170	.9508	1.8980
.3200	.9673	39.9	1559.8	1624.2	475.25	75.4	1055.3	.1002	.9213	.6153	.9505	1.8890
.3300	.9688	38.8	1578.1	1619.9	475.12	72.9	1061.7	.1038	.9243	.6137	.9502	1.8791
.3400	.9701	37.7	1596.4	1615.7	474.99	70.4	1068.2	.1074	.9271	.6121	.9500	1.8683
.3500	.9713	36.7	1614.6	1612.0	474.88	68.1	1074.9	.1112	.9298	.6107	.9498	1.8582
.3600	.9725	35.7	1632.9	1607.5	474.75	65.9	1081.7	.1149	.9324	.6090	.9495	1.8464
.3700	.9737	34.8	1651.1	1604.1	474.65	63.8	1088.7	.1188	.9349	.6077	.9493	1.8349
.3800	.9747	33.9	1669.4	1600.5	474.54	61.8	1095.9	.1227	.9372	.6063	.9491	1.8226
.3900	.9758	33.0	1687.7	1597.3	474.44	59.8	1103.3	.1268	.9395	.6051	.9489	1.8103
.4000	.9767	32.3	1705.9	1594.1	474.34	58.0	1110.8	.1309	.9416	.6039	.9487	1.7973
.4100	.9777	31.5	1724.2	1590.6	474.24	56.2	1118.5	.1350	.9437	.6026	.9485	1.7838
.4200	.9785	30.8	1742.4	1587.5	474.14	54.5	1126.4	.1393	.9457	.6014	.9483	1.7701
.4300	.9794	30.1	1760.7	1583.8	474.03	52.8	1134.3	.1436	.9476	.6000	.9481	1.7555
.4400	.9802	29.4	1779.0	1581.4	473.96	51.2	1142.7	.1481	.9495	.5991	.9479	1.7417
.4500	.9810	28.8	1797.2	1578.5	473.87	49.7	1151.1	.1526	.9512	.5980	.9477	1.7270
.4600	.9817	28.2	1815.5	1575.8	473.79	48.3	1159.8	.1573	.9529	.5970	.9476	1.7122
.4700	.9824	27.6	1833.7	1572.7	473.69	46.8	1168.6	.1620	.9546	.5959	.9474	1.6968
.4800	.9831	27.1	1852.0	1570.4	473.62	45.5	1177.7	.1669	.9561	.5949	.9472	1.6817
.4900	.9837	26.5	1870.3	1567.8	473.55	44.2	1187.0	.1718	.9577	.5939	.9471	1.6661
.5000	.9844	26.0	1888.5	1565.0	473.46	42.9	1196.5	.1769	.9591	.5929	.9469	1.6500
.5100	.9850	25.5	1906.8	1562.9	473.40	41.7	1206.3	.1821	.9606	.5921	.9468	1.6343
.5200	.9855	25.0	1925.0	1560.4	473.32	40.5	1216.3	.1874	.9619	.5911	.9466	1.6180
.5300	.9861	24.6	1943.3	1558.1	473.25	39.4	1226.6	.1928	.9633	.5903	.9465	1.6015
.5400	.9866	24.1	1961.6	1555.9	473.18	38.3	1237.1	.1984	.9645	.5894	.9464	1.5851
.5500	.9872	23.7	1979.8	1553.9	473.12	37.2	1248.0	.2041	.9658	.5887	.9462	1.5685
.5600	.9877	23.3	1998.1	1551.3	473.04	36.1	1259.0	.2100	.9670	.5877	.9461	1.5513
.5700	.9882	22.9	2016.3	1549.2	472.98	35.1	1270.4	.2160	.9682	.5869	.9460	1.5343
.5800	.9886	22.5	2034.6	1547.2	472.91	34.2	1282.1	.2221	.9693	.5861	.9458	1.5171
.5900	.9891	22.1	2052.9	1545.5	472.86	33.2	1294.1	.2284	.9704	.5854	.9457	1.5000
.6000	.9895	21.8	2071.1	1543.3	472.79	32.3	1306.4	.2349	.9714	.5847	.9456	1.4824
.6100	.9899	21.4	2089.4	1541.6	472.74	31.4	1319.2	.2415	.9725	.5840	.9455	1.4649
.6200	.9904	21.1	2107.6	1539.8	472.69	30.5	1332.2	.2484	.9735	.5833	.9454	1.4472
.6300	.9908	20.8	2125.9	1538.0	472.63	29.7	1345.6	.2554	.9744	.5827	.9453	1.4294
.6400	.9911	20.5	2144.2	1536.3	472.58	28.9	1359.4	.2626	.9754	.5820	.9452	1.4114
.6500	.9915	20.1	2162.4	1534.3	472.51	28.1	1373.6	.2700	.9763	.5812	.9450	1.3933
.6600	.9919	19.9	2180.7	1532.9	472.47	27.3	1388.2	.2776	.9777	.5807	.9449	1.3754
.6700	.9922	19.6	2198.9	1531.0	472.41	26.6	1403.2	.2855	.9781	.5800	.9448	1.3570
.6800	.9926	19.3	2217.2	1529.4	472.36	25.8	1418.8	.2935	.9789	.5794	.9447	1.3387
.6900	.9929	19.2	2235.5	1527.8	472.31	25.1	1434.8	.3019	.9798	.5788	.9446	1.3203
.7000	.9932	18.7	2253.7	1526.3	472.26	24.4	1451.3	.3104	.9806	.5782	.9445	1.3018
.7100	.9936	18.5	2272.0	1524.7	472.22	23.7	1468.3	.3193	.9814	.5776	.9444	1.2832
.7200	.9939	18.2	2290.2	1522.9	472.16	23.1	1485.8	.3284	.9821	.5770	.9443	1.2644
.7300	.9942	18.0	2308.5	1521.2	472.14	22.4	1503.8	.3378	.9829	.5767	.9443	1.2460
.7400	.9944	17.8	2326.8	1520.9	472.10	21.9	1522.8	.3476	.9836	.5762	.9442	1.2273
.7500	.9947	17.5	2345.0	1519.1	472.04	21.2	1542.1	.3576	.9843	.5755	.9441	1.2082
.7600	.9950	17.3	2363.3	1518.0	472.01	20.6	1562.2	.3680	.9850	.5751	.9440	1.1894
.7700	.9953	17.1	2381.5	1516.2	471.96	20.0	1582.9	.3788	.9857	.5746	.9439	1.1703
.7800	.9955	16.9	2399.8	1515.3	471.92	19.4	1604.4	.3898	.9863	.5741	.9438	1.1511
.7900	.9958	16.6	2418.1	1514.0	471.88	18.9	1626.6	.4013	.9870	.5736	.9438	1.1321
.8000	.9960	16.4	2436.3	1512.9	471.85	18.3	1649.7	.4132	.9876	.5731	.9437	1.1130
.8100	.9963	16.2	2454.6	1511.3	471.80	17.8	1673.5	.4254	.9882	.5726	.9436	1.0934
.8200	.9965	16.1	2472.8	1510.6	471.77	17.2	1698.3	.4384	.9888	.5723	.9435	1.0745
.8300	.9968	15.8	2491.1	1509.3	471.73	16.8	1724.0	.4519	.9894	.5718	.9435	1.0550
.8400	.9970	15.7	2509.4	1507.7	471.68	16.2	1750.9	.4659	.9900	.5712	.9434	1.0355
.8500	.9972	15.5	2527.6	1506.7	471.65	15.7	1778.8	.4799	.9905	.5708	.9433	1.0160
.8600	.9974	15.3	2545.9	1505.8	471.62	15.3	1807.9	.4949	.9911	.5705	.9432	.9965
.8700	.9976	15.1	2564.1	1504.9	471.59	14.8	1838.2	.5103	.9916	.5701	.9432	.9771
.8800	.9978	15.0	2582.4	1503.9	471.56	14.3	1869.8	.5263	.9922	.5697	.9431	.9574
.8900	.9980	14.8	2600.7	1502.3	471.51	13.9	1902.4	.5427	.9927	.5691	.9430	.9377
.9000	.9982	14.7	2618.9	1501.3	471.48	13.4	1936.8	.5614	.9932	.5687	.9430	.9180
.9100	.9984	14.5	2637.2	1500.3	471.45	13.0	1972.7	.5799	.9937	.5684	.9429	.8983
.9200	.9986	14.3	2655.4	1499.2	471.43	12.6	2010.5	.5993	.9942	.5682	.9429	.8786
.9300	.9988	14.2	2673.7	1498.2	471.39	12.2	2049.2	.6199	.9947	.5676	.9428	.8588
.9400	.9990	14.0	2692.0	1497.7	471.37	11.8	2091.2	.6409	.9951	.5674	.9427	.8389
.9500	.9992	13.9	2710.2	1496.4	471.32	11.4	2134.4	.6631	.9956	.5669	.9426	.8189
.9600	.9993	13.7	2728.5	1495.4	471.29	11.0	2180.0	.6866	.9960	.5665	.9426	.7990
.9700	.9995	13.6	2746.7	1494.8	471.28	10.6	2227.2	.7114	.9965	.5663	.9426	.7791
.9800	.9997	13.5	2765.0	1494.1	471.25	10.2	2277.8	.7374	.9969	.5660	.9425	.7593
.9900	.9998	13.3	2783.3	1493.0	471.22	9.9	2332.2	.7649	.9973	.5655	.9424	.7391
1.0000	1.0000	13.2	2801.5	1491.7	471.18	9.5	2388.5	.7938	.9977	.5651	.9424	.7189

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 510 K (PSAT 3166.3 KPA))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	PR
0.0000	0.0000	818.0	1022.6	2209.1	490.61	452.4	953.4	.0115	.4699	.6977	.9620	.5530
.0100	.3427	543.1	1040.4	2227.8	491.04	418.2	959.4	.0136	.5108	.7036	.9628	.7700
.0200	.5130	406.5	1058.2	2229.5	491.08	384.7	964.0	.0160	.5510	.7042	.9629	.9463
.0300	.6149	324.8	1076.0	2222.9	490.93	354.1	967.9	.0185	.5878	.7021	.9626	1.0902
.0400	.6826	270.4	1093.8	2212.3	490.68	326.9	971.6	.0211	.6206	.6987	.9621	1.2087
.0500	.7310	231.7	1111.6	2199.5	490.38	302.7	975.1	.0239	.6497	.6947	.9615	1.3068
.0600	.7672	202.6	1129.4	2185.9	490.06	281.4	978.6	.0263	.6755	.6904	.9609	1.3889
.0700	.7953	180.0	1147.2	2171.9	489.73	262.4	982.1	.0290	.6993	.6859	.9603	1.4577
.0800	.8178	162.0	1165.0	2158.4	489.41	245.6	985.7	.0317	.7186	.6817	.9596	1.5162
.0900	.8362	147.2	1182.8	2145.0	489.09	230.5	989.4	.0344	.7368	.6774	.9590	1.5655
.1000	.8515	134.9	1200.6	2131.8	488.77	216.9	993.1	.0371	.7531	.6733	.9584	1.6073
.1100	.8645	124.9	1218.4	2119.3	488.47	204.6	997.0	.0399	.7679	.6693	.9578	1.6428
.1200	.8756	115.6	1236.2	2107.2	488.18	193.4	1001.0	.0427	.7813	.6655	.9572	1.6730
.1300	.8852	107.9	1254.0	2095.9	487.90	183.3	1005.0	.0455	.7935	.6619	.9567	1.6986
.1400	.8937	101.1	1271.8	2084.9	487.64	174.0	1009.2	.0484	.8046	.6585	.9561	1.7202
.1500	.9011	95.2	1289.6	2074.4	487.38	165.5	1013.4	.0513	.8149	.6552	.9556	1.7382
.1600	.9077	89.9	1307.4	2064.3	487.13	157.6	1017.9	.0542	.8242	.6520	.9552	1.7531
.1700	.9136	85.2	1325.2	2054.8	486.89	150.3	1022.5	.0573	.8329	.6490	.9547	1.7654
.1800	.9189	80.8	1343.0	2045.7	486.67	143.6	1027.1	.0601	.8409	.6461	.9543	1.7753
.1900	.9237	77.0	1360.8	2037.1	486.45	137.3	1031.9	.0633	.8484	.6433	.9538	1.7832
.2000	.9281	73.5	1378.6	2028.9	486.24	131.5	1036.8	.0662	.8553	.6407	.9534	1.7887
.2100	.9321	70.3	1396.3	2020.9	486.04	126.1	1041.8	.0694	.8619	.6381	.9530	1.7927
.2200	.9358	67.4	1414.1	2013.3	485.85	121.0	1046.9	.0725	.8679	.6357	.9526	1.7952
.2300	.9391	64.7	1431.9	2005.9	485.66	116.2	1052.1	.0757	.8736	.6333	.9523	1.7962
.2400	.9422	62.2	1449.7	1998.8	485.48	111.7	1057.5	.0790	.8789	.6311	.9519	1.7960
.2500	.9451	59.9	1467.5	1991.4	485.31	107.5	1063.0	.0823	.8840	.6290	.9516	1.7946
.2600	.9477	57.8	1485.3	1984.6	485.14	103.5	1068.6	.0856	.8887	.6268	.9512	1.7919
.2700	.9502	55.8	1503.1	1978.4	484.98	99.7	1074.4	.0890	.8932	.6248	.9509	1.7885
.2800	.9526	53.9	1520.9	1972.3	484.82	96.2	1080.3	.0925	.8974	.6229	.9506	1.7841
.2900	.9547	52.2	1538.7	1966.5	484.67	92.8	1086.3	.0960	.9014	.6211	.9503	1.7789
.3000	.9568	50.5	1556.5	1960.7	484.52	89.6	1092.4	.0996	.9052	.6192	.9500	1.7729
.3100	.9587	49.0	1574.3	1955.6	484.39	86.6	1098.8	.1032	.9088	.6176	.9498	1.7664
.3200	.9605	47.6	1592.1	1950.3	484.26	83.7	1105.2	.1069	.9122	.6160	.9495	1.7591
.3300	.9622	46.2	1609.9	1945.2	484.13	80.9	1111.8	.1108	.9155	.6144	.9493	1.7512
.3400	.9638	44.9	1627.7	1940.4	484.00	78.3	1118.5	.1145	.9186	.6129	.9490	1.7429
.3500	.9653	43.7	1645.5	1935.3	483.87	75.9	1125.4	.1184	.9216	.6112	.9488	1.7339
.3600	.9667	42.6	1663.3	1930.5	483.75	73.4	1132.4	.1223	.9244	.6098	.9485	1.7241
.3700	.9681	41.5	1681.1	1926.7	483.64	71.1	1139.6	.1264	.9271	.6085	.9483	1.7143
.3800	.9694	40.4	1698.9	1922.0	483.52	68.8	1146.9	.1305	.9297	.6070	.9481	1.7037
.3900	.9706	39.4	1716.7	1918.2	483.42	66.8	1154.5	.1347	.9322	.6058	.9479	1.6931
.4000	.9718	38.5	1734.5	1914.1	483.32	64.7	1162.2	.1389	.9346	.6045	.9477	1.6819
.4100	.9729	37.6	1752.3	1910.0	483.21	62.8	1170.0	.1433	.9369	.6032	.9475	1.6702
.4200	.9739	36.7	1770.1	1906.6	483.12	60.9	1178.1	.1477	.9391	.6021	.9473	1.6586
.4300	.9750	35.9	1787.9	1903.9	483.03	59.2	1186.3	.1523	.9413	.6010	.9471	1.6464
.4400	.9759	35.1	1805.7	1900.3	482.93	57.4	1194.7	.1569	.9432	.5999	.9469	1.6339
.4500	.9769	34.4	1823.5	1898.7	482.83	55.8	1203.3	.1616	.9452	.5987	.9467	1.6211
.4600	.9778	33.7	1841.3	1892.5	482.75	54.2	1212.1	.1664	.9471	.5977	.9466	1.6082
.4700	.9786	33.0	1859.1	1888.2	482.66	52.6	1221.2	.1714	.9489	.5967	.9464	1.5950
.4800	.9794	32.3	1876.9	1886.0	482.58	51.1	1230.4	.1764	.9507	.5957	.9462	1.5814
.4900	.9802	31.7	1894.7	1883.1	482.50	49.7	1239.9	.1815	.9523	.5947	.9461	1.5678
.5000	.9810	31.1	1912.5	1880.0	482.42	48.3	1249.5	.1868	.9540	.5937	.9458	1.5538
.5100	.9817	30.5	1930.3	1877.0	482.34	47.0	1259.4	.1921	.9556	.5928	.9458	1.5397
.5200	.9824	29.9	1948.1	1873.8	482.25	45.7	1269.5	.1976	.9571	.5918	.9456	1.5251
.5300	.9831	29.4	1965.9	1871.0	482.18	44.4	1279.9	.2032	.9586	.5909	.9455	1.5106
.5400	.9838	28.9	1983.7	1868.7	482.12	43.2	1290.6	.2090	.9600	.5902	.9453	1.4961
.5500	.9844	28.4	2001.5	1865.9	482.04	42.0	1301.6	.2149	.9614	.5893	.9452	1.4812
.5600	.9850	27.9	2019.3	1863.4	481.98	40.9	1312.8	.2209	.9627	.5885	.9451	1.4663
.5700	.9856	27.4	2037.1	1860.5	481.90	39.8	1324.2	.2270	.9640	.5876	.9449	1.4509
.5800	.9862	26.9	2054.9	1858.4	481.85	38.7	1336.1	.2334	.9653	.5870	.9448	1.4356
.5900	.9867	26.5	2072.6	1856.0	481.78	37.6	1348.1	.2398	.9665	.5862	.9447	1.4203
.6000	.9873	26.1	2090.4	1853.4	481.71	36.6	1360.5	.2465	.9677	.5854	.9445	1.4046
.6100	.9878	25.7	2108.2	1851.4	481.65	35.6	1373.3	.2533	.9689	.5847	.9444	1.3890
.6200	.9883	25.3	2126.0	1849.2	481.60	34.7	1386.4	.2603	.9700	.5840	.9443	1.3732
.6300	.9888	24.9	2143.8	1847.2	481.54	33.8	1399.9	.2674	.9711	.5834	.9442	1.3574
.6400	.9892	24.5	2161.6	1844.9	481.48	32.8	1413.7	.2748	.9721	.5827	.9441	1.3412
.6500	.9897	24.1	2179.4	1842.7	481.42	32.0	1427.8	.2823	.9732	.5820	.9440	1.3250
.6600	.9901	23.8	2197.2	1840.4	481.36	31.1	1442.4	.2901	.9742	.5812	.9438	1.3086
.6700	.9905	23.4	2215.0	1838.7	481.31	30.3	1457.3	.2981	.9751	.5807	.9438	1.2924
.6800	.9910	23.1	2232.8	1836.8	481.26	29.5	1473.0	.3063	.9761	.5801	.9437	1.2760
.6900	.9914	22.8	2250.6	1834.5	481.20	28.7	1488.8	.3147	.9770	.5794	.9435	1.2595
.7000	.9918	22.5	2268.4	1832.7	481.15	27.9	1505.2	.3234	.9779	.5788	.9434	1.2426
.7100	.9922	22.1	2286.2	1830.8	481.10	27.1	1522.1	.3323	.9788	.5782	.9433	1.2259
.7200	.9925	21.8	2304.0	1829.4	481.06	26.4	1539.6	.3415	.9797	.5778	.9433	1.2093
.7300	.9929	21.6	2321.8	1827.7	481.02	25.7	1557.5	.3510	.9805	.5772	.9432	1.1924
.7400	.9932	21.3	2339.6	1825.6	480.96	25.0	1575.9	.3609	.9813	.5766	.9431	1.1753
.7500	.9936	21.0	2357.4	1824.3	480.92	24.3	1595.1	.3709	.9821	.5762	.9430	1.1584
.7600	.9939	20.7	2375.2	1822.6	480.88	23.7	1614.8	.3813	.9829	.5756	.9429	1.1413
.7700	.9942	20.5	2393.0	1820.6	480.82	23.0	1635.1	.3920	.9837	.5750	.9428	1.1240
.7800	.9946	20.2	2410.8	1819.1	480.78	22.4	1656.2	.4032	.9844	.5745	.9427	1.1066
.7900	.9949	20.0	2428.6	1817.8	480.75	21.7	1678.1	.4147	.9851	.5741	.9426	1.0894
.8000	.9952	19.7	2446.4	1816.0	480.70	21.1	1700.5	.4265	.9858	.5735	.9425	1.0722
.8100	.9955	19.5	2464.2	1814.4	480.66	20.5	1723.8	.4388	.9865	.5730	.9424	1.0547
.8200	.9958	19.2	2482.0	1813.3	480.63	20.0	1748.1	.4515	.9872	.5727	.9424	1.0374
.8300	.9960	19.0	2499.8	1811.9	480.59	19.4	1773.2	.4647	.9879	.5723	.9423	1.0199
.8400	.9963	18.8	2517.6	1810.1	480.54	18.9	1799.0	.4783	.9885	.5717	.9422	1.0022
.8500	.9966	18.6	2535.4	1809.0	480.51	18.3	1826.1	.4925	.9892	.5713	.9422	.9847
.8600	.9969	18.4	2553.2	1807.3	480.46	17.8	1854.0	.5072	.9898	.5708	.9421	.9669
.8700	.9971	18.2	2571.0	1806.4	480.44	17.2	1883.2	.5226	.9904	.5705	.9420	.9493
.8800	.9974	18.0	2588.8	1805.0	480.40	16.7	1913.5	.5386	.9910	.5701	.9420	.9315
.8900	.9976	17.8	2606.6	1803.9	480.37	16.2	1945.0	.5550	.9916	.5697	.9419	.9137
.9000	.9979	17.6	2624.4	1802.7	480.33	15.7	1977.9	.5722	.9921	.5693	.9419	.8959
.9100	.9981	17.4	2642.2	1801.4	480.30	15.3	2012.1	.5902	.9927	.5689	.9418	.8780
.9200	.9983	17.2	2660.0	1800.2	480.27	14.8	2047.8	.6089	.9932	.5686	.9417	.8600
.9300	.9985	17.0	2677.8	1799.0	480.23	14.3	2085.1	.6285	.9938	.5682	.9416	.8420
.9400	.9988	16.8	2695.6	1797.6	480.19	13.9	2124.0	.6490	.9943	.5677	.9416	.8239
.9500	.9990	16.7	2713.4	1796.5	480.16	13.4	2164.8	.6703	.9948	.5674	.9415	.8059
.9600	.9992	16.5	2731.2	1794.9	480.12	13.0	2207.4	.6926	.9953	.5669	.9414	.7877
.9700	.9994	16.3	2749.0	1793.7	480.09	12.5	2252.2	.7161	.9958	.5665	.9413	.7695
.9800	.9996	16.2	2766.7	1793.1	480.07	12.1	2299.4	.7409	.9963	.5663	.9413	.7515
.9900	.9998	16.0	2784.5	1792.2	480.05	11.7	2349.9	.7667	.9969	.5660	.9413	.7333
1.0000	1.0000	15.8	2802.3	1790.9	480.01	11.3	2400.9	.7940	.9973	.5656	.9412	.7150

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 520 K (PSAT 3770.2 KPA))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	PR
0.0000	0.0000	803.8	1070.5	2607.3	499.34	450.7	997.1	.0135	.4659	.6916	.9603	.5608
.0100	.3003	568.1	1097.8	2625.3	499.71	419.5	1003.0	.0158	.5037	.6963	.9610	.7385
.0200	.4644	439.3	1105.1	2627.6	499.76	389.2	1007.8	.0183	.5407	.6969	.9611	.8459
.0300	.5679	348.1	1122.4	2621.9	499.64	359.2	1013.0	.0209	.5749	.6954	.9608	1.0087
.0400	.6391	302.2	1139.7	2611.4	499.42	339.9	1015.9	.0236	.6060	.6927	.9604	1.1113
.0500	.6910	261.4	1157.0	2596.0	499.17	313.2	1019.8	.0263	.6337	.6894	.9599	1.1980
.0600	.7306	230.4	1174.4	2585.0	498.88	292.8	1023.6	.0291	.6587	.6856	.9594	1.2717
.0700	.7618	205.9	1191.7	2570.8	498.58	274.6	1027.4	.0319	.6810	.6819	.9588	1.3338
.0800	.7870	186.1	1209.0	2556.2	498.28	259.1	1031.2	.0348	.7015	.6780	.9582	1.3871
.0900	.8078	169.8	1226.3	2542.0	497.98	243.3	1035.1	.0376	.7193	.6742	.9577	1.4329
.1000	.8252	156.1	1243.6	2528.3	497.69	229.8	1039.1	.0405	.7358	.6706	.9571	1.4723
.1100	.8400	144.5	1260.9	2514.6	497.40	217.5	1043.2	.0434	.7507	.6670	.9565	1.5059
.1200	.8528	134.4	1278.2	2501.8	497.13	206.4	1047.4	.0464	.7644	.6636	.9560	1.5350
.1300	.8639	125.7	1295.5	2489.0	496.86	196.1	1051.7	.0494	.7769	.6605	.9555	1.5598
.1400	.8737	118.1	1312.8	2477.1	496.61	186.7	1056.1	.0524	.7884	.6570	.9550	1.5811
.1500	.8823	111.3	1330.1	2465.3	496.35	177.9	1060.6	.0554	.7990	.6539	.9545	1.5990
.1600	.8900	105.2	1347.4	2454.3	496.11	169.9	1065.3	.0585	.8088	.6510	.9541	1.6143
.1700	.8969	99.8	1364.7	2443.6	495.88	162.4	1070.0	.0615	.8179	.6481	.9536	1.6271
.1800	.9032	94.9	1382.0	2433.3	495.66	155.4	1074.8	.0648	.8264	.6454	.9532	1.6376
.1900	.9088	90.5	1399.3	2423.2	495.44	148.9	1079.8	.0680	.8342	.6427	.9528	1.6459
.2000	.9140	86.4	1416.7	2414.0	495.24	142.9	1084.9	.0712	.8416	.6403	.9524	1.6528
.2100	.9187	82.8	1434.0	2404.8	495.04	137.2	1090.1	.0745	.8485	.6378	.9520	1.6579
.2200	.9230	79.4	1451.3	2395.9	494.84	131.9	1095.4	.0778	.8549	.6355	.9516	1.6613
.2300	.9270	76.2	1468.6	2387.4	494.66	126.8	1100.8	.0812	.8610	.6332	.9513	1.6636
.2400	.9306	73.4	1485.9	2379.3	494.48	122.1	1106.3	.0846	.8667	.6311	.9509	1.6647
.2500	.9341	70.7	1503.2	2371.7	494.31	117.7	1112.0	.0880	.8721	.6291	.9506	1.6647
.2600	.9372	68.2	1520.5	2364.1	494.14	113.4	1117.6	.0916	.8772	.6271	.9503	1.6637
.2700	.9402	65.9	1537.8	2357.1	493.98	109.5	1123.3	.0951	.8820	.6252	.9500	1.6618
.2800	.9429	63.7	1555.1	2349.9	493.82	105.7	1129.0	.0988	.8866	.6233	.9497	1.6587
.2900	.9455	61.7	1572.4	2342.8	493.66	102.1	1134.8	.1024	.8909	.6214	.9494	1.6549
.3000	.9479	59.8	1589.7	2336.3	493.52	98.7	1140.7	.1062	.8950	.6197	.9491	1.6506
.3100	.9502	58.0	1607.0	2330.2	493.38	95.4	1146.8	.1100	.8989	.6181	.9488	1.6456
.3200	.9524	56.3	1624.3	2324.2	493.25	92.3	1152.9	.1138	.9026	.6168	.9486	1.6399
.3300	.9544	54.7	1641.6	2318.3	493.11	89.4	1159.1	.1178	.9062	.6149	.9483	1.6336
.3400	.9563	53.2	1658.9	2312.2	492.98	86.5	1165.5	.1218	.9095	.6133	.9480	1.6266
.3500	.9581	51.8	1676.3	2306.7	492.85	83.9	1172.0	.1258	.9128	.6118	.9478	1.6192
.3600	.9598	50.4	1693.6	2301.7	492.74	81.3	1178.6	.1300	.9159	.6105	.9476	1.6116
.3700	.9615	49.2	1710.9	2296.5	492.62	78.8	1185.2	.1342	.9189	.6091	.9474	1.6033
.3800	.9630	47.9	1728.2	2291.2	492.50	76.4	1191.9	.1384	.9217	.6077	.9471	1.5944
.3900	.9645	46.8	1745.5	2286.6	492.40	74.2	1198.7	.1428	.9244	.6065	.9469	1.5853
.4000	.9659	45.7	1762.8	2281.6	492.28	72.0	1205.7	.1473	.9270	.6052	.9467	1.5759
.4100	.9672	44.6	1780.1	2277.0	492.18	69.9	1212.6	.1518	.9296	.6040	.9465	1.5660
.4200	.9685	43.6	1797.4	2272.4	492.07	67.9	1219.7	.1564	.9320	.6027	.9463	1.5558
.4300	.9697	42.7	1814.7	2268.7	491.99	65.9	1226.9	.1611	.9343	.6018	.9461	1.5457
.4400	.9709	41.7	1832.0	2264.3	491.89	64.1	1234.2	.1659	.9365	.6006	.9459	1.5348
.4500	.9720	40.9	1849.3	2260.3	491.79	62.3	1241.6	.1708	.9387	.5995	.9458	1.5238
.4600	.9731	40.0	1866.6	2255.9	491.69	60.5	1249.3	.1758	.9408	.5983	.9456	1.5123
.4700	.9741	39.2	1883.9	2252.4	491.61	58.8	1257.0	.1809	.9428	.5974	.9454	1.5009
.4800	.9751	38.4	1901.3	2248.3	491.52	57.2	1264.8	.1860	.9447	.5963	.9452	1.4890
.4900	.9761	37.7	1918.6	2244.6	491.43	55.7	1272.8	.1914	.9466	.5954	.9451	1.4770
.5000	.9770	37.0	1935.9	2241.3	491.36	54.1	1280.9	.1968	.9484	.5945	.9449	1.4649
.5100	.9779	36.3	1953.2	2237.5	491.27	52.7	1289.1	.2023	.9501	.5935	.9447	1.4523
.5200	.9787	35.6	1970.5	2234.5	491.20	51.3	1297.4	.2080	.9518	.5927	.9446	1.4399
.5300	.9796	35.0	1987.8	2231.2	491.12	49.9	1305.9	.2137	.9535	.5918	.9445	1.4271
.5400	.9803	34.3	2005.1	2229.5	491.04	48.6	1314.5	.2196	.9550	.5908	.9443	1.4140
.5500	.9811	33.7	2022.4	2223.8	490.95	47.3	1323.3	.2256	.9566	.5898	.9441	1.4006
.5600	.9818	33.2	2039.7	2221.3	490.89	46.0	1332.1	.2318	.9581	.5892	.9440	1.3875
.5700	.9826	32.6	2057.0	2218.7	490.83	44.8	1341.1	.2382	.9595	.5885	.9439	1.3743
.5800	.9832	32.1	2074.3	2216.4	490.78	43.6	1350.2	.2446	.9609	.5876	.9438	1.3605
.5900	.9839	31.6	2091.6	2212.4	490.69	42.5	1359.4	.2512	.9623	.5868	.9436	1.3468
.6000	.9846	31.0	2108.9	2210.0	490.63	41.4	1368.8	.2580	.9636	.5862	.9435	1.3331
.6100	.9852	30.6	2126.2	2206.9	490.56	40.3	1378.3	.2650	.9649	.5854	.9434	1.3189
.6200	.9858	30.1	2143.6	2204.7	490.50	39.3	1387.9	.2721	.9661	.5847	.9433	1.3050
.6300	.9864	29.6	2160.9	2202.1	490.44	38.2	1397.7	.2794	.9674	.5841	.9432	1.2908
.6400	.9869	29.2	2178.2	2199.5	490.38	37.2	1407.6	.2869	.9685	.5834	.9430	1.2765
.6500	.9875	28.7	2195.5	2196.6	490.31	36.3	1417.6	.2945	.9697	.5826	.9429	1.2619
.6600	.9880	28.3	2212.8	2194.6	490.27	35.3	1427.8	.3024	.9708	.5821	.9428	1.2475
.6700	.9885	27.9	2230.1	2192.2	490.21	34.4	1438.1	.3105	.9719	.5814	.9427	1.2328
.6800	.9890	27.5	2247.4	2190.0	490.16	33.5	1448.5	.3188	.9730	.5809	.9426	1.2181
.6900	.9895	27.1	2264.7	2187.0	490.09	32.6	1459.1	.3273	.9740	.5801	.9425	1.2031
.7000	.9900	26.9	2282.0	2184.8	490.04	31.8	1469.8	.3361	.9750	.5795	.9424	1.1881
.7100	.9905	26.4	2299.3	2182.6	489.98	31.0	1480.6	.3451	.9760	.5789	.9423	1.1731
.7200	.9909	26.0	2316.6	2180.4	489.93	30.1	1491.6	.3543	.9769	.5783	.9422	1.1580
.7300	.9914	25.7	2333.9	2178.9	489.90	29.4	1502.7	.3639	.9779	.5779	.9421	1.1431
.7400	.9918	25.4	2351.2	2176.7	489.85	28.6	1513.9	.3737	.9788	.5773	.9420	1.1278
.7500	.9922	25.0	2368.5	2174.7	489.80	27.8	1525.2	.3838	.9797	.5768	.9419	1.1125
.7600	.9926	24.7	2385.9	2172.7	489.75	27.1	1536.7	.3942	.9806	.5763	.9418	1.0971
.7700	.9930	24.4	2403.2	2170.6	489.70	26.4	1548.4	.4049	.9814	.5757	.9417	1.0816
.7800	.9934	24.1	2420.5	2168.8	489.66	25.7	1560.2	.4160	.9822	.5752	.9416	1.0661
.7900	.9938	23.8	2437.8	2166.4	489.60	25.0	1572.1	.4274	.9831	.5746	.9415	1.0503
.8000	.9942	23.5	2455.1	2164.6	489.56	24.3	1584.0	.4391	.9839	.5741	.9413	1.0347
.8100	.9945	23.2	2472.4	2162.7	489.51	23.7	1596.2	.4513	.9846	.5736	.9414	1.0190
.8200	.9949	23.0	2489.7	2161.4	489.48	23.0	1608.5	.4639	.9854	.5733	.9413	1.0033
.8300	.9952	22.7	2507.0	2159.6	489.44	22.4	1620.9	.4769	.9861	.5728	.9412	.9875
.8400	.9955	22.4	2524.3	2157.6	489.39	21.8	1633.4	.4903	.9869	.5723	.9411	.9715
.8500	.9959	22.2	2541.6	2156.3	489.36	21.2	1646.1	.5043	.9876	.5719	.9411	.9557
.8600	.9962	21.9	2558.9	2154.4	489.32	20.6	1658.9	.5187	.9883	.5715	.9410	.9397
.8700	.9965	21.7	2576.2	2153.1	489.29	20.0	1671.8	.5336	.9890	.5711	.9409	.9237
.8800	.9968	21.4	2593.5	2150.9	489.23	19.4	1684.9	.5491	.9896	.5705	.9408	.9076
.8900	.9971	21.2	2610.8	2149.8	489.21	18.9	1698.2	.5653	.9903	.5702	.9408	.8915
.9000	.9974	21.0	2628.2	2148.2	489.17	18.3	1711.5	.5819	.9909	.5698	.9407	.8753
.9100	.9977	20.7	2645.5	2145.8	489.11	17.8	1725.0	.5992	.9916	.5691	.9406	.8589
.9200	.9980	20.5	2662.8	2145.2	489.10	17.3	1738.7	.6174	.9922	.5690	.9406	.8429
.9300	.9982	20.3	2680.1	2143.7	489.06	16.8	1752.5	.6362	.9929	.5686	.9405	.8265
.9400	.9985	20.1	2697.4	2141.4	489.00	16.3	1766.4	.6556	.9934	.5680	.9404	.8100
.9500	.9988	19.9	2714.7	2140.8	488.99	15.8	1780.5	.6762	.9940	.5678	.9404	.7939
.9600	.9990	19.7	2732.0	2139.5	488.96	15.3	1794.7	.6975	.9945	.5675	.9403	.7774
.9700	.9993	19.5	2749.3	2137.7	488.93	14.8	1809.1	.7197	.9951	.5670	.9402	.7609
.9800	.9995	19.3	2766.6	2136.9	488.90	14.3	1823.6	.7431	.9955	.5668	.9402	.7445
.9900	.9998	19.1	2783.9	2135.5	488.86	13.9	1838.2	.7674	.9962	.5664	.9401	.7279
1.0000	1.0000	18.9	2801.2	2133.6	488.82	13.5	1852.9	.7929	.9967	.5659	.9400	.7113

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 530 K (PSAT 4458.7 KPA))

XO	AO	RO KG/M3	HO KJ/KG	PO KPA	TO K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
0.0000	0.0000	788.8	1119.3	3057.7	508.05	448.2	1041.6	.0158	.4625	.6854	.9586	.5682
.0100	.2616	588.4	1136.1	3074.3	508.35	419.8	1047.4	.0182	.4976	.6895	.9592	.7135
.0200	.4172	469.1	1152.0	3077.1	508.40	392.3	1052.3	.0209	.5317	.6901	.9592	.8363
.0300	.5203	390.1	1159.7	3071.9	508.31	366.8	1056.8	.0236	.5634	.6898	.9591	.9409
.0400	.5937	333.8	1166.5	3062.0	508.13	343.4	1061.0	.0264	.5926	.6867	.9587	1.0287
.0500	.6486	291.8	1203.3	3049.4	507.90	322.2	1065.1	.0293	.6190	.6839	.9583	1.1043
.0600	.6912	259.1	1220.1	3035.4	507.64	303.0	1069.2	.0322	.6430	.6808	.9578	1.1692
.0700	.7253	233.0	1236.8	3020.8	507.38	285.5	1073.2	.0352	.6647	.6775	.9573	1.2251
.0800	.7531	211.7	1253.6	3005.0	507.10	269.7	1077.3	.0382	.6845	.6742	.9568	1.2737
.0900	.7762	194.0	1270.4	2991.1	506.83	255.2	1081.5	.0412	.7024	.6708	.9563	1.3157
.1000	.7958	179.0	1287.2	2976.8	506.56	242.0	1085.8	.0442	.7188	.6676	.9558	1.3523
.1100	.8126	166.1	1304.0	2962.4	506.29	229.9	1090.1	.0473	.7339	.6644	.9553	1.3837
.1200	.8271	155.0	1320.8	2948.5	506.03	218.8	1094.4	.0504	.7477	.6613	.9548	1.4114
.1300	.8398	145.3	1337.6	2934.6	505.77	208.5	1098.8	.0535	.7605	.6582	.9543	1.4352
.1400	.8510	136.7	1354.3	2921.6	505.53	199.0	1103.2	.0567	.7722	.6552	.9538	1.4557
.1500	.8609	129.1	1371.1	2908.8	505.29	190.2	1108.3	.0599	.7831	.6524	.9534	1.4734
.1600	.8698	122.3	1387.9	2896.9	505.06	182.0	1113.1	.0632	.7932	.6497	.9529	1.4887
.1700	.8778	116.1	1404.7	2885.1	504.84	174.4	1118.0	.0664	.8027	.6471	.9525	1.5016
.1800	.8850	110.6	1421.5	2873.5	504.61	167.2	1123.0	.0697	.8115	.6445	.9521	1.5124
.1900	.8916	105.5	1438.3	2862.5	504.40	160.6	1128.2	.0731	.8197	.6420	.9517	1.5214
.2000	.8976	100.9	1455.1	2851.9	504.20	154.3	1133.4	.0765	.8274	.6396	.9513	1.5288
.2100	.9031	96.7	1471.8	2841.6	504.00	148.4	1138.8	.0799	.8347	.6373	.9509	1.5346
.2200	.9082	92.8	1488.6	2831.9	503.82	142.9	1144.3	.0834	.8415	.6351	.9506	1.5392
.2300	.9129	89.3	1505.4	2822.6	503.64	137.7	1149.9	.0869	.8479	.6331	.9503	1.5426
.2400	.9172	86.0	1522.2	2813.5	503.46	132.8	1155.6	.0905	.8540	.6310	.9499	1.5448
.2500	.9212	82.9	1539.0	2804.3	503.28	128.1	1161.4	.0942	.8599	.6290	.9496	1.5457
.2600	.9249	80.0	1555.8	2796.1	503.12	123.7	1167.4	.0978	.8651	.6271	.9493	1.5460
.2700	.9284	77.3	1572.6	2787.6	502.95	119.5	1173.4	.1016	.8703	.6253	.9490	1.5451
.2800	.9317	74.8	1589.4	2779.6	502.80	115.5	1179.7	.1054	.8752	.6234	.9487	1.5435
.2900	.9347	72.5	1606.1	2772.1	502.65	111.7	1186.0	.1092	.8798	.6217	.9484	1.5413
.3000	.9376	70.3	1622.9	2764.7	502.51	108.1	1192.5	.1131	.8842	.6201	.9481	1.5383
.3100	.9403	68.2	1639.7	2757.2	502.36	104.7	1199.1	.1171	.8884	.6184	.9478	1.5345
.3200	.9429	66.3	1656.5	2750.2	502.22	101.4	1205.8	.1211	.8924	.6169	.9476	1.5302
.3300	.9453	64.4	1673.3	2743.4	502.08	98.3	1212.7	.1252	.8963	.6153	.9473	1.5253
.3400	.9476	62.7	1690.1	2737.1	501.96	95.3	1219.7	.1293	.8999	.6139	.9471	1.5200
.3500	.9497	61.0	1706.9	2730.7	501.83	92.4	1226.9	.1336	.9034	.6125	.9469	1.5141
.3600	.9518	59.5	1723.6	2724.3	501.71	89.6	1234.2	.1379	.9066	.6110	.9466	1.5077
.3700	.9537	58.0	1740.4	2718.6	501.60	87.0	1241.7	.1422	.9100	.6097	.9464	1.5010
.3800	.9555	56.6	1757.2	2712.5	501.47	84.5	1249.3	.1467	.9131	.6083	.9462	1.4937
.3900	.9573	55.2	1774.0	2706.8	501.36	82.0	1257.1	.1512	.9161	.6071	.9460	1.4861
.4000	.9590	53.9	1790.8	2701.6	501.25	79.7	1265.0	.1558	.9189	.6059	.9458	1.4782
.4100	.9606	52.7	1807.6	2695.9	501.14	77.5	1273.1	.1605	.9217	.6046	.9455	1.4698
.4200	.9621	51.5	1824.4	2690.8	501.04	75.3	1281.4	.1653	.9243	.6035	.9454	1.4612
.4300	.9636	50.4	1841.1	2685.7	500.93	73.2	1289.9	.1702	.9268	.6023	.9452	1.4523
.4400	.9650	49.3	1857.9	2681.1	500.84	71.2	1298.5	.1753	.9293	.6013	.9450	1.4432
.4500	.9663	48.3	1874.7	2675.2	500.72	69.2	1307.3	.1801	.9317	.6000	.9448	1.4338
.4600	.9676	47.3	1891.5	2671.3	500.64	67.4	1316.3	.1853	.9339	.5991	.9446	1.4239
.4700	.9688	46.4	1908.3	2666.2	500.56	65.6	1325.6	.1906	.9361	.5982	.9445	1.4141
.4800	.9700	45.5	1925.1	2662.2	500.47	63.8	1335.0	.1959	.9382	.5972	.9443	1.4038
.4900	.9712	44.6	1941.9	2658.0	500.37	62.1	1344.6	.2014	.9403	.5961	.9441	1.3933
.5000	.9723	43.7	1958.6	2654.1	500.30	60.5	1354.5	.2069	.9423	.5953	.9440	1.3828
.5100	.9733	42.9	1975.4	2650.0	500.21	58.9	1364.5	.2126	.9442	.5943	.9438	1.3719
.5200	.9744	42.1	1992.2	2645.6	500.12	57.3	1374.8	.2184	.9461	.5934	.9436	1.3609
.5300	.9753	41.4	2009.0	2641.7	500.04	55.9	1385.3	.2243	.9479	.5926	.9435	1.3495
.5400	.9763	40.7	2025.8	2638.0	499.97	54.4	1396.0	.2304	.9496	.5917	.9433	1.3382
.5500	.9772	40.0	2042.6	2634.3	499.89	53.0	1407.1	.2365	.9513	.5908	.9432	1.3267
.5600	.9781	39.3	2059.4	2631.0	499.82	51.7	1418.4	.2429	.9530	.5901	.9431	1.3151
.5700	.9789	38.6	2076.1	2627.3	499.75	50.3	1429.9	.2493	.9546	.5893	.9429	1.3032
.5800	.9798	38.0	2092.9	2623.6	499.67	49.1	1441.6	.2559	.9561	.5884	.9428	1.2911
.5900	.9806	37.4	2109.7	2620.6	499.61	47.8	1453.8	.2627	.9576	.5877	.9427	1.2791
.6000	.9813	36.8	2126.5	2617.3	499.54	46.6	1466.1	.2696	.9591	.5870	.9425	1.2668
.6100	.9821	36.2	2143.3	2614.1	499.48	45.4	1479.8	.2766	.9605	.5863	.9424	1.2544
.6200	.9828	35.7	2160.1	2610.4	499.40	44.3	1491.7	.2838	.9619	.5854	.9423	1.2417
.6300	.9835	35.1	2176.9	2607.7	499.35	43.2	1504.1	.2912	.9632	.5849	.9422	1.2292
.6400	.9842	34.6	2193.6	2604.7	499.28	42.1	1518.8	.2988	.9646	.5842	.9420	1.2165
.6500	.9849	34.1	2210.4	2601.2	499.21	41.0	1532.7	.3066	.9658	.5834	.9419	1.2035
.6600	.9855	33.6	2227.2	2598.8	499.16	40.0	1547.1	.3145	.9671	.5829	.9418	1.1907
.6700	.9862	33.1	2244.0	2596.0	499.10	39.0	1561.9	.3227	.9683	.5823	.9417	1.1776
.6800	.9868	32.6	2260.8	2593.4	499.05	38.0	1577.0	.3311	.9693	.5816	.9416	1.1645
.6900	.9874	32.2	2277.6	2589.9	498.98	37.0	1592.4	.3396	.9706	.5809	.9415	1.1510
.7000	.9879	31.7	2294.4	2587.7	498.93	36.1	1608.4	.3484	.9717	.5804	.9414	1.1378
.7100	.9885	31.3	2311.1	2585.1	498.88	35.2	1624.8	.3575	.9728	.5798	.9413	1.1244
.7200	.9890	30.9	2327.9	2582.5	498.83	34.3	1641.6	.3667	.9739	.5792	.9412	1.1109
.7300	.9896	30.5	2344.7	2579.4	498.76	33.5	1658.9	.3763	.9750	.5785	.9411	1.0972
.7400	.9901	30.1	2361.5	2577.7	498.73	32.6	1676.8	.3861	.9760	.5781	.9410	1.0837
.7500	.9906	29.7	2378.3	2575.1	498.67	31.8	1695.0	.3962	.9770	.5775	.9409	1.0699
.7600	.9911	29.3	2395.1	2572.7	498.62	31.0	1713.9	.4065	.9779	.5770	.9408	1.0561
.7700	.9916	29.0	2411.9	2570.3	498.57	30.2	1733.3	.4172	.9789	.5765	.9407	1.0422
.7800	.9920	28.6	2428.6	2567.0	498.52	29.4	1753.2	.4281	.9798	.5759	.9406	1.0282
.7900	.9925	28.3	2445.4	2565.7	498.48	28.7	1773.8	.4394	.9807	.5754	.9405	1.0142
.8000	.9929	27.9	2462.2	2563.8	498.44	27.9	1795.1	.4511	.9816	.5750	.9404	1.0002
.8100	.9934	27.6	2479.0	2561.4	498.39	27.2	1816.9	.4631	.9825	.5745	.9404	.9860
.8200	.9938	27.3	2495.8	2559.4	498.34	26.5	1839.6	.4755	.9833	.5740	.9403	.9719
.8300	.9942	26.9	2512.6	2557.0	498.29	25.8	1862.8	.4882	.9842	.5735	.9402	.9575
.8400	.9946	26.6	2529.4	2555.1	498.25	25.1	1886.9	.5014	.9850	.5730	.9401	.9433
.8500	.9950	26.3	2546.2	2552.4	498.20	24.5	1911.7	.5150	.9858	.5725	.9400	.9290
.8600	.9954	26.0	2562.9	2550.9	498.17	23.9	1937.5	.5291	.9866	.5721	.9399	.9145
.8700	.9958	25.7	2579.7	2548.5	498.12	23.2	1964.0	.5436	.9873	.5715	.9398	.8999
.8800	.9961	25.5	2596.5	2547.0	498.09	22.5	1991.6	.5587	.9881	.5712	.9398	.8855
.8900	.9965	25.2	2613.3	2545.5	498.05	21.9	2020.2	.5744	.9888	.5709	.9397	.8710
.9000	.9968	24.9	2630.1	2542.9	498.00	21.3	2049.6	.5904	.9895	.5703	.9396	.8562
.9100	.9972	24.6	2646.9	2541.6	497.97	20.7	2080.4	.6073	.9902	.5700	.9394	.8417
.9200	.9975	24.4	2663.7	2539.8	497.93	20.2	2112.2	.6246	.9909	.5696	.9395	.8270
.9300	.9979	24.1	2680.4	2537.9	497.99	19.6	2145.1	.6425	.9916	.5692	.9394	.8123
.9400	.9982	23.9	2697.2	2536.1	497.86	19.0	2179.4	.6613	.9923	.5688	.9394	.7975
.9500	.9985	23.6	2714.0	2534.4	497.83	18.5	2215.1	.6808	.9929	.5684	.9393	.7827
.9600	.9988	23.4	2730.8	2532.8	497.79	18.0	2252.2	.7010	.9936	.5681	.9392	.7679
.9700	.9991	23.2	2747.6	2530.7	497.74	17.4	2290.7	.7221	.9942	.5675	.9391	.7529
.9800	.9994	22.9	2764.4	2528.9	497.71	16.9	2331.0	.7440	.9949	.5672	.9391	.7379
.9900	.9997	22.7	2781.2	2527.8	497.69	16.4	2373.1	.7670	.9956	.5669	.9390	.7231
1.0000	1.0000	22.5	2797.9	2525.3	497.65	15.9	2417.0	.7909	.9960	.5666	.9390	.7081

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 540 K (PSAT 5239.5 KPA))

XO	AO	RO KG/M3	HO KJ/KG	PO KPA	TO K	RO KG/M3	HO KJ/KG	XO	AO	PR	TR	RR
0.0000	0.0000	773.0	1169.3	3564.3	516.74	444.7	1087.1	.0185	.4602	.6903	.9569	.5753
.0100	.2266	603.9	1185.5	3579.3	516.98	418.9	1092.8	.0211	.4926	.6831	.9574	.6937
.0200	.3718	495.5	1201.7	3591.7	517.02	394.1	1098.5	.0239	.5240	.6836	.9574	.7954
.0300	.4778	420.1	1217.9	3570.8	516.94	370.8	1102.5	.0267	.5534	.6827	.9573	.8829
.0400	.5475	364.6	1234.2	3567.5	516.70	349.5	1106.9	.0297	.5806	.6809	.9570	.9585
.0500	.6042	322.0	1250.4	3535.3	516.59	329.8	1111.3	.0327	.6056	.6796	.9567	1.0240
.0600	.6493	288.4	1266.6	3541.4	516.37	311.7	1115.6	.0358	.6285	.6759	.9567	1.0810
.0700	.6858	261.1	1282.9	3526.9	516.13	295.3	1119.9	.0389	.6494	.6731	.9558	1.1304
.0800	.7164	238.6	1299.1	3521.8	515.85	280.1	1124.2	.0420	.6686	.6703	.9553	1.1742
.0900	.7417	219.6	1315.3	3496.2	515.63	266.2	1128.6	.0452	.6863	.6673	.9549	1.2122
.1000	.7632	203.4	1331.6	3480.9	515.38	253.3	1133.1	.0484	.7025	.6644	.9544	1.2456
.1100	.7819	189.4	1347.8	3466.2	515.13	241.5	1137.6	.0516	.7173	.6615	.9540	1.2750
.1200	.7982	177.3	1364.0	3451.3	514.89	230.6	1142.2	.0549	.7314	.6587	.9539	1.3006
.1300	.8125	166.6	1380.2	3437.1	514.65	220.4	1146.9	.0581	.7442	.6540	.9531	1.3252
.1400	.8252	157.1	1396.5	3422.8	514.41	210.9	1151.7	.0615	.7561	.6533	.9529	1.3427
.1500	.8365	148.6	1412.7	3409.5	514.19	202.1	1156.6	.0649	.7672	.6507	.9522	1.3600
.1600	.8467	141.0	1428.9	3396.1	513.96	193.9	1161.6	.0682	.7776	.6482	.9518	1.3748
.1700	.8559	134.2	1445.2	3383.3	513.75	186.2	1166.7	.0719	.7873	.6457	.9514	1.3876
.1800	.8642	128.0	1461.4	3371.1	513.54	179.0	1171.9	.0751	.7964	.6434	.9510	1.3988
.1900	.8718	122.3	1477.6	3359.1	513.34	172.2	1177.2	.0786	.8049	.6411	.9506	1.4081
.2000	.8788	117.1	1493.9	3347.2	513.14	165.8	1182.6	.0822	.8130	.6388	.9503	1.4158
.2100	.8852	112.3	1510.1	3336.0	512.95	159.8	1188.1	.0858	.8205	.6367	.9499	1.4223
.2200	.8911	107.9	1526.3	3327.1	512.76	154.1	1193.7	.0894	.8277	.6349	.9496	1.4275
.2300	.8965	103.9	1542.5	3314.8	512.59	148.7	1199.5	.0931	.8344	.6327	.9492	1.4317
.2400	.9016	100.1	1558.8	3304.4	512.41	143.6	1205.3	.0968	.8408	.6307	.9489	1.4345
.2500	.9063	96.6	1575.0	3294.5	512.24	138.8	1211.3	.1006	.8468	.6288	.9486	1.4366
.2600	.9106	93.3	1591.2	3284.9	512.07	134.2	1217.4	.1045	.8526	.6270	.9483	1.4377
.2700	.9147	90.3	1607.5	3275.7	511.91	129.8	1223.6	.1084	.8580	.6252	.9480	1.4380
.2800	.9186	87.4	1623.7	3267.0	511.76	125.7	1229.9	.1123	.8632	.6235	.9477	1.4376
.2900	.9222	84.7	1639.9	3258.1	511.61	121.7	1236.4	.1163	.8681	.6218	.9474	1.4363
.3000	.9255	82.2	1656.1	3249.5	511.46	117.9	1243.0	.1204	.8729	.6202	.9472	1.4344
.3100	.9287	79.8	1672.4	3241.4	511.32	114.3	1249.7	.1245	.8774	.6187	.9469	1.4319
.3200	.9317	77.6	1688.6	3233.5	511.18	110.9	1256.5	.1287	.8817	.6171	.9466	1.4289
.3300	.9346	75.5	1704.8	3225.8	511.05	107.6	1263.5	.1329	.8858	.6157	.9464	1.4253
.3400	.9373	73.5	1721.1	3218.7	510.92	104.4	1270.7	.1373	.8897	.6143	.9462	1.4215
.3500	.9398	71.6	1737.3	3213.3	510.83	101.4	1278.1	.1417	.8934	.6133	.9460	1.4174
.3600	.9422	69.8	1753.5	3204.3	510.67	98.5	1285.3	.1461	.8971	.6116	.9457	1.4117
.3700	.9445	68.0	1769.8	3197.2	510.55	95.7	1292.9	.1506	.9006	.6102	.9455	1.4061
.3800	.9467	66.4	1786.0	3190.5	510.43	93.0	1300.6	.1552	.9039	.6089	.9452	1.4003
.3900	.9488	64.8	1802.2	3184.4	510.32	90.4	1308.5	.1599	.9071	.6078	.9450	1.3942
.4000	.9508	63.4	1818.4	3177.7	510.20	87.9	1316.5	.1647	.9102	.6065	.9448	1.3875
.4100	.9527	61.9	1834.7	3171.8	510.10	85.5	1324.7	.1695	.9132	.6054	.9446	1.3807
.4200	.9545	60.6	1850.9	3165.9	509.99	83.2	1333.0	.1744	.9160	.6042	.9444	1.3735
.4300	.9563	59.3	1867.1	3160.1	509.89	81.0	1341.6	.1795	.9188	.6031	.9442	1.3660
.4400	.9580	58.0	1883.4	3153.9	509.78	78.8	1350.2	.1846	.9215	.6020	.9440	1.3581
.4500	.9596	56.8	1899.6	3148.6	509.69	76.7	1359.1	.1898	.9240	.6009	.9439	1.3501
.4600	.9611	55.7	1915.8	3143.4	509.59	74.7	1368.2	.1950	.9265	.6000	.9437	1.3419
.4700	.9626	54.6	1932.1	3138.6	509.51	72.9	1377.5	.2004	.9289	.5990	.9435	1.3335
.4800	.9640	53.5	1948.3	3132.8	509.40	70.9	1386.9	.2059	.9312	.5979	.9433	1.3245
.4900	.9654	52.5	1964.5	3128.1	509.32	69.1	1396.5	.2115	.9334	.5970	.9432	1.3156
.5000	.9667	51.5	1980.7	3122.9	509.22	67.3	1406.3	.2172	.9357	.5960	.9430	1.3063
.5100	.9679	50.6	1997.0	3118.4	509.15	65.6	1416.4	.2230	.9378	.5952	.9429	1.2970
.5200	.9692	49.7	2013.2	3113.8	509.06	64.0	1426.7	.2290	.9398	.5943	.9427	1.2875
.5300	.9703	48.8	2029.4	3109.2	508.98	62.3	1437.2	.2350	.9418	.5934	.9426	1.2777
.5400	.9715	47.9	2045.7	3104.3	508.89	60.8	1447.9	.2412	.9437	.5925	.9424	1.2677
.5500	.9726	47.1	2061.9	3100.5	508.82	59.3	1458.9	.2475	.9456	.5917	.9423	1.2577
.5600	.9736	46.3	2078.1	3096.1	508.75	57.8	1470.1	.2539	.9474	.5909	.9421	1.2475
.5700	.9746	45.6	2094.3	3091.6	508.66	56.4	1481.5	.2605	.9492	.5900	.9420	1.2370
.5800	.9756	44.8	2110.6	3087.4	508.59	55.0	1493.2	.2672	.9509	.5893	.9418	1.2264
.5900	.9766	44.1	2126.8	3083.6	508.52	53.6	1505.2	.2740	.9525	.5885	.9417	1.2158
.6000	.9775	43.4	2143.0	3079.7	508.45	52.3	1517.4	.2810	.9541	.5878	.9416	1.2050
.6100	.9784	42.7	2159.3	3075.9	508.38	51.0	1530.0	.2882	.9557	.5871	.9414	1.1941
.6200	.9793	42.1	2175.5	3072.1	508.31	49.8	1542.8	.2955	.9572	.5863	.9413	1.1830
.6300	.9802	41.5	2191.7	3069.0	508.25	48.6	1555.9	.3030	.9587	.5857	.9412	1.1720
.6400	.9810	40.9	2208.0	3065.4	508.19	47.4	1569.3	.3106	.9602	.5851	.9411	1.1607
.6500	.9818	40.3	2224.2	3061.3	508.12	46.3	1583.2	.3184	.9616	.5843	.9410	1.1491
.6600	.9825	39.7	2240.4	3058.0	508.05	45.1	1597.3	.3264	.9630	.5836	.9408	1.1377
.6700	.9833	39.1	2256.6	3054.9	508.00	44.0	1611.8	.3346	.9643	.5831	.9407	1.1252
.6800	.9840	38.6	2272.9	3051.3	507.93	43.0	1626.6	.3430	.9655	.5824	.9406	1.1144
.6900	.9847	38.0	2289.1	3048.5	507.88	41.9	1641.9	.3516	.9669	.5819	.9405	1.1027
.7000	.9854	37.5	2305.3	3044.9	507.82	40.9	1657.4	.3604	.9681	.5812	.9404	1.0909
.7100	.9861	37.0	2321.6	3042.1	507.77	39.9	1673.4	.3694	.9693	.5806	.9403	1.0789
.7200	.9868	36.5	2337.8	3039.1	507.71	39.0	1689.8	.3787	.9705	.5800	.9402	1.0668
.7300	.9874	36.0	2354.0	3036.2	507.66	38.0	1706.7	.3882	.9717	.5795	.9401	1.0544
.7400	.9880	35.6	2370.3	3032.7	507.59	37.1	1723.9	.3979	.9728	.5788	.9400	1.0419
.7500	.9886	35.1	2386.5	3030.4	507.55	36.2	1741.8	.4080	.9739	.5784	.9399	1.0303
.7600	.9892	34.7	2402.7	3027.5	507.50	35.3	1760.0	.4182	.9750	.5778	.9398	1.0179
.7700	.9898	34.3	2418.9	3025.0	507.45	34.5	1778.8	.4288	.9760	.5773	.9397	1.0055
.7800	.9904	33.8	2435.2	3021.4	507.39	33.6	1798.0	.4398	.9771	.5767	.9396	.9929
.7900	.9909	33.4	2451.4	3019.4	507.35	32.8	1817.9	.4509	.9781	.5763	.9395	.9802
.8000	.9915	33.0	2467.6	3016.3	507.29	32.0	1838.3	.4622	.9791	.5757	.9394	.9674
.8100	.9920	32.6	2483.9	3014.0	507.25	31.2	1859.4	.4743	.9800	.5753	.9393	.9552
.8200	.9925	32.3	2500.1	3011.4	507.20	30.4	1881.0	.4867	.9810	.5748	.9392	.9424
.8300	.9930	31.9	2516.3	3009.1	507.16	29.7	1903.3	.4998	.9819	.5743	.9390	.9295
.8400	.9935	31.5	2532.5	3006.1	507.10	28.9	1926.3	.5133	.9828	.5737	.9391	.9164
.8500	.9940	31.2	2548.8	3004.3	507.07	28.2	1950.0	.5264	.9837	.5734	.9390	.9040
.8600	.9944	30.8	2565.0	3001.7	507.02	27.5	1974.4	.5385	.9846	.5729	.9389	.8910
.8700	.9949	30.5	2581.2	2998.9	506.97	26.8	1999.6	.5526	.9854	.5724	.9388	.8795
.8800	.9953	30.1	2597.5	2997.1	506.94	26.1	2025.7	.5672	.9863	.5720	.9388	.8650
.8900	.9958	29.8	2613.7	2994.3	506.89	25.4	2052.5	.5823	.9871	.5715	.9387	.8519
.9000	.9962	29.5	2629.9	2992.8	506.86	24.7	2080.3	.5979	.9879	.5712	.9386	.8384
.9100	.9966	29.2	2646.2	2990.4	506.81	24.1	2109.3	.6139	.9887	.5704	.9385	.8255
.9200	.9970	28.9	2662.4	2988.4	506.78	23.5	2139.1	.6305	.9895	.5704	.9385	.8124
.9300	.9974	28.6	2678.6	2984.6	506.72	22.8	2169.8	.6477	.9902	.5698	.9384	.7990
.9400	.9978	28.3	2694.8	2983.5	506.69	22.2	2201.7	.6655	.9910	.5694	.9383	.7857
.9500	.9982	28.0	2711.1	2981.5	506.65	21.6	2234.8	.6840	.9917	.5690	.9382	.7723
.9600	.9986	27.7	2727.3	2979.4	506.61	21.0	2269.2	.7031	.9924	.5687	.9382	.7589
.9700	.9989	27.4	2743.5	2977.4	506.57	20.4	2304.8	.7230	.9931	.5683	.9381	.7455
.9800	.9993	27.2	2759.8	2976.1	506.55	19.9	2342.0	.7437	.9939	.5680	.9381	.7321
.9900	.9997	26.9	2776.0	2974.1	506.51	19.3	2380.4	.7651	.9945	.5676	.9380	.7186
1.0000	1.0000	26.7	2792.2	2973.3	506.49	18.9	2420.5	.7875	.9951	.5673	.9379	.7051

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 550 K (PSAT 6120.5 KPA))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
0.0000	0.0000	756.1	1220.4	4132.1	525.42	440.2	1133.7	.0217	.4588	.6791	.9553	.5827
.0100	.1951	614.7	1236.1	4144.5	525.59	416.9	1139.3	.0244	.4887	.6771	.9556	.6782
.0200	.3288	517.9	1251.7	4146.9	525.63	394.6	1144.4	.0274	.5175	.6775	.9557	.7620
.0300	.4360	447.4	1265.3	4141.4	525.55	373.5	1149.2	.0304	.5447	.6766	.9555	.8350
.0400	.5000	393.8	1233.0	4132.6	525.42	354.0	1153.9	.0335	.5700	.6752	.9553	.8990
.0500	.5581	351.7	1298.6	4120.5	525.25	335.9	1158.4	.0366	.5935	.6732	.9550	.9551
.0600	.6030	317.7	1314.2	4107.2	525.05	319.2	1162.9	.0398	.6152	.6710	.9546	1.0047
.0700	.6437	289.7	1329.9	4092.4	524.84	303.9	1167.5	.0431	.6352	.6686	.9543	1.0483
.0800	.6761	266.2	1345.5	4077.3	524.62	289.3	1172.0	.0463	.6538	.6662	.9539	1.0868
.0900	.7036	246.3	1361.1	4061.7	524.39	276.1	1176.6	.0496	.6709	.6636	.9534	1.1213
.1000	.7273	229.1	1376.8	4046.2	524.16	263.7	1181.3	.0530	.6869	.6611	.9530	1.1522
.1100	.7479	214.2	1392.4	4030.6	523.94	252.3	1186.0	.0563	.7017	.6585	.9526	1.1799
.1200	.7660	201.4	1408.0	4014.8	523.70	241.6	1190.8	.0598	.7155	.6560	.9522	1.2045
.1300	.7820	189.5	1423.7	3999.0	523.48	231.7	1195.6	.0632	.7283	.6535	.9518	1.2275
.1400	.7962	179.2	1439.3	3983.5	523.27	222.4	1200.6	.0667	.7403	.6512	.9514	1.2491
.1500	.8090	169.9	1454.9	3970.6	523.09	213.6	1205.6	.0702	.7515	.6487	.9510	1.2693
.1600	.8205	161.6	1470.6	3956.7	522.84	205.4	1210.8	.0737	.7620	.6465	.9506	1.2717
.1700	.8310	154.0	1486.2	3942.9	522.63	197.7	1216.0	.0773	.7719	.6442	.9502	1.2842
.1800	.8405	147.1	1501.8	3929.6	522.43	190.5	1221.4	.0809	.7813	.6420	.9498	1.2951
.1900	.8492	140.8	1517.5	3917.1	522.24	183.7	1226.8	.0846	.7900	.6400	.9495	1.3046
.2000	.8571	135.0	1533.1	3904.5	522.05	177.2	1232.4	.0883	.7982	.6379	.9492	1.3127
.2100	.8645	129.7	1548.7	3892.3	521.87	171.1	1238.0	.0921	.8061	.6359	.9489	1.3195
.2200	.8713	124.8	1564.4	3880.0	521.68	165.3	1243.8	.0959	.8135	.6339	.9485	1.3250
.2300	.8776	120.2	1580.0	3869.0	521.52	159.8	1249.6	.0997	.8205	.6321	.9482	1.3298
.2400	.8834	116.0	1595.6	3857.5	521.34	154.4	1255.6	.1036	.8272	.6302	.9479	1.3333
.2500	.8889	112.0	1611.3	3846.6	521.17	149.7	1261.7	.1075	.8335	.6285	.9476	1.3361
.2600	.8940	108.3	1626.9	3836.4	521.02	144.9	1267.9	.1115	.8395	.6268	.9473	1.3381
.2700	.8988	104.9	1642.5	3825.8	520.86	140.4	1274.2	.1156	.8452	.6251	.9470	1.3392
.2800	.9032	101.6	1658.2	3815.9	520.71	136.1	1280.6	.1197	.8507	.6235	.9467	1.3396
.2900	.9074	98.6	1673.8	3806.5	520.56	132.0	1287.2	.1238	.8559	.6219	.9465	1.3394
.3000	.9114	95.7	1689.4	3796.6	520.41	128.1	1293.8	.1281	.8609	.6203	.9462	1.3385
.3100	.9151	93.0	1705.1	3787.7	520.27	124.3	1300.7	.1323	.8657	.6188	.9459	1.3371
.3200	.9187	90.4	1720.7	3778.4	520.13	120.7	1307.6	.1367	.8703	.6174	.9457	1.3351
.3300	.9220	88.0	1736.3	3770.2	520.00	117.3	1314.7	.1411	.8747	.6160	.9455	1.3326
.3400	.9252	85.7	1751.9	3761.8	519.87	114.0	1321.9	.1456	.8789	.6146	.9452	1.3296
.3500	.9282	83.5	1767.6	3753.6	519.74	110.8	1329.2	.1501	.8829	.6133	.9450	1.3262
.3600	.9310	81.5	1783.2	3746.4	519.63	107.8	1336.7	.1547	.8868	.6121	.9448	1.3226
.3700	.9338	79.5	1798.8	3736.9	519.48	104.9	1344.2	.1593	.8905	.6108	.9445	1.3178
.3800	.9363	77.6	1814.5	3730.4	519.38	102.0	1352.0	.1641	.8941	.6095	.9443	1.3135
.3900	.9388	75.8	1830.1	3723.4	519.27	99.2	1360.0	.1689	.8975	.6083	.9441	1.3086
.4000	.9412	74.1	1845.7	3716.3	519.16	96.6	1368.0	.1738	.9009	.6072	.9438	1.3033
.4100	.9434	72.5	1861.4	3708.9	519.04	94.1	1376.2	.1788	.9041	.6060	.9437	1.2976
.4200	.9456	70.9	1877.0	3702.5	518.94	91.6	1384.6	.1839	.9072	.6048	.9435	1.2918
.4300	.9477	69.4	1892.6	3696.2	518.84	89.3	1393.2	.1890	.9101	.6039	.9434	1.2856
.4400	.9496	68.0	1908.3	3689.4	518.74	87.0	1401.8	.1943	.9130	.6024	.9432	1.2791
.4500	.9515	66.6	1923.9	3682.9	518.63	84.9	1410.7	.1996	.9158	.6017	.9430	1.2723
.4600	.9534	65.3	1939.5	3676.8	518.54	82.8	1419.8	.2050	.9185	.6007	.9428	1.2653
.4700	.9551	64.0	1955.2	3670.8	518.44	80.8	1429.0	.2105	.9211	.5998	.9426	1.2581
.4800	.9568	62.8	1970.8	3664.6	518.34	78.9	1438.4	.2161	.9236	.5987	.9424	1.2506
.4900	.9584	61.6	1986.4	3659.2	518.26	76.9	1448.0	.2218	.9261	.5979	.9423	1.2430
.5000	.9600	60.5	2002.1	3653.2	518.16	74.7	1457.8	.2277	.9285	.5969	.9421	1.2351
.5100	.9615	59.4	2017.7	3648.1	518.08	72.9	1467.8	.2336	.9307	.5960	.9420	1.2271
.5200	.9630	58.3	2033.3	3642.7	518.00	71.1	1478.0	.2396	.9330	.5952	.9418	1.2189
.5300	.9644	57.3	2049.0	3637.1	517.91	69.4	1488.4	.2458	.9351	.5943	.9416	1.2104
.5400	.9657	56.3	2064.6	3632.3	517.83	67.7	1499.0	.2521	.9372	.5935	.9414	1.2019
.5500	.9670	55.4	2080.2	3626.9	517.75	66.1	1509.8	.2584	.9393	.5926	.9414	1.1931
.5600	.9683	54.5	2095.9	3622.4	517.67	64.5	1521.0	.2650	.9413	.5918	.9412	1.1843
.5700	.9695	53.6	2111.5	3617.6	517.60	63.0	1532.3	.2716	.9432	.5911	.9411	1.1753
.5800	.9707	52.7	2127.1	3612.9	517.52	61.5	1543.8	.2784	.9451	.5903	.9409	1.1661
.5900	.9719	51.9	2142.8	3608.4	517.45	60.0	1555.6	.2853	.9469	.5896	.9408	1.1566
.6000	.9730	51.1	2158.4	3603.4	517.37	58.6	1567.7	.2924	.9486	.5887	.9407	1.1473
.6100	.9741	50.3	2174.0	3599.4	517.30	57.2	1580.0	.2995	.9504	.5881	.9406	1.1378
.6200	.9751	49.5	2189.7	3594.9	517.23	55.9	1592.6	.3069	.9520	.5874	.9404	1.1281
.6300	.9761	48.8	2205.3	3590.7	517.17	54.6	1605.5	.3145	.9537	.5867	.9403	1.1183
.6400	.9771	48.1	2220.9	3586.6	517.10	53.3	1618.7	.3221	.9553	.5860	.9402	1.1084
.6500	.9781	47.4	2236.6	3582.1	517.03	52.1	1632.2	.3300	.9568	.5853	.9400	1.0983
.6600	.9790	46.7	2252.2	3577.9	516.96	50.8	1645.9	.3380	.9583	.5846	.9399	1.0882
.6700	.9799	46.1	2267.8	3574.6	516.91	49.7	1660.1	.3462	.9598	.5840	.9398	1.0781
.6800	.9808	45.4	2283.5	3570.1	516.83	48.5	1674.5	.3545	.9613	.5833	.9397	1.0677
.6900	.9816	44.8	2299.1	3566.5	516.77	47.4	1689.3	.3632	.9627	.5827	.9396	1.0573
.7000	.9825	44.2	2314.7	3563.2	516.72	46.3	1704.5	.3719	.9640	.5822	.9395	1.0469
.7100	.9833	43.6	2330.4	3560.0	516.67	45.2	1720.1	.3809	.9654	.5816	.9394	1.0364
.7200	.9841	43.1	2346.0	3556.4	516.61	44.2	1736.0	.3901	.9667	.5811	.9393	1.0257
.7300	.9848	42.5	2361.6	3552.5	516.55	43.1	1752.3	.3995	.9680	.5804	.9392	1.0149
.7400	.9856	42.0	2377.3	3548.6	516.48	42.1	1768.9	.4092	.9692	.5798	.9391	1.0040
.7500	.9863	41.4	2392.9	3545.0	516.43	41.1	1786.0	.4191	.9705	.5792	.9390	.9931
.7600	.9870	40.9	2408.5	3542.3	516.38	40.2	1803.7	.4292	.9716	.5788	.9389	.9822
.7700	.9877	40.4	2424.2	3538.4	516.32	39.2	1821.7	.4396	.9728	.5781	.9388	.9711
.7800	.9884	39.9	2439.8	3535.4	516.27	38.3	1840.2	.4503	.9740	.5776	.9387	.9600
.7900	.9890	39.4	2455.4	3531.3	516.22	37.4	1859.1	.4612	.9751	.5770	.9385	.9487
.8000	.9897	39.0	2471.1	3529.2	516.17	36.5	1878.7	.4724	.9762	.5766	.9385	.9376
.8100	.9903	38.5	2486.7	3526.5	516.12	35.7	1898.8	.4840	.9773	.5762	.9384	.9266
.8200	.9909	38.1	2502.3	3522.9	516.07	34.8	1919.4	.4958	.9783	.5756	.9383	.9153
.8300	.9915	37.6	2518.0	3520.2	516.02	34.0	1940.6	.5080	.9793	.5751	.9382	.9038
.8400	.9921	37.2	2533.6	3518.1	515.99	33.2	1962.5	.5206	.9803	.5748	.9382	.8923
.8500	.9927	36.8	2549.2	3514.8	515.93	32.4	1984.9	.5334	.9813	.5743	.9381	.8807
.8600	.9933	36.4	2564.9	3512.1	515.89	31.6	2008.0	.5467	.9823	.5738	.9380	.8691
.8700	.9938	36.1	2580.5	3509.4	515.85	30.9	2031.8	.5603	.9832	.5734	.9379	.8575
.8800	.9944	35.6	2596.1	3506.2	515.79	30.1	2056.2	.5743	.9842	.5729	.9378	.8457
.8900	.9949	35.2	2611.8	3504.1	515.76	29.4	2081.6	.5888	.9851	.5725	.9377	.8341
.9000	.9954	34.8	2627.4	3501.4	515.71	28.7	2107.6	.6037	.9860	.5721	.9377	.8223
.9100	.9959	34.5	2643.0	3498.7	515.67	27.9	2134.5	.6191	.9869	.5716	.9376	.8105
.9200	.9964	34.1	2658.7	3496.3	515.63	27.2	2162.2	.6349	.9877	.5712	.9375	.7987
.9300	.9969	33.8	2674.3	3493.0	515.58	26.6	2190.7	.6513	.9886	.5707	.9374	.7867
.9400	.9973	33.4	2689.9	3490.6	515.54	25.9	2220.3	.6683	.9894	.5703	.9373	.7748
.9500	.9978	33.1	2705.6	3488.8	515.51	25.2	2251.0	.6857	.9902	.5700	.9373	.7629
.9600	.9983	32.8	2721.2	3486.4	515.47	24.6	2282.6	.7038	.9910	.5696	.9372	.7508
.9700	.9987	32.4	2736.9	3484.0	515.43	24.0	2315.3	.7224	.9919	.5692	.9371	.7388
.9800	.9992	32.1	2752.5	3481.1	515.38	23.3	2349.1	.7417	.9926	.5687	.9371	.7266
.9900	.9996	31.8	2768.1	3478.7	515.34	22.7	2384.1	.7618	.9933	.5684	.9370	.7145
1.0000	1.0000	31.5	2783.7	3477.5	515.32	22.1	2420.7	.7826	.9941	.5682	.9369	.7024

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 560 K (PSAT 7110.3 KPA))

XC	AC	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
0.0000	0.0000	738.0	1273.1	4765.3	534.07	434.6	1181.7	.0254	.4587	.6702	.9537	.5889
.0100	.1670	621.0	1288.1	4774.4	534.19	413.7	1187.2	.0284	.4862	.6715	.9539	.6661
.0200	.2883	536.0	1303.1	4772.5	534.21	393.7	1192.3	.0315	.5126	.6716	.9539	.7345
.0300	.3904	471.4	1318.0	4770.1	534.14	374.7	1197.2	.0346	.5376	.6709	.9538	.7949
.0400	.4527	420.8	1333.0	4761.4	534.02	357.0	1202.0	.0379	.5610	.6696	.9536	.8486
.0500	.5110	379.9	1348.0	4749.7	533.87	340.5	1206.7	.0411	.5829	.6680	.9533	.8962
.0600	.5589	346.3	1363.0	4736.3	533.70	325.9	1211.4	.0445	.6034	.6661	.9530	.9384
.0700	.5991	318.2	1378.0	4722.1	533.51	312.0	1216.1	.0478	.6224	.6641	.9527	.9764
.0800	.6338	294.3	1393.0	4706.4	533.31	299.2	1220.8	.0513	.6402	.6619	.9523	1.0101
.0900	.6635	273.7	1408.0	4691.0	533.11	287.2	1225.5	.0547	.6567	.6597	.9520	1.0403
.1000	.6882	255.8	1423.0	4674.6	532.90	276.0	1230.3	.0582	.6721	.6576	.9516	1.0674
.1100	.7104	240.1	1438.0	4659.4	532.69	265.1	1235.3	.0617	.6865	.6553	.9512	1.0914
.1200	.7302	226.2	1453.0	4643.8	532.48	254.8	1240.3	.0653	.7002	.6531	.9509	1.1130
.1300	.7479	213.9	1467.9	4628.1	532.29	245.2	1245.4	.0688	.7129	.6509	.9505	1.1322
.1400	.7637	202.8	1482.9	4612.9	532.07	236.1	1250.4	.0725	.7248	.6489	.9501	1.1494
.1500	.7779	192.8	1497.9	4597.8	531.87	227.6	1255.6	.0761	.7360	.6466	.9498	1.1646
.1600	.7909	183.8	1512.9	4583.0	531.68	219.5	1260.9	.0798	.7466	.6446	.9494	1.1782
.1700	.8026	175.5	1527.9	4568.6	531.48	211.9	1266.3	.0835	.7566	.6423	.9491	1.1902
.1800	.8134	168.0	1542.9	4554.4	531.29	204.7	1271.7	.0873	.7660	.6405	.9487	1.2007
.1900	.8232	161.1	1557.9	4541.2	531.12	197.9	1277.3	.0911	.7749	.6387	.9484	1.2101
.2000	.8323	154.7	1572.9	4529.6	530.93	191.5	1282.9	.0950	.7834	.6368	.9481	1.2182
.2100	.8407	148.8	1587.9	4514.8	530.76	185.3	1288.7	.0989	.7914	.6350	.9478	1.2252
.2200	.8485	143.4	1602.8	4501.9	530.59	179.5	1294.5	.1028	.7990	.6332	.9475	1.2311
.2300	.8557	138.3	1617.8	4490.3	530.43	174.0	1300.5	.1068	.8063	.6314	.9472	1.2360
.2400	.8624	133.6	1632.8	4477.1	530.25	168.7	1306.5	.1109	.8132	.6297	.9469	1.2401
.2500	.8687	129.2	1647.8	4465.3	530.09	163.6	1312.7	.1150	.8199	.6280	.9466	1.2434
.2600	.8746	125.1	1662.8	4453.7	529.93	158.8	1319.0	.1191	.8260	.6264	.9463	1.2459
.2700	.8801	121.3	1677.8	4442.7	529.78	154.2	1325.4	.1233	.8320	.6248	.9460	1.2479
.2800	.8853	117.8	1692.8	4431.8	529.63	149.8	1331.9	.1275	.8377	.6233	.9458	1.2489
.2900	.8902	114.4	1707.8	4421.0	529.48	145.6	1338.5	.1318	.8432	.6218	.9455	1.2494
.3000	.8948	110.9	1722.8	4411.3	529.35	138.6	1345.2	.1362	.8485	.6204	.9453	1.2496
.3100	.8992	107.8	1737.8	4400.9	529.21	134.7	1352.1	.1406	.8535	.6189	.9450	1.2489
.3200	.9033	104.9	1752.7	4391.5	529.08	131.0	1359.1	.1451	.8583	.6176	.9448	1.2480
.3300	.9072	102.2	1767.7	4381.5	528.94	127.4	1366.1	.1496	.8630	.6162	.9445	1.2464
.3400	.9109	99.6	1782.7	4372.3	528.81	123.9	1373.4	.1542	.8674	.6149	.9443	1.2444
.3500	.9145	97.1	1797.7	4363.2	528.69	120.6	1380.7	.1589	.8717	.6136	.9441	1.2420
.3600	.9178	94.8	1812.7	4354.7	528.57	117.5	1388.2	.1636	.8758	.6125	.9439	1.2393
.3700	.9210	92.5	1827.7	4345.7	528.44	114.4	1395.8	.1684	.8798	.6112	.9436	1.2360
.3800	.9241	90.4	1842.7	4337.7	528.33	111.4	1403.6	.1733	.8836	.6101	.9435	1.2326
.3900	.9270	88.4	1857.7	4329.0	528.21	108.6	1411.5	.1783	.8873	.6088	.9432	1.2286
.4000	.9297	86.4	1872.7	4321.1	528.10	105.8	1419.5	.1833	.8909	.6077	.9430	1.2244
.4100	.9324	84.5	1887.7	4314.2	528.03	103.2	1427.9	.1884	.8942	.6070	.9429	1.2206
.4200	.9350	82.8	1902.6	4306.5	527.90	100.6	1436.1	.1936	.8974	.6057	.9427	1.2154
.4300	.9374	81.0	1917.6	4298.5	527.78	98.1	1444.6	.1989	.9005	.6045	.9425	1.2102
.4400	.9398	79.4	1932.6	4291.2	527.68	95.7	1453.2	.2042	.9039	.6035	.9423	1.2049
.4500	.9420	77.8	1947.6	4283.7	527.58	93.3	1462.0	.2096	.9069	.6025	.9421	1.1993
.4600	.9442	76.3	1962.6	4276.8	527.48	91.1	1471.0	.2152	.9098	.6015	.9419	1.1935
.4700	.9462	74.8	1977.6	4269.7	527.38	88.9	1480.1	.2208	.9126	.6005	.9417	1.1874
.4800	.9483	73.4	1992.6	4263.1	527.29	86.8	1489.5	.2265	.9154	.5996	.9416	1.1813
.4900	.9502	72.1	2007.6	4256.5	527.19	84.7	1499.0	.2323	.9180	.5988	.9414	1.1748
.5000	.9520	70.8	2022.6	4250.4	527.11	82.7	1508.7	.2382	.9206	.5978	.9413	1.1683
.5100	.9538	69.5	2037.6	4244.2	527.02	80.8	1518.5	.2442	.9231	.5969	.9411	1.1615
.5200	.9556	68.3	2052.6	4237.7	526.93	78.9	1528.6	.2504	.9255	.5960	.9409	1.1544
.5300	.9572	67.1	2067.5	4232.9	526.86	77.0	1538.9	.2566	.9278	.5953	.9408	1.1475
.5400	.9589	66.0	2082.5	4225.9	526.76	75.3	1549.3	.2629	.9301	.5943	.9406	1.1400
.5500	.9604	64.9	2097.5	4220.4	526.68	73.5	1560.0	.2694	.9323	.5936	.9405	1.1325
.5600	.9619	63.9	2112.5	4215.2	526.61	71.8	1570.9	.2760	.9345	.5928	.9404	1.1250
.5700	.9634	62.8	2127.5	4209.6	526.53	70.2	1582.0	.2827	.9366	.5920	.9402	1.1175
.5800	.9648	61.8	2142.5	4203.6	526.45	68.5	1593.3	.2895	.9386	.5912	.9401	1.1093
.5900	.9662	60.9	2157.5	4198.5	526.37	67.0	1604.9	.2965	.9406	.5905	.9399	1.1012
.6000	.9675	59.9	2172.5	4193.1	526.30	65.5	1616.7	.3036	.9426	.5897	.9398	1.0930
.6100	.9688	59.0	2187.5	4188.2	526.23	64.1	1628.8	.3108	.9444	.5891	.9397	1.0849
.6200	.9701	58.2	2202.4	4183.2	526.16	62.6	1641.0	.3182	.9463	.5883	.9396	1.0764
.6300	.9713	57.3	2217.4	4178.4	526.08	61.2	1653.5	.3257	.9481	.5876	.9394	1.0679
.6400	.9724	56.5	2232.4	4173.7	526.01	59.8	1666.4	.3334	.9498	.5870	.9393	1.0593
.6500	.9736	55.7	2247.4	4169.3	525.95	58.5	1679.5	.3412	.9515	.5864	.9392	1.0506
.6600	.9747	54.9	2262.4	4164.8	525.89	57.2	1692.9	.3492	.9532	.5857	.9391	1.0418
.6700	.9758	54.1	2277.4	4160.7	525.83	55.9	1706.7	.3574	.9548	.5852	.9390	1.0329
.6800	.9768	53.4	2292.4	4155.3	525.76	54.7	1720.5	.3657	.9564	.5844	.9389	1.0237
.6900	.9779	52.7	2307.4	4151.3	525.69	53.5	1734.9	.3742	.9579	.5838	.9387	1.0147
.7000	.9789	52.0	2322.4	4149.1	525.63	52.3	1749.5	.3829	.9594	.5833	.9386	1.0055
.7100	.9798	51.3	2337.3	4143.0	525.57	51.1	1764.5	.3918	.9609	.5827	.9385	.9963
.7200	.9808	50.6	2352.3	4138.8	525.51	50.0	1779.9	.4009	.9624	.5821	.9384	.9869
.7300	.9817	50.0	2367.3	4134.6	525.45	48.9	1795.4	.4102	.9638	.5815	.9383	.9774
.7400	.9826	49.4	2382.3	4130.1	525.39	47.9	1811.4	.4199	.9652	.5809	.9382	.9678
.7500	.9835	48.8	2397.3	4126.6	525.34	46.7	1827.9	.4294	.9665	.5804	.9381	.9583
.7600	.9843	48.2	2412.3	4122.8	525.28	45.7	1844.7	.4394	.9679	.5798	.9380	.9484
.7700	.9852	47.6	2427.3	4118.3	525.23	44.7	1861.8	.4495	.9691	.5793	.9379	.9384
.7800	.9860	47.0	2442.3	4114.8	525.17	43.7	1879.5	.4600	.9704	.5789	.9378	.9280
.7900	.9868	46.4	2457.3	4112.1	525.13	42.7	1897.7	.4708	.9716	.5783	.9377	.9193
.8000	.9876	45.9	2472.3	4107.8	525.06	41.7	1916.1	.4816	.9728	.5777	.9376	.9092
.8100	.9883	45.4	2487.2	4103.7	525.00	40.8	1935.1	.4928	.9740	.5771	.9375	.8992
.8200	.9891	44.8	2502.2	4100.2	524.95	39.9	1954.6	.5043	.9752	.5767	.9374	.8890
.8300	.9898	44.3	2517.2	4096.8	524.90	39.0	1974.6	.5161	.9763	.5762	.9373	.8791
.8400	.9905	43.8	2532.2	4093.7	524.86	38.1	1995.2	.5283	.9774	.5757	.9372	.8689
.8500	.9912	43.4	2547.2	4091.2	524.82	37.2	2016.3	.5407	.9785	.5754	.9372	.8588
.8600	.9919	42.9	2562.2	4087.1	524.76	36.4	2037.9	.5534	.9796	.5748	.9371	.8485
.8700	.9925	42.4	2577.2	4083.6	524.71	35.5	2060.1	.5665	.9807	.5743	.9370	.8381
.8800	.9932	42.0	2592.2	4081.2	524.68	34.7	2082.8	.5800	.9817	.5740	.9369	.8278
.8900	.9938	41.5	2607.2	4077.3	524.62	33.9	2106.1	.5938	.9827	.5734	.9368	.8173
.9000	.9944	41.1	2622.2	4074.9	524.58	33.1	2130.0	.6080	.9837	.5731	.9368	.8069
.9100	.9950	40.7	2637.1	4071.8	524.54	32.4	2155.7	.6227	.9847	.5727	.9367	.7964
.9200	.9956	40.2	2652.1	4069.0	524.50	31.6	2181.7	.6377	.9856	.5723	.9366	.7859
.9300	.9962	39.8	2667.1	4065.9	524.45	30.9	2208.4	.6532	.9866	.5718	.9365	.7753
.9400	.9968	39.4	2682.1	4063.4	524.42	30.1	2235.0	.6692	.9875	.5715	.9365	.7647
.9500	.9974	39.0	2697.1	4060.3	524.37	29.4	2263.0	.6856	.9884	.5710	.9364	.7540
.9600	.9979	38.5	2712.1	4056.9	524.32	28.7	2291.9	.7025	.9893	.5706	.9363	.7432
.9700	.9984	38.1	2727.1	4054.1	524.28	28.0	2321.5	.7200	.9902	.5702	.9362	.7324
.9800	.9990	37.7	2742.1	4052.0	524.25	27.3	2352.0	.7381	.9910	.5699	.9362	.7217
.9900	.9995	37.5	2757.1	4049.6	524.21	26.7	2384.4	.7568	.9919	.5695	.9361	.7109
1.0000	1.0000	37.2	2772.1	4046.4	524.17	26.0	2417.2	.7760	.9927	.5691	.9360	.7000

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 570 K (PSAT 8217.9 KPA))

X0	A0	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	P*	T*	R*
0.0000	0.0000	718.6	1327.5	5468.1	542.71	427.7	1231.2	.0300	.4601	.6654	.9521	.5952
.0100	.1470	627.8	1341.8	5474.4	542.78	409.1	1236.6	.0331	.4852	.6661	.9523	.6569
.0200	.2506	549.9	1356.1	5473.5	542.77	391.3	1241.7	.0363	.5093	.6658	.9522	.7121
.0300	.3384	481.7	1370.4	5467.6	542.71	374.4	1246.7	.0396	.5322	.6653	.9521	.7615
.0400	.4058	444.8	1384.7	5458.8	542.60	358.5	1251.6	.0430	.5537	.6643	.9519	.8059
.0500	.4631	406.1	1399.0	5447.8	542.49	343.5	1256.5	.0464	.5740	.6629	.9517	.8458
.0600	.5118	373.6	1413.2	5434.6	542.32	329.4	1261.3	.0499	.5930	.6613	.9514	.8817
.0700	.5554	346.0	1427.5	5420.3	542.15	316.2	1266.1	.0534	.6110	.6595	.9511	.9140
.0800	.5987	322.4	1441.8	5405.2	541.89	303.8	1270.8	.0569	.6279	.6577	.9508	.9431
.0900	.6385	301.1	1456.1	5389.8	541.79	292.1	1275.6	.0605	.6439	.6559	.9505	.9694
.1000	.6459	283.1	1470.4	5373.9	541.61	281.1	1280.3	.0641	.6585	.6539	.9502	.9931
.1100	.6695	266.9	1484.7	5358.3	541.42	270.6	1285.0	.0678	.6725	.6520	.9499	1.0145
.1200	.6909	252.4	1499.0	5342.0	541.23	261.0	1289.7	.0715	.6857	.6500	.9495	1.0338
.1300	.7101	239.5	1513.3	5326.4	541.04	251.8	1294.3	.0752	.6981	.6481	.9492	1.0512
.1400	.7274	227.8	1527.6	5310.9	540.86	243.1	1301.4	.0790	.7099	.6463	.9489	1.0669
.1500	.7431	217.2	1541.9	5295.1	540.67	234.8	1306.6	.0828	.7210	.6443	.9485	1.0809
.1600	.7574	207.6	1556.2	5280.0	540.49	227.0	1312.0	.0868	.7315	.6423	.9482	1.0935
.1700	.7705	198.7	1570.5	5265.4	540.31	219.6	1317.3	.0907	.7415	.6409	.9479	1.1048
.1800	.7828	190.6	1584.9	5250.3	540.13	212.5	1322.5	.0944	.7510	.6389	.9476	1.1148
.1900	.7936	183.1	1599.2	5235.7	539.95	205.8	1327.7	.0983	.7600	.6371	.9473	1.1237
.2000	.8038	176.2	1613.3	5221.9	539.79	199.4	1334.4	.1023	.7685	.6344	.9470	1.1316
.2100	.8133	169.8	1627.6	5208.0	539.62	193.3	1340.2	.1064	.7767	.6337	.9467	1.1385
.2200	.8221	163.9	1641.9	5194.6	539.46	187.5	1345.1	.1105	.7844	.6321	.9464	1.1446
.2300	.8304	158.3	1656.2	5181.5	539.30	182.0	1350.1	.1146	.7918	.6303	.9461	1.1498
.2400	.8381	153.1	1670.5	5168.3	539.14	176.7	1358.3	.1188	.7989	.6289	.9458	1.1542
.2500	.8453	148.3	1684.8	5156.0	538.99	171.6	1364.3	.1230	.8057	.6274	.9456	1.1579
.2600	.8520	143.7	1699.1	5144.2	538.84	166.8	1370.8	.1273	.8121	.6260	.9453	1.1608
.2700	.8584	139.4	1713.4	5132.2	538.70	162.1	1377.2	.1316	.8185	.6245	.9451	1.1631
.2800	.8644	135.4	1727.7	5119.6	538.54	157.7	1383.7	.1360	.8243	.6230	.9448	1.1648
.2900	.8700	131.6	1742.0	5108.5	538.41	153.4	1390.3	.1404	.8300	.6216	.9446	1.1660
.3000	.8754	128.0	1756.3	5097.5	538.27	149.3	1397.1	.1449	.8355	.6203	.9443	1.1667
.3100	.8804	124.5	1770.5	5086.4	538.13	145.3	1403.9	.1494	.8407	.6189	.9441	1.1669
.3200	.8852	121.2	1784.8	5075.6	538.00	141.5	1410.9	.1540	.8458	.6177	.9439	1.1668
.3300	.8898	118.0	1799.1	5066.4	537.87	137.8	1418.0	.1587	.8506	.6164	.9436	1.1665
.3400	.8941	114.9	1813.4	5055.3	537.75	134.3	1425.2	.1634	.8553	.6152	.9434	1.1661
.3500	.8982	112.0	1827.7	5046.3	537.63	130.8	1432.5	.1682	.8598	.6139	.9432	1.1652
.3600	.9021	109.2	1842.0	5035.7	537.51	127.6	1440.0	.1730	.8642	.6129	.9430	1.1641
.3700	.9059	106.4	1856.3	5026.6	537.39	124.5	1447.6	.1780	.8684	.6117	.9428	1.1627
.3800	.9094	104.0	1870.6	5016.6	537.27	121.4	1455.3	.1829	.8724	.6104	.9426	1.1609
.3900	.9129	101.6	1884.9	5008.2	537.16	118.4	1463.2	.1880	.8763	.6094	.9424	1.1588
.4000	.9162	100.4	1899.2	4999.4	537.05	115.6	1471.1	.1931	.8801	.6083	.9422	1.1566
.4100	.9193	98.3	1913.5	4990.3	536.94	112.9	1479.2	.1983	.8838	.6073	.9420	1.1471
.4200	.9223	96.3	1927.8	4981.7	536.83	110.1	1487.4	.2036	.8873	.6062	.9418	1.1433
.4300	.9252	94.5	1942.1	4973.5	536.73	107.5	1495.9	.2090	.8907	.6053	.9416	1.1394
.4400	.9279	92.5	1956.3	4965.2	536.63	105.0	1504.4	.2144	.8941	.6043	.9414	1.1351
.4500	.9306	90.7	1970.6	4957.4	536.53	102.5	1513.1	.2200	.8975	.6032	.9413	1.1307
.4600	.9332	89.0	1984.9	4949.6	536.43	100.2	1522.0	.2256	.9004	.6023	.9411	1.1260
.4700	.9356	87.3	1999.2	4942.0	536.33	97.9	1531.0	.2313	.9034	.6014	.9409	1.1211
.4800	.9380	85.7	2013.5	4935.6	536.25	95.6	1540.2	.2371	.9063	.6006	.9408	1.1161
.4900	.9403	84.1	2027.8	4927.1	536.15	93.5	1549.5	.2429	.9092	.5998	.9406	1.1109
.5000	.9425	82.7	2042.1	4920.1	536.06	91.4	1559.0	.2489	.9120	.5987	.9405	1.1052
.5100	.9446	81.2	2056.4	4913.5	535.97	89.3	1568.7	.2550	.9146	.5979	.9403	1.0996
.5200	.9467	79.8	2070.7	4906.7	535.89	87.3	1578.6	.2612	.9172	.5971	.9402	1.0938
.5300	.9487	78.5	2085.0	4899.8	535.80	85.4	1588.6	.2675	.9198	.5963	.9400	1.0878
.5400	.9506	77.2	2099.3	4893.8	535.72	83.5	1598.9	.2738	.9222	.5955	.9399	1.0818
.5500	.9525	75.9	2113.6	4886.4	535.63	81.7	1609.2	.2803	.9247	.5946	.9397	1.0753
.5600	.9543	74.7	2127.9	4880.0	535.55	79.9	1619.8	.2869	.9270	.5938	.9396	1.0689
.5700	.9560	73.5	2142.1	4874.2	535.47	78.1	1630.7	.2937	.9293	.5931	.9394	1.0624
.5800	.9577	72.4	2156.4	4867.6	535.39	76.4	1641.6	.3005	.9315	.5923	.9393	1.0554
.5900	.9593	71.3	2170.7	4862.4	535.32	74.8	1652.9	.3075	.9336	.5917	.9392	1.0484
.6000	.9609	70.2	2185.0	4855.7	535.24	73.2	1664.3	.3149	.9359	.5909	.9390	1.0418
.6100	.9625	69.2	2199.3	4849.7	535.16	71.6	1676.0	.3218	.9378	.5901	.9389	1.0347
.6200	.9640	68.2	2213.6	4844.1	535.09	70.0	1687.9	.3289	.9398	.5895	.9388	1.0273
.6300	.9654	67.2	2227.9	4838.4	535.02	68.5	1700.0	.3362	.9418	.5888	.9386	1.0202
.6400	.9668	66.2	2242.2	4833.2	534.95	67.1	1712.4	.3442	.9437	.5881	.9385	1.0129
.6500	.9682	65.3	2256.5	4828.4	534.89	65.7	1725.1	.3520	.9455	.5875	.9384	1.0054
.6600	.9695	64.4	2270.8	4822.4	534.81	64.3	1737.9	.3599	.9474	.5868	.9383	.9976
.6700	.9708	63.5	2285.1	4818.0	534.75	62.9	1751.1	.3680	.9491	.5863	.9382	.9900
.6800	.9721	62.7	2299.4	4813.5	534.69	61.6	1764.5	.3763	.9509	.5856	.9380	.9827
.6900	.9733	61.9	2313.6	4807.3	534.62	60.3	1778.2	.3846	.9526	.5850	.9379	.9743
.7000	.9745	61.0	2327.9	4802.3	534.55	59.0	1792.2	.3932	.9542	.5844	.9378	.9663
.7100	.9757	60.3	2342.2	4797.5	534.49	57.7	1806.5	.4023	.9558	.5838	.9377	.9587
.7200	.9768	59.5	2356.5	4792.9	534.43	56.5	1821.1	.4109	.9574	.5832	.9376	.9501
.7300	.9779	58.7	2370.8	4788.9	534.37	55.3	1836.0	.4200	.9590	.5825	.9375	.9419
.7400	.9790	58.0	2385.1	4783.0	534.31	54.2	1851.2	.4293	.9605	.5821	.9374	.9336
.7500	.9801	57.3	2399.4	4779.5	534.26	53.0	1866.9	.4388	.9620	.5816	.9373	.9253
.7600	.9811	56.6	2413.7	4775.0	534.20	51.9	1882.8	.4483	.9634	.5811	.9372	.9169
.7700	.9821	55.9	2428.0	4770.6	534.14	50.8	1899.1	.4585	.9648	.5805	.9371	.9083
.7800	.9831	55.3	2442.3	4765.8	534.08	49.7	1915.7	.4686	.9662	.5799	.9370	.8997
.7900	.9840	54.6	2456.6	4761.4	534.02	48.7	1932.7	.4789	.9675	.5794	.9369	.8913
.8000	.9850	54.0	2470.9	4757.4	533.97	47.6	1950.2	.4896	.9689	.5789	.9368	.8824
.8100	.9859	53.4	2485.2	4753.8	533.93	46.6	1968.1	.5004	.9702	.5785	.9367	.8737
.8200	.9868	52.8	2499.4	4749.8	533.87	45.6	1986.4	.5119	.9715	.5780	.9366	.8648
.8300	.9877	52.2	2513.7	4745.8	533.82	44.7	2005.1	.5229	.9728	.5775	.9365	.8560
.8400	.9885	51.6	2528.0	4741.3	533.76	43.7	2024.2	.5345	.9740	.5770	.9364	.8470
.8500	.9893	51.0	2542.3	4737.5	533.71	42.8	2043.9	.5464	.9752	.5765	.9363	.8380
.8600	.9902	50.5	2556.6	4733.7	533.66	41.9	2064.0	.5586	.9764	.5760	.9363	.8290
.8700	.9910	49.9	2570.9	4730.5	533.62	41.0	2084.7	.5711	.9776	.5756	.9362	.8199
.8800	.9917	49.4	2585.2	4726.5	533.57	40.1	2105.8	.5839	.9787	.5751	.9361	.8107
.8900	.9925	48.9	2599.5	4722.3	533.51	39.2	2127.6	.5971	.9798	.5744	.9360	.8016
.9000	.9933	48.4	2613.8	4718.9	533.47	38.3	2149.8	.6103	.9809	.5742	.9359	.7923
.9100	.9940	47.9	2628.1	4716.1	533.43	37.5	2172.8	.6244	.9820	.5739	.9358	.7831
.9200	.9947	47.4	2642.4	4711.9	533.38	36.7	2196.2	.6386	.9831	.5734	.9358	.7737
.9300	.9954	46.9	2656.7	4708.4	533.33	35.9	2220.4	.6533	.9841	.5729	.9357	.7644
.9400	.9961	46.5	2671.0	4705.4	533.30	35.1	2245.2	.6691	.9851	.5726	.9356	.7550
.9500	.9968	46.0	2685.3	4702.4	533.26	34.3	2270.7	.6835	.9861	.5722	.9355	.7456
.9600	.9975	45.6	2699.5	4699.2	533.21	33.5	2297.0	.6994	.9871	.5718	.9355	.7361
.9700	.9981	45.1	2713.8	4696.0	533.17	32.8	2324.0	.7156	.9881	.5714	.9354	.7266
.9800	.9988	44.7	2728.1	4692.8	533.13	32.0	2351.7	.7324	.9891	.5710	.9353	.7170
.9900	.9994	44.3	2742.4	4689.6	533.09	31.3	2380.3	.7496	.9900	.5709	.9352	.7074
1.0000	1.0000	43.8	2756.7	4686.0	533.04	30.6	2409.7	.7673	.9909	.5707	.9352	.6977

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 900 K (PSAT 9432.9 KPA))

XO	AO	SO KG/M3	HO KJ/KG	PO KPA	TO K	RO KG/M3	HO KJ/KG	X*	A*	PR	TR	PR
0.0000	0.0000	697.6	1354.1	6245.8	551.33	419.9	1282.7	.0356	.4633	.6607	.9506	.6013
.0100	.1198	620.2	1337.6	6248.6	551.36	401.1	1287.9	.0389	.4860	.6610	.9506	.6493
.0200	.2388	543.8	1321.1	6249.4	551.34	387.4	1293.0	.0422	.5078	.6608	.9506	.6939
.0300	.3560	467.3	1304.6	6250.7	551.37	372.4	1298.1	.0489	.5474	.6601	.9505	.7338
.0400	.3560	467.3	1304.6	6250.7	551.37	358.3	1303.2	.0492	.5442	.6591	.9503	.7699
.0500	.4150	429.6	1451.7	6218.9	551.05	344.8	1307.9	.0527	.5649	.6579	.9501	.8027
.0600	.4725	388.9	1465.2	6206.4	550.91	332.1	1312.9	.0563	.5845	.6566	.9499	.8326
.0700	.5286	348.1	1478.8	6177.2	550.60	320.0	1317.9	.0599	.6013	.6551	.9496	.8598
.0800	.5836	307.4	1492.3	6140.9	550.18	308.5	1322.8	.0635	.6160	.6534	.9493	.8845
.0900	.6377	266.6	1505.8	6140.9	550.18	297.4	1327.8	.0673	.6320	.6519	.9490	.9070
.1000	.6907	310.3	1910.4	6140.9	550.28	287.8	1332.4	.0710	.6461	.6503	.9488	.9275
.1100	.6249	394.0	1232.9	6139.5	550.11	278.2	1337.9	.0748	.6596	.6485	.9485	.9461
.1200	.6477	379.3	1540.4	6108.3	549.98	269.5	1343.1	.0786	.6727	.6469	.9482	.9631
.1300	.6688	364.6	1547.9	6099.6	549.78	261.2	1348.2	.0825	.6853	.6453	.9479	.9786
.1400	.6870	349.8	1555.5	6087.7	549.60	252.0	1353.3	.0864	.6987	.6438	.9476	.9925
.1500	.7040	243.9	1557.0	6067.8	549.43	244.2	1359.0	.0903	.7066	.6419	.9473	1.0052
.1600	.7197	232.8	1600.5	6055.3	549.27	236.7	1364.4	.0943	.7170	.6403	.9470	1.0167
.1700	.7341	221.5	1614.1	6037.3	549.00	229.5	1370.0	.0983	.7268	.6387	.9467	1.0271
.1800	.7474	210.2	1627.6	6021.6	548.80	222.7	1375.5	.1023	.7365	.6370	.9464	1.0364
.1900	.7597	198.9	1641.1	6006.8	548.77	216.2	1381.0	.1064	.7455	.6354	.9461	1.0447
.2000	.7712	190.5	1654.7	5993.0	548.62	210.0	1389.0	.1105	.7539	.6340	.9459	1.0523
.2100	.7818	182.7	1668.7	5978.2	548.46	204.0	1392.8	.1147	.7619	.6324	.9456	1.0589
.2200	.7918	180.2	1681.3	5964.1	548.31	198.3	1398.4	.1189	.7698	.6309	.9454	1.0654
.2300	.8011	180.2	1693.9	5951.0	548.19	192.9	1404.0	.1231	.7777	.6295	.9451	1.0701
.2400	.8098	174.6	1708.4	5936.9	548.01	187.6	1410.9	.1274	.7845	.6281	.9448	1.0745
.2500	.8180	169.3	1722.1	5923.8	547.87	182.6	1417.1	.1318	.7913	.6267	.9446	1.0784
.2600	.8257	164.3	1735.9	5911.3	547.73	177.8	1423.4	.1362	.7979	.6253	.9444	1.0817
.2700	.8329	159.6	1749.8	5898.1	547.59	173.1	1429.8	.1406	.8043	.6240	.9441	1.0843
.2800	.8398	155.2	1762.9	5888.7	547.45	168.6	1436.3	.1451	.8104	.6226	.9439	1.0865
.2900	.8463	151.0	1776.5	5873.5	547.31	164.3	1442.9	.1496	.8163	.6213	.9436	1.0882
.3000	.8525	149.0	1790.0	5861.7	547.18	160.2	1449.6	.1542	.8214	.6201	.9434	1.0894
.3100	.8583	143.3	1803.5	5849.9	547.05	156.2	1456.4	.1589	.8274	.6188	.9432	1.0903
.3200	.8638	139.7	1817.0	5839.8	546.94	152.4	1463.4	.1636	.8326	.6178	.9430	1.0907
.3300	.8691	136.3	1830.6	5827.6	546.80	148.8	1470.4	.1683	.8377	.6169	.9428	1.0905
.3400	.8741	133.0	1844.1	5816.4	546.68	145.3	1477.5	.1732	.8426	.6155	.9425	1.0901
.3500	.8789	130.0	1857.6	5805.8	546.56	141.5	1484.8	.1780	.8473	.6142	.9423	1.0893
.3600	.8835	127.0	1871.2	5795.2	546.44	138.7	1492.1	.1830	.8519	.6131	.9421	1.0883
.3700	.8879	124.2	1884.7	5785.1	546.33	135.0	1499.6	.1880	.8563	.6120	.9419	1.0869
.3800	.8920	121.6	1898.2	5774.0	546.22	131.8	1507.2	.1931	.8605	.6109	.9418	1.0851
.3900	.8960	118.9	1911.8	5765.0	546.11	128.8	1514.9	.1982	.8646	.6099	.9416	1.0831
.4000	.8999	116.4	1925.3	5745.5	546.00	125.8	1522.8	.2034	.8686	.6088	.9.14	1.0808
.4100	.9035	114.0	1938.8	5746.5	545.90	123.0	1530.8	.2087	.8725	.6079	.9412	1.0784
.4200	.9071	111.8	1952.4	5736.4	545.78	120.3	1538.8	.2141	.8762	.6068	.9410	1.0755
.4300	.9106	109.5	1965.9	5728.1	545.69	117.6	1547.1	.2195	.8799	.6060	.9408	1.0725
.4400	.9137	107.5	1979.4	5718.0	545.58	115.0	1555.3	.2250	.8834	.6047	.9407	1.0692
.4500	.9169	105.4	1992.9	5710.8	545.49	112.4	1564.0	.2305	.8868	.6041	.9405	1.0654
.4600	.9199	103.5	2006.5	5701.3	545.39	109.9	1572.6	.2362	.8901	.6031	.9403	1.0621
.4700	.9228	101.6	2020.1	5693.4	545.30	107.5	1581.4	.2420	.8933	.6023	.9402	1.0583
.4800	.9256	99.8	2033.7	5684.7	545.20	105.2	1590.4	.2478	.8965	.6014	.9400	1.0541
.4900	.9283	98.0	2047.4	5676.4	545.11	102.9	1599.4	.2537	.8995	.6005	.9398	1.0498
.5000	.9309	96.4	2060.6	5668.7	545.02	100.7	1608.7	.2598	.9025	.5997	.9397	1.0455
.5100	.9335	94.7	2074.4	5660.7	544.93	98.6	1618.1	.2658	.9054	.5988	.9395	1.0408
.5200	.9360	93.1	2088.1	5653.3	544.84	96.5	1627.7	.2720	.9082	.5980	.9394	1.0361
.5300	.9383	91.6	2101.9	5646.4	544.77	94.5	1637.4	.2783	.9109	.5971	.9393	1.0313
.5400	.9406	90.1	2115.7	5639.0	544.68	92.5	1647.3	.2849	.9135	.5965	.9391	1.0262
.5500	.9428	88.7	2129.5	5631.1	544.59	90.6	1657.4	.2912	.9161	.5959	.9390	1.0209
.5600	.9449	87.3	2143.4	5624.7	544.52	88.7	1667.7	.2978	.9186	.5950	.9388	1.0157
.5700	.9470	86.0	2157.3	5617.7	544.44	86.9	1678.1	.3045	.9211	.5943	.9387	1.0102
.5800	.9490	84.7	2171.3	5610.6	544.36	85.1	1688.7	.3113	.9234	.5936	.9386	1.0044
.5900	.9510	83.4	2185.3	5603.7	544.28	83.3	1699.5	.3182	.9258	.5929	.9384	.9988
.6000	.9529	82.2	2199.4	5597.0	544.20	81.6	1710.5	.3253	.9281	.5921	.9383	.9929
.6100	.9547	81.0	2213.6	5590.5	544.13	79.9	1721.7	.3324	.9303	.5914	.9382	.9870
.6200	.9565	79.9	2227.8	5584.0	544.05	78.3	1733.1	.3397	.9325	.5907	.9380	.9809
.6300	.9582	78.7	2242.0	5577.8	543.98	76.7	1744.7	.3471	.9346	.5900	.9379	.9747
.6400	.9599	77.6	2256.3	5571.8	543.91	75.2	1756.6	.3546	.9367	.5894	.9378	.9684
.6500	.9616	76.5	2270.6	5565.6	543.84	73.7	1768.6	.3623	.9387	.5889	.9377	.9621
.6600	.9632	75.5	2285.1	5559.6	543.77	72.2	1780.9	.3701	.9407	.5881	.9375	.9556
.6700	.9649	74.5	2299.6	5553.8	543.70	70.7	1793.4	.3780	.9426	.5875	.9374	.9491
.6800	.9663	73.5	2314.2	5548.0	543.64	69.3	1806.2	.3861	.9445	.5869	.9373	.9424
.6900	.9677	72.6	2328.7	5543.0	543.58	67.9	1819.2	.3941	.9464	.5864	.9372	.9358
.7000	.9692	71.7	2343.2	5537.4	543.52	66.6	1832.5	.4027	.9482	.5858	.9371	.9290
.7100	.9706	70.7	2344.8	5531.9	543.45	65.2	1846.0	.4113	.9498	.5852	.9370	.9220
.7200	.9720	69.9	2358.3	5526.9	543.38	63.9	1859.8	.4200	.9517	.5846	.9369	.9150
.7300	.9733	69.0	2371.8	5521.9	543.32	62.6	1873.8	.4288	.9534	.5840	.9368	.9078
.7400	.9746	68.2	2385.3	5516.5	543.26	61.4	1888.2	.4379	.9550	.5834	.9367	.9006
.7500	.9759	67.3	2398.9	5510.2	543.20	60.2	1902.8	.4471	.9567	.5829	.9366	.8936
.7600	.9771	66.5	2412.4	5505.4	543.14	59.0	1917.8	.4565	.9583	.5824	.9365	.8864
.7700	.9783	65.8	2425.9	5500.3	543.08	57.8	1933.0	.4660	.9598	.5819	.9364	.8790
.7800	.9795	65.0	2439.5	5495.9	543.03	56.6	1948.7	.4758	.9613	.5814	.9363	.8717
.7900	.9807	64.2	2453.0	5490.6	542.97	55.5	1964.8	.4859	.9628	.5808	.9362	.8642
.8000	.9818	63.5	2466.5	5485.7	542.92	54.4	1980.8	.4961	.9643	.5803	.9361	.8569
.8100	.9829	62.8	2480.1	5481.6	542.87	53.3	1997.4	.5065	.9657	.5798	.9360	.8491
.8200	.9840	62.1	2493.6	5477.0	542.81	52.3	2014.4	.5170	.9672	.5794	.9359	.8413
.8300	.9850	61.4	2507.2	5472.3	542.76	51.2	2031.7	.5280	.9686	.5789	.9358	.8334
.8400	.9861	60.7	2520.7	5467.3	542.70	50.2	2049.4	.5391	.9699	.5784	.9357	.8250
.8500	.9871	60.1	2534.2	5463.6	542.66	49.2	2067.6	.5504	.9712	.5780	.9356	.8182
.8600	.9881	59.5	2547.7	5458.5	542.60	48.2	2086.1	.5620	.9725	.5774	.9355	.8103
.8700	.9890	58.8	2561.2	5454.8	542.56	47.3	2105.1	.5739	.9739	.5771	.9354	.8024
.8800	.9900	58.2	2574.8	5450.7	542.51	46.3	2124.5	.5860	.9751	.5765	.9354	.7943
.8900	.9909	57.6	2588.3	5445.3	542.45	45.3	2144.3	.5984	.9763	.5761	.9353	.7864
.9000	.9918	57.0	2601.8	5442.3	542.41	44.4	2164.7	.6111	.9775	.5757	.9352	.7785
.9100	.9927	56.5	2615.4	5437.7	542.36	43.5	2185.4	.6240	.9787	.5752	.9351	.7703
.9200	.9936	55.9	2628.9	5433.8	542.31	42.6	2206.8	.6373	.9799	.5748	.9350	.7622
.9300	.9944	55.3	2642.4	5430.3	542.27	41.7	2228.7	.6510	.9811	.5745	.9349	.7541
.9400	.9953	54.8	2655.9	5426.0	542.22	40.9	2251.0	.6649	.9822	.5740	.9349	.7458
.9500	.9961	54.3	2669.5	5422.0	542.17	40.0	2274.0	.6793	.9833	.5736	.9348	.7376
.9600	.9969	53.7	2683.0	5418.8	542.13	39.2	2297.6	.6939	.9844	.5732	.9347	.7291
.9700	.9977	53.2	2696.5	5414.2	542.08	38.4	2321.7	.7088	.9855	.5728	.9346	.7209
.9800	.9985	52.7	2710.1	5410.5	542.04	37.5	2346.5	.7243	.9865	.5724	.9345	.7124
.9900	.9993	52.2	2723.6	5407.7	542.00	36.8	2372.0	.7401	.9876	.5721	.9345	.7041
1.0000	1.0000	51.8	2737.2	5401.8	541.93	36.0	2398.1	.7561	.9886	.5715	.9344	.6957

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 590 K (PSAT 10826.1 KPA))

X0	A0	R0 KG/M3	H0 KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	Z*	TR	RR
.0000	0.0000	674.6	1443.3	7103.0	559.93	409.6	1336.4	.0425	.4688	.6561	.9490	.6071
.0100	.1002	613.2	1456.0	7103.0	559.93	395.3	1341.6	.0459	.4890	.6561	.9496	.6447
.0200	.1836	562.0	1468.7	7098.0	559.88	381.9	1346.6	.0494	.5086	.6556	.9490	.6791
.0300	.2542	518.7	1481.4	7090.8	559.81	368.6	1351.6	.0530	.5272	.6550	.9488	.7104
.0400	.3149	481.6	1494.1	7081.2	559.71	356.2	1356.6	.0565	.5450	.6541	.9487	.7396
.0500	.3671	448.4	1506.7	7069.4	559.61	344.3	1361.5	.0603	.5620	.6530	.9485	.7661
.0600	.4129	421.3	1519.4	7055.1	559.50	333.1	1366.5	.0640	.5781	.6520	.9483	.7906
.0700	.4534	396.5	1532.1	7040.3	559.38	322.4	1371.4	.0679	.5938	.6502	.9481	.8129
.0800	.4892	374.5	1544.8	7024.5	559.26	312.0	1376.3	.0719	.6092	.6483	.9478	.8333
.0900	.5218	354.7	1557.5	7007.4	559.12	302.0	1381.2	.0764	.6241	.6479	.9476	.8522
.1000	.5505	337.0	1570.2	6988.8	558.97	293.0	1386.0	.0792	.6384	.6469	.9473	.8697
.1100	.5765	320.9	1582.9	6983.4	558.78	284.1	1391.8	.0831	.6481	.6451	.9471	.8854
.1200	.6004	306.3	1595.6	6969.2	558.62	276.4	1396.0	.0870	.6603	.6439	.9468	.8999
.1300	.6232	293.0	1608.3	6952.4	558.48	267.6	1400.8	.0910	.6719	.6427	.9466	.9134
.1400	.6451	280.8	1621.0	6936.2	558.33	260.9	1405.6	.0948	.6827	.6409	.9463	.9264
.1500	.6664	269.5	1633.7	6921.2	558.17	252.5	1410.3	.0990	.6932	.6393	.9461	.9388
.1600	.6873	259.1	1646.4	6905.4	558.02	245.4	1415.1	.1031	.7032	.6379	.9458	.9470
.1700	.7080	249.5	1659.1	6889.7	557.89	238.6	1419.8	.1074	.7128	.6364	.9456	.9563
.1800	.7285	240.6	1671.8	6875.2	557.77	232.0	1424.5	.1117	.7220	.6351	.9453	.9654
.1900	.7491	232.3	1684.5	6859.9	557.59	225.7	1429.2	.1165	.7309	.6336	.9450	.9724
.2000	.7697	224.6	1697.2	6844.8	557.43	219.9	1440.9	.1198	.7394	.6323	.9448	.9794
.2100	.7905	217.3	1709.8	6830.2	557.28	214.2	1446.8	.1240	.7475	.6308	.9445	.9857
.2200	.8116	210.5	1722.5	6815.2	557.14	208.7	1452.7	.1283	.7553	.6296	.9443	.9915
.2300	.8329	204.1	1735.2	6802.0	557.02	203.4	1458.7	.1330	.7628	.6283	.9441	.9963
.2400	.8548	198.1	1747.8	6788.0	556.89	198.3	1464.7	.1381	.7700	.6270	.9438	1.0007
.2500	.8770	192.5	1760.6	6774.3	556.73	193.4	1470.9	.1419	.7769	.6254	.9436	1.0046
.2600	.8997	187.1	1773.3	6761.5	556.60	188.6	1477.1	.1460	.7836	.6244	.9434	1.0081
.2700	.9230	182.0	1786.0	6748.2	556.47	184.1	1483.5	.1504	.7900	.6233	.9432	1.0110
.2800	.9468	177.2	1798.7	6734.8	556.33	179.6	1489.9	.1551	.7962	.6221	.9430	1.0135
.2900	.9713	172.6	1811.4	6722.1	556.20	175.4	1496.4	.1597	.8022	.6209	.9427	1.0156
.3000	.9965	168.4	1824.1	6710.3	556.09	171.3	1503.0	.1644	.8080	.6198	.9425	1.0170
.3100	.0220	164.3	1836.8	6697.6	555.97	167.3	1509.7	.1691	.8136	.6187	.9423	1.0182
.3200	.0483	160.4	1849.5	6685.0	555.85	163.4	1516.5	.1739	.8189	.6176	.9421	1.0191
.3300	.0754	156.6	1862.2	6673.3	555.73	159.7	1523.4	.1788	.8242	.6164	.9419	1.0196
.3400	.1032	153.1	1874.9	6662.7	555.62	156.1	1530.4	.1837	.8292	.6154	.9417	1.0198
.3500	.1318	149.7	1887.6	6650.8	555.50	152.6	1537.5	.1886	.8341	.6143	.9415	1.0196
.3600	.1611	146.4	1900.2	6639.4	555.38	149.2	1544.7	.1936	.8388	.6133	.9413	1.0191
.3700	.1912	143.3	1912.9	6628.0	555.28	146.0	1552.0	.1987	.8434	.6123	.9411	1.0184
.3800	.2220	140.3	1925.6	6617.7	555.17	142.8	1559.4	.2038	.8478	.6113	.9410	1.0174
.3900	.2537	137.5	1938.3	6607.2	555.06	139.7	1566.9	.2090	.8521	.6103	.9408	1.0162
.4000	.2862	134.7	1951.0	6596.9	554.96	136.7	1574.6	.2143	.8563	.6094	.9406	1.0149
.4100	.3195	132.1	1963.7	6586.8	554.85	133.8	1582.3	.2196	.8603	.6084	.9404	1.0134
.4200	.3536	129.5	1976.4	6578.1	554.77	131.0	1590.3	.2250	.8642	.6076	.9403	1.0117
.4300	.3886	127.1	1989.1	6567.7	554.66	128.3	1598.2	.2304	.8681	.6065	.9401	1.0099
.4400	.4245	124.7	2001.8	6558.0	554.56	125.6	1606.3	.2360	.8716	.6054	.9399	1.0080
.4500	.4602	122.5	2014.5	6548.5	554.46	122.9	1614.6	.2416	.8754	.6049	.9398	1.0059
.4600	.4937	120.3	2027.2	6538.7	554.37	120.4	1622.9	.2472	.8789	.6040	.9396	1.0011
.4700	.5276	118.2	2039.9	6529.5	554.27	118.0	1631.4	.2530	.8823	.6031	.9394	.9988
.4800	.5608	116.1	2052.6	6520.4	554.18	115.5	1640.0	.2588	.8856	.6023	.9393	.9950
.4900	.5939	114.2	2065.3	6511.8	554.09	113.2	1648.8	.2647	.8889	.6015	.9391	.9917
.5000	.6268	112.3	2078.0	6503.0	554.00	110.8	1657.9	.2707	.8920	.6007	.9390	.9882
.5100	.6598	110.4	2090.6	6495.1	553.92	108.7	1666.8	.2768	.8951	.6000	.9388	.9847
.5200	.6927	108.6	2103.3	6486.1	553.83	106.5	1675.9	.2830	.8980	.5991	.9387	.9808
.5300	.7255	106.9	2116.0	6478.7	553.75	104.4	1685.3	.2892	.9009	.5984	.9386	.9770
.5400	.7582	105.2	2128.7	6470.0	553.66	102.4	1694.8	.2955	.9038	.5976	.9384	.9729
.5500	.7909	103.6	2141.4	6462.1	553.58	100.4	1704.4	.3020	.9066	.5969	.9383	.9687
.5600	.8234	102.0	2154.1	6454.9	553.51	98.4	1714.2	.3085	.9093	.5962	.9381	.9644
.5700	.8559	100.5	2166.8	6446.5	553.42	96.5	1724.1	.3151	.9119	.5955	.9380	.9598
.5800	.8883	99.0	2179.5	6439.6	553.35	94.6	1734.3	.3219	.9145	.5949	.9379	.9554
.5900	.9207	97.6	2192.2	6432.2	553.27	92.8	1744.6	.3287	.9170	.5941	.9378	.9508
.6000	.9530	96.2	2204.9	6424.3	553.19	91.0	1755.0	.3356	.9194	.5934	.9376	.9459
.6100	.9852	94.9	2217.6	6417.1	553.12	89.3	1765.6	.3426	.9218	.5927	.9375	.9410
.6200	.0173	93.5	2230.3	6410.0	553.04	87.5	1776.5	.3498	.9242	.5921	.9374	.9360
.6300	.0494	92.3	2243.0	6403.7	552.98	85.9	1787.5	.3571	.9265	.5914	.9373	.9310
.6400	.0814	91.0	2255.7	6396.8	552.91	84.3	1798.7	.3644	.9287	.5909	.9372	.9260
.6500	.1134	89.8	2268.4	6389.6	552.83	82.6	1810.0	.3719	.9309	.5902	.9370	.9204
.6600	.1453	88.6	2281.0	6383.6	552.77	81.1	1821.6	.3795	.9330	.5896	.9369	.9151
.6700	.1772	87.5	2293.7	6376.4	552.70	79.6	1833.4	.3873	.9351	.5890	.9368	.9096
.6800	.2090	86.3	2306.4	6369.8	552.64	78.1	1845.3	.3951	.9372	.5884	.9367	.9040	.9040
.6900	.2408	85.2	2319.1	6363.5	552.58	76.6	1857.4	.4031	.9392	.5878	.9365	.8984
.7000	.2726	84.2	2331.8	6357.4	552.52	75.1	1870.0	.4113	.9411	.5872	.9364	.8927
.7100	.3043	83.1	2344.5	6351.9	552.44	73.7	1882.6	.4196	.9431	.5867	.9363	.8869
.7200	.3359	82.1	2357.2	6345.2	552.37	72.4	1895.5	.4280	.9450	.5861	.9362	.8810
.7300	.3675	81.1	2369.9	6339.5	552.32	71.0	1908.6	.4365	.9468	.5855	.9361	.8751
.7400	.3991	80.2	2382.6	6333.5	552.26	69.7	1921.9	.4452	.9486	.5850	.9360	.8691
.7500	.4306	79.2	2395.3	6327.5	552.19	68.4	1935.5	.4541	.9504	.5845	.9359	.8630
.7600	.4621	78.3	2408.0	6322.0	552.13	67.1	1949.4	.4631	.9521	.5840	.9358	.8568
.7700	.4936	77.4	2420.7	6315.9	552.07	65.9	1963.5	.4723	.9538	.5834	.9357	.8506
.7800	.5250	76.5	2433.4	6310.9	552.01	64.6	1977.9	.4817	.9555	.5829	.9356	.8444
.7900	.5564	75.7	2446.1	6305.9	551.96	63.5	1992.6	.4912	.9571	.5825	.9355	.8381
.8000	.5878	74.8	2458.8	6300.6	551.91	62.2	2007.5	.5010	.9587	.5820	.9354	.8317
.8100	.6192	74.0	2471.5	6295.3	551.85	61.1	2022.8	.5109	.9603	.5815	.9353	.8253
.8200	.6505	73.2	2484.1	6290.0	551.80	59.9	2038.3	.5209	.9619	.5810	.9352	.8187
.8300	.6818	72.4	2496.8	6284.2	551.73	58.8	2054.1	.5312	.9634	.5805	.9351	.8121
.8400	.7130	71.6	2509.5	6278.9	551.68	57.7	2070.3	.5417	.9649	.5800	.9350	.8055
.8500	.7442	70.9	2522.2	6274.1	551.63	56.6	2086.9	.5524	.9663	.5795	.9350	.7988
.8600	.7754	70.1	2534.9	6269.9	551.58	55.6	2103.7	.5633	.9678	.5792	.9349	.7922
.8700	.8066	69.4	2547.6	6266.4	551.53	54.5	2120.9	.5744	.9692	.5785	.9348	.7853
.8800	.8378	68.7	2560.3	6259.6	551.48	53.5	2138.4	.5857	.9705	.5782	.9347	.7785
.8900	.8689	68.0	2573.0	6254.9	551.43	52.5	2156.3	.5973	.9720	.5778	.9346	.7717
.9000	.9000	67.3	2585.7	6250.9	551.38	51.5	2174.7	.6092	.9733	.5774	.9345	.7648
.9100	.9311	66.7	2598.4	6246.1	551.33	50.5	2193.4	.6212	.9746	.5770	.9345	.7579
.9200	.9622	66.0	2611.1	6240.8	551.28	49.6	2212.5	.6335	.9759	.5765	.9344	.7508
.9300	.9932	65.4	2623.8	6237.1	551.24	48.5	2232.1	.6462	.9772	.5761	.9343	.7438
.9400	.0242	64.7	2636.5	6232.1	551.19	47.7	2252.0	.6590	.9784	.5757	.9342	.7367
.9500	.0552	64.1	2649.2	6228.2	551.14	46.8	2272.4	.6722	.9797	.5753	.9341	.7296
.9600	.0862	63.5	2661.9	6223.9	551.10	45.9	2293.3	.6857	.9809	.5749	.9341	.7225
.9700	.0972	62.9	2674.5	6218.6	551.04	45.0	2314.6	.6994	.9821	.5744	.9340	.7153
.9800	.0982	62.4	2687.2	6214.4	551.00	44.1	2336.5	.7134	.9832	.5740	.9339	.7080
.9900	.0991	61.8	2699.9	6211.2	550.97	43.3	2358.9	.7279	.9844	.5737	.9338	.7006
1.0000	1.0100	61.2	2712.6	6206.5	550.92	42.5	2381.8	.7424	.9855	.5733	.9338	.6934

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 600 K (PSAT 12349.4 KPA))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	-S	TR	RR
0.0000	0.0000	649.1	1505.9	8045.5	568.51	397.8	1393.2	.0513	.4771	.6515	.9475	.6128
.0100	.0826	601.3	1517.7	8042.2	568.49	385.6	1398.2	.0549	.4950	.6512	.9475	.6412
.0200	.1540	560.4	1529.4	8037.5	568.43	374.0	1403.2	.0585	.5118	.6507	.9474	.6694
.0300	.2165	524.9	1541.1	8031.4	568.36	362.8	1408.2	.0622	.5278	.6500	.9473	.6917
.0400	.2709	493.0	1552.9	8024.0	568.26	352.0	1413.2	.0659	.5447	.6491	.9471	.7161
.0500	.3195	465.0	1564.7	8005.4	568.16	341.8	1417.9	.0697	.5598	.6482	.9469	.7350
.0600	.3628	440.0	1576.5	7982.1	567.85	331.9	1422.8	.0735	.5744	.6472	.9467	.7542
.0700	.4017	417.6	1588.3	7970.1	567.69	322.5	1427.8	.0774	.5884	.6461	.9466	.7721
.0800	.4368	397.4	1600.0	7965.0	567.62	313.4	1432.8	.0813	.6017	.6450	.9464	.7884
.0900	.4687	379.0	1611.7	7960.0	567.57	304.7	1437.8	.0851	.6145	.6438	.9461	.8040
.1000	.4977	362.2	1623.5	7935.9	567.26	296.4	1442.9	.0891	.6268	.6426	.9459	.8192
.1100	.5243	346.9	1635.3	7920.7	567.06	288.4	1448.0	.0930	.6386	.6414	.9457	.8334
.1200	.5488	332.8	1647.1	7902.1	567.42	280.7	1453.2	.0971	.6499	.6401	.9455	.8465
.1300	.5713	319.8	1658.8	7950.6	567.35	273.4	1458.4	.1013	.6607	.6389	.9453	.8586
.1400	.5921	307.5	1670.6	7874.6	567.25	266.3	1463.7	.1055	.6711	.6377	.9452	.8651
.1500	.6115	296.7	1682.3	7859.9	565.89	259.5	1469.0	.1093	.6811	.6365	.9448	.8764
.1600	.6295	286.3	1694.0	7844.4	566.75	253.0	1474.4	.1135	.6907	.6352	.9446	.8835
.1700	.6462	276.7	1705.8	7829.9	566.62	246.8	1479.8	.1176	.6999	.6340	.9444	.8918
.1800	.6619	267.6	1717.6	7814.2	566.48	240.8	1485.4	.1219	.7088	.6328	.9441	.8961
.1900	.6766	259.2	1729.3	7799.5	566.35	234.8	1491.0	.1261	.7173	.6316	.9438	.9000
.2000	.6904	251.2	1741.1	7785.2	566.22	229.2	1496.6	.1304	.7255	.6304	.9437	.9123
.2100	.7033	243.8	1752.8	7770.8	566.40	223.8	1502.4	.1348	.7335	.6292	.9435	.9180
.2200	.7155	236.7	1764.6	7756.6	565.96	218.5	1508.2	.1391	.7411	.6280	.9433	.9234
.2300	.7269	230.1	1776.3	7741.3	565.83	213.4	1514.0	.1436	.7486	.6269	.9431	.9284
.2400	.7380	223.8	1788.1	7727.7	565.71	208.6	1520.0	.1480	.7556	.6255	.9428	.9320
.2500	.7485	217.8	1799.9	7713.8	565.59	203.8	1526.0	.1525	.7625	.6245	.9426	.9359
.2600	.7586	212.2	1811.6	7700.9	565.47	199.3	1532.1	.1570	.7691	.6236	.9424	.9391
.2700	.7674	206.8	1823.4	7686.7	565.34	194.8	1538.3	.1615	.7756	.6224	.9422	.9419
.2800	.7762	201.8	1835.1	7674.0	565.23	190.6	1544.5	.1663	.7818	.6214	.9420	.9445
.2900	.7846	196.9	1846.9	7661.1	565.11	186.4	1550.9	.1709	.7878	.6204	.9418	.9467
.3000	.7926	192.3	1858.6	7648.4	565.00	182.4	1557.3	.1756	.7936	.6193	.9417	.9486
.3100	.8003	187.9	1870.4	7635.2	564.88	178.5	1563.8	.1804	.7993	.6183	.9415	.9501
.3200	.8076	183.7	1882.2	7622.9	564.76	174.7	1570.4	.1852	.8047	.6173	.9413	.9513
.3300	.8146	179.6	1893.9	7611.0	564.66	171.1	1577.1	.1901	.8100	.6163	.9411	.9522
.3400	.8213	175.8	1905.7	7598.9	564.55	167.5	1583.9	.1950	.8151	.6153	.9409	.9529
.3500	.8277	172.1	1917.4	7587.5	564.44	164.1	1590.8	.2000	.8201	.6144	.9407	.9532
.3600	.8338	168.5	1929.2	7575.2	564.33	160.7	1597.7	.2050	.8250	.6134	.9406	.9533
.3700	.8397	165.2	1940.9	7563.9	564.23	157.4	1604.7	.2101	.8297	.6125	.9404	.9531
.3800	.8454	161.9	1952.7	7553.1	564.13	154.3	1611.9	.2152	.8342	.6116	.9402	.9526
.3900	.8508	158.8	1964.5	7541.4	564.02	151.2	1619.1	.2204	.8387	.6107	.9400	.9519
.4000	.8560	155.8	1976.2	7530.5	563.93	148.2	1626.5	.2257	.8430	.6098	.9399	.9513
.4100	.8611	152.9	1988.0	7519.7	563.83	145.2	1633.9	.2310	.8472	.6089	.9397	.9502
.4200	.8660	150.1	1999.7	7509.1	563.73	142.4	1641.5	.2364	.8512	.6081	.9395	.9490
.4300	.8706	147.4	2011.5	7498.0	563.64	139.6	1649.1	.2419	.8553	.6073	.9394	.9476
.4400	.8751	144.8	2023.2	7488.6	563.54	136.9	1656.9	.2473	.8591	.6064	.9392	.9459
.4500	.8795	142.2	2035.0	7478.7	563.45	134.3	1664.7	.2529	.8628	.6056	.9391	.9441
.4600	.8837	139.8	2046.8	7468.7	563.36	131.7	1672.7	.2585	.8665	.6048	.9389	.9422
.4700	.8878	137.5	2058.5	7459.3	563.28	129.2	1680.8	.2642	.8701	.6041	.9388	.9401
.4800	.8918	135.2	2070.3	7449.4	563.18	126.8	1689.0	.2700	.8736	.6033	.9386	.9378
.4900	.8955	133.0	2082.0	7440.4	563.09	124.4	1697.3	.2758	.8770	.6025	.9385	.9353
.5000	.8992	130.9	2093.8	7430.7	563.01	122.1	1705.8	.2817	.8803	.601	.9383	.9327
.5100	.9027	128.8	2105.5	7422.3	562.93	119.8	1714.4	.2877	.8835	.6010	.9382	.9301
.5200	.9062	126.8	2117.3	7412.6	562.84	117.6	1723.1	.2938	.8867	.6002	.9381	.9272
.5300	.9096	124.9	2129.1	7403.9	562.76	115.4	1732.0	.3000	.8897	.5994	.9379	.9242
.5400	.9128	123.0	2140.8	7395.8	562.68	113.3	1740.9	.3062	.8927	.5986	.9378	.9211
.5500	.9160	121.2	2152.6	7387.3	562.61	111.3	1749.9	.3125	.8955	.5982	.9377	.9179
.5600	.9190	119.4	2164.3	7378.9	562.53	109.2	1759.2	.3189	.8985	.5974	.9375	.9145
.5700	.9220	117.7	2176.1	7370.4	562.45	107.3	1768.5	.3253	.9013	.5965	.9374	.9110
.5800	.9249	116.1	2187.9	7361.7	562.37	105.4	1778.0	.3319	.9041	.5961	.9373	.9074
.5900	.9277	114.4	2199.6	7353.6	562.29	103.4	1787.6	.3385	.9068	.5955	.9372	.9037
.6000	.9304	112.9	2211.4	7346.3	562.23	101.6	1797.4	.3453	.9094	.5949	.9370	.9000
.6100	.9331	111.3	2223.1	7338.5	562.15	99.8	1807.4	.3521	.9119	.5942	.9369	.8961
.6200	.9357	109.8	2234.9	7330.0	562.07	98.0	1817.4	.3591	.9145	.5936	.9368	.8920
.6300	.9382	108.4	2246.6	7322.8	562.00	96.2	1827.7	.3661	.9169	.5929	.9367	.8880
.6400	.9407	107.0	2258.4	7315.0	561.93	94.5	1838.1	.3732	.9193	.5923	.9366	.8835
.6500	.9431	105.6	2270.2	7308.3	561.87	92.9	1848.7	.3805	.9217	.5918	.9365	.8796
.6600	.9454	104.3	2281.9	7301.1	561.80	91.2	1859.4	.3878	.9240	.5912	.9363	.8753
.6700	.9477	102.9	2293.7	7293.8	561.74	89.6	1870.3	.3953	.9262	.5906	.9362	.8708
.6800	.9499	101.7	2305.4	7286.0	561.66	88.1	1881.3	.4028	.9284	.5900	.9361	.8663
.6900	.9520	100.4	2317.2	7279.1	561.60	86.5	1892.6	.4105	.9306	.5894	.9360	.8617
.7000	.9541	99.2	2328.9	7272.2	561.53	85.0	1904.0	.4183	.9327	.5889	.9359	.8570
.7100	.9562	98.0	2340.7	7265.5	561.47	83.5	1915.6	.4262	.9348	.5883	.9358	.8523
.7200	.9582	96.9	2352.5	7259.3	561.41	82.1	1927.5	.4343	.9368	.5878	.9357	.8475
.7300	.9602	95.7	2364.2	7252.3	561.35	80.7	1939.5	.4424	.9389	.5873	.9356	.8426
.7400	.9621	94.6	2376.0	7245.9	561.29	79.3	1951.7	.4507	.9409	.5867	.9355	.8377
.7500	.9640	93.5	2387.7	7240.2	561.23	77.9	1964.1	.4592	.9427	.5863	.9354	.8328
.7600	.9658	92.5	2399.5	7233.0	561.16	76.5	1976.7	.4677	.9446	.5857	.9353	.8276
.7700	.9676	91.5	2411.2	7227.3	561.11	75.2	1989.6	.4764	.9465	.5853	.9352	.8226
.7800	.9693	90.5	2423.0	7220.3	561.04	73.9	2002.6	.4852	.9483	.5847	.9351	.8173
.7900	.9711	89.5	2434.8	7214.3	560.99	72.6	2015.9	.4942	.9501	.5842	.9350	.8120
.8000	.9727	88.5	2446.5	7208.2	560.93	71.4	2029.4	.5033	.9518	.5837	.9349	.8067
.8100	.9744	87.5	2458.3	7203.4	560.88	70.2	2043.2	.5127	.9536	.5833	.9348	.8013
.8200	.9760	86.6	2470.0	7196.8	560.81	69.0	2057.3	.5221	.9553	.5828	.9347	.7960
.8300	.9776	85.7	2481.8	7192.0	560.76	67.8	2071.7	.5317	.9569	.5824	.9346	.7902
.8400	.9791	84.8	2493.5	7185.7	560.71	66.6	2086.4	.5415	.9586	.5818	.9345	.7850
.8500	.9806	84.0	2505.3	7180.5	560.67	65.4	2101.6	.5515	.9602	.5814	.9344	.7795
.8600	.9821	83.1	2517.1	7175.1	560.62	64.3	2117.1	.5616	.9617	.5810	.9344	.7739
.8700	.9835	82.3	2528.8	7168.4	560.55	63.2	2133.1	.5718	.9633	.5805	.9343	.7682
.8800	.9849	81.5	2540.6	7164.2	560.51	62.1	2149.4	.5824	.9648	.5801	.9342	.7624
.8900	.9863	80.7	2552.3	7158.0	560.46	61.0	2166.2	.5930	.9663	.5797	.9341	.7568
.9000	.9877	79.9	2564.1	7152.8	560.40	60.0	2183.4	.6039	.9678	.5792	.9340	.7510
.9100	.9890	79.1	2575.8	7147.6	560.36	59.0	2201.1	.6149	.9692	.5788	.9339	.7451
.9200	.9903	78.3	2587.6	7142.5	560.31	57.9	2219.3	.6262	.9706	.5784	.9339	.7392	.7333
.9300	.9916	77.6	2599.4	7137.1	560.27	56.9	2237.9	.6377	.9720	.5779	.9338	.7333	.7274
.9400	.9929	76.9	2611.1	7132.6	560.21	55.9	2257.0	.6495	.9734	.5775	.9337	.7274	.7214
.9500	.9941	76.2	2622.9	7127.4	560.16	54.9	2276.6	.6614	.9748	.5771	.9336	.7214	.7154
.9600	.9953	75.5	2634.6	7122.6	560.12	54.0	2297.6	.6736	.9761	.5768	.9335	.7154	.7093
.9700	.9965	74.8	2646.4	7117.4	560.07	53.0	2319.1	.6860	.9774	.5764	.9335	.7093	.7032
.9800	.9977	74.1	2658.1	7113.0	560.03	52.1	2341.2	.6986	.9787	.5760	.9334	.7032	.6971
.9900	.9989	73.4	2669.9	7108.4	559.98	51.2	2363.9	.7116	.9800	.5755	.9333	.6971	.6908
1.0000	1.0000	72.8	2681.7	7103.3	559.93	50.3	2387.4	.7247	.9813	.5752	.9332	.6908

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 610 K (PSAT 14037.0 KPA))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
0.0000	0.0000	620.2	1573.1	9079.6	577.09	383.6	1453.9	.0629	.4893	.6468	.9460	.6185
.0100	.0669	584.6	1583.8	9073.0	577.04	373.6	1458.6	.0666	.5047	.6464	.9460	.6391
.0200	.1266	552.8	1594.5	9064.1	576.97	363.8	1463.4	.0703	.5196	.6457	.9458	.6587
.0300	.1801	524.3	1605.1	9054.5	576.89	354.5	1468.2	.0740	.5340	.6450	.9457	.6762
.0400	.2283	498.6	1615.8	9043.5	576.80	345.5	1472.9	.0778	.5478	.6443	.9456	.6929
.0500	.2721	475.2	1626.5	9032.4	576.71	336.8	1477.8	.0816	.5611	.6435	.9454	.7087
.0600	.3119	454.0	1637.2	9019.8	576.61	328.4	1482.6	.0855	.5740	.6426	.9453	.7233
.0700	.3483	434.6	1647.9	9006.8	576.51	320.3	1487.4	.0894	.5864	.6417	.9451	.7370
.0800	.3818	416.8	1658.6	8992.8	576.40	312.5	1492.3	.0933	.5983	.6406	.9449	.7498
.0900	.4126	400.4	1669.2	8979.2	576.29	305.0	1497.2	.0973	.6098	.6397	.9447	.7618
.1000	.4410	385.2	1679.9	8965.0	576.18	297.8	1502.2	.1013	.6209	.6387	.9446	.7730
.1100	.4674	371.1	1690.6	8950.3	576.06	290.7	1507.2	.1053	.6316	.6377	.9444	.7834
.1200	.4920	358.0	1701.4	8935.9	575.94	284.0	1512.3	.1093	.6419	.6367	.9442	.7932
.1300	.5148	345.9	1712.2	8921.1	575.83	277.5	1517.3	.1134	.6519	.6355	.9440	.8023
.1400	.5362	334.5	1723.1	8905.1	575.71	271.2	1522.5	.1175	.6614	.6345	.9438	.8107
.1500	.5562	323.8	1733.9	8892.0	575.59	265.1	1527.7	.1217	.6707	.6335	.9436	.8186
.1600	.5750	313.8	1744.9	8877.8	575.48	259.2	1532.9	.1259	.6797	.6325	.9434	.8259
.1700	.5926	304.4	1755.9	8863.6	575.36	253.5	1538.2	.1301	.6883	.6314	.9432	.8328
.1800	.6092	295.6	1767.0	8848.2	575.24	248.0	1543.6	.1343	.6967	.6303	.9430	.8393
.1900	.6249	287.3	1778.1	8833.8	575.12	242.7	1549.0	.1386	.7048	.6293	.9428	.8454
.2000	.6397	279.5	1788.8	8820.1	575.01	237.5	1554.5	.1429	.7126	.6283	.9426	.8502
.2100	.6537	271.9	1797.4	8805.3	574.89	232.5	1560.0	.1473	.7202	.6273	.9424	.8551
.2200	.6670	264.8	1805.9	8790.8	574.77	227.6	1565.6	.1517	.7276	.6263	.9423	.8599
.2300	.6796	258.1	1814.5	8775.9	574.67	222.9	1571.3	.1561	.7349	.6253	.9421	.8639
.2400	.6916	251.6	1823.0	8760.2	574.56	218.4	1577.0	.1605	.7415	.6244	.9419	.8677
.2500	.7030	245.6	1840.2	8750.5	574.44	214.0	1582.8	.1650	.7482	.6234	.9417	.8711
.2600	.7139	239.8	1850.9	8730.1	574.33	209.8	1588.6	.1696	.7547	.6224	.9415	.8742
.2700	.7243	234.2	1861.5	8713.0	574.22	205.7	1594.5	.1741	.7610	.6215	.9414	.8771
.2800	.7342	228.8	1872.2	8710.4	574.11	201.8	1600.5	.1788	.7671	.6206	.9412	.8796
.2900	.7438	223.6	1882.9	8697.0	574.01	197.9	1606.6	.1834	.7730	.6196	.9410	.8819
.3000	.7527	219.1	1893.6	8684.3	573.90	193.6	1612.7	.1881	.7788	.6187	.9408	.8837
.3100	.7614	214.5	1904.3	8672.0	573.80	189.9	1618.9	.1929	.7844	.6178	.9407	.8854
.3200	.7697	210.1	1914.0	8659.7	573.70	186.3	1625.2	.1976	.7898	.6169	.9405	.8868
.3300	.7777	205.8	1925.6	8646.6	573.59	182.7	1631.5	.2025	.7951	.6160	.9403	.8879
.3400	.7853	201.7	1936.3	8635.3	573.50	179.3	1638.0	.2073	.8002	.6152	.9402	.8889
.3500	.7927	197.8	1947.0	8622.7	573.40	176.0	1644.5	.2123	.8052	.6143	.9400	.8895
.3600	.7998	194.0	1957.7	8610.7	573.30	172.7	1651.1	.2172	.8101	.6134	.9398	.8900
.3700	.8066	190.4	1968.4	8599.0	573.20	169.5	1657.7	.2222	.8149	.6126	.9397	.8903
.3800	.8132	186.9	1979.1	8587.7	573.11	166.4	1664.5	.2273	.8195	.6118	.9395	.8904
.3900	.8195	183.5	1989.7	8577.1	573.02	163.4	1671.3	.2324	.8240	.6110	.9394	.8904
.4000	.8256	180.3	2000.4	8565.1	572.92	160.4	1678.2	.2376	.8284	.6102	.9392	.8900
.4100	.8318	177.1	2011.1	8554.1	572.83	157.6	1685.2	.2428	.8326	.6094	.9391	.8896
.4200	.8372	174.1	2021.8	8543.1	572.74	154.8	1692.3	.2481	.8368	.6086	.9389	.8889
.4300	.8427	171.2	2032.5	8533.2	572.66	152.0	1699.4	.2534	.8409	.6079	.9388	.8882
.4400	.8480	168.3	2043.2	8521.9	572.56	149.3	1706.6	.2588	.8448	.6071	.9386	.8872
.4500	.8532	165.6	2053.8	8511.3	572.47	146.7	1714.1	.2642	.8487	.6063	.9385	.8861
.4600	.8581	162.9	2064.5	8501.0	572.39	144.2	1721.6	.2697	.8525	.6056	.9383	.8848
.4700	.8630	160.4	2075.2	8491.1	572.31	141.7	1729.1	.2753	.8562	.6049	.9382	.8835
.4800	.8676	157.9	2085.9	8481.8	572.23	139.2	1736.8	.2809	.8598	.6042	.9381	.8820
.4900	.8722	155.5	2096.6	8471.7	572.14	136.8	1744.5	.2866	.8633	.6035	.9379	.8803
.5000	.8766	153.1	2107.3	8461.2	572.06	134.4	1752.3	.2923	.8668	.6028	.9378	.8785
.5100	.8808	150.8	2117.9	8452.0	571.98	132.2	1760.3	.2981	.8701	.6021	.9377	.8766
.5200	.8850	148.6	2128.6	8444.1	571.91	130.0	1768.4	.3040	.8734	.6016	.9376	.8747
.5300	.8890	146.5	2139.3	8433.8	571.83	127.8	1776.5	.3100	.8766	.6008	.9374	.8725
.5400	.8929	144.4	2150.0	8423.9	571.74	125.7	1784.7	.3160	.8798	.6001	.9373	.8702
.5500	.8967	142.4	2160.7	8414.6	571.67	123.6	1793.1	.3220	.8829	.5995	.9372	.8678
.5600	.9004	140.4	2171.4	8405.7	571.59	121.5	1801.6	.3282	.8859	.5988	.9370	.8653
.5700	.9040	138.5	2182.0	8397.2	571.52	119.5	1810.2	.3344	.8888	.5982	.9369	.8628
.5800	.9075	136.6	2192.7	8387.9	571.44	117.5	1818.9	.3407	.8917	.5976	.9368	.8601
.5900	.9109	134.8	2203.4	8379.7	571.37	115.6	1827.7	.3471	.8946	.5970	.9367	.8574
.6000	.9142	133.1	2214.1	8371.1	571.30	113.7	1836.6	.3535	.8973	.5964	.9366	.8545
.6100	.9174	131.3	2224.8	8362.9	571.23	111.9	1845.7	.3601	.9001	.5958	.9364	.8516
.6200	.9206	129.7	2235.5	8354.2	571.16	110.0	1854.9	.3667	.9027	.5952	.9363	.8486
.6300	.9236	128.0	2246.1	8348.2	571.11	108.3	1864.1	.3734	.9053	.5947	.9362	.8455
.6400	.9266	126.4	2256.8	8339.2	571.03	106.5	1873.7	.3802	.9079	.5941	.9361	.8423
.6500	.9295	124.9	2267.5	8330.3	570.96	104.8	1883.2	.3870	.9104	.5935	.9360	.8390
.6600	.9324	123.4	2278.2	8323.5	570.90	103.1	1893.0	.3940	.9128	.5930	.9359	.8357
.6700	.9351	121.9	2288.9	8314.9	570.83	101.4	1902.8	.4010	.9153	.5924	.9358	.8322
.6800	.9379	120.5	2299.5	8307.4	570.76	99.8	1912.8	.4082	.9176	.5918	.9357	.8287
.6900	.9405	119.0	2310.2	8299.8	570.70	98.2	1922.9	.4154	.9199	.5913	.9356	.8252
.7000	.9431	117.7	2320.9	8292.0	570.63	96.7	1933.2	.4227	.9222	.5907	.9355	.8215
.7100	.9456	116.3	2331.6	8285.8	570.58	95.1	1943.7	.4302	.9244	.5903	.9354	.8179
.7200	.9481	115.0	2342.3	8277.6	570.51	93.6	1954.2	.4377	.9266	.5897	.9353	.8141
.7300	.9505	113.7	2353.0	8271.4	570.46	92.1	1965.0	.4453	.9288	.5893	.9352	.8103
.7400	.9529	112.5	2363.6	8263.2	570.39	90.7	1975.8	.4530	.9309	.5887	.9351	.8063
.7500	.9552	111.2	2374.3	8256.7	570.33	89.3	1986.9	.4609	.9330	.5882	.9350	.8024
.7600	.9574	110.0	2385.0	8249.4	570.27	87.8	1998.1	.4688	.9350	.5877	.9349	.7984
.7700	.9596	108.8	2395.7	8242.9	570.21	86.5	2009.5	.4769	.9370	.5872	.9348	.7944
.7800	.9618	107.7	2406.4	8235.7	570.15	85.1	2021.0	.4851	.9390	.5867	.9347	.7902
.7900	.9639	106.6	2417.1	8230.3	570.11	83.8	2032.8	.4934	.9409	.5863	.9346	.7861
.8000	.9660	105.5	2427.7	8223.1	570.04	82.5	2044.7	.5018	.9428	.5858	.9345	.7819
.8100	.9680	104.4	2438.4	8217.2	569.99	81.2	2056.8	.5103	.9447	.5854	.9344	.7776
.8200	.9700	103.3	2449.1	8210.0	569.93	79.9	2069.1	.5190	.9465	.5849	.9343	.7732
.8300	.9720	102.3	2459.8	8203.5	569.88	78.6	2081.6	.5278	.9483	.5844	.9342	.7688
.8400	.9739	101.3	2470.5	8197.4	569.82	77.4	2094.2	.5367	.9501	.5840	.9341	.7644
.8500	.9758	100.3	2481.2	8191.2	569.77	76.2	2107.1	.5457	.9519	.5835	.9341	.7600
.8600	.9776	99.3	2491.8	8185.0	569.72	75.0	2120.2	.5549	.9536	.5831	.9340	.7554
.8700	.9794	98.3	2502.5	8180.0	569.68	73.8	2133.6	.5643	.9553	.5826	.9339	.7510
.8800	.9812	97.4	2513.2	8174.1	569.62	72.7	2147.0	.5738	.9569	.5823	.9338	.7464
.8900	.9829	96.5	2523.9	8167.2	569.57	71.5	2160.7	.5834	.9586	.5818	.9337	.7417
.9000	.9846	95.5	2534.6	8161.4	569.52	70.4	2174.7	.5932	.9602	.5814	.9336	.7370
.9100	.9863	94.7	2545.3	8155.6	569.47	69.3	2188.8	.6031	.9618	.5810	.9335	.7322
.9200	.9879	93.8	2555.9	8150.8	569.42	68.2	2203.3	.6132	.9633	.5807	.9335	.7275
.9300	.9895	92.9	2566.6	8145.3	569.38	67.2	2218.0	.6235	.9649	.5803	.9334	.7227
.9400	.9911	92.1	2577.3	8138.4	569.32	66.1	2233.0	.6339	.9664	.5798	.9333	.7178
.9500	.9926	91.3	2588.0	8132.9	569.27	65.1	2248.0	.6445	.9679	.5794	.9332	.7130
.9600	.9942	90.4	2598.7	8127.5	569.22	64.0	2263.4	.6553	.9693	.5790	.9332	.7080
.9700	.9957	89.6	2609.4	8122.3	569.19	63.0	2279.2	.6663	.9708	.5787	.9331	.7031
.9800	.9971	88.9	2620.0	8117.0	569.13	62.0	2295.1	.6774	.9722	.5783	.9330	.6981
.9900	.9986	88.1	2630.7	8111.7	569.09	61.1	2311.4	.6888	.9736	.5779	.9329	.6931
1.0000	1.0000	87.3	2641.4	8107.6	569.05	60.1	2328.0	.7003	.9750	.5775	.9329	.6881

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 620 K (PSAT 15905.7 KPA))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	V*	A*	RR	TR	PR
0.0000	0.0000	586.5	1646.8	10212.2	585.66	386.3	1520.1	.0788	.5073	.6420	.9446	.6246
.0100	.0527	561.1	1656.2	10202.8	585.59	358.3	1524.6	.0875	.5201	.6419	.9445	.6386
.0200	.1011	539.9	1665.0	10193.7	585.52	350.6	1529.4	.0962	.5325	.6408	.9444	.6524
.0300	.1448	516.5	1674.0	10184.6	585.44	343.1	1533.6	.0899	.5449	.6402	.9443	.6663
.0400	.1868	496.6	1683.4	10175.3	585.36	335.8	1538.2	.0937	.5501	.6395	.9441	.6760
.0500	.2249	478.5	1693.8	10160.9	585.28	328.8	1542.7	.0975	.5673	.6388	.9440	.6871
.0600	.2603	461.5	1703.3	10147.7	589.19	321.9	1547.3	.1014	.5783	.6380	.9439	.6976
.0700	.2935	445.7	1713.1	10136.8	585.11	315.3	1552.0	.1052	.5888	.6373	.9437	.7075
.0800	.3250	430.9	1723.1	10126.0	585.03	308.8	1556.6	.1092	.5997	.6364	.9436	.7167
.0900	.3549	417.0	1733.5	10114.3	584.91	302.6	1561.2	.1131	.6091	.6356	.9434	.7254
.1000	.3799	404.1	1740.9	10096.2	584.82	296.6	1566.0	.1190	.6164	.6344	.9433	.7339
.1100	.4052	391.9	1750.3	10087.8	584.72	290.7	1570.7	.1210	.6281	.6332	.9431	.7417
.1200	.4293	380.4	1759.7	10065.6	584.62	285.0	1575.5	.1250	.6373	.6330	.9429	.7490
.1300	.4524	369.6	1769.1	10056.0	584.52	279.4	1580.3	.1290	.6460	.6322	.9428	.7559
.1400	.4750	359.4	1778.7	10044.6	584.42	274.0	1585.2	.1331	.6546	.6313	.9427	.7624
.1500	.4931	349.7	1787.9	10028.1	584.32	268.8	1590.1	.1192	.6630	.6305	.9426	.7685
.1600	.5122	340.6	1797.4	10014.7	584.22	263.7	1595.0	.1413	.6710	.6296	.9423	.7747
.1700	.5302	331.9	1806.8	10000.1	584.12	258.7	1600.0	.1454	.6788	.6285	.9421	.7796
.1800	.5477	323.6	1816.4	9984.4	584.02	253.9	1604.9	.1496	.6865	.6279	.9420	.7841
.1900	.5648	315.7	1826.0	9977.7	583.92	249.2	1610.0	.1539	.6938	.6271	.9418	.7892
.2000	.5795	308.2	1835.0	9960.1	583.82	244.6	1615.3	.1581	.7011	.6262	.9416	.7936
.2100	.5944	301.1	1844.4	9945.9	583.72	240.2	1620.5	.1624	.7081	.6254	.9415	.7977
.2200	.6086	294.3	1853.8	9933.2	583.62	235.9	1625.7	.1666	.7150	.6245	.9413	.8014
.2300	.6230	287.8	1863.2	9920.1	583.52	231.6	1631.0	.1708	.7220	.6237	.9412	.8047
.2400	.6352	281.5	1872.6	9907.3	583.43	227.5	1636.4	.1749	.7284	.6229	.9410	.8082
.2500	.6476	275.6	1882.1	9894.1	583.33	223.5	1641.8	.1797	.7344	.6220	.9409	.8112
.2600	.6595	269.8	1891.5	9882.0	583.24	219.6	1647.3	.1842	.7405	.6213	.9407	.8140
.2700	.6709	264.4	1900.9	9869.5	583.14	215.8	1652.7	.1889	.7464	.6204	.9405	.8164
.2800	.6819	259.1	1910.3	9856.4	583.05	212.1	1658.3	.1931	.7523	.6197	.9404	.8187
.2900	.6925	254.0	1919.7	9843.2	582.95	208.5	1663.9	.1978	.7579	.6188	.9402	.8207
.3000	.7026	249.1	1929.1	9830.8	582.86	205.0	1669.6	.2022	.7635	.6181	.9401	.8226
.3100	.7124	244.5	1938.5	9818.7	582.77	201.5	1675.3	.2068	.7689	.6173	.9399	.8243
.3200	.7218	240.0	1947.9	9805.9	582.67	198.1	1681.0	.2114	.7741	.6165	.9398	.8257
.3300	.7308	235.6	1957.3	9794.8	582.58	194.8	1686.8	.2161	.7793	.6157	.9397	.8270
.3400	.7396	231.4	1966.7	9783.4	582.50	191.6	1692.9	.2208	.7845	.6150	.9395	.8282
.3500	.7480	227.4	1976.2	9771.2	582.41	188.5	1698.9	.2256	.7891	.6143	.9394	.8290
.3600	.7562	223.4	1985.6	9759.3	582.32	185.4	1704.9	.2303	.7939	.6136	.9392	.8298
.3700	.7640	219.7	1995.0	9748.5	582.24	182.4	1711.1	.2352	.7986	.6129	.9391	.8304
.3800	.7716	216.0	2004.4	9736.4	582.15	179.5	1717.2	.2400	.8031	.6122	.9390	.8308
.3900	.7790	212.5	2013.8	9725.6	582.07	176.6	1723.5	.2450	.8076	.6115	.9388	.8311
.4000	.7861	209.1	2023.2	9713.0	581.98	173.8	1729.7	.2499	.8120	.6107	.9387	.8313
.4100	.7930	205.8	2032.6	9703.0	581.90	171.0	1736.1	.2549	.8162	.6100	.9386	.8313
.4200	.7997	202.6	2042.0	9692.9	581.81	168.3	1742.6	.2600	.8204	.6094	.9384	.8311
.4300	.8062	199.4	2051.4	9683.2	581.73	165.7	1749.1	.2651	.8244	.6088	.9383	.8310
.4400	.8124	196.4	2060.8	9671.4	581.66	163.1	1755.7	.2702	.8284	.6081	.9382	.8305
.4500	.8185	193.5	2070.3	9660.3	581.58	160.6	1762.3	.2754	.8323	.6073	.9380	.8300
.4600	.8244	190.7	2079.7	9650.6	581.51	158.1	1769.1	.2806	.8361	.6067	.9379	.8294
.4700	.8302	187.9	2089.1	9640.1	581.43	155.7	1775.8	.2859	.8399	.6061	.9378	.8286
.4800	.8358	185.2	2098.5	9630.3	581.35	153.3	1782.7	.2912	.8435	.6054	.9377	.8278
.4900	.8413	182.6	2107.9	9620.3	581.28	151.0	1789.7	.2966	.8471	.6048	.9375	.8269
.5000	.8465	180.1	2117.3	9609.4	581.19	148.7	1796.7	.3020	.8506	.6042	.9374	.8257
.5100	.8516	177.6	2126.7	9599.7	581.12	146.5	1803.8	.3075	.8541	.6035	.9373	.8246
.5200	.8566	175.2	2136.1	9590.0	581.05	144.3	1811.0	.3130	.8575	.6029	.9372	.8233
.5300	.8614	172.9	2145.5	9581.0	580.98	142.1	1818.3	.3186	.8607	.6024	.9371	.8220
.5400	.8662	170.6	2155.0	9571.0	580.90	140.0	1825.6	.3242	.8640	.6017	.9369	.8205
.5500	.8708	168.4	2164.4	9561.7	580.83	137.9	1833.1	.3299	.8672	.6011	.9368	.8189
.5600	.8753	166.3	2173.8	9552.4	580.76	135.9	1840.6	.3357	.8703	.6006	.9367	.8173
.5700	.8796	164.2	2183.2	9543.2	580.70	133.9	1848.2	.3416	.8733	.6000	.9366	.8156
.5800	.8839	162.1	2192.7	9534.3	580.62	131.9	1855.9	.3473	.8763	.5994	.9365	.8138
.5900	.8881	160.1	2202.1	9526.3	580.56	130.0	1863.7	.3533	.8791	.5989	.9364	.8120
.6000	.8921	158.2	2211.4	9516.6	580.49	128.1	1871.6	.3593	.8822	.5983	.9363	.8099
.6100	.8961	156.3	2220.8	9508.1	580.42	126.3	1879.6	.3653	.8850	.5978	.9362	.8079
.6200	.8999	154.4	2230.2	9499.5	580.36	124.4	1887.6	.3714	.8878	.5972	.9361	.8058
.6300	.9037	152.6	2239.6	9491.0	580.29	122.6	1895.8	.3776	.8905	.5967	.9360	.8036
.6400	.9074	150.8	2249.0	9482.5	580.23	120.9	1904.1	.3839	.8932	.5962	.9359	.8014
.6500	.9110	149.1	2258.5	9475.1	580.17	119.1	1912.5	.3902	.8958	.5957	.9358	.7991
.6600	.9145	147.4	2267.9	9466.2	580.10	117.4	1920.9	.3966	.8984	.5951	.9356	.7967
.6700	.9180	145.8	2277.3	9458.8	580.05	115.8	1929.5	.4030	.9009	.5946	.9356	.7943
.6800	.9214	144.1	2286.7	9450.4	580.03	114.2	1938.4	.4096	.9034	.5945	.9355	.7921
.6900	.9246	142.6	2296.1	9442.5	579.92	112.5	1946.9	.4161	.9059	.5937	.9354	.7892
.7000	.9279	141.0	2305.5	9433.9	579.85	110.9	1955.8	.4228	.9083	.5931	.9352	.7865
.7100	.9310	139.5	2314.9	9426.2	579.79	109.3	1964.8	.4295	.9107	.5925	.9352	.7838
.7200	.9341	138.0	2324.3	9418.8	579.74	107.8	1973.9	.4364	.9130	.5922	.9351	.7811
.7300	.9371	136.6	2333.8	9411.0	579.69	106.3	1983.1	.4433	.9153	.5917	.9350	.7783
.7400	.9401	135.1	2343.2	9404.4	579.63	104.8	1992.5	.4503	.9175	.5913	.9349	.7755
.7500	.9430	133.8	2352.6	9396.3	579.56	103.3	2001.9	.4573	.9197	.5907	.9348	.7725
.7600	.9458	132.4	2362.0	9389.7	579.51	101.9	2011.5	.4645	.9219	.5903	.9347	.7696
.7700	.9486	131.1	2371.4	9381.4	579.45	100.5	2021.2	.4717	.9241	.5898	.9346	.7665
.7800	.9513	129.9	2380.9	9374.1	579.39	99.1	2031.0	.4790	.9262	.5894	.9345	.7634
.7900	.9540	128.5	2390.3	9367.1	579.34	97.9	2041.0	.4864	.9283	.5889	.9344	.7603
.8000	.9566	127.2	2399.6	9360.1	579.28	96.3	2051.0	.4939	.9301	.5885	.9343	.7572
.8100	.9592	126.0	2409.0	9353.2	579.23	95.0	2061.2	.5015	.9323	.5880	.9342	.7540
.8200	.9617	124.8	2418.4	9344.2	579.18	93.7	2071.6	.5092	.9343	.5874	.9342	.7507
.8300	.9642	123.6	2427.9	9339.6	579.13	92.4	2082.1	.5169	.9362	.5872	.9341	.7475
.8400	.9666	122.4	2437.3	9333.7	579.08	91.1	2092.7	.5248	.9381	.5868	.9340	.7442
.8500	.9690	121.3	2446.7	9326.0	579.02	89.8	2103.4	.5328	.9400	.5863	.9339	.7407
.8600	.9713	120.2	2456.1	9319.4	578.97	88.6	2114.4	.5409	.9419	.5859	.9338	.7373
.8700	.9736	119.0	2465.6	9313.2	578.92	87.4	2125.4	.5490	.9437	.5855	.9337	.7339
.8800	.9759	118.0	2474.9	9307.1	578.88	86.2	2136.7	.5573	.9455	.5852	.9337	.7304
.8900	.9781	116.9	2484.3	9301.3	578.83	85.0	2148.0	.5657	.9473	.5848	.9336	.7269
.9000	.9802	115.9	2493.7	9293.5	578.77	83.9	2159.5	.5742	.9490	.5843	.9335	.7233
.9100	.9824	114.8	2503.1	9287.1	578.72	82.6	2171.1	.5828	.9508	.5839	.9334	.7197
.9200	.9845	113.8	2512.5	9280.9	578.69	81.5	2183.0	.5915	.9524	.5835	.9333	.7160
.9300	.9865	112.8	2521.9	9274.7	578.62	80.4	2195.0	.6003	.9541	.5831	.9333	.7123
.9400	.9885	111.9	2531.4	9270.0	578.59	79.3	2207.2	.6093	.9558	.5828	.9332	.7087
.9500	.9905	110.9	2540.8	9263.1	578.53	78.2	2219.5	.6184	.9574	.5824	.9331	.7049
.9600	.9925	110.0	2550.2	9257.2	578.49	77.1	2232.1	.6276	.9590	.5820	.9330	.7011
.9700	.9944	109.1	2559.6	9252.2	578.45	76.1	2244.8	.6370	.9606	.5817	.9330	.6974
.9800	.9963	108.2	2569.0	9245.4	578.39	75.0	2257.8	.6466	.9622	.5813	.9329	.6933
.9900	.9982	107.3	2578.4	9240.4	578.35	74.0	2270.8	.6563	.9637	.5810	.9328	.6907
1.0000	1.0000	106.4	2587.8	9233.9	578.30	72.9	2284.0	.6663	.9652	.5805	.9327	.6887

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 630 K (PSAT LT976.7 KPA))

TO	XJ	VO KG/M3	HO KJ/KG	P* KPA	T* K	D* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
0.0000	0.0000	544.0	1733.8	11366.2	593.67	339.5	1994.7	.1342	.5431	.6323	.9423	.6241
.0100	.0397	527.7	1741.6	11360.1	593.61	333.9	1998.8	.1075	.5525	.6319	.9423	.6327
.0200	.0770	512.4	1748.4	11352.8	593.55	328.4	2002.9	.1113	.5617	.6315	.9422	.6409
.0300	.1123	497.9	1755.2	11344.2	593.52	323.0	2007.1	.1140	.5707	.6311	.9421	.6488
.0400	.1456	484.2	1761.9	11336.0	593.5	317.9	2011.4	.1186	.5795	.6306	.9420	.6562
.0500	.1771	471.2	1772.9	11327.6	593.41	312.8	2015.4	.1221	.5881	.6301	.9419	.6634
.0600	.2070	459.0	1780.7	11318.8	593.35	307.8	2019.8	.1257	.5964	.6296	.9418	.6702
.0700	.2354	447.5	1788.5	11310.0	593.29	302.9	2024.1	.1293	.6046	.6292	.9417	.6769
.0800	.2623	436.6	1796.3	11300.9	593.23	298.0	2028.5	.1330	.6126	.6286	.9416	.6834
.0900	.2880	426.4	1804.1	11290.6	593.16	293.2	2032.9	.1367	.6204	.6281	.9415	.6898
.1000	.3124	415.6	1811.9	11280.7	593.09	288.6	2036.6	.1405	.6281	.6275	.9414	.6944
.1100	.3358	406.0	1819.7	11271.7	593.03	284.1	2041.0	.1442	.6355	.6270	.9413	.6998
.1200	.3580	396.9	1827.5	11261.8	592.97	279.6	2045.4	.1480	.6428	.6264	.9412	.7049
.1300	.3793	388.1	1835.3	11251.8	592.89	275.3	2049.7	.1518	.6500	.6259	.9411	.7097
.1400	.3997	379.8	1843.2	11240.7	592.83	271.1	2054.2	.1556	.6570	.6253	.9410	.7143
.1500	.4192	371.8	1851.0	11230.2	592.75	267.1	2058.6	.1594	.6638	.6247	.9409	.7186
.1600	.4379	364.1	1858.8	11220.5	592.69	263.1	2063.1	.1633	.6704	.6242	.9408	.7228
.1700	.4558	356.7	1866.6	11209.6	592.62	259.2	2067.6	.1672	.6769	.6236	.9407	.7267
.1800	.4731	349.6	1874.4	11199.0	592.55	255.4	2072.2	.1710	.6833	.6230	.9405	.7304
.1900	.4896	342.8	1882.2	11189.1	592.48	251.6	2076.7	.1750	.6895	.6224	.9404	.7339
.2000	.5055	336.3	1890.0	11178.6	592.41	247.9	2081.4	.1790	.6956	.6218	.9403	.7373
.2100	.5209	330.0	1897.8	11168.3	592.34	244.3	2086.0	.1830	.7015	.6213	.9402	.7404
.2200	.5356	323.9	1905.6	11158.2	592.27	240.8	2090.7	.1870	.7074	.6207	.9401	.7436
.2300	.5498	318.0	1913.4	11146.8	592.19	237.3	2095.4	.1910	.7132	.6201	.9400	.7461
.2400	.5636	312.4	1921.3	11137.1	592.13	233.9	2100.2	.1951	.7189	.6195	.9399	.7487
.2500	.5769	306.9	1929.1	11126.6	592.06	230.6	2105.0	.1991	.7242	.6189	.9398	.7512
.2600	.5897	301.7	1936.9	11115.6	591.98	227.3	2109.8	.2033	.7296	.6183	.9397	.7534
.2700	.6020	296.6	1944.7	11105.1	591.91	224.1	2114.7	.2074	.7349	.6177	.9395	.7555
.2800	.6140	291.7	1952.5	11094.0	591.84	221.0	2119.6	.2116	.7400	.6172	.9394	.7575
.2900	.6255	286.9	1960.3	11083.6	591.77	217.9	2124.6	.2157	.7451	.6165	.9393	.7593
.3000	.6367	282.3	1968.1	11073.0	591.71	214.9	2129.6	.2200	.7500	.6161	.9392	.7611
.3100	.6476	277.9	1975.9	11065.2	591.64	211.9	2134.6	.2242	.7548	.6155	.9391	.7627
.3200	.6581	273.6	1983.7	11054.2	591.56	209.0	2139.7	.2285	.7596	.6149	.9390	.7640
.3300	.6683	269.4	1991.5	11044.6	591.50	206.2	2144.8	.2328	.7642	.6144	.9389	.7654
.3400	.6781	265.3	1999.4	11033.6	591.42	203.4	2150.0	.2371	.7688	.6138	.9388	.7665
.3500	.6877	261.4	2007.2	11023.9	591.36	200.6	2155.2	.2413	.7733	.6133	.9387	.7676
.3600	.6970	257.6	2015.0	11015.1	591.30	198.0	2160.5	.2459	.7777	.6127	.9386	.7686
.3700	.7061	253.9	2022.8	11004.6	591.23	195.3	2165.7	.2502	.7820	.6122	.9385	.7694
.3800	.7148	250.2	2030.6	10995.2	591.16	192.7	2171.1	.2547	.7862	.6116	.9384	.7701
.3900	.7234	246.7	2038.4	10985.5	591.10	190.2	2176.5	.2592	.7904	.6111	.9382	.7707
.4000	.7317	243.3	2046.2	10976.1	591.03	187.7	2181.9	.2637	.7944	.6106	.9381	.7712
.4100	.7397	240.0	2054.0	10966.9	590.97	185.2	2187.4	.2683	.7984	.6101	.9380	.7717
.4200	.7476	236.8	2061.8	10956.3	590.90	182.8	2192.9	.2729	.8024	.6094	.9379	.7719
.4300	.7553	233.6	2069.6	10947.3	590.83	180.4	2198.5	.2775	.8062	.6090	.9378	.7721
.4400	.7629	230.6	2077.4	10938.6	590.77	178.1	2204.2	.2821	.8100	.6084	.9377	.7721
.4500	.7704	227.6	2085.3	10928.9	590.71	175.8	2209.9	.2868	.8137	.6079	.9376	.7723
.4600	.7778	224.7	2093.1	10919.5	590.64	173.5	2215.6	.2915	.8173	.6074	.9375	.7723
.4700	.7850	221.9	2100.9	10910.0	590.58	171.3	2221.4	.2963	.8209	.6069	.9374	.7721
.4800	.7920	219.1	2108.7	10900.5	590.52	169.1	2227.2	.3011	.8244	.6064	.9373	.7718
.4900	.7989	216.4	2116.5	.0889.0	590.45	167.0	2233.1	.3058	.8279	.6059	.9372	.7716
.5000	.8056	213.8	2124.3	.0883.0	590.39	164.9	2239.0	.3107	.8313	.6054	.9371	.7712
.5100	.8098	211.2	2132.1	10873.8	590.33	162.8	2245.0	.3156	.8347	.6049	.9370	.7707
.5200	.8139	208.6	2139.9	10868.5	590.27	160.8	2251.1	.3206	.8379	.6044	.9369	.7702
.5300	.8178	206.3	2147.8	10857.4	590.22	158.8	2257.2	.3256	.8412	.6040	.9369	.7696
.5400	.8216	203.9	2155.6	10849.2	590.16	156.8	2263.4	.3306	.8443	.6035	.9368	.7690
.5500	.8253	201.5	2163.4	10840.0	590.10	154.8	2269.6	.3356	.8475	.6030	.9367	.7682
.5600	.8288	199.3	2171.2	10831.2	590.04	152.9	2275.9	.3407	.8505	.6025	.9366	.7674
.5700	.8443	197.0	2179.0	10823.8	589.98	151.0	2282.2	.3459	.8536	.6021	.9365	.7665
.5800	.8496	194.9	2186.8	10814.6	589.92	149.2	2288.6	.3510	.8564	.6016	.9364	.7656
.5900	.8548	192.7	2194.6	10806.2	589.86	147.3	2295.1	.3562	.8595	.6011	.9363	.7645
.6000	.8598	190.6	2202.4	10798.3	589.81	145.6	2301.6	.3615	.8623	.6007	.9362	.7635
.6100	.8648	188.6	2210.2	10789.5	589.75	143.8	2308.2	.3669	.8652	.6002	.9361	.7624
.6200	.8697	186.6	2218.0	10782.1	589.70	142.0	2314.8	.3722	.8680	.5998	.9360	.7612
.6300	.8744	184.6	2225.9	10774.6	589.64	140.3	2321.6	.3776	.8707	.5994	.9359	.7600	
.6400	.8791	182.7	2233.7	10766.3	589.59	138.6	2328.3	.3830	.8734	.5989	.9359	.7587	
.6500	.8837	180.8	2241.5	10758.4	589.53	137.0	2335.2	.3885	.8761	.5985	.9358	.7573	
.6600	.8881	179.0	2249.3	10750.5	589.48	135.3	2342.1	.3940	.8787	.5980	.9357	.7559
.6700	.8925	177.2	2257.1	10743.2	589.43	133.7	2349.0	.3996	.8813	.5976	.9356	.7545
.6800	.8968	175.4	2264.9	10736.0	589.38	132.1	2356.1	.4052	.8838	.5972	.9355	.7530
.6900	.9010	173.7	2272.7	10727.7	589.32	130.5	2363.2	.4109	.8863	.5968	.9354	.7514
.7000	.9051	172.0	2280.5	10720.2	589.27	129.0	2370.4	.4166	.8888	.5961	.9353	.7498
.7100	.9092	170.3	2288.3	10712.7	589.21	127.4	2377.6	.4224	.8912	.5959	.9353	.7481
.7200	.9132	168.7	2296.1	10706.2	589.19	125.9	2385.0	.4283	.8936	.5956	.9352	.7463
.7300	.9171	167.1	2303.9	10698.7	589.09	124.4	2392.5	.4341	.8960	.5949	.9351	.7445
.7400	.9209	165.5	2311.8	10690.8	589.06	123.0	2399.8	.4401	.8983	.5947	.9351	.7429
.7500	.9246	164.0	2319.6	10683.3	589.01	121.5	2407.3	.4460	.9006	.5943	.9347	.7410
.7600	.9283	162.5	2327.4	10677.2	588.96	120.1	2415.0	.4521	.9028	.5939	.9349	.7392
.7700	.9319	161.0	2335.2	10670.2	588.92	118.7	2422.7	.4582	.9050	.5936	.9348	.7373
.7800	.9355	159.5	2343.0	10664.1	588.87	117.3	2430.5	.4644	.9072	.5932	.9347	.7354
.7900	.9390	158.1	2350.8	10656.1	588.82	116.0	2438.3	.4706	.9094	.5928	.9346	.7334
.8000	.9424	156.7	2358.6	10648.2	588.76	114.6	2446.2	.4768	.9115	.5923	.9345	.7313
.8100	.9458	155.3	2366.4	10641.6	588.72	113.3	2454.3	.4832	.9136	.5920	.9345	.7292
.8200	.9491	154.0	2374.2	10633.6	588.67	111.9	2462.4	.4896	.9157	.5916	.9344	.7271
.8300	.9523	152.6	2382.1	10626.9	588.63	110.7	2470.6	.4960	.9177	.5913	.9343	.7250
.8400	.9554	151.3	2389.9	10621.5	588.57	109.4	2478.8	.5025	.9198	.5909	.9342	.7227
.8500	.9586	150.0	2397.7	10614.4	588.53	108.1	2487.2	.5091	.9218	.5905	.9342	.7205
.8600	.9617	148.8	2405.5	10608.3	588.48	106.8	2495.6	.5158	.9237	.5901	.9341	.7183
.8700	.9648	147.5	2413.3	10602.2	588.44	105.6	2504.2	.5225	.9257	.5898	.9340	.7160
.8800	.9677	146.3	2421.1	10594.7	588.39	104.4	2512.8	.5292	.9276	.5894	.9339	.7136
.8900	.9707	145.1	2428.9	10588.5	588.34	103.2	2521.5	.5361	.9295	.5890	.9339	.7113
.9000	.9736	143.9	2436.7	10582.4	588.30	102.0	2530.3	.5430	.9313	.5887	.9338	.7089
.9100	.9764	142.7	2444.5	10577.1	588.26	100.8	2539.3	.5500	.9332	.5884	.9338	.7065
.9200	.9792	141.6	2452.3	10571.0	588.22	99.7	2548.3	.5571	.9350	.5880	.9337	.7041
.9300	.9819	140.5	2460.2	10563.5	588.17	98.5	2557.4	.5642	.9368	.5876	.9336	.7015
.9400	.9846	139.3	2468.0	10557.4	588.12	97.4	2566.6	.5714	.9385	.5873	.9335	.6990
.9500	.9873	138.2	2475.8	10552.9	588.09	96.3	2575.9	.5787	.9403	.5870	.9335	.6964
.9600	.9899	137.2	2483.6	10546.4	588.05	95.2	2585.4	.5860	.9420	.5867	.9334	.6940
.9700	.9925	136.1	2491.4	10539.4	588.00	94.1	2594.8	.5934	.9437	.5863	.9333	.6911
.9800	.9950	135.1	2499.2	10533.7	587.96	93.0	2604.5	.6010	.9454	.5860	.9333	.6884
.9900	.9975	134.0	2507.0	10527.5	587.91	92.0	2614.2	.6085	.9470	.5856	.9332	.6861
1.0000	1.0000	133.0	2514.8	10522.7	587.88	90.9	2624.1	.6162	.9487	.5854	.9331	.6834

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(TO 640 K (PSAT 20276.8 KPA))

XO	AO	RO KG/M3	HO KJ/KG	PO KPA	TO K	RO KG/M3	HO KJ/KG	XO	AO	PO	TO	RO
0.0000	0.0000	482.0	1841.2	12701.2	602.17	307.4	1688.1	.1456	.5917	.6264	.9409	.6377
.0100	.0268	473.8	1846.8	12693.8	602.13	304.0	1691.3	.1480	.5977	.6260	.9408	.6415
.0200	.0527	465.9	1852.4	12686.4	602.09	300.6	1694.6	.1504	.6036	.6257	.9408	.6453
.0300	.0777	458.3	1858.0	12680.4	602.06	297.3	1697.9	.1527	.6094	.6254	.9407	.6488
.0400	.1019	450.9	1863.6	12673.0	602.00	294.1	1701.2	.1550	.6151	.6250	.9406	.6523
.0500	.1254	443.7	1869.2	12666.6	601.96	290.9	1704.6	.1573	.6208	.6247	.9406	.6556
.0600	.1481	436.8	1874.8	12660.1	601.92	287.8	1707.9	.1639	.6263	.6244	.9405	.6589
.0700	.1702	430.1	1880.4	12653.8	601.88	284.7	1711.3	.1670	.6317	.6240	.9404	.6620
.0800	.1917	423.6	1886.0	12644.8	601.83	281.6	1714.6	.1701	.6371	.6236	.9404	.6649
.0900	.2125	417.2	1891.6	12638.0	601.78	278.6	1718.0	.1732	.6424	.6233	.9403	.6678
.1000	.2329	411.1	1897.2	12630.4	601.74	275.7	1721.4	.1763	.6476	.6229	.9402	.6706
.1100	.2528	405.2	1902.8	12623.5	601.70	272.8	1724.9	.1795	.6527	.6226	.9401	.6733
.1200	.2723	399.4	1908.4	12615.8	601.65	269.9	1728.3	.1826	.6577	.6222	.9400	.6760
.1300	.2912	393.7	1914.0	12608.6	601.60	267.1	1731.7	.1858	.6627	.6218	.9400	.6784
.1400	.3097	388.3	1919.6	12600.2	601.55	264.4	1735.2	.1890	.6676	.6215	.9399	.6807
.1500	.3278	383.0	1925.2	12593.0	601.51	261.6	1738.8	.1922	.6724	.6211	.9399	.6830
.1600	.3454	377.8	1930.8	12585.9	601.46	258.9	1742.3	.1954	.6771	.6207	.9398	.6852
.1700	.3627	372.8	1936.4	12577.5	601.41	256.2	1745.8	.1985	.6818	.6203	.9397	.6873
.1800	.3796	367.8	1942.0	12570.5	601.36	253.6	1749.3	.2018	.6864	.6199	.9396	.6893
.1900	.3961	363.1	1947.6	12562.6	601.32	251.0	1752.9	.2051	.6909	.6196	.9396	.6911
.2000	.4051	358.4	1953.2	12554.9	601.27	248.4	1756.5	.2084	.6954	.6192	.9395	.6931
.2100	.4199	353.9	1958.9	12547.0	601.23	245.9	1760.1	.2117	.6998	.6188	.9394	.6949
.2200	.4344	349.5	1964.5	12538.3	601.17	243.4	1763.8	.2150	.7042	.6184	.9393	.6965
.2300	.4486	345.0	1970.1	12531.7	601.13	241.0	1767.4	.2183	.7084	.6180	.9393	.6981
.2400	.4624	340.8	1975.7	12524.5	601.09	238.6	1771.1	.2217	.7125	.6177	.9392	.6997
.2500	.4758	336.8	1981.3	12516.1	601.03	236.2	1774.8	.2250	.7168	.6173	.9391	.7012
.2600	.4890	332.8	1986.9	12508.1	600.99	233.8	1778.5	.2283	.7209	.6169	.9390	.7026
.2700	.5018	328.9	1992.5	12501.0	600.94	231.5	1782.2	.2317	.7249	.6165	.9390	.7039
.2800	.5144	325.1	1998.1	12493.8	600.90	229.2	1786.0	.2351	.7288	.6161	.9389	.7052
.2900	.5266	321.4	2003.7	12485.4	600.84	226.9	1789.8	.2385	.7325	.6157	.9388	.7063
.3000	.5386	317.7	2009.3	12478.2	600.80	224.8	1793.6	.2419	.7366	.6154	.9388	.7075
.3100	.5503	314.1	2014.9	12471.0	600.76	222.6	1797.5	.2454	.7404	.6150	.9387	.7085
.3200	.5617	310.6	2020.5	12463.8	600.71	220.4	1801.3	.2488	.7442	.6146	.9386	.7095
.3300	.5729	307.2	2026.1	12456.6	600.66	218.3	1805.2	.2523	.7479	.6143	.9385	.7104
.3400	.5838	303.9	2031.7	12448.2	600.61	216.2	1809.2	.2558	.7515	.6139	.9385	.7113
.3500	.5946	300.6	2037.3	12439.8	600.56	214.1	1813.0	.2593	.7551	.6135	.9384	.7121
.3600	.6050	297.4	2042.9	12432.9	600.52	212.0	1816.9	.2628	.7587	.6132	.9383	.7129
.3700	.6153	294.3	2048.5	12424.7	600.47	210.0	1820.9	.2664	.7622	.6128	.9382	.7135
.3800	.6254	291.2	2054.1	12418.4	600.43	208.0	1824.9	.2699	.7656	.6124	.9382	.7142
.3900	.6352	288.2	2059.7	12410.2	600.38	206.0	1828.9	.2735	.7690	.6120	.9381	.7148
.4000	.6448	285.3	2065.3	12403.2	600.34	204.1	1832.9	.2771	.7724	.6117	.9380	.7154
.4100	.6543	282.4	2070.9	12395.5	600.29	202.2	1837.0	.2807	.7757	.6113	.9379	.7158
.4200	.6635	279.6	2076.5	12387.9	600.24	200.3	1841.1	.2843	.7790	.6109	.9378	.7162
.4300	.6726	276.8	2082.1	12380.4	600.19	198.4	1845.2	.2880	.7822	.6105	.9378	.7165
.4400	.6815	274.1	2087.7	12373.0	600.15	196.5	1849.3	.2916	.7854	.6102	.9377	.7169
.4500	.6902	271.4	2093.3	12366.6	600.11	194.7	1853.5	.2953	.7885	.6099	.9377	.7173
.4600	.6988	268.8	2098.9	12358.6	600.06	192.9	1857.7	.2990	.7915	.6093	.9376	.7175
.4700	.7072	266.3	2104.5	12351.3	600.01	191.1	1861.9	.3027	.7947	.6088	.9376	.7177
.4800	.7154	263.8	2110.1	12343.4	599.97	189.4	1866.2	.3065	.7977	.6084	.9375	.7179
.4900	.7234	261.3	2115.7	12337.9	599.93	187.6	1870.4	.3102	.8007	.6081	.9374	.7179
.5000	.7314	258.9	2121.3	12329.9	599.88	185.9	1874.7	.3140	.8037	.6081	.9373	.7180
.5100	.7392	256.5	2126.9	12323.0	599.84	184.2	1879.0	.3178	.8066	.6077	.9372	.7180
.5200	.7469	254.2	2132.5	12315.6	599.80	182.5	1883.4	.3216	.8094	.6074	.9372	.7180
.5300	.7544	251.8	2138.1	12309.6	599.75	180.8	1887.8	.3254	.8123	.6071	.9370	.7178
.5400	.7617	249.6	2143.7	12302.2	599.71	179.2	1892.2	.3293	.8151	.6067	.9370	.7177
.5500	.7690	247.4	2149.3	12295.8	599.66	177.6	1896.7	.3332	.8178	.6064	.9369	.7175
.5600	.7761	245.3	2154.9	12289.1	599.62	176.0	1901.1	.3371	.8205	.6061	.9369	.7175
.5700	.7831	243.1	2160.5	12281.4	599.58	174.4	1905.6	.3410	.8233	.6057	.9368	.7172
.5800	.7900	241.0	2166.1	12274.5	599.53	172.9	1910.0	.3450	.8260	.6053	.9368	.7170
.5900	.7967	239.0	2171.7	12267.1	599.49	171.3	1914.5	.3489	.8286	.6050	.9367	.7166
.6000	.8033	236.9	2177.3	12261.6	599.45	169.7	1919.3	.3530	.8312	.6047	.9366	.7164
.6100	.8099	235.0	2182.9	12255.2	599.41	168.2	1923.9	.3570	.8337	.6044	.9365	.7160
.6200	.8163	233.0	2188.5	12247.6	599.36	166.7	1928.5	.3610	.8363	.6040	.9365	.7159
.6300	.8226	231.1	2194.1	12240.8	599.32	165.2	1933.2	.3650	.8388	.6037	.9364	.7151
.6400	.8288	229.2	2199.7	12234.4	599.28	163.8	1937.9	.3691	.8413	.6034	.9364	.7146
.6500	.8348	227.3	2205.3	12228.2	599.24	162.3	1942.7	.3732	.8437	.6031	.9363	.7142
.6600	.8409	225.5	2210.9	12221.0	599.20	160.9	1947.4	.3773	.8462	.6027	.9362	.7136
.6700	.8468	223.7	2216.5	12214.2	599.16	159.5	1952.2	.3815	.8485	.6024	.9362	.7131
.6800	.8527	221.9	2222.1	12208.2	599.11	158.1	1957.0	.3857	.8509	.6021	.9361	.7124
.6900	.8584	220.2	2227.7	12202.7	599.08	156.7	1961.9	.3899	.8533	.6018	.9361	.7118
.7000	.8640	218.4	2233.3	12197.8	599.05	155.4	1966.9	.3941	.8556	.6016	.9360	.7112
.7100	.8696	216.7	2238.9	12188.8	598.99	154.0	1971.7	.3983	.8579	.6011	.9359	.7104
.7200	.8750	215.1	2244.5	12182.4	598.95	152.6	1976.7	.4026	.8601	.6008	.9359	.7097
.7300	.8804	213.4	2250.1	12176.5	598.92	151.3	1981.7	.4069	.8624	.6005	.9358	.7090
.7400	.8857	211.8	2255.7	12169.6	598.88	150.0	1986.8	.4112	.8645	.6002	.9358	.7082
.7500	.8910	210.2	2261.3	12163.6	598.83	148.7	1991.8	.4156	.8667	.5998	.9357	.7074
.7600	.8961	208.7	2266.9	12157.7	598.80	147.4	1996.9	.4199	.8689	.5996	.9356	.7065
.7700	.9012	207.1	2272.5	12151.2	598.75	146.2	2002.1	.4244	.8710	.5993	.9356	.7057
.7800	.9062	205.6	2278.1	12144.9	598.72	144.9	2007.2	.4288	.8732	.5990	.9355	.7048
.7900	.9111	204.1	2283.7	12140.3	598.69	143.7	2012.5	.4332	.8752	.5987	.9354	.7039
.8000	.9159	202.6	2289.3	12133.4	598.64	142.4	2017.7	.4377	.8773	.5984	.9354	.7030
.8100	.9207	201.2	2294.9	12127.0	598.60	141.2	2023.0	.4422	.8794	.5981	.9353	.7020
.8200	.9254	199.7	2300.5	12121.5	598.56	140.0	2028.3	.4467	.8814	.5978	.9353	.7010
.8300	.9301	198.3	2306.1	12114.6	598.52	138.8	2033.6	.4513	.8834	.5975	.9352	.7000
.8400	.9346	196.9	2311.7	12109.1	598.48	137.6	2039.0	.4559	.8854	.5972	.9351	.6989
.8500	.9391	195.5	2317.3	12103.2	598.45	136.5	2044.5	.4605	.8873	.5969	.9351	.6979
.8600	.9436	194.2	2322.9	12098.3	598.42	135.3	2050.0	.4652	.8892	.5967	.9350	.6968
.8700	.9480	192.8	2328.5	12092.9	598.39	134.2	2055.5	.4699	.8911	.5964	.9350	.6957
.8800	.9523	191.5	2334.1	12085.9	598.34	133.0	2061.0	.4746	.8931	.5960	.9349	.6946
.8900	.9566	190.2	2339.7	12080.9	598.29	131.9	2066.6	.4793	.8949	.5958	.9348	.6934
.9000	.9608	188.9	2345.3	12074.5	598.27	130.8	2072.2	.4841	.8968	.5955	.9348	.6922
.9100	.9650	187.7	2350.9	12069.5	598.24	129.7	2077.9	.4889	.8986	.5952	.9347	.6911
.9200	.9691	186.4	2356.5	12064.7	598.22	128.6	2083.6	.4938	.9004	.5950	.9347	.6899
.9300	.9731	185.2	2362.1	12057.7	598.16	127.5	2089.4	.4985	.9022	.5947	.9346	.6888
.9400	.9771	184.0	2367.7	12051.7	598.13	126.4	2095.1	.5035	.9040	.5944	.9346	.6873
.9500	.9810	182.8	2373.3	12046.3	598.09	125.4	2101.0	.5084	.9056	.5941	.9345	.6861
.9600	.9849	181.6	2378.9	12043.3	598.07	124.3	2107.0	.5135	.9074	.5939	.9345	.6849
.9700	.9888	180.4	2384.5	12036.4	598.03	123.3	2112.9	.5184	.9091	.5936	.9344	.6835
.9800	.9926	179.2	2390.1	12029.9	597.99	122.3	2118.8	.5234	.9112	.5933	.9343	.6824
.9900	.9963	178.1	2395.7	12025.5	597.95	121.4	2124.8	.5284	.9127	.5931	.9342	.6809
1.0000	1.0000	177.0	2401.3	12019.0	597.92	120.2	2130.8	.5336	.9143	.5927	.9342	.6794

TABLE 5. Critical Flow Properties (Two-Phase Conditions--Pressure Referenced)

Values of the critical flow parameters listed below are presented in Table A-5.

Parameter	Symbol
Mass flux	G
Homogeneous equilibrium speed of sound	AHE
Mixture velocity	VAVG
Mach number	MAVG
Slip	S
Liquid velocity	VL
Vapor velocity	VV
Flow quality[a]	XF

a. Flow quality is the ratio of the mass flow rate of the vapor phase to the total mass rate.

TABL S - SATURATED CRITICAL FLOW PROPERTIES

(P0 1000 KPA (TSAT 453.0) K))

X0	A0	R0 KG/M3	H0 KJ/KG	G KG/(S-M2)	AME M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	887.0	762.6	15003.	12.7	13.6	2.64	6.147	32.8	201.7	.024
.0100	.6351	376.9	792.7	14515.	14.8	37.4	2.54	6.112	36.4	222.3	.034
.0200	.7746	200.4	807.9	13637.	17.1	41.3	2.41	6.125	39.8	243.7	.045
.0300	.8420	144.9	815.0	12694.	19.4	44.9	2.29	6.150	42.7	262.5	.055
.0400	.8779	112.9	818.1	11822.	21.0	47.7	2.17	6.178	45.1	278.7	.066
.0500	.9007	92.7	819.3	11039.	24.4	50.4	2.07	6.205	47.2	292.6	.076
.0600	.9167	78.6	819.4	10337.	26.8	52.7	1.97	6.230	48.9	304.8	.086
.0700	.9284	68.3	819.0	9715.	28.1	54.9	1.88	6.254	50.4	315.4	.097
.0800	.9374	60.3	818.5	9160.	31.5	56.9	1.81	6.277	51.8	324.1	.107
.0900	.9446	54.0	818.0	8664.	33.8	58.8	1.74	6.298	53.0	331.6	.117
.1000	.9504	48.9	817.4	8218.	36.1	60.5	1.67	6.317	54.0	341.3	.127
.1100	.9552	44.7	816.9	7816.	38.5	62.1	1.62	6.336	55.0	348.3	.137
.1200	.9592	41.1	816.4	7451.	40.8	63.6	1.56	6.353	55.8	354.7	.147
.1300	.9626	38.1	815.9	7118.	43.1	64.9	1.51	6.369	56.6	360.6	.157
.1400	.9656	35.5	815.4	6815.	45.4	66.2	1.48	6.384	57.3	366.0	.167
.1500	.9682	33.2	814.8	6535.	47.7	67.1	1.43	6.399	58.0	371.0	.176
.1600	.9704	31.2	814.3	6278.	50.0	68.5	1.39	6.411	58.6	375.6	.186
.1700	.9725	29.4	813.8	6041.	52.4	69.7	1.34	6.423	59.2	380.0	.196
.1800	.9743	27.8	813.3	5820.	54.7	70.8	1.30	6.435	59.7	384.1	.206
.1900	.9759	26.4	812.8	5615.	57.0	71.8	1.26	6.446	60.2	387.8	.215
.2000	.9773	25.2	812.3	5426.	59.3	74.8	1.26	6.457	60.6	391.3	.224
.2100	.9786	24.0	811.8	5248.	61.7	76.0	1.23	6.466	61.0	394.6	.234
.2200	.9798	23.0	811.3	5082.	64.0	77.3	1.21	6.476	61.4	397.7	.243
.2300	.9809	22.0	810.8	4926.	66.4	78.5	1.18	6.485	61.8	400.7	.253
.2400	.9819	21.1	810.3	4779.	68.8	79.6	1.16	6.494	62.1	403.5	.262
.2500	.9829	20.2	809.8	4641.	71.1	81.1	1.14	6.502	62.5	406.1	.271
.2600	.9838	19.5	809.3	4510.	73.5	82.3	1.12	6.510	62.8	408.6	.281
.2700	.9846	18.8	808.8	4387.	75.9	83.6	1.10	6.517	63.1	411.0	.290
.2800	.9853	18.1	808.3	4271.	78.4	84.9	1.08	6.525	63.4	413.4	.300
.2900	.9860	17.5	807.8	4160.	80.8	86.2	1.07	6.532	63.6	415.5	.309
.3000	.9866	16.9	807.3	4055.	83.2	87.4	1.05	6.538	63.9	417.5	.318
.3100	.9872	16.4	806.8	3956.	85.7	88.7	1.04	6.545	64.1	419.6	.328
.3200	.9878	15.9	806.3	3861.	88.2	90.0	1.02	6.550	64.3	421.4	.337
.3300	.9884	15.4	805.7	3770.	90.7	91.4	1.01	6.556	64.5	423.2	.346
.3400	.9889	15.0	805.2	3684.	93.2	92.7	.99	6.561	64.7	424.8	.356
.3500	.9893	14.5	804.7	3602.	95.8	94.0	.98	6.567	65.0	426.5	.365
.3600	.9898	14.2	804.2	3523.	98.3	95.4	.97	6.572	65.1	428.1	.374
.3700	.9902	13.8	803.6	3447.	100.9	96.8	.96	6.578	65.3	429.8	.384
.3800	.9906	13.4	803.1	3375.	103.5	98.2	.95	6.583	65.5	431.1	.393
.3900	.9910	13.1	802.5	3305.	106.1	99.6	.94	6.589	65.7	432.6	.402
.4000	.9913	12.8	801.9	3240.	108.8	101.1	.93	6.592	65.8	434.0	.411
.4100	.9917	12.4	801.4	3176.	111.5	102.6	.92	6.596	66.0	435.3	.421
.4200	.9921	12.2	800.8	3115.	114.2	104.1	.91	6.600	66.1	436.6	.430
.4300	.9924	11.9	800.2	3056.	116.9	105.6	.90	6.604	66.3	437.7	.439
.4400	.9927	11.6	799.6	2999.	119.7	107.2	.90	6.607	66.4	439.0	.448
.4500	.9930	11.4	799.0	2944.	122.5	108.8	.89	6.612	66.5	440.0	.457
.4600	.9932	11.1	798.4	2891.	125.3	110.4	.88	6.616	66.7	441.2	.467
.4700	.9935	10.9	797.8	2841.	128.1	112.1	.87	6.620	66.8	442.3	.476
.4800	.9938	10.7	797.2	2793.	131.0	113.8	.87	6.623	66.9	443.3	.485
.4900	.9940	10.4	796.6	2744.	133.9	115.5	.86	6.626	67.0	444.2	.494
.5000	.9942	10.2	796.0	2698.	136.9	117.3	.86	6.630	67.2	445.2	.503
.5100	.9945	10.0	795.5	2654.	139.9	119.1	.85	6.632	67.3	446.0	.513
.5200	.9947	9.8	794.9	2611.	142.9	121.0	.85	6.636	67.4	447.1	.522
.5300	.9949	9.7	794.3	2570.	146.0	122.9	.84	6.639	67.5	447.8	.531
.5400	.9951	9.5	793.7	2529.	149.1	124.9	.84	6.642	67.6	448.8	.540
.5500	.9953	9.3	793.1	2490.	152.3	126.9	.83	6.645	67.7	449.7	.549
.5600	.9955	9.1	792.5	2453.	155.5	129.0	.83	6.648	67.8	450.5	.559
.5700	.9956	9.0	791.9	2416.	158.8	131.2	.83	6.650	67.8	451.1	.568
.5800	.9958	8.8	791.3	2380.	162.1	133.4	.82	6.652	67.9	451.9	.577
.5900	.9960	8.7	790.7	2346.	165.4	135.8	.82	6.655	68.0	452.7	.586
.6000	.9961	8.5	790.1	2312.	168.8	138.2	.82	6.658	68.1	453.5	.595
.6100	.9963	8.4	789.5	2280.	172.3	140.2	.81	6.660	68.2	454.1	.604
.6200	.9965	8.3	788.9	2248.	175.8	143.6	.81	6.662	68.3	454.9	.614
.6300	.9966	8.1	788.3	2217.	179.4	146.2	.81	6.665	68.3	455.6	.623
.6400	.9967	8.0	787.6	2187.	183.0	148.8	.81	6.668	68.4	456.2	.632
.6450	.9969	7.9	787.4	2159.	186.8	151.4	.81	6.668	68.5	456.5	.641
.6600	.9970	7.8	786.6	2130.	190.5	153.3	.80	6.672	68.6	457.5	.650
.6700	.9971	7.7	786.0	2102.	194.4	156.2	.80	6.674	68.6	458.1	.659
.6800	.9973	7.5	785.4	2075.	198.3	159.1	.80	6.675	68.7	458.5	.668
.6900	.9974	7.4	784.8	2049.	202.3	162.1	.80	6.678	68.8	459.3	.677
.7000	.9975	7.3	784.2	2023.	206.5	165.1	.80	6.674	68.7	458.6	.687
.7100	.9976	7.2	783.6	1998.	210.6	168.7	.80	6.681	68.9	460.2	.696
.7200	.9977	7.1	783.0	1974.	214.8	171.4	.80	6.684	69.0	460.8	.705
.7300	.9979	7.0	782.4	1950.	219.2	174.6	.80	6.685	69.0	461.3	.714
.7400	.9980	6.9	781.8	1927.	223.7	178.3	.80	6.686	69.0	461.6	.723
.7500	.9981	6.8	781.2	1904.	228.2	181.3	.80	6.689	69.1	462.4	.732
.7600	.9982	6.8	780.6	1882.	232.9	187.2	.80	6.690	69.2	462.7	.741
.7700	.9983	6.7	780.0	1861.	237.7	191.0	.81	6.693	69.3	463.4	.751
.7800	.9984	6.6	779.4	1839.	242.5	194.8	.81	6.694	69.3	463.8	.760
.7900	.9985	6.5	778.8	1819.	247.5	200.4	.81	6.696	69.3	464.1	.769
.8000	.9986	6.4	778.2	1799.	252.6	204.1	.81	6.697	69.4	464.5	.779
.8100	.9986	6.3	777.6	1779.	257.7	210.1	.81	6.698	69.4	464.1	.787
.8200	.9987	6.3	777.0	1759.	263.0	214.1	.81	6.700	69.5	465.5	.796
.8300	.9988	6.2	776.4	1740.	268.4	220.3	.81	6.701	69.5	465.9	.805
.8400	.9989	6.1	775.8	1721.	273.9	224.5	.82	6.703	69.6	466.3	.814
.8500	.9990	6.0	775.2	1704.	281.7	231.5	.83	6.704	69.6	466.7	.823
.8600	.9991	6.0	774.6	1686.	287.4	239.0	.83	6.707	69.7	467.3	.833
.8700	.9991	5.9	774.0	1669.	293.3	243.7	.84	6.708	69.7	467.7	.842
.8800	.9992	5.8	773.4	1652.	300.4	253.7	.84	6.709	69.8	468.1	.851
.8900	.9993	5.8	772.8	1635.	307.3	260.2	.85	6.711	69.8	468.5	.860
.9000	.9994	5.7	772.2	1619.	314.5	268.1	.85	6.711	69.9	468.7	.869
.9100	.9994	5.7	771.6	1603.	321.9	276.5	.86	6.714	69.9	469.2	.878
.9200	.9995	5.6	771.0	1587.	329.5	285.5	.87	6.715	69.9	469.5	.887
.9300	.9996	5.5	770.4	1571.	337.7	294.9	.87	6.715	69.9	469.7	.896
.9400	.9996	5.5	769.8	1557.	346.0	305.2	.88	6.717	70.0	470.3	.905
.9500	.9997	5.4	769.2	1542.	354.9	314.0	.89	6.719	70.0	470.6	.914
.9600	.9998	5.4	768.6	1527.	364.0	327.7	.90	6.720	70.1	470.9	.924
.9700	.9998	5.3	768.0	1513.	373.6	340.2	.91	6.721	70.1	471.2	.933
.9800	.9999	5.3	767.4	1498.	383.7	347.7	.92	6.722	70.1	471.5	.942
.9900	.9999	5.2	766.8	1485.	394.4	360.9	.93	6.723	70.1	471.9	.951
1.0000	1.0000	5.1	766.2	1472.	405.7	374.1	.94	6.724	70.2	472.2	.960

TABLE . SATURATED CRITICAL FLOW PROPERTIES

(PO 2000 KPA (TSAT 485.52 K))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHF M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	849.9	908.6	21199.	21.3	46.8	2.20	4.931	45.4	224.0	.037
.0100	.4608	462.9	927.5	20730.	23.8	50.6	2.14	4.910	48.7	239.3	.043
.0200	.6332	319.1	946.4	19953.	26.1	54.3	2.08	4.911	51.9	255.0	.050
.0300	.7235	242.5	965.2	19073.	28.7	57.7	2.01	4.921	54.8	269.6	.057
.0400	.7790	195.7	984.1	18184.	31.4	60.9	1.94	4.934	57.3	282.9	.065
.0500	.8166	164.1	1003.0	17330.	34.0	63.8	1.88	4.940	59.5	294.6	.085
.0600	.8437	141.3	1021.9	16525.	36.6	66.5	1.82	4.963	61.5	305.2	.093
.0700	.8643	124.0	1040.8	15776.	38.2	68.0	1.78	4.978	63.1	314.9	.105
.0800	.8803	110.6	1059.7	15082.	41.8	71.4	1.71	4.999	64.8	323.6	.115
.0900	.8932	99.7	1078.6	14440.	44.4	73.9	1.66	5.006	66.3	331.9	.125
.1000	.9038	90.8	1097.5	13846.	46.9	75.7	1.61	5.019	67.5	338.9	.135
.1100	.9127	83.4	1116.3	13294.	49.5	77.7	1.57	5.031	68.7	345.7	.144
.1200	.9202	77.0	1135.2	12787.	52.1	79.6	1.53	5.044	69.8	351.9	.154
.1300	.9267	71.6	1154.1	12313.	54.2	81.3	1.49	5.053	70.8	357.7	.164
.1400	.9323	66.8	1173.0	11873.	57.2	83.3	1.46	5.064	71.7	363.1	.173
.1500	.9372	62.8	1191.9	11462.	59.8	85.0	1.42	5.074	72.5	368.1	.183
.1600	.9416	59.1	1210.8	11078.	62.3	86.8	1.39	5.084	73.3	372.8	.193
.1700	.9454	55.8	1229.7	10719.	64.9	88.4	1.36	5.093	74.1	377.2	.202
.1800	.9489	53.0	1248.5	10383.	67.5	90.1	1.34	5.103	74.8	381.4	.211
.1900	.9520	50.4	1267.4	10068.	70.0	91.7	1.31	5.110	75.4	385.3	.221
.2000	.9549	48.0	1286.3	9774.	72.6	93.3	1.28	5.118	76.0	389.0	.231
.2100	.9574	45.8	1305.2	9488.	75.2	94.9	1.26	5.125	76.6	392.4	.240
.2200	.9598	43.9	1324.1	9220.	77.8	96.5	1.24	5.133	77.1	395.7	.249
.2300	.9619	42.0	1343.0	8972.	80.4	98.0	1.22	5.140	77.6	398.9	.259
.2400	.9639	40.4	1361.9	8734.	83.0	99.6	1.20	5.146	78.1	401.9	.269
.2500	.9658	38.8	1380.7	8509.	85.6	101.2	1.18	5.153	78.5	404.8	.279
.2600	.9675	37.4	1399.6	8295.	88.3	102.7	1.16	5.159	79.0	407.4	.287
.2700	.9690	36.1	1418.5	8092.	90.9	104.2	1.15	5.165	79.4	410.0	.296
.2800	.9705	34.8	1437.4	7898.	93.6	105.8	1.13	5.171	79.8	412.5	.305
.2900	.9719	33.7	1456.3	7714.	96.2	107.4	1.12	5.176	80.1	414.9	.314
.3000	.9732	32.6	1475.2	7538.	98.9	109.0	1.10	5.182	80.4	417.1	.324
.3100	.9744	31.6	1494.1	7369.	101.6	110.5	1.09	5.186	80.8	419.2	.333
.3200	.9755	30.6	1513.0	7209.	104.3	112.1	1.07	5.191	81.1	421.4	.342
.3300	.9766	29.7	1531.8	7055.	107.1	113.7	1.06	5.196	81.5	423.4	.351
.3400	.9776	28.9	1550.7	6907.	109.8	115.3	1.05	5.201	81.8	425.2	.360
.3500	.9785	28.1	1569.6	6766.	112.6	117.0	1.04	5.205	82.1	427.1	.369
.3600	.9794	27.3	1588.5	6630.	115.4	118.6	1.03	5.210	82.3	428.9	.378
.3700	.9803	26.6	1607.4	6500.	118.2	120.3	1.02	5.214	82.6	430.5	.388
.3800	.9811	25.9	1626.3	6374.	121.0	121.9	1.01	5.217	82.8	432.1	.397
.3900	.9818	25.3	1645.2	6254.	123.9	123.7	1.00	5.221	83.1	433.7	.406
.4000	.9826	24.7	1664.0	6138.	126.7	125.4	.99	5.225	83.3	435.3	.415
.4100	.9833	24.1	1682.9	6026.	129.6	127.1	.98	5.229	83.5	436.8	.424
.4200	.9839	23.5	1701.8	5918.	132.6	128.9	.97	5.232	83.7	438.2	.433
.4300	.9846	23.0	1720.7	5814.	135.5	130.7	.96	5.236	84.0	439.6	.442
.4400	.9852	22.5	1739.6	5714.	138.5	132.6	.96	5.239	84.2	441.0	.451
.4500	.9858	22.0	1758.5	5617.	141.5	134.5	.95	5.243	84.4	442.3	.460
.4600	.9863	21.5	1777.4	5523.	144.5	136.4	.94	5.246	84.6	443.6	.470
.4700	.9868	21.1	1796.2	5433.	147.6	138.3	.94	5.249	84.7	444.9	.479
.4800	.9874	20.7	1815.1	5344.	150.8	140.3	.93	5.252	84.9	445.9	.488
.4900	.9878	20.3	1834.0	5259.	153.8	142.3	.93	5.254	85.1	447.0	.497
.5000	.9883	19.9	1852.9	5177.	157.0	144.4	.92	5.258	85.3	448.2	.506
.5100	.9888	19.5	1871.8	5098.	160.2	146.5	.91	5.260	85.4	449.2	.515
.5200	.9892	19.1	1890.7	5020.	163.4	148.6	.91	5.263	85.6	450.3	.524
.5300	.9896	18.8	1909.6	4945.	166.6	150.8	.90	5.265	85.7	451.3	.533
.5400	.9900	18.4	1928.5	4873.	169.9	153.0	.90	5.268	85.9	452.4	.542
.5500	.9904	18.1	1947.3	4802.	173.3	155.3	.90	5.270	86.0	453.2	.551
.5600	.9908	17.8	1966.2	4733.	176.7	157.7	.89	5.273	86.1	454.2	.560
.5700	.9912	17.5	1985.1	4667.	180.1	160.1	.89	5.274	86.3	455.1	.569
.5800	.9918	17.2	2004.0	4602.	183.6	162.6	.89	5.277	86.4	456.0	.578
.5900	.9919	16.9	2022.9	4539.	187.1	165.0	.88	5.280	86.5	456.8	.587
.6000	.9922	16.6	2041.8	4477.	190.7	167.6	.88	5.282	86.7	457.6	.596
.6100	.9925	16.3	2060.7	4416.	194.3	170.3	.88	5.284	86.8	458.5	.605
.6200	.9928	16.1	2079.5	4356.	198.0	172.9	.87	5.286	86.9	459.1	.614
.6300	.9931	15.8	2098.4	4297.	201.7	175.6	.87	5.288	87.0	460.2	.623
.6400	.9934	15.6	2117.3	4244.	205.5	178.4	.87	5.290	87.1	460.9	.632
.6500	.9937	15.4	2136.2	4194.	209.3	181.2	.87	5.292	87.2	461.7	.641
.6600	.9939	15.1	2155.1	4142.	213.2	184.0	.87	5.294	87.3	462.4	.650
.6700	.9942	14.9	2174.0	4091.	217.2	187.0	.86	5.295	87.4	463.2	.659
.6800	.9944	14.7	2192.9	4041.	221.2	191.0	.86	5.298	87.5	463.9	.668
.6900	.9947	14.5	2211.7	3993.	225.3	194.3	.86	5.300	87.7	464.6	.676
.7000	.9950	14.3	2230.6	3945.	229.5	197.7	.86	5.301	87.7	465.1	.685
.7100	.9952	14.1	2249.5	3898.	233.7	201.2	.86	5.303	87.8	465.9	.694
.7200	.9954	13.9	2268.4	3853.	238.1	204.8	.86	5.304	87.9	466.4	.703
.7300	.9956	13.7	2287.3	3809.	242.4	208.4	.86	5.307	88.0	467.1	.712
.7400	.9959	13.5	2306.2	3766.	247.0	212.2	.86	5.308	88.1	467.6	.721
.7500	.9961	13.3	2325.1	3724.	251.6	216.0	.86	5.310	88.2	468.4	.730
.7600	.9963	13.2	2344.0	3682.	256.2	220.0	.86	5.311	88.3	468.9	.739
.7700	.9964	13.0	2362.8	3642.	261.0	224.0	.86	5.313	88.4	469.6	.748
.7800	.9967	12.8	2381.7	3602.	265.9	228.2	.86	5.314	88.4	470.0	.757
.7900	.9969	12.7	2400.6	3563.	270.9	232.4	.86	5.315	88.5	470.8	.766
.8000	.9971	12.5	2419.5	3525.	276.0	236.9	.87	5.317	88.6	471.1	.775
.8100	.9972	12.4	2438.4	3488.	281.2	241.4	.87	5.319	88.7	471.8	.784
.8200	.9974	12.2	2457.3	3452.	286.5	246.0	.87	5.320	88.8	472.2	.793
.8300	.9976	12.1	2476.2	3417.	292.0	250.8	.87	5.321	88.8	472.6	.802
.8400	.9978	11.9	2495.0	3382.	297.6	255.7	.87	5.322	88.9	473.1	.811
.8500	.9979	11.8	2513.9	3348.	303.4	260.6	.88	5.324	89.0	473.7	.819
.8600	.9981	11.7	2532.8	3314.	309.3	272.1	.88	5.325	89.0	474.1	.828
.8700	.9982	11.5	2551.7	3281.	315.4	278.5	.88	5.326	89.1	474.5	.837
.8800	.9984	11.4	2570.6	3248.	321.6	285.2	.89	5.327	89.2	475.0	.846
.8900	.9985	11.3	2589.5	3218.	328.0	292.1	.89	5.329	89.3	475.3	.855
.9000	.9987	11.1	2608.4	3187.	334.6	299.6	.90	5.330	89.3	475.9	.864
.9100	.9988	11.0	2627.2	3157.	341.5	307.3	.90	5.331	89.3	476.3	.873
.9200	.9990	10.9	2646.1	3127.	348.5	315.6	.91	5.332	89.4	476.7	.882
.9400	.9991	10.8	2665.0	3098.	355.8	324.9	.91	5.333	89.5	477.2	.891
.9400	.9993	10.7	2683.9	3069.	363.3	333.9	.92	5.335	89.5	477.7	.900
.9500	.9994	10.6	2702.8	3041.	371.0	342.8	.92	5.336	89.6	478.2	.909
.9600	.9995	10.5	2721.7	3013.	379.1	352.4	.93	5.336	89.6	478.4	.918
.9700	.9996	10.4	2740.6	2986.	387.5	363.0	.94	5.338	89.7	478.8	.926
.9800	.9998	10.2	2759.5	2960.	396.1	374.3	.94	5.339	89.8	479.3	.935
.9900	.9999	10.1	2778.3	2933.	405.2	384.2	.95	5.340	89.8	479.5	.944
1.0000	1.0000	10.0	2797.2	2908.	414.6	398.9	.96	5.341	89.9	479.9	.953

TABLE 5. SATURATED CRITICAL FLOW PROPERTIES

(PO 3000 KPA (TSAT 506.99 K))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	822.1	1008.4	25877.	28.9	37.2	1.98	4.916	55.2	238.1	.046
.0100	.3562	534.6	1026.3	25386.	31.3	60.8	1.94	4.302	58.3	250.8	.054
.0200	.5278	396.1	1044.2	24604.	33.9	64.4	1.90	4.301	61.3	263.5	.063
.0300	.6288	314.6	1062.2	23840.	36.6	67.8	1.85	4.306	64.0	276.9	.073
.0400	.6953	260.9	1080.1	23086.	39.3	71.0	1.81	4.314	66.5	286.8	.082
.0500	.7425	222.9	1098.1	22138.	42.0	74.0	1.76	4.323	68.7	297.1	.092
.0600	.7776	194.5	1116.0	21318.	44.7	76.8	1.72	4.333	70.7	306.5	.102
.0700	.8048	172.6	1133.9	20555.	47.4	79.4	1.68	4.343	72.6	315.2	.112
.0800	.8265	155.1	1151.9	19702.	50.1	81.9	1.63	4.353	74.3	323.2	.122
.0900	.8442	140.8	1169.8	19[illegible]	52.8	84.3	1.60	4.363	75.8	330.6	.131
.1000	.8588	128.9	1187.7	18[illegible]	55.5	86.6	1.56	4.373	77.2	337.4	.141
.1100	.8713	118.9	1205.7	17809.	58.2	88.8	1.53	4.382	78.5	343.8	.151
.1200	.8819	110.3	1223.6	17295.	60.9	90.9	1.49	4.391	79.7	349.8	.160
.1300	.8911	102.9	1241.5	16675.	63.5	93.0	1.46	4.400	80.8	355.3	.170
.1400	.8992	96.4	1259.5	16156.	66.2	94.9	1.43	4.408	81.8	360.4	.179
.1500	.9062	90.7	1277.4	15668.	68.9	96.9	1.41	4.416	82.7	365.4	.189
.1600	.9125	85.6	1295.4	15207.	71.6	98.8	1.38	4.423	83.6	370.0	.198
.1700	.9183	81.0	1313.3	14781.	74.3	100.7	1.36	4.430	84.4	374.4	.208
.1800	.9236	76.9	1331.3	14358.	76.9	102.5	1.33	4.437	85.2	378.5	.217
.1900	.9284	73.1	1349.3	13969.	79.6	104.3	1.31	4.445	85.9	382.4	.227
.2000	.9330	69.9	1367.1	13598.	82.3	106.1	1.29	4.451	86.7	386.0	.236
.2100	.9357	66.9	1385.1	13247.	85.0	107.9	1.27	4.458	87.4	389.6	.245
.2200	.9392	64.1	1403.0	12913.	87.7	109.7	1.25	4.464	88.0	392.9	.254
.2300	.9424	61.5	1421.0	12596.	90.4	111.4	1.23	4.469	88.6	396.0	.264
.2400	.9453	59.0	1438.9	12293.	93.1	113.2	1.21	4.475	89.1	399.0	.273
.2500	.9481	56.8	1456.8	12005.	95.8	114.9	1.20	4.480	89.7	401.8	.282
.2600	.9506	54.9	1474.8	11729.	98.6	116.6	1.18	4.486	90.3	404.9	.291
.2700	.9530	53.0	1492.7	11466.	101.4	118.3	1.17	4.491	90.7	407.4	.300
.2800	.9552	51.2	1510.7	11215.	104.2	120.0	1.15	4.496	91.2	410.0	.309
.2900	.9572	49.5	1528.6	10974.	106.9	121.6	1.14	4.500	91.6	412.4	.319
.3000	.9591	48.0	1546.5	10743.	109.7	123.3	1.13	4.505	92.1	414.7	.328
.3100	.9610	46.5	1564.5	10522.	112.5	123.3	1.11	4.509	92.5	416.9	.337
.3200	.9627	45.2	1582.4	10309.	115.4	125.2	1.10	4.513	92.9	419.1	.346
.3300	.9643	43.9	1600.4	10106.	118.2	126.8	1.09	4.517	93.2	421.1	.356
.3400	.9658	42.6	1618.3	9909.	121.0	128.4	1.07	4.521	93.6	423.0	.365
.3500	.9672	41.5	1636.2	9721.	123.8	130.0	1.06	4.526	93.9	424.8	.374
.3600	.9686	40.4	1654.2	9539.	126.8	131.7	1.04	4.529	94.3	427.0	.382
.3700	.9699	39.3	1672.1	9364.	129.8	133.2	1.03	4.533	94.6	428.7	.391
.3800	.9711	38.4	1690.0	9194.	132.8	134.8	1.02	4.536	94.9	430.4	.400
.3900	.9723	37.4	1708.0	9031.	135.8	136.3	1.01	4.540	95.2	432.0	.409
.4000	.9733	36.5	1725.9	8876.	138.8	137.9	1.00	4.543	95.5	433.6	.418
.4100	.9744	35.7	1743.9	8724.	141.8	139.4	1.00	4.546	95.8	435.3	.427
.4200	.9754	34.9	1761.8	8578.	144.8	140.8	1.00	4.548	96.0	436.9	.436
.4300	.9764	34.1	1779.7	8436.	147.8	142.3	1.00	4.552	96.3	438.4	.445
.4400	.9773	33.5	1797.7	8299.	150.9	143.8	.99	4.556	96.6	439.9	.454
.4500	.9782	32.8	1815.6	8166.	153.9	145.3	.99	4.558	96.8	441.2	.463
.4600	.9790	32.2	1833.6	8038.	156.9	146.8	.98	4.561	97.0	442.6	.472
.4700	.9798	31.7	1851.5	7913.	160.0	148.3	.97	4.564	97.3	443.8	.481
.4800	.9806	31.1	1869.5	7793.	163.1	149.8	.97	4.567	97.5	445.2	.490
.4900	.9814	30.7	1887.4	7675.	166.2	151.3	.96	4.569	97.7	446.4	.498
.5000	.9821	30.2	1905.3	7562.	169.3	152.8	.96	4.571	97.9	447.5	.507
.5100	.9828	29.8	1923.3	7452.	172.4	154.4	.95	4.574	98.1	448.7	.516
.5200	.9834	29.4	1941.2	7344.	175.5	155.9	.95	4.576	98.3	449.8	.525
.5300	.9841	29.0	1959.2	7240.	178.7	157.4	.94	4.579	98.5	450.9	.534
.5400	.9847	28.7	1977.1	7139.	181.8	158.9	.94	4.581	98.7	452.0	.543
.5500	.9853	28.3	1995.0	7041.	185.0	160.4	.93	4.583	98.8	453.0	.552
.5600	.9859	28.0	2013.0	6945.	188.2	161.9	.93	4.586	99.0	454.1	.560
.5700	.9864	27.7	2030.9	6852.	191.4	163.4	.93	4.588	99.2	455.1	.569
.5800	.9870	27.5	2048.8	6761.	194.6	164.9	.93	4.590	99.4	456.1	.578
.5900	.9875	27.2	2066.8	6673.	197.8	166.4	.92	4.592	99.5	457.1	.587
.6000	.9880	26.9	2084.7	6587.	201.0	167.9	.92	4.594	99.7	457.9	.596
.6100	.9885	26.7	2102.7	6503.	204.3	169.4	.92	4.596	99.8	458.8	.605
.6200	.9889	26.4	2120.6	6422.	207.5	170.9	.91	4.598	100.0	459.8	.614
.6300	.9894	26.2	2138.5	6342.	210.8	172.4	.91	4.600	100.1	460.6	.623
.6400	.9898	25.9	2156.5	6264.	214.0	173.9	.91	4.601	100.3	461.4	.631
.6500	.9903	25.7	2174.4	6188.	217.3	175.4	.91	4.603	100.4	462.2	.640
.6600	.9907	25.5	2192.4	6114.	220.5	176.9	.90	4.605	100.6	463.1	.649
.6700	.9911	25.2	2210.3	6042.	223.8	178.4	.90	4.607	100.7	463.8	.658
.6800	.9915	25.0	2228.2	5972.	227.1	179.8	.90	4.609	100.8	464.5	.666
.6900	.9919	24.8	2246.2	5903.	230.4	181.3	.90	4.610	100.9	465.4	.675
.7000	.9922	24.6	2264.1	5835.	233.7	182.8	.90	4.612	101.1	466.1	.684
.7100	.9926	24.4	2282.0	5770.	237.0	184.3	.90	4.614	101.2	466.8	.693
.7200	.9930	24.2	2300.0	5705.	240.3	185.8	.90	4.616	101.3	467.6	.702
.7300	.9933	24.0	2317.9	5642.	243.6	187.3	.89	4.618	101.4	468.1	.710
.7400	.9936	23.8	2335.9	5581.	246.9	188.8	.89	4.618	101.5	468.8	.719
.7500	.9940	23.6	2353.8	5520.	250.3	190.3	.89	4.619	101.6	469.5	.728
.7600	.9943	23.4	2371.7	5462.	253.6	191.8	.89	4.621	101.7	470.1	.737
.7700	.9946	23.2	2389.7	5404.	256.9	193.3	.89	4.623	101.8	470.7	.746
.7800	.9949	23.0	2407.6	5347.	260.3	194.8	.89	4.624	101.9	471.5	.754
.7900	.9952	22.9	2425.6	5292.	263.6	196.3	.88	4.625	102.0	472.0	.763
.8000	.9955	22.7	2443.5	5238.	267.0	197.8	.88	4.627	102.2	472.7	.772
.8100	.9957	22.5	2461.4	5185.	270.3	199.3	.88	4.628	102.2	473.2	.781
.8200	.9960	22.3	2479.4	5133.	273.7	200.8	.88	4.629	102.3	473.7	.790
.8300	.9963	22.2	2497.3	5082.	277.1	202.3	.88	4.631	102.4	474.4	.798
.8400	.9965	22.0	2515.3	5032.	280.5	203.8	.88	4.632	102.5	474.9	.807
.8500	.9968	21.8	2533.2	4983.	283.9	205.3	.88	4.633	102.6	475.5	.816
.8600	.9970	21.7	2551.1	4935.	287.3	206.8	.88	4.634	102.7	475.9	.825
.8700	.9973	21.5	2569.1	4888.	290.7	208.3	.88	4.635	102.8	476.4	.833
.8800	.9975	21.3	2587.0	4841.	294.1	209.8	.88	4.636	102.9	477.0	.842
.8900	.9977	21.2	2605.0	4796.	297.5	211.3	.88	4.638	103.0	477.5	.851
.9000	.9980	21.0	2622.9	4751.	300.9	212.8	.88	4.638	103.0	478.0	.860
.9100	.9982	20.8	2640.9	4708.	304.4	214.3	.88	4.640	103.1	478.4	.868
.9200	.9984	20.7	2658.8	4665.	307.8	215.8	.88	4.641	103.2	479.0	.877
.9300	.9986	20.5	2676.7	4623.	311.3	217.3	.88	4.642	103.3	479.5	.886
.9400	.9988	20.3	2694.7	4581.	314.7	218.8	.88	4.643	103.4	480.0	.895
.9500	.9990	20.2	2712.6	4541.	318.2	220.3	.88	4.644	103.4	480.3	.903
.9600	.9992	20.0	2730.5	4501.	321.7	221.8	.88	4.645	103.5	480.7	.912
.9700	.9994	19.9	2748.5	4462.	325.2	223.3	.88	4.646	103.6	481.3	.921
.9800	.9996	19.7	2766.4	4423.	328.7	224.8	.88	4.647	103.6	481.6	.930
.9900	.9998	19.6	2784.3	4385.	332.2	226.3	.88	4.648	103.7	482.1	.939
1.0000	1.0000	19.4	2802.3	4348.	335.7	227.8	.88	4.649	103.8	482.5	.947

TABLE 5. SATURATED CRITICAL FLOW PROPERTIES

(P0 4000 KPA (TSAT 523.48 K))

X0	A0	R0 KG/M3	H0 KJ/KG	G KG/(S-M2)	AHF M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	798.7	1087.4	29757.	35.9	66.1	1.84	3.916	63.5	248.6	.054
.0100	.2864	575.7	1104.5	29238.	38.5	69.7	1.81	3.907	66.5	259.6	.062
.0200	.4478	490.0	1121.7	28946.	41.1	73.1	1.78	3.905	69.3	270.5	.071
.0300	.5513	369.4	1139.0	27765.	43.8	76.4	1.74	3.909	71.9	280.9	.080
.0400	.6234	313.3	1155.9	26048.	46.6	79.6	1.71	3.913	74.3	290.6	.090
.0500	.6765	272.0	1173.0	26127.	49.3	82.6	1.69	3.920	76.5	299.7	.099
.0600	.7172	240.3	1190.2	25318.	52.1	85.4	1.64	3.927	78.5	308.1	.109
.0700	.7494	214.2	1207.3	24534.	54.8	88.1	1.61	3.935	80.3	316.0	.118
.0800	.7755	194.0	1224.4	23779.	57.5	90.7	1.58	3.942	82.0	323.3	.128
.0900	.7971	178.0	1241.5	23047.	60.3	93.1	1.55	3.950	83.6	330.1	.139
.1000	.8153	163.9	1258.7	22368.	63.0	95.5	1.52	3.957	85.0	336.5	.147
.1100	.8308	151.8	1275.8	21711.	65.7	97.8	1.49	3.964	86.4	342.4	.157
.1200	.8442	141.4	1293.0	21087.	68.5	100.1	1.46	3.972	87.6	348.0	.166
.1300	.8559	132.3	1310.1	20494.	71.2	102.2	1.44	3.979	88.8	353.3	.176
.1400	.8661	124.4	1327.2	19930.	73.9	104.3	1.41	3.986	89.9	358.3	.185
.1500	.8752	117.3	1344.3	19394.	76.7	106.4	1.39	3.992	90.9	363.0	.194
.1600	.8833	111.0	1361.5	18884.	79.4	108.5	1.37	3.999	91.9	367.5	.204
.1700	.8906	105.3	1378.6	18398.	82.1	110.5	1.34	4.005	92.7	371.7	.213
.1800	.8971	100.2	1395.7	17936.	84.9	112.4	1.32	4.011	93.5	375.7	.222
.1900	.9031	95.5	1412.9	17495.	87.6	114.4	1.31	4.016	94.2	379.5	.231
.2000	.9085	91.3	1430.0	17075.	90.4	116.3	1.29	4.022	95.3	383.1	.241
.2100	.9135	87.4	1447.1	16673.	93.1	118.2	1.27	4.027	96.0	386.6	.250
.2200	.9181	83.9	1464.2	16290.	95.8	120.0	1.25	4.033	96.7	389.9	.259
.2300	.9223	80.6	1481.4	15923.	98.6	121.8	1.24	4.038	97.3	393.0	.268
.2400	.9262	77.6	1498.5	15573.	101.4	123.6	1.22	4.042	98.0	396.0	.277
.2500	.9298	74.8	1515.6	15237.	104.2	125.4	1.21	4.047	98.6	398.9	.286
.2600	.9332	72.1	1532.8	14915.	107.0	127.2	1.19	4.052	99.1	401.7	.295
.2700	.9365	69.7	1549.9	14606.	109.8	129.0	1.18	4.056	99.7	404.4	.304
.2800	.9397	67.4	1567.0	14309.	112.6	130.7	1.17	4.060	100.2	406.9	.313
.2900	.9428	65.3	1584.2	14024.	115.4	132.4	1.15	4.065	100.7	409.4	.322
1.000	.9459	63.3	1601.3	13750.	118.3	134.1	1.14	4.068	101.2	411.7	.331
.3100	.9470	61.4	1618.4	13487.	121.1	135.8	1.13	4.072	101.7	414.0	.340
.3200	.9489	59.6	1635.5	13233.	124.0	137.5	1.12	4.076	102.1	416.2	.349
.3300	.9514	58.0	1652.7	12989.	126.9	139.2	1.11	4.080	102.5	418.4	.358
.3400	.9514	56.4	1669.8	12753.	129.8	140.8	1.10	4.083	102.9	420.4	.367
.3500	.9553	54.9	1686.9	12526.	132.7	142.4	1.09	4.087	103.4	422.4	.376
.3600	.9572	53.4	1704.1	12307.	135.6	144.0	1.08	4.090	103.7	424.2	.385
.3700	.9589	52.0	1721.2	12095.	138.6	145.6	1.07	4.093	104.1	426.1	.394
.3800	.9606	50.8	1738.3	11890.	141.5	147.2	1.06	4.097	104.4	427.9	.403
.3900	.9621	49.6	1755.4	11692.	144.5	148.8	1.05	4.100	104.8	429.6	.411
.4000	.9636	48.4	1772.6	11501.	147.5	150.4	1.04	4.103	105.1	431.3	.420
.4100	.9650	47.3	1789.7	11316.	150.5	151.9	1.04	4.106	105.5	433.0	.429
.4200	.9664	46.3	1806.8	11136.	153.6	153.5	1.03	4.108	105.8	434.6	.438
.4300	.9677	45.2	1824.0	10962.	156.7	155.0	1.02	4.111	106.1	436.1	.447
.4400	.9690	44.3	1841.1	10794.	159.8	156.5	1.02	4.113	106.3	437.5	.456
.4500	.9702	43.3	1858.2	10630.	162.9	158.0	1.01	4.117	106.6	438.9	.464
.4600	.9713	42.4	1875.4	10472.	166.0	159.6	1.00	4.119	106.9	440.3	.473
.4700	.9724	41.6	1892.5	10318.	169.2	161.1	1.00	4.122	107.2	441.7	.482
.4800	.9735	40.8	1909.6	10169.	172.4	162.6	.99	4.124	107.4	443.1	.491
.4900	.9746	40.0	1926.7	10023.	175.6	164.1	.99	4.127	107.7	444.4	.500
.5000	.9755	39.2	1943.9	9882.	178.8	165.5	.98	4.129	107.9	445.5	.508
.5100	.9764	38.5	1961.0	9745.	182.1	167.0	.98	4.131	108.1	446.8	.517
.5200	.9773	37.8	1978.1	9613.	185.4	168.4	.97	4.133	108.4	448.0	.526
.5300	.9782	37.1	1995.3	9482.	188.7	169.8	.97	4.136	108.6	449.2	.535
.5400	.9790	36.4	2012.4	9356.	192.1	171.2	.96	4.138	108.8	450.3	.543
.5500	.9798	35.8	2029.5	9233.	195.5	172.6	.96	4.140	109.0	451.3	.552
.5600	.9806	35.2	2046.6	9113.	199.0	174.0	.96	4.142	109.2	452.4	.561
.5700	.9814	34.6	2063.8	8996.	202.4	175.3	.95	4.144	109.4	453.5	.570
.5800	.9821	34.0	2080.9	8882.	206.0	176.7	.95	4.146	109.6	454.5	.578
.5900	.9828	33.5	2098.0	8771.	209.5	178.0	.95	4.148	109.8	455.6	.587
.6000	.9835	32.9	2115.2	8663.	213.1	179.3	.94	4.149	110.0	456.4	.596
.6100	.9842	32.4	2132.3	8558.	216.7	180.6	.94	4.151	110.2	457.4	.604
.6200	.9848	31.9	2149.4	8454.	220.4	181.9	.94	4.153	110.4	458.4	.613
.6300	.9854	31.4	2166.6	8354.	224.1	183.2	.93	4.155	110.5	459.3	.622
.6400	.9860	31.0	2183.7	8256.	227.8	184.4	.93	4.157	110.7	460.2	.631
.6500	.9866	30.5	2200.8	8160.	231.7	185.5	.93	4.158	110.9	461.0	.639
.6600	.9872	30.1	2217.9	8066.	235.5	186.6	.93	4.160	111.0	461.9	.648
.6700	.9878	29.6	2235.1	7974.	239.5	187.8	.93	4.162	111.2	462.7	.657
.6800	.9883	29.2	2252.2	7885.	243.4	188.9	.92	4.163	111.3	463.6	.665
.6900	.9888	28.8	2269.3	7797.	247.5	189.9	.92	4.165	111.5	464.3	.674
.7000	.9893	28.4	2286.5	7712.	251.5	191.0	.92	4.166	111.6	465.1	.683
.7100	.9898	28.0	2303.6	7628.	255.7	192.0	.92	4.168	111.7	465.9	.691
.7200	.9903	27.6	2320.7	7546.	259.9	193.0	.92	4.169	111.9	466.6	.700
.7300	.9908	27.3	2337.8	7465.	264.1	194.0	.92	4.171	112.0	467.4	.709
.7400	.9912	26.9	2355.0	7387.	268.4	195.0	.92	4.173	112.2	468.1	.717
.7500	.9917	26.6	2372.1	7310.	272.8	196.0	.92	4.173	112.3	468.8	.726
.7600	.9921	26.2	2389.2	7235.	277.3	196.9	.92	4.175	112.4	469.4	.734
.7700	.9925	25.9	2406.4	7161.	281.8	197.9	.92	4.177	112.5	470.2	.743
.7800	.9930	25.6	2423.5	7089.	286.4	198.8	.92	4.177	112.7	470.8	.752
.7900	.9934	25.3	2440.6	7018.	291.1	199.7	.92	4.179	112.8	471.5	.760
.8000	.9937	25.0	2457.8	6949.	295.8	200.6	.92	4.180	112.9	472.1	.769
.8100	.9941	24.7	2474.9	6881.	300.8	201.5	.92	4.181	113.1	472.7	.778
.8200	.9945	24.4	2492.0	6814.	305.7	202.4	.92	4.182	113.2	473.3	.786
.8300	.9949	24.1	2509.1	6749.	310.7	203.3	.92	4.184	113.3	473.9	.795
.8400	.9952	23.8	2526.3	6684.	315.9	204.2	.92	4.185	113.4	474.6	.804
.8500	.9956	23.5	2543.4	6621.	321.1	205.1	.93	4.186	113.6	475.1	.812
.8600	.9959	23.3	2560.5	6560.	326.5	206.0	.93	4.188	113.7	475.8	.821
.8700	.9963	23.0	2577.7	6499.	331.9	206.8	.93	4.188	113.8	476.3	.829
.8800	.9966	22.8	2594.8	6439.	337.5	207.7	.93	4.190	113.9	476.9	.838
.8900	.9969	22.5	2611.9	6381.	343.2	208.5	.93	4.191	114.0	477.4	.847
.9000	.9972	22.3	2629.0	6323.	349.0	209.4	.94	4.193	114.0	477.9	.855
.9100	.9975	22.0	2646.2	6267.	355.0	210.2	.94	4.193	114.1	478.4	.864
.9200	.9978	21.8	2663.3	6212.	361.1	211.0	.94	4.195	114.2	478.9	.873
.9300	.9981	21.6	2680.4	6158.	367.3	211.8	.95	4.196	114.3	479.4	.881
.9400	.9984	21.3	2697.6	6104.	373.7	212.6	.95	4.196	114.4	479.9	.890
.9500	.9987	21.1	2714.7	6051.	380.3	213.4	.95	4.197	114.5	480.4	.898
.9600	.9990	20.9	2731.8	5999.	387.0	214.2	.96	4.198	114.6	480.9	.907
.9700	.9993	20.7	2749.0	5949.	393.9	214.9	.96	4.199	114.7	481.5	.915
.9800	.9996	20.5	2766.1	5899.	401.1	215.7	.97	4.200	114.7	481.8	.924
.9900	.9997	20.3	2783.2	5850.	408.5	216.4	.97	4.201	114.8	482.3	.933
1.0000	1.0000	20.1	2800.3	5801.	415.9	217.1	.98	4.202	114.9	482.9	.941

TABLE 5 SATURATED CRITICAL FLOW PROPERTIES

(P0 5000 KPA (TSAT 537.06 K))

XQ	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XE
0.0000	0.0000	777.7	1154.5	33115.	42.7	74.3	1.74	1.623	71.0	257.2	.061
.0100	.2365	590.8	1170.9	32571.	45.3	77.7	1.72	1.617	73.8	268.9	.069
.0200	.3849	488.1	1187.3	31498.	48.0	81.0	1.69	1.616	76.4	278.4	.078
.0300	.4868	[illegible]	1203.7	31131.	50.6	84.3	1.66	1.614	78.9	285.5	.087
.0400	.5610	[illegible]	1220.1	30168.	53.4	87.5	1.64	1.622	81.2	294.1	.097
.0500	.6174	313.2	1236.5	29576.	56.1	90.5	1.61	1.627	83.3	302.2	.106
.0600	.6619	279.8	1252.8	28789.	58.9	93.1	1.58	1.632	85.3	309.7	.115
.0700	.6987	253.8	1269.2	28018.	61.6	95.8	1.55	1.638	87.1	316.6	.125
.0800	.7293	230.6	1285.6	27269.	64.4	98.4	1.53	1.644	88.8	323.6	.134
.0900	.7550	211.9	1302.0	26544.	67.1	100.9	1.50	1.650	90.4	329.8	.144
.1000	.7771	196.1	1318.4	25846.	69.9	103.3	1.48	1.656	91.8	335.8	.153
.1100	.7962	182.4	1334.8	25176.	72.6	105.7	1.46	1.662	93.2	341.4	.162
.1200	.8070	170.5	1351.2	24533.	75.4	108.0	1.43	1.668	94.5	346.7	.172
.1300	.8209	160.1	1367.6	23918.	78.1	110.2	1.41	1.674	95.7	351.6	.181
.1400	.8331	150.9	1384.0	23329.	80.8	112.4	1.39	1.680	96.9	356.4	.190
.1500	.8440	142.7	1400.4	22763.	83.6	114.6	1.37	1.686	97.9	360.9	.199
.1600	.8538	135.3	1416.8	22223.	86.4	116.7	1.35	1.691	98.9	365.1	.209
.1700	.8626	128.7	1433.2	21705.	89.1	118.8	1.33	1.696	99.9	369.1	.218
.1800	.8707	122.7	1449.6	21209.	91.9	120.8	1.31	1.701	100.7	373.0	.227
.1900	.8779	117.2	1466.0	20734.	94.7	122.8	1.30	1.706	101.7	376.8	.236
.2000	.8846	112.2	1482.4	20279.	97.4	124.9	1.28	1.711	102.5	380.4	.245
.2100	.8907	107.6	1498.8	19843.	100.2	126.8	1.27	1.716	103.3	383.7	.254
.2200	.8964	103.3	1515.2	19425.	103.0	128.8	1.25	1.720	104.0	386.9	.263
.2300	.9016	99.4	1531.6	19025.	105.8	130.7	1.24	1.725	104.7	390.1	.272
.2400	.9064	95.8	1548.0	18634.	108.6	132.7	1.22	1.729	105.4	393.0	.281
.2500	.9109	92.4	1564.4	18262.	111.4	134.6	1.21	1.733	106.0	395.8	.290
.2600	.9151	89.3	1580.8	17905.	114.2	136.5	1.20	1.737	106.7	398.6	.299
.2700	.9190	86.3	1597.2	17551.	117.0	138.3	1.18	1.741	107.3	401.3	.308
.2800	.9226	83.5	1613.6	17229.	119.8	140.4	1.17	1.745	107.8	403.8	.317
.2900	.9261	81.0	1630.0	16909.	122.7	142.2	1.16	1.748	108.4	406.3	.326
.3000	.9293	78.6	1646.4	16601.	125.5	144.3	1.15	1.752	108.9	408.6	.335
.3100	.9323	76.3	1662.8	16304.	128.4	146.3	1.14	1.756	109.4	410.9	.343
.3200	.9352	74.1	1679.2	16017.	131.2	148.2	1.13	1.760	109.9	413.1	.352
.3300	.9378	72.1	1695.6	15740.	134.2	150.2	1.12	1.763	110.4	415.2	.361
.3400	.9405	70.2	1712.0	15473.	137.1	152.1	1.11	1.765	110.8	417.1	.370
.3500	.9429	68.3	1728.4	15213.	140.0	154.1	1.10	1.769	111.4	419.3	.378
.3600	.9452	66.6	1744.8	14962.	142.9	156.1	1.09	1.772	111.7	421.2	.388
.3700	.9474	64.9	1761.2	14720.	145.9	158.1	1.08	1.775	112.1	423.0	.396
.3800	.9495	63.4	1777.6	14488.	148.9	160.2	1.08	1.779	112.5	425.0	.405
.3900	.9515	61.9	1794.0	14257.	151.9	162.2	1.07	1.781	112.9	426.6	.414
.4000	.9534	60.4	1810.4	14037.	154.9	164.3	1.06	1.783	113.2	428.4	.423
.4100	.9552	59.1	1826.7	13823.	157.9	166.4	1.05	1.786	113.6	430.0	.431
.4200	.9569	57.8	1843.1	13615.	160.9	168.4	1.05	1.788	113.9	431.5	.440
.4300	.9586	56.5	1859.5	13414.	164.0	170.5	1.04	1.791	114.3	433.2	.449
.4400	.9601	55.3	1875.9	13218.	167.1	172.6	1.03	1.794	114.6	434.7	.457
.4500	.9617	54.2	1892.3	13028.	170.2	174.9	1.03	1.796	114.9	436.1	.466
.4600	.9631	53.1	1908.7	12844.	173.3	177.1	1.02	1.799	115.2	437.6	.475
.4700	.9645	52.0	1925.1	12664.	176.5	179.4	1.01	1.801	115.5	438.9	.483
.4800	.9659	51.0	1941.5	12490.	179.7	181.6	1.01	1.805	115.8	440.3	.492
.4900	.9672	50.1	1957.9	12320.	182.9	184.0	1.01	1.805	116.1	441.7	.501
.5000	.9684	49.1	1974.3	12155.	186.1	186.3	1.00	1.807	116.3	442.9	.509
.5100	.9696	48.2	1990.7	11994.	189.4	188.6	1.00	1.810	116.6	444.2	.518
.5200	.9708	47.3	2007.1	11837.	192.7	191.0	.99	1.812	116.9	445.5	.527
.5300	.9719	46.4	2023.5	11684.	196.0	193.3	.99	1.814	117.1	446.7	.535
.5400	.9730	45.7	2039.9	11536.	199.3	195.6	.98	1.816	117.3	447.7	.544
.5500	.9740	44.9	2056.3	11390.	202.7	198.0	.98	1.818	117.6	448.9	.553
.5600	.9750	44.2	2072.7	11249.	206.1	201.3	.98	1.820	117.8	450.0	.561
.5700	.9760	43.4	2089.1	11111.	209.6	203.4	.97	1.822	118.0	451.1	.570
.5800	.9769	42.7	2105.5	10976.	213.0	206.1	.97	1.824	118.2	452.1	.579
.5900	.9778	42.0	2121.9	10845.	216.5	208.4	.97	1.827	118.5	453.2	.587
.6000	.9787	41.4	2138.3	10717.	220.1	211.0	.96	1.827	118.7	454.3	.595
.6100	.9796	40.7	2154.7	10591.	223.7	214.3	.96	1.829	118.9	455.2	.604
.6200	.9804	40.1	2171.1	10469.	227.3	217.6	.96	1.830	119.1	456.2	.613
.6300	.9812	39.5	2187.5	10349.	231.0	220.8	.95	1.832	119.3	457.2	.622
.6400	.9820	38.9	2203.9	10232.	234.7	224.5	.95	1.834	119.5	458.1	.630
.6500	.9827	38.3	2220.3	10118.	238.4	226.5	.95	1.835	119.7	459.0	.639
.6600	.9835	37.8	2236.7	10006.	242.2	229.6	.95	1.837	119.8	459.8	.647
.6700	.9842	37.3	2253.1	9897.	246.0	232.9	.95	1.838	120.0	460.8	.655
.6800	.9849	36.7	2269.5	9790.	249.9	236.1	.94	1.840	120.2	461.5	.664
.6900	.9856	36.2	2285.9	9685.	253.9	239.4	.94	1.841	120.4	462.4	.672
.7000	.9862	35.7	2302.3	9582.	257.8	242.9	.94	1.843	120.6	463.3	.681
.7100	.9869	35.3	2318.7	9482.	261.9	246.3	.94	1.844	120.7	464.0	.689
.7200	.9875	34.8	2335.1	9384.	266.0	249.9	.94	1.846	120.9	464.8	.699
.7300	.9881	34.3	2351.5	9288.	270.1	253.6	.94	1.847	121.0	465.6	.706
.7400	.9887	33.9	2367.9	9193.	274.3	257.2	.94	1.848	121.2	466.3	.715
.7500	.9892	33.5	2384.2	9101.	278.6	261.2	.94	1.849	121.3	467.0	.723
.7600	.9898	33.0	2400.6	9010.	282.9	265.1	.94	1.851	121.4	467.7	.732
.7700	.9904	32.6	2417.0	8921.	287.3	269.1	.94	1.852	121.6	468.5	.740
.7800	.9909	32.2	2433.4	8834.	291.8	273.3	.94	1.853	121.8	469.2	.749
.7900	.9914	31.8	2449.8	8749.	296.3	277.6	.94	1.854	121.9	469.8	.757
.8000	.9919	31.4	2466.2	8665.	300.9	282.0	.94	1.856	122.0	470.6	.766
.8100	.9924	31.1	2482.6	8583.	305.5	286.5	.94	1.857	122.2	471.3	.774
.8200	.9929	30.7	2499.0	8503.	310.2	291.1	.94	1.858	122.3	471.9	.783
.8300	.9934	30.4	2515.4	8424.	315.0	295.9	.94	1.859	122.4	472.5	.791
.8400	.9938	30.0	2531.8	8346.	319.8	300.9	.94	1.861	122.5	473.1	.800
.8500	.9943	29.7	2548.2	8270.	325.1	305.9	.94	1.862	122.7	473.9	.808
.8600	.9947	29.3	2564.6	8195.	330.1	311.2	.94	1.863	122.8	474.4	.817
.8700	.9952	29.0	2581.0	8121.	335.3	316.6	.94	1.864	122.9	474.9	.825
.8800	.9956	28.7	2597.4	8048.	340.6	322.0	.95	1.865	123.0	475.6	.834
.8900	.9960	28.4	2613.8	7976.	346.0	327.9	.95	1.866	123.1	476.1	.842
.9000	.9964	28.1	2630.2	7909.	351.5	333.8	.95	1.867	123.3	476.6	.851
.9100	.9968	27.8	2646.6	7840.	357.1	340.0	.95	1.868	123.4	477.3	.859
.9200	.9972	27.5	2663.0	7771.	362.8	346.3	.95	1.869	123.5	477.8	.868
.9300	.9976	27.2	2679.4	7707.	368.7	352.8	.96	1.870	123.6	478.3	.876
.9400	.9979	26.9	2695.8	7642.	374.7	359.4	.96	1.871	123.7	478.8	.885
.9500	.9983	26.7	2712.2	7578.	380.8	366.2	.96	1.872	123.8	479.3	.893
.9600	.9986	26.4	2728.6	7515.	387.0	374.0	.97	1.873	123.9	479.8	.902
.9700	.9990	26.1	2745.0	7453.	393.4	381.6	.97	1.874	124.0	480.4	.910
.9800	.9993	25.9	2761.4	7392.	400.0	388.6	.97	1.875	124.1	480.9	.919
.9900	.9997	25.6	2777.8	7332.	406.7	397.7	.98	1.876	124.2	481.4	.927
1.0000	1.0000	25.4	2794.2	7273.	413.6	404.3	.98	1.877	124.3	481.8	.936

TABLE 5. SATURATED CRITICAL FLOW PROPERTIES

(PO 6000 KPA (TSAT 548.70 K))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG		-2S	VV M/S	XF
0.0000	0.0000	758.3	1213.7	36093.	49.2	81.9	1.66	3.395	77.9	264.5	.069
.0100	.1090	613.5	1229.4	35532.	51.9	85.2	1.64	3.391	80.5	273.1	.077
.0200	.3342	515.2	1249.1	34870.	54.5	88.4	1.62	3.390	83.0	281.5	.086
.0300	.4321	444.0	1260.2	34150.	57.2	91.5	1.60	3.397	85.4	289.6	.095
.0400	.5062	390.1	1276.5	33398.	59.8	94.5	1.58	3.394	87.6	297.2	.104
.0500	.5642	347.9	1292.3	32635.	62.7	97.4	1.55	3.398	89.6	304.5	.113
.0600	.6109	313.9	1308.0	31874.	64.4	100.1	1.53	3.403	91.5	311.4	.122
.0700	.6493	286.0	1323.5	31123.	66.1	102.8	1.51	3.407	93.2	317.9	.131
.0800	.6814	262.6	1338.4	30388.	70.6	105.4	1.49	3.412	94.7	324.0	.141
.0900	.7087	242.8	1353.1	29672.	73.6	108.0	1.47	3.417	96.0	329.8	.150
.1000	.7321	225.7	1370.4	28977.	76.4	110.4	1.45	3.422	98.0	335.3	.159
.1100	.7525	210.9	1386.5	28306.	79.1	112.8	1.43	3.428	99.4	340.6	.168
.1200	.7703	197.9	1402.3	27658.	81.8	115.1	1.41	3.433	100.7	345.6	.177
.1300	.7861	186.4	1418.0	27033.	84.6	117.4	1.39	3.437	101.8	350.2	.186
.1400	.8002	176.2	1433.4	26431.	87.3	119.6	1.37	3.442	103.0	354.7	.195
.1500	.8128	167.0	1449.4	25851.	90.1	121.8	1.35	3.449	104.1	359.0	.205
.1600	.8241	158.8	1465.1	25293.	92.9	124.0	1.34	3.452	105.2	363.1	.214
.1700	.8344	151.3	1480.8	24756.	95.6	126.2	1.32	3.456	106.2	366.9	.223
.1800	.8437	144.5	1496.2	24239.	98.3	128.3	1.30	3.461	107.1	370.7	.232
.1900	.8523	138.3	1512.0	23742.	101.1	130.3	1.29	3.465	108.0	374.3	.241
.2000	.8601	132.6	1528.0	23263.	103.8	132.4	1.27	3.470	108.9	377.7	.250
.2100	.8674	127.3	1543.7	22802.	106.6	134.4	1.26	3.474	109.7	381.0	.259
.2200	.8740	122.5	1559.4	22358.	109.4	136.4	1.25	3.478	110.4	384.1	.267
.2300	.8802	118.0	1575.1	21929.	112.2	138.3	1.23	3.483	111.2	387.1	.276
.2400	.8859	113.8	1590.8	21516.	115.0	140.2	1.22	3.486	111.8	390.0	.285
.2500	.8913	109.9	1606.5	21118.	117.8	142.1	1.21	3.489	112.6	392.8	.294
.2600	.8963	106.3	1622.2	20733.	120.6	144.0	1.20	3.493	113.2	395.5	.303
.2700	.9010	102.9	1637.9	20362.	123.4	145.8	1.18	3.496	113.9	398.1	.312
.2800	.9054	99.7	1653.7	20004.	126.2	147.6	1.17	3.500	114.5	400.6	.320
.2900	.9095	96.7	1669.4	19657.	129.1	149.4	1.16	3.503	115.0	403.0	.329
.3000	.9134	93.9	1685.1	19322.	131.9	151.1	1.15	3.506	115.6	405.4	.338
.3100	.9170	91.2	1700.8	18998.	134.8	152.8	1.13	3.509	116.1	407.6	.347
.3200	.9205	88.7	1716.5	18684.	137.6	154.4	1.12	3.513	116.6	409.8	.355
.3300	.9238	86.3	1732.2	18380.	140.5	156.0	1.11	3.516	117.1	411.9	.364
.3400	.9269	84.0	1748.0	18086.	143.4	157.5	1.10	3.519	117.6	414.0	.373
.3500	.9298	81.9	1763.7	17801.	146.3	159.0	1.09	3.522	118.1	416.0	.381
.3600	.9326	79.9	1779.4	17525.	149.2	160.5	1.08	3.524	118.6	417.9	.390
.3700	.9353	77.9	1795.1	17257.	152.2	162.0	1.06	3.527	119.0	419.8	.399
.3800	.9378	76.1	1810.8	16996.	155.1	163.4	1.05	3.530	119.4	421.6	.407
.3900	.9402	74.3	1826.5	16744.	158.1	164.8	1.04	3.533	119.9	423.4	.416
.4000	.9425	72.6	1842.2	16499.	161.1	166.2	1.03	3.535	120.3	425.1	.424
.4100	.9447	71.0	1857.9	16261.	164.1	167.6	1.02	3.538	120.6	426.8	.433
.4200	.9468	69.5	1873.6	16029.	167.1	168.9	1.01	3.540	121.0	428.5	.442
.4300	.9489	68.0	1889.4	15804.	170.2	170.2	1.00	3.543	121.4	430.1	.450
.4400	.9508	66.6	1905.1	15585.	173.2	171.5	1.00	3.545	121.7	431.8	.459
.4500	.9527	65.3	1920.8	15372.	176.3	172.7	1.00	3.547	122.1	433.4	.467
.4600	.9545	64.0	1936.5	15165.	179.4	174.0	1.00	3.549	122.4	434.9	.476
.4700	.9562	62.7	1952.2	14963.	182.5	175.2	1.00	3.551	122.7	436.5	.484
.4800	.9578	61.5	1967.9	14767.	185.6	176.4	1.00	3.553	123.0	438.0	.493
.4900	.9594	60.4	1983.6	14575.	188.7	177.6	1.00	3.555	123.3	439.5	.501
.5000	.9609	59.2	1999.4	14389.	192.1	178.8	1.00	3.558	123.6	439.8	.510
.5100	.9624	58.2	2015.1	14207.	195.3	179.9	1.00	3.560	123.9	441.2	.518
.5200	.9638	57.1	2030.8	14029.	198.5	181.0	1.00	3.562	124.2	442.6	.527
.5300	.9651	56.1	2046.5	13856.	201.8	182.1	1.00	3.563	124.5	443.9	.535
.5400	.9665	55.2	2062.2	13688.	205.1	183.2	1.00	3.566	124.8	445.3	.544
.5500	.9678	54.2	2077.9	13523.	208.5	184.3	1.00	3.567	125.0	445.9	.552
.5600	.9690	53.3	2093.6	13362.	211.8	185.3	.99	3.569	125.3	447.1	.561
.5700	.9702	52.5	2109.3	13205.	215.2	186.3	.99	3.571	125.5	448.3	.569
.5800	.9714	51.6	2125.1	13051.	218.6	187.3	.99	3.573	125.8	449.5	.578
.5900	.9725	50.8	2140.8	12901.	222.1	188.3	.98	3.574	126.0	450.3	.586
.6000	.9736	50.0	2156.5	12755.	225.6	189.3	.98	3.576	126.2	451.4	.595
.6100	.9747	49.3	2172.2	12612.	229.1	190.2	.98	3.578	126.5	452.4	.603
.6200	.9757	48.5	2187.9	12471.	232.6	191.2	.97	3.579	126.7	453.3	.612
.6300	.9767	47.8	2203.6	12334.	236.2	192.1	.97	3.581	126.9	454.4	.620
.6400	.9776	47.1	2219.3	12200.	239.9	193.0	.97	3.582	127.1	455.4	.628
.6500	.9786	46.4	2235.0	12069.	243.5	193.9	.97	3.584	127.3	456.2	.637
.6600	.9795	45.8	2250.8	11941.	247.2	194.8	.96	3.585	127.5	457.2	.645
.6700	.9804	45.1	2266.5	11815.	251.0	195.6	.96	3.587	127.7	458.1	.654
.6800	.9812	44.5	2282.2	11692.	254.7	196.5	.96	3.588	127.9	459.0	.662
.6900	.9821	43.9	2297.9	11572.	258.6	197.3	.96	3.590	128.1	459.8	.670
.7000	.9829	43.3	2313.6	11453.	262.5	198.1	.96	3.591	128.3	460.7	.679
.7100	.9837	42.7	2329.3	11338.	266.4	198.9	.96	3.593	128.5	461.6	.687
.7200	.9844	42.2	2345.0	11224.	270.3	199.7	.96	3.594	128.7	462.4	.696
.7300	.9852	41.6	2360.8	11113.	274.4	200.5	.95	3.595	128.8	463.3	.704
.7400	.9859	41.1	2376.5	11004.	278.5	201.3	.95	3.596	129.0	463.9	.712
.7500	.9866	40.6	2392.2	10897.	282.4	202.0	.95	3.598	129.2	464.7	.721
.7600	.9873	40.0	2407.9	10793.	286.4	202.8	.95	3.599	129.3	465.4	.729
.7700	.9880	39.6	2423.6	10690.	290.4	203.5	.95	3.600	129.5	466.2	.737
.7800	.9887	39.1	2439.3	10589.	294.5	204.2	.95	3.601	129.6	466.9	.746
.7900	.9893	38.6	2455.0	10490.	298.6	205.0	.95	3.603	129.8	467.6	.754
.8000	.9899	38.1	2470.7	10393.	302.7	205.7	.95	3.604	129.9	468.3	.763
.8100	.9906	37.7	2486.5	10297.	306.9	206.4	.95	3.605	130.1	469.0	.771
.8200	.9912	37.3	2502.2	10204.	311.1	207.1	.95	3.606	130.2	469.6	.779
.8300	.9917	36.8	2517.9	10112.	315.3	207.8	.95	3.607	130.4	470.3	.788
.8400	.9923	36.4	2533.6	10021.	319.6	208.4	.95	3.608	130.5	471.0	.796
.8500	.9929	36.0	2549.3	9933.	323.9	209.1	.95	3.609	130.7	471.6	.804
.8600	.9934	35.6	2565.0	9846.	328.2	209.7	.95	3.610	130.8	472.2	.813
.8700	.9940	35.2	2580.7	9760.	332.5	210.4	.95	3.611	130.9	472.9	.821
.8800	.9945	34.8	2596.4	9676.	336.9	211.0	.96	3.612	131.1	473.5	.830
.8900	.9950	34.5	2612.2	9593.	341.3	211.6	.96	3.614	131.2	474.1	.838
.9000	.9955	34.1	2627.9	9512.	345.7	212.3	.96	3.614	131.3	474.7	.846
.9100	.9960	33.7	2643.6	9432.	350.2	212.9	.96	3.615	131.4	475.3	.854
.9200	.9965	33.4	2659.3	9353.	354.7	213.5	.96	3.617	131.6	475.9	.863
.9300	.9969	33.0	2675.0	9276.	359.2	214.1	.97	3.617	131.7	476.4	.871
.9400	.9974	32.7	2690.7	9200.	363.8	214.7	.97	3.618	131.8	477.0	.879
.9500	.9979	32.4	2706.4	9125.	368.4	215.3	.97	3.619	131.9	477.5	.888
.9600	.9983	32.1	2722.2	9051.	373.0	215.9	.97	3.620	132.0	478.0	.896
.9700	.9987	31.7	2737.9	8979.	377.6	216.5	.98	3.621	132.2	478.5	.904
.9800	.9992	31.4	2753.6	8908.	382.3	217.1	.98	3.622	132.3	479.0	.913
.9900	.9996	31.1	2769.3	8837.	387.0	217.7	.98	3.623	132.4	479.6	.921
1.0000	1.0000	30.8	2785.0	8768.	391.7	218.3	.98	3.624	132.5	480.0	.929

TABLE 5a SATURATED CRITICAL FLOW PROPERTIES

(PO 7000 KPA (TSAT 558.94 K))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AMO M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	740.0	1267.4	38774.	55.7	89.1	1.60	3.208	84.4	270.9	.076
.0100	.1699	620.5	1292.5	38200.	58.3	92.3	1.58	3.206	86.9	278.6	.084
.0200	.3026	534.3	1309.5	37549.	60.9	95.3	1.56	3.206	89.2	286.1	.093
.0300	.3852	469.0	1321.6	36852.	63.6	98.4	1.55	3.207	91.5	293.3	.102
.0400	.4577	419.0	1331.7	36128.	66.3	101.3	1.53	3.209	93.8	300.2	.111
.0405	.4760	397.0	1342.7	35394.	68.0	104.1	1.51	3.212	95.2	306.8	.120
.0500	.5639	361.3	1357.8	34659.	71.7	106.8	1.49	3.216	97.3	313.0	.129
.0600	.6039	319.2	1373.8	33933.	74.4	109.5	1.47	3.220	99.6	319.0	.138
.0700	.6399	281.5	1388.9	33218.	77.1	112.0	1.45	3.224	100.9	324.6	.147
.0800	.6670	270.8	1403.0	32515.	79.8	114.5	1.43	3.229	102.2	329.9	.156
.1000	.6924	252.9	1418.0	31831.	82.5	117.0	1.42	3.232	103.9	335.1	.165
.1100	.7146	237.3	1433.1	31167.	85.3	119.4	1.40	3.237	105.0	340.0	.174
.1200	.7343	223.5	1448.2	30527.	88.0	121.7	1.38	3.241	106.5	344.6	.183
.1300	.7519	211.5	1463.3	29909.	90.7	124.0	1.37	3.245	107.5	349.0	.192
.1400	.7673	200.5	1478.5	29312.	93.4	126.3	1.35	3.250	108.7	353.2	.201
.1500	.7814	190.3	1493.3	28709.	96.1	128.4	1.34	3.254	109.8	357.5	.210
.1600	.7942	181.3	1508.4	28141.	98.9	130.7	1.32	3.258	110.9	361.1	.219
.1700	.8058	173.5	1523.4	27594.	101.6	132.8	1.31	3.262	111.9	364.8	.228
.1800	.8164	165.9	1538.5	27066.	104.3	135.0	1.29	3.266	112.8	368.4	.237
.1900	.8261	158.8	1553.6	26555.	107.1	137.0	1.28	3.270	113.8	371.8	.246
.2000	.8349	152.9	1568.6	26061.	109.9	139.2	1.27	3.274	114.6	374.1	.254
.2100	.8434	146.7	1583.7	25584.	112.6	141.2	1.25	3.277	115.4	378.3	.263
.2200	.8510	141.1	1598.8	25123.	115.3	143.2	1.24	3.281	116.2	381.4	.272
.2300	.8581	136.3	1613.8	24677.	118.1	145.3	1.23	3.284	117.0	384.2	.280
.2400	.8648	131.6	1628.9	24245.	120.8	147.4	1.22	3.288	117.7	387.1	.289
.2500	.8710	127.3	1643.9	23828.	123.6	149.4	1.21	3.291	118.4	389.8	.298
.2600	.8768	123.2	1659.0	23423.	126.4	151.4	1.20	3.294	119.1	392.4	.306
.2700	.8822	119.4	1674.0	23032.	129.2	153.4	1.19	3.298	119.8	394.9	.315
.2800	.8874	115.8	1689.1	22653.	132.0	155.5	1.18	3.301	120.4	397.5	.324
.2900	.8922	112.4	1704.1	22286.	134.8	157.5	1.17	3.304	121.0	399.8	.332
.3000	.8969	109.2	1719.3	21930.	137.6	159.6	1.16	3.307	121.6	402.1	.341
.3100	.9010	106.2	1734.3	21585.	140.5	161.6	1.15	3.310	122.2	404.3	.350
.3200	.9051	103.3	1749.3	21250.	143.3	163.6	1.14	3.313	122.8	406.5	.358
.3300	.9088	100.6	1764.4	20924.	146.3	165.7	1.13	3.316	123.3	408.6	.367
.3400	.9126	98.1	1779.5	20610.	149.0	167.7	1.13	3.318	123.8	410.6	.375
.3500	.9160	95.6	1794.5	20304.	151.9	169.8	1.12	3.321	124.3	412.9	.384
.3600	.9193	93.3	1809.6	20006.	154.8	171.9	1.11	3.323	124.7	414.5	.392
.3700	.9224	91.1	1824.6	19717.	157.7	174.0	1.10	3.326	125.2	416.4	.400
.3800	.9254	89.0	1839.7	19436.	160.6	176.0	1.10	3.328	125.6	418.2	.409
.3900	.9283	87.0	1854.8	19163.	163.6	178.2	1.09	3.331	126.0	420.0	.418
.4000	.9311	85.0	1869.8	18897.	166.5	180.3	1.08	3.333	126.5	421.6	.426
.4100	.9337	83.2	1884.9	18639.	169.5	182.5	1.08	3.335	126.9	423.3	.435
.4200	.9362	81.4	1900.0	18387.	172.5	184.6	1.07	3.338	127.3	425.0	.443
.4300	.9386	79.7	1915.0	18142.	175.5	186.8	1.06	3.340	127.7	426.5	.452
.4400	.9409	78.1	1930.1	17903.	178.5	189.0	1.06	3.342	128.1	428.1	.460
.4500	.9431	76.6	1945.1	17671.	181.6	191.3	1.05	3.344	128.4	429.6	.469
.4600	.9452	75.1	1960.2	17444.	184.6	193.5	1.05	3.347	128.8	431.1	.477
.4700	.9473	73.6	1975.3	17223.	187.7	195.8	1.04	3.349	129.1	432.4	.485
.4800	.9492	72.2	1990.3	17007.	190.8	198.1	1.04	3.350	129.5	433.8	.494
.4900	.9511	70.9	2005.4	16797.	193.9	200.4	1.03	3.353	129.8	435.2	.502
.5000	.9530	69.6	2020.4	16592.	197.1	202.8	1.03	3.354	130.1	436.5	.510
.5100	.9547	68.4	2035.5	16391.	200.2	205.2	1.02	3.356	130.4	437.8	.519
.5200	.9564	67.2	2050.6	16196.	203.4	207.6	1.02	3.358	130.8	439.1	.527
.5300	.9581	66.0	2065.6	16005.	206.6	210.0	1.02	3.360	131.0	440.3	.535
.5400	.9596	64.9	2080.7	15818.	209.9	212.5	1.01	3.362	131.3	441.5	.544
.5500	.9612	63.8	2095.7	15636.	213.2	215.0	1.01	3.363	131.6	442.7	.552
.5600	.9627	62.8	2110.8	15458.	216.4	217.6	1.01	3.365	131.9	443.8	.560
.5700	.9641	61.8	2125.9	15283.	219.8	220.2	1.00	3.367	132.2	444.9	.569
.5800	.9655	60.8	2141.0	15113.	223.1	222.9	1.00	3.369	132.4	446.1	.577
.5900	.9668	59.9	2156.0	14946.	226.5	225.5	1.00	3.372	132.7	447.1	.585
.6000	.9681	58.9	2171.0	14783.	229.9	228.3	.99	3.373	132.9	448.2	.594
.6100	.9694	58.1	2186.1	14624.	233.3	231.0	.99	3.373	133.2	449.3	.602
.6200	.9706	57.2	2201.2	14468.	236.8	233.7	.99	3.374	133.4	450.3	.610
.6300	.9718	56.4	2216.3	14315.	240.3	236.7	.99	3.377	133.7	451.3	.619
.6400	.9730	55.5	2231.3	14165.	243.8	239.6	.98	3.379	133.9	452.2	.627
.6500	.9741	54.7	2246.3	14019.	247.4	242.6	.98	3.379	134.1	453.1	.635
.6600	.9752	54.0	2261.4	13875.	251.0	245.6	.98	3.381	134.3	454.1	.643
.6700	.9763	53.2	2276.4	13735.	254.7	248.7	.98	3.382	134.5	455.0	.652
.6800	.9773	52.5	2291.5	13597.	258.3	251.8	.97	3.384	134.8	456.0	.660
.6900	.9783	51.8	2306.6	13462.	262.1	254.9	.97	3.385	135.0	456.9	.668
.7000	.9793	51.1	2321.6	13329.	265.8	258.0	.97	3.386	135.2	457.7	.676
.7100	.9802	50.4	2336.7	13199.	269.6	261.2	.97	3.387	135.4	458.5	.685
.7200	.9812	49.8	2351.8	13072.	273.5	264.5	.97	3.389	135.6	459.4	.693
.7300	.9821	49.1	2366.8	12947.	277.4	268.0	.97	3.390	135.9	460.2	.701
.7400	.9830	48.5	2381.9	12824.	281.3	271.6	.97	3.391	136.0	461.0	.709
.7500	.9838	47.9	2396.9	12704.	285.3	275.8	.97	3.393	136.1	461.7	.718
.7600	.9846	47.3	2412.0	12586.	289.3	279.9	.97	3.394	136.3	462.6	.726
.7700	.9855	46.8	2427.1	12470.	293.4	283.6	.96	3.395	136.5	463.3	.734
.7800	.9863	46.2	2442.1	12356.	297.5	286.6	.96	3.396	136.6	464.0	.742
.7900	.9870	45.6	2457.2	12245.	301.7	290.9	.96	3.397	136.8	464.8	.751
.8000	.9878	45.1	2472.2	12135.	306.0	294.9	.96	3.399	137.0	465.6	.759
.8100	.9886	44.6	2487.3	12027.	310.3	299.0	.96	3.399	137.1	466.2	.767
.8200	.9893	44.1	2502.4	11921.	314.6	303.2	.96	3.401	137.3	466.9	.775
.8300	.9900	43.6	2517.4	11816.	319.1	307.6	.96	3.402	137.5	467.6	.783
.8400	.9907	43.2	2532.5	11715.	323.8	312.1	.96	3.403	137.6	468.3	.792
.8500	.9914	42.6	2547.5	11614.	328.1	316.4	.97	3.404	137.8	469.0	.800
.8600	.9920	42.1	2562.6	11514.	332.7	321.2	.97	3.405	137.9	469.6	.808
.8700	.9927	41.7	2577.6	11418.	337.4	325.8	.97	3.406	138.1	470.2	.816
.8800	.9933	41.2	2592.7	11323.	342.1	330.7	.97	3.407	138.2	470.9	.824
.8900	.9939	40.8	2607.7	11229.	347.0	335.7	.97	3.408	138.4	471.5	.833
.9000	.9945	40.4	2622.9	11137.	351.9	340.7	.97	3.409	138.5	472.1	.841
.9100	.9951	39.9	2637.9	11046.	356.9	345.8	.97	3.410	138.6	472.8	.849
.9200	.9957	39.4	2653.0	10956.	362.0	350.9	.97	3.411	138.8	473.3	.857
.9300	.9963	39.0	2668.0	10868.	367.1	356.2	.97	3.412	138.9	473.9	.865
.9400	.9969	38.7	2683.1	10781.	372.4	361.5	.97	3.413	139.0	474.5	.873
.9500	.9974	38.4	2698.2	10697.	377.7	366.9	.97	3.414	139.2	475.1	.881
.9600	.9979	38.0	2713.2	10611.	383.1	372.4	.97	3.415	139.3	475.6	.890
.9700	.9985	37.6	2728.3	10530.	388.6	378.0	.98	3.416	139.4	476.2	.898
.9800	.9990	37.2	2743.3	10449.	394.4	383.8	.98	3.416	139.5	476.9	.906
.9900	.9995	36.9	2758.4	10369.	400.2	389.7	.98	3.417	139.7	477.2	.914
1.0000	1.0000	36.5	2773.5	10290.	406.1	402.3	.99	3.414	139.8	477.7	.922

TABLE 5. SATURATED CRITICAL FLOW PROPERTIES

(P0 8000 KPA (TSAT 568.12 K))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	722.4	1317.1	41210.	62.0	96.0	1.55	3.051	90.6	276.5	.084
.0100	.1445	622.8	1331.5	46628.	64.6	99.1	1.53	3.050	93.0	283.5	.092
.0200	.2878	547.3	1346.0	39989.	67.2	102.1	1.52	3.050	95.5	290.7	.101
.0300	.3445	498.2	1360.4	39319.	69.8	105.0	1.50	3.051	97.9	298.1	.109
.0400	.4146	460.5	1374.8	38616.	72.5	107.8	1.49	3.053	99.7	305.9	.118
.0500	.4721	401.4	1389.2	37909.	75.2	110.5	1.47	3.056	101.1	308.9	.127
.0600	.5203	368.6	1403.7	37202.	77.8	113.2	1.45	3.059	102.8	314.6	.135
.0700	.5612	340.8	1418.3	36498.	80.5	115.8	1.44	3.062	104.9	320.9	.145
.0800	.5964	316.9	1432.9	35805.	83.2	118.3	1.42	3.066	106.1	325.7	.153
.0900	.6270	296.1	1446.9	35123.	85.8	120.8	1.41	3.069	107.6	330.1	.162
.1000	.6538	277.9	1461.4	34456.	88.5	123.2	1.39	3.073	109.0	334.0	.171
.1100	.6775	261.8	1475.8	33804.	91.2	125.6	1.38	3.077	110.3	339.4	.180
.1200	.6986	247.5	1490.2	33169.	93.9	127.9	1.36	3.080	111.6	343.8	.188
.1300	.7175	234.6	1504.7	32550.	96.6	130.2	1.35	3.084	112.8	347.9	.198
.1400	.7345	223.0	1519.1	31949.	99.2	132.4	1.33	3.088	114.0	351.9	.206
.1500	.7499	212.5	1533.4	31366.	101.9	134.7	1.32	3.092	115.1	355.7	.215
.1600	.7640	203.0	1547.9	30799.	104.6	136.9	1.31	3.095	116.1	359.4	.224
.1700	.7768	194.2	1562.4	30250.	107.3	139.0	1.30	3.099	117.1	362.9	.233
.1800	.7886	186.2	1576.8	29717.	110.0	141.1	1.28	3.102	118.0	366.3	.241
.1900	.7995	178.9	1591.2	29200.	112.7	143.3	1.27	3.106	119.0	369.6	.250
.2000	.8095	172.0	1605.7	28698.	115.4	145.4	1.26	3.109	119.9	372.7	.259
.2100	.8188	165.7	1620.1	28212.	118.1	147.5	1.25	3.112	120.7	375.7	.267
.2200	.8274	159.9	1634.5	27741.	120.9	149.6	1.24	3.116	121.5	378.7	.276
.2300	.8354	154.4	1648.9	27284.	123.6	151.6	1.23	3.119	122.3	381.5	.284
.2400	.8429	149.3	1663.4	26840.	126.3	153.7	1.22	3.122	123.1	384.2	.293
.2500	.8500	144.5	1677.8	26410.	129.0	155.7	1.21	3.125	123.8	386.8	.302
.2600	.8566	140.0	1692.2	25992.	131.8	157.8	1.20	3.128	124.5	389.4	.310
.2700	.8627	135.8	1706.7	25587.	134.5	159.8	1.19	3.131	125.2	391.9	.319
.2800	.8686	131.9	1721.1	25193.	137.3	161.9	1.18	3.134	125.8	394.3	.327
.2900	.8741	128.1	1735.5	24811.	140.1	163.9	1.17	3.136	126.4	396.6	.336
.3000	.8793	124.6	1749.9	24440.	142.9	166.0	1.16	3.139	127.1	398.9	.344
.3100	.8842	121.2	1764.4	24078.	145.7	168.0	1.15	3.142	127.6	401.1	.353
.3200	.8889	118.0	1778.8	23727.	148.5	170.0	1.15	3.145	128.2	403.2	.361
.3300	.8933	115.0	1793.2	23386.	151.3	172.0	1.14	3.147	128.8	405.2	.369
.3400	.8974	112.1	1807.6	23054.	154.1	174.0	1.13	3.150	129.3	407.2	.378
.3500	.9015	109.5	1822.1	22731.	156.9	176.1	1.12	3.152	129.8	409.2	.386
.3600	.905	106.9	1836.5	22417.	159.8	178.1	1.12	3.155	130.3	411.1	.395
.3700	.9089	104.4	1850.9	22111.	162.7	180.1	1.11	3.157	130.8	412.9	.403
.3800	.9124	102.1	1865.4	21813.	165.5	182.1	1.10	3.159	131.3	414.7	.411
.3900	.9157	99.8	1879.8	21525.	168.4	184.1	1.09	3.161	131.7	416.4	.420
.4000	.9189	97.6	1894.2	21240.	171.3	186.1	1.09	3.164	132.2	418.1	.428
.4100	.9219	95.6	1908.6	20965.	174.3	189.0	1.08	3.165	132.6	419.7	.436
.4200	.9249	93.6	1923.1	20696.	177.2	191.0	1.08	3.168	133.0	421.4	.445
.4300	.9276	91.7	1937.5	20434.	180.1	193.4	1.07	3.170	133.4	422.9	.453
.4400	.9303	89.9	1951.9	20179.	183.1	195.8	1.07	3.172	133.8	424.5	.461
.4500	.9329	88.1	1966.4	19929.	186.1	197.8	1.06	3.174	134.2	426.0	.469
.4600	.9354	86.4	1980.8	19686.	189.1	200.0	1.06	3.176	134.6	427.4	.478
.4700	.9378	84.8	1995.2	19449.	192.2	202.3	1.05	3.178	134.9	428.9	.486
.4800	.9401	83.3	2009.6	19217.	195.2	204.6	1.05	3.180	135.3	430.2	.494
.4900	.9423	81.9	2024.1	18990.	198.3	206.9	1.04	3.182	135.6	431.6	.502
.5000	.9444	80.3	2038.5	18769.	201.5	209.3	1.04	3.184	136.0	432.9	.511
.5100	.9465	78.9	2052.9	18552.	204.6	211.7	1.04	3.186	136.3	434.3	.519
.5200	.9485	77.5	2067.4	18341.	207.8	214.1	1.03	3.187	136.6	435.4	.527
.5300	.9504	76.3	2081.8	18134.	210.9	216.5	1.03	3.189	137.0	436.7	.535
.5400	.9523	75.0	2096.2	17932.	214.1	219.0	1.02	3.190	137.3	437.9	.544
.5500	.9541	73.9	2110.6	17734.	217.3	221.5	1.02	3.192	137.6	439.2	.552
.5600	.9558	72.6	2125.1	17541.	220.5	224.0	1.02	3.194	137.9	440.3	.560
.5700	.9575	71.4	2139.5	17351.	223.8	226.6	1.01	3.195	138.1	441.4	.568
.5800	.9591	70.3	2153.9	17166.	227.0	229.2	1.01	3.197	138.4	442.5	.576
.5900	.9607	69.2	2168.3	16984.	230.3	231.8	1.01	3.199	138.7	443.7	.584
.6000	.9623	68.2	2182.8	16807.	233.6	234.5	1.00	3.200	139.0	444.9	.593
.6100	.9637	67.2	2197.2	16633.	236.7	237.2	1.00	3.202	139.2	445.8	.601
.6200	.9652	66.2	2211.6	16462.	240.1	240.0	1.00	3.203	139.5	446.9	.609
.6300	.9666	65.2	2226.1	16295.	243.4	242.8	1.00	3.205	139.7	447.8	.617
.6400	.9680	64.3	2240.5	16131.	246.9	245.7	.99	3.206	140.0	448.8	.625
.6500	.9693	63.4	2254.9	15971.	250.4	248.6	.99	3.207	140.2	449.7	.633
.6600	.9706	62.5	2269.3	15813.	253.9	251.5	.99	3.209	140.5	450.7	.641
.6700	.9718	61.7	2283.8	15659.	257.4	254.5	.99	3.210	140.7	451.6	.650
.6800	.9731	60.9	2298.2	15508.	261.0	257.6	.99	3.211	140.9	452.6	.658
.6900	.9742	60.0	2312.6	15359.	264.6	260.7	.99	3.213	141.1	453.4	.666
.7000	.9754	59.2	2327.1	15214.	268.2	263.8	.98	3.214	141.4	454.3	.674
.7100	.9765	58.5	2341.5	15071.	271.9	267.1	.98	3.215	141.6	455.2	.682
.7200	.9776	57.7	2355.9	14931.	275.6	270.3	.98	3.217	141.8	456.1	.690
.7300	.9787	57.0	2370.3	14793.	279.4	273.7	.98	3.218	142.0	456.9	.698
.7400	.9797	56.3	2384.8	14657.	283.2	277.1	.98	3.219	142.2	457.7	.706
.7500	.9808	55.6	2399.2	14525.	287.0	280.4	.98	3.220	142.4	458.5	.714
.7600	.9818	54.9	2413.6	14395.	290.9	284.1	.98	3.221	142.6	459.3	.722
.7700	.9827	54.3	2428.1	14266.	294.8	287.7	.98	3.222	142.8	460.1	.731
.7800	.9837	53.6	2442.5	14141.	298.8	291.4	.98	3.224	143.0	460.8	.739
.7900	.9846	53.0	2456.9	14017.	302.8	295.2	.97	3.225	143.1	461.6	.747
.8000	.9855	52.4	2471.3	13894.	306.9	299.1	.97	3.226	143.3	462.4	.755
.8100	.9864	51.8	2485.8	13776.	311.0	303.0	.97	3.227	143.5	463.0	.763
.8200	.9872	51.2	2500.2	13659.	315.1	307.0	.97	3.228	143.7	463.8	.771
.8300	.9881	50.6	2514.6	13543.	319.4	311.1	.97	3.229	143.8	464.5	.779
.8400	.9889	50.0	2529.0	13430.	323.6	315.3	.97	3.230	144.0	465.2	.787
.8500	.9897	49.5	2543.5	13318.	328.0	319.6	.97	3.231	144.2	465.8	.795
.8600	.9905	49.0	2557.9	13208.	332.4	324.0	.97	3.232	144.3	466.5	.803
.8700	.9913	48.4	2572.3	13101.	336.8	328.6	.98	3.233	144.5	467.2	.811
.8800	.9920	47.9	2586.8	12994.	341.3	333.2	.98	3.234	144.6	467.8	.819
.8900	.9928	47.4	2601.2	12890.	345.9	337.9	.98	3.235	144.8	468.5	.827
.9000	.9935	46.9	2615.6	12787.	350.6	342.7	.98	3.236	145.0	469.1	.835
.9100	.9942	46.4	2630.0	12686.	355.3	347.7	.98	3.237	145.1	469.7	.843
.9200	.9949	46.0	2644.4	12586.	360.2	352.8	.98	3.238	145.3	470.4	.851
.9300	.9956	45.5	2658.9	12488.	365.1	358.1	.98	3.239	145.4	470.9	.859
.9400	.9963	45.1	2673.3	12391.	369.9	363.5	.98	3.240	145.5	471.5	.867
.9500	.9969	44.6	2687.8	12296.	374.9	369.0	.98	3.241	145.7	472.1	.875
.9600	.9976	44.2	2702.2	12203.	380.0	374.7	.99	3.242	145.8	472.7	.883
.9700	.9982	43.8	2716.6	12110.	385.2	380.4	.99	3.243	146.0	473.3	.891
.9800	.9988	43.3	2731.0	12020.	390.4	386.4	.99	3.244	146.1	473.9	.899
.9900	.9994	42.9	2745.4	11930.	395.8	392.7	.99	3.244	146.2	474.3	.907
1.0000	1.0000	42.5	2759.9	11842.	401.3	399.0	.99	3.245	146.3	474.9	.915

TABLE 5. SATURATED CRITICAL FLOW PROPERTIES

(P0 9000 KPA (TSAT 576.46 K))

X0	A0	R0 KG/M3	H0 KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XE
0.0000	0.0000	705.3	1363.7	43438.	68.3	102.8	1.50	2.916	96.6	281.7	.092
.0100	.1274	621.6	1377.5	42854.	70.9	105.7	1.49	2.915	98.8	287.9	.100
.0200	.2278	548.7	1391.3	42210.	73.5	108.6	1.48	2.916	100.8	294.0	.108
.0300	.3089	482.5	1405.2	41491.	76.1	111.5	1.46	2.917	102.8	300.0	.117
.0400	.3749	424.5	1419.0	40690.	78.7	114.4	1.45	2.919	104.7	305.5	.125
.0500	.4321	421.6	1432.8	40220.	81.3	116.7	1.44	2.921	106.4	310.9	.134
.0600	.4799	390.2	1446.6	39540.	83.9	119.3	1.42	2.924	108.1	316.1	.143
.0700	.5211	361.5	1460.4	38963.	86.5	121.8	1.41	2.926	109.8	321.0	.151
.0800	.5560	336.9	1474.2	38303.	89.1	124.3	1.40	2.929	111.2	325.8	.160
.0900	.5894	319.0	1488.0	37533.	91.6	126.8	1.38	2.933	112.7	330.4	.169
.1000	.6163	300.7	1501.8	36884.	94.4	129.1	1.37	2.936	114.0	334.8	.177
.1100	.6411	284.4	1515.6	36249.	97.0	131.5	1.36	2.939	115.3	339.0	.186
.1200	.6634	269.7	1529.4	35628.	99.6	133.8	1.34	2.942	116.6	343.0	.195
.1300	.6835	256.5	1543.2	35022.	102.2	136.1	1.33	2.946	117.8	346.9	.203
.1400	.7018	244.6	1557.0	34430.	104.8	138.3	1.32	2.949	118.9	350.7	.212
.1500	.7184	233.7	1570.9	33853.	107.5	140.5	1.31	2.952	120.0	354.2	.221
.1600	.7336	223.7	1584.7	33292.	110.2	142.7	1.30	2.955	121.0	357.7	.229
.1700	.7479	214.5	1598.5	32745.	112.8	144.8	1.29	2.958	121.9	361.0	.238
.1800	.7604	206.1	1612.3	32214.	115.5	147.0	1.28	2.962	122.8	364.3	.246
.1900	.7722	198.3	1626.1	31696.	118.2	149.1	1.26	2.965	123.6	367.4	.255
.2000	.7833	191.1	1639.9	31193.	120.9	151.2	1.25	2.968	124.3	370.4	.263
.2100	.7935	184.4	1653.7	30704.	123.6	153.3	1.24	2.971	125.1	373.3	.272
.2200	.8030	178.2	1667.5	30228.	126.3	155.4	1.23	2.974	125.7	376.1	.280
.2300	.8120	172.4	1681.3	29765.	129.0	157.5	1.22	2.977	126.3	378.8	.289
.2400	.8203	166.8	1695.2	29312.	131.7	159.5	1.21	2.979	126.8	381.4	.297
.2500	.8281	161.6	1709.0	28877.	134.2	161.6	1.20	2.982	127.3	384.0	.306
.2600	.8355	156.8	1722.8	28451.	136.9	163.6	1.20	2.985	129.5	386.4	.314
.2700	.8424	152.2	1736.6	28037.	139.6	165.7	1.19	2.988	130.2	388.9	.322
.2800	.8490	147.9	1750.4	27633.	142.3	167.7	1.18	2.990	130.8	391.1	.331
.2900	.8552	143.9	1764.2	27241.	145.0	169.8	1.17	2.993	131.5	393.4	.339
.3000	.8610	140.0	1778.0	26858.	147.7	171.8	1.16	2.995	132.1	395.6	.347
.3100	.8666	136.4	1791.8	26486.	150.5	173.9	1.16	2.998	132.7	397.8	.356
.3200	.8718	132.9	1805.6	26123.	153.2	175.9	1.15	3.000	133.3	399.8	.364
.3300	.8768	129.6	1819.4	25770.	156.0	178.0	1.14	3.003	133.8	401.8	.372
.3400	.8816	126.5	1833.2	25426.	158.8	180.1	1.13	3.005	134.4	403.8	.380
.3500	.8862	123.5	1847.0	25090.	161.5	182.1	1.13	3.007	134.9	405.7	.389
.3600	.8905	120.7	1860.9	24763.	164.3	184.2	1.12	3.010	135.4	407.6	.397
.3700	.8946	118.0	1874.7	24444.	167.2	186.3	1.11	3.012	135.9	409.3	.405
.3800	.8986	115.4	1888.5	24133.	170.0	188.4	1.11	3.014	136.4	411.1	.413
.3900	.9024	112.9	1902.3	23830.	172.8	190.6	1.10	3.016	136.9	412.9	.421
.4000	.9060	110.5	1916.1	23533.	175.6	192.7	1.10	3.019	137.3	414.5	.430
.4100	.9095	108.2	1929.9	23244.	178.5	194.8	1.09	3.020	137.8	416.1	.438
.4200	.9128	106.0	1943.7	22962.	181.4	197.0	1.09	3.022	138.2	417.7	.446
.4300	.9160	103.9	1957.5	22686.	184.3	199.2	1.08	3.024	138.6	419.2	.454
.4400	.9191	101.9	1971.3	22417.	187.2	201.4	1.08	3.026	139.1	420.8	.462
.4500	.9220	100.0	1985.1	22154.	190.1	203.6	1.07	3.028	139.5	422.2	.470
.4600	.9249	98.1	1998.9	21896.	193.0	205.8	1.07	3.030	139.9	423.7	.478
.4700	.9276	96.3	2012.7	21645.	196.0	208.1	1.06	3.032	140.2	425.2	.487
.4800	.9303	94.6	2026.5	21399.	199.0	210.4	1.06	3.033	140.6	426.5	.495
.4900	.9328	92.9	2040.4	21159.	201.9	212.7	1.05	3.035	141.0	427.8	.503
.5000	.9353	91.3	2054.2	20924.	204.9	215.0	1.05	3.037	141.3	429.2	.511
.5100	.9377	89.7	2068.0	20694.	208.0	217.3	1.05	3.039	141.7	430.5	.519
.5200	.9400	88.2	2081.8	20468.	211.0	219.7	1.04	3.040	142.0	431.8	.527
.5300	.9422	86.7	2095.6	20248.	214.1	222.1	1.04	3.042	142.3	433.0	.535
.5400	.9443	85.3	2109.5	20031.	217.2	224.5	1.03	3.043	142.7	434.2	.543
.5500	.9464	84.0	2123.3	19821.	220.3	227.0	1.03	3.045	143.0	435.4	.551
.5600	.9484	82.6	2137.0	19614.	223.4	229.5	1.03	3.047	143.3	436.6	.559
.5700	.9504	81.4	2150.8	19412.	226.6	232.0	1.02	3.048	143.6	437.7	.567
.5800	.9523	80.1	2164.6	19213.	229.7	234.6	1.02	3.050	143.9	438.8	.575
.5900	.9541	78.9	2178.4	19018.	232.9	237.2	1.02	3.051	144.2	439.9	.583
.6000	.9559	77.7	2192.3	18828.	236.2	239.8	1.02	3.053	144.5	441.0	.591
.6100	.9576	76.5	2206.1	18641.	239.4	242.5	1.01	3.054	144.7	442.0	.599
.6200	.9593	75.5	2219.9	18457.	242.7	245.2	1.01	3.055	145.0	443.1	.607
.6300	.9610	74.4	2233.7	18278.	246.0	247.9	1.01	3.057	145.3	444.1	.615
.6400	.9626	73.4	2247.5	18101.	249.3	250.7	1.01	3.059	145.5	445.1	.623
.6500	.9641	72.4	2261.3	17928.	252.7	253.5	1.00	3.060	145.8	446.1	.631
.6600	.9656	71.4	2275.1	17758.	256.0	256.4	1.00	3.061	146.1	447.0	.639
.6700	.9670	70.4	2288.9	17592.	259.4	259.3	1.00	3.063	146.3	448.0	.647
.6800	.9685	69.5	2302.7	17428.	262.9	262.2	1.00	3.063	146.6	448.9	.655
.6900	.9699	68.6	2316.5	17268.	266.4	265.2	1.00	3.065	146.8	449.8	.663
.7000	.9712	67.7	2330.3	17110.	269.9	268.3	.99	3.066	147.0	450.7	.671
.7100	.9725	66.8	2344.1	16955.	273.4	271.4	.99	3.067	147.2	451.5	.679
.7200	.9738	66.0	2358.0	16803.	277.0	274.6	.99	3.068	147.4	452.4	.687
.7300	.9751	65.2	2371.8	16654.	280.6	277.8	.99	3.070	147.7	453.3	.695
.7400	.9763	64.4	2385.6	16507.	284.3	281.1	.99	3.071	147.9	454.1	.703
.7500	.9775	63.6	2399.4	16363.	287.9	284.4	.99	3.072	148.1	454.9	.711
.7600	.9786	62.8	2413.2	16221.	291.7	287.8	.99	3.073	148.3	455.7	.719
.7700	.9798	62.1	2427.0	16081.	295.4	291.2	.99	3.074	148.5	456.5	.727
.7800	.9809	61.4	2440.9	15945.	299.2	294.6	.99	3.075	148.7	457.3	.734
.7900	.9819	60.6	2454.6	15810.	303.1	298.4	.98	3.075	148.9	458.1	.742
.8000	.9830	60.0	2468.4	15678.	306.9	302.1	.98	3.077	149.1	458.9	.750
.8100	.9840	59.3	2482.2	15548.	310.9	305.8	.98	3.079	149.3	459.6	.758
.8200	.9850	58.6	2496.0	15420.	314.8	309.7	.98	3.079	149.5	460.3	.766
.8300	.9860	58.0	2509.9	15294.	318.8	313.5	.98	3.080	149.7	461.0	.774
.8400	.9870	57.3	2523.7	15170.	322.9	317.5	.98	3.082	149.8	461.7	.782
.8500	.9879	56.7	2537.5	15048.	327.1	321.6	.98	3.082	150.0	462.4	.790
.8600	.9889	56.1	2551.3	14929.	331.2	325.7	.98	3.083	150.2	463.0	.798
.8700	.9898	55.5	2565.1	14810.	335.4	330.0	.98	3.084	150.4	463.8	.805
.8800	.9907	54.9	2578.9	14693.	339.7	334.3	.98	3.085	150.6	464.4	.813
.8900	.9915	54.4	2592.7	14579.	344.1	338.7	.98	3.086	150.7	465.0	.821
.9000	.9924	53.8	2606.5	14466.	348.4	343.3	.99	3.087	150.8	465.7	.829
.9100	.9932	53.3	2620.3	14355.	352.9	347.7	.99	3.088	151.0	466.4	.837
.9200	.9940	52.7	2634.1	14246.	357.4	352.6	.99	3.089	151.2	467.0	.845
.9300	.9948	52.2	2647.9	14138.	362.0	357.2	.99	3.090	151.3	467.6	.853
.9400	.9956	51.7	2661.7	14032.	366.6	361.9	.99	3.091	151.5	468.3	.861
.9500	.9964	51.2	2675.5	13929.	371.3	366.6	.99	3.092	151.6	468.8	.869
.9600	.9971	50.7	2689.4	13825.	376.1	372.8	.99	3.093	151.8	469.4	.876
.9700	.9979	50.2	2703.2	13723.	381.0	378.2	.99	3.093	151.9	469.9	.884
.9800	.9986	49.7	2717.0	13624.	385.9	383.7	.99	3.094	152.1	470.5	.892
.9900	.9993	49.2	2730.8	13528.	390.9	389.4	1.00	3.095	152.2	471.1	.900
1.0000	1.0000	48.8	2744.6	13429.	396.0	395.2	1.00	3.096	152.4	471.7	.904

TABLE 5. SATURATED CRITICAL FLOW PROPERTIES

(PO 10000 KPA (TSAT 584.11 K))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AME M/S	VAVG F/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	688.4	1408.0	45482.	74.7	109.4	1.47	2.797	102.4	286.4	.100
.0100	.1115	617.9	1421.2	44900.	77.2	112.2	1.45	2.797	104.4	292.1	.108
.0200	.2068	560.4	1434.4	44283.	79.9	115.0	1.44	2.798	106.4	298.0	.116
.0300	.2910	515.9	1447.6	43653.	82.5	117.9	1.43	2.799	108.5	303.8	.123
.0400	.3670	477.6	1460.8	43006.	84.8	120.8	1.41	2.800	109.9	307.9	.133
.0500	.3953	430.2	1474.0	42354.	87.3	122.8	1.41	2.802	111.6	312.8	.142
.0600	.4422	405.5	1487.2	41700.	89.9	125.3	1.39	2.805	113.2	317.5	.150
.0700	.4832	382.6	1500.4	41050.	91.4	127.8	1.38	2.807	114.7	322.1	.159
.0800	.5192	359.9	1513.6	40405.	95.0	130.2	1.37	2.810	116.7	326.4	.167
.0900	.5512	339.5	1526.8	39769.	97.5	132.6	1.36	2.813	117.6	330.9	.176
.1000	.5798	321.4	1540.0	39143.	100.1	134.9	1.35	2.815	118.9	334.7	.184
.1100	.6055	305.1	1553.2	38527.	102.7	137.2	1.34	2.818	120.1	338.6	.193
.1200	.6288	290.4	1566.4	37923.	105.2	139.5	1.33	2.821	121.4	342.4	.201
.1300	.6498	277.1	1579.6	37332.	107.8	141.7	1.31	2.824	122.5	346.0	.210
.1400	.6691	264.9	1592.8	36754.	110.4	143.9	1.30	2.827	123.6	349.5	.218
.1500	.6867	253.8	1606.0	36189.	113.0	146.1	1.29	2.830	124.7	352.9	.226
.1600	.7029	243.5	1619.2	35637.	115.6	148.2	1.28	2.833	125.7	356.1	.235
.1700	.7178	234.0	1632.4	35098.	118.2	150.4	1.27	2.836	126.7	359.3	.243
.1800	.7316	224.9	1645.6	34572.	120.9	152.5	1.26	2.838	127.7	362.3	.252
.1900	.7445	217.2	1658.8	34059.	123.5	154.6	1.24	2.841	128.6	365.3	.260
.2000	.7564	209.6	1672.0	33559.	126.2	156.7	1.24	2.844	129.4	368.2	.268
.2100	.7675	202.6	1685.2	33071.	128.8	158.8	1.24	2.847	130.3	370.9	.277
.2200	.7779	196.0	1698.4	32596.	131.5	160.8	1.23	2.849	131.0	373.6	.285
.2300	.7877	189.8	1711.6	32132.	134.2	162.9	1.22	2.852	131.8	376.2	.293
.2400	.7968	184.0	1724.8	31680.	136.9	164.9	1.21	2.855	132.7	378.7	.301
.2500	.8055	178.6	1738.0	31240.	139.6	167.0	1.20	2.857	133.4	381.2	.310
.2600	.8136	173.4	1751.2	30810.	141.7	169.0	1.19	2.860	134.1	383.5	.318
.2700	.8212	168.6	1764.4	30391.	144.3	171.0	1.19	2.862	134.8	385.9	.326
.2800	.8285	164.0	1777.6	29982.	147.0	173.0	1.18	2.864	135.5	388.1	.334
.2900	.8355	159.7	1790.8	29584.	149.6	175.0	1.17	2.867	136.1	390.3	.342
.3000	.8418	155.5	1803.9	29195.	152.3	177.2	1.16	2.869	136.8	392.4	.350
.3100	.8480	151.6	1817.1	28816.	155.0	179.3	1.16	2.872	137.4	394.5	.359
.3200	.8539	147.9	1830.3	28445.	157.7	181.3	1.15	2.874	138.0	396.4	.367
.3300	.8594	144.4	1843.5	28084.	160.4	183.4	1.14	2.876	138.5	398.4	.375
.3400	.8648	141.0	1856.7	27731.	163.1	185.4	1.14	2.878	139.1	400.3	.383
.3500	.8699	137.8	1869.9	27387.	165.8	187.5	1.13	2.880	139.6	402.1	.391
.3600	.8748	134.7	1883.1	27050.	168.5	189.6	1.12	2.882	140.2	[illegible]	.399
.3700	.8794	131.7	1896.3	26721.	171.3	191.7	1.12	2.884	140.7	[illegible]	.407
.3800	.8838	128.9	1909.5	26401.	174.0	193.8	1.11	2.886	141.2	407.4	.415
.3900	.8882	126.2	1922.7	26087.	176.8	195.9	1.10	2.888	141.7	409.2	.423
.4000	.8922	123.6	1935.9	25780.	179.6	198.0	1.10	2.890	142.1	410.8	.431
.4100	.8962	121.2	1949.1	25481.	182.4	200.1	1.10	2.892	142.6	412.4	.439
.4200	.8999	118.8	1962.3	25189.	185.2	202.2	1.09	2.894	143.0	414.0	.447
.4300	.9036	116.5	1975.5	24901.	188.0	204.4	1.09	2.896	143.5	415.5	.455
.4400	.9071	114.3	1988.7	24621.	190.8	206.5	1.08	2.898	143.9	417.0	.463
.4500	.9104	112.1	2001.9	24346.	193.6	208.8	1.08	2.900	144.3	418.5	.471
.4600	.9136	110.1	2015.1	24078.	196.5	211.0	1.07	2.901	144.7	419.9	.479
.4700	.9168	108.1	2028.3	23815.	199.4	213.2	1.07	2.903	145.1	421.3	.487
.4800	.9198	106.2	2041.5	23558.	202.3	215.4	1.07	2.905	145.5	422.6	.495
.4900	.9227	104.4	2054.7	23306.	205.2	217.7	1.06	2.906	145.9	424.0	.503
.5000	.9255	102.6	2067.9	23060.	208.1	220.0	1.06	2.909	146.2	425.3	.511
.5100	.9282	100.9	2081.1	22818.	211.0	222.3	1.05	2.910	146.6	426.6	.519
.5200	.9308	99.2	2094.3	22582.	214.0	224.6	1.05	2.911	147.0	427.9	.527
.5300	.9334	97.6	2107.5	22350.	217.0	227.0	1.05	2.913	147.3	429.1	.535
.5400	.9358	96.1	2120.7	22123.	220.0	229.4	1.04	2.914	147.6	430.3	.542
.5500	.9382	94.6	2133.9	21900.	223.0	231.8	1.04	2.916	148.0	431.5	.550
.5600	.9405	93.1	2147.1	21681.	226.0	234.2	1.04	2.917	148.3	432.6	.558
.5700	.9427	91.7	2160.3	21467.	229.1	236.7	1.03	2.919	148.6	433.8	.566
.5800	.9449	90.3	2173.5	21257.	232.1	239.2	1.03	2.920	148.9	434.9	.574
.5900	.9470	89.0	2186.7	21051.	235.2	241.7	1.03	2.922	149.2	436.0	.582
.6000	.9491	87.7	2199.9	20849.	238.4	244.3	1.02	2.923	149.5	437.0	.590
.6100	.9510	86.4	2213.1	20651.	241.5	246.9	1.02	2.924	149.8	438.1	.597
.6200	.9530	85.2	2226.3	20456.	244.7	249.5	1.02	2.926	150.1	439.1	.605
.6300	.9548	84.0	2239.5	20265.	247.8	252.2	1.02	2.927	150.4	440.2	.613
.6400	.9567	82.9	2252.7	20078.	251.1	254.8	1.01	2.928	150.6	441.1	.621
.6500	.9584	81.7	2265.9	19894.	254.3	257.6	1.01	2.930	150.9	442.1	.629
.6600	.9602	80.6	2279.0	19713.	257.6	260.4	1.01	2.931	151.2	443.1	.637
.6700	.9619	79.4	2292.2	19535.	260.8	263.2	1.01	2.933	151.4	444.1	.644
.6800	.9635	78.3	2305.4	19361.	264.2	266.0	1.01	2.934	151.7	445.0	.652
.6900	.9651	77.3	2318.6	19190.	267.5	268.9	1.01	2.935	151.9	445.9	.660
.7000	.9666	76.3	2331.8	19021.	270.9	271.9	1.00	2.936	152.2	446.8	.668
.7100	.9682	75.3	2345.0	18856.	274.3	274.9	1.00	2.937	152.4	447.7	.676
.7200	.9696	74.3	2358.2	18693.	277.7	278.0	1.00	2.938	152.7	448.6	.683
.7300	.9711	73.3	2371.4	18533.	281.2	281.0	1.00	2.939	152.9	449.4	.691
.7400	.9725	72.4	2384.6	18376.	284.7	284.2	1.00	2.940	153.1	450.2	.699
.7500	.9739	72.0	2397.8	18221.	288.2	287.4	1.00	2.942	153.3	451.0	.707
.7600	.9752	71.1	2411.0	18069.	291.8	290.6	1.00	2.943	153.6	451.9	.714
.7700	.9765	70.3	2424.2	17920.	295.4	293.9	1.00	2.944	153.8	452.7	.722
.7800	.9778	69.5	2437.4	17773.	299.0	297.3	.99	2.945	154.0	453.5	.730
.7900	.9790	68.7	2450.6	17628.	302.6	300.7	.99	2.946	154.2	454.2	.739
.8000	.9803	67.9	2463.8	17486.	306.4	304.2	.99	2.947	154.4	455.0	.745
.8100	.9815	67.2	2477.0	17345.	310.1	307.7	.99	2.948	154.6	455.7	.753
.8200	.9826	66.4	2490.2	17207.	313.9	311.3	.99	2.949	154.8	456.5	.761
.8300	.9838	65.7	2503.4	17072.	317.7	315.0	.99	2.950	155.0	457.2	.769
.8400	.9849	65.0	2516.6	16938.	321.6	318.8	.99	2.951	155.2	457.9	.775
.8500	.9860	64.3	2529.8	16807.	325.5	322.6	.99	2.952	155.4	458.6	.784
.8600	.9871	63.6	2543.0	16677.	329.4	326.5	.99	2.953	155.6	459.3	.792
.8700	.9881	63.0	2556.2	16549.	333.4	330.5	.99	2.954	155.7	460.0	.798
.8800	.9891	62.3	2569.4	16424.	337.5	334.6	.99	2.955	155.9	460.7	.807
.8900	.9901	61.7	2582.6	16300.	341.6	338.7	.99	2.956	156.1	461.3	.815
.9000	.9911	61.0	2595.8	16178.	345.7	343.0	.99	2.957	156.3	462.0	.823
.9100	.9921	60.4	2609.0	16058.	349.9	347.3	.99	2.958	156.4	462.7	.830
.9200	.9930	59.8	2622.2	15940.	354.1	351.7	.99	2.958	156.6	463.3	.838
.9300	.9940	59.2	2635.4	15823.	358.4	356.2	.99	2.959	156.8	463.9	.846
.9400	.9949	58.7	2648.5	15708.	362.8	360.8	.99	2.960	156.9	464.6	.853
.9500	.9958	58.1	2661.7	15594.	367.2	365.5	1.00	2.961	157.1	465.2	.861
.9600	.9967	57.5	2674.9	15483.	371.7	370.4	1.00	2.962	157.3	465.8	.869
.9700	.9976	57.0	2688.1	15373.	376.2	375.3	1.00	2.963	157.4	466.4	.876
.9800	.9984	56.5	2701.3	15264.	380.8	380.4	1.00	2.964	157.6	466.9	.884
.9900	.9992	55.9	2714.5	15157.	385.5	385.6	1.00	2.964	157.7	467.5	.892
1.0000	1.0000	55.4	2727.7	15052.	390.2	390.8	1.00	2.965	157.9	468.1	.899

TABLE . SATURATED CRITICAL FLOW PROPERTIES

(P0 11000 KPA (TSAT 591.20 K))

X0	A0	R0 KG/M3	H0 KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	671.7	1450.6	47360.	81.0	116.0	1.43	2.691	108.1	290.8	.109
.0100	.0980	612.0	1463.2	46785.	83.5	118.7	1.42	2.691	109.9	295.9	.117
.0200	.1909	565.1	1475.9	46185.	85.8	121.3	1.41	2.692	111.7	300.8	.125
.0300	.2805	519.3	1488.8	45575.	88.4	124.0	1.40	2.693	113.4	304.6	.133
.0400	.3694	481.2	1500.9	44954.	90.9	126.3	1.39	2.695	115.1	310.2	.141
.0500	.3614	451.6	1513.5	44379.	93.4	128.8	1.38	2.697	116.9	314.6	.150
.0600	.4070	423.8	1526.1	43703.	95.8	131.2	1.37	2.699	118.7	319.0	.158
.0700	.4475	400.5	1538.3	43080.	98.3	133.5	1.36	2.701	119.6	323.1	.166
.0800	.4834	377.7	1551.3	42441.	100.8	136.0	1.35	2.702	121.3	327.4	.174
.0900	.5154	357.7	1563.9	41851.	103.3	138.3	1.34	2.705	123.0	331.9	.183
.1000	.5443	340.1	1576.4	41248.	105.8	140.6	1.33	2.708	123.6	334.9	.191
.1100	.5706	324.1	1589.0	40636.	108.3	142.8	1.32	2.711	124.8	338.3	.200
.1200	.5945	309.4	1601.6	40071.	110.8	145.0	1.31	2.714	126.0	341.6	.208
.1300	.6164	296.1	1614.2	39498.	113.3	147.2	1.30	2.717	127.2	345.2	.216
.1400	.6364	284.0	1626.8	38937.	115.8	149.4	1.29	2.719	128.3	348.5	.224
.1500	.6549	273.8	1639.4	38387.	118.3	151.5	1.28	2.721	129.2	351.6	.232
.1600	.6719	263.4	1652.0	37844.	120.9	153.6	1.27	2.724	130.2	354.7	.241
.1700	.6877	254.7	1664.6	37311.	123.4	155.6	1.26	2.726	131.0	357.6	.249
.1800	.7024	246.8	1677.4	36805.	125.9	157.6	1.25	2.730	132.1	360.8	.257
.1900	.7161	238.5	1689.7	36300.	128.4	159.6	1.24	2.731	133.0	363.3	.265
.2000	.7288	229.7	1702.3	35807.	131.0	161.9	1.24	2.734	133.9	366.0	.273
.2100	.7408	220.4	1714.9	35328.	133.5	164.0	1.23	2.736	134.7	368.9	.281
.2200	.7520	213.6	1727.5	34844.	136.1	166.1	1.22	2.739	135.5	371.9	.290
.2300	.7626	207.1	1740.1	34395.	138.6	168.1	1.21	2.741	136.3	374.5	.298
.2400	.7725	201.1	1752.7	33945.	141.2	170.1	1.20	2.744	137.1	376.1	.306
.2500	.7818	194.4	1765.3	33506.	143.7	172.2	1.20	2.746	137.8	379.4	.314
.2600	.7907	190.0	1777.8	33076.	146.3	174.2	1.19	2.748	138.5	380.7	.322
.2700	.7991	184.0	1790.4	32657.	148.9	176.2	1.18	2.750	139.2	382.9	.330
.2800	.8070	180.1	1803.0	32247.	151.5	178.2	1.18	2.753	139.9	385.0	.338
.2900	.8145	175.8	1815.6	31846.	154.1	180.2	1.17	2.755	140.5	387.1	.346
.3000	.8217	171.1	1828.2	31455.	156.7	182.2	1.16	2.757	141.1	389.1	.354
.3100	.8285	167.0	1840.8	31072.	159.3	184.3	1.16	2.759	141.8	391.1	.362
.3200	.8350	163.0	1853.4	30698.	161.9	186.3	1.15	2.761	142.4	393.1	.370
.3300	.8412	159.3	1866.0	30332.	164.5	188.3	1.14	2.763	142.9	395.0	.378
.3400	.8471	155.7	1878.6	29974.	167.1	190.4	1.14	2.765	143.5	396.8	.385
.3500	.8527	152.2	1891.1	29624.	169.8	192.4	1.13	2.767	144.0	398.6	.393
.3600	.8581	148.9	1903.7	29282.	172.4	194.5	1.13	2.769	144.6	400.4	.401
.3700	.8633	145.9	1916.3	28947.	175.1	196.5	1.12	2.771	145.1	402.1	.409
.3800	.8682	142.9	1928.9	28619.	177.8	198.6	1.12	2.773	145.6	403.8	.417
.3900	.8730	139.8	1941.5	28299.	180.5	200.7	1.11	2.775	146.1	405.5	.425
.4000	.8776	137.1	1954.1	27985.	183.2	202.7	1.11	2.777	146.6	407.0	.433
.4100	.8820	134.4	1966.7	27677.	185.9	204.9	1.10	2.779	147.1	408.6	.441
.4200	.8863	131.8	1979.2	27377.	188.6	206.9	1.10	2.780	147.6	410.1	.448
.4300	.8903	129.3	1991.8	27082.	191.3	209.1	1.09	2.782	148.0	411.7	.456
.4400	.8943	127.0	2004.4	26793.	194.1	211.2	1.09	2.784	148.4	413.2	.464
.4500	.8979	124.7	2017.0	26511.	196.8	213.4	1.08	2.785	148.8	414.5	.472
.4600	.9014	122.4	2029.6	26234.	199.6	215.5	1.08	2.787	149.2	416.0	.480
.4700	.9048	120.2	2042.2	25962.	202.4	217.7	1.08	2.789	149.5	417.4	.487
.4800	.9081	118.2	2054.8	25696.	205.2	219.9	1.07	2.790	150.1	418.7	.495
.4900	.9113	116.3	2067.4	25435.	208.0	222.2	1.07	2.793	150.4	420.0	.503
.5000	.9140	114.3	2079.9	25180.	210.8	224.4	1.06	2.794	150.8	421.3	.511
.5100	.9180	112.5	2092.5	24929.	213.7	226.7	1.06	2.795	151.2	422.6	.518
.5200	.9209	110.6	2105.1	24683.	216.5	228.9	1.06	2.796	151.5	423.8	.526
.5300	.9238	108.9	2117.7	24442.	219.4	231.2	1.05	2.798	151.9	424.0	.534
.5400	.9266	107.2	2130.3	24205.	222.3	233.5	1.05	2.799	152.3	426.2	.542
.5500	.9293	105.6	2142.9	23973.	225.2	235.9	1.05	2.801	152.6	427.4	.549
.5600	.9319	104.0	2155.5	23745.	228.2	238.3	1.04	2.802	152.9	428.5	.557
.5700	.9344	102.4	2168.1	23521.	231.1	240.7	1.04	2.804	153.3	429.7	.565
.5800	.9369	100.9	2180.6	23302.	234.1	243.2	1.04	2.805	153.6	430.8	.572
.5900	.9393	99.5	2193.2	23086.	237.0	245.6	1.04	2.805	153.9	431.9	.580
.6000	.9416	98.0	2205.8	22875.	240.1	248.1	1.03	2.808	154.2	433.0	.588
.6100	.9439	96.7	2218.4	22667.	243.1	250.6	1.03	2.809	154.5	434.0	.595
.6200	.9461	95.3	2231.0	22462.	246.1	253.2	1.03	2.810	154.8	435.1	.603
.6300	.9483	94.0	2243.6	22262.	249.2	255.7	1.03	2.811	155.1	436.1	.611
.6400	.9503	92.8	2256.2	22065.	252.3	258.3	1.02	2.813	155.4	437.1	.619
.6500	.9523	91.5	2268.9	21871.	255.4	261.0	1.02	2.814	155.6	438.0	.626
.6600	.9543	90.3	2281.5	21680.	258.5	263.7	1.02	2.815	155.9	439.0	.634
.6700	.9562	89.2	2294.1	21493.	261.7	266.4	1.02	2.817	156.2	440.0	.641
.6800	.9581	88.0	2306.7	21309.	264.9	269.1	1.02	2.818	156.5	440.8	.649
.6900	.9599	86.9	2319.3	21128.	268.1	271.9	1.01	2.819	156.7	441.8	.657
.7000	.9617	85.8	2331.9	20950.	271.3	274.8	1.01	2.820	157.0	442.7	.664
.7100	.9634	84.8	2344.5	20775.	274.6	277.6	1.01	2.821	157.2	443.5	.672
.7200	.9651	83.7	2357.0	20603.	277.8	280.5	1.01	2.822	157.5	444.4	.679
.7300	.9667	82.7	2369.6	20434.	281.2	283.5	1.01	2.823	157.7	445.3	.687
.7400	.9684	81.8	2382.2	20267.	284.5	286.5	1.01	2.825	158.0	446.2	.695
.7500	.9699	80.8	2394.8	20104.	287.9	289.5	1.01	2.826	158.2	447.0	.702
.7600	.9715	79.9	2407.2	19943.	291.3	292.6	1.00	2.827	158.4	447.8	.710
.7700	.9730	78.9	2419.8	19783.	294.7	295.8	1.00	2.828	158.6	448.6	.717
.7800	.9744	78.0	2432.4	19627.	298.2	299.0	1.00	2.829	158.9	449.4	.725
.7900	.9759	77.1	2444.9	19473.	301.6	302.3	1.00	2.830	159.1	450.2	.732
.8000	.9773	76.3	2457.6	19322.	305.2	305.5	1.00	2.831	159.3	450.9	.740
.8100	.9786	75.5	2470.1	19173.	308.7	308.9	1.00	2.832	159.5	451.7	.748
.8200	.9800	74.7	2482.7	19026.	312.3	312.3	1.00	2.833	159.7	452.4	.755
.8300	.9813	73.9	2495.3	18882.	315.9	315.8	1.00	2.834	159.9	453.2	.763
.8400	.9826	73.1	2507.9	18739.	319.6	319.3	1.00	2.835	160.1	453.9	.770
.8500	.9839	72.3	2520.5	18598.	323.3	322.8	1.00	2.836	160.3	454.6	.778
.8600	.9851	71.5	2533.1	18460.	327.0	326.5	1.00	2.836	160.5	455.3	.785
.8700	.9863	70.8	2545.7	18323.	330.8	330.3	1.00	2.837	160.7	456.0	.793
.8800	.9875	70.1	2558.3	18189.	334.6	334.1	1.00	2.838	160.9	456.6	.800
.8900	.9886	69.4	2570.8	18057.	338.5	338.0	1.00	2.839	161.1	457.4	.808
.9000	.9898	68.7	2583.4	17927.	342.4	341.9	1.00	2.840	161.3	458.0	.815
.9100	.9909	68.0	2596.0	17798.	346.3	345.9	1.00	2.841	161.4	458.7	.823
.9200	.9920	67.4	2608.6	17671.	350.3	349.9	1.00	2.843	161.6	459.3	.830
.9300	.9930	66.7	2621.2	17546.	354.4	354.0	1.00	2.843	161.8	459.9	.838
.9400	.9941	66.1	2633.8	17423.	358.5	358.0	1.00	2.844	162.0	460.5	.846
.9500	.9951	65.4	2646.4	17301.	362.6	362.2	1.00	2.844	162.1	461.2	.853
.9600	.9961	64.8	2659.0	17182.	366.8	367.3	1.00	2.845	162.3	461.8	.861
.9700	.9971	64.2	2671.6	17063.	371.0	371.8	1.00	2.846	162.5	462.4	.868
.9800	.9981	63.5	2684.1	16947.	375.3	376.5	1.00	2.847	162.6	463.0	.876
.9900	.9991	63.0	2696.7	16832.	379.6	381.2	1.00	2.848	162.8	463.6	.883
1.0000	1.0000	62.5	2709.3	16719.	384.0	386.0	1.01	2.848	162.9	464.1	.891

TABLE 5. SATURATED CRITICAL FLOW PROPERTIES

(PO 12000 KPA (TSAT 597.80 K))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AME M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	655.0	1491.8	49084.	87.5	122.5	1.40	2.596	113.6	295.0	.118
.0100	.0863	604.5	1503.7	48321.	89.8	125.1	1.39	2.596	115.4	299.5	.126
.0200	.1603	561.5	1515.7	47642.	92.2	127.6	1.39	2.597	117.0	303.9	.134
.0300	.2244	523.7	1527.7	47033.	94.6	130.0	1.37	2.598	118.6	308.2	.142
.0400	.2805	490.9	1539.7	46787.	97.0	132.4	1.36	2.600	120.2	312.4	.150
.0500	.3299	462.0	1551.6	46159.	99.4	134.8	1.36	2.602	121.8	316.4	.159
.0600	.3739	436.3	1563.6	45582.	101.8	137.1	1.35	2.603	123.0	320.3	.166
.0700	.4132	413.3	1575.6	44967.	104.2	139.4	1.34	2.605	124.4	324.1	.174
.0800	.4486	392.6	1587.6	44376.	106.5	141.7	1.33	2.608	125.7	327.8	.183
.0900	.4806	373.9	1599.5	43792.	109.1	143.9	1.32	2.610	127.0	331.3	.191
.1000	.5097	356.8	1611.5	43214.	111.6	146.1	1.31	2.612	128.2	334.8	.199
.1100	.5362	341.3	1623.5	42645.	113.9	148.3	1.30	2.614	129.3	338.1	.207
.1200	.5606	327.1	1635.5	42084.	116.3	150.4	1.29	2.616	130.5	341.3	.215
.1300	.5830	314.0	1647.4	41533.	118.6	152.5	1.29	2.619	131.6	344.4	.223
.1400	.6036	302.0	1659.4	40991.	121.2	154.7	1.28	2.621	132.7	347.5	.231
.1500	.6228	290.7	1671.4	40458.	123.7	156.8	1.27	2.623	133.8	350.4	.239
.1600	.6405	280.3	1683.4	39936.	126.1	158.8	1.26	2.626	134.8	353.3	.247
.1700	.6571	270.6	1695.3	39424.	128.4	160.9	1.25	2.628	135.9	356.1	.255
.1800	.6725	261.6	1707.3	38921.	131.0	162.9	1.24	2.630	136.9	358.8	.263
.1900	.6870	253.1	1719.3	38429.	133.4	164.9	1.24	2.633	137.8	361.4	.271
.2000	.7005	245.2	1731.2	37947.	135.9	167.0	1.23	2.635	138.8	363.9	.279
.2100	.7132	237.8	1743.2	37475.	138.4	169.0	1.22	2.637	139.8	366.4	.287
.2200	.7253	230.8	1755.2	37012.	140.8	171.0	1.21	2.639	140.7	368.7	.295
.2300	.7368	224.2	1767.2	36559.	143.3	173.0	1.21	2.641	141.6	371.1	.302
.2400	.7478	217.9	1779.1	36116.	145.8	174.9	1.20	2.644	142.5	373.4	.310
.2500	.7582	211.9	1791.1	35682.	148.3	177.0	1.19	2.646	143.4	375.6	.319
.2600	.7682	206.3	1803.1	35257.	150.8	178.9	1.19	2.648	144.2	377.8	.326
.2700	.7778	201.0	1815.0	34840.	153.3	180.9	1.18	2.650	145.0	379.9	.334
.2800	.7869	195.9	1827.0	34433.	155.8	182.8	1.17	2.652	145.9	382.0	.342
.2900	.7956	191.0	1839.0	34034.	158.3	184.8	1.17	2.654	146.7	384.0	.350
.3000	.8040	186.4	1851.0	33643.	160.8	186.8	1.16	2.656	147.5	385.9	.357
.3100	.8078	182.4	1863.0	33261.	163.3	188.8	1.16	2.658	148.3	387.8	.365
.3200	.8149	178.5	1874.9	32885.	165.9	190.9	1.15	2.660	149.1	389.7	.373
.3300	.8217	174.5	1886.9	32519.	168.4	192.8	1.15	2.662	149.9	391.6	.381
.3400	.8282	170.5	1898.9	32160.	171.0	194.8	1.14	2.664	150.7	393.4	.388
.3500	.8344	166.9	1910.9	31808.	173.5	196.8	1.14	2.665	151.5	395.1	.396
.3600	.8403	163.4	1922.8	31463.	176.1	198.8	1.13	2.667	152.3	396.8	.404
.3700	.8460	160.1	1934.8	31125.	178.7	200.8	1.12	2.669	153.1	398.4	.411
.3800	.8515	156.9	1946.8	30794.	181.3	202.8	1.12	2.671	153.8	400.1	.419
.3900	.8568	153.8	1958.8	30469.	183.8	204.8	1.11	2.673	154.6	401.7	.427
.4000	.8618	150.8	1970.7	30151.	186.5	206.8	1.11	2.674	155.3	403.3	.434
.4100	.8667	148.0	1982.7	29839.	189.1	208.8	1.11	2.676	156.1	404.8	.442
.4200	.8714	145.3	1994.7	29533.	191.7	210.8	1.10	2.678	156.8	406.4	.450
.4300	.8759	142.6	2006.6	29233.	194.3	212.8	1.10	2.679	157.5	407.8	.457
.4400	.8802	140.1	2018.6	28939.	197.0	214.8	1.09	2.681	158.2	409.1	.465
.4500	.8844	137.6	2030.6	28651.	199.7	216.8	1.09	2.683	158.9	410.6	.473
.4600	.8885	135.2	2042.6	28368.	202.3	218.8	1.09	2.684	159.6	412.0	.480
.4700	.8924	132.9	2054.5	28090.	205.0	220.8	1.08	2.686	160.3	413.3	.488
.4800	.8962	130.7	2066.5	27817.	207.7	222.8	1.08	2.687	161.0	414.6	.495
.4900	.8999	128.6	2078.5	27548.	210.4	224.8	1.07	2.689	161.6	415.9	.503
.5000	.9034	126.5	2090.5	27287.	213.2	226.8	1.07	2.690	162.3	417.2	.510
.5100	.9069	124.5	2102.4	27030.	215.9	230.5	1.07	2.692	162.9	418.5	.518
.5200	.9102	122.5	2114.4	26777.	218.7	233.7	1.06	2.693	163.6	419.8	.525
.5300	.9134	120.7	2126.4	26528.	221.4	236.9	1.06	2.695	164.2	420.9	.533
.5400	.9165	118.8	2138.3	26284.	224.2	240.2	1.06	2.696	164.8	422.1	.541
.5500	.9196	117.1	2150.3	26045.	227.0	243.5	1.05	2.697	165.4	423.2	.548
.5600	.9225	115.3	2162.3	25809.	229.9	246.8	1.05	2.699	166.0	424.3	.556
.5700	.9254	113.7	2174.3	25578.	232.8	250.1	1.05	2.700	166.6	425.4	.563
.5800	.9282	112.0	2186.3	25350.	235.7	253.5	1.04	2.701	167.1	426.5	.571
.5900	.9309	110.5	2198.2	25127.	238.6	256.9	1.04	2.703	167.7	427.5	.579
.6000	.9335	108.9	2210.2	24907.	241.3	251.3	1.04	2.704	168.2	428.7	.586
.6100	.9360	107.4	2222.2	24692.	244.2	263.7	1.04	2.705	168.8	429.8	.593
.6200	.9385	106.0	2234.2	24479.	247.1	267.2	1.04	2.706	169.3	430.8	.601
.6300	.9409	104.5	2246.2	24271.	250.1	270.7	1.03	2.708	169.8	431.8	.608
.6400	.9433	103.2	2258.1	24065.	253.0	274.3	1.03	2.709	170.3	432.7	.615
.6500	.9456	101.9	2270.1	23864.	256.0	277.9	1.03	2.710	170.8	433.7	.623
.6600	.9478	100.5	2282.0	23665.	259.0	281.5	1.03	2.711	171.3	434.7	.630
.6700	.9500	99.3	2294.0	23470.	262.0	285.2	1.03	2.712	171.8	435.6	.638
.6800	.9521	98.0	2306.0	23278.	265.1	288.9	1.02	2.713	172.3	436.6	.645
.6900	.9542	96.8	2318.0	23089.	268.1	292.7	1.02	2.714	172.8	437.4	.653
.7000	.9562	95.6	2329.9	22902.	271.2	296.4	1.02	2.716	173.3	438.4	.660
.7100	.9582	94.5	2341.9	22719.	274.3	300.3	1.02	2.717	173.7	439.3	.668
.7200	.9601	93.4	2353.9	22539.	277.4	304.1	1.02	2.718	174.2	440.1	.675
.7300	.9620	92.3	2365.9	22362.	280.6	308.0	1.02	2.719	174.7	441.0	.682
.7400	.9638	91.2	2377.8	22187.	283.8	312.0	1.02	2.720	175.1	441.8	.690
.7500	.9656	90.1	2389.8	22015.	287.0	316.0	1.01	2.721	175.6	442.5	.697
.7600	.9673	89.1	2401.8	21845.	290.2	320.0	1.01	2.722	176.0	443.4	.705
.7700	.9691	88.1	2413.8	21678.	293.5	324.0	1.01	2.723	176.4	444.1	.712
.7800	.9707	87.1	2425.7	21514.	296.8	328.1	1.01	2.724	176.8	444.8	.719
.7900	.9724	86.2	2437.7	21352.	300.1	332.2	1.01	2.725	177.2	445.5	.727
.8000	.9740	85.2	2449.7	21193.	303.4	336.4	1.01	2.726	177.6	446.2	.734
.8100	.9755	84.3	2461.7	21035.	306.8	340.7	1.01	2.727	178.0	447.4	.741
.8200	.9771	83.4	2473.6	20880.	310.2	345.0	1.01	2.728	178.4	448.1	.748
.8300	.9786	82.5	2485.6	20728.	313.6	349.3	1.01	2.729	178.8	448.8	.756
.8400	.9800	81.7	2497.6	20577.	317.1	353.7	1.01	2.730	179.2	449.6	.763
.8500	.9815	80.8	2509.6	20429.	320.6	358.2	1.01	2.731	179.6	450.3	.771
.8600	.9829	80.0	2521.5	20283.	324.1	362.8	1.01	2.732	180.1	451.0	.778
.8700	.9843	79.2	2533.5	20138.	327.6	367.3	1.01	2.733	180.5	451.6	.786
.8800	.9856	78.4	2545.4	19996.	331.2	372.0	1.00	2.734	180.9	452.3	.793
.8900	.9870	77.6	2557.4	19855.	334.9	376.7	1.00	2.734	181.3	453.0	.800
.9000	.9883	76.9	2569.4	19718.	338.5	381.2	1.00	2.735	181.7	453.7	.808
.9100	.9895	76.1	2581.4	19582.	342.2	383.9	1.00	2.736	182.1	454.4	.815
.9200	.9908	75.4	2593.4	19447.	345.9	387.7	1.00	2.737	182.4	455.0	.823
.9300	.9920	74.7	2605.3	19314.	349.7	391.5	1.00	2.738	182.8	455.7	.830
.9400	.9933	74.0	2617.3	19183.	353.6	395.5	1.00	2.739	183.2	456.3	.837
.9500	.9944	73.3	2629.3	19054.	357.4	399.5	1.01	2.739	183.6	456.9	.844
.9600	.9956	72.6	2641.3	18927.	361.3	403.6	1.01	2.740	183.9	457.5	.852
.9700	.9967	71.9	2653.2	18801.	365.3	407.7	1.01	2.741	184.3	458.1	.859
.9800	.9978	71.3	2665.2	18676.	369.3	411.9	1.00	2.742	184.7	458.7	.866
.9900	.9989	70.6	2677.2	18555.	373.3	416.2	1.00	2.743	185.0	459.4	.873
1.0000	1.0000	70.0	2689.2	18434.	377.4	420.5	1.01	2.743	185.4	459.9	.881

TABLE . SATURATED CRITICAL FLOW PROPERTIES

(PO 13000 KPA (TSAT 603.98 K))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	638.1	1532.0	50663.	94.0	129.1	1.37	2.509	119.1	298.8	.129
.0100	.0762	595.4	1543.4	50114.	96.3	131.5	1.37	2.509	120.7	302.9	.136
.0200	.1478	555.1	1554.7	49558.	98.6	133.8	1.36	2.510	122.3	306.9	.144
.0300	.2018	525.2	1566.1	48997.	100.9	136.2	1.35	2.511	123.9	310.9	.152
.0400	.2550	494.0	1577.4	48425.	103.2	138.5	1.34	2.513	125.5	314.9	.160
.0500	.3006	469.8	1588.8	47855.	105.5	140.7	1.33	2.515	126.9	318.2	.167
.0600	.3426	446.2	1600.1	47287.	107.9	142.9	1.33	2.516	127.9	321.7	.175
.0700	.3807	425.9	1611.5	46721.	110.2	145.1	1.32	2.518	129.3	324.1	.183
.0800	.4158	407.6	1622.8	46160.	112.5	147.3	1.31	2.520	130.5	328.4	.190
.0900	.4486	391.0	1634.2	45603.	114.9	149.5	1.30	2.522	131.7	331.7	.198
.1000	.4797	375.7	1645.5	45053.	117.2	151.6	1.29	2.524	132.9	334.9	.207
.1100	.5093	361.8	1656.9	44509.	119.5	153.7	1.29	2.526	133.8	337.9	.215
.1200	.5368	349.1	1668.2	43973.	121.9	155.8	1.28	2.528	134.8	340.9	.223
.1300	.5626	337.4	1679.6	43446.	124.2	157.8	1.27	2.530	135.9	343.8	.230
.1400	.5870	326.5	1690.9	42925.	126.6	159.9	1.26	2.532	136.9	346.6	.238
.1500	.6103	316.3	1702.3	42414.	128.9	161.9	1.26	2.534	137.8	349.3	.246
.1600	.6327	306.7	1713.6	41911.	131.3	163.9	1.25	2.536	138.8	351.9	.254
.1700	.6542	297.7	1725.0	41416.	133.6	165.9	1.24	2.539	139.7	354.6	.261
.1800	.6749	289.2	1736.3	40931.	136.0	167.8	1.23	2.541	140.5	357.1	.269
.1900	.6950	281.2	1747.7	40454.	138.4	169.9	1.23	2.543	141.4	359.6	.277
.2000	.7144	273.6	1759.0	39986.	140.7	171.9	1.22	2.545	142.2	361.9	.285
.2100	.7332	266.4	1770.4	39527.	143.1	173.9	1.21	2.547	143.0	364.2	.292
.2200	.7515	259.6	1781.7	39076.	145.5	175.8	1.21	2.549	143.8	366.5	.300
.2300	.7692	253.1	1793.1	38633.	147.8	177.8	1.20	2.551	144.5	368.7	.308
.2400	.7864	246.9	1804.4	38200.	150.3	179.7	1.19	2.553	145.3	370.9	.315
.2500	.8031	241.0	1815.8	37775.	152.7	181.7	1.19	2.555	146.0	373.0	.323
.2600	.8193	235.3	1827.1	37358.	155.1	183.6	1.18	2.557	146.7	375.0	.330
.2700	.8351	229.8	1838.5	36948.	157.5	185.6	1.18	2.560	147.4	377.0	.338
.2800	.8505	224.5	1849.8	36547.	159.9	187.5	1.17	2.562	148.0	379.0	.346
.2900	.8655	219.4	1861.2	36153.	162.3	189.5	1.17	2.564	148.7	380.9	.353
.3000	.8801	214.5	1872.5	35767.	164.8	191.4	1.16	2.566	149.3	382.8	.361
.3100	.8943	209.8	1883.9	35388.	167.2	193.4	1.16	2.568	149.9	384.6	.368
.3200	.9082	205.2	1895.2	35016.	169.6	195.3	1.15	2.570	150.5	386.4	.376
.3300	.9217	200.8	1906.6	34651.	172.1	197.3	1.15	2.571	151.1	388.2	.383
.3400	.9349	196.5	1917.9	34294.	174.5	199.2	1.14	2.573	151.6	389.9	.391
.3500	.9477	192.4	1929.2	33943.	177.0	201.2	1.14	2.573	152.2	391.5	.399
.3600	.9602	188.3	1940.6	33598.	179.5	203.1	1.13	2.575	152.7	393.1	.406
.3700	.9724	184.4	1951.9	33260.	182.0	205.1	1.13	2.576	153.2	394.8	.414
.3800	.9843	180.6	1963.3	32929.	184.5	207.1	1.12	2.578	153.7	396.4	.421
.3900	.9959	176.9	1974.6	32603.	187.0	209.1	1.12	2.580	154.2	397.9	.428
.4000	1.0072	173.4	1986.0	32284.	189.5	211.1	1.11	2.581	154.7	399.4	.436
.4100	1.0183	170.0	1997.3	31970.	192.0	213.1	1.11	2.583	155.2	400.9	.443
.4200	1.0291	166.7	2008.7	31662.	194.5	215.1	1.11	2.584	155.7	402.3	.451
.4300	1.0397	163.5	2020.0	31360.	197.1	217.1	1.10	2.586	156.1	403.8	.458
.4400	1.0501	160.4	2031.4	31063.	199.6	219.1	1.10	2.587	156.6	405.2	.466
.4500	1.0603	157.4	2042.7	30771.	202.2	221.2	1.09	2.589	157.0	406.5	.473
.4600	1.0703	154.5	2054.1	30485.	204.7	223.3	1.09	2.590	157.4	407.8	.480
.4700	1.0801	151.7	2065.4	30203.	207.3	225.4	1.09	2.592	157.9	409.1	.488
.4800	1.0898	149.0	2076.8	29927.	209.9	227.5	1.08	2.593	158.3	410.5	.495
.4900	1.0993	146.4	2088.1	29655.	212.5	229.6	1.08	2.595	158.7	411.7	.502
.5000	1.1086	143.8	2099.4	29388.	215.1	231.7	1.08	2.596	159.1	413.0	.510
.5100	1.1178	141.3	2110.8	29126.	217.8	233.8	1.07	2.597	159.4	414.1	.517
.5200	1.1268	138.9	2122.1	28868.	220.4	236.0	1.07	2.599	159.8	415.4	.524
.5300	1.1357	136.5	2133.4	28615.	223.1	238.1	1.07	2.600	160.2	416.6	.532
.5400	1.1444	134.2	2144.8	28366.	225.8	240.3	1.06	2.602	160.6	417.9	.539
.5500	1.1530	131.9	2156.1	28120.	228.4	242.5	1.06	2.603	160.9	418.9	.546
.5600	1.1615	129.7	2167.4	27879.	231.1	244.8	1.06	2.604	161.3	420.0	.554
.5700	1.1698	127.5	2178.8	27642.	233.8	247.0	1.06	2.605	161.6	421.1	.561
.5800	1.1780	125.4	2190.1	27409.	236.6	249.2	1.05	2.607	161.9	422.1	.569
.5900	1.1861	123.3	2201.4	27180.	239.3	251.5	1.05	2.608	162.3	423.2	.576
.6000	1.1940	121.1	2212.8	26954.	242.1	253.8	1.04	2.609	162.6	424.2	.583
.6100	1.2019	119.1	2224.1	26732.	244.8	256.2	1.05	2.610	162.9	425.3	.590
.6200	1.2096	117.1	2235.4	26514.	247.6	258.5	1.04	2.611	163.2	426.2	.597
.6300	1.2172	115.1	2246.8	26299.	250.4	260.9	1.04	2.613	163.5	427.3	.605
.6400	1.2247	113.2	2258.1	26087.	253.2	263.3	1.04	2.614	163.8	428.3	.613
.6500	1.2321	111.3	2269.4	25879.	256.1	265.8	1.04	2.615	164.1	429.2	.619
.6600	1.2394	109.4	2280.8	25674.	258.9	268.2	1.04	2.616	164.4	430.2	.626
.6700	1.2465	107.6	2292.1	25472.	261.8	270.7	1.03	2.617	164.7	431.0	.634
.6800	1.2536	105.7	2303.4	25273.	264.7	273.3	1.03	2.618	165.0	431.9	.641
.6900	1.2606	103.9	2314.8	25077.	267.6	275.9	1.03	2.619	165.3	432.9	.648
.7000	1.2675	102.1	2326.1	24884.	270.6	278.5	1.03	2.620	165.5	433.8	.655
.7100	1.2743	100.3	2337.4	24694.	273.5	281.2	1.03	2.621	165.8	434.6	.663
.7200	1.2810	98.5	2348.8	24507.	276.5	283.9	1.02	2.622	166.1	435.5	.670
.7300	1.2876	96.7	2360.1	24323.	279.5	286.6	1.02	2.624	166.4	436.4	.677
.7400	1.2941	95.0	2371.4	24141.	282.5	289.3	1.02	2.625	166.6	437.2	.684
.7500	1.3005	93.2	2382.8	23962.	285.5	292.0	1.02	2.626	166.8	438.1	.691
.7600	1.3068	91.5	2394.1	23786.	288.6	294.8	1.02	2.627	167.1	438.8	.699
.7700	1.3130	89.8	2405.4	23612.	291.7	297.5	1.02	2.628	167.3	439.7	.706
.7800	1.3191	88.1	2416.8	23441.	294.8	300.3	1.02	2.629	167.5	440.5	.713
.7900	1.3251	86.4	2428.1	23272.	297.9	303.0	1.02	2.630	167.8	441.3	.720
.8000	1.3310	84.8	2439.4	23105.	301.0	305.9	1.02	2.630	168.0	442.0	.727
.8100	1.3368	83.1	2450.8	22941.	304.2	308.9	1.02	2.631	168.3	442.8	.734
.8200	1.3425	81.5	2462.1	22778.	307.4	311.9	1.01	2.633	168.5	443.5	.742
.8300	1.3481	79.9	2473.4	22618.	310.6	314.9	1.01	2.633	168.7	444.3	.749
.8400	1.3536	78.3	2484.8	22459.	313.9	318.0	1.01	2.634	168.9	444.9	.756
.8500	1.3590	76.8	2496.1	22302.	317.2	321.3	1.01	2.635	169.2	445.8	.763
.8600	1.3643	75.2	2507.4	22147.	320.5	324.4	1.01	2.636	169.4	446.4	.770
.8700	1.3695	73.7	2518.8	21994.	323.8	327.6	1.01	2.637	169.5	447.0	.777
.8800	1.3746	72.2	2530.1	21843.	327.2	330.9	1.01	2.638	169.8	447.8	.784
.8900	1.3796	70.7	2541.4	21694.	330.6	334.3	1.01	2.638	170.0	448.4	.791
.9000	1.3846	69.2	2552.8	21547.	334.0	337.7	1.01	2.639	170.3	449.1	.798
.9100	1.3895	67.8	2564.1	21402.	337.5	341.1	1.01	2.640	170.4	449.8	.806
.9200	1.3943	66.4	2575.4	21258.	341.0	344.6	1.01	2.641	170.6	450.5	.813
.9300	1.3990	65.0	2586.8	21116.	344.6	348.2	1.01	2.642	170.8	451.1	.820
.9400	1.4037	63.6	2598.1	20976.	348.1	351.8	1.01	2.643	170.9	451.7	.827
.9500	1.4083	62.2	2609.4	20838.	351.7	355.5	1.01	2.643	171.1	452.4	.834
.9600	1.4128	60.9	2620.8	20701.	355.3	359.2	1.01	2.644	171.3	452.9	.841
.9700	1.4173	59.5	2632.1	20566.	359.0	363.1	1.01	2.645	171.4	453.6	.848
.9800	1.4217	58.2	2643.4	20433.	362.7	366.9	1.01	2.645	171.7	454.3	.855
.9900	1.4260	56.9	2654.8	20302.	366.4	370.9	1.01	2.646	171.8	454.9	.863
1.0000	1.0000	78.1	2667.0	20208.	370.2	374.9	1.01	2.647	172.0	455.4	.870

TABLE 5. SATURATED CRITICAL FLOW PROPERTIES

(PO 14000 KPA (TSAT 609.79 K))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
.0000	0.0000	620.9	1571.6	52102.	100.7	135.7	1.35	2.429	124.6	302.5	.140
.0100	.0672	585.0	1552.3	51575.	102.9	136.0	1.34	2.430	126.0	306.2	.147
.0200	.1271	553.0	1533.1	51041.	105.1	140.2	1.33	2.431	127.4	309.8	.155
.0300	.1808	524.3	1603.8	50503.	107.3	142.4	1.33	2.433	128.8	313.5	.162
.0400	.2302	498.9	1614.5	49963.	109.5	144.6	1.32	2.433	130.1	316.5	.170
.0500	.2731	475.1	1625.2	49424.	111.8	146.9	1.31	2.434	131.4	319.8	.177
.0600	.3130	453.8	1635.9	48885.	114.0	149.8	1.31	2.436	132.6	323.0	.185
.0700	.3509	434.5	1646.6	48350.	116.2	151.8	1.30	2.438	133.8	326.1	.193
.0800	.3879	416.4	1657.3	47810.	118.5	154.0	1.30	2.440	134.9	329.2	.200
.0900	.4138	400.0	1668.0	47282.	120.7	156.2	1.29	2.442	136.0	332.1	.208
.1000	.4423	384.8	1678.7	46770.	122.9	158.1	1.28	2.443	137.1	335.0	.215
.1100	.4687	370.7	1689.4	46255.	125.2	159.1	1.27	2.445	138.1	337.7	.223
.1200	.4932	357.6	1700.1	45746.	127.4	161.1	1.26	2.447	139.1	340.5	.230
.1300	.5161	345.4	1710.8	45241.	129.7	163.1	1.26	2.449	140.1	343.1	.238
.1400	.5374	334.0	1721.5	44746.	131.9	165.1	1.25	2.451	141.1	345.7	.245
.1500	.5574	323.3	1732.2	44260.	134.2	167.0	1.24	2.453	142.0	348.2	.253
.1600	.5762	313.3	1743.0	43779.	136.4	169.0	1.24	2.455	142.9	350.7	.261
.1700	.5938	303.8	1753.7	43305.	138.7	170.9	1.23	2.457	143.7	353.1	.268
.1800	.6104	295.0	1764.4	42840.	141.0	172.8	1.23	2.458	144.6	355.4	.276
.1900	.6260	286.6	1775.1	42384.	143.2	174.7	1.22	2.460	145.4	357.7	.283
.2000	.6408	278.7	1785.8	41931.	145.5	176.7	1.21	2.462	146.2	359.9	.291
.2100	.6548	271.3	1796.5	41488.	147.8	178.6	1.21	2.464	147.0	362.1	.298
.2200	.6681	264.2	1807.2	41053.	150.1	180.5	1.20	2.466	147.7	364.2	.305
.2300	.6807	257.5	1817.9	40624.	152.4	182.4	1.20	2.469	148.4	366.3	.313
.2400	.6927	251.1	1828.6	40204.	154.7	184.3	1.19	2.470	149.1	368.3	.320
.2500	.7041	245.0	1839.3	39791.	157.0	186.2	1.19	2.471	149.8	370.3	.328
.2600	.7149	239.2	1850.0	39385.	159.3	188.1	1.18	2.473	150.5	372.2	.335
.2700	.7253	233.7	1860.7	38986.	161.6	189.9	1.17	2.474	151.2	374.0	.342
.2800	.7351	228.4	1871.4	38594.	163.9	191.8	1.17	2.476	151.8	375.8	.350
.2900	.7446	223.4	1882.2	38208.	166.2	193.7	1.16	2.478	152.5	377.6	.357
.3000	.7536	218.5	1892.9	37830.	168.6	195.6	1.16	2.480	153.1	379.4	.364
.3100	.7623	213.9	1903.6	37458.	170.9	197.5	1.16	2.481	153.7	381.3	.372
.3200	.7706	209.5	1914.3	37093.	173.2	199.4	1.15	2.483	154.2	383.0	.379
.3300	.7784	205.2	1925.0	36734.	175.6	201.3	1.15	2.485	154.8	384.7	.386
.3400	.7862	201.2	1935.7	36381.	177.9	203.2	1.14	2.486	155.4	386.3	.394
.3500	.7935	197.2	1946.4	36034.	180.3	205.1	1.14	2.488	155.9	387.9	.401
.3600	.8006	193.5	1957.1	35694.	182.7	207.0	1.13	2.490	156.4	389.5	.408
.3700	.8074	189.8	1967.8	35359.	185.0	208.9	1.13	2.491	157.0	391.0	.415
.3800	.8139	186.3	1978.5	35030.	187.4	210.8	1.12	2.493	157.5	392.5	.423
.3900	.8202	183.0	1989.2	34707.	189.8	212.8	1.12	2.494	158.0	394.0	.430
.4000	.8263	179.7	1999.9	34389.	192.2	214.7	1.12	2.496	158.4	395.4	.437
.4100	.8322	176.6	2010.6	34076.	194.6	216.6	1.11	2.497	158.9	396.9	.444
.4200	.8379	173.6	2021.3	33769.	197.0	218.6	1.11	2.499	159.4	398.2	.452
.4300	.8434	170.6	2032.0	33467.	199.4	220.6	1.11	2.500	159.8	399.6	.459
.4400	.8487	167.8	2042.8	33170.	201.9	222.5	1.10	2.501	160.3	401.0	.466
.4500	.8538	165.1	2053.5	32878.	204.4	224.5	1.10	2.503	160.7	402.2	.473
.4600	.8588	162.4	2064.2	32591.	206.8	226.5	1.10	2.504	161.1	403.5	.480
.4700	.8636	159.8	2074.9	32309.	209.3	228.5	1.09	2.505	161.6	404.9	.487
.4800	.8682	157.4	2085.6	32031.	211.7	230.4	1.09	2.507	162.0	406.1	.495
.4900	.8727	154.9	2096.3	31757.	214.2	232.5	1.09	2.508	162.4	407.3	.502
.5000	.8771	152.6	2107.0	31489.	216.7	234.6	1.08	2.510	162.8	408.6	.509
.5100	.8814	150.3	2117.7	31224.	219.2	236.6	1.08	2.511	163.2	409.7	.516
.5200	.8855	148.1	2128.4	30964.	221.8	238.7	1.08	2.513	163.5	410.9	.523
.5300	.8894	146.0	2139.1	30707.	224.3	240.8	1.07	2.514	163.9	412.1	.530
.5400	.8934	143.9	2149.8	30455.	226.8	242.9	1.07	2.515	164.3	413.1	.537
.5500	.8972	141.9	2160.5	30207.	229.4	245.0	1.07	2.516	164.7	414.3	.544
.5600	.9008	139.9	2171.2	29963.	231.9	247.1	1.07	2.517	165.0	415.4	.551
.5700	.9044	138.0	2182.0	29722.	234.5	249.2	1.06	2.518	165.4	416.5	.558
.5800	.9079	136.2	2192.7	29485.	237.1	251.4	1.06	2.520	165.7	417.5	.565
.5900	.9113	134.4	2203.4	29252.	239.7	253.6	1.06	2.520	166.0	418.5	.572
.6000	.9146	132.6	2214.1	29022.	242.3	255.8	1.06	2.522	166.4	419.5	.580
.6100	.9178	130.9	2224.8	28796.	245.0	258.1	1.05	2.523	166.7	420.6	.587
.6200	.9209	129.2	2235.5	28573.	247.6	260.3	1.05	2.524	167.0	421.6	.594
.6300	.9240	127.6	2246.2	28354.	250.3	262.6	1.05	2.525	167.3	422.5	.601
.6400	.9269	126.0	2256.9	28138.	253.0	264.9	1.05	2.526	167.6	423.5	.609
.6500	.9298	124.4	2267.6	27925.	255.6	267.2	1.05	2.527	167.9	424.4	.615
.6600	.9327	122.9	2278.3	27715.	258.3	269.5	1.04	2.529	168.2	425.3	.622
.6700	.9354	121.5	2289.0	27508.	261.1	271.9	1.04	2.530	168.4	426.3	.629
.6800	.9381	120.0	2299.7	27304.	263.8	274.3	1.04	2.531	168.8	427.2	.636
.6900	.9408	118.6	2310.4	27103.	266.6	276.7	1.04	2.532	169.1	428.1	.643
.7000	.9434	117.2	2321.2	26905.	269.3	279.1	1.04	2.533	169.4	429.0	.650
.7100	.9459	115.9	2331.9	26710.	272.1	281.5	1.03	2.534	169.6	429.8	.657
.7200	.9483	114.6	2342.6	26518.	274.9	284.0	1.03	2.535	169.9	430.7	.664
.7300	.9507	113.3	2353.3	26328.	277.7	286.5	1.03	2.536	170.2	431.5	.671
.7400	.9531	112.0	2364.0	26141.	280.6	289.1	1.03	2.537	170.4	432.4	.678
.7500	.9554	110.8	2374.7	25956.	283.4	291.7	1.03	2.538	170.7	433.2	.685
.7600	.9576	109.6	2385.4	25774.	286.3	294.3	1.03	2.539	170.9	434.0	.691
.7700	.9598	108.4	2396.1	25595.	289.2	296.9	1.03	2.540	171.2	434.8	.698
.7800	.9620	107.3	2406.8	25417.	292.1	299.6	1.03	2.541	171.4	435.6	.705
.7900	.9641	106.2	2417.5	25243.	295.1	302.3	1.02	2.542	171.7	436.3	.712
.8000	.9662	105.1	2428.2	25070.	298.0	305.0	1.02	2.543	171.9	437.1	.719
.8100	.9682	104.0	2438.9	24900.	301.0	307.8	1.02	2.543	172.1	437.8	.726
.8200	.9702	102.9	2449.6	24733.	304.0	310.5	1.02	2.544	172.4	438.5	.733
.8300	.9722	101.9	2460.3	24567.	307.0	313.4	1.02	2.545	172.6	439.4	.740
.8400	.9740	100.9	2471.0	24404.	310.1	316.3	1.02	2.546	172.8	440.1	.747
.8500	.9759	99.9	2481.8	24242.	313.1	319.2	1.02	2.547	173.1	440.8	.754
.8600	.9777	98.9	2492.5	24083.	316.2	322.2	1.02	2.548	173.3	441.5	.761
.8700	.9795	97.9	2503.2	23926.	319.4	325.2	1.02	2.549	173.5	442.2	.768
.8800	.9813	97.0	2513.9	23771.	322.5	328.2	1.02	2.549	173.7	442.8	.775
.8900	.9830	96.1	2524.6	23618.	325.7	331.3	1.02	2.550	173.9	443.5	.781
.9000	.9847	95.2	2535.3	23467.	328.8	334.4	1.02	2.551	174.1	444.2	.788
.9100	.9863	94.3	2546.0	23317.	332.1	337.6	1.02	2.552	174.3	444.9	.795
.9200	.9880	93.4	2556.7	23170.	335.3	340.8	1.02	2.553	174.5	445.5	.802
.9300	.9896	92.6	2567.4	23024.	338.6	344.0	1.02	2.553	174.7	446.1	.809
.9400	.9911	91.7	2578.1	22880.	341.9	347.4	1.02	2.554	174.9	446.8	.815
.9500	.9927	90.9	2588.8	22738.	345.2	350.7	1.02	2.555	175.1	447.3	.823
.9600	.9942	90.1	2599.5	22598.	348.6	354.2	1.02	2.556	175.3	448.1	.830
.9700	.9957	89.3	2610.2	22459.	352.0	357.6	1.02	2.557	175.5	448.6	.836
.9800	.9971	88.5	2620.9	22323.	355.4	361.1	1.02	2.557	175.7	449.2	.843
.9900	.9986	87.7	2631.7	22187.	358.8	364.8	1.02	2.558	175.9	449.9	.850
1.0000	1.0000	87.0	2642.4	22054.	362.3	368.4	1.02	2.559	176.0	450.5	.857

TABLE 5. SATURATED CRITICAL FLOW PROPERTIES

(PO 15000 KPA (TSAT 615.28 K))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
.0000	0.0000	603.2	1611.0	53401.	107.6	142.4	1.32	2.355	130.0	306.1	.152
.0100	.0593	573.2	1621.1	52898.	109.7	144.5	1.32	2.356	131.3	309.3	.159
.0200	.1179	546.0	1631.1	52391.	111.8	146.7	1.32	2.357	132.6	312.5	.166
.0300	.1767	521.4	1641.1	51883.	113.9	148.9	1.31	2.358	133.9	315.8	.174
.0400	.2368	498.7	1651.2	51374.	116.0	150.7	1.30	2.359	135.2	318.5	.181
.0500	.2971	478.0	1661.3	50866.	118.1	152.7	1.29	2.361	136.2	321.9	.188
.0600	.3567	459.0	1671.3	50359.	120.2	154.8	1.29	2.362	137.3	324.4	.195
.0700	.4195	441.4	1681.4	49857.	122.4	156.7	1.28	2.363	138.4	327.1	.203
.0800	.4816	425.1	1691.5	49357.	124.5	158.7	1.27	2.365	139.5	330.1	.210
.0900	.5435	409.9	1701.4	48852.	126.6	160.7	1.27	2.367	140.5	332.5	.217
.1000	.6093	395.9	1711.4	48371.	128.8	162.6	1.26	2.368	141.5	335.1	.225
.1100	.6753	382.7	1721.5	47886.	130.9	164.5	1.26	2.370	142.5	337.5	.232
.1200	.7406	370.4	1731.5	47405.	133.0	166.4	1.25	2.371	143.4	340.1	.239
.1300	.8126	358.9	1741.5	46931.	135.2	168.3	1.24	2.374	144.3	342.5	.247
.1400	.8838	348.0	1751.6	46463.	137.3	170.1	1.24	2.377	145.2	344.9	.254
.1500	.9540	337.8	1761.6	46001.	139.5	172.1	1.23	2.377	146.1	347.2	.261
.1600	.9430	328.2	1771.7	45545.	141.6	174.0	1.23	2.379	146.9	349.4	.268
.1700	.9309	319.2	1781.7	45094.	143.8	175.9	1.22	2.382	147.7	351.6	.275
.1800	.9179	310.7	1791.7	44653.	145.9	177.7	1.22	2.384	148.5	353.8	.283
.1900	.9040	302.8	1801.8	44216.	148.1	179.5	1.21	2.385	149.3	355.9	.290
.2000	.8893	295.4	1811.8	43786.	150.3	181.3	1.21	2.385	150.1	357.9	.297
.2100	.8738	288.4	1821.9	43363.	152.4	183.2	1.20	2.387	150.8	360.0	.304
.2200	.8576	281.8	1831.9	42946.	154.6	184.9	1.20	2.389	151.5	361.9	.311
.2300	.8407	275.6	1842.0	42535.	156.8	186.7	1.19	2.390	152.2	363.8	.318
.2400	.8232	269.7	1852.0	42131.	159.0	188.5	1.19	2.392	152.9	365.7	.325
.2500	.8052	264.2	1862.0	41733.	161.2	190.3	1.18	2.394	153.6	367.6	.332
.2600	.7867	258.9	1872.1	41342.	163.4	192.1	1.18	2.395	154.2	369.4	.340
.2700	.7676	253.9	1882.1	40957.	165.6	193.8	1.17	2.397	154.8	371.1	.347
.2800	.7481	249.2	1892.2	40577.	167.8	195.5	1.17	2.398	155.5	372.9	.354
.2900	.7281	244.6	1902.2	40204.	170.0	197.2	1.16	2.400	156.1	374.6	.361
.3000	.7077	240.3	1912.2	39837.	172.2	198.9	1.16	2.401	156.7	376.0	.368
.3100	.7370	236.2	1922.3	39475.	174.4	201.4	1.15	2.403	157.3	377.9	.375
.3200	.7650	232.4	1932.3	39120.	176.6	203.1	1.15	2.404	157.8	379.4	.382
.3300	.7544	228.8	1942.3	38770.	178.9	204.7	1.14	2.406	158.4	381.1	.389
.3400	.7426	225.4	1952.4	38425.	181.1	206.3	1.14	2.408	158.9	382.6	.396
.3500	.7306	222.2	1962.4	38087.	183.4	208.0	1.13	2.409	159.5	384.2	.403
.3600	.7782	219.0	1972.5	37753.	185.6	210.5	1.13	2.411	160.0	385.6	.410
.3700	.7655	216.1	1982.5	37425.	187.9	212.1	1.13	2.413	160.5	387.1	.417
.3800	.7526	213.3	1992.6	37102.	190.1	213.7	1.12	2.415	161.0	388.4	.424
.3900	.7395	210.6	2002.6	36784.	192.4	215.3	1.12	2.416	161.5	389.9	.431
.4000	.7261	208.0	2012.6	36471.	194.7	217.0	1.12	2.416	161.9	391.3	.438
.4100	.8125	205.5	2022.7	36162.	197.0	218.5	1.12	2.418	162.4	392.7	.445
.4200	.8187	203.1	2032.7	35859.	199.2	220.1	1.11	2.419	162.9	394.0	.452
.4300	.8247	200.8	2042.7	35561.	201.5	221.6	1.11	2.420	163.3	395.3	.459
.4400	.8305	198.5	2052.8	35268.	203.8	223.2	1.10	2.421	163.8	396.6	.466
.4500	.8361	196.3	2062.8	34977.	206.2	224.8	1.10	2.423	164.2	397.9	.473
.4600	.8416	194.2	2072.9	34692.	208.5	226.3	1.10	2.424	164.6	399.2	.480
.4700	.8469	192.1	2082.9	34411.	210.8	227.8	1.09	2.426	165.0	400.4	.487
.4800	.8520	190.1	2093.0	34134.	213.2	229.3	1.09	2.427	165.4	401.7	.493
.4900	.8570	188.1	2103.0	33862.	215.6	230.8	1.09	2.429	165.9	402.9	.500
.5000	.8618	186.2	2113.0	33594.	217.9	232.3	1.08	2.429	166.3	404.1	.507
.5100	.8665	184.3	2123.1	33330.	220.3	233.8	1.08	2.430	166.6	405.3	.514
.5200	.8711	182.5	2133.1	33070.	222.7	235.3	1.08	2.432	167.0	406.4	.521
.5300	.8756	180.7	2143.2	32814.	225.1	236.8	1.07	2.433	167.4	407.6	.528
.5400	.8800	178.9	2153.2	32562.	227.5	238.3	1.07	2.435	167.8	408.7	.535
.5500	.8840	177.2	2163.3	32312.	229.9	239.8	1.07	2.435	168.1	409.8	.541
.5600	.8881	175.4	2173.3	32066.	232.3	241.3	1.07	2.437	168.5	410.9	.548
.5700	.8920	173.8	2183.3	31823.	234.7	242.8	1.07	2.438	168.8	411.9	.555
.5800	.8958	172.1	2193.4	31582.	237.2	244.3	1.06	2.439	169.2	413.0	.562
.5900	.8994	170.5	2203.4	31345.	239.6	245.8	1.06	2.440	169.5	413.9	.569
.6000	.9029	168.9	2213.4	31112.	242.1	247.2	1.06	2.441	169.9	414.8	.575
.6100	.9062	167.4	2223.5	30882.	244.6	248.7	1.06	2.442	170.2	415.8	.582
.6200	.9094	165.9	2233.5	30656.	247.1	250.1	1.05	2.443	170.5	416.7	.589
.6300	.9125	164.4	2243.6	30432.	249.6	251.6	1.05	2.444	170.8	417.5	.596
.6400	.9154	163.0	2253.6	30212.	252.1	253.0	1.05	2.445	171.1	418.4	.603
.6500	.9183	161.6	2263.6	29995.	254.6	254.4	1.04	2.446	171.4	419.2	.609
.6600	.9211	160.2	2273.7	29797.	257.2	255.8	1.04	2.447	171.7	420.3	.616
.6700	.9238	158.8	2283.7	29587.	259.7	257.2	1.04	2.448	172.0	421.1	.623
.6800	.9264	157.5	2293.7	29380.	262.3	258.6	1.04	2.449	172.3	422.0	.629
.6900	.9289	156.2	2303.8	29179.	264.9	260.0	1.04	2.450	172.6	422.8	.636
.7000	.9314	154.9	2313.8	28975.	267.5	261.4	1.04	2.451	172.9	423.6	.643
.7100	.9338	153.8	2323.9	28776.	270.1	262.8	1.04	2.452	173.2	424.4	.650
.7200	.9361	152.6	2333.9	28580.	272.8	264.2	1.04	2.453	173.5	425.2	.656
.7300	.9384	151.4	2344.0	28386.	275.4	265.6	1.04	2.455	173.7	425.9	.663
.7400	.9407	150.3	2354.0	28195.	278.0	267.0	1.04	2.455	174.0	426.7	.670
.7500	.9429	149.2	2364.0	28006.	280.7	268.4	1.04	2.456	174.2	427.4	.676
.7600	.9451	148.1	2374.1	27820.	283.4	269.8	1.03	2.457	174.5	428.2	.683
.7700	.9472	147.0	2384.1	27637.	286.1	271.2	1.03	2.458	174.8	428.9	.690
.7800	.9493	146.0	2394.2	27455.	288.8	272.6	1.03	2.459	175.0	429.6	.696
.7900	.9513	144.9	2404.2	27276.	291.6	274.0	1.03	2.460	175.3	430.3	.703
.8000	.9533	143.9	2414.2	27100.	294.3	275.4	1.03	2.461	175.5	431.0	.710
.8100	.9552	142.9	2424.3	26925.	297.1	276.8	1.03	2.462	175.7	431.6	.717
.8200	.9571	141.9	2434.3	26753.	299.8	278.2	1.03	2.463	176.0	432.3	.723
.8300	.9589	140.9	2444.4	26583.	302.7	279.6	1.03	2.463	176.2	433.0	.730
.8400	.9607	139.9	2454.4	26415.	305.4	281.0	1.03	2.464	176.4	433.6	.736
.8500	.9625	138.9	2464.4	26249.	308.4	282.4	1.03	2.465	176.7	434.3	.743
.8600	.9642	137.9	2474.5	26085.	311.2	283.8	1.02	2.466	176.9	434.9	.750
.8700	.9658	137.0	2484.5	25923.	314.0	285.2	1.02	2.467	177.1	435.6	.756
.8800	.9674	136.0	2494.5	25763.	316.9	286.6	1.02	2.468	177.3	436.2	.763
.8900	.9690	135.1	2504.6	25605.	319.8	288.0	1.02	2.469	177.5	436.8	.770
.9000	.9705	134.1	2514.6	25449.	322.6	289.4	1.02	2.469	177.8	437.5	.776
.9100	.9720	133.2	2524.7	25294.	325.5	290.8	1.02	2.470	178.0	438.1	.783
.9200	.9735	132.3	2534.7	25142.	328.4	292.2	1.02	2.472	178.2	438.7	.790
.9300	.9749	131.4	2544.8	24991.	331.3	293.6	1.02	2.473	178.4	439.3	.796
.9400	.9763	130.5	2554.8	24843.	334.2	295.0	1.02	2.473	178.6	439.9	.803
.9500	.9776	129.6	2564.8	24695.	337.0	296.4	1.02	2.474	178.8	440.5	.809
.9600	.9789	128.7	2574.9	24550.	341.1	297.8	1.02	2.474	179.0	441.1	.816
.9700	.9801	127.8	2584.9	24406.	344.0	299.2	1.02	2.475	179.2	441.7	.823
.9800	.9813	126.9	2594.9	24264.	347.0	300.6	1.02	2.475	179.3	442.3	.830
.9900	.9824	126.1	2605.0	24123.	350.0	302.0	1.02	2.476	179.5	442.9	.836
1.0000	1.0000	125.2	2615.0	23985.	353.0	303.4	1.02	2.477	179.7	443.5	.842

TABLE 4. SATURATED CRITICAL FLOW PROPERTIES

(P0 16000 KPA (TSAT 620.48 K))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XE
0.0000	0.0000	584.7	1650.5	54554.	114.7	149.3	1.30	2.296	135.4	309.6	.165
.0100	.0521	559.8	1659.9	54079.	116.7	151.3	1.30	2.287	136.6	312.4	.172
.0200	.1000	537.0	1669.2	53603.	118.7	153.2	1.29	2.288	137.8	315.2	.179
.0300	.1441	515.9	1678.6	53127.	120.7	155.1	1.29	2.289	139.0	317.9	.186
.0400	.1848	496.5	1687.9	52652.	122.7	157.0	1.28	2.290	140.0	320.5	.193
.0500	.2226	478.4	1697.3	52178.	124.7	158.9	1.27	2.291	141.0	323.1	.200
.0600	.2578	461.6	1706.6	51700.	126.7	160.8	1.27	2.293	142.0	325.7	.207
.0700	.2906	446.0	1715.9	51237.	128.7	162.7	1.26	2.294	143.0	328.1	.214
.0800	.3212	431.4	1725.3	50772.	130.7	164.5	1.26	2.296	144.0	330.6	.221
.0900	.3499	417.7	1734.6	50310.	132.7	166.4	1.25	2.297	144.9	332.9	.228
.1000	.3768	404.9	1744.0	49852.	134.7	168.2	1.25	2.299	145.9	335.3	.235
.1100	.4021	392.8	1753.3	49399.	136.7	170.0	1.24	2.300	146.7	337.5	.242
.1200	.4260	381.4	1762.7	48951.	138.7	171.8	1.24	2.302	147.6	339.8	.249
.1300	.4485	370.7	1772.0	48507.	140.8	173.6	1.23	2.303	148.5	341.9	.256
.1400	.4698	360.5	1781.3	48069.	142.8	175.4	1.23	2.305	149.3	344.1	.263
.1500	.4899	350.9	1790.7	47635.	144.8	177.2	1.22	2.306	150.1	346.2	.270
.1600	.5090	341.8	1800.0	47207.	146.9	178.9	1.22	2.308	150.9	348.2	.277
.1700	.5271	333.1	1809.4	46785.	148.9	180.7	1.21	2.309	151.7	350.2	.284
.1800	.5443	324.9	1818.7	46367.	150.9	182.4	1.21	2.311	152.5	352.1	.290
.1900	.5607	317.1	1828.1	45956.	153.0	184.2	1.20	2.312	153.2	354.1	.297
.2000	.5764	309.6	1837.4	45550.	155.0	186.0	1.20	2.314	153.9	356.0	.304
.2100	.5913	302.5	1846.7	45149.	157.1	187.7	1.20	2.315	154.6	357.8	.311
.2200	.6056	295.7	1856.1	44754.	159.1	189.5	1.19	2.317	155.2	359.7	.318
.2300	.6191	289.2	1865.4	44364.	161.2	191.2	1.19	2.318	155.9	361.4	.325
.2400	.6322	283.0	1874.8	43980.	163.3	192.9	1.18	2.320	156.5	363.2	.332
.2500	.6446	277.0	1884.1	43601.	165.3	194.7	1.18	2.321	157.2	364.9	.338
.2600	.6566	271.3	1893.5	43227.	167.4	196.4	1.17	2.323	157.8	366.5	.345
.2700	.6681	265.8	1902.8	42859.	169.5	198.1	1.17	2.324	158.4	368.2	.352
.2800	.6791	260.6	1912.2	42496.	171.5	199.8	1.17	2.326	159.0	369.8	.358
.2900	.6897	255.5	1921.5	42139.	173.6	201.6	1.16	2.327	159.6	371.4	.365
.3000	.6999	250.7	1930.8	41786.	175.7	203.3	1.16	2.329	160.2	372.9	.372
.3100	.7097	246.0	1940.2	41439.	177.8	205.1	1.15	2.330	160.7	374.	.379
.3200	.7192	241.4	1949.5	41096.	179.9	206.8	1.15	2.331	161.3	375.	.386
.3300	.7283	237.0	1958.9	40759.	182.0	208.6	1.14	2.333	161.8	377.0	.393
.3400	.7371	232.8	1968.2	40426.	184.2	210.3	1.14	2.334	162.3	378.4	.399
.3500	.7456	228.9	1977.6	40099.	186.2	212.0	1.14	2.335	162.8	380.3	.406
.3600	.7538	225.0	1986.9	39776.	188.4	213.8	1.13	2.337	163.3	381.7	.412
.3700	.7617	221.4	1996.2	39457.	190.5	215.5	1.13	2.338	163.8	383.1	.419
.3800	.7693	217.8	2005.6	39143.	192.6	217.3	1.13	2.339	164.3	384.5	.426
.3900	.7768	214.4	2014.9	38834.	194.8	219.1	1.12	2.341	164.8	385.8	.433
.4000	.7839	211.0	2024.3	38529.	196.9	220.9	1.12	2.342	165.3	387.1	.439
.4100	.7909	207.7	2033.6	38229.	199.1	222.6	1.12	2.343	165.7	388.4	.446
.4200	.7976	204.6	2043.0	37932.	201.2	224.4	1.12	2.345	166.2	389.6	.452
.4300	.8041	201.6	2052.3	37640.	203.4	226.2	1.11	2.346	166.6	390.9	.459
.4400	.8105	198.7	2061.6	37352.	205.6	228.0	1.11	2.347	167.1	392.1	.466
.4500	.8166	195.8	2071.0	37069.	207.7	229.8	1.11	2.348	167.5	393.3	.472
.4600	.8226	193.1	2080.3	36789.	209.9	231.6	1.10	2.350	167.9	394.5	.479
.4700	.8284	190.4	2089.7	36513.	212.1	233.4	1.10	2.351	168.3	395.7	.485
.4800	.8340	187.9	2099.0	36241.	214.3	235.3	1.10	2.352	168.7	396.9	.492
.4900	.8395	185.4	2108.4	35972.	216.5	237.1	1.09	2.353	169.1	398.0	.499
.5000	.8448	183.0	2117.7	35708.	218.8	238.9	1.09	2.354	169.5	399.1	.505
.5100	.8499	180.7	2127.0	35447.	221.0	240.8	1.09	2.356	169.9	400.2	.512
.5200	.8550	178.4	2136.4	35189.	223.2	242.7	1.09	2.357	170.3	401.2	.518
.5300	.8599	176.3	2145.7	34935.	225.5	244.5	1.08	2.358	170.6	402.3	.525
.5400	.8647	174.2	2155.1	34685.	227.9	246.4	1.08	2.359	171.0	403.3	.531
.5500	.8693	172.2	2164.4	34438.	230.0	248.3	1.08	2.360	171.4	404.4	.538
.5600	.8738	170.2	2173.8	34194.	232.2	250.2	1.08	2.361	171.7	405.4	.544
.5700	.8783	168.3	2183.1	33954.	234.5	252.2	1.08	2.362	172.1	406.4	.551
.5800	.8826	166.5	2192.4	33717.	236.8	254.1	1.07	2.363	172.4	407.5	.557
.5900	.8868	164.7	2201.8	33483.	239.1	256.1	1.07	2.364	172.8	408.4	.564
.6000	.8909	163.0	2211.1	33252.	241.4	258.0	1.07	2.365	173.1	409.4	.570
.6100	.8949	161.3	2220.5	33024.	243.7	260.0	1.07	2.366	173.4	410.4	.577
.6200	.8988	159.7	2229.8	32799.	246.1	262.0	1.06	2.367	173.7	411.3	.583
.6300	.9026	158.0	2239.2	32577.	248.4	264.0	1.06	2.368	174.0	412.2	.590
.6400	.9063	156.5	2248.5	32357.	250.7	266.0	1.06	2.369	174.4	413.1	.596
.6500	.9100	154.9	2257.9	32141.	253.1	268.1	1.06	2.370	174.7	414.0	.603
.6600	.9135	153.4	2267.2	31929.	255.5	270.1	1.06	2.371	175.0	414.9	.609
.6700	.9170	152.0	2276.6	31717.	257.9	272.2	1.05	2.373	175.3	415.8	.616
.6800	.9204	150.6	2285.9	31508.	260.2	274.3	1.05	2.373	175.6	416.7	.623
.6900	.9237	149.2	2295.2	31303.	262.7	276.4	1.05	2.374	175.8	417.5	.629
.7000	.9270	147.8	2304.6	31100.	265.1	278.5	1.05	2.375	176.1	418.3	.636
.7100	.9302	146.4	2313.9	30900.	267.5	280.6	1.05	2.376	176.4	419.1	.643
.7200	.9333	145.1	2323.3	30702.	269.9	282.8	1.05	2.377	176.7	420.0	.649
.7300	.9364	143.8	2332.6	30506.	272.4	284.9	1.04	2.378	177.0	420.8	.656
.7400	.9394	142.4	2341.9	30313.	274.9	287.2	1.04	2.379	177.2	421.6	.663
.7500	.9423	141.2	2351.3	30122.	277.3	289.4	1.04	2.380	177.5	422.4	.669
.7600	.9452	139.9	2360.6	29934.	279.8	291.6	1.04	2.381	177.7	423.1	.676
.7700	.9480	138.7	2370.0	29748.	282.3	293.9	1.04	2.382	178.0	423.9	.683
.7800	.9507	137.5	2379.3	29564.	284.8	296.2	1.04	2.383	178.2	424.7	.690
.7900	.9534	136.3	2388.7	29382.	287.4	298.5	1.04	2.383	178.5	425.5	.693
.8000	.9561	135.2	2398.0	29203.	289.9	300.8	1.04	2.384	178.8	426.2	.703
.8100	.9587	134.0	2407.4	29025.	292.5	303.2	1.04	2.385	179.0	426.9	.710
.8200	.9612	132.9	2416.7	28850.	295.1	305.6	1.04	2.386	179.2	427.6	.717
.8300	.9637	131.8	2426.0	28677.	297.9	308.0	1.03	2.387	179.5	428.4	.724
.8400	.9662	130.6	2435.4	28506.	300.3	310.4	1.03	2.387	179.7	429.0	.734
.8500	.9686	129.5	2444.7	28336.	302.9	312.8	1.03	2.388	179.9	429.8	.731
.8600	.9710	128.4	2454.1	28169.	305.5	315.3	1.03	2.389	180.2	430.4	.737
.8700	.9733	127.3	2463.4	28004.	308.2	317.8	1.03	2.390	180.4	431.2	.744
.8800	.9756	126.2	2472.8	27840.	310.8	320.4	1.03	2.391	180.6	431.8	.750
.8900	.9778	125.1	2482.1	27679.	313.5	322.9	1.03	2.391	180.8	432.5	.756
.9000	.9800	124.0	2491.4	27519.	316.3	325.5	1.03	2.392	181.1	433.1	.763
.9100	.9822	116.0	2500.8	27361.	1.9.0	3.8.1	1.03	2.393	181.3	433.8	.769
.9200	.9843	114.9	2510.1	27205.	321.7	330.8	1.03	2.394	181.5	434.4	.777
.9300	.9864	113.8	2519.5	27051.	324.5	333.5	1.03	2.395	181.7	435.1	.782
.9400	.9884	112.8	2528.8	26898.	327.3	336.2	1.03	2.396	181.9	435.7	.788
.9500	.9904	112.0	2538.2	26747.	330.1	338.9	1.03	2.396	182.1	436.3	.794
.9600	.9924	111.1	2547.5	26597.	332.9	341.7	1.03	2.397	182.3	437.0	.800
.9700	.9943	110.1	2556.9	26449.	335.7	344.5	1.03	2.398	182.5	437.5	.807
.9800	.9963	109.2	2566.2	26303.	338.6	347.3	1.03	2.399	182.7	438.1	.813
.9900	.9981	108.3	2575.5	26159.	341.4	350.2	1.03	2.399	182.9	438.7	.819
1.0000	1.0000	107.4	2584.9	26016.	344.3	353.2	1.03	2.400	183.1	439.3	.826

TABLE 5 . SATURATED CRITICAL FLOW PROPERTIES

(PO 17000 KPA (TSAT 625.41 K))

XB	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XE
.0000	0.0000	565.1	1691.7	55132.	122.5	156.8	1.28	2.229	141.0	314.2	.183
.0100	.0436	544.8	1700.3	54708.	124.4	158.6	1.28	2.230	142.0	316.7	.190
.0200	.0880	525.9	1708.9	54284.	126.2	160.4	1.27	2.231	143.0	319.0	.196
.0300	.1276	508.2	1717.5	53860.	128.0	162.1	1.27	2.232	144.0	321.3	.203
.0400	.1647	491.7	1726.1	53437.	129.8	163.8	1.26	2.233	145.0	323.6	.209
.0500	.1993	476.3	1734.7	53014.	131.6	165.6	1.26	2.233	145.9	325.8	.216
.0600	.2319	461.8	1743.3	52594.	133.3	167.3	1.25	2.234	146.8	328.0	.222
.0700	.2628	448.2	1751.9	52175.	135.0	169.0	1.25	2.235	147.7	330.1	.229
.0800	.2918	435.5	1760.5	51760.	136.7	170.6	1.25	2.236	148.6	332.2	.235
.0900	.3187	423.5	1769.1	51345.	139.3	172.2	1.24	2.237	149.4	334.3	.241
.1000	.3445	411.6	1777.7	50935.	141.1	174.2	1.23	2.238	150.2	336.3	.248
.1100	.3690	400.7	1786.3	50528.	143.0	175.9	1.23	2.240	151.0	338.3	.255
.1200	.3921	390.4	1794.9	50124.	144.9	177.5	1.22	2.241	151.8	340.3	.261
.1300	.4141	380.7	1803.5	49724.	146.8	179.2	1.22	2.242	152.6	342.2	.268
.1400	.4350	371.5	1812.1	49326.	148.7	180.8	1.22	2.243	153.4	344.0	.274
.1500	.4550	362.8	1820.7	48936.	150.6	182.5	1.21	2.244	154.1	345.9	.281
.1600	.4740	353.9	1829.3	48547.	152.5	184.2	1.21	2.246	154.9	347.7	.287
.1700	.4921	345.9	1837.9	48163.	154.4	185.8	1.20	2.247	155.6	349.5	.294
.1800	.5094	338.1	1846.5	47783.	156.3	187.5	1.20	2.248	156.3	351.2	.300
.1900	.5260	330.7	1855.1	47407.	158.2	189.1	1.20	2.249	157.0	352.9	.307
.2000	.5418	323.6	1863.7	47036.	160.1	190.8	1.19	2.250	157.6	354.6	.313
.2100	.5570	316.9	1872.3	46668.	162.0	192.4	1.19	2.252	158.2	356.2	.320
.2200	.5716	310.4	1880.9	46303.	163.9	194.0	1.18	2.253	158.8	357.9	.326
.2300	.5856	304.2	1889.5	45944.	165.8	195.7	1.18	2.254	159.4	359.5	.333
.2400	.5990	298.2	1898.1	45589.	167.7	197.3	1.17	2.255	160.0	361.0	.339
.2500	.6119	292.4	1906.7	45242.	169.7	198.9	1.17	2.257	160.6	362.6	.345
.2600	.6244	286.9	1915.3	44896.	171.6	200.6	1.17	2.258	161.3	364.1	.352
.2700	.6363	281.5	1923.9	44554.	173.5	202.2	1.16	2.259	161.8	365.6	.358
.2800	.6478	276.4	1932.5	44217.	175.4	203.8	1.16	2.260	162.4	367.0	.365
.2900	.6590	271.4	1941.1	43884.	177.4	205.5	1.16	2.261	163.0	368.5	.371
.3000	.6697	266.7	1949.7	43555.	179.3	207.1	1.15	2.262	163.5	369.9	.377
.3100	.6800	262.1	1958.3	43230.	181.3	208.7	1.15	2.264	164.0	371.3	.384
.3200	.6900	257.6	1966.9	42909.	183.2	210.4	1.15	2.265	164.5	372.7	.390
.3300	.6995	253.3	1975.5	42592.	185.2	212.0	1.14	2.266	165.1	374.1	.396
.3400	.7090	249.1	1984.1	42280.	187.2	213.6	1.14	2.268	165.6	375.5	.403
.3500	.7181	244.1	1992.7	41971.	189.1	215.3	1.14	2.269	166.1	376.7	.409
.3600	.7268	241.2	2001.3	41666.	191.1	216.9	1.13	2.270	166.5	378.0	.415
.3700	.7353	237.4	2009.9	41365.	193.1	218.5	1.13	2.272	167.0	379.3	.422
.3800	.7434	233.7	2018.5	41068.	195.1	220.1	1.13	2.273	167.5	380.5	.428
.3900	.7515	230.2	2027.1	40774.	197.1	221.7	1.12	2.274	167.9	381.7	.434
.4000	.7593	226.8	2035.7	40485.	199.1	223.3	1.12	2.274	168.4	383.0	.441
.4100	.7668	223.4	2044.3	40199.	201.1	225.0	1.12	2.275	168.8	384.2	.447
.4200	.7740	220.2	2052.9	39916.	203.1	226.6	1.11	2.276	169.3	385.3	.453
.4300	.7811	217.0	2061.4	39638.	205.1	228.2	1.11	2.277	169.7	386.5	.459
.4400	.7880	213.9	2070.0	39362.	207.1	229.8	1.11	2.279	170.1	387.6	.466
.4500	.7947	211.0	2078.6	39090.	209.1	231.4	1.11	2.279	170.5	388.7	.472
.4600	.8012	208.1	2087.2	38822.	211.2	233.1	1.11	2.281	170.9	389.9	.478
.4700	.8076	205.3	2095.8	38557.	213.2	234.7	1.10	2.282	171.3	390.9	.484
.4800	.8139	202.5	2104.4	38295.	215.3	236.3	1.10	2.283	171.7	392.0	.490
.4900	.8197	199.8	2113.0	38036.	217.3	237.8	1.10	2.284	172.1	393.1	.497
.5000	.8255	197.2	2121.6	37781.	219.4	240.5	1.10	2.285	172.5	394.1	.503
.5100	.8312	194.7	2130.2	37529.	221.4	242.3	1.09	2.286	172.9	395.2	.509
.5200	.8367	192.2	2138.8	37280.	223.5	244.0	1.09	2.288	173.3	396.2	.515
.5300	.8421	189.8	2147.4	37034.	225.6	245.8	1.09	2.289	173.6	397.2	.522
.5400	.8474	187.5	2156.0	36791.	227.6	247.5	1.09	2.290	174.0	398.2	.528
.5500	.8525	185.2	2164.6	36551.	229.7	249.3	1.09	2.290	174.3	399.2	.534
.5600	.8576	182.9	2173.2	36314.	231.8	251.1	1.08	2.291	174.7	400.2	.540
.5700	.8625	180.8	2181.8	36080.	233.9	252.8	1.08	2.292	175.0	401.2	.546
.5800	.8672	178.6	2190.4	35848.	236.1	254.7	1.08	2.293	175.4	402.1	.552
.5900	.8719	176.5	2199.0	35620.	238.2	256.5	1.07	2.294	175.7	403.0	.558
.6000	.8765	174.5	2207.6	35394.	240.3	258.3	1.07	2.294	176.0	403.9	.565
.6100	.8809	172.5	2216.2	35171.	242.5	260.1	1.07	2.295	176.3	404.8	.571
.6200	.8853	170.6	2224.8	34950.	244.6	262.0	1.07	2.296	176.7	405.7	.577
.6300	.8896	168.7	2233.4	34732.	246.8	263.7	1.07	2.297	177.0	406.6	.583
.6400	.8937	166.8	2242.0	34516.	248.9	265.7	1.07	2.298	177.3	407.5	.589
.6500	.8978	165.0	2250.6	34304.	251.1	267.6	1.07	2.299	177.6	408.3	.595
.6600	.9018	163.2	2259.2	34094.	253.3	269.5	1.06	2.300	177.9	409.2	.601
.6700	.9057	161.4	2267.8	33886.	255.4	271.4	1.06	2.301	178.2	410.0	.607
.6800	.9095	159.8	2276.4	33681.	257.7	273.3	1.06	2.302	178.5	410.8	.614
.6900	.9133	158.1	2285.0	33478.	259.9	275.2	1.06	2.303	178.8	411.7	.620
.7000	.9169	156.5	2293.6	33277.	262.1	277.2	1.06	2.303	179.1	412.4	.626
.7100	.9205	154.9	2302.2	33078.	264.3	279.2	1.06	2.304	179.3	413.3	.632
.7200	.9240	153.3	2310.8	32882.	266.6	281.2	1.05	2.305	179.6	414.1	.638
.7300	.9275	151.8	2319.4	32688.	268.8	283.2	1.05	2.306	179.8	414.8	.644
.7400	.9309	150.3	2328.0	32496.	271.1	285.2	1.05	2.307	180.1	415.6	.650
.7500	.9342	148.8	2336.6	32307.	273.3	287.2	1.05	2.308	180.4	416.4	.656
.7600	.9374	147.3	2345.2	32119.	275.6	289.3	1.05	2.309	180.7	417.1	.662
.7700	.9406	145.9	2353.8	31934.	277.9	291.3	1.04	2.310	180.9	417.8	.668
.7800	.9437	144.5	2362.4	31751.	280.2	293.4	1.04	2.311	181.2	418.6	.674
.7900	.9468	143.2	2371.0	31569.	282.5	295.5	1.04	2.312	181.4	419.3	.680
.8000	.9498	141.8	2379.6	31390.	284.9	297.6	1.04	2.312	181.7	420.1	.686
.8100	.9528	140.5	2388.2	31213.	287.2	299.8	1.04	2.313	182.0	420.8	.692
.8200	.9557	139.2	2396.8	31037.	289.6	301.9	1.04	2.314	182.2	421.5	.698
.8300	.9585	137.9	2405.4	30864.	291.9	304.1	1.04	2.314	182.4	422.2	.704
.8400	.9613	136.7	2414.0	30692.	294.3	306.3	1.04	2.315	182.7	422.8	.710
.8500	.9640	135.5	2422.6	30522.	296.7	308.5	1.04	2.315	182.9	423.5	.717
.8600	.9667	134.3	2431.2	30354.	299.1	310.7	1.04	2.316	183.1	424.2	.723
.8700	.9694	133.2	2439.8	30188.	301.5	313.0	1.04	2.317	183.4	424.9	.729
.8800	.9720	132.0	2448.4	30024.	303.9	315.3	1.04	2.318	183.6	425.5	.735
.8900	.9745	130.8	2457.0	29861.	306.4	317.5	1.04	2.318	183.8	426.2	.741
.9000	.9771	129.7	2465.6	29700.	308.8	319.9	1.04	2.319	184.0	426.8	.747
.9100	.9795	128.6	2474.2	29541.	311.3	322.2	1.04	2.320	184.3	427.5	.753
.9200	.9819	127.4	2482.8	29383.	313.7	324.6	1.03	2.321	184.5	428.1	.759
.9300	.9843	126.4	2491.4	29227.	316.2	327.0	1.03	2.322	184.7	428.7	.765
.9400	.9867	125.4	2500.0	29073.	318.6	329.4	1.03	2.323	184.9	429.3	.771
.9500	.9890	124.4	2508.6	28920.	321.1	331.8	1.03	2.323	185.1	430.0	.776
.9600	.9913	123.4	2517.2	28769.	323.6	334.3	1.03	2.323	185.3	430.5	.782
.9700	.9936	122.4	2525.8	28619.	326.0	336.8	1.03	2.324	185.5	431.1	.788
.9800	.9957	121.4	2534.4	28471.	328.5	339.3	1.03	2.325	185.7	431.8	.794
.9900	.9979	120.4	2543.0	28324.	331.0	341.9	1.03	2.325	185.9	432.3	.800
1.0000	1.0000	119.5	2551.6	28179.	334.1	344.4	1.03	2.326	186.1	432.9	.806

TABLE 5 . SATURATED CRITICAL FLOW PROPERTIES

(PO 18000 KPA (TSAT 630.11 K))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	543.5	1734.8	55867.	130.8	164.7	1.26	2.168	146.8	318.2	.202
.0100	.0395	527.3	1742.6	55481.	132.5	166.3	1.25	2.169	147.6	320.2	.208
.0200	.0768	512.0	1750.4	55096.	134.2	167.9	1.25	2.170	148.5	322.2	.214
.0300	.1119	497.6	1758.2	54711.	135.9	169.5	1.24	2.171	149.4	324.2	.220
.0400	.1452	484.0	1766.0	54326.	137.7	171.1	1.24	2.172	150.2	326.1	.226
.0500	.1766	471.1	1773.8	53947.	139.4	172.7	1.24	2.173	151.0	328.0	.232
.0600	.2064	458.9	1781.6	53567.	141.1	174.2	1.24	2.173	151.8	329.9	.239
.0700	.2347	447.2	1789.4	53188.	142.8	175.8	1.23	2.174	152.6	331.5	.245
.0800	.2616	436.1	1797.1	52811.	144.6	177.4	1.23	2.175	153.4	333.1	.251
.0900	.2873	425.5	1804.9	52440.	146.2	178.9	1.22	2.176	154.1	334.7	.257
.1000	.3117	415.7	1812.7	52066.	148.0	180.5	1.22	2.177	154.8	336.0	.263
.1100	.3350	406.1	1820.5	51702.	149.7	182.0	1.22	2.178	155.5	337.4	.269
.1200	.3572	397.1	1828.3	51337.	151.4	183.6	1.21	2.179	156.2	338.7	.275
.1300	.3784	388.6	1836.1	50974.	153.1	185.1	1.21	2.180	156.9	340.0	.281
.1400	.3988	379.9	1843.9	50615.	154.8	186.6	1.20	2.181	157.6	341.3	.287
.1500	.4183	371.9	1851.7	50260.	156.6	188.2	1.20	2.182	158.3	342.5	.293
.1600	.4370	364.3	1859.5	49908.	158.3	189.7	1.20	2.183	158.9	343.9	.299
.1700	.4549	356.9	1867.3	49559.	160.1	191.2	1.19	2.184	159.6	345.0	.305
.1800	.4722	349.9	1875.2	49213.	161.8	192.7	1.19	2.185	160.2	346.2	.311
.1900	.4887	343.2	1883.0	48869.	163.6	194.2	1.19	2.186	160.8	347.4	.317
.2000	.5047	336.5	1890.8	48531.	165.3	195.7	1.18	2.187	161.4	348.5	.323
.2100	.5200	330.2	1898.6	48196.	167.1	197.3	1.18	2.188	162.0	349.5	.329
.2200	.5348	324.2	1906.4	47863.	168.8	198.8	1.18	2.189	162.6	350.6	.335
.2300	.5490	318.4	1914.2	47533.	170.6	200.3	1.17	2.191	163.2	351.7	.341
.2400	.5627	312.7	1922.0	47209.	172.4	201.8	1.17	2.192	163.7	352.7	.347
.2500	.5760	307.3	1929.8	46888.	174.1	203.3	1.17	2.193	164.2	353.7	.353
.2600	.5888	302.0	1937.6	46569.	175.9	204.8	1.16	2.194	164.8	354.7	.359
.2700	.6012	297.0	1945.4	46254.	177.7	206.3	1.16	2.195	165.3	355.7	.365
.2800	.6131	292.1	1953.2	45943.	179.4	207.8	1.16	2.196	165.8	356.7	.371
.2900	.6247	287.3	1961.0	45635.	181.2	209.3	1.15	2.197	166.3	357.6	.377
.3000	.6359	282.7	1968.8	45330.	183.0	210.9	1.15	2.198	166.8	358.5	.383
.3100	.6468	278.3	1976.6	45029.	184.8	212.4	1.15	2.199	167.3	359.4	.389
.3200	.6573	273.9	1984.4	44730.	186.6	213.9	1.15	2.200	167.8	360.2	.395
.3300	.6675	269.8	1992.1	44436.	188.4	215.4	1.14	2.201	168.3	361.1	.401
.3400	.6773	265.7	1999.9	44144.	190.2	216.9	1.14	2.202	168.8	361.9	.407
.3500	.6869	261.8	2007.5	43856.	192.0	218.4	1.14	2.203	169.2	362.8	.412
.3600	.6963	258.0	2015.3	43571.	193.8	220.0	1.14	2.204	169.7	363.6	.418
.3700	.7053	254.2	2023.1	43289.	195.6	221.5	1.13	2.205	170.1	364.4	.424
.3800	.7141	250.6	2030.9	43011.	197.4	223.0	1.13	2.206	170.6	365.3	.430
.3900	.7226	247.1	2038.7	42735.	199.2	224.5	1.13	2.207	171.0	366.1	.436
.4000	.7309	243.7	2046.4	42463.	201.1	226.1	1.12	2.208	171.4	366.9	.442
.4100	.7390	240.4	2054.2	42193.	202.9	227.6	1.12	2.209	171.9	367.7	.448
.4200	.7469	237.2	2062.0	41927.	204.7	229.2	1.12	2.210	172.3	368.4	.454
.4300	.7546	234.0	2069.8	41664.	206.6	230.7	1.11	2.211	172.7	369.2	.459
.4400	.7620	231.0	2077.6	41403.	208.4	232.3	1.11	2.212	173.1	369.9	.465
.4500	.7693	228.0	2085.4	41146.	210.3	233.8	1.11	2.213	173.5	370.6	.471
.4600	.7764	225.1	2093.2	40891.	212.1	235.4	1.11	2.214	173.9	371.3	.477
.4700	.7833	222.3	2101.0	40639.	214.0	236.9	1.11	2.215	174.2	372.0	.483
.4800	.7900	219.6	2108.8	40390.	215.8	238.5	1.10	2.216	174.6	372.7	.488
.4900	.7966	216.9	2116.6	40144.	217.7	240.1	1.10	2.217	175.0	373.4	.494
.5000	.8030	214.2	2124.4	39901.	219.6	241.7	1.10	2.218	175.4	374.0	.500
.5100	.8092	211.6	2132.1	39660.	221.5	243.3	1.10	2.219	175.7	374.7	.506
.5200	.8153	209.1	2139.9	39422.	223.4	244.9	1.09	2.220	176.1	375.3	.512
.5300	.8213	206.7	2147.7	39186.	225.3	246.4	1.09	2.221	176.4	375.9	.517
.5400	.8271	204.3	2155.5	38951.	227.2	248.0	1.09	2.222	176.7	376.5	.523
.5500	.8328	202.0	2163.3	38723.	229.0	249.6	1.09	2.223	177.1	377.1	.529
.5600	.8384	199.7	2171.1	38495.	231.0	251.4	1.09	2.223	177.4	377.6	.535
.5700	.8438	197.4	2178.9	38269.	232.9	253.0	1.08	2.224	177.8	378.2	.540
.5800	.8491	195.3	2186.7	38047.	234.8	254.7	1.08	2.225	178.1	378.7	.546
.5900	.8543	193.1	2194.5	37826.	236.7	256.3	1.08	2.226	178.4	379.2	.552
.6000	.8594	191.0	2202.3	37608.	238.7	258.0	1.08	2.227	178.7	379.8	.558
.6100	.8644	189.0	2210.1	37392.	240.6	259.7	1.08	2.228	179.0	380.3	.563
.6200	.8693	187.0	2217.8	37179.	242.5	261.4	1.08	2.228	179.4	380.7	.569
.6300	.8740	185.0	2225.6	36967.	244.5	263.0	1.08	2.229	179.7	381.2	.575
.6400	.8787	183.1	2233.4	36758.	246.5	264.8	1.07	2.230	180.0	381.7	.581
.6500	.8833	181.2	2241.2	36552.	248.4	266.5	1.07	2.231	180.3	382.2	.586
.6600	.8878	179.4	2249.0	36347.	250.4	268.2	1.07	2.232	180.6	382.6	.592
.6700	.8922	177.6	2256.8	36145.	252.4	269.9	1.07	2.233	180.9	383.1	.598
.6800	.8965	175.8	2264.6	35945.	254.4	271.6	1.07	2.234	181.1	383.5	.603
.6900	.9007	174.1	2272.4	35746.	256.4	273.4	1.07	2.234	181.4	384.0	.609
.7000	.9049	172.4	2280.2	35550.	258.4	275.2	1.06	2.235	181.7	384.4	.615
.7100	.9089	170.7	2288.0	35356.	260.4	276.9	1.06	2.236	182.0	384.9	.620
.7200	.9129	169.1	2295.8	35164.	262.4	278.7	1.06	2.237	182.3	385.3	.626
.7300	.9168	167.5	2303.5	34974.	264.4	280.5	1.06	2.237	182.6	385.7	.632
.7400	.9206	165.9	2311.3	34786.	266.5	282.3	1.06	2.238	182.8	386.1	.637
.7500	.9244	164.4	2319.1	34600.	268.5	284.2	1.06	2.239	183.0	386.5	.643
.7600	.9281	162.9	2326.9	34415.	270.6	286.0	1.05	2.240	183.3	386.9	.649
.7700	.9317	161.4	2334.7	34233.	272.6	287.8	1.05	2.240	183.6	387.2	.654
.7800	.9353	159.9	2342.5	34052.	274.7	289.7	1.05	2.241	183.8	387.6	.660
.7900	.9388	158.5	2350.3	33874.	276.8	291.6	1.05	2.242	184.1	387.9	.666
.8000	.9422	157.1	2358.1	33697.	278.9	293.5	1.05	2.243	184.3	388.3	.671
.8100	.9456	155.7	2365.9	33522.	281.0	295.4	1.05	2.243	184.6	388.6	.677
.8200	.9489	154.3	2373.7	33348.	283.1	297.3	1.05	2.244	184.8	388.9	.683
.8300	.9521	153.0	2381.4	33176.	285.3	299.2	1.05	2.245	185.0	389.3	.688
.8400	.9553	151.7	2389.2	33006.	287.3	301.2	1.05	2.246	185.3	389.6	.694
.8500	.9585	150.4	2397.0	32838.	289.5	303.1	1.05	2.246	185.5	389.9	.699
.8600	.9616	149.1	2404.8	32671.	291.6	305.1	1.05	2.247	185.7	390.2	.705
.8700	.9646	147.9	2412.6	32506.	293.8	307.1	1.04	2.248	186.0	390.5	.711
.8800	.9676	146.7	2420.4	32343.	295.9	309.1	1.04	2.248	186.2	390.8	.716
.8900	.9706	145.4	2428.2	32181.	298.1	311.1	1.04	2.249	186.4	391.2	.722
.9000	.9735	144.3	2436.0	32021.	300.3	313.2	1.04	2.250	186.6	391.4	.727
.9100	.9763	143.1	2443.8	31862.	302.5	315.2	1.04	2.250	186.8	391.7	.733
.9200	.9791	141.9	2451.6	31705.	304.7	317.3	1.04	2.251	187.1	392.0	.739
.9300	.9819	140.8	2459.4	31549.	306.9	319.4	1.04	2.252	187.2	392.3	.744
.9400	.9846	139.7	2467.2	31395.	309.1	321.5	1.04	2.252	187.4	392.5	.750
.9500	.9872	138.6	2474.9	31242.	311.4	323.7	1.04	2.253	187.7	392.8	.755
.9600	.9899	137.5	2482.7	31090.	313.6	325.8	1.04	2.254	187.9	393.0	.761
.9700	.9925	136.5	2490.5	30941.	315.9	328.0	1.04	2.254	188.1	393.3	.767
.9800	.9950	135.4	2498.3	30792.	318.1	330.2	1.04	2.255	188.3	393.5	.772
.9900	.9975	134.4	2506.1	30645.	320.4	332.4	1.04	2.255	188.5	393.7	.778
1.0000	1.0000	133.4	2513.9	30499.	322.7	334.6	1.04	2.255	188.7	393.8	.783

TABLE 5 . SATURATED CRITICAL FLOW PROPERTIES

(PO 19000 KPA (TSAT 634.58 K))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	519.2	1778.7	58464.	139.5	172.8	1.24	2.110	152.5	321.9	.223
.0100	.0328	506.7	1785.0	58172.	141.0	174.2	1:24	2.111	153.2	323.5	.229
.0200	.0661	494.8	1792.5	57930.	142.6	175.9	1:24	2.113	154.0	325.2	.234
.0300	.0998	483.4	1799.4	57440.	144.2	177.5	1:23	2.113	154.9	326.8	.240
.0400	.1262	472.6	1806.3	57101.	145.7	178.9	1:23	2.114	155.4	328.5	.245
.0500	.1543	462.2	1813.3	56764.	147.2	180.4	1:22	2.114	156.1	330.1	.251
.0600	.1812	452.3	1820.2	56429.	148.7	181.3	1:22	2.115	156.8	331.6	.257
.0700	.2090	442.7	1827.1	56095.	150.3	183.7	1:22	2.116	157.5	333.2	.262
.0800	.2366	433.6	1834.0	55763.	151.8	185.2	1:22	2.116	158.2	334.7	.268
.0900	.2643	424.9	1840.9	55433.	153.4	186.7	1:21	2.117	158.9	336.2	.273
.1000	.2781	416.5	1847.8	55106.	154.9	188.2	1:21	2.119	159.4	337.7	.279
.1100	.3000	408.4	1854.8	52780.	156.5	188.3	1:20	2.119	160.0	339.1	.284
.1200	.3210	400.6	1861.7	52457.	158.0	189.7	1:20	2.120	160.6	340.6	.290
.1300	.3415	393.0	1868.6	52136.	159.6	191.2	1:20	2.121	161.2	342.0	.295
.1400	.3608	385.7	1875.5	51818.	161.2	192.6	1:19	2.123	161.8	343.4	.301
.1500	.3796	378.6	1882.4	51502.	162.7	193.8	1:19	2.123	162.4	344.8	.306
.1600	.3977	372.3	1889.4	51189.	164.3	195.2	1:19	2.124	163.0	346.1	.312
.1700	.4152	365.8	1896.3	50878.	165.8	196.6	1:18	2.125	163.6	347.5	.317
.1800	.4322	359.5	1903.2	50570.	167.4	197.9	1:18	2.127	164.2	348.8	.323
.1900	.4488	353.5	1910.1	50265.	169.0	199.3	1:18	2.129	164.8	350.1	.328
.2000	.4643	347.7	1917.0	49962.	170.6	200.7	1:18	2.129	165.2	351.4	.334
.2100	.4796	342.0	1924.0	49661.	172.1	202.0	1:17	2.128	165.7	352.6	.339
.2200	.4944	336.5	1930.9	49364.	173.7	203.4	1:17	2.129	166.2	353.9	.345
.2300	.5087	331.2	1937.8	49069.	175.3	204.7	1:17	2.130	166.7	355.1	.350
.2400	.5226	326.1	1944.7	48776.	176.9	206.1	1:16	2.132	167.2	356.3	.356
.2500	.5361	321.1	1951.6	48449.	178.5	207.4	1:16	2.132	167.7	357.5	.361
.2600	.5492	316.3	1958.6	48200.	180.1	208.9	1:16	2.133	168.2	358.7	.367
.2700	.5618	311.6	1965.5	47914.	181.6	210.2	1:16	2.134	168.7	359.9	.372
.2800	.5742	307.1	1972.4	47634.	183.2	211.6	1:15	2.135	169.1	361.0	.378
.2900	.5861	302.7	1979.3	47355.	184.8	213.0	1:15	2.136	169.6	362.2	.383
.3000	.5977	298.4	1986.2	47079.	186.4	214.3	1:15	2.136	170.1	363.3	.388
.3100	.6090	294.2	1993.2	46805.	188.0	215.7	1:15	2.137	170.5	364.4	.394
.3200	.6200	290.2	2000.1	46534.	189.6	217.1	1:14	2.138	171.0	365.5	.399
.3300	.6307	286.2	2007.0	46264.	191.2	218.4	1:14	2.139	171.4	366.6	.405
.3400	.6411	282.4	2013.9	45996.	192.8	219.8	1:14	2.140	171.8	367.7	.410
.3500	.6512	278.6	2020.8	45730.	194.4	221.2	1:14	2.141	172.2	368.8	.415
.3600	.6610	275.0	2027.8	45475.	196.1	222.6	1:14	2.142	172.7	369.8	.421
.3700	.6706	271.4	2034.7	45217.	197.7	224.0	1:13	2.143	173.1	370.9	.426
.3800	.6800	268.0	2041.6	44960.	199.4	225.4	1:13	2.144	173.5	371.9	.432
.3900	.6891	264.6	2048.5	44705.	201.0	226.7	1:13	2.145	173.9	373.0	.437
.4000	.6980	261.3	2055.4	44457.	202.6	228.1	1:13	2.145	174.3	374.0	.442
.4100	.7067	258.1	2062.4	44208.	204.3	229.5	1:12	2.146	174.7	374.9	.448
.4200	.7151	255.0	2069.3	43963.	205.9	230.9	1:12	2.147	175.0	375.8	.453
.4300	.7234	251.9	2076.2	43718.	207.5	232.3	1:12	2.148	175.4	376.8	.458
.4400	.7315	249.0	2083.1	43477.	209.2	233.7	1:12	2.149	175.8	377.7	.464
.4500	.7394	246.1	2090.0	43234.	210.8	235.1	1:12	2.150	176.2	378.7	.469
.4600	.7471	243.2	2097.0	43002.	212.5	236.6	1:11	2.150	176.5	379.5	.474
.4700	.7546	240.4	2103.9	42761.	214.2	238.0	1:11	2.151	176.9	380.5	.480
.4800	.7619	237.7	2110.8	42535.	215.8	239.4	1:11	2.153	177.4	381.3	.485
.4900	.7691	235.1	2117.7	42305.	217.5	240.8	1:11	2.154	177.9	382.3	.490
.5000	.7761	232.4	2124.6	42078.	219.2	242.2	1:11	2.154	177.9	383.1	.496
.5100	.7830	229.9	2131.6	41853.	220.9	243.7	1:10	2.155	178.3	384.1	.501
.5200	.7897	227.4	2138.5	41630.	222.5	245.1	1:10	2.156	178.7	384.9	.506
.5300	.7963	224.9	2145.4	41409.	224.2	246.6	1:10	2.157	179.1	385.8	.511
.5400	.8028	222.6	2152.3	41190.	225.9	248.0	1:10	2.158	179.5	386.7	.517
.5500	.8091	220.3	2159.2	40973.	227.6	249.5	1:10	2.158	179.5	387.5	.522
.5600	.8152	218.0	2166.2	40758.	229.3	250.9	1:09	2.159	179.9	388.4	.527
.5700	.8213	215.8	2173.1	40545.	231.0	252.4	1:09	2.160	180.3	389.2	.533
.5800	.8272	213.6	2180.0	40335.	232.7	253.9	1:09	2.161	180.8	390.0	.538
.5900	.8330	211.4	2186.9	40126.	234.4	255.3	1:09	2.161	180.8	390.8	.543
.6000	.8387	209.3	2193.9	39920.	236.2	256.8	1:09	2.162	181.1	391.6	.548
.6100	.8443	207.3	2200.8	39715.	237.9	258.3	1:09	2.163	181.4	392.4	.554
.6200	.8498	205.3	2207.7	39512.	239.6	259.8	1:08	2.163	181.9	393.2	.559
.6300	.8551	203.3	2214.6	39311.	241.3	261.3	1:08	2.164	182.3	393.9	.564
.6400	.8604	201.4	2221.6	39113.	243.1	262.8	1:08	2.165	182.6	394.7	.569
.6500	.8656	199.4	2228.4	38916.	244.8	264.4	1:08	2.166	182.9	395.4	.575
.6600	.8706	197.5	2235.4	38720.	246.6	265.9	1:08	2.166	183.2	396.2	.580
.6700	.8756	195.6	2242.3	38527.	248.3	267.4	1:08	2.167	183.7	396.9	.585
.6800	.8805	193.8	2249.2	38335.	250.1	269.0	1:08	2.168	183.7	397.7	.590
.6900	.8853	192.1	2256.1	38145.	251.8	270.5	1:07	2.169	184.3	398.3	.595
.7000	.8900	190.4	2263.0	37958.	253.6	272.1	1:07	2.169	184.0	399.1	.601
.7100	.8946	188.7	2270.0	37772.	255.4	273.6	1:07	2.170	184.2	399.8	.606
.7200	.8991	187.0	2276.9	37587.	257.2	275.2	1:07	2.171	184.5	400.5	.611
.7300	.9036	185.4	2283.8	37404.	259.0	276.8	1:07	2.172	184.8	401.2	.616
.7400	.9080	183.8	2290.7	37223.	260.8	278.4	1:07	2.173	185.0	401.9	.621
.7500	.9123	182.2	2297.6	37043.	262.6	280.0	1:07	2.173	185.3	402.6	.627
.7600	.9165	180.6	2304.6	36866.	264.4	281.6	1:07	2.173	185.5	403.2	.632
.7700	.9207	179.1	2311.5	36689.	266.2	283.2	1:06	2.174	185.8	403.9	.637
.7800	.9248	177.6	2318.4	36515.	268.0	284.8	1:06	2.175	186.0	404.6	.642
.7900	.9288	176.1	2325.3	36341.	269.8	286.5	1:06	2.175	186.3	405.2	.647
.8000	.9327	174.6	2332.2	36170.	271.7	288.1	1:06	2.176	186.5	405.8	.653
.8100	.9366	173.2	2339.2	36000.	273.5	289.8	1:06	2.177	186.8	406.5	.658
.8200	.9404	171.8	2346.1	35831.	275.4	291.4	1:06	2.178	187.0	407.1	.663
.8300	.9442	170.4	2353.0	35664.	277.2	293.1	1:06	2.179	187.2	407.8	.668
.8400	.9479	169.0	2359.9	35499.	279.0	294.8	1:06	2.180	187.5	408.4	.673
.8500	.9516	167.7	2366.8	35335.	280.9	296.5	1:06	2.180	187.7	409.1	.679
.8600	.9552	166.3	2373.7	35177.	282.8	298.2	1:05	2.180	187.9	409.7	.683
.8700	.9587	165.0	2380.7	35011.	284.7	300.0	1:05	2.182	188.1	410.3	.689
.8800	.9622	163.7	2387.6	34851.	286.6	301.7	1:05	2.182	188.4	410.9	.694
.8900	.9656	162.5	2394.4	34693.	288.5	303.4	1:05	2.183	188.6	411.5	.699
.9000	.9689	161.2	2401.4	34536.	290.4	305.2	1:05	2.183	188.9	412.1	.704
.9100	.9723	160.0	2408.3	34380.	292.3	307.0	1:05	2.184	189.0	412.7	.709
.9200	.9756	158.8	2415.2	34225.	294.3	308.8	1:05	2.184	189.2	413.3	.714
.9300	.9788	157.6	2422.2	34073.	296.2	310.6	1:05	2.185	189.4	413.8	.719
.9400	.9819	156.4	2429.1	33922.	298.1	312.4	1:05	2.185	189.6	414.4	.724
.9500	.9850	155.3	2436.0	33771.	300.0	314.2	1:05	2.186	189.8	415.0	.730
.9600	.9881	154.1	2442.9	33622.	302.0	316.0	1:05	2.186	190.0	415.5	.735
.9700	.9912	153.0	2449.9	33474.	303.9	317.9	1:05	2.187	190.2	416.1	.740
.9800	.9941	151.9	2456.8	33328.	305.9	319.8	1:05	2.187	190.4	416.6	.745
.9900	.9971	150.8	2463.7	33183.	307.9	321.6	1:04	2.188	190.6	417.1	.750
1.0000	1.0000	149.8	2470.6	33039.	309.9	323.5	1:04	2.189	190.8	417.7	.755

TABLE 5. SATURATED CRITICAL FLOW PROPERTIES

(P0 20000 KPA (TSAT 638.85 K))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	490.9	1826.5	56785.	149.3	181.9	1.22	2.056	158.6	326.1	.249
.0100	.0283	481.8	1832.4	56495.	150.6	183.1	1.22	2.057	159.2	327.4	.254
.0200	.0546	473.1	1838.3	56204.	151.8	184.3	1.21	2.057	159.8	328.7	.259
.0300	.0819	464.6	1844.2	55914.	153.1	185.6	1.21	2.057	160.4	330.0	.264
.0400	.1073	456.5	1850.1	55624.	154.4	186.8	1.21	2.058	161.0	331.3	.269
.0500	.1318	448.6	1856.1	55343.	155.6	188.0	1.21	2.059	161.5	332.6	.274
.0600	.1555	441.0	1862.0	55059.	156.9	189.2	1.20	2.060	162.1	333.8	.279
.0700	.1784	433.6	1867.9	54779.	158.1	190.4	1.20	2.060	162.7	335.0	.284
.0800	.2005	426.4	1873.8	54499.	159.3	191.6	1.20	2.061	163.2	336.2	.288
.0900	.2220	419.5	1879.7	54214.	160.5	192.8	1.20	2.062	163.8	337.4	.293
.1000	.2427	413.1	1885.7	53937.	161.7	194.0	1.19	2.062	164.2	338.7	.298
.1100	.2628	406.6	1891.6	53661.	164.0	195.2	1.19	2.063	164.7	339.9	.303
.1200	.2823	400.4	1897.5	53384.	165.2	196.4	1.19	2.064	165.2	341.1	.308
.1300	.3012	394.3	1903.4	53113.	166.4	197.6	1.19	2.065	165.7	342.3	.313
.1400	.3196	388.4	1909.3	52842.	167.6	198.8	1.18	2.065	166.2	343.5	.318
.1500	.3374	382.7	1915.3	52573.	168.8	200.0	1.18	2.066	166.7	344.9	.322
.1600	.3546	377.2	1921.2	52305.	170.0	201.2	1.18	2.067	167.2	345.9	.327
.1700	.3714	371.8	1927.1	52040.	171.2	202.4	1.18	2.068	167.7	347.0	.332
.1800	.3877	366.5	1933.0	51776.	172.4	203.6	1.17	2.069	168.1	348.1	.337
.1900	.4036	361.5	1938.9	51514.	173.5	204.8	1.17	2.069	168.6	349.2	.342
.2000	.4190	356.5	1944.8	51254.	174.7	206.0	1.17	2.070	169.1	350.3	.347
.2100	.4340	351.7	1950.8	50996.	175.9	207.2	1.17	2.071	169.5	351.4	.351
.2200	.4486	347.0	1956.7	50740.	177.0	208.3	1.17	2.071	169.9	352.5	.356
.2300	.4629	342.4	1962.6	50486.	178.2	209.5	1.16	2.072	170.4	353.6	.361
.2400	.4767	338.0	1968.5	50233.	179.3	210.7	1.16	2.073	170.8	354.7	.366
.2500	.4902	333.7	1974.4	49983.	180.5	211.9	1.16	2.074	171.2	355.8	.371
.2600	.5034	329.5	1980.4	49735.	181.6	213.1	1.16	2.074	171.6	356.9	.376
.2700	.5162	325.5	1986.3	49488.	182.8	214.2	1.15	2.074	172.0	357.9	.380
.2800	.5287	321.5	1992.2	49243.	183.9	215.4	1.15	2.075	172.4	358.9	.385
.2900	.5409	317.6	1998.1	49001.	185.0	216.5	1.15	2.076	172.9	359.9	.390
.3000	.5528	313.8	2004.0	48760.	186.2	217.7	1.15	2.077	173.3	360.9	.394
.3100	.5645	309.9	2010.0	48521.	187.3	218.8	1.14	2.078	173.7	361.9	.399
.3200	.5758	306.2	2015.9	48284.	188.4	220.0	1.14	2.079	174.1	362.9	.404
.3300	.5869	302.5	2021.8	48049.	189.5	221.1	1.14	2.080	174.5	363.9	.408
.3400	.5978	298.9	2027.7	47815.	190.6	222.2	1.14	2.081	174.9	364.9	.413
.3500	.6084	295.4	2033.6	47584.	191.9	223.4	1.14	2.081	175.3	365.9	.418
.3600	.6187	292.0	2039.6	47354.	193.0	224.5	1.14	2.082	175.7	366.9	.423
.3700	.6288	288.7	2045.5	47127.	194.1	225.6	1.13	2.083	176.1	367.8	.428
.3800	.6387	285.4	2051.4	46901.	195.2	226.7	1.13	2.084	176.4	368.8	.433
.3900	.6484	282.2	2057.3	46677.	196.3	227.8	1.13	2.084	176.8	369.8	.438
.4000	.6579	279.0	2063.2	46455.	197.4	229.0	1.13	2.085	177.2	370.8	.442
.4100	.6672	276.0	2069.1	46234.	198.5	230.1	1.13	2.086	177.6	371.8	.447
.4200	.6763	273.0	2075.0	46016.	199.6	231.2	1.13	2.087	177.9	372.8	.452
.4300	.6852	270.1	2080.9	45798.	200.7	232.3	1.12	2.088	178.3	373.8	.456
.4400	.6939	267.4	2086.8	45584.	201.8	233.4	1.12	2.088	178.7	374.8	.461
.4500	.7024	264.6	2092.8	45370.	202.9	234.5	1.12	2.089	179.0	375.8	.466
.4600	.7108	262.0	2098.7	45159.	204.0	235.6	1.12	2.090	179.4	376.8	.471
.4700	.7190	259.4	2104.6	44949.	205.1	236.7	1.12	2.090	179.8	377.8	.475
.4800	.7270	256.9	2110.5	44741.	206.2	237.8	1.11	2.091	180.1	378.8	.480
.4900	.7349	254.5	2116.5	44534.	207.3	238.9	1.11	2.092	180.5	379.8	.485
.5000	.7426	252.1	2122.4	44330.	208.4	240.0	1.11	2.092	180.8	380.8	.490
.5100	.7502	249.8	2128.3	44126.	209.5	241.1	1.11	2.093	181.2	381.8	.494
.5200	.7576	247.5	2134.3	43925.	210.6	242.2	1.11	2.094	181.5	382.8	.499
.5300	.7649	245.3	2140.2	43725.	211.7	243.3	1.11	2.094	181.9	383.8	.504
.5400	.7720	243.1	2146.1	43527.	212.8	244.4	1.10	2.095	182.2	384.8	.508
.5500	.7791	241.0	2152.0	43330.	213.9	245.5	1.10	2.096	182.6	385.8	.513
.5600	.7859	238.8	2157.9	43135.	215.0	246.6	1.10	2.096	182.9	386.8	.517
.5700	.7927	236.7	2163.8	42942.	216.1	247.7	1.10	2.097	183.3	387.8	.522
.5800	.7994	234.5	2169.8	42750.	217.2	248.8	1.10	2.098	183.6	388.8	.526
.5900	.8059	232.4	2175.7	42560.	218.3	249.9	1.09	2.098	183.9	389.8	.531
.6000	.8123	230.4	2181.6	42371.	219.4	251.0	1.09	2.099	184.3	390.8	.535
.6100	.8186	228.4	2187.5	42184.	220.5	252.1	1.09	2.100	184.6	391.8	.541
.6200	.8248	226.4	2193.4	41998.	221.6	253.2	1.09	2.101	184.9	392.8	.545
.6300	.8309	224.4	2199.4	41814.	222.7	254.3	1.09	2.101	185.2	393.8	.550
.6400	.8368	222.5	2205.3	41631.	223.8	255.4	1.09	2.102	185.5	394.8	.555
.6500	.8427	220.6	2211.2	41450.	224.9	256.5	1.09	2.102	185.8	395.8	.559
.6600	.8485	218.8	2217.1	41270.	226.0	257.6	1.09	2.103	186.1	396.8	.564
.6700	.8542	216.9	2223.0	41092.	227.1	258.7	1.09	2.104	186.4	397.8	.568
.6800	.8598	215.1	2228.9	40915.	228.2	259.8	1.08	2.104	186.7	398.8	.573
.6900	.8653	213.4	2234.9	40739.	229.3	260.9	1.08	2.105	186.9	399.8	.577
.7000	.8707	211.7	2240.8	40565.	230.4	262.0	1.08	2.106	187.2	400.8	.582
.7100	.8760	209.9	2246.7	40392.	231.5	263.1	1.08	2.106	187.5	401.8	.587
.7200	.8812	208.3	2252.6	40221.	232.6	264.2	1.08	2.107	187.8	402.8	.591
.7300	.8864	206.6	2258.5	40052.	233.7	265.3	1.08	2.108	188.1	403.8	.596
.7400	.8914	205.0	2264.5	39884.	234.8	266.4	1.08	2.108	188.4	404.8	.601
.7500	.8964	203.4	2270.4	39718.	235.9	267.5	1.08	2.109	188.7	405.8	.605
.7600	.9013	201.8	2276.3	39553.	237.0	268.6	1.08	2.109	188.9	406.8	.610
.7700	.9062	200.2	2282.2	39389.	238.1	269.7	1.07	2.110	189.2	407.8	.614
.7800	.9109	198.7	2288.1	39226.	239.2	270.8	1.07	2.111	189.5	408.8	.619
.7900	.9156	197.2	2294.1	39065.	240.3	271.9	1.07	2.111	189.8	409.8	.624
.8000	.9203	195.7	2300.0	38905.	241.4	273.0	1.07	2.112	190.1	410.8	.628
.8100	.9248	194.3	2305.9	38747.	242.5	274.1	1.07	2.113	190.4	411.8	.633
.8200	.9293	192.8	2311.8	38590.	243.6	275.2	1.07	2.113	190.7	412.8	.637
.8300	.9337	191.4	2317.7	38433.	244.7	276.3	1.07	2.114	190.9	413.8	.642
.8400	.9381	190.0	2323.7	38278.	245.8	277.4	1.07	2.114	191.2	414.8	.646
.8500	.9424	188.7	2329.6	38123.	246.9	278.5	1.07	2.115	191.5	415.8	.651
.8600	.9466	187.3	2335.5	37969.	248.0	279.6	1.06	2.115	191.7	416.8	.655
.8700	.9508	186.0	2341.4	37816.	249.1	280.7	1.06	2.116	192.0	417.8	.660
.8800	.9549	184.7	2347.3	37663.	250.2	281.8	1.06	2.117	192.3	418.8	.665
.8900	.9589	183.3	2353.2	37512.	251.3	282.9	1.06	2.117	192.5	419.8	.669
.9000	.9629	182.1	2359.2	37361.	252.4	284.0	1.06	2.118	192.8	420.8	.674
.9100	.9669	180.8	2365.1	37212.	253.5	285.1	1.06	2.118	193.0	421.8	.678
.9200	.9707	179.6	2371.0	37063.	254.6	286.2	1.06	2.119	193.3	422.8	.683
.9300	.9746	178.3	2376.9	36915.	255.7	287.3	1.06	2.119	193.5	423.8	.687
.9400	.9784	177.1	2382.8	36768.	256.8	288.4	1.06	2.120	193.8	424.8	.692
.9500	.9821	175.9	2388.8	36624.	257.9	289.5	1.06	2.120	194.0	425.8	.696
.9600	.9858	174.7	2394.7	36483.	259.0	290.6	1.06	2.121	194.2	426.8	.701
.9700	.9894	173.6	2400.6	36340.	260.1	291.7	1.06	2.122	194.5	427.8	.705
.9800	.9930	172.4	2406.5	36200.	261.2	292.8	1.05	2.122	194.7	428.8	.710
.9900	.9965	171.3	2412.4	36061.	262.3	293.9	1.05	2.123	194.9	429.8	.714
1.0000	1.0000	170.2	2418.4	35923.	263.4	295.0	1.05	2.123	195.1	430.8	.719

TABLE 5. SATURATED CRITICAL FLOW PROPERTIES

(P0 21000 KPA (TSAT 642.93 K))

X0	A0	R0 KG/M3	H0 KJ/KG	G KG/(S-M2)	AHE M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	454.2	1886.3	54494.	162.0	193.6	1.19	2.005	165.7	332.2	.288
.0100	.0225	448.5	1890.9	56232.	163.1	194.6	1.19	2.005	166.1	333.1	.292
.0200	.0448	443.0	1895.5	56011.	164.2	195.5	1.19	2.006	166.9	334.0	.296
.0300	.0669	437.4	1900.1	55787.	165.3	196.5	1.19	2.007	167.4	334.9	.300
.0400	.0888	432.0	1904.7	55564.	166.5	197.5	1.19	2.007	167.8	335.9	.303
.0500	.1072	426.9	1909.3	55354.	167.3	198.4	1.19	2.007	168.1	336.9	.307
.0600	.1271	421.8	1913.9	55137.	168.4	199.3	1.18	2.008	168.2	337.7	.311
.0700	.1466	416.9	1918.5	54931.	169.4	200.2	1.18	2.009	168.6	338.7	.314
.0800	.1654	412.0	1923.2	54708.	170.4	201.1	1.18	2.009	169.0	339.7	.318
.0900	.1841	407.3	1927.8	54497.	171.4	202.1	1.18	2.010	169.4	340.4	.321
.1000	.2023	402.6	1932.4	54280.	172.4	203.0	1.18	2.010	169.8	341.3	.327
.1100	.2200	398.1	1937.0	54068.	173.7	204.1	1.17	2.011	170.1	342.1	.331
.1200	.2373	393.7	1941.6	53857.	174.8	205.2	1.17	2.012	170.8	343.1	.335
.1300	.2543	389.3	1946.2	53644.	175.8	206.2	1.17	2.013	171.3	344.1	.342
.1400	.2708	385.0	1950.8	53439.	176.9	207.2	1.17	2.013	171.6	345.5	.346
.1500	.2871	381.0	1954.5	53232.	178.0	207.8	1.17				
.1600	.3030	376.9	1959.1	53025.	179.0	208.8	1.16	2.014	172.0	346.2	.350
.1700	.3185	373.0	1963.7	52814.	180.2	209.8	1.16	2.014	172.7	347.0	.354
.1800	.3337	369.2	1967.3	52616.	181.3	210.8	1.16	2.014	173.0	347.7	.358
.1900	.3486	365.5	1971.0	52421.	182.4	211.8	1.16	2.014	173.4	348.7	.362
.2000	.3632	361.9	1974.5	52212.	183.4	212.8	1.16	2.015	173.6	349.5	.366
.2100	.3775	357.9	1978.1	52013.	184.4	213.5	1.16	2.016	173.7	350.3	.370
.2200	.3916	354.3	1981.8	51813.	185.4	214.5	1.16	2.016	174.1	351.1	.373
.2300	.4053	350.8	1985.4	51616.	186.5	215.5	1.16	2.016	174.5	351.8	.377
.2400	.4188	347.4	1989.0	51421.	187.5	216.5	1.15	2.016	174.7	352.6	.381
.2500	.4320	344.0	1992.6	51221.	188.7	217.5	1.15	2.019	175.1	353.4	.385
.2600	.4450	340.7	2006.2	51027.	189.8	218.2	1.15	2.019	175.4	354.2	.389
.2700	.4577	337.4	2001.8	50833.	190.8	219.2	1.15	2.020	175.7	354.9	.393
.2800	.4702	334.3	2005.4	50641.	192.0	220.2	1.15	2.021	176.0	355.6	.397
.2900	.4824	331.1	2009.0	50440.	193.1	221.2	1.15	2.022	176.3	356.2	.400
.3000	.4944	328.1	2012.7	50259.	194.1	222.0	1.14	2.022	176.7	357.2	.404
.3100	.5062	325.1	2019.3	50070.	195.2	223.0	1.14	2.022	177.0	357.9	.408
.3200	.5178	322.2	2023.9	49883.	196.3	224.0	1.14	2.024	177.4	358.6	.412
.3300	.5292	319.3	2027.4	49694.	197.4	224.9	1.14	2.024	177.6	359.3	.416
.3400	.5403	316.4	2031.0	49510.	198.5	225.8	1.14	2.025	177.9	360.0	.420
.3500	.5513	313.6	2034.7	49328.	199.6	226.8	1.14	2.025	178.2	360.7	.423
.3600	.5621	310.8	2052.3	49142.	200.7	227.7	1.13	2.025	178.5	361.4	.427
.3700	.5727	308.1	2056.0	48960.	201.8	228.7	1.13	2.026	178.8	362.1	.431
.3800	.5831	305.4	2059.6	48779.	202.9	229.6	1.13	2.027	179.0	362.8	.435
.3900	.5933	302.8	2063.2	48599.	204.0	230.6	1.13	2.027	179.3	363.5	.439
.4000	.6034	300.3	2070.8	48420.	205.1	231.5	1.13	2.027	179.6	364.1	.443
.4100	.6132	297.8	2075.4	48242.	206.2	232.5	1.13	2.028	179.9	364.8	.446
.4200	.6230	295.3	2080.0	48068.	207.3	233.4	1.12	2.029	180.2	365.5	.450
.4300	.6325	292.8	2084.6	47890.	208.4	234.4	1.12	2.029	180.4	366.1	.454
.4400	.6419	290.4	2089.2	47715.	209.5	235.4	1.12	2.030	180.7	366.8	.458
.4500	.6512	288.1	2093.9	47542.	210.6	236.3	1.12	2.030	181.0	367.4	.462
.4600	.6603	285.7	2098.5	47369.	211.8	237.3	1.12	2.031	181.3	368.1	.465
.4700	.6693	283.4	2103.1	47198.	212.9	238.2	1.12	2.032	181.6	368.7	.469
.4800	.6781	281.2	2107.7	47028.	214.0	239.2	1.12	2.032	181.8	369.3	.473
.4900	.6867	279.0	2112.3	46859.	215.2	240.2	1.12	2.032	182.0	370.0	.477
.5000	.6953	276.8	2116.9	46691.	216.3	241.2	1.12	2.033	182.3	370.6	.480
.5100	.7037	274.7	2121.5	46523.	217.3	242.1	1.11	2.034	182.6	371.2	.484
.5200	.7120	272.6	2126.1	46357.	218.5	243.1	1.11	2.034	182.8	371.8	.488
.5300	.7202	270.5	2130.8	46192.	219.6	244.1	1.11	2.035	183.1	372.4	.492
.5400	.7282	268.4	2135.4	46028.	220.8	245.0	1.11	2.035	183.3	373.0	.496
.5500	.7361	266.4	2140.0	45866.	221.8	246.0	1.11	2.036	183.5	373.6	.499
.5600	.7439	264.4	2144.6	45704.	223.0	247.0	1.11	2.036	183.8	374.3	.503
.5700	.7515	262.5	2149.2	45543.	224.2	248.0	1.11	2.037	184.0	374.8	.507
.5800	.7590	260.6	2153.8	45383.	225.4	249.0	1.10	2.038	184.3	375.4	.511
.5900	.7665	258.6	2158.4	45224.	226.6	250.0	1.10	2.038	184.5	376.0	.514
.6000	.7739	256.8	2163.1	45066.	227.5	251.0	1.10	2.039	184.8	376.6	.518
.6100	.7811	254.9	2167.7	44909.	228.7	252.0	1.10	2.039	185.0	377.2	.522
.6200	.7883	253.1	2172.3	44753.	229.8	253.0	1.10	2.040	185.2	377.7	.526
.6300	.7953	251.3	2176.9	44598.	231.0	254.0	1.10	2.041	185.5	378.3	.529
.6400	.8022	249.5	2181.5	44444.	232.2	255.0	1.10	2.041	185.7	378.9	.533
.6500	.8091	247.8	2186.1	44291.	233.2	256.0	1.10	2.041	185.9	379.4	.537
.6600	.8158	246.1	2190.7	44139.	234.4	257.0	1.10	2.041	186.1	380.0	.541
.6700	.8226	244.4	2195.3	43988.	235.6	257.8	1.09	2.043	186.4	380.5	.544
.6800	.8290	242.7	2199.9	43837.	236.7	259.0	1.09	2.043	186.6	381.1	.548
.6900	.8355	241.0	2204.6	43688.	237.9	260.1	1.09	2.043	186.8	381.6	.552
.7000	.8419	239.4	2209.2	43540.	239.0	261.1	1.09	2.044	187.0	382.1	.556
.7100	.8482	237.8	2213.8	43392.	240.2	262.1	1.09	2.044	187.2	382.7	.559
.7200	.8544	236.2	2218.4	43246.	241.4	263.1	1.09	2.045	187.4	383.2	.563
.7300	.8605	234.7	2223.0	43100.	242.5	264.1	1.09	2.045	187.6	383.8	.567
.7400	.8666	233.1	2227.6	42955.	243.7	265.2	1.09	2.044	187.9	384.3	.570
.7500	.8725	231.6	2232.3	42811.	244.9	266.2	1.09	2.046	188.1	384.8	.574
.7600	.8784	230.1	2236.9	42668.	246.0	267.2	1.09	2.047	188.3	385.3	.578
.7700	.8842	228.6	2241.5	42526.	247.2	268.3	1.09	2.047	188.5	385.8	.581
.7800	.8900	227.1	2246.1	42385.	248.4	269.3	1.08	2.048	188.7	386.4	.585
.7900	.8957	225.7	2250.7	42245.	249.6	270.4	1.08	2.048	188.9	386.9	.589
.8000	.9013	224.3	2255.3	42105.	250.8	271.4	1.08	2.048	189.1	387.3	.593
.8100	.9068	222.9	2259.9	41966.	251.9	272.5	1.08	2.049	189.3	387.9	.596
.8200	.9122	221.5	2264.5	41829.	253.1	273.5	1.08	2.050	189.5	388.3	.600
.8300	.9176	220.1	2269.2	41692.	254.3	274.6	1.08	2.050	189.7	388.9	.604
.8400	.9230	218.7	2273.8	41555.	255.5	275.6	1.08	2.051	189.9	389.3	.607
.8500	.9282	217.4	2278.4	41420.	256.7	276.7	1.08	2.051	190.1	389.9	.611
.8600	.9334	216.1	2283.0	41286.	257.9	277.8	1.08	2.052	190.3	390.3	.615
.8700	.9386	214.7	2287.6	41152.	259.1	278.9	1.08	2.053	190.5	390.8	.618
.8800	.9436	213.5	2292.2	41020.	260.3	279.9	1.07	2.053	190.6	391.2	.622
.8900	.9486	212.2	2296.8	40887.	261.5	281.0	1.07	2.053	190.8	391.8	.626
.9000	.9534	210.9	2301.5	40754.	262.7	282.1	1.07	2.053	191.0	392.2	.629
.9100	.9585	209.7	2306.1	40625.	263.9	283.2	1.07	2.054	191.2	392.7	.633
.9200	.9633	208.4	2310.7	40495.	265.1	284.3	1.07	2.054	191.4	393.1	.637
.9300	.9681	207.2	2315.3	40366.	266.4	285.4	1.07	2.055	191.6	393.6	.641
.9400	.9728	206.0	2319.9	40238.	267.6	286.5	1.07	2.055	191.7	394.0	.644
.9500	.9775	204.8	2324.5	40111.	268.8	287.6	1.07	2.054	191.9	394.5	.648
.9600	.9821	203.6	2329.1	39984.	270.0	288.7	1.07	2.056	192.1	395.0	.652
.9700	.9866	202.4	2333.7	39858.	271.3	289.8	1.07	2.057	192.3	395.4	.656
.9800	.9911	201.3	2338.4	39733.	272.5	291.0	1.07	2.057	192.4	395.9	.659
.9900	.9954	200.1	2343.0	39609.	273.7	292.1	1.07	2.058	192.6	396.3	.663
1.0000	1.0000	199.1	2347.6	39484.	274.9	293.2	1.07	2.058	192.8	396.8	.666

TABLE 1 - SATURATED CRITICAL FLOW PROPERTIES

(P0 22000 KPA (TSAT 646.84 K))

XO	AO	RO KG/M3	HO KJ/KG	G KG/(S-M2)	AME M/S	VAVG M/S	MAVG	SLIP	VL M/S	VV M/S	XF
0.0000	0.0000	374.3	2011.1	93119.	190.3	219.1	1.15	1.984	177.6	349.0	.386
.0100	.0139	372.9	2013.0	93038.	190.8	219.5	1:15	1:985	177.8	349.3	.387
.0200	.0277	371.4	2014.8	92959.	191.2	219.9	1:15	1:985	177.8	349.6	.389
.0300	.0414	370.0	2016.7	92879.	191.7	220.3	1:15	1:985	178.0	349.9	.390
.0400	.0550	368.5	2018.5	92799.	192.1	220.6	1:15	1:985	178.1	350.2	.392
.0500	.0684	367.1	2020.4	92720.	192.5	221.0	1:15	1:986	178.3	350.5	.394
.0600	.0818	365.7	2022.2	92641.	193.0	221.4	1:15	1:986	178.4	350.8	.395
.0700	.0951	364.3	2024.0	92562.	193.4	221.8	1:15	1:986	178.6	351.1	.397
.0800	.1083	362.9	2025.9	92484.	193.8	222.2	1:15	1:986	178.7	351.4	.398
.0900	.1215	361.5	2027.7	92405.	194.3	222.6	1:15	1:987	178.8	351.6	.400
.1000	.1342	360.1	2029.6	92327.	194.7	223.0	1:15	1:987	179.0	351.9	.401
.1100	.1471	358.7	2031.4	92249.	195.1	223.3	1:14	1:987	179.1	352.2	.403
.1200	.1599	357.4	2033.3	92171.	195.6	223.7	1:14	1:987	179.2	352.5	.404
.1300	.1725	356.0	2035.1	92094.	196.0	224.1	1:14	1:988	179.4	352.8	.406
.1400	.1851	354.7	2037.0	92016.	196.4	224.5	1:14	1:988	179.5	353.1	.408
.1500	.1976	353.4	2038.8	91938.	196.9	224.9	1:14	1:988	179.6	353.4	.409
.1600	.2100	352.1	2040.6	91861.	197.3	225.3	1:14	1:988	179.7	353.7	.411
.1700	.2223	350.8	2042.5	91784.	197.8	225.8	1:14	1:988	179.8	354.0	.413
.1800	.2345	349.5	2044.3	91707.	198.2	226.2	1:14	1:989	180.0	354.3	.414
.1900	.2466	348.2	2046.1	91630.	198.7	226.6	1:14	1:989	180.1	354.6	.416
.2000	.2586	346.9	2048.0	91553.	199.1	226.8	1:14	1:989	180.3	354.9	.417
.2100	.2706	345.6	2049.8	91477.	199.5	227.2	1:14	1:989	180.3	355.1	.419
.2200	.2824	344.4	2051.7	91401.	200.0	227.6	1:14	1:989	180.5	355.4	.420
.2300	.2942	343.1	2053.5	91324.	200.4	228.0	1:14	1:990	180.6	355.7	.422
.2400	.3059	341.9	2055.4	91249.	200.9	228.4	1:14	1:990	180.7	356.0	.424
.2500	.3175	340.7	2057.3	91174.	201.3	228.7	1:14	1:990	180.8	356.2	.425
.2600	.3290	339.4	2059.1	91098.	201.7	229.1	1:14	1:990	181.0	356.5	.427
.2700	.3404	338.2	2060.9	91023.	202.2	229.5	1:14	1:991	181.0	356.8	.428
.2800	.3518	337.0	2062.8	90948.	202.6	229.9	1:14	1:991	181.1	357.1	.430
.2900	.3631	335.8	2064.6	90873.	203.0	230.3	1:13	1:991	181.3	357.4	.431
.3000	.3742	334.6	2066.5	90798.	203.5	230.7	1:13	1:991	181.4	357.7	.433
.3100	.3854	333.5	2068.3	90724.	203.9	231.1	1:13	1:991	181.6	357.9	.435
.3200	.3964	332.3	2070.2	90649.	204.4	231.5	1:13	1:992	181.7	358.2	.436
.3300	.4073	331.1	2072.0	90575.	204.8	231.8	1:13	1:992	181.8	358.5	.438
.3400	.4182	330.0	2073.9	90501.	205.3	232.2	1:13	1:992	181.9	358.8	.440
.3500	.4290	328.8	2075.7	90427.	205.7	232.6	1:13	1:992	182.0	359.0	.441
.3600	.4398	327.7	2077.5	90354.	206.2	233.0	1:13	1:993	182.1	359.3	.443
.3700	.4504	326.6	2079.4	90280.	206.6	233.4	1:13	1:993	182.2	359.6	.444
.3800	.4610	325.4	2081.2	90207.	207.0	233.8	1:13	1:993	182.4	359.9	.446
.3900	.4715	324.3	2083.1	90134.	207.5	234.2	1:13	1:993	182.5	360.2	.447
.4000	.4820	323.2	2084.9	90061.	207.9	234.5	1:13	1:993	182.6	360.4	.449
.4100	.4923	322.1	2086.8	89988.	208.4	234.9	1:13	1:994	182.7	360.7	.451
.4200	.5026	321.0	2088.6	89915.	208.8	235.3	1:13	1:994	182.8	361.0	.452
.4300	.5128	319.9	2090.5	89843.	209.3	235.7	1:13	1:994	182.9	361.2	.454
.4400	.5230	318.9	2092.3	89771.	209.7	236.1	1:13	1:994	183.1	361.5	.455
.4500	.5331	317.8	2094.2	89698.	210.2	236.5	1:13	1:995	183.2	361.7	.457
.4600	.5431	316.7	2096.0	89627.	210.6	236.9	1:12	1:995	183.3	362.0	.458
.4700	.5531	315.7	2097.8	89555.	211.1	237.3	1:12	1:995	183.4	362.2	.460
.4800	.5630	314.6	2099.7	89483.	211.6	237.7	1:12	1:995	183.5	362.5	.461
.4900	.5728	313.5	2101.5	89412.	212.0	238.1	1:12	1:995	183.6	362.7	.463
.5000	.5825	312.5	2103.4	89341.	212.4	238.5	1:12	1:996	183.7	363.0	.465
.5100	.5922	311.5	2105.2	89270.	212.9	238.8	1:12	1:996	183.8	363.2	.466
.5200	.6018	310.5	2107.0	89199.	213.3	239.2	1:12	1:996	183.9	363.5	.468
.5300	.6114	309.5	2108.9	89128.	213.7	239.6	1:12	1:996	184.1	363.8	.469
.5400	.6210	308.5	2110.8	89058.	214.2	240.0	1:12	1:997	184.2	364.0	.471
.5500	.6304	307.5	2112.6	88987.	214.6	240.4	1:12	1:997	184.3	364.3	.473
.5600	.6398	306.5	2114.4	88917.	215.1	240.8	1:12	1:997	184.4	364.5	.474
.5700	.6491	305.5	2116.3	88847.	215.5	241.2	1:12	1:997	184.5	364.8	.476
.5800	.6584	304.5	2118.1	88777.	216.0	241.6	1:12	1:997	184.6	365.1	.477
.5900	.6676	303.5	2120.0	88708.	216.4	242.0	1:12	1:998	184.7	365.3	.479
.6000	.6767	302.5	2121.8	88638.	216.9	242.3	1:12	1:998	184.8	365.5	.480
.6100	.6858	301.5	2123.7	88569.	217.3	242.8	1:12	1:998	184.9	365.8	.482
.6200	.6948	300.6	2125.5	88500.	217.8	243.2	1:12	1:998	185.0	366.0	.483
.6300	.7038	299.7	2127.3	88431.	218.2	243.6	1:12	1:998	185.2	366.3	.485
.6400	.7127	298.7	2129.2	88362.	218.7	244.0	1:12	1:999	185.3	366.5	.487
.6500	.7216	297.8	2131.1	88293.	219.1	244.4	1:12	1:999	185.4	366.8	.488
.6600	.7304	296.9	2132.9	88225.	219.6	244.7	1:11	1:999	185.4	367.0	.490
.6700	.7391	295.9	2134.7	88157.	220.0	245.1	1:11	1:999	185.5	367.2	.491
.6800	.7478	295.0	2136.6	88089.	220.5	245.5	1:11	2:000	185.6	367.5	.493
.6900	.7565	294.1	2138.4	88020.	220.9	245.9	1:11	2:000	185.8	367.7	.494
.7000	.7650	293.2	2140.3	87953.	221.4	246.3	1:11	2:000	185.9	368.0	.496
.7100	.7736	292.3	2142.1	87885.	221.9	246.7	1:11	2:000	186.0	368.3	.498
.7200	.7821	291.4	2144.0	87818.	222.3	247.1	1:11	2:001	186.1	368.5	.499
.7300	.7905	290.5	2145.8	87750.	222.8	247.5	1:11	2:001	186.3	368.8	.501
.7400	.7989	289.6	2147.7	87683.	223.2	247.9	1:11	2:001	186.4	369.0	.502
.7480	.8072	288.7	2149.5	87616.	223.7	248.3	1:11	2:001	186.4	369.2	.504
.7600	.8155	287.8	2151.3	87549.	224.1	248.7	1:11	2:001	186.7	369.5	.506
.7700	.8237	287.0	2153.2	87483.	224.6	249.1	1:11	2:001	186.8	369.7	.507
.7800	.8319	286.1	2155.0	87416.	225.0	249.5	1:11	2:001	186.9	370.0	.508
.7900	.8400	285.2	2156.9	87350.	225.5	249.9	1:11	2:001	186.8	370.2	.510
.8000	.8481	284.4	2158.7	87284.	225.9	250.3	1:11	2:001	186.9	370.4	.512
.8100	.8561	283.5	2160.6	87218.	226.4	250.7	1:11	2:001	187.0	370.6	.513
.8200	.8641	282.7	2162.4	87152.	226.9	251.1	1:11	2:001	187.1	370.8	.515
.8300	.8720	281.8	2164.3	87086.	227.3	251.5	1:11	2:001	187.2	371.1	.516
.8400	.8799	281.0	2166.1	87021.	227.8	252.0	1:11	2:001	187.3	371.3	.518
.8500	.8877	280.2	2168.0	86955.	228.3	252.4	1:11	2:001	187.4	371.6	.519
.8600	.8955	279.3	2169.8	86890.	228.7	252.7	1:11	2:001	187.5	371.8	.521
.8700	.9033	278.5	2171.6	86825.	229.2	253.1	1:10	2:001	187.6	372.0	.522
.8800	.9110	277.7	2173.4	86760.	229.6	253.5	1:10	2:001	187.7	372.3	.524
.8900	.9186	276.9	2175.3	86695.	230.1	253.9	1:10	2:001	187.8	372.5	.525
.9000	.9263	276.1	2177.2	86631.	230.5	254.3	1:10	2:001	187.9	372.8	.527
.9100	.9338	275.3	2179.0	86566.	231.0	254.8	1:10	2:001	188.0	373.0	.529
.9200	.9413	274.5	2180.9	86502.	231.4	255.2	1:10	2:001	188.0	373.2	.530
.9300	.9488	273.7	2182.7	86438.	231.9	255.6	1:10	2:001	188.1	373.4	.532
.9400	.9563	272.9	2184.6	86374.	232.4	256.0	1:10	2:001	188.2	373.7	.533
.9500	.9637	272.1	2186.4	86310.	232.8	256.4	1:10	2:001	188.3	373.9	.535
.9600	.9710	271.3	2188.2	86247.	233.3	256.8	1:10	2:001	188.4	374.1	.536
.9700	.9783	270.6	2190.1	86183.	233.7	257.2	1:10	2:001	188.5	374.4	.538
.9800	.9856	269.8	2191.9	86120.	234.2	257.6	1:10	2:001	188.7	374.6	.539
.9900	.9928	269.0	2193.8	86057.	234.7	258.0	1:10	2:001	188.7	374.8	.541
1.0000	1.0000	268.3	2195.6	85994.	235.1	258.4	1:10	1:986	188.8	375.1	.542

//// END OF LIST ////
0100019 //// END OF LIST ////

TABLE 6. Critical State Properties (Two-Phase Conditions--Pressure Referenced)

Values of the critical state properties listed below are presented in Table A-6.

Parameter	Symbol
Pressure	P*
Temperature	T*
Density	R*
Enthalpy	H*
Quality	X*
Void fraction	A*

The ratio of critical to stagnation properties listed below are also presented in Table A-6.

Parameter	Symbol
Pressure ratio	PR
Temperature ratio	TR
Density ratio	RR

TABLE 6. SATURATED CRITICAL STATE PROPERTIES

(P0 1000 KPA (TSAT 453.03 K))

X0	A0	RC KG/M3	HC KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	P0	T0	R0
0.0000	0.0000	887.0	762.6	742.0	440.47	447.2	716.4	.0044	.5053	.7420	.9723	.5041
.0100	.6351	326.9	792.7	754.7	441.17	387.6	722.4	.0058	.5715	.7547	.9738	1.1857
.0200	.7786	200.4	802.9	749.9	440.90	330.8	724.8	.0075	.6362	.7499	.9732	1.6454
.0300	.8420	144.5	823.0	740.7	440.40	283.8	729.4	.0094	.6879	.7407	.9721	1.9642
.0400	.8778	112.9	843.1	730.8	439.85	247.7	727.8	.0112	.7291	.7308	.9709	2.1930
.0500	.9007	92.7	863.3	721.2	439.31	219.1	729.3	.0131	.7601	.7212	.9697	2.3631
.0600	.9167	79.6	883.4	712.3	438.81	196.0	731.0	.0150	.7859	.7122	.9686	2.4924
.0700	.9284	68.3	903.6	704.1	438.34	176.9	732.8	.0168	.8079	.7041	.9676	2.5971
.0800	.9374	60.5	923.7	696.4	437.90	161.0	734.8	.0187	.8250	.6964	.9666	2.6693
.0900	.9446	54.0	943.8	689.5	437.49	147.5	737.0	.0206	.8400	.6895	.9657	2.7300
.1000	.9504	48.5	964.0	683.1	437.12	135.9	739.3	.0225	.8530	.6831	.9649	2.7774
.1100	.9552	44.7	984.1	677.1	436.77	125.8	741.8	.0244	.8642	.6771	.9641	2.8140
.1200	.9592	41.1	1004.2	671.6	436.44	116.9	744.4	.0264	.8741	.6715	.9634	2.8421
.1300	.9626	38.2	1024.4	666.6	436.14	109.1	747.2	.0283	.8828	.6666	.9627	2.8631
.1400	.9656	35.6	1044.5	661.9	435.86	102.1	750.1	.0303	.8904	.6619	.9621	2.8783
.1500	.9682	33.2	1064.4	657.5	435.59	96.0	753.1	.0323	.8974	.6575	.9615	2.8883
.1600	.9704	31.2	1084.8	653.4	435.35	90.1	756.3	.0344	.9036	.6534	.9610	2.8942
.1700	.9725	29.4	1105.0	649.4	435.10	85.3	759.6	.0364	.9093	.6494	.9604	2.8966
.1800	.9743	27.9	1125.0	645.8	434.88	80.6	763.0	.0385	.9144	.6458	.9599	2.8959
.1900	.9760	26.4	1144.9	642.5	434.68	76.4	766.6	.0407	.9190	.6425	.9595	2.8917
.2000	.9773	25.2	1165.3	639.3	434.48	72.6	770.2	.0428	.9233	.6391	.9590	2.8853
.2100	.9786	24.0	1185.5	636.4	434.30	69.0	774.0	.0450	.9273	.6364	.9586	2.8776
.2200	.9798	22.9	1205.6	633.6	434.13	65.7	777.9	.0473	.9309	.6334	.9583	2.8678
.2300	.9809	22.0	1225.9	631.0	433.98	62.7	781.9	.0495	.9343	.6308	.9579	2.8556
.2400	.9820	21.1	1245.9	628.2	433.79	59.9	786.1	.0518	.9374	.6282	.9575	2.8429
.2500	.9829	20.2	1266.0	626.0	433.65	57.2	790.4	.0542	.9403	.6260	.9572	2.8289
.2600	.9838	19.5	1286.1	623.6	433.50	54.8	794.8	.0566	.9430	.6236	.9569	2.8134
.2700	.9846	18.8	1306.3	621.4	433.36	52.5	799.3	.0591	.9456	.6214	.9566	2.7967
.2800	.9853	18.1	1326.4	619.2	433.22	50.3	803.9	.0615	.9480	.6192	.9563	2.7775
.2900	.9860	17.5	1346.5	617.3	433.10	48.3	808.6	.0641	.9502	.6173	.9560	2.7580
.3000	.9866	16.9	1366.7	615.5	432.99	45.4	813.6	.0667	.9523	.6155	.9558	2.7399
.3100	.9872	16.4	1386.8	613.6	432.86	44.6	818.6	.0693	.9543	.6136	.9555	2.7192
.3200	.9878	15.9	1406.9	612.0	432.76	42.9	823.8	.0720	.9562	.6122	.9552	2.6986
.3300	.9884	15.4	1427.1	610.3	432.65	41.3	829.1	.0748	.9579	.6103	.9550	2.6770
.3400	.9889	15.0	1447.2	608.8	432.56	39.7	834.5	.0776	.9596	.6089	.9548	2.6551
.3500	.9893	14.5	1467.4	607.2	432.46	38.3	840.1	.0805	.9612	.6072	.9546	2.6323
.3600	.9898	14.2	1487.5	605.8	432.36	36.9	845.8	.0834	.9627	.6059	.9544	2.6091
.3700	.9902	13.8	1507.6	604.2	432.26	35.6	851.7	.0864	.9642	.6042	.9541	2.5850
.3800	.9906	13.4	1527.8	603.0	432.18	34.4	857.7	.0894	.9655	.6033	.9540	2.5613
.3900	.9910	13.1	1547.9	601.8	432.10	33.2	864.0	.0926	.9669	.6019	.9538	2.5371
.4000	.9914	12.8	1568.0	600.3	432.01	32.0	870.5	.0958	.9681	.6003	.9536	2.5119
.4100	.9917	12.4	1588.2	599.1	431.93	31.0	876.9	.0991	.9693	.5991	.9534	2.4866
.4200	.9921	12.1	1608.3	597.8	431.85	30.0	883.6	.1025	.9705	.5979	.9532	2.4610
.4300	.9924	11.9	1628.4	596.9	431.79	28.9	890.5	.1059	.9715	.5969	.9531	2.4355
.4400	.9927	11.6	1648.6	595.7	431.71	28.0	897.5	.1095	.9726	.5957	.9529	2.4090
.4500	.9930	11.4	1668.7	594.8	431.65	27.1	904.9	.1131	.9736	.5948	.9528	2.3831
.4600	.9932	11.1	1688.8	593.7	431.57	26.2	912.3	.1168	.9746	.5937	.9526	2.3561
.4700	.9934	10.9	1709.0	593.1	431.51	25.5	920.0	.1206	.9755	.5927	.9525	2.3292
.4800	.9938	10.7	1729.1	592.7	431.44	24.8	927.9	.1245	.9764	.5917	.9523	2.3021
.4900	.9940	10.4	1749.3	591.0	431.40	23.8	936.0	.1286	.9772	.5910	.9522	2.2744
.5000	.9942	10.2	1769.4	590.9	431.33	23.0	944.4	.1327	.9781	.5900	.9521	2.2474
.5100	.9945	10.0	1789.5	589.3	431.28	22.3	953.1	.1369	.9788	.5893	.9520	2.2202
.5200	.9947	9.8	1809.7	588.2	431.21	21.6	962.0	.1412	.9796	.5882	.9518	2.1918
.5300	.9949	9.7	1829.8	587.4	431.16	20.9	971.0	.1457	.9804	.5874	.9517	2.1638
.5400	.9951	9.5	1849.9	586.6	431.11	20.3	980.4	.1503	.9811	.5866	.9516	2.1356
.5500	.9953	9.3	1870.1	585.8	431.06	19.6	990.1	.1550	.9818	.5859	.9515	2.1073
.5600	.9955	9.1	1890.2	585.1	431.00	19.0	1000.0	.1599	.9824	.5851	.9513	2.0787
.5700	.9956	9.0	1910.3	584.6	430.97	18.4	1010.4	.1649	.9831	.5846	.9513	2.0509
.5800	.9958	8.8	1930.5	583.8	430.92	17.9	1021.0	.1701	.9837	.5838	.9512	2.0217
.5900	.9960	8.7	1950.6	583.1	430.87	17.3	1032.0	.1754	.9843	.5831	.9511	1.9928
.6000	.9961	8.5	1970.7	582.3	430.82	16.8	1043.2	.1809	.9849	.5823	.9510	1.9634
.6100	.9963	8.4	1990.9	581.8	430.79	16.3	1054.9	.1866	.9855	.5818	.9509	1.9347
.6200	.9965	8.3	2011.0	581.2	430.74	15.8	1067.0	.1924	.9860	.5812	.9508	1.9054
.6300	.9966	8.1	2031.1	580.4	430.69	15.3	1079.4	.1984	.9865	.5804	.9507	1.8757
.6400	.9967	8.0	2051.3	579.8	430.65	14.8	1092.3	.2047	.9871	.5798	.9506	1.8463
.6500	.9969	7.9	2071.4	579.7	430.64	14.3	1105.8	.2112	.9876	.5797	.9506	1.8179
.6600	.9970	7.8	2091.6	578.5	430.57	13.9	1119.4	.2178	.9881	.5785	.9504	1.7870
.6700	.9972	7.7	2111.7	578.0	430.54	13.5	1133.7	.2247	.9885	.5780	.9503	1.7574
.6800	.9973	7.5	2131.8	577.7	430.52	13.0	1148.7	.2319	.9890	.5777	.9503	1.7261
.6900	.9974	7.4	2152.0	577.0	430.46	12.6	1163.9	.2393	.9894	.5770	.9502	1.6977
.7000	.9975	7.3	2172.1	576.1	430.54	12.3	1180.8	.2472	.9899	.5761	.9504	1.6708
.7100	.9976	7.2	2192.2	576.2	430.41	11.8	1196.6	.2550	.9903	.5762	.9501	1.6382
.7200	.9977	7.1	2212.4	575.8	430.36	11.4	1213.7	.2633	.9907	.5755	.9500	1.6079
.7300	.9979	7.0	2232.5	575.2	430.35	11.1	1231.1	.2719	.9911	.5752	.9499	1.5779
.7400	.9980	6.9	2252.6	575.0	430.33	10.7	1250.5	.2810	.9915	.5750	.9499	1.5482
.7500	.9981	6.8	2272.8	574.0	430.27	10.4	1269.7	.2902	.9919	.5740	.9497	1.5170
.7600	.9982	6.8	2292.9	573.8	430.25	10.1	1290.1	.3000	.9923	.5738	.9497	1.4871
.7700	.9983	6.7	2313.0	573.1	430.21	9.8	1311.0	.3101	.9926	.5731	.9496	1.4563
.7800	.9984	6.6	2333.2	572.8	430.18	9.4	1332.9	.3207	.9930	.5728	.9496	1.4250
.7900	.9985	6.5	2353.3	572.3	430.15	9.1	1354.1	.3318	.9933	.5723	.9495	1.3953
.8000	.9986	6.4	2373.5	572.1	430.13	8.8	1380.4	.3434	.9937	.5721	.9495	1.3650
.8100	.9986	6.3	2393.6	571.7	430.11	8.5	1405.7	.3555	.9940	.5717	.9494	1.3344
.8200	.9987	6.3	2413.8	571.3	430.08	8.2	1431.1	.3682	.9943	.5713	.9493	1.3037
.8300	.9988	6.2	2433.9	570.9	430.05	7.9	1459.0	.3815	.9946	.5709	.9493	1.2730
.8400	.9989	6.1	2454.0	570.5	430.03	7.6	1489.1	.3955	.9950	.5705	.9492	1.2422
.8500	.9990	6.0	2474.1	570.1	430.00	7.3	1519.8	.4103	.9953	.5701	.9492	1.2114
.8600	.9991	6.0	2494.3	569.5	429.96	7.1	1552.0	.4257	.9955	.5695	.9491	1.1803
.8700	.9991	5.9	2514.4	569.4	429.96	6.8	1586.1	.4421	.9958	.5691	.9490	1.1493
.8800	.9992	5.8	2534.5	568.8	429.92	6.5	1622.3	.4594	.9961	.5688	.9490	1.1185
.8900	.9993	5.8	2554.7	568.4	429.88	6.3	1660.3	.4776	.9964	.5684	.9489	1.0873
.9000	.9994	5.7	2574.8	568.4	429.88	6.0	1701.0	.4971	.9967	.5684	.9489	1.0567
.9100	.9994	5.7	2594.9	567.9	429.84	5.8	1743.7	.5175	.9969	.5678	.9488	1.0254
.9200	.9995	5.6	2615.1	567.5	429.82	5.6	1789.4	.5394	.9972	.5675	.9488	.9943
.9300	.9996	5.5	2635.2	567.4	429.82	5.3	1838.3	.5628	.9974	.5674	.9487	.9634
.9400	.9996	5.5	2655.4	566.8	429.78	5.1	1890.0	.5878	.9977	.5669	.9487	.9320
.9500	.9997	5.4	2675.5	566.4	429.75	4.9	1945.5	.6141	.9979	.5664	.9486	.9004
.9600	.9998	5.4	2695.6	566.2	429.74	4.7	2005.2	.6426	.9982	.5662	.9486	.8697
.9700	.9998	5.3	2715.8	565.9	429.72	4.4	2069.4	.6733	.9984	.5659	.9485	.8384
.9800	.9999	5.3	2735.9	565.6	429.70	4.2	2138.5	.7064	.9986	.5656	.9485	.8071
.9900	.9999	5.2	2756.0	565.2	429.67	4.0	2213.2	.7421	.9989	.5651	.9484	.7758
1.0000	1.0000	5.1	2776.2	565.0	429.66	3.8	2294.4	.7809	.9991	.5650	.9484	.7445

TABLE 6. SATURATED CRITICAL STATE PROPERTIES

(PO 2000 KPA (T3&T 485.52 K))

XO	AO	RO KG/M3	HO KJ/KG	PP KPA	TP K	DP KG/M3	HP KJ/KG	XP	AP	PR	TR	VR
0.0000	0.0000	849.9	908.6	1479.1	469.16	455.0	849.5	.0077	.4829	.7146	.9663	.5130
.0100	.4608	462.9	927.5	1447.2	469.75	410.1	855.6	.0095	.5324	.7236	.9675	.8859
.0200	.5800	318.2	944.4	1440.2	469.72	387.6	860.2	.0116	.5817	.7218	.9674	1.1457
.0300	.6700	245.1	958.4	1438.4	469.49	370.3	863.7	.0136	.6248	.7148	.9669	1.3531
.0400	.7500	199.5	969.9	1436.6	469.09	357.3	866.1	.0161	.6618	.7133	.9661	1.5256
.0500	.8166	164.1	1003.0	1414.4	468.57	271.5	878.1	.0183	.6936	.7072	.9655	1.6545
.0600	.8437	141.3	1021.9	1402.2	468.27	248.4	870.8	.0206	.7204	.7011	.9645	1.7583
.0700	.8660	122.0	1037.9	1392.2	468.06	233.5	873.1	.0230	.7434	.6951	.9636	1.8424
.0800	.8803	108.7	1049.7	1385.0	467.91	223.2	874.7	.0254	.7636	.6904	.9630	1.9113
.0900	.8938	98.0	1058.7	1379.2	467.80	215.5	875.9	.0277	.7814	.6859	.9625	1.9677
.1000	.9038	90.8	1097.5	1357.7	466.76	182.9	882.6	.0300	.7969	.6789	.9614	2.0146
.1100	.9127	83.4	1116.3	1347.9	466.43	171.1	885.9	.0324	.8103	.6739	.9607	2.0527
.1200	.9206	77.4	1131.9	1340.2	466.18	162.8	888.3	.0347	.8214	.6704	.9600	2.0843
.1300	.9276	72.4	1144.9	1334.0	465.98	156.5	890.1	.0371	.8314	.6674	.9594	2.1102
.1400	.9338	68.2	1155.8	1329.0	465.82	151.6	891.5	.0396	.8403	.6649	.9589	2.1323
.1500	.9393	64.8	1164.9	1324.8	465.76	147.8	892.6	.0423	.8483	.6627	.9585	2.1490
.1600	.9416	59.0	1210.8	1307.1	465.01	127.7	904.1	.0448	.8604	.6533	.9577	2.1599
.1700	.9444	55.0	1226.7	1302.6	464.83	121.8	907.2	.0474	.8670	.6504	.9573	2.1804
.1800	.9480	50.9	1243.4	1297.5	464.63	115.8	910.5	.0500	.8740	.6469	.9569	2.1960
.1900	.9520	48.0	1256.3	1293.5	464.47	111.5	913.0	.0525	.8801	.6437	.9563	2.2084
.2000	.9564	45.0	1268.9	1289.5	464.31	107.3	915.5	.0551	.8861	.6408	.9558	2.2184
.2100	.9574	43.8	1305.2	1276.1	463.91	100.0	923.4	.0580	.8924	.6380	.9555	2.2428
.2200	.9598	43.8	1324.0	1270.8	463.72	98.6	930.0	.0608	.8974	.6354	.9551	2.2613
.2300	.9619	42.0	1343.5	1265.7	463.55	97.5	934.8	.0636	.9021	.6329	.9547	2.2783
.2400	.9639	40.4	1360.7	1261.1	463.36	96.7	939.7	.0664	.9065	.6304	.9543	2.2935
.2500	.9658	38.8	1380.1	1256.1	463.18	84.1	944.7	.0693	.9106	.6280	.9540	2.3074
.2600	.9675	37.6	1390.6	1252.9	463.03	80.8	949.8	.0722	.9145	.6260	.9537	2.3209
.2700	.9690	36.4	1411.4	1247.4	462.78	79.6	955.1	.0753	.9181	.6238	.9534	2.3334
.2800	.9705	34.8	1427.6	1243.4	462.59	74.6	960.0	.0785	.9218	.6217	.9530	2.3434
.2900	.9716	33.7	1456.2	1239.5	462.58	71.8	965.0	.0814	.9247	.6197	.9527	2.3535
.3000	.9732	32.6	1478.7	1235.7	462.44	60.7	971.8	.0845	.9278	.6179	.9525	2.3729
.3100	.9744	31.6	1494.1	1232.4	462.32	56.7	977.5	.0877	.9306	.6162	.9522	2.3818
.3200	.9755	30.7	1511.3	1229.2	462.19	54.3	983.4	.0910	.9334	.6144	.9519	2.3905
.3300	.9764	29.9	1527.7	1226.3	462.06	52.0	988.8	.0943	.9360	.6127	.9517	2.3986
.3400	.9774	29.2	1550.6	1222.5	461.88	50.2	995.1	.0977	.9384	.6112	.9514	2.4075
.3480	.9785	28.1	1569.6	1219.1	461.83	57.8	1002.1	.1012	.9408	.6096	.9512	2.0594
.3500	.9794	27.3	1588.5	1216.2	461.72	55.9	1006.7	.1047	.9430	.6081	.9510	2.0450
.3600	.9803	26.6	1607.4	1213.2	461.62	54.2	1011.3	.1083	.9451	.6068	.9508	2.0304
.3800	.9818	25.4	1642.6	1208.0	461.45	52.0	1020.1	.1157	.9491	.6044	.9504	2.0095
.3900	.9826	24.7	1664.0	1205.6	461.32	48.9	1026.5	.1196	.9509	.6028	.9501	1.9833
.4000	.9833	24.1	1682.9	1203.1	461.23	47.4	1043.9	.1235	.9527	.6016	.9500	1.9670
.4200	.9839	23.5	1701.9	1200.8	461.14	45.9	1058.5	.1275	.9544	.6003	.9498	1.9501
.4300	.9846	23.0	1720.9	1198.4	461.06	44.6	1064.2	.1316	.9560	.5992	.9496	1.9331
.4400	.9852	22.5	1739.9	1196.2	460.98	43.4	1067.2	.1357	.9575	.5979	.9494	1.9155
.4500	.9858	22.0	1758.5	1193.8	460.88	41.8	1069.3	.1400	.9591	.5969	.9492	1.8979
.4600	.9863	21.5	1777.4	1191.6	460.79	40.5	1083.7	.1444	.9606	.5958	.9491	1.8798
.4700	.9869	21.1	1796.2	1189.4	460.70	39.3	1088.3	.1488	.9620	.5949	.9489	1.8619
.4800	.9874	20.7	1815.2	1187.2	460.62	38.2	1093.0	.1534	.9633	.5939	.9488	1.8435
.4900	.9878	20.3	1834.0	1185.0	460.53	37.0	1097.6	.1580	.9646	.5929	.9486	1.8248
.5000	.9883	19.9	1852.9	1183.0	460.50	35.9	1110.3	.1629	.9658	.5919	.9485	1.8058
.5100	.9888	19.5	1871.5	1182.1	460.43	34.8	1128.8	.1678	.9670	.5911	.9483	1.7869
.5200	.9892	19.2	1890.7	1180.1	460.37	33.8	1133.6	.1729	.9681	.5902	.9482	1.7677
.5300	.9896	18.8	1909.6	1178.2	460.30	32.8	1138.5	.1780	.9693	.5894	.9481	1.7483
.5400	.9900	18.5	1928.5	1176.4	460.23	31.8	1143.5	.1832	.9704	.5884	.9479	1.7285
.5422	.9904	18.1	1947.3	1174.4	460.18	30.9	1148.4	.1887	.9715	.5877	.9478	1.7090
.5600	.9908	17.8	1966.2	1171.7	460.11	30.0	1180.3	.1943	.9725	.5869	.9477	1.6890
.5700	.9912	17.5	1985.0	1170.2	460.05	29.2	1191.4	.2000	.9735	.5861	.9475	1.6689
.5800	.9916	17.2	2004.0	1168.5	460.00	28.4	1202.9	.2059	.9744	.5854	.9474	1.6484
.5900	.9919	16.9	2022.8	1167.2	459.94	27.6	1214.7	.2120	.9754	.5846	.9473	1.6284
.6000	.9922	16.6	2041.8	1167.6	459.88	26.7	1226.8	.2181	.9763	.5838	.9472	1.6078
.6100	.9925	16.3	2060.7	1166.4	459.83	25.9	1239.4	.2245	.9771	.5832	.9471	1.5874
.6200	.9928	16.0	2079.6	1165.0	459.78	25.2	1252.2	.2311	.9780	.5824	.9470	1.5667
.6300	.9931	15.7	2098.5	1163.4	459.72	24.4	1265.4	.2379	.9788	.5817	.9469	1.5457
.6400	.9934	15.5	2117.5	1162.3	459.68	23.8	1279.2	.2448	.9796	.5812	.9468	1.5249
.6500	.9937	15.4	2136.2	1160.9	459.62	23.1	1293.2	.2520	.9804	.5805	.9466	1.5038
.6600	.9939	15.1	2155.1	1159.9	459.58	22.4	1307.8	.2594	.9811	.5799	.9466	1.4828
.6700	.9942	14.9	2174.0	1159.2	459.56	21.8	1322.9	.2670	.9818	.5797	.9465	1.4621
.6800	.9945	14.7	2193.0	1157.7	459.48	21.1	1338.4	.2748	.9826	.5786	.9464	1.4400
.6900	.9947	14.5	2211.7	1156.2	459.43	20.5	1354.4	.2829	.9833	.5780	.9463	1.4192
.7000	.9950	14.3	2230.6	1155.2	459.40	20.0	1370.9	.2913	.9839	.5776	.9462	1.3974
.7100	.9952	14.1	2249.5	1153.9	459.35	19.4	1387.7	.2999	.9846	.5770	.9461	1.3757
.7200	.9954	13.9	2268.4	1152.6	459.29	18.8	1405.0	.3089	.9852	.5765	.9460	1.3541
.7300	.9956	13.7	2287.3	1151.0	459.24	18.3	1422.6	.3181	.9858	.5760	.9458	1.3321
.7400	.9958	13.5	2306.2	1149.6	459.19	17.7	1440.7	.3279	.9865	.5754	.9459	1.3107
.7500	.9961	13.3	2325.1	1149.6	459.19	17.2	1462.1	.3376	.9871	.5744	.9457	1.2886
.7600	.9963	13.2	2344.0	1148.6	459.14	16.7	1482.5	.3479	.9876	.5743	.9457	1.2667
.7700	.9965	13.0	2362.9	1148.0	459.12	16.2	1502.7	.3585	.9882	.5740	.9456	1.2450
.7800	.9967	12.8	2381.7	1147.0	459.09	15.7	1523.5	.3696	.9888	.5735	.9455	1.2224
.7900	.9969	12.7	2400.6	1146.0	459.04	15.2	1544.8	.3811	.9893	.5730	.9455	1.2006
.8000	.9971	12.5	2419.5	1144.9	459.00	14.8	1571.4	.3929	.9898	.5725	.9454	1.1784
.8100	.9972	12.4	2438.4	1143.8	458.95	14.3	1596.3	.4053	.9903	.5719	.9453	1.1561
.8200	.9974	12.3	2457.3	1143.2	458.93	13.9	1622.2	.4182	.9908	.5715	.9452	1.1340
.8300	.9976	12.1	2476.2	1142.1	458.90	13.4	1648.6	.4317	.9913	.5712	.9451	1.1119
.8400	.9978	11.9	2495.0	1141.1	458.86	13.0	1675.6	.4457	.9918	.5709	.9451	1.0895
.8488	.9979	11.8	2513.9	1140.6	458.83	12.6	1705.4	.4603	.9923	.5703	.9450	1.0669
.8600	.9981	11.7	2532.8	1139.0	458.81	12.2	1735.8	.4756	.9927	.5700	.9450	1.0445
.8700	.9982	11.5	2551.7	1138.5	458.78	11.8	1767.0	.4915	.9932	.5696	.9449	1.0220
.8800	.9984	11.3	2570.6	1137.9	458.75	11.4	1800.0	.5082	.9936	.5692	.9449	1.0004
.8900	.9985	11.2	2589.6	1136.9	458.69	11.0	1835.9	.5257	.9941	.5688	.9448	.9784
.9000	.9987	11.1	2608.4	1136.6	458.69	10.6	1871.9	.5440	.9945	.5685	.9447	.9561
.9100	.9988	11.0	2627.2	1135.3	458.65	10.3	1910.3	.5633	.9949	.5682	.9447	.9338
.9200	.9990	10.9	2646.1	1133.8	458.63	9.9	1950.6	.5835	.9953	.5678	.9446	.9088
.9300	.9992	10.8	2665.0	1134.8	458.60	9.6	1993.9	.6048	.9957	.5674	.9445	.8840
.9400	.9994	10.6	2683.8	1133.8	458.56	9.2	2037.4	.6271	.9961	.5670	.9445	.8530
.9403	.9994	10.6	2732.8	1132.8	458.52	8.9	2084.4	.6508	.9965	.5664	.9444	.8401
.9500	.9995	10.5	2771.7	1132.8	458.52	8.5	2134.6	.6750	.9969	.5664	.9444	.8174
.9600	.9996	10.4	2740.6	1131.9	458.49	8.2	2187.3	.7024	.9973	.5660	.9443	.7944
.9700	.9998	10.2	2759.5	1131.4	458.46	7.9	2243.2	.7305	.9976	.5656	.9442	.7715
.9800	.9999	10.1	2778.4	1131.0	458.43	7.6	2302.9	.7601	.9979	.5653	.9442	.7485
1.0000	1.0000	10.0	2797.2	1130.1	458.42	7.3	2366.2	.7922	.9983	.5650	.9442	.7256

TABLE 5.4 SATURATED CRITICAL STATE PROPERTIES

(PO 3000 KPA (TSAT 506.99 K))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
0.0000	0.0000	822.1	1008.4	2098.8	487.98	452.7	940.4	.0110	.4713	.6996	.9625	.5506
.0100	.3962	534.6	1026.3	2117.7	488.43	417.5	946.4	.0131	.5131	.7059	.9634	.7910
.0200	.4278	506.1	1044.2	2110.3	488.47	385.1	952.0	.0154	.5543	.7054	.9635	.9271
.0300	.4288	514.6	1062.1	2101.5	488.31	355.4	956.8	.0193	.6010	.7041	.9631	1.1179
.0400	.4053	260.9	1080.1	2088.8	488.04	328.5	958.4	.0204	.6243	.7005	.9626	1.2417
.0500	.7425	222.9	1098.1	2088.8	487.73	299.5	961.8	.0229	.6548	.6963	.9620	1.3451
.0600	.7776	194.5	1116.0	2075.4	487.40	277.7	965.2	.0255	.6807	.6918	.9614	1.4278
.0700	.8048	172.6	1134.0	2061.5	487.06	258.6	968.0	.0308	.7036	.6877	.9607	1.4984
.0800	.8265	155.1	1151.9	2048.0	486.73	241.6	972.1	.0340	.7240	.6837	.9600	1.5582
.0900	.8442	140.8	1169.8	2034.4	486.40	226.6	975.7	.0335	.7421	.6783	.9594	1.6086
.1000	.8589	128.9	1187.7	2022.4	486.08	213.0	978.4	.0362	.7584	.6741	.9588	1.6511
.1100	.8713	118.9	1205.7	2010.2	485.78	200.6	983.2	.0389	.7731	.6701	.9587	1.6874
.1200	.8819	110.2	1223.6	1998.5	485.44	189.5	987.1	.0417	.7864	.6661	.9576	1.7177
.1300	.8910	102.6	1241.5	1987.2	485.10	179.4	991.1	.0444	.7984	.6624	.9570	1.7434
.1400	.8988	96.0	1259.4	1977.3	484.84	170.2	995.5	.0472	.8094	.6589	.9564	1.7653
.1500	.9062	90.1	1277.4	1966.4	484.67	161.9	999.5	.0501	.8199	.6555	.9560	1.7830
.1600	.9129	85.0	1295.4	1956.9	484.43	153.9	1003.8	.0530	.8288	.6523	.9555	1.7979
.1700	.9189	80.4	1313.3	1947.4	484.18	146.7	1007.8	.0559	.8377	.6491	.9550	1.8097
.1800	.9243	76.3	1331.3	1938.6	483.96	140.1	1011.9	.0588	.8460	.6462	.9546	1.8194
.1900	.9294	72.6	1349.2	1930.1	483.73	133.9	1015.6	.0618	.8536	.6434	.9541	1.8286
.2000	.9340	69.3	1367.1	1922.5	483.53	128.2	1022.4	.0648	.8604	.6409	.9537	1.8324
.2100	.9382	66.3	1385.1	1914.3	483.32	122.8	1027.3	.0679	.8658	.6381	.9533	1.8356
.2200	.9420	63.5	1403.0	1908.0	483.15	117.8	1032.4	.0710	.8717	.6356	.9529	1.8378
.2300	.9456	60.9	1421.0	1900.0	482.95	113.1	1037.5	.0741	.8773	.6333	.9526	1.8385
.2400	.9489	58.6	1438.9	1896.7	482.76	108.6	1042.9	.0773	.8822	.6310	.9522	1.8377
.2500	.9521	56.4	1456.8	1896.7	482.60	104.5	1048.4	.0806	.8874	.6289	.9519	1.8360
.2600	.9550	54.4	1474.8	1879.7	482.41	101.0	1053.9	.0839	.8921	.6266	.9515	1.8324
.2700	.9578	52.5	1492.7	1874.4	482.26	97.4	1059.6	.0873	.8964	.6247	.9512	1.8289
.2800	.9605	50.8	1510.7	1868.7	482.04	94.1	1065.4	.0906	.9005	.6224	.9509	1.8240
.2900	.9632	49.2	1528.6	1863.6	481.82	90.9	1071.4	.0941	.9044	.6209	.9506	1.8189
.3000	.9657	47.8	1546.5	1857.8	481.82	87.8	1077.5	.0976	.9082	.6192	.9504	1.8120
.3100	.9680	46.5	1564.5	1852.4	481.68	84.9	1083.9	.1012	.9117	.6175	.9501	1.8049
.3200	.9702	45.2	1582.4	1847.5	481.57	82.2	1090.2	.1048	.9150	.6158	.9498	1.7971
.3300	.9723	44.0	1600.3	1842.8	481.39	79.6	1096.8	.1086	.9182	.6143	.9496	1.7887
.3400	.9743	42.9	1618.3	1838.1	481.19	77.1	1103.4	.1123	.9212	.6125	.9493	1.7796
.3500	.9762	41.8	1636.2	1833.1	481.16	74.8	1110.2	.1162	.9241	.6110	.9491	1.7698
.3600	.9780	40.8	1654.2	1828.9	481.05	72.6	1117.1	.1201	.9269	.6096	.9488	1.7599
.3700	.9798	39.8	1672.1	1824.9	480.94	70.5	1124.1	.1241	.9295	.6083	.9486	1.7495
.3800	.9815	38.8	1690.0	1820.5	480.85	68.5	1131.2	.1282	.9321	.6069	.9485	1.7384
.3900	.9832	37.9	1708.0	1816.3	480.72	66.6	1138.4	.1323	.9345	.6055	.9482	1.7273
.4000	.9848	36.9	1725.9	1813.0	480.62	64.7	1145.7	.1366	.9368	.6043	.9480	1.7156
.4100	.9864	36.1	1743.9	1809.4	480.52	63.0	1153.1	.1408	.9390	.6031	.9478	1.7035
.4200	.9879	35.2	1761.8	1805.7	480.42	61.3	1160.5	.1451	.9411	.6018	.9476	1.6911
.4300	.9894	34.4	1779.7	1802.2	480.33	59.7	1168.0	.1497	.9431	.6007	.9474	1.6784
.4400	.9908	33.6	1797.7	1798.8	480.22	58.2	1175.7	.1542	.9450	.5995	.9472	1.6655
.4500	.9922	32.8	1815.6	1796.4	480.14	56.9	1183.4	.1589	.9469	.5985	.9470	1.6521
.4600	.9936	31.9	1833.6	1792.1	480.04	55.3	1191.3	.1637	.9489	.5974	.9468	1.6383
.4700	.9948	31.3	1851.5	1789.3	479.97	54.0	1199.3	.1685	.9507	.5964	.9467	1.6247
.4800	.9960	30.7	1869.4	1785.0	479.87	52.7	1207.4	.1735	.9524	.5953	.9465	1.6105
.4900	.9972	30.1	1887.4	1783.0	479.79	51.4	1215.6	.1786	.9540	.5943	.9463	1.5962
.5000	.9983	29.5	1905.3	1780.1	479.73	50.2	1223.8	.1838	.9555	.5936	.9462	1.5821
.5100	.9994	28.9	1923.3	1777.7	479.65	49.1	1232.2	.1891	.9571	.5926	.9461	1.5673
.5200	1.0004	28.4	1941.2	1775.1	479.57	48.0	1240.6	.1945	.9586	.5917	.9459	1.5526
.5300	1.0014	27.9	1959.2	1772.4	479.50	46.9	1249.2	.2001	.9600	.5908	.9458	1.5374
.5400	1.0024	27.4	1977.2	1769.6	479.42	45.9	1257.8	.2059	.9613	.5899	.9456	1.5219
.5500	1.0033	26.9	1995.2	1767.4	479.34	44.9	1266.5	.2116	.9627	.5891	.9455	1.5067
.5600	1.0042	26.4	2013.2	1764.8	479.28	43.9	1275.4	.2179	.9641	.5882	.9453	1.4907
.5700	1.0051	26.0	2031.2	1762.2	479.22	43.0	1284.3	.2237	.9654	.5874	.9452	1.4743
.5800	1.0060	25.5	2049.2	1760.0	479.16	42.1	1293.4	.2300	.9666	.5866	.9451	1.4584
.5900	1.0068	25.1	2067.3	1758.0	479.10	41.2	1302.5	.2364	.9677	.5860	.9450	1.4430
.6000	1.0076	24.7	2085.3	1754.8	479.04	40.3	1311.8	.2430	.9689	.5853	.9449	1.4275
.6100	1.0085	24.3	2103.3	1753.7	478.98	39.5	1321.1	.2498	.9700	.5846	.9447	1.4113
.6200	1.0092	23.9	2121.4	1751.1	478.90	38.6	1330.6	.2567	.9711	.5837	.9446	1.3946
.6300	1.0100	23.6	2139.4	1748.6	478.84	37.8	1340.1	.2638	.9721	.5830	.9445	1.3782
.6400	1.0107	23.2	2157.5	1747.4	478.80	37.1	1349.8	.2711	.9731	.5825	.9444	1.3618
.6500	1.0114	22.9	2175.6	1745.4	478.74	36.3	1359.6	.2785	.9741	.5818	.9443	1.3450
.6600	1.0121	22.5	2193.8	1743.2	478.68	35.6	1369.5	.2863	.9751	.5811	.9442	1.3281
.6700	1.0127	22.2	2211.9	1741.3	478.64	34.9	1379.6	.2943	.9761	.5805	.9441	1.3113
.6800	1.0133	21.9	2230.1	1738.8	478.59	34.2	1389.8	.3025	.9770	.5799	.9440	1.2944
.6900	1.0139	21.6	2248.3	1737.6	478.53	33.6	1400.2	.3109	.9779	.5792	.9439	1.2771
.7000	1.0144	21.3	2266.4	1735.8	478.48	32.9	1410.7	.3195	.9788	.5786	.9438	1.2596
.7100	1.0149	21.0	2284.7	1734.1	478.43	32.3	1421.4	.3284	.9796	.5780	.9437	1.2420
.7200	1.0154	20.7	2303.0	1732.2	478.37	31.7	1432.3	.3376	.9804	.5773	.9435	1.2241
.7300	1.0159	20.4	2321.3	1730.4	478.34	31.1	1443.4	.3471	.9812	.5771	.9434	1.2061
.7400	1.0163	20.2	2339.6	1729.9	478.30	30.5	1454.6	.3569	.9820	.5765	.9433	1.1880
.7500	1.0167	19.9	2358.0	1727.9	478.24	29.9	1466.0	.3669	.9828	.5760	.9431	1.1700
.7600	1.0171	19.6	2376.4	1726.3	478.21	29.4	1477.6	.3773	.9836	.5754	.9432	1.1553
.7700	1.0175	19.4	2394.7	1725.0	478.17	28.8	1489.4	.3881	.9843	.5750	.9431	1.1377
.7800	1.0179	19.1	2413.1	1722.2	478.11	28.3	1501.4	.3992	.9850	.5743	.9430	1.1197
.7900	1.0182	18.9	2431.6	1723.1	478.10	27.8	1513.6	.4107	.9857	.5740	.9430	1.1021
.8000	1.0185	18.7	2450.0	1720.0	478.03	27.3	1526.0	.4226	.9864	.5733	.9429	1.0840
.8100	1.0187	18.5	2468.5	1719.0	479.00	26.8	1538.6	.4349	.9871	.5730	.9428	1.0662
.8200	1.0190	18.2	2487.0	1717.7	477.96	26.3	1551.4	.4477	.9877	.5726	.9427	1.0480
.8300	1.0193	18.0	2505.5	1716.9	477.91	25.8	1564.4	.4609	.9884	.5720	.9426	1.0300
.8400	1.0195	17.8	2524.1	1714.9	477.88	25.4	1577.6	.4746	.9890	.5716	.9426	1.0120
.8500	1.0198	17.6	2542.7	1713.3	477.84	24.9	1591.0	.4888	.9896	.5711	.9425	.9937
.8600	1.0200	17.4	2561.3	1712.4	477.81	24.5	1604.5	.5037	.9902	.5708	.9424	.9757
.8700	1.0203	17.2	2579.9	1711.1	477.77	24.0	1618.3	.5190	.9908	.5704	.9424	.9574
.8800	1.0205	17.0	2598.7	1709.8	477.73	23.6	1632.3	.5350	.9914	.5698	.9423	.9390
.8900	1.0207	16.8	2617.4	1708.3	477.69	23.2	1646.5	.5517	.9919	.5694	.9422	.9206
.9000	1.0209	16.6	2636.2	1707.4	477.67	22.8	1660.8	.5691	.9925	.5691	.9421	.9023
.9100	1.0211	16.5	2654.8	1706.3	477.64	22.4	1675.3	.5872	.9930	.5687	.9421	.8839
.9200	1.0214	16.3	2673.8	1705.8	477.59	22.1	1690.0	.6061	.9935	.5683	.9420	.8653
.9300	1.0216	16.2	2692.7	1705.6	477.56	21.7	1704.9	.6259	.9941	.5679	.9419	.8466
.9400	1.0218	16.0	2711.7	1704.4	477.53	21.3	1720.1	.6465	.9946	.5675	.9419	.8282
.9500	1.0220	15.8	2730.6	1703.7	477.51	21.0	1735.4	.6683	.9951	.5672	.9418	.8097
.9600	1.0222	15.6	2749.5	1700.7	477.48	20.6	1751.0	.6910	.9956	.5669	.9418	.7911
.9700	1.0224	15.5	2768.5	1699.2	477.43	20.3	1766.8	.7148	.9960	.5664	.9417	.7723
.9800	1.0226	15.3	2787.4	1699.5	477.41	19.9	1782.8	.7399	.9965	.5662	.9417	.7537
.9900	1.0228	15.2	2806.4	1697.7	477.38	19.6	1799.1	.7662	.9970	.5657	.9416	.7349
1.0000	1.0230	15.0	2825.3	1696.4	477.35	19.3	1815.7	.7940	.9974	.5655	.9415	.7162

TABLE 6. SATURATED CRITICAL STATE PROPERTIES

(P0 4000 KPA (TSAT 523.49 K))

X0	A0	R0 KG/M3	H0 KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	PR
0.0000	0.0000	798.7	1047.4	2758.0	502.37	450.0	1012.5	.0142	.4845	.6395	.9597	.5634
.0100	.2364	979.7	1104.5	2775.5	502.72	419.7	1018.3	.0166	.5015	.6939	.9603	.7290
.0200	.4478	940.0	1161.9	2778.0	502.77	390.4	1024.2	.0191	.5174	.6945	.9604	.8474
.0300	.5913	909.4	1219.8	2772.6	502.66	363.8	1030.2	.0218	.5308	.6931	.9602	.9434
.0400	.6934	882.0	1278.2	2763.5	502.49	339.7	1036.4	.0245	.6011	.6908	.9598	1.0210
.0500	.6748	872.0	1293.0	2760.7	502.21	316.5	1038.5	.0273	.6244	.6896	.9594	1.1034
.0600	.7172	840.3	1390.2	2735.8	501.96	296.5	1039.4	.0301	.6531	.6840	.9588	1.2330
.0700	.7494	815.6	1451.3	2721.4	501.65	278.5	1043.3	.0330	.6743	.6803	.9581	1.3049
.0800	.7755	794.9	1513.4	2707.7	501.36	262.1	1047.3	.0359	.6953	.6767	.9577	1.3659
.0900	.7971	778.0	1576.0	2697.5	501.07	247.3	1051.5	.0388	.7133	.6731	.9572	1.3903
.1000	.8153	763.8	1639.2	2674.1	500.74	234.1	1054.5	.0418	.7298	.6688	.9566	1.4787
.1100	.8308	751.8	1702.8	2664.8	500.51	222.0	1059.5	.0447	.7448	.6662	.9561	1.4520
.1200	.8442	741.5	1767.0	2651.8	500.27	210.8	1063.7	.0477	.7585	.6628	.9556	1.4804
.1300	.8559	732.4	1831.7	2638.8	500.00	200.5	1068.1	.0508	.7717	.6596	.9551	1.5149
.1400	.8661	724.4	1897.0	2631.8	499.72	191.0	1072.6	.0539	.7828	.6564	.9545	1.5359
.1500	.8742	717.3	1962.9	2613.6	499.49	182.2	1077.2	.0570	.7935	.6534	.9541	1.5538
.1600	.8833	711.0	2029.5	2602.1	499.23	174.1	1081.8	.0601	.8034	.6503	.9537	1.5690
.1700	.8906	705.3	2096.8	2589.0	499.00	166.6	1086.6	.0633	.8126	.6477	.9532	1.5819
.1800	.8971	700.2	2164.9	2580.5	498.78	159.6	1091.4	.0664	.8212	.6451	.9528	1.5926
.1900	.9031	695.6	2233.8	2570.0	498.57	153.0	1096.4	.0697	.8292	.6425	.9524	1.6013
.2000	.9084	691.3	2303.6	2560.4	498.36	146.9	1101.7	.0730	.8369	.6401	.9520	1.6083
.2100	.9135	687.4	2374.2	2550.6	498.16	141.1	1107.0	.0763	.8437	.6376	.9516	1.6135
.2200	.9181	683.9	2445.8	2541.5	497.97	135.8	1112.4	.0797	.8503	.6354	.9513	1.6175
.2300	.9223	680.6	2518.4	2532.7	497.79	130.8	1118.1	.0831	.8565	.6332	.9509	1.6202
.2400	.9262	677.6	2591.9	2524.4	497.61	126.1	1123.8	.0866	.8623	.6311	.9506	1.6218
.2500	.9298	674.8	2666.5	2516.2	497.44	121.7	1129.7	.0901	.8678	.6291	.9502	1.6222
.2600	.9332	672.1	2742.2	2508.4	497.27	117.6	1135.8	.0937	.8730	.6271	.9499	1.6216
.2700	.9363	669.6	2819.0	2500.4	497.10	113.7	1142.0	.0973	.8780	.6254	.9496	1.6198
.2800	.9392	667.4	2897.0	2493.2	496.95	110.1	1148.3	.1010	.8827	.6237	.9493	1.6175
.2900	.9420	665.3	2976.2	2485.0	496.79	106.6	1154.8	.1048	.8871	.6219	.9490	1.6147
.3000	.9445	663.3	3056.8	2479.5	496.66	103.4	1161.5	.1085	.8913	.6199	.9488	1.6109
.3100	.9470	661.4	3138.8	2472.9	496.51	98.6	1166.3	.1124	.8953	.6182	.9485	1.6059
.3200	.9497	659.6	3222.4	2466.4	496.37	95.6	1172.0	.1163	.8991	.6165	.9482	1.6007
.3300	.9514	658.0	3307.5	2460.0	496.24	92.8	1177.9	.1203	.9028	.6150	.9480	1.5949
.3400	.9534	656.4	3394.3	2454.3	496.11	90.2	1183.7	.1244	.9063	.6135	.9477	1.5887
.3500	.9553	654.9	3482.8	2448.0	495.98	86.8	1189.7	.1285	.9096	.6120	.9475	1.5816
.3600	.9572	653.4	3573.1	2442.8	495.87	84.1	1201.0	.1327	.9129	.6107	.9472	1.5745
.3700	.9589	652.1	3665.3	2437.3	495.75	81.6	1208.4	.1369	.9159	.6093	.9470	1.5667
.3800	.9606	650.8	3759.4	2431.6	495.62	79.2	1214.9	.1413	.9188	.6079	.9468	1.5584
.3900	.9621	649.6	3855.4	2427.0	495.52	76.9	1221.6	.1457	.9215	.6067	.9466	1.5500
.4000	.9636	648.4	3953.6	2421.9	495.41	74.8	1228.5	.1502	.9243	.6055	.9464	1.5411
.4100	.9650	647.3	4053.7	2416.8	495.30	72.8	1235.5	.1548	.9269	.6042	.9462	1.5317
.4200	.9664	646.2	4155.8	2412.3	495.20	70.9	1242.8	.1595	.9294	.6031	.9460	1.5217
.4300	.9677	645.2	4259.9	2407.4	495.10	69.1	1250.1	.1643	.9318	.6019	.9458	1.5111
.4400	.9690	644.3	4366.1	2403.3	495.01	67.4	1257.6	.1692	.9341	.6008	.9456	1.5001
.4500	.9702	643.3	4474.2	2399.0	494.91	65.8	1265.3	.1740	.9363	.5998	.9454	1.4886
.4600	.9713	642.4	4584.4	2394.7	494.82	64.3	1273.1	.1791	.9384	.5987	.9452	1.4769
.4700	.9724	641.5	4696.6	2390.6	494.73	62.9	1281.2	.1843	.9405	.5977	.9451	1.4649
.4800	.9735	640.6	4810.9	2386.3	494.63	61.6	1289.4	.1895	.9425	.5966	.9449	1.4525
.4900	.9745	640.0	4927.3	2382.4	494.55	60.4	1297.8	.1948	.9445	.5956	.9447	1.4397
.5000	.9755	639.2	5045.9	2379.1	494.47	59.3	1306.4	.2003	.9463	.5948	.9446	1.4266
.5100	.9764	638.5	5166.8	2375.4	494.39	58.3	1315.2	.2059	.9481	.5938	.9444	1.4132
.5200	.9773	637.8	5290.0	2371.7	494.31	57.3	1324.2	.2116	.9498	.5929	.9443	1.3995
.5300	.9782	637.1	5415.5	2368.2	494.23	56.4	1333.3	.2174	.9515	.5920	.9441	1.3854
.5400	.9790	636.4	5543.4	2364.8	494.16	55.5	1342.6	.2234	.9532	.5913	.9440	1.3711
.5500	.9798	635.8	5673.7	2361.5	494.08	54.7	1352.0	.2294	.9548	.5904	.9438	1.3564
.5600	.9804	635.2	5806.5	2358.2	494.01	53.9	1361.7	.2357	.9563	.5896	.9437	1.3414
.5700	.9814	634.6	5941.8	2354.4	493.94	53.2	1371.5	.2420	.9578	.5888	.9436	1.3262
.5800	.9821	634.0	6079.8	2353.0	493.87	52.5	1381.5	.2485	.9593	.5880	.9434	1.3109
.5900	.9828	633.5	6220.4	2348.4	493.79	51.8	1391.7	.2552	.9607	.5871	.9433	1.2955
.6000	.9835	632.9	6363.8	2346.1	493.74	51.1	1402.2	.2621	.9621	.5865	.9429	1.2799
.6100	.9842	632.4	6510.0	2343.0	493.67	50.5	1412.8	.2690	.9634	.5857	.9430	1.2640
.6200	.9848	631.9	6659.1	2340.0	493.60	49.9	1423.7	.2762	.9647	.5850	.9429	1.2479
.6300	.9854	631.4	6811.2	2337.3	493.54	49.3	1434.8	.2835	.9660	.5843	.9428	1.2316
.6400	.9860	631.0	6966.3	2334.6	493.48	48.9	1446.0	.2910	.9672	.5836	.9427	1.2150
.6500	.9866	630.5	7124.6	2332.0	493.42	48.4	1457.5	.2988	.9684	.5830	.9426	1.1982
.6600	.9872	630.1	7286.0	2329.9	493.35	48.0	1469.1	.3066	.9696	.5822	.9425	1.1812
.6700	.9878	629.6	7450.7	2326.4	493.31	47.6	1481.0	.3148	.9707	.5819	.9424	1.1639
.6800	.9883	629.2	7618.7	2323.8	493.24	47.3	1493.1	.3231	.9718	.5810	.9422	1.1464
.6900	.9888	628.8	7790.1	2321.9	493.20	47.0	1505.4	.3316	.9729	.5805	.9421	1.1287
.7000	.9893	628.4	7964.9	2314.3	493.14	46.8	1517.9	.3404	.9739	.5798	.9420	1.1108
.7100	.9898	628.0	8143.3	2317.0	493.09	46.6	1530.6	.3494	.9749	.5792	.9419	1.0928
.7200	.9903	627.6	8325.2	2314.8	493.04	46.5	1543.5	.3587	.9759	.5787	.9418	1.0746
.7300	.9908	627.3	8510.7	2312.1	492.98	46.4	1556.7	.3682	.9769	.5780	.9417	1.0563
.7400	.9912	626.9	8700.0	2310.4	492.94	46.4	1570.1	.3781	.9779	.5775	.9416	1.0379
.7500	.9917	626.6	8893.1	2308.2	492.89	46.5	1583.8	.3881	.9788	.5771	.9415	1.0193
.7600	.9921	626.2	9090.2	2305.2	492.84	46.6	1597.8	.3986	.9797	.5766	.9413	1.0006
.7700	.9926	625.9	9291.4	2303.5	492.78	46.8	1612.0	.4093	.9806	.5759	.9414	1.0017
.7800	.9930	625.6	9496.8	2302.0	492.75	47.1	1626.5	.4203	.9814	.5755	.9413	1.0026
.7900	.9934	625.3	9706.6	2299.8	492.70	47.5	1641.3	.4317	.9823	.5750	.9412	1.0033
.8000	.9937	625.0	9921.0	2297.0	492.65	47.9	1656.4	.4434	.9831	.5745	.9411	1.0034
.8100	.9941	624.7	10141.0	2295.9	492.61	48.4	1671.8	.4555	.9839	.5740	.9410	1.0029
.8200	.9945	624.4	10366.8	2294.1	492.57	49.0	1687.6	.4680	.9847	.5735	.9409	1.0021
.8300	.9949	624.1	10598.6	2293.4	492.52	49.7	1703.8	.4810	.9855	.5730	.9409	1.0008
.8400	.9952	623.8	10836.5	2290.8	492.47	50.5	1720.4	.4943	.9863	.5725	.9408	0.9989
.8500	.9956	623.5	11080.6	2288.5	492.44	51.4	1737.4	.5081	.9870	.5721	.9407	0.9965
.8600	.9959	623.3	11331.1	2286.3	492.39	52.4	1754.9	.5224	.9877	.5716	.9405	0.9936
.8700	.9963	623.0	11588.1	2285.0	492.36	53.6	1772.9	.5372	.9884	.5712	.9405	0.9902
.8800	.9966	622.8	11851.8	2282.8	492.33	54.9	1791.4	.5526	.9891	.5709	.9405	0.9864
.8900	.9969	622.5	12122.4	2281.2	492.29	56.4	1810.4	.5685	.9898	.5708	.9404	0.9821
.9000	.9972	622.3	12400.0	2280.1	492.28	58.0	1829.9	.5850	.9905	.5703	.9403	0.9773
.9100	.9975	622.0	12684.8	2278.3	492.21	59.8	1850.0	.6022	.9911	.5698	.9403	0.9720
.9200	.9978	621.8	12977.1	2276.8	492.17	61.8	1870.7	.6202	.9918	.5693	.9402	0.9662
.9300	.9981	621.6	13277.0	2275.2	492.14	63.9	1892.0	.6388	.9924	.5688	.9401	0.9599
.9400	.9984	621.3	13584.6	2273.6	492.10	66.3	1913.9	.6579	.9930	.5684	.9401	0.9531
.9500	.9987	621.1	13900.2	2272.1	492.07	68.9	1936.4	.6779	.9936	.5680	.9400	0.9458
.9600	.9990	620.9	14224.0	2270.7	492.03	71.7	1959.6	.6989	.9942	.5677	.9399	0.9380
.9700	.9993	620.7	14556.2	2269.2	492.00	74.8	1983.5	.7207	.9948	.5673	.9398	0.9298
.9800	.9996	620.6	14897.0	2268.0	491.97	78.2	2008.2	.7436	.9954	.5670	.9398	0.9211
.9900	.9998	620.4	15246.6	2266.7	491.93	81.9	2033.6	.7674	.9959	.5666	.9397	0.9120
1.0000	1.0000	620.3	15605.3	2265.4	491.89	86.0	2059.9	.7923	.9965	.5661	.9397	0.9025

TABLE 3. SATURATED CRITICAL STATE PROPERTIES

EPO 9000 KPA (TSAT 537.06 K)

XO	AO	RO KG/M3	HO KJ/KG	PR KPA	TR K	RR KG/M3	HR KJ/KG	XR	AR	PP	TP	RP
0.0000	0.0000	777.7	1154.5	3409.4	514.19	445.8	1073.6	.0176	.4607	.6819	.9574	.5733
.0100	.2365	599.8	1170.9	3424.7	514.44	419.3	1079.3	.0202	.4940	.6849	.9579	.6090
.0200	.3840	488.1	1187.3	3427.6	514.49	393.7	1084.3	.0229	.5261	.6855	.9580	.6466
.0300	.4868	411.5	1203.7	3422.6	514.41	369.8	1089.0	.0256	.5566	.6845	.9578	.6838
.0400	.5610	355.7	1220.1	3412.8	514.25	347.9	1093.3	.0283	.5840	.6826	.9575	.7179
.0500	.6174	313.2	1236.5	3400.4	514.04	327.7	1097.6	.0317	.6094	.6801	.9571	1.0463
.0600	.6619	279.8	1252.8	3387.0	513.81	309.3	1101.9	.0347	.6326	.6774	.9567	1.1057
.0700	.6977	252.8	1269.2	3372.3	513.56	292.5	1106.1	.0377	.6538	.6745	.9562	1.1572
.0800	.7273	230.6	1285.6	3357.2	513.31	277.2	1110.4	.0408	.6732	.6714	.9558	1.2022
.0900	.7520	211.9	1302.0	3342.0	513.08	263.1	1114.7	.0439	.6909	.6684	.9553	1.2414
.1000	.7731	196.1	1318.4	3326.9	512.79	250.1	1119.1	.0471	.7073	.6653	.9548	1.2756
.1100	.7912	182.4	1334.8	3311.8	512.53	238.2	1123.5	.0503	.7223	.6624	.9543	1.3056
.1200	.8070	170.6	1351.2	3297.6	512.29	227.3	1128.1	.0535	.7361	.6595	.9539	1.3319
.1300	.8209	160.3	1367.6	3283.4	512.05	217.2	1132.8	.0567	.7489	.6567	.9534	1.3549
.1400	.8331	151.3	1384.0	3269.4	511.81	207.7	1137.5	.0600	.7608	.6539	.9530	1.3747
.1500	.8440	142.7	1400.4	3256.3	511.58	198.7	1142.3	.0633	.7719	.6513	.9526	1.3922
.1600	.8538	135.3	1416.8	3243.4	511.35	190.5	1147.3	.0667	.7822	.6487	.9521	1.4072
.1700	.8626	128.7	1433.2	3230.6	511.13	182.7	1152.3	.0701	.7918	.6461	.9517	1.4200
.1800	.8707	122.7	1449.6	3218.8	510.92	175.6	1157.4	.0735	.8008	.6439	.9513	1.4311
.1900	.8779	117.2	1466.0	3207.0	510.72	168.8	1162.7	.0770	.8093	.6414	.9510	1.4403
.2000	.8846	112.2	1482.4	3195.3	510.51	162.4	1168.1	.0805	.8173	.6391	.9506	1.4479
.2100	.8907	107.6	1498.8	3184.8	510.33	156.5	1173.6	.0840	.8247	.6370	.9502	1.4544
.2200	.8964	103.3	1515.2	3174.4	510.16	150.8	1179.1	.0876	.8318	.6348	.9499	1.4601
.2300	.9016	99.4	1531.6	3163.8	509.98	145.4	1184.8	.0913	.8384	.6327	.9495	1.4651
.2400	.9066	95.8	1548.0	3153.6	509.79	140.4	1190.6	.0949	.8447	.6308	.9492	1.4695
.2500	.9109	92.4	1564.4	3144.5	509.61	135.6	1196.6	.0987	.8506	.6289	.9489	1.4678
.2600	.9151	89.3	1580.8	3135.0	509.44	131.1	1202.6	.1025	.8563	.6270	.9486	1.4686
.2700	.9190	86.3	1597.2	3125.7	509.28	126.9	1208.8	.1063	.8617	.6252	.9483	1.4688
.2800	.9228	83.6	1613.6	3117.0	509.13	122.8	1215.1	.1102	.8668	.6235	.9480	1.4670
.2900	.9261	81.0	1630.0	3109.0	508.98	118.8	1221.5	.1145	.8716	.6218	.9477	1.4663
.3000	.9293	78.6	1646.4	3101.1	508.83	115.0	1228.1	.1182	.8762	.6202	.9474	1.4642
.3100	.9323	76.3	1662.8	3092.8	508.69	111.5	1234.8	.1223	.8807	.6186	.9472	1.4612
.3200	.9352	74.1	1679.2	3085.3	508.55	108.1	1241.6	.1264	.8849	.6171	.9469	1.4579
.3300	.9379	72.1	1695.6	3078.1	508.43	104.8	1248.6	.1306	.8889	.6156	.9467	1.4540
.3400	.9405	70.2	1712.0	3071.3	508.30	101.7	1255.7	.1349	.8928	.6143	.9464	1.4497
.3500	.9429	68.3	1728.4	3064.8	508.19	98.7	1262.9	.1392	.8965	.6127	.9462	1.4446
.3600	.9452	66.6	1744.8	3057.1	508.04	95.8	1270.3	.1436	.9003	.6114	.9460	1.4392
.3700	.9474	64.9	1761.2	3050.8	507.92	93.1	1277.8	.1481	.9034	.6101	.9459	1.4333
.3800	.9495	63.4	1777.6	3043.0	507.78	90.4	1285.4	.1527	.9067	.6088	.9455	1.4267
.3900	.9515	61.9	1794.0	3037.6	507.68	87.9	1293.3	.1573	.9098	.6075	.9453	1.4204
.4000	.9534	60.4	1810.4	3031.5	507.57	85.4	1301.3	.1620	.9128	.6063	.9451	1.4139
.4100	.9552	59.1	1826.7	3025.9	507.47	83.1	1309.5	.1668	.9157	.6052	.9449	1.4063
.4200	.9569	57.8	1843.1	3020.6	507.37	80.8	1317.9	.1717	.9185	.6041	.9447	1.3988
.4300	.9586	56.5	1859.5	3014.2	507.25	78.6	1326.3	.1767	.9212	.6028	.9444	1.3906
.4400	.9601	55.3	1875.9	3008.8	507.15	76.5	1335.0	.1818	.9238	.6018	.9443	1.3825
.4500	.9617	54.2	1892.3	3003.9	507.06	74.5	1343.9	.1869	.9263	.6008	.9441	1.3742
.4600	.9631	53.1	1908.7	2998.4	506.96	72.5	1353.0	.1922	.9288	.5997	.9440	1.3654
.4700	.9645	52.0	1925.1	2993.2	506.86	70.6	1362.2	.1975	.9311	.5986	.9438	1.3563
.4800	.9659	51.0	1941.5	2988.8	506.78	68.8	1371.7	.2030	.9334	.5978	.9436	1.3473
.4900	.9672	50.1	1957.9	2983.4	506.68	67.0	1381.3	.2085	.9356	.5967	.9434	1.3378
.5000	.9684	49.1	1974.3	2979.2	506.61	65.3	1391.2	.2142	.9377	.5959	.9433	1.3283
.5100	.9696	48.2	1990.7	2974.6	506.52	63.6	1401.2	.2200	.9397	.5949	.9431	1.3185
.5200	.9708	47.3	2007.1	2969.7	506.43	61.9	1411.5	.2258	.9417	.5939	.9430	1.3084
.5300	.9718	46.5	2023.5	2965.3	506.35	60.4	1422.0	.2319	.9436	.5931	.9428	1.2982
.5400	.9730	45.7	2039.9	2960.9	506.28	58.9	1432.8	.2380	.9455	.5924	.9427	1.2881
.5500	.9740	44.9	2056.3	2957.2	506.19	57.4	1443.7	.2443	.9473	.5914	.9425	1.2774
.5600	.9750	44.2	2072.7	2953.4	506.12	55.9	1455.0	.2507	.9491	.5907	.9424	1.2669
.5700	.9760	43.4	2089.1	2949.5	506.05	54.5	1466.4	.2572	.9508	.5899	.9423	1.2561
.5800	.9769	42.7	2105.5	2945.6	505.98	53.2	1478.2	.2639	.9525	.5891	.9421	1.2451
.5900	.9778	42.0	2121.9	2941.7	505.90	51.9	1490.2	.2707	.9541	.5883	.9420	1.2340
.6000	.9787	41.4	2138.3	2937.5	505.83	50.6	1502.4	.2776	.9556	.5875	.9418	1.2226
.6100	.9796	40.7	2154.7	2934.3	505.77	49.3	1515.1	.2848	.9572	.5869	.9417	1.2114
.6200	.9804	40.1	2171.1	2930.4	505.69	48.1	1527.9	.2921	.9587	.5861	.9416	1.1998
.6300	.9812	39.5	2187.5	2926.8	505.62	46.9	1541.1	.2995	.9601	.5854	.9415	1.1882
.6400	.9820	38.9	2203.9	2923.3	505.56	45.8	1554.6	.3071	.9615	.5847	.9413	1.1765
.6500	.9827	38.3	2220.3	2920.2	505.50	44.7	1568.5	.3149	.9629	.5840	.9412	1.1647
.6600	.9835	37.8	2236.7	2917.2	505.45	43.6	1582.7	.3230	.9642	.5834	.9411	1.1529
.6700	.9842	37.3	2253.1	2913.6	505.39	42.5	1597.2	.3311	.9655	.5827	.9410	1.1408
.6800	.9849	36.7	2269.5	2910.9	505.33	41.5	1612.2	.3395	.9668	.5822	.9409	1.1288
.6900	.9856	36.2	2285.9	2907.5	505.26	40.4	1627.5	.3481	.9680	.5815	.9408	1.1165
.7000	.9862	35.7	2302.3	2904.3	505.20	39.5	1643.2	.3569	.9692	.5809	.9407	1.1042
.7100	.9869	35.3	2318.7	2901.9	505.15	38.5	1659.3	.3660	.9704	.5804	.9406	1.0919
.7200	.9875	34.8	2335.1	2898.4	505.09	37.5	1675.8	.3752	.9716	.5797	.9405	1.0794
.7300	.9881	34.3	2351.5	2895.5	505.03	36.6	1692.8	.3847	.9727	.5793	.9404	1.0668
.7400	.9887	33.9	2367.9	2893.6	505.00	35.7	1710.4	.3945	.9738	.5787	.9403	1.0544
.7500	.9892	33.5	2384.3	2890.6	504.94	34.8	1728.3	.4046	.9748	.5781	.9402	1.0417
.7600	.9898	33.0	2400.7	2887.9	504.89	34.0	1746.7	.4149	.9759	.5776	.9401	1.0289
.7700	.9904	32.6	2417.0	2885.3	504.84	33.1	1765.7	.4254	.9769	.5771	.9400	1.0161
.7800	.9909	32.2	2433.4	2882.6	504.79	32.3	1785.2	.4363	.9779	.5765	.9398	1.0031
.7900	.9914	31.8	2449.8	2880.1	504.74	31.5	1805.3	.4475	.9789	.5760	.9398	.9902
.8000	.9919	31.4	2466.2	2877.0	504.68	30.7	1825.9	.4590	.9798	.5754	.9397	.9770
.8100	.9924	31.1	2482.6	2874.5	504.63	30.0	1847.1	.4709	.9808	.5749	.9396	.9639
.8200	.9929	30.7	2499.0	2872.1	504.59	29.2	1868.8	.4831	.9817	.5744	.9395	.9508
.8300	.9934	30.4	2515.4	2870.4	504.55	28.5	1891.1	.4959	.9826	.5741	.9395	.9377
.8400	.9938	30.0	2531.8	2867.9	504.51	27.7	1914.1	.5087	.9835	.5736	.9394	.9244
.8500	.9943	29.7	2548.2	2865.7	504.47	27.0	1938.1	.5221	.9844	.5731	.9393	.9111
.8600	.9947	29.3	2564.6	2862.8	504.41	26.3	1963.8	.5358	.9852	.5726	.9392	.8976
.8700	.9952	29.0	2581.0	2861.1	504.38	25.7	1989.6	.5501	.9860	.5723	.9391	.8843
.8800	.9956	28.7	2597.4	2858.4	504.33	25.0	2016.0	.5648	.9868	.5717	.9390	.8709
.8900	.9960	28.4	2613.8	2856.0	504.30	24.3	2043.5	.5801	.9876	.5714	.9390	.8574
.9000	.9964	28.1	2630.2	2854.7	504.26	23.7	2071.8	.5958	.9884	.5709	.9389	.8438
.9100	.9968	27.8	2646.6	2852.1	504.20	23.1	2101.0	.6120	.9892	.5704	.9388	.8301
.9200	.9972	27.5	2663.0	2850.6	504.18	22.4	2131.0	.6289	.9899	.5701	.9388	.8165
.9300	.9976	27.2	2679.4	2848.6	504.14	21.8	2163.0	.6464	.9906	.5697	.9387	.8029
.9400	.9979	26.9	2695.8	2846.7	504.10	21.2	2195.6	.6645	.9914	.5693	.9386	.7891
.9500	.9983	26.7	2712.2	2844.7	504.06	20.7	2229.5	.6832	.9921	.5689	.9386	.7754
.9600	.9986	26.4	2728.6	2842.8	504.03	20.1	2264.6	.7027	.9929	.5686	.9385	.7615
.9700	.9990	26.1	2745.0	2840.8	503.99	19.5	2301.2	.7229	.9935	.5682	.9384	.7477
.9800	.9993	25.9	2761.4	2838.4	503.94	19.0	2339.0	.7439	.9941	.5677	.9383	.7337
.9900	.9997	25.6	2777.8	2837.2	503.92	18.4	2378.7	.7658	.9948	.5674	.9383	.7199
1.0000	1.0000	25.4	2794.2	2835.2	503.88	17.9	2419.8	.7888	.9954	.5670	.9382	.7059

TABLE 6. SATURATED CRITICAL STATE PROPERTIES

(P0 8000 KPA (TSAT 549.70 K))

X0	A0	R0 KG/M3	H0 KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	ZR
0.0000	0.0000	758.3	1213.7	4054.7	524.29	440.9	1127.6	.0	.4589	.6758	.9555	.5813
.0100	.1990	613.5	1229.4	4067.3	524.47	417.2	1133.2	.0	.4892	.6779	.9558	.6800
.0200	.3437	515.9	1245.1	4060.9	524.51	394.6	1138.3	.0[illegible]	.5148	.6773	.9559	.7660
.0300	.4527	444.6	1260.8	4064.6	524.49	373.3	1143.1	.0[illegible]	.5444	.6774	.9558	.8408
.0400	.5405	390.1	1276.5	4055.6	524.30	353.5	1147.7	.0329	.[illegible]713	.6759	.9556	.9042
.0500	.6142	347.9	1292.3	4043.4	524.13	335.2	1152.2	.0361	.5980	.6739	.9552	.9635
.0600	.6108	313.9	1308.0	4030.1	523.93	318.3	1156.7	.0393	.[illegible]168	.6717	.9549	1.0140
.0700	.6403	286.0	1323.7	4015.8	523.71	302.6	[illegible]	.0425	.6370	.6692	.9545	1.0583
.0800	.6614	262.6	1339.4	4000.1	523.49	288.2	[illegible]	.0457	.6556	.6667	.9540	1.0979
.0900	.7057	242.9	1355.1	3984.7	523.26	274.8	[illegible]	.0490	.6729	.6641	.9535	1.1329
.1000	.7321	225.7	1370.8	3969.1	523.02	262.5	1176.4	.0523	.6889	.6615	.9532	1.1634
.1100	.7525	210.9	1386.5	3953.3	522.79	250.9	1179.6	.0557	.7037	.6589	.9528	1.1898
.1200	.7703	197.9	1402.2	3938.1	522.56	240.2	1182.6	.0591	.7175	.6563	.9524	1.2128
.1300	.7862	186.4	1417.9	3923.4	522.34	230.2	1185.3	.0625	.7303	.6539	.9520	1.2331
.1400	.8002	176.2	1433.6	3909.4	522.12	220.9	1187.8	.0660	.7423	.6515	.9517	1.2508
.1500	.8128	167.0	1449.4	3896.4	521.90	212.2	1190.2	.0695	.7535	.6491	.9512	1.2702
.1600	.8241	158.8	1465.1	3883.2	521.69	204.0	1204.4	.0730	.7640	.6467	.9508	1.2845
.1700	.8344	151.4	1480.9	3869.7	521.48	196.3	1209.6	.0765	.7739	.6445	.9504	1.2972
.1800	.8437	144.5	1496.8	3856.7	521.28	189.0	1214.4	.0800	.7832	.6423	.9500	1.3081
.1900	.8523	138.3	1512.6	3844.5	521.08	182.2	1220.3	.0838	.7919	.6401	.9497	1.3174
.2000	.8601	132.6	1528.6	3827.9	520.89	175.7	1225.8	.0875	.8002	.6380	.9493	1.3254
.2100	.8674	127.3	1543.7	3816.[illegible]	520.71	169.6	1231.5	.0912	.8080	.6360	.949[illegible]	1.3323
.2200	.8740	122.5	1559.4	3804.[illegible]	520.53	163.9	1236.5	.0950	.8153	.6340	.9487	1.3379
.2300	.8802	118.0	1575.2	3792.9	520.35	158.4	1241.7	.0988	.8223	.6322	.9483	1.3425
.2400	.8859	113.8	1591.0	3781.6	520.18	153.3	1246.7	.1027	.8290	.6303	.9480	1.3460
.2500	.8913	109.9	1606.9	3771.1	520.01	148.2	1251.1	.1066	.8352	.6285	.9477	1.3487
.2600	.8963	106.3	1622.7	3760.7	519.83	143.5	1256.3	.1106	.8412	.6268	.9474	1.3505
.2700	.9010	102.9	1638.7	3750.0	519.70	139.0	1260.6	.1147	.8469	.6251	.9471	1.3517
.2800	.9054	99.7	1654.7	3740.8	519.54	134.7	1264.6	.1187	.8524	.6235	.9469	1.3519
.2900	.9095	96.7	1669.4	3731.4	519.40	130.7	1270.0	.1229	.8576	.6219	.9466	1.3516
.3000	.9134	93.9	1685.1	3722.0	519.25	126.8	1274.2	.1270	.8625	.6203	.9463	1.3506
.3100	.9170	91.2	1700.8	3713.4	519.11	123.0	1279.0	.1313	.8672	.6189	.9461	1.3491
.3200	.9205	88.7	1716.6	3704.6	518.98	119.4	1283.0	.1355	.8719	.6174	.9458	1.3470
.3300	.9238	86.3	1732.4	3696.1	518.84	116.0	1288.0	.1400	.8761	.6160	.9456	1.3444
.3400	.9269	84.0	1748.2	3687.5	518.71	112.7	1292.5	.1444	.8803	.6146	.9453	1.3412
.3500	.9298	81.9	1763.7	3679.7	518.58	109.6	1297.2	.1490	.8843	.6133	.9451	1.3377
.3600	.9326	79.9	1779.4	3671.6	518.46	106.5	1301.6	.1535	.8882	.6119	.9449	1.3336
.3700	.9353	77.9	1795.1	3664.0	518.34	103.6	1306.0	.1580	.8918	.6107	.9447	1.3292
.3800	.9378	76.1	1810.8	3656.2	518.22	100.8	1310.4	.1625	.8954	.6095	.9445	1.3245
.3900	.9402	74.4	1826.5	3649.2	518.10	98.1	1314.8	.1677	.8988	.6082	.9442	1.3193
.4000	.9425	72.8	1842.2	3642.2	517.99	95.4	1319.3	.1726	.9021	.6070	.9440	1.3138
.4100	.9447	71.0	1857.9	3635.2	517.88	92.9	1323.5	.1776	.9053	.6059	.9438	1.3080
.4200	.9468	69.4	1873.6	3629.0	517.78	90.5	1327.9	.1826	.9083	.6048	.9436	1.3021
.4300	.9489	68.0	1889.4	3622.[illegible]	517.65	88.1	1332.3	.1877	.9113	.6035	.9434	1.2961
.4400	.9508	66.5	1905.1	3616.[illegible]	517.57	85.9	1336.7	.1930	.9142	.6027	.9433	1.2901
.4500	.9527	65.3	1920.8	3609.4	517.46	83.7	1340.0	.1983	.9169	.6016	.9431	1.2840
.4600	.9545	64.0	1936.5	3603.8	517.38	81.6	1345.1	.2037	.9196	.6006	.9429	1.2750
.4700	.9562	62.7	1952.3	3597.7	517.28	79.6	1349.5	.2092	.9222	.5997	.9427	1.2676
.4800	.9578	61.5	1968.0	3592.[illegible]	517.20	77.6	1353.9	.2148	.9249	.5987	.9426	1.2600
.4900	.9594	60.4	1983.8	3586.[illegible]	517.09	75.8	1358.3	.2205	.9271	.5977	.9424	1.2521
.5000	.9609	59.2	1999.4	3581.0	517.01	73.9	1362.7	.2263	.9294	.5968	.9422	1.2442
.5100	.9624	58.2	2015.1	3575.2	516.92	72.1	1367.1	.2322	.9317	.5959	.9421	1.2359
.5200	.9638	57.1	2030.8	3570.0	516.84	70.4	1371.5	.2382	.9339	.5950	.9419	1.2275
.5300	.9652	56.2	2046.5	3564.[illegible]	516.76	68.8	1375.9	.2443	.9360	.5943	.9418	1.2190
.5400	.9665	55.2	2062.2	3559.[illegible]	516.68	67.2	1380.3	.2505	.9381	.5933	.9416	1.2101
.5500	.9678	54.3	2077.9	3555.2	516.59	65.2	1384.7	.2570	.9401	.5925	.9415	1.2014
.5600	.9690	53.3	2093.6	3549.9	516.51	63.6	1389.1	.2635	.9421	.5917	.9413	1.1922
.5700	.9702	52.4	2109.3	3545.2	516.43	62.1	1393.5	.2702	.9440	.5909	.9412	1.1830
.5800	.9714	51.6	2125.0	3540.7	516.36	60.6	1397.9	.2769	.9458	.5901	.9411	1.1737
.5900	.9725	50.8	2140.8	3536.4	516.29	59.2	1402.3	.2838	.9476	.5894	.9409	1.1643
.6000	.9736	50.0	2156.5	3531.4	516.22	57.8	1406.7	.2909	.9494	.5886	.9408	1.1545
.6100	.9747	49.3	2172.2	3527.6	516.14	56.4	1411.1	.2981	.9511	.5879	.9407	1.1449
.6200	.9757	48.5	2187.9	3523.8	516.08	55.1	1415.5	.3056	.9527	.5873	.9406	1.1352
.6300	.9767	47.8	2203.5	3519.8	516.01	53.8	1419.9	.3130	.9544	.5865	.9404	1.1250
.6400	.9776	47.1	2219.3	3514.7	515.93	52.5	1424.3	.3206	.9559	.5858	.9403	1.1149
.6500	.9784	46.4	2235.0	3511.2	515.87	51.3	1428.7	.3285	.9575	.5852	.9402	1.1049
.6600	.9795	45.8	2250.8	3506.8	515.80	50.1	1433.7	.3365	.9590	.5845	.9400	1.0945
.6700	.9804	45.1	2266.5	3503.3	515.74	48.9	1437.9	.3447	.9604	.5839	.9399	1.0842
.6800	.9812	44.5	2282.2	3499.2	515.68	47.8	1442.3	.3531	.9619	.5833	.9398	1.0736
.6900	.9820	43.9	2297.9	3496.0	515.62	46.6	1446.7	.3617	.9632	.5827	.9397	1.0631
.7000	.9828	43.3	2313.6	3492.2	515.56	45.6	1451.1	.3705	.9646	.5820	.9396	1.0524
.7100	.9837	42.7	2329.3	3488.1	515.49	44.5	1455.5	.3794	.9659	.5813	.9395	1.0415
.7200	.9844	42.2	2345.0	3484.4	515.44	43.4	1459.9	.3886	.9673	.5808	.9394	1.0307
.7300	.9852	41.6	2360.8	3481.3	515.38	42.4	1464.4	.3981	.9685	.5802	.9393	1.0199
.7400	.9859	41.1	2376.5	3478.4	515.34	41.4	1468.8	.4079	.9697	.5797	.9392	1.0090
.7455	.9864	40.8	2384.2	3474.6	515.27	40.8	1470.4	.4177	.9709	.5791	.9391	.9974
.7500	.9873	40.0	2407.9	3471.4	515.22	39.5	1478.1	.4278	.9721	.5786	.9390	.9867
.7600	.9886	39.0	2423.6	3468.2	515.17	38.6	1482.5	.4379	.9733	.5781	.9389	.9755
.7700	.9897	38.1	2439.3	3465.5	515.12	37.7	1486.9	.4480	.9744	.5776	.9388	.9641
.7800	.9908	37.2	2455.0	3461.7	515.06	36.8	1491.4	.4582	.9755	.5770	.9387	.9524
.7900	.9918	36.4	2470.7	3459.4	515.02	35.9	1495.8	.4712	.9766	.5766	.9385	.9415
.8000	.9929	35.6	2486.5	3456.4	514.97	35.1	1500.2	.4828	.9776	.5761	.9384	.9301
.8100	.9938	34.8	2502.2	3453.5	514.92	34.2	1504.7	.4944	.9787	.5756	.9384	.9188
.8200	.9947	34.1	2517.9	3450.8	514.87	33.4	1509.0	.5060	.9797	.5751	.9384	.9070
.8300	.9957	33.4	2533.6	3447.8	514.82	32.6	1513.5	.5194	.9807	.5748	.9382	.8953
.8400	.9966	32.7	2549.3	3445.0	514.78	31.8	1518.0	.5324	.9817	.5742	.9382	.8835
.8500	.9974	32.0	2565.0	3442.1	514.73	31.0	1522.4	.5457	.9826	.5737	.9381	.8719
.8600	.9980	31.4	2580.7	3438.4	514.68	30.3	1526.9	.5593	.9835	.5731	.9380	.8600
.8700	.9987	30.8	2596.4	3436.4	514.65	29.6	1531.4	.5735	.9845	.5728	.9379	.8483
.8800	.9993	30.2	2612.2	3433.4	514.59	28.8	1535.9	.5880	.9854	.5723	.9378	.8363
.8900	.9998	29.7	2627.9	3431.9	514.56	28.1	1540.3	.6030	.9862	.5719	.9378	.8244
.9000	1.0003	29.2	2643.6	3429.3	514.52	27.4	1544.8	.6185	.9871	.5715	.9377	.8124
.9100	1.0008	28.7	2659.3	3425.5	514.47	26.7	1549.3	.6344	.9880	.5710	.9376	.8003
.9200	1.0013	28.3	2675.0	3424.3	514.44	26.1	1553.8	.6509	.9888	.5707	.9376	.7883
.9300	1.0017	27.9	2690.7	3421.3	514.39	25.4	1558.3	.6679	.9896	.5702	.9375	.7763
.9400	1.0021	27.6	2706.4	3419.2	514.36	24.9	1562.8	.6856	.9904	.5699	.9374	.7640
.9500	1.0025	27.3	2722.2	3416.9	514.31	24.3	1567.3	.7038	.9912	.5695	.9373	.7519
.9600	1.0028	27.1	2737.9	3414.6	514.27	23.8	1571.8	.7224	.9920	.5691	.9373	.7396
.9700	1.0031	26.9	2753.6	3412.8	514.24	23.3	1576.3	.7421	.9927	.5687	.9372	.7274
.9800	1.0033	26.7	2769.3	3410.6	514.19	22.8	1580.8	.7623	.9934	.5683	.9371	.7150
.9900	1.0036	26.6	2785.0	3408.1	514.17	22.4	1585.3	.7833	.9942	.5680	.9371	.7027

TABLE 6. SATURATED CRITICAL STATE PROPERTIES

(P0 7000 KPA (TSAT 558.94 K))

X0	A0	R0 KG/M3	H0 KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	P0	T0	R0
0.0000	0.0000	740.0	1267.4	4694.9	533.16	435.2	1176.5	.0250	.4587	.6707	.9539	.5882
.0100	.1699	620.5	1282.5	4704.6	533.28	414.1	1182.0	.0270	.4684	.6721	.9541	.6073
.0200	.2925	554.3	1292.5	4705.4	533.29	393.7	1187.2	.0319	.4731	.6722	.9541	.7371
.0300	.3852	469.0	1313.6	4700.4	533.23	374.7	1192.0	.0347	.4783	.6718	.9540	.7984
.0400	.4577	418.0	1327.7	4691.6	533.11	356.8	1196.6	.0374	.4819	.6702	.9538	.8535
.0500	.5160	377.0	1342.7	4679.9	532.96	340.1	1201.0	.0406	.5840	.6696	.9535	.9020
.0600	.5639	343.3	1357.8	4666.2	532.78	324.5	1206.2	.0439	.6046	.6666	.9532	.9451
.0700	.6039	315.2	1372.8	4652.0	532.59	310.0	1210.9	.0477	.6237	.6646	.9529	.9836
.0800	.6399	291.3	1387.9	4637.5	532.39	296.5	1215.6	.0507	.6415	.6624	.9525	1.0178
.0900	.6670	270.8	1403.0	4621.4	532.19	283.9	1220.4	.0541	.6581	.6607	.9521	1.0485
.1000	.6924	252.9	1418.0	4605.4	531.98	272.1	1225.2	.0576	.6737	.6579	.9518	1.0757
.1100	.7146	237.3	1433.1	4589.5	531.78	261.1	1230.0	.0611	.6883	.6555	.9514	1.1001
.1200	.7342	223.5	1448.1	4574.0	531.58	250.8	1235.0	.0647	.7019	.6534	.9510	1.1218
.1300	.7519	211.1	1463.2	4558.4	531.39	241.1	1240.0	.0684	.7144	.6513	.9507	1.1411
.1400	.7683	200.1	1478.3	4543.5	531.19	232.0	1245.1	.0718	.7264	.6497	.9503	1.1581
.1500	.7814	190.3	1493.3	4528.9	530.99	223.4	1250.3	.0755	.7376	.6469	.9499	1.1741
.1600	.7942	181.3	1508.4	4513.8	530.79	215.4	1255.6	.0791	.7482	.6448	.9496	1.1878
.1700	.8058	173.2	1523.4	4498.4	530.59	207.8	1260.9	.0828	.7582	.6428	.9492	1.2008
.1800	.8164	165.9	1538.5	4482.9	530.38	200.6	1266.3	.0865	.7676	.6407	.9488	1.2124
.1900	.8261	159.3	1553.6	4467.4	530.18	193.7	1271.9	.0904	.7765	.6388	.9485	1.2237
.2000	.8351	153.5	1568.6	4452.1	529.99	187.3	1277.5	.0943	.7850	.6369	.9482	1.2344
.2100	.8434	148.7	1583.7	4445.1	529.81	181.1	1283.3	.0981	.7930	.6350	.9479	1.2447
.2200	.8510	144.3	1598.8	4432.4	529.64	175.3	1289.1	.1021	.8005	.6332	.9476	1.2546
.2300	.8582	140.5	1613.8	4420.5	530.48	169.8	1295.1	.1060	.8078	.6314	.9473	1.2642
.2400	.8649	137.1	1628.9	4408.5	530.31	164.5	1301.1	.1101	.8147	.6298	.9470	1.2737
.2500	.8710	134.3	1643.9	4396.9	529.15	159.5	1307.3	.1141	.8217	.6281	.9467	1.2830
.2600	.8768	131.8	1659.0	4385.9	529.00	154.7	1313.6	.1183	.8274	.6266	.9464	1.2922
.2700	.8821	129.6	1674.0	4375.0	528.84	150.1	1319.9	.1224	.8334	.6249	.9461	1.3013
.2800	.8874	127.8	1689.1	4363.8	528.69	145.8	1326.4	.1267	.8390	.6233	.9458	1.3104
.2900	.8924	126.5	1704.2	4353.8	528.55	141.6	1333.0	.1310	.8446	.6219	.9456	1.3194
.3000	.8969	125.2	1719.2	4342.5	528.40	137.4	1339.7	.1353	.8498	.6204	.9454	1.3286
.3100	.9010	124.2	1734.3	4333.0	528.27	133.6	1346.6	.1397	.8548	.6190	.9451	1.3381
.3200	.9051	123.3	1749.3	4322.9	528.13	129.9	1353.6	.1442	.8596	.6176	.9449	1.3479
.3300	.9089	122.6	1764.4	4313.8	527.99	126.3	1360.7	.1489	.8642	.6163	.9446	1.3582
.3400	.9126	122.1	1779.5	4304.6	527.87	122.9	1367.9	.1533	.8685	.6149	.9444	1.3688
.3500	.9160	121.6	1794.5	4295.0	527.74	119.6	1375.2	.1579	.8729	.6136	.9442	1.3800
.3600	.9193	121.3	1809.6	4286.6	527.62	116.4	1382.7	.1627	.8770	.6124	.9440	1.3917
.3700	.9225	121.1	1824.7	4277.8	527.50	113.3	1390.3	.1675	.8810	.6111	.9437	1.4044
.3800	.9255	121.0	1839.7	4270.1	527.38	110.4	1398.1	.1721	.8849	.6100	.9435	1.4180
.3900	.9283	121.0	1854.8	4261.5	527.26	107.6	1406.0	.1773	.8884	.6089	.9433	1.4328
.4000	.9311	121.0	1869.8	4254.0	527.16	104.8	1414.1	.1823	.8919	.6077	.9431	1.4486
.4100	.9337	121.2	1884.9	4245.8	527.04	102.2	1422.3	.1876	.8954	.6063	.9429	1.4659
.4200	.9362	121.4	1900.0	4238.3	526.94	99.6	1430.6	.1928	.8987	.6055	.9427	1.4850
.4300	.9386	121.7	1915.0	4230.9	526.83	97.1	1439.1	.1978	.9018	.6044	.9425	1.5059
.4400	.9409	122.1	1930.1	4223.8	526.73	94.7	1447.8	.2031	.9049	.6034	.9424	1.5289
.4500	.9431	122.6	1945.1	4216.4	526.62	92.4	1456.6	.2086	.9079	.6023	.9422	1.5542
.4600	.9452	123.1	1960.2	4209.6	526.53	90.1	1465.6	.2141	.9108	.6014	.9420	1.5819
.4700	.9473	123.6	1975.3	4203.4	526.44	88.0	1474.8	.2197	.9136	.6005	.9419	1.6123
.4800	.9492	124.2	1990.3	4196.9	526.35	85.9	1484.1	.2256	.9163	.5996	.9417	1.6455
.4900	.9511	124.9	2005.4	4189.7	526.24	83.8	1493.6	.2312	.9190	.5985	.9415	1.6814
.5000	.9530	125.6	2020.4	4183.8	526.16	81.9	1503.3	.2371	.9215	.5977	.9414	1.7201
.5100	.9547	126.4	2035.5	4177.6	526.07	79.9	1513.2	.2431	.9239	.5968	.9412	1.7618
.5200	.9564	127.2	2050.6	4171.3	525.98	78.0	1523.3	.2492	.9263	.5959	.9410	1.8065
.5300	.9581	128.0	2065.6	4165.6	525.90	76.2	1533.6	.2554	.9286	.5951	.9409	1.8543
.5400	.9598	128.9	2080.7	4159.8	525.82	74.4	1544.0	.2618	.9309	.5943	.9407	1.9054
.5500	.9612	129.8	2095.7	4154.5	525.74	72.7	1554.8	.2682	.9331	.5935	.9406	1.9599
.5600	.9627	130.8	2110.8	4149.1	525.66	71.0	1565.7	.2748	.9352	.5927	.9405	2.0181
.5700	.9641	131.8	2125.9	4143.6	525.58	69.4	1576.8	.2815	.9373	.5919	.9403	2.0802
.5800	.9655	132.8	2140.9	4138.8	525.50	67.8	1588.1	.2883	.9393	.5911	.9402	2.1461
.5900	.9668	133.9	2156.0	4133.0	525.43	66.3	1599.7	.2953	.9413	.5904	.9400	2.2160
.6000	.9681	135.0	2171.0	4127.9	525.39	64.8	1611.6	.3024	.9432	.5897	.9399	2.0997
.6100	.9694	136.1	2186.1	4122.4	525.28	63.3	1623.6	.3096	.9451	.5889	.9398	1.0902
.6200	.9706	137.2	2201.2	4118.0	525.21	61.9	1636.0	.3170	.9469	.5883	.9397	1.0818
.6300	.9718	138.4	2216.2	4112.2	525.15	60.5	1648.5	.3245	.9487	.5875	.9395	1.0730
.6400	.9730	139.5	2231.3	4108.3	525.07	59.1	1661.5	.3322	.9504	.5869	.9394	1.0644
.6500	.9741	140.7	2246.3	4104.3	525.01	57.8	1674.6	.3401	.9521	.5863	.9393	1.0556
.6600	.9752	142.0	2261.4	4098.8	524.93	56.5	1688.0	.3480	.9538	.5855	.9392	1.0465
.6700	.9763	143.2	2276.5	4094.7	524.87	55.2	1701.6	.3561	.9554	.5850	.9391	1.0375
.6800	.9773	144.5	2291.5	4090.9	524.80	54.0	1715.4	.3643	.9569	.5843	.9389	1.0283
.6900	.9783	145.8	2306.6	4086.2	524.75	52.8	1729.4	.3731	.9585	.5837	.9388	1.0191
.7000	.9793	147.1	2321.6	4081.4	524.68	51.6	1744.8	.3818	.9600	.5831	.9387	1.0097
.7100	.9802	148.4	2336.7	4077.6	524.62	50.5	1759.9	.3907	.9614	.5825	.9386	1.0004
.7200	.9812	149.8	2351.8	4073.2	524.56	49.3	1775.2	.3998	.9629	.5819	.9385	.9908
.7300	.9821	151.1	2366.8	4069.3	524.50	48.2	1790.8	.4091	.9643	.5813	.9384	.9812
.7400	.9830	152.5	2381.9	4065.7	524.45	47.1	1807.1	.4186	.9656	.5808	.9383	.9716
.7500	.9838	154.0	2396.9	4061.9	524.39	46.1	1823.6	.4284	.9670	.5803	.9382	.9619
.7600	.9846	155.4	2412.0	4057.6	524.33	45.1	1840.4	.4383	.9683	.5797	.9381	.9521
.7700	.9855	156.9	2427.1	4054.4	524.28	44.1	1857.8	.4486	.9695	.5792	.9380	.9423
.7800	.9863	158.4	2442.1	4050.6	524.23	43.1	1875.5	.4590	.9708	.5787	.9379	.9323
.7900	.9870	160.0	2457.2	4046.5	524.17	42.1	1893.7	.4697	.9720	.5781	.9378	.9222
.8000	.9878	161.6	2472.2	4042.8	524.11	41.1	1912.3	.4807	.9732	.5775	.9377	.9122
.8100	.9886	163.2	2487.3	4040.0	524.07	40.2	1931.5	.4920	.9744	.5771	.9376	.9021
.8200	.9893	164.9	2502.4	4036.6	524.02	39.3	1951.1	.5035	.9755	.5767	.9375	.8920
.8300	.9900	166.7	2517.4	4033.2	523.97	38.4	1971.2	.5154	.9767	.5762	.9374	.8817
.8400	.9907	168.5	2532.5	4029.1	523.91	37.5	1991.8	.5275	.9778	.5756	.9373	.8713
.8500	.9914	170.4	2547.5	4026.0	523.89	36.7	2013.1	.5400	.9789	.5751	.9373	.8610
.8600	.9920	172.3	2562.6	4023.3	523.83	35.8	2035.0	.5528	.9799	.5744	.9372	.8506
.8700	.9927	174.3	2577.7	4020.2	523.78	35.0	2057.4	.5659	.9810	.5741	.9371	.8402
.8800	.9933	176.2	2592.7	4016.8	523.73	34.2	2080.4	.5794	.9820	.5738	.9370	.8296
.8900	.9939	178.3	2607.8	4013.4	523.68	33.4	2104.1	.5933	.9830	.5733	.9369	.8191
.9000	.9945	180.4	2622.9	4011.0	523.65	32.6	2128.5	.6077	.9840	.5730	.9369	.8085
.9100	.9951	182.6	2637.9	4007.2	523.59	31.9	2153.6	.6223	.9849	.5725	.9368	.7978
.9200	.9957	184.9	2653.0	4004.8	523.55	31.1	2179.5	.6375	.9859	.5721	.9367	.7871
.9300	.9963	187.3	2668.0	4002.1	523.51	30.4	2206.2	.6531	.9868	.5719	.9366	.7765
.9400	.9969	189.8	2683.1	3998.7	523.46	29.7	2233.8	.6691	.9877	.5712	.9365	.7656
.9500	.9974	192.4	2698.2	3995.6	523.42	28.9	2262.4	.6857	.9886	.5709	.9364	.7549
.9600	.9979	195.0	2713.2	3992.9	523.38	28.3	2291.9	.7027	.9895	.5704	.9364	.7439
.9700	.9985	197.8	2728.3	3990.1	523.34	27.6	2322.5	.7203	.9904	.5703	.9363	.7330
.9800	.9990	200.7	2743.3	3987.4	523.30	26.9	2354.2	.7385	.9912	.5695	.9362	.7221
.9900	.9995	203.7	2758.4	3985.0	523.26	26.2	2386.9	.7573	.9920	.5691	.9362	.7113
1.0000	1.0000	206.9	2773.5	3983.0	523.23	25.6	2420.7	.7768	.9929	.5690	.9361	.7002

TABLE . SATURATED CRITICAL STATE PROPERTIES

(P0 8000 KPA (TSAT 568.12 K))

X0	A0	R0 KG/M3	H0 KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	P0	T0	R0
0.0000	0.0000	722.4	1317.1	5330.5	541.05	429.1	1221.8	.0291	.4597	.6663	.9524	.5940
.0100	.1465	622.8	1331.5	5336.9	541.17	410.1	1227.1	.0322	.4853	.6671	.9526	.6554
.0200	.2873	547.3	1346.0	5336.1	541.16	395.8	1232.3	.0354	.5038	.6674	.9526	.7159
.0300	.3944	488.2	1360.4	5331.1	541.10	384.6	1237.5	.0386	.5230	.6644	.9524	.7673
.0400	.4146	440.6	1374.8	5322.1	540.99	375.3	1242.6	.0420	.5440	.6653	.9522	.8134
.0500	.4721	401.4	1389.2	5310.9	540.85	367.1	1247.8	.0454	.5755	.6634	.9520	.8547
.0600	.5203	368.6	1403.7	5297.5	540.70	359.7	1253.0	.0488	.5949	.6622	.9517	.8917
.0700	.5614	340.8	1418.2	5283.0	540.53	353.1	1258.2	.0523	.6139	.6604	.9514	.9250
.0800	.5964	316.9	1432.8	5268.0	540.36	347.0	1263.4	.0559	.6300	.6585	.9511	.9550
.0900	.6270	296.0	1447.4	5253.1	540.19	341.4	1268.7	.0594	.6459	.6566	.9508	.9821
.1000	.6538	277.9	1461.4	5238.9	539.69	336.2	1274.0	.0630	.6610	.6548	.9505	1.0064
.1100	.6775	261.8	1475.8	5221.1	539.78	331.3	1279.3	.0666	.6751	.6525	.9501	1.0283
.1200	.6986	247.5	1490.2	5204.1	539.58	326.8	1284.5	.0702	.6883	.6506	.9498	1.0480
.1300	.7175	234.6	1504.6	5186.9	539.37	322.5	1289.8	.0739	.7008	.6487	.9494	1.0659
.1400	.7345	222.9	1519.1	5169.4	539.16	318.5	1295.0	.0777	.7126	.6467	.9491	1.0817
.1500	.7499	212.3	1533.5	5151.8	538.94	314.8	1300.3	.0815	.7238	.6448	.9488	1.0960
.1600	.7640	203.0	1547.9	5143.2	538.83	225.1	1307.3	.0853	.7343	.6429	.9484	1.1088
.1700	.7768	194.4	1562.4	5125.4	538.60	317.6	1307.8	.0891	.7443	.6410	.9481	1.1202
.1800	.7886	186.6	1576.8	5107.5	538.37	310.5	1313.3	.0930	.7538	.6392	.9478	1.1304
.1900	.7995	179.4	1591.3	5089.5	538.13	303.8	1318.7	.0969	.7628	.6374	.9475	1.1393
.2000	.8099	172.8	1605.7	5071.4	537.89	297.4	1324.2	.1009	.7713	.6357	.9472	1.1474
.2100	.8198	166.7	1620.1	5072.3	537.96	191.3	1330.5	.1049	.7794	.6340	.9469	1.1543
.2200	.8294	161.0	1634.6	5053.8	537.70	185.6	1335.4	.1090	.7872	.6323	.9466	1.1602
.2300	.8354	155.7	1649.0	5035.2	537.44	179.9	1340.9	.1131	.7946	.6307	.9463	1.1654
.2400	.8429	150.7	1663.4	5032.6	537.37	174.6	1346.4	.1172	.8016	.6291	.9460	1.1697
.2500	.8500	146.0	1677.8	5020.7	537.32	169.6	1351.7	.1214	.8083	.6276	.9458	1.1734
.2600	.8566	140.0	1692.2	5008.8	537.17	164.7	1361.0	.1257	.8148	.6261	.9455	1.1763
.2700	.8629	135.8	1706.7	4996.8	537.01	160.1	1362.4	.1300	.8209	.6245	.9453	1.1785
.2800	.8686	131.7	1721.1	4985.2	536.86	155.6	1367.9	.1343	.8268	.6231	.9450	1.1803
.2900	.8741	128.1	1735.5	4973.5	536.70	151.4	1373.4	.1387	.8325	.6217	.9448	1.1819
.3000	.8793	124.4	1749.9	4962.9	536.60	147.3	1378.9	.1432	.8379	.6204	.9445	1.1819
.3100	.8842	121.2	1764.4	4951.6	536.45	143.3	1384.1	.1477	.8432	.6189	.9443	1.1819
.3200	.8888	118.1	1778.8	4941.2	536.32	139.5	1389.7	.1523	.8482	.6177	.9440	1.1815
.3300	.8931	115.1	1793.2	4930.9	536.19	135.8	1395.2	.1569	.8530	.6164	.9438	1.1806
.3400	.8972	112.4	1807.6	4920.7	536.07	132.3	1400.6	.1616	.8576	.6151	.9435	1.1793
.3500	.9011	109.9	1822.1	4911.1	535.94	128.9	1406.1	.1664	.8621	.6139	.9434	1.1777
.3600	.9053	106.9	1836.5	4901.6	535.82	125.7	1430.2	.1712	.8664	.6127	.9432	1.1756
.3700	.9088	104.4	1850.9	4892.2	535.70	122.6	1437.8	.1761	.8706	.6115	.9430	1.1732
.3800	.9124	102.1	1865.4	4883.6	535.58	119.6	1445.4	.1811	.8746	.6104	.9428	1.1704
.3900	.9157	99.8	1879.8	4874.6	535.48	116.8	1453.4	.1862	.8785	.6093	.9426	1.1674
.4000	.9189	97.6	1894.2	4866.0	535.37	113.7	1461.4	.1913	.8822	.6083	.9424	1.1642
.4100	.9219	95.6	1908.6	4857.4	535.26	110.9	1469.6	.1964	.8858	.6072	.9422	1.1605
.4200	.9249	93.6	1923.1	4848.4	535.15	108.2	1477.8	.2017	.8893	.6062	.9420	1.1565
.4300	.9276	91.9	1937.5	4841.0	535.05	105.7	1486.3	.2071	.8927	.6051	.9418	1.1524
.4400	.9303	90.0	1951.9	4833.6	534.94	103.2	1494.8	.2125	.8960	.6041	.9416	1.1479
.4500	.9329	88.1	1966.4	4824.8	534.84	100.8	1503.5	.2180	.8992	.6031	.9414	1.1433
.4600	.9354	86.4	1980.8	4817.6	534.75	98.4	1512.4	.2236	.9022	.6022	.9413	1.1385
.4700	.9378	84.8	1995.2	4810.4	534.64	96.1	1521.4	.2293	.9052	.6012	.9411	1.1332
.4800	.9401	83.3	2009.6	4802.7	534.56	93.9	1530.7	.2351	.9081	.6003	.9409	1.1276
.4900	.9423	81.7	2024.1	4795.7	534.47	91.8	1540.1	.2409	.9109	.5995	.9408	1.1214
.5000	.9444	80.3	2038.5	4788.7	534.38	89.7	1549.6	.2469	.9136	.5986	.9406	1.1149
.5100	.9465	78.9	2052.9	4781.3	534.28	87.6	1559.3	.2530	.9163	.5977	.9404	1.1109
.5200	.9485	77.5	2067.4	4775.0	534.20	85.7	1569.2	.2591	.9189	.5969	.9403	1.0950
.5300	.9504	76.2	2081.8	4768.6	534.11	83.8	1579.2	.2654	.9214	.5960	.9402	1.0885
.5400	.9523	75.0	2096.2	4762.5	534.04	82.0	1589.6	.2718	.9238	.5951	.9400	1.0822
.5500	.9541	73.7	2110.6	4755.1	533.94	80.1	1600.0	.2783	.9262	.5944	.9398	1.0494
.5600	.9558	72.6	2125.1	4749.0	533.86	78.3	1610.7	.2849	.9285	.5935	.9397	1.0792
.5700	.9575	71.4	2139.5	4743.4	533.79	76.6	1621.6	.2916	.9307	.5929	.9396	1.0726
.5800	.9591	70.3	2153.9	4736.9	533.71	74.9	1632.6	.2984	.9330	.5921	.9394	1.0655
.5900	.9607	69.2	2168.3	4731.1	533.63	73.3	1643.9	.3054	.9350	.5914	.9393	1.0579
.6000	.9623	68.2	2182.8	4725.0	533.55	71.7	1655.4	.3124	.9371	.5906	.9392	1.0512
.6100	.9637	67.2	2197.2	4719.5	533.48	70.1	1667.2	.3197	.9391	.5899	.9390	1.0439
.6200	.9652	66.2	2211.6	4714.1	533.41	68.6	1679.2	.3271	.9411	.5893	.9389	1.0365
.6300	.9666	65.2	2226.1	4708.6	533.34	67.2	1691.4	.3346	.9430	.5886	.9388	1.0290
.6400	.9680	64.3	2240.5	4703.3	533.27	65.8	1703.9	.3422	.9449	.5879	.9387	1.0214
.6500	.9693	63.4	2254.9	4698.4	533.20	64.3	1716.6	.3500	.9467	.5873	.9385	1.0137
.6600	.9706	62.5	2269.3	4693.4	533.14	62.9	1727.6	.3580	.9485	.5867	.9384	1.0059
.6700	.9718	61.7	2283.8	4688.3	533.07	61.5	1741.9	.3661	.9503	.5860	.9383	.9979
.6800	.9731	60.8	2298.2	4682.8	533.00	60.2	1756.4	.3743	.9520	.5854	.9382	.9898
.6900	.9742	60.0	2312.6	4678.2	532.94	58.9	1770.3	.3827	.9539	.5848	.9381	.9814
.7000	.9754	59.2	2327.1	4673.2	532.87	57.7	1784.3	.3913	.9553	.5842	.9380	.9735
.7100	.9765	58.5	2341.5	4668.6	532.81	56.4	1798.8	.4001	.9568	.5836	.9379	.9652
.7200	.9776	57.7	2355.9	4663.9	532.75	55.2	1813.5	.4091	.9584	.5830	.9377	.9569
.7300	.9787	57.0	2370.3	4659.8	532.70	54.1	1828.6	.4182	.9599	.5825	.9376	.9485
.7400	.9797	56.2	2384.8	4654.7	532.63	52.9	1844.0	.4275	.9614	.5819	.9375	.9399
.7500	.9808	55.6	2399.2	4650.8	532.58	51.8	1859.8	.4371	.9629	.5813	.9374	.9314
.7600	.9818	54.9	2413.6	4646.5	532.52	50.7	1875.9	.4469	.9643	.5807	.9373	.9227
.7700	.9827	54.3	2428.0	4642.2	532.46	49.6	1892.3	.4569	.9657	.5803	.9372	.9140
.7800	.9837	53.6	2442.5	4638.5	532.40	48.6	1909.1	.4671	.9671	.5797	.9371	.9051
.7900	.9846	53.0	2456.9	4634.0	532.35	47.5	1926.4	.4775	.9684	.5792	.9370	.8961
.8000	.9855	52.4	2471.3	4629.3	532.29	46.5	1944.0	.4882	.9697	.5787	.9369	.8869
.8100	.9864	51.8	2485.8	4625.8	532.25	45.5	1962.1	.4991	.9710	.5782	.9368	.8776
.8200	.9872	51.2	2500.2	4622.1	532.19	44.5	1980.5	.5103	.9723	.5777	.9367	.8682
.8300	.9881	50.6	2514.6	4618.4	532.14	43.6	1999.4	.5218	.9736	.5771	.9366	.8587
.8400	.9889	50.0	2529.0	4614.7	532.09	42.6	2019.0	.5334	.9747	.5767	.9365	.8490
.8500	.9897	49.5	2543.5	4610.5	532.04	41.7	2039.0	.5455	.9759	.5763	.9365	.8419
.8600	.9905	49.0	2557.9	4606.3	531.99	40.8	2059.4	.5577	.9771	.5758	.9364	.8326
.8700	.9913	48.4	2572.3	4602.2	531.93	39.9	2080.3	.5704	.9782	.5753	.9363	.8230
.8800	.9920	47.9	2586.8	4598.6	531.89	39.0	2101.9	.5833	.9793	.5750	.9362	.8140
.8900	.9928	47.4	2601.2	4595.3	531.84	38.1	2123.9	.5965	.9804	.5744	.9361	.8045
.9000	.9935	46.9	2615.6	4591.6	531.80	37.3	2146.7	.6102	.9815	.5741	.9361	.7951
.9100	.9942	46.4	2630.0	4589.1	531.76	36.5	2169.9	.6242	.9826	.5736	.9360	.7856
.9200	.9949	46.0	2644.5	4585.2	531.71	35.7	2193.8	.6386	.9836	.5731	.9359	.7760
.9300	.9956	45.5	2658.9	4582.4	531.67	34.9	2218.4	.6533	.9846	.5728	.9358	.7664
.9400	.9963	45.1	2673.3	4578.7	531.62	34.2	2243.6	.6684	.9856	.5723	.9358	.7569
.9500	.9969	44.6	2687.8	4575.8	531.58	33.5	2269.6	.6841	.9866	.5720	.9357	.7471
.9600	.9976	44.2	2702.2	4571.9	531.53	32.8	2296.3	.7001	.9876	.5715	.9356	.7373
.9700	.9982	43.9	2716.6	4568.8	531.49	32.1	2323.8	.7165	.9885	.5711	.9355	.7274
.9800	.9989	43.3	2731.0	4566.6	531.44	31.4	2352.1	.7335	.9895	.5707	.9354	.7174
.9900	.9994	42.9	2745.4	4563.3	531.41	30.8	2381.3	.7511	.9904	.5704	.9353	.7074
1.0000	1.0000	42.5	2759.9	4560.5	531.38	30.2	2411.5	.7691	.9913	.5701	.9353	.6983

TABLE . SATURATED CRITICAL STATE PROPERTIES

(PO 9000 KPA (TSAT 576.46 K))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	S* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
0.0000	0.0000	705.3	1363.7	5961.2	548.29	422.5	1264.3	.0335	.4620	.6674	.9511	.9991
.0100	.1274	421.4	1377.5	5965.6	548.32	405.4	1269.5	.0367	.4855	.6678	.9512	.6521
.0200	.2578	484.7	1391.3	5963.8	548.31	389.0	1274.6	.0400	.5080	.6676	.9512	.8999
.0300	.3089	502.5	1404.2	5957.7	548.24	373.3	1279.6	.0434	.5295	.6670	.9510	.9430
.0400	.3759	458.4	1419.0	5948.2	548.13	358.5	1284.5	.0469	.5499	.6659	.9509	.9750
.0500	.4321	421.6	1431.8	5936.8	548.01	344.6	1289.5	.0503	.5692	.6596	.9507	.9917
.0600	.4799	390.2	1446.6	5924.2	547.87	331.4	1294.4	.0539	.5873	.6582	.9504	.9992
.0700	.5211	363.4	1460.4	5910.5	547.72	318.9	1299.3	.0575	.6044	.6567	.9501	.9987
.0800	.5569	340.0	1474.2	5895.9	547.56	307.1	1304.2	.0611	.6207	.6550	.9498	.9944
.0900	.5884	319.0	1488.0	5879.7	547.38	296.1	1309.2	.0648	.6360	.6533	.9496	.9869
.1000	.6163	300.7	1501.8	5864.1	547.21	285.6	1314.2	.0685	.6503	.6516	.9493	.9768
.1100	.6411	284.4	1515.6	5848.4	547.03	275.7	1319.3	.0722	.6640	.6498	.9490	.9645
.1200	.6634	269.7	1529.4	5832.2	546.86	266.3	1324.4	.0760	.6769	.6480	.9487	.9502
.1300	.6835	256.5	1543.2	5816.4	546.68	257.4	1329.6	.0798	.6891	.6463	.9483	1.0033
.1400	.7018	244.6	1557.1	5800.6	546.50	249.0	1334.9	.0836	.7006	.6445	.9480	1.0179
.1500	.7184	233.7	1570.9	5785.4	546.33	241.0	1340.1	.0875	.7115	.6428	.9477	1.0312
.1600	.7336	223.7	1584.7	5769.6	546.16	233.3	1345.7	.0914	.7220	.6411	.9474	1.0430
.1700	.7475	214.5	1598.5	5754.4	545.99	226.1	1351.2	.0954	.7320	.6394	.9471	1.0533
.1800	.7604	206.1	1612.3	5739.5	545.82	219.2	1356.8	.0994	.7414	.6377	.9469	1.0624
.1900	.7722	198.3	1626.1	5725.2	545.66	212.6	1362.5	.1034	.7504	.6361	.9466	1.0720
.2000	.7833	191.1	1639.9	5710.3	545.49	206.3	1368.2	.1075	.7590	.6345	.9463	1.0796
.2100	.7935	184.4	1653.7	5696.2	545.33	200.3	1374.0	.1116	.7671	.6329	.9460	1.0864
.2200	.8030	178.1	1667.5	5682.1	545.17	194.5	1380.0	.1158	.7750	.6313	.9457	1.0923
.2300	.8120	172.2	1681.3	5669.7	545.02	189.0	1386.0	.1200	.7824	.6298	.9455	1.0975
.2400	.8203	166.8	1695.1	5657.5	544.87	183.8	1392.1	.1243	.7896	.6284	.9452	1.1020
.2500	.8281	161.6	1708.9	5643.0	544.73	178.7	1398.4	.1286	.7964	.6270	.9450	1.1059
.2600	.8355	156.8	1722.8	5630.3	544.58	173.9	1404.7	.1329	.8030	.6256	.9447	1.1091
.2700	.8424	152.2	1736.6	5617.5	544.43	169.2	1411.1	.1373	.8093	.6241	.9445	1.1119
.2800	.8490	147.8	1750.4	5605.7	544.30	164.8	1417.6	.1418	.8154	.6228	.9443	1.1137
.2900	.8552	143.9	1764.2	5593.1	544.16	160.4	1424.2	.1463	.8212	.6215	.9440	1.1152
.3000	.8610	140.0	1778.0	5582.5	544.02	156.3	1430.9	.1508	.8268	.6202	.9437	1.1162
.3100	.8666	136.4	1791.8	5570.1	543.89	152.3	1437.8	.1554	.8322	.6189	.9435	1.1168
.3200	.8718	132.9	1805.6	5559.6	543.77	148.5	1444.7	.1601	.8373	.6177	.9433	1.1170
.3300	.8768	129.6	1819.4	5548.5	543.64	144.8	1451.8	.1648	.8423	.6165	.9431	1.1168
.3400	.8816	126.5	1833.2	5537.1	543.51	141.2	1458.9	.1696	.8472	.6152	.9429	1.1160
.3500	.8862	123.5	1847.0	5527.4	543.40	137.8	1466.2	.1745	.8518	.6142	.9427	1.1151
.3600	.8905	120.7	1860.8	5516.7	543.28	134.4	1473.6	.1794	.8563	.6130	.9424	1.1137
.3700	.8946	118.0	1874.7	5506.7	543.17	131.2	1481.2	.1844	.8606	.6119	.9423	1.1120
.3800	.8986	115.4	1888.5	5496.6	543.05	128.2	1488.8	.1894	.8648	.6108	.9421	1.1100
.3900	.9024	112.9	1902.3	5487.0	542.93	125.2	1496.5	.1945	.8689	.6097	.9419	1.1076
.4000	.9060	110.5	1916.1	5478.0	542.83	122.1	1504.5	.1997	.8728	.6087	.9417	1.1051
.4100	.9095	108.2	1929.9	5468.8	542.72	119.3	1512.5	.2050	.8766	.6076	.9415	1.1023
.4200	.9128	106.0	1943.7	5460.2	542.62	116.6	1520.7	.2103	.8802	.6067	.9413	1.0992
.4300	.9160	103.9	1957.5	5451.4	542.52	113.9	1529.0	.2157	.8838	.6057	.9411	1.0959
.4400	.9191	101.9	1971.3	5442.2	542.41	111.3	1537.4	.2212	.8873	.6047	.9409	1.0922
.4500	.9220	100.0	1985.1	5434.3	542.32	108.8	1546.0	.2268	.8906	.6038	.9408	1.0885
.4600	.9249	98.1	1998.9	5425.5	542.21	106.4	1554.7	.2324	.8939	.6028	.9406	1.0843
.4700	.9276	96.3	2012.7	5417.4	542.12	104.0	1563.6	.2382	.8970	.6019	.9404	1.0801
.4800	.9303	94.6	2026.5	5409.4	542.02	101.7	1572.6	.2440	.9001	.6010	.9403	1.0757
.4900	.9329	92.9	2040.4	5402.2	541.94	99.5	1581.8	.2499	.9030	.6001	.9401	1.0712
.5000	.9353	91.3	2054.2	5393.8	541.84	97.3	1591.2	.2559	.9059	.5993	.9400	1.0663
.5100	.9377	89.7	2068.0	5386.4	541.75	95.2	1600.7	.2620	.9088	.5985	.9398	1.0613
.5200	.9400	88.2	2081.8	5379.1	541.67	93.2	1610.4	.2682	.9115	.5977	.9396	1.0562
.5300	.9422	86.7	2095.6	5372.3	541.59	91.2	1620.2	.2745	.9141	.5969	.9395	1.0510
.5400	.9443	85.3	2109.4	5365.3	541.50	89.2	1630.3	.2809	.9167	.5961	.9394	1.0456
.5500	.9464	84.0	2123.2	5359.3	541.42	87.3	1640.5	.2874	.9193	.5954	.9392	1.0400
.5600	.9484	82.6	2137.0	5351.0	541.33	85.5	1650.8	.2940	.9217	.5946	.9391	1.0342
.5700	.9504	81.4	2150.8	5344.2	541.25	83.7	1661.4	.3007	.9241	.5938	.9389	1.0283
.5800	.9523	80.1	2164.6	5337.6	541.17	81.9	1672.2	.3075	.9266	.5931	.9388	1.0223
.5900	.9541	78.9	2178.4	5331.2	541.10	80.2	1683.1	.3144	.9287	.5924	.9387	1.0162
.6000	.9559	77.7	2192.3	5325.3	541.03	78.5	1694.3	.3215	.9309	.5917	.9385	1.0101
.6100	.9576	76.6	2206.1	5319.1	540.95	76.9	1705.7	.3287	.9331	.5910	.9384	1.0037
.6200	.9593	75.5	2219.9	5313.0	540.88	75.3	1717.3	.3360	.9352	.5903	.9383	.9973
.6300	.9610	74.4	2233.7	5306.4	540.80	73.7	1729.1	.3434	.9373	.5896	.9382	.9906
.6400	.9626	73.4	2247.5	5301.1	540.74	72.2	1741.2	.3510	.9393	.5890	.9380	.9841
.6500	.9641	72.4	2261.3	5294.8	540.66	70.7	1753.4	.3587	.9412	.5883	.9379	.9772
.6600	.9656	71.4	2275.1	5289.0	540.60	69.3	1765.9	.3666	.9432	.5877	.9378	.9703
.6700	.9670	70.4	2288.9	5283.1	540.53	67.8	1778.6	.3745	.9450	.5870	.9377	.9633
.6800	.9685	69.5	2302.7	5277.4	540.46	66.5	1791.4	.3827	.9469	.5864	.9376	.9563
.6900	.9699	68.6	2316.5	5273.0	540.40	65.1	1804.0	.3910	.9487	.5859	.9375	.9493
.7000	.9712	67.7	2330.3	5267.7	540.34	63.8	1818.5	.3995	.9504	.5853	.9373	.9420
.7100	.9725	66.8	2344.1	5262.5	540.28	62.5	1832.3	.4081	.9521	.5847	.9372	.9347
.7200	.9738	66.0	2358.0	5257.2	540.21	61.2	1846.4	.4169	.9538	.5841	.9371	.9273
.7300	.9751	65.2	2371.8	5251.1	540.14	60.0	1860.8	.4258	.9554	.5835	.9370	.9198
.7400	.9763	64.4	2385.6	5247.1	540.09	58.7	1875.5	.4350	.9571	.5830	.9369	.9123
.7500	.9775	63.6	2399.4	5242.2	540.03	57.5	1890.5	.4443	.9586	.5825	.9368	.9048
.7600	.9786	62.8	2413.2	5237.4	539.97	56.4	1905.8	.4539	.9602	.5819	.9367	.8971
.7700	.9798	62.1	2427.0	5232.6	539.92	55.2	1921.4	.4635	.9617	.5814	.9366	.8893
.7800	.9809	61.4	2440.8	5227.3	539.85	54.1	1937.3	.4735	.9632	.5808	.9365	.8815
.7900	.9819	60.6	2454.6	5222.5	539.79	53.0	1953.6	.4836	.9646	.5803	.9364	.8736
.8000	.9830	60.0	2468.4	5218.3	539.74	51.9	1970.4	.4940	.9660	.5798	.9363	.8657
.8100	.9840	59.3	2482.2	5213.7	539.69	50.8	1987.4	.5045	.9674	.5793	.9362	.8577
.8200	.9850	58.6	2496.0	5209.3	539.64	49.8	2004.9	.5153	.9688	.5788	.9361	.8496
.8300	.9860	58.0	2509.9	5205.1	539.58	48.8	2022.7	.5264	.9701	.5783	.9360	.8415
.8400	.9870	57.3	2523.7	5200.8	539.53	47.8	2040.9	.5377	.9715	.5779	.9359	.8333
.8500	.9879	56.7	2537.5	5197.0	539.49	46.8	2059.7	.5492	.9727	.5774	.9359	.8250
.8600	.9889	56.1	2551.3	5193.0	539.44	45.8	2078.8	.5610	.9740	.5770	.9358	.8169
.8700	.9898	55.5	2565.1	5188.2	539.38	44.9	2098.3	.5731	.9752	.5765	.9357	.8084
.8800	.9907	54.9	2578.9	5184.7	539.34	44.0	2118.4	.5855	.9765	.5761	.9356	.8002
.8900	.9915	54.4	2592.7	5180.7	539.29	43.0	2139.0	.5983	.9777	.5756	.9355	.7918
.9000	.9924	53.8	2606.5	5176.8	539.24	42.1	2160.0	.6111	.9788	.5752	.9354	.7833
.9100	.9932	53.3	2620.3	5172.4	539.19	41.3	2181.5	.6244	.9800	.5747	.9353	.7748
.9200	.9940	52.7	2634.1	5169.3	539.15	40.4	2203.6	.6381	.9811	.5744	.9353	.7663
.9300	.9948	52.2	2647.9	5165.3	539.10	39.5	2226.3	.6520	.9822	.5739	.9352	.7577
.9400	.9956	51.7	2661.7	5160.9	539.05	38.7	2249.5	.6663	.9833	.5734	.9351	.7490
.9500	.9964	51.2	2675.6	5157.4	539.00	37.9	2273.3	.6810	.9844	.5730	.9350	.7403
.9600	.9971	50.7	2689.4	5154.3	538.97	37.1	2297.9	.6961	.9855	.5727	.9350	.7317
.9700	.9979	50.3	2703.2	5150.8	538.92	36.3	2323.1	.7118	.9865	.5723	.9349	.7229
.9800	.9986	49.7	2717.0	5147.3	538.88	35.5	2348.9	.7279	.9875	.5719	.9348	.7141
.9900	.9993	49.3	2730.8	5143.4	538.83	34.7	2375.4	.7437	.9885	.5715	.9347	.7053
1.0000	1.0000	48.9	2744.6	5140.1	538.79	34.0	2402.7	.7605	.9895	.5711	.9347	.6964

TABLE . SATURATED CRITICAL STATE PROPERTIES

(PO 10000 KPA (TSAT 584.11 K))

XO	AC	PO KG/M3	HO KJ/KG	PP KPA	TP K	PP KG/M3	HC KJ/KG	XP	AP	PR	TR	RR
0.0000	0.0000	688.4	1408.0	6588.1	554.87	415.6	1304.4	.0382	.4653	.6588	.9499	.6037
.0100	.1115	617.9	1421.2	6559.6	554.88	400.1	1309.6	.0415	.4870	.6590	.9500	.6475
.0200	.2285	560.4	1434.4	6546.2	554.85	385.8	1314.7	.0450	.5078	.6586	.9499	.6874
.0300	.3498	512.8	1447.6	6539.6	554.78	371.1	1319.7	.0488	.5277	.6580	.9498	.7237
.0400	.4510	472.6	1460.8	6570.1	554.68	359.6	1324.7	.0520	.5466	.6570	.9496	.7568
.0500	.5049	438.7	1474.0	6558.8	554.57	344.9	1329.7	.0556	.5646	.6559	.9494	.7870
.0600	.4422	408.5	1487.2	6546.1	554.44	332.7	1334.6	.0593	.5816	.6546	.9492	.8145
.0700	.4832	382.6	1500.4	6532.2	554.30	321.2	1339.6	.0630	.5978	.6532	.9490	.8397
.0800	.5109	359.8	1513.6	6518.1	554.15	310.4	1344.6	.0667	.6131	.6518	.9487	.8627
.0900	.5412	339.5	1526.8	6503.0	554.00	300.0	1349.6	.0704	.6279	.6503	.9485	.8837
.1000	.5708	321.4	1540.0	6489.1	553.84	290.7	1354.7	.0742	.6415	.6487	.9482	.9028
.1100	.6055	305.1	1553.2	6471.7	553.68	280.8	1359.8	.0781	.6546	.6472	.9479	.9203
.1200	.6288	290.4	1566.4	6455.6	553.51	271.9	1365.0	.0819	.6671	.6456	.9476	.9363
.1300	.6608	277.1	1579.6	6439.7	553.34	263.4	1370.3	.0858	.6790	.6440	.9473	.9509
.1400	.6691	264.9	1592.8	6423.8	553.19	255.4	1375.6	.0898	.6903	.6424	.9471	.9641
.1500	.6869	253.8	1606.0	6408.2	553.03	247.7	1381.0	.0937	.7010	.6408	.9468	.9761
.1600	.7029	243.5	1619.2	6392.8	552.87	240.4	1386.4	.0977	.7112	.6393	.9465	.9872
.1700	.7178	234.0	1632.4	6377.9	552.71	233.4	1391.8	.1018	.7210	.6378	.9462	.9972
.1800	.7316	225.1	1645.6	6362.8	552.56	226.7	1397.3	.1059	.7303	.6363	.9460	1.0063
.1900	.7445	217.2	1658.8	6347.4	552.40	220.3	1402.9	.1100	.7392	.6347	.9457	1.0143
.2000	.7564	209.6	1672.0	6332.8	552.24	214.2	1408.6	.1142	.7478	.6333	.9454	1.0216
.2100	.7675	202.6	1685.2	6318.8	552.10	208.3	1414.4	.1184	.7559	.6319	.9452	1.0282
.2200	.7779	196.0	1698.4	6304.4	551.95	202.7	1420.2	.1226	.7638	.6304	.9449	1.0341
.2300	.7877	189.8	1711.6	6290.4	551.80	197.3	1426.1	.1269	.7713	.6290	.9447	1.0394
.2400	.7968	184.0	1724.8	6276.4	551.65	192.0	1432.0	.1313	.7785	.6276	.9444	1.0443
.2500	.8055	178.6	1738.0	6263.2	551.51	187.0	1438.1	.1356	.7854	.6263	.9442	1.0474
.2600	.8138	173.4	1751.2	6250.5	551.38	182.3	1444.4	.1401	.7920	.6250	.9440	1.0508
.2700	.8217	168.6	1764.4	6237.1	551.24	177.8	1450.7	.1446	.7985	.6237	.9437	1.0539
.2800	.8293	164.0	1777.6	6224.4	551.10	173.6	1457.2	.1491	.8046	.6224	.9435	1.0569
.2900	.8353	159.7	1790.8	6211.9	550.97	169.6	1463.8	.1537	.8109	.6212	.9433	1.0577
.3000	.8418	155.5	1803.9	6198.7	550.84	164.7	1471.4	.1583	.8163	.6200	.9430	1.0591
.3100	.8480	151.6	1817.1	6187.7	550.72	160.7	1478.2	.1630	.8218	.6188	.9428	1.0601
.3200	.8539	147.9	1830.3	6176.8	550.60	156.9	1485.1	.1677	.8271	.6177	.9426	1.0607
.3300	.8594	144.4	1843.5	6164.8	550.47	153.2	1492.1	.1725	.8322	.6165	.9424	1.0609
.3400	.8644	141.0	1856.7	6153.6	550.35	149.6	1499.2	.1774	.8373	.6154	.9422	1.0607
.3500	.8690	137.8	1869.9	6143.1	550.24	146.1	1506.4	.1823	.8419	.6143	.9420	1.0603
.3600	.8748	134.7	1883.1	6132.3	550.13	142.7	1513.7	.1873	.8466	.6132	.9418	1.0595
.3700	.8794	131.7	1896.3	6121.1	550.01	139.4	1521.1	.1923	.8511	.6121	.9416	1.0583
.3800	.8839	128.9	1909.5	6111.3	549.90	136.3	1528.5	.1974	.8554	.6111	.9414	1.0570
.3900	.8882	126.2	1922.7	6100.6	549.79	133.2	1536.3	.2026	.8596	.6100	.9412	1.0555
.4000	.8922	123.6	1935.9	6090.6	549.68	130.2	1544.0	.2078	.8637	.6091	.9411	1.0533
.4100	.8962	121.2	1949.1	6080.8	549.57	127.3	1551.9	.2131	.8676	.6081	.9409	1.0511
.4200	.8999	118.8	1962.3	6071.3	549.47	124.5	1560.0	.2184	.8714	.6071	.9407	1.0486
.4300	.9036	116.5	1975.5	6062.5	549.38	121.8	1568.1	.2238	.8751	.6062	.9405	1.0461
.4400	.9071	114.3	1988.7	6053.2	549.29	119.2	1576.4	.2295	.8787	.6053	.9403	1.0433
.4500	.9104	112.1	2001.9	6043.7	549.17	116.6	1584.8	.2351	.8822	.6044	.9402	1.0400
.4600	.9136	110.1	2015.1	6034.9	549.08	114.1	1593.4	.2407	.8855	.6035	.9400	1.0367
.4700	.9168	108.2	2028.3	6026.1	548.98	111.7	1602.0	.2465	.8889	.6026	.9399	1.0332
.4800	.9198	106.2	2041.5	6018.1	548.90	109.4	1610.9	.2523	.8921	.6018	.9397	1.0296
.4900	.9227	104.4	2054.7	6009.8	548.81	107.1	1619.9	.2582	.8953	.6010	.9396	1.0258
.5000	.9254	102.6	2067.9	6001.9	548.72	104.8	1629.0	.2643	.8983	.6001	.9394	1.0217
.5100	.9282	100.9	2081.1	5992.9	548.62	102.6	1638.2	.2703	.9013	.5993	.9392	1.0175
.5200	.9308	99.2	2094.3	5984.9	548.53	100.5	1647.6	.2765	.9041	.5985	.9391	1.0131
.5300	.9334	97.6	2107.5	5977.4	548.45	98.5	1657.0	.2828	.9069	.5977	.9389	1.0086
.5400	.9358	96.1	2120.7	5969.2	548.37	96.4	1667.0	.2893	.9097	.5969	.9388	1.0040
.5500	.9382	94.6	2133.9	5962.4	548.29	94.5	1676.9	.2957	.9123	.5962	.9387	.9993
.5600	.9405	93.1	2147.1	5955.1	548.21	92.6	1687.0	.3022	.9149	.5955	.9385	.9944
.5700	.9427	91.7	2160.3	5947.8	548.13	90.7	1697.2	.3089	.9175	.5948	.9384	.9893
.5800	.9449	90.3	2173.5	5940.7	548.05	88.9	1707.6	.3157	.9199	.5940	.9383	.9841
.5900	.9470	89.0	2186.7	5933.8	547.97	87.1	1718.1	.3226	.9223	.5933	.9381	.9788
.6000	.9491	87.7	2199.9	5926.8	547.90	85.4	1728.8	.3296	.9249	.5927	.9380	.9735
.6100	.9510	86.4	2213.1	5919.4	547.82	83.6	1740.0	.3367	.9270	.5919	.9379	.9679
.6200	.9530	85.2	2226.3	5912.6	547.76	82.0	1751.3	.3440	.9292	.5913	.9377	.9623
.6300	.9548	84.0	2239.5	5906.7	547.68	80.4	1762.8	.3513	.9314	.5907	.9376	.9566
.6400	.9567	82.9	2252.6	5900.4	547.61	78.8	1774.5	.3587	.9335	.5900	.9375	.9508
.6500	.9584	81.7	2265.8	5894.0	547.54	77.2	1785.6	.3663	.9356	.5894	.9374	.9449
.6600	.9602	80.6	2279.0	5887.2	547.46	75.7	1797.9	.3741	.9377	.5887	.9371	.9388
.6700	.9619	79.6	2292.2	5881.6	547.40	74.2	1810.1	.3819	.9397	.5881	.9371	.9327
.6800	.9635	78.5	2305.4	5875.5	547.33	72.8	1822.6	.3899	.9416	.5875	.9370	.9265
.6900	.9651	77.5	2318.6	5869.6	547.27	71.3	1835.3	.3981	.9436	.5870	.9369	.9203
.7000	.9666	76.5	2331.8	5863.3	547.20	70.0	1848.2	.4064	.9454	.5863	.9368	.9139
.7100	.9682	75.6	2345.0	5857.4	547.14	68.6	1861.4	.4148	.9473	.5857	.9367	.9074
.7200	.9696	74.6	2358.2	5851.6	547.07	67.3	1874.8	.4234	.9491	.5852	.9366	.9009
.7300	.9711	73.7	2371.4	5846.0	547.00	66.0	1888.5	.4322	.9508	.5846	.9365	.8943
.7400	.9724	72.8	2384.6	5841.3	546.96	64.7	1902.4	.4411	.9525	.5841	.9364	.8877
.7500	.9739	72.0	2397.8	5835.9	546.90	63.4	1916.7	.4502	.9542	.5836	.9363	.8810
.7600	.9752	71.1	2411.0	5830.1	546.83	62.2	1931.2	.4594	.9559	.5830	.9362	.8743
.7700	.9765	70.3	2424.2	5825.0	546.78	61.0	1946.0	.4689	.9575	.5825	.9361	.8675
.7800	.9779	69.5	2437.4	5819.7	546.71	59.8	1961.1	.4786	.9591	.5819	.9360	.8607
.7900	.9790	68.7	2450.6	5814.7	546.66	58.6	1976.5	.4883	.9606	.5815	.9359	.8534
.8000	.9803	67.9	2463.8	5809.6	546.60	57.5	1992.3	.4983	.9622	.5810	.9358	.8463
.8100	.9815	67.2	2477.0	5805.2	546.56	56.4	2008.	.5085	.9636	.5805	.9357	.8393
.8200	.9826	66.4	2490.2	5800.3	546.50	55.3	2024.7	.5190	.9651	.5800	.9356	.8321
.8300	.9838	65.7	2503.4	5794.9	546.44	54.2	2041.4	.5296	.9666	.5795	.9355	.8248
.8400	.9849	65.0	2516.6	5790.3	546.39	53.1	2058.6	.5404	.9680	.5790	.9354	.8175
.8500	.9860	64.3	2529.8	5786.1	546.34	52.1	2076.1	.5515	.9694	.5786	.9353	.8101
.8600	.9871	63.6	2543.0	5781.0	546.29	51.1	2093.9	.5628	.9707	.5781	.9352	.8025
.8700	.9881	63.0	2556.2	5776.8	546.23	50.1	2112.1	.5744	.9721	.5775	.9352	.7954
.8800	.9891	62.3	2569.4	5772.0	546.18	49.1	2130.8	.5862	.9734	.5772	.9351	.7879
.8900	.9901	61.7	2582.6	5768.1	546.14	48.1	2149.9	.5983	.9747	.5768	.9350	.7804
.9000	.9911	61.0	2595.8	5763.2	546.09	47.2	2169.4	.6106	.9759	.5763	.9349	.7729
.9100	.9921	60.4	2609.0	5759.0	546.04	46.2	2189.3	.6232	.9772	.5759	.9348	.7652
.9200	.9930	59.8	2622.2	5754.5	546.00	45.3	2209.8	.6361	.9784	.5755	.9348	.7576
.9300	.9940	59.2	2635.4	5750.5	545.94	44.4	2230.6	.6493	.9795	.5750	.9347	.7498
.9400	.9949	58.7	2648.5	5746.1	545.89	43.5	2252.0	.6629	.9804	.5745	.9346	.7420
.9500	.9958	58.1	2661.7	5743.4	545.85	42.7	2274.0	.6767	.9813	.5743	.9345	.7341
.9600	.9967	57.5	2674.9	5739.3	545.81	41.8	2296.4	.6908	.9821	.5739	.9344	.7264
.9700	.9975	57.0	2688.1	5734.4	545.76	41.0	2319.4	.7053	.9843	.5734	.9343	.7184
.9800	.9984	56.5	2701.3	5730.5	545.72	40.1	2343.0	.7202	.9851	.5730	.9343	.7107
.9900	.9992	55.9	2714.5	5726.6	545.67	39.3	2367.2	.7354	.9859	.5727	.9342	.7027
1.0000	1.0000	55.4	2727.7	5723.0	545.63	38.5	2392.0	.7511	.9874	.5723	.9341	.6944

TABLE 6. SATURATED CRITICAL STATE PROPERTIES

(PO 11000 KPA (TSAT 591.20 K))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	P*	TR	R*
0.0000	0.0000	671.7	1450.6	7211.3	560.96	408.3	1343.1	.0434	.4695	.6556	.9489	.6078
.0100	.0980	612.0	1463.2	7210.2	560.95	394.3	1348.2	.0469	.4898	.6555	.9488	.6442
.0200	.1799	562.1	1474.7	7209.9	560.91	380.0	1353.2	.0504	.5088	.6551	.9488	.6776
.0300	.2495	519.7	1484.3	7198.2	560.84	368.1	1358.2	.0540	.5272	.6544	.9486	.7082
.0400	.3094	483.2	1500.9	7188.7	560.74	355.8	1363.2	.0576	.5448	.6535	.9485	.7364
.0500	.3614	451.6	1513.5	7176.9	560.63	344.1	1368.1	.0613	.5616	.6524	.9483	.7621
.0600	.4070	423.8	1526.1	7164.0	560.51	333.0	1373.1	.0650	.5776	.6513	.9481	.7858
.0700	.4473	399.2	1538.9	7150.8	560.38	322.4	1378.1	.0688	.5928	.6501	.9479	.8077
.0800	.4832	377.3	1551.3	7136.6	560.25	312.1	1383.1	.0726	.6073	.6488	.9477	.8277
.0900	.5154	357.7	1563.9	7121.3	560.10	302.7	1388.1	.0764	.6211	.6474	.9474	.8461
.1000	.5443	340.1	1576.4	7106.5	559.96	293.5	1393.2	.0803	.6343	.6460	.9472	.8631
.1100	.5706	324.1	1589.0	7090.6	559.81	284.7	1398.4	.0842	.6469	.6446	.9469	.8786
.1200	.5945	309.5	1601.6	7075.1	559.66	276.4	1403.6	.0881	.6588	.6432	.9467	.8929
.1300	.6164	296.2	1614.2	7059.6	559.51	268.4	1408.9	.0921	.6703	.6418	.9464	.9060
.1400	.6364	284.0	1626.8	7043.7	559.36	260.7	1414.2	.0961	.6813	.6403	.9462	.9180
.1500	.6549	272.8	1639.4	7028.5	559.21	253.4	1419.6	.1002	.6919	.6390	.9459	.9291
.1600	.6719	262.4	1652.0	7012.8	559.06	246.4	1425.0	.1043	.7017	.6375	.9456	.9391
.1700	.6877	252.7	1664.6	6998.0	558.92	239.7	1430.5	.1084	.7112	.6362	.9454	.9483
.1800	.7024	243.8	1677.1	6982.2	558.77	233.2	1436.1	.1125	.7204	.6347	.9451	.9566
.1900	.7161	235.5	1689.7	6967.9	558.63	227.1	1441.8	.1167	.7292	.6334	.9448	.9643
.2000	.7288	227.7	1702.3	6952.9	558.48	221.1	1447.5	.1210	.7379	.6321	.9447	.9712
.2100	.7408	220.4	1714.9	6938.2	558.34	215.4	1453.3	.1252	.7458	.6307	.9444	.9773
.2200	.7520	213.6	1727.5	6923.6	558.20	209.9	1459.2	.1296	.7536	.6294	.9442	.9829
.2300	.7626	207.1	1740.1	6909.4	558.06	204.6	1465.2	.1339	.7610	.6281	.9440	.9878
.2400	.7725	201.1	1752.7	6895.4	557.92	199.5	1471.2	.1383	.7683	.6269	.9437	.9922
.2500	.7818	195.4	1765.3	6881.7	557.79	194.6	1477.4	.1428	.7752	.6256	.9435	.9961
.2600	.7907	190.0	1777.8	6868.6	557.66	189.9	1483.6	.1473	.7819	.6244	.9433	.9995
.2700	.7991	184.9	1790.4	6855.1	557.53	185.3	1489.9	.1518	.7883	.6232	.9431	1.0024
.2800	.8070	180.1	1803.0	6842.8	557.41	181.0	1496.4	.1564	.7944	.6221	.9428	1.0050
.2900	.8145	175.5	1815.6	6829.3	557.28	176.7	1502.8	.1610	.8005	.6208	.9426	1.0069
.3000	.8217	171.1	1828.2	6817.5	557.16	172.6	1509.4	.1657	.8063	.6198	.9424	1.0087
.3100	.8285	167.0	1840.8	6805.2	557.04	168.6	1516.1	.1704	.8119	.6187	.9422	1.0099
.3200	.8350	163.0	1853.4	6792.6	556.91	164.8	1522.9	.1752	.8173	.6175	.9420	1.0108
.3300	.8413	159.2	1866.0	6780.7	556.80	161.1	1529.8	.1801	.8225	.6164	.9418	1.0113
.3400	.8474	155.7	1878.5	6769.7	556.69	157.6	1536.8	.1850	.8275	.6154	.9416	1.0116
.3500	.8533	152.2	1891.1	6758.0	556.58	154.0	1543.9	.1899	.8324	.6143	.9414	1.0117
.3600	.8591	148.9	1903.7	6746.1	556.45	150.6	1551.0	.1949	.8372	.6133	.9412	1.0111
.3700	.8647	145.8	1916.3	6734.4	556.34	147.3	1558.3	.2000	.8418	.6123	.9411	1.0105
.3800	.8702	142.7	1928.9	6723.1	556.24	144.0	1565.7	.2051	.8462	.6114	.9409	1.0096
.3900	.8756	139.8	1941.5	6713.6	556.13	141.0	1573.2	.2103	.8506	.6104	.9407	1.0084
.4000	.8776	137.1	1954.1	6704.2	556.03	138.0	1580.8	.2156	.8547	.6095	.9405	1.0071
.4100	.8820	134.4	1966.7	6693.2	555.92	135.1	1588.5	.2209	.8588	.6085	.9403	1.0053
.4200	.8862	131.8	1979.2	6683.8	555.83	132.3	1596.4	.2263	.8626	.6076	.9402	1.0035
.4300	.8903	129.3	1991.8	6673.0	555.72	129.5	1604.3	.2318	.8666	.6066	.9400	1.0014
.4400	.8942	127.0	2004.4	6663.4	555.63	126.8	1612.4	.2373	.8703	.6058	.9398	.9991
.4500	.8979	124.7	2017.0	6654.8	554.54	124.3	1620.6	.2429	.8739	.6050	.9397	.9969
.4600	.9016	122.4	2029.6	6644.8	555.44	121.7	1628.9	.2486	.8775	.6041	.9395	.9939
.4700	.9051	120.3	2042.2	6635.4	555.34	119.3	1637.4	.2543	.8809	.6032	.9394	.9911
.4800	.9084	118.2	2054.8	6626.6	555.26	116.8	1646.0	.2601	.8842	.6024	.9392	.9881
.4900	.9117	116.2	2067.4	6618.3	555.17	114.4	1654.7	.2661	.8875	.6017	.9391	.9848
.5000	.9149	114.3	2079.9	6608.6	555.07	112.2	1663.5	.2720	.8907	.6008	.9389	.9815
.5100	.9180	112.5	2092.5	6600.0	554.99	110.0	1672.5	.2781	.8939	.6000	.9388	.9780
.5200	.9209	110.6	2105.1	6592.3	554.91	107.8	1681.7	.2843	.8968	.5993	.9386	.9744
.5300	.9238	108.9	2117.7	6585.0	554.83	105.7	1691.0	.2905	.8997	.5986	.9385	.9707
.5400	.9266	107.2	2130.3	6575.6	554.74	103.6	1700.4	.2968	.9025	.5978	.9383	.9668
.5500	.9293	105.6	2142.9	6569.5	554.66	101.6	1709.9	.3033	.9053	.5970	.9382	.9629
.5600	.9319	104.0	2155.5	6560.3	554.58	99.6	1719.7	.3098	.9080	.5964	.9381	.9584
.5700	.9344	102.4	2168.1	6551.9	554.50	97.7	1729.5	.3164	.9107	.5956	.9379	.9540
.5800	.9369	100.9	2180.6	6544.1	554.42	95.8	1739.6	.3231	.9133	.5949	.9378	.9495
.5900	.9393	99.5	2193.2	6536.6	554.34	94.0	1749.8	.3299	.9158	.5942	.9377	.9450
.6000	.9416	98.0	2205.8	6529.4	554.27	92.2	1760.2	.3368	.9183	.5936	.9375	.9404
.6100	.9439	96.7	2218.4	6522.7	554.20	90.5	1770.8	.3438	.9207	.5930	.9374	.9357
.6200	.9461	95.3	2231.0	6514.9	554.12	88.7	1781.5	.3509	.9231	.5923	.9373	.9307
.6300	.9482	94.0	2243.6	6507.9	554.05	87.0	1792.4	.3582	.9254	.5916	.9372	.9257
.6400	.9503	92.8	2256.2	6500.9	553.98	85.4	1803.5	.3655	.9277	.5910	.9370	.9207
.6500	.9523	91.5	2268.9	6494.7	553.92	83.8	1814.8	.3730	.9299	.5904	.9369	.9156
.6600	.9543	90.3	2281.5	6487.5	553.84	82.2	1826.3	.3806	.9320	.5898	.9368	.9103
.6700	.9562	89.2	2294.2	6480.8	553.77	80.7	1837.9	.3883	.9341	.5892	.9367	.9049
.6800	.9581	88.0	2306.9	6474.9	553.71	79.2	1849.9	.3961	.9362	.5886	.9366	.8995
.6900	.9599	86.9	2319.6	6467.9	553.64	77.7	1861.9	.4041	.9382	.5880	.9365	.8940
.7000	.9617	85.8	2332.3	6461.7	553.58	76.3	1874.2	.4122	.9402	.5874	.9364	.8884
.7100	.9634	84.8	2344.9	6456.1	553.52	74.8	1886.8	.4205	.9422	.5869	.9363	.8828
.7200	.9651	83.7	2357.6	6449.3	553.45	73.4	1899.5	.4288	.9441	.5863	.9362	.8772
.7300	.9667	82.7	2370.4	6443.2	553.39	72.1	1912.5	.4373	.9459	.5857	.9360	.8712
.7400	.9684	81.8	2383.0	6437.3	553.33	70.9	1925.7	.4460	.9478	.5852	.9359	.8653
.7500	.9699	80.8	2395.6	6431.3	553.27	69.4	1939.2	.4548	.9496	.5847	.9358	.8594
.7600	.9715	79.9	2407.2	6425.7	553.21	68.1	1952.9	.4638	.9513	.5842	.9357	.8533
.7700	.9730	78.9	2419.8	6420.6	553.15	66.8	1966.9	.4730	.9530	.5837	.9355	.8473
.7800	.9744	78.0	2432.4	6414.4	553.09	65.6	1981.1	.4823	.9547	.5831	.9355	.8411	.
.7900	.9759	77.2	2445.0	6408.8	553.03	64.4	1995.6	.4917	.9564	.5826	.9354	.8349
.8000	.9773	76.3	2457.6	6404.0	552.98	63.2	2010.4	.5014	.9580	.5822	.9354	.8287
.8100	.9786	75.5	2470.1	6398.6	552.93	62.1	2025.5	.5112	.9596	.5817	.9353	.8224
.8200	.9800	74.7	2482.7	6392.7	552.87	60.9	2040.8	.5212	.9612	.5812	.9352	.8160
.8300	.9813	73.9	2495.3	6387.6	552.81	59.8	2056.5	.5314	.9627	.5807	.9351	.8095
.8400	.9826	73.1	2507.9	6383.0	552.77	58.7	2072.5	.5419	.9643	.5803	.9350	.8031
.8500	.9839	72.3	2520.5	6377.4	552.71	57.6	2088.8	.5524	.9657	.5798	.9349	.7965
.8600	.9851	71.6	2533.1	6372.8	552.66	56.5	2105.5	.5633	.9671	.5793	.9348	.7900
.8700	.9863	70.8	2545.7	6368.0	552.61	55.5	2122.5	.5743	.9686	.5789	.9347	.7834
.8800	.9875	70.1	2558.3	6363.1	552.56	54.4	2139.8	.5855	.9700	.5785	.9346	.7767
.8900	.9886	69.4	2570.8	6357.2	552.50	53.4	2157.4	.5970	.9714	.5779	.9345	.7699
.9000	.9898	68.7	2583.4	6353.5	552.46	52.4	2175.5	.6087	.9727	.5776	.9345	.7632
.9100	.9909	68.0	2596.0	6348.1	552.40	51.4	2193.9	.6207	.9740	.5771	.9344	.7563
.9200	.9920	67.4	2608.6	6343.3	552.35	50.5	2212.8	.6329	.9754	.5767	.9343	.7494
.9300	.9930	66.7	2621.2	6339.0	552.31	49.6	2232.0	.6454	.9766	.5763	.9342	.7425
.9400	.9941	66.1	2633.8	6335.2	552.27	48.6	2251.8	.6581	.9779	.5760	.9342	.7357
.9500	.9951	65.4	2646.4	6330.1	552.22	47.7	2271.8	.6711	.9792	.5755	.9341	.7286
.9600	.9961	64.8	2659.0	6325.5	552.17	46.8	2292.4	.6844	.9804	.5750	.9340	.7216
.9700	.9971	64.2	2671.5	6321.2	552.12	45.9	2313.4	.6980	.9816	.5747	.9339	.7145
.9800	.9981	63.6	2684.1	6316.9	552.08	45.0	2334.9	.7119	.9828	.5743	.9338	.7074
.9900	.9991	63.0	2696.7	6313.9	552.04	44.2	2357.0	.7261	.9839	.5739	.9338	.7003
1.0000	1.0000	62.5	2709.3	6310.0	552.00	43.3	2379.6	.7404	.9851	.5736	.9337	.6933

TABLE B.4 SATURATED CRITICAL STATE PROPERTIES

(PC 12000 KPA (TSAT 597.80 K))

XO	AO	RO KG/M3	HO KJ/KG	PO KPA	TO K	RO KG/M3	HO KJ/KG	XO	AO	PR	TR	RR
0.0000	0.0000	655.0	1491.8	7830.2	566.62	400.5	1380.4	.0492	.4750	.6525	.9479	.6115
.0100	.0863	604.5	1503.7	7807.5	566.50	388.0	1385.4	.0527	.4934	.6523	.9478	.6418
.0200	.1603	561.2	1518.7	7820.8	566.49	375.8	1390.3	.0563	.5112	.6517	.9477	.6609
.0300	.2244	523.7	1527.7	7815.6	566.47	364.1	1400.2	.0600	.5349	.6510	.9476	.6755
.0400	.2805	490.9	1539.7	7805.6	566.38	353.1	1409.1	.0639	.5445	.6502	.9474	.7104
.0500	.3299	462.0	1551.6	7790.9	566.27	342.5	1409.1	.0674	.5601	.6492	.9473	.7414
.0600	.3739	436.3	1563.6	7778.9	566.17	332.4	1410.1	.0712	.5750	.6482	.9471	.7618
.0700	.4132	413.3	1575.6	7764.8	566.04	322.6	1415.1	.0750	.5893	.6471	.9469	.7806
.0800	.4486	392.6	1587.6	7750.8	565.92	313.1	1420.1	.0789	.6030	.6459	.9467	.7980
.0900	.4806	373.9	1599.5	7736.4	565.79	304.4	1425.1	.0829	.6160	.6447	.9465	.8141
.1000	.5097	356.8	1611.5	7721.6	565.66	295.8	1430.1	.0869	.6285	.6435	.9462	.8290
.1100	.5362	341.3	1623.5	7706.8	565.52	287.6	1435.4	.0907	.6405	.6422	.9460	.8428
.1200	.5606	327.1	1635.5	7691.0	565.38	279.8	1440.6	.0947	.6520	.6409	.9458	.8554
.1300	.5830	314.0	1647.4	7674.9	565.24	272.1	1445.8	.0987	.6630	.6397	.9457	.8677
.1400	.6036	301.9	1659.4	7660.0	565.11	264.8	1451.1	.1028	.6735	.6384	.9455	.8780
.1485	.6228	290.7	1671.4	7645.3	564.97	258.1	1456.5	.1069	.6836	.6371	.9451	.8879
.1600	.6405	280.3	1683.4	7629.5	564.83	251.4	1461.9	.1110	.6933	.6358	.9448	.8970
.1700	.6571	270.6	1695.3	7614.0	564.69	244.9	1467.3	.1152	.7027	.6346	.9446	.9058
.1800	.6728	261.6	1707.3	7599.3	564.55	238.5	1472.8	.1194	.7116	.6333	.9444	.9131
.1900	.6876	253.1	1719.3	7584.3	564.42	232.3	1478.5	.1237	.7202	.6321	.9442	.9202
.2000	.7018	245.2	1731.2	7570.3	564.29	226.7	1484.3	.1279	.7285	.6308	.9439	.9269
.2100	.7132	237.8	1743.2	7555.1	564.13	221.7	1490.9	.1323	.7365	.6296	.9437	.9324
.2200	.7285	230.8	1755.2	7542.2	564.03	216.4	1495.9	.1366	.7442	.6283	.9435	.9379
.2300	.7369	224.2	1767.2	7527.0	563.90	211.3	1501.7	.1410	.7515	.6272	.9433	.9425
.2400	.7471	217.9	1779.1	7512.6	563.76	206.3	1507.7	.1454	.7588	.6260	.9431	.9467
.2485	.7559	212.1	1791.1	7498.4	563.64	201.6	1513.7	.1500	.7657	.6250	.9429	.9506
.2600	.7667	205.5	1803.1	7483.1	563.51	196.9	1519.8	.1545	.7723	.6238	.9426	.9539
.2700	.7758	201.2	1815.1	7473.5	563.37	192.5	1526.1	.1591	.7787	.6227	.9425	.9569
.2800	.7844	196.3	1827.0	7458.7	563.25	188.2	1532.4	.1637	.7850	.6216	.9423	.9594
.2900	.7926	191.5	1839.0	7444.1	563.13	184.0	1538.8	.1684	.7910	.6205	.9420	.9616
.3000	.8004	186.8	1851.0	7436.4	563.04	180.0	1544.3	.1731	.7968	.6195	.9419	.9635
.3100	.8078	182.4	1863.0	7420.3	562.91	176.0	1551.8	.1778	.8025	.6184	.9416	.9649
.3200	.8149	178.3	1874.9	7408.6	562.80	172.3	1558.5	.1827	.8079	.6174	.9415	.9660
.3300	.8217	174.3	1886.9	7396.0	562.69	168.6	1565.2	.1875	.8132	.6163	.9413	.9668
.3400	.8282	170.5	1898.8	7382.6	562.58	165.0	1572.0	.1924	.8183	.6154	.9411	.9674
.3500	.8344	166.9	1910.9	7372.9	562.47	161.5	1579.0	.1974	.8233	.6144	.9408	.9676
.3600	.8403	163.4	1922.8	7360.5	562.36	158.1	1586.0	.2024	.8281	.6134	.9407	.9675
.3700	.8460	160.1	1934.8	7350.0	562.26	154.9	1593.3	.2074	.8328	.6125	.9406	.9674
.3800	.8515	156.9	1946.8	7338.3	562.17	151.7	1600.5	.2127	.8373	.6115	.9404	.9668
.3900	.8568	153.8	1958.8	7327.6	562.09	148.6	1607.6	.2179	.8417	.6106	.9402	.9660
.4000	.8618	150.8	1970.7	7316.0	561.94	145.6	1615.0	.2231	.8460	.6097	.9400	.9650
.4100	.8667	148.0	1982.7	7305.4	561.84	142.6	1622.5	.2284	.8502	.6088	.9399	.9638
.4200	.8714	145.3	1994.7	7294.4	561.74	139.8	1630.1	.2338	.8542	.6080	.9397	.9625
.4300	.8759	142.6	2006.6	7284.0	561.65	137.0	1637.9	.2393	.8583	.6071	.9395	.9609
.4402	.8802	140.1	2018.6	7275.0	561.56	134.3	1645.8	.2448	.8620	.6063	.9394	.9592
.4488	.8844	139.6	2030.6	7269.0	561.47	131.7	1653.7	.2503	.8659	.6054	.9392	.9571
.4600	.8885	135.2	2042.6	7255.4	561.37	129.2	1661.8	.2560	.8693	.6044	.9391	.9550
.4700	.8924	133.0	2054.5	7244.3	561.29	126.7	1670.0	.2619	.8729	.6039	.9389	.9528
.4800	.8962	130.7	2066.5	7230.9	561.20	124.3	1678.3	.2679	.8763	.6031	.9388	.9503
.4900	.8998	128.6	2078.5	7217.0	561.11	121.8	1686.9	.2740	.8797	.6022	.9386	.9476
.5000	.9034	126.5	2090.5	7217.9	561.02	119.5	1695.3	.2743	.8830	.6015	.9385	.9449
.5100	.9069	124.5	2102.4	7208.8	560.94	117.3	1704.0	.2853	.8862	.6007	.9383	.9419
.5200	.9102	122.5	2114.4	7200.6	560.86	115.1	1712.8	.2914	.8893	.6000	.9382	.9389
.5300	.9134	120.7	2126.4	7191.9	560.79	113.0	1721.7	.2976	.8923	.5993	.9381	.9357
.5400	.9165	118.8	2138.4	7182.9	560.69	110.8	1730.8	.3038	.8953	.5985	.9379	.9324
.5500	.9196	117.1	2150.3	7174.2	560.61	108.7	1740.0	.3102	.8982	.5979	.9378	.9289
.5600	.9225	115.3	2162.3	7166.6	560.54	106.7	1749.4	.3166	.9010	.5973	.9377	.9254
.5700	.9254	113.7	2174.3	7158.4	560.48	104.7	1758.9	.3231	.9039	.5965	.9375	.9218
.5800	.9282	112.0	2186.3	7149.6	560.39	102.8	1768.5	.3299	.9065	.5959	.9374	.9179
.5900	.9309	110.5	2198.2	7141.4	560.30	101.0	1778.3	.3364	.9092	.5951	.9373	.9140
.6000	.9335	108.9	2210.2	7134.1	560.23	99.1	1788.3	.3432	.9119	.5943	.9372	.9100
.6100	.9360	107.4	2222.2	7126.2	560.15	97.3	1798.4	.3501	.9143	.5938	.9370	.9059
.6200	.9385	106.0	2234.1	7118.6	560.09	95.6	1808.6	.3571	.9167	.5932	.9369	.9017
.6300	.9409	104.6	2246.1	7110.9	560.01	93.9	1819.0	.3642	.9192	.5926	.9368	.8974
.6400	.9433	103.2	2258.1	7104.5	559.94	92.2	1829.7	.3714	.9215	.5920	.9367	.8932
.6500	.9456	101.9	2270.1	7096.8	559.87	90.5	1840.4	.3787	.9239	.5914	.9366	.8885
.6600	.9478	100.5	2282.0	7089.8	559.80	88.9	1851.3	.3861	.9261	.5908	.9364	.8839
.6700	.9500	99.3	2294.0	7082.5	559.73	87.3	1862.4	.3939	.9283	.5902	.9363	.8793
.6800	.9521	98.0	2306.0	7075.5	559.67	85.7	1873.7	.4013	.9305	.5896	.9362	.8746
.6900	.9543	96.8	2318.0	7069.3	559.61	84.2	1885.2	.4091	.9326	.5891	.9361	.8698
.7000	.9562	95.6	2330.0	7061.7	559.53	82.7	1896.8	.4169	.9347	.5885	.9360	.8648
.7100	.9582	94.5	2341.9	7055.3	559.47	81.2	1908.7	.4249	.9368	.5879	.9359	.8599
.7200	.9601	93.4	2353.9	7048.8	559.41	79.8	1920.8	.4331	.9388	.5874	.9358	.8549
.7300	.9620	92.3	2365.9	7042.4	559.35	78.4	1933.1	.4415	.9408	.5869	.9357	.8498
.7400	.9638	91.2	2377.9	7035.9	559.29	77.2	1945.5	.4501	.9427	.5863	.9356	.8446
.7500	.9656	90.1	2389.8	7031.2	559.24	75.9	1958.3	.4589	.9446	.5859	.9355	.8395
.7600	.9673	89.1	2401.8	7024.5	559.17	74.7	1971.2	.4679	.9464	.5854	.9354	.8341
.7700	.9691	88.1	2413.8	7017.7	559.11	73.5	1984.3	.4771	.9482	.5848	.9353	.8287
.7800	.9709	87.1	2425.7	7011.3	559.06	72.4	1997.6	.4867	.9500	.5843	.9352	.8233
.7900	.9724	86.2	2437.7	7005.5	558.99	71.3	2011.2	.4938	.9518	.5838	.9351	.8178
.8000	.9740	85.2	2449.7	6999.6	558.94	70.3	2025.1	.5031	.9535	.5833	.9350	.8122
.8100	.9755	84.3	2461.7	6994.0	558.88	69.3	2039.2	.5128	.9552	.5828	.9349	.8067
.8200	.9771	83.4	2473.6	6987.9	558.82	68.3	2053.6	.5231	.9568	.5823	.9348	.8010
.8300	.9786	82.5	2485.6	6982.2	558.78	67.4	2068.2	.5339	.9585	.5819	.9347	.7954
.8400	.9800	81.7	2497.6	6977.5	558.72	66.5	2083.1	.5453	.9601	.5814	.9346	.7896
.8500	.9815	80.8	2509.6	6971.5	558.66	65.6	2098.2	.5573	.9619	.5810	.9345	.7837
.8600	.9829	80.0	2521.5	6966.8	558.62	64.7	2113.7	.5699	.9632	.5806	.9345	.7779
.8700	.9843	79.2	2533.5	6961.5	558.57	63.9	2129.5	.5832	.9647	.5804	.9344	.7720
.8800	.9856	78.4	2545.4	6956.3	558.52	63.1	2145.6	.5972	.9662	.5799	.9343	.7661
.8900	.9870	77.6	2557.4	6951.0	558.46	62.3	2162.0	.6119	.9677	.5792	.9342	.7601
.9000	.9883	76.9	2569.4	6946.1	558.41	61.6	2178.8	.6054	.9691	.5788	.9341	.7540
.9100	.9895	76.1	2581.4	6939.8	558.35	60.9	2195.9	.6167	.9706	.5783	.9340	.7479
.9200	.9908	75.4	2593.4	6934.2	558.30	60.2	2213.3	.6282	.9719	.5779	.9339	.7418
.9300	.9920	74.7	2605.3	6931.5	558.26	59.5	2231.0	.6400	.9733	.5776	.9339	.7357
.9400	.9932	74.0	2617.3	6925.5	558.22	58.8	2248.9	.6520	.9747	.5771	.9338	.7295
.9500	.9944	73.3	2629.3	6920.5	558.17	58.0	2267.0	.6642	.9760	.5767	.9337	.7232
.9600	.9956	72.6	2641.3	6916.4	558.13	57.3	2285.4	.6767	.9773	.5764	.9336	.7170
.9700	.9967	71.9	2653.2	6911.7	558.08	56.7	2304.0	.6894	.9786	.5760	.9335	.7107
.9800	.9978	71.3	2665.2	6907.0	558.04	56.0	2322.8	.7024	.9799	.5755	.9334	.7043
.9900	.9989	70.6	2677.2	6901.8	557.99	55.3	2341.8	.7155	.9811	.5751	.9334	.6979
1.0000	1.0000	70.0	2689.2	6897.4	557.94	48.4	2359.0	.7291	.9823	.5749	.9333	.6915

TABLE [illegible] SATURATED CRITICAL STATE PROPERTIES

(PO 13000 KPA (TSAT 603.98 K))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
0.0000	0.0000	638.1	1532.0	8445.2	571.92	392.4	1416.8	.0555	.4814	.6496	.9469	.6150
.0100	.0762	595.4	1543.4	8440.4	571.88	381.1	1421.7	.0591	.4993	.6493	.9469	.6401
.0200	.1428	558.1	1554.7	8431.3	571.82	370.3	1426.4	.0628	.5146	.6487	.9468	.6634
.0300	.2016	525.0	1565.9	8424.0	571.79	359.9	1431.4	.0665	.5303	.6480	.9466	.6841
.0400	.2550	495.9	1577.4	8411.9	571.66	349.7	1436.3	.0703	.5454	.6473	.9465	.7035
.0500	.3006	469.8	1588.8	8401.8	571.56	340.1	1441.2	.0741	.5599	.6469	.9463	.7239
.0600	.3426	446.2	1600.1	8389.5	571.46	330.8	1446.1	.0779	.5738	.6453	.9462	.7413
.0700	.3807	424.8	1611.4	8376.0	571.34	321.9	1451.0	.0818	.5873	.6443	.9460	.7577
.0800	.4153	405.6	1622.6	8364.2	571.24	313.4	1456.0	.0857	.5999	.6434	.9458	.7727
.0900	.4468	387.9	1633.8	8348.1	571.11	305.1	1461.0	.0898	.6123	.6427	.9456	.7862
.1000	.4757	371.7	1645.5	8333.7	570.98	297.2	1466.0	.0936	.6241	.6411	.9454	.7996
.1100	.5023	356.8	1656.9	8319.2	570.86	289.6	1471.1	.0976	.6354	.6399	.9452	.8116
.1200	.5268	343.1	1668.2	8303.7	570.73	282.3	1476.3	.1018	.6464	.6387	.9450	.8238
.1300	.5496	330.4	1679.6	8290.1	570.61	275.3	1481.5	.1061	.6569	.6374	.9447	.8332
.1400	.5709	318.6	1690.9	8274.6	570.48	268.5	1486.7	.1108	.6670	.6365	.9445	.8429
.1500	.5909	307.5	1702.3	8258.9	570.35	261.9	1492.0	.1159	.6767	.6351	.9443	.8516
.1600	.6087	297.3	1713.6	8244.0	570.22	255.7	1497.3	.1181	.6861	.6342	.9441	.8600
.1700	.6258	287.7	1724.9	8228.0	570.09	249.6	1502.7	.1223	.6951	.6330	.9439	.8676
.1800	.6419	278.7	1736.3	8213.9	569.97	243.7	1508.1	.1268	.7038	.6318	.9437	.8746
.1900	.6570	270.2	1747.7	8198.6	569.84	238.1	1513.7	.1308	.7122	.6307	.9435	.8810
.2000	.6712	262.3	1759.0	8184.4	569.71	232.6	1519.3	.1351	.7203	.6296	.9433	.8869
.2100	.6846	254.7	1770.4	8170.1	569.59	227.3	1525.0	.1395	.7281	.6285	.9431	.8924
.2200	.6973	247.7	1781.7	8154.6	569.47	222.2	1530.7	.1439	.7356	.6274	.9429	.8973
.2300	.7092	241.0	1793.1	8140.4	569.36	217.3	1536.5	.1483	.7429	.6263	.9427	.9018
.2400	.7206	234.6	1804.4	8127.5	569.27	212.5	1542.4	.1528	.7503	.6252	.9425	.9059
.2500	.7313	228.4	1815.8	8113.9	569.11	207.9	1548.4	.1573	.7568	.6241	.9423	.9095
.2600	.7415	222.9	1827.1	8100.9	568.99	203.4	1554.4	.1618	.7634	.6233	.9421	.9128
.2700	.7511	217.4	1838.4	8086.9	568.87	199.1	1560.5	.1664	.7698	.6222	.9419	.9157
.2800	.7603	212.2	1849.8	8074.2	568.76	194.9	1566.7	.1710	.7760	.6211	.9417	.9183
.2900	.7691	207.2	1861.2	8060.6	568.64	190.9	1572.9	.1757	.7820	.6200	.9415	.9206
.3000	.7778	202.6	1872.5	8047.6	568.53	186.9	1579.2	.1804	.7878	.6190	.9413	.9223
.3100	.7858	198.1	1883.9	8035.7	568.43	183.0	1585.6	.1852	.7934	.6181	.9411	.9240
.3200	.7935	193.8	1895.2	8022.2	568.31	179.3	1592.1	.1900	.7989	.6171	.9409	.9253
.3300	.8009	189.6	1906.6	8010.1	568.20	175.7	1598.6	.1949	.8042	.6161	.9408	.9262
.3400	.8079	185.7	1918.0	7998.0	568.10	172.1	1605.3	.1998	.8093	.6152	.9406	.9270
.3500	.8147	181.9	1929.2	7986.3	564.00	168.9	1612.0	.2048	.8143	.6143	.9404	.9275
.3600	.8213	178.3	1940.6	7975.2	567.90	165.4	1618.9	.2098	.8192	.6135	.9403	.9279
.3700	.8278	174.8	1951.9	7963.5	567.79	162.2	1625.8	.2148	.8239	.6125	.9401	.9274
.3800	.8335	171.4	1963.3	7951.4	567.69	159.0	1632.8	.2200	.8285	.6116	.9399	.9275
.3900	.8392	168.2	1974.6	7940.9	567.60	155.9	1639.9	.2251	.8330	.6108	.9398	.9273
.4000	.8448	165.0	1986.0	7929.2	567.50	152.9	1647.1	.2304	.8373	.6099	.9396	.9267
.4100	.8502	162.0	1997.3	7918.4	567.40	150.0	1654.4	.2357	.8416	.6091	.9394	.9259
.4200	.8555	159.1	2008.7	7907.6	567.31	147.2	1661.7	.2410	.8457	.6083	.9393	.9249
.4300	.8607	156.3	2020.0	7897.8	567.22	144.4	1669.3	.2464	.8497	.6075	.9391	.9238
.4400	.8658	153.6	2031.4	7886.6	567.13	141.7	1676.8	.2519	.8536	.6067	.9390	.9226
.4500	.8708	151.0	2042.7	7876.2	567.03	139.1	1684.5	.2574	.8574	.6059	.9388	.9208
.4600	.8743	148.5	2054.1	7866.3	566.94	136.5	1692.3	.2630	.8612	.6051	.9387	.9192
.4700	.8787	146.1	2065.4	7856.3	566.86	134.0	1700.2	.2686	.8648	.6043	.9385	.9174
.4800	.8829	143.8	2076.8	7846.7	566.77	131.6	1708.2	.2744	.8683	.6036	.9384	.9154
.4900	.8869	141.4	2088.1	7836.8	566.68	129.2	1716.3	.2802	.8719	.6029	.9383	.9133
.5000	.8909	139.2	2099.5	7827.6	566.60	126.8	1724.5	.2860	.8752	.6021	.9381	.9110
.5100	.8947	137.1	2110.8	7819.0	566.52	124.6	1732.9	.2920	.8784	.6015	.9380	.9087
.5200	.8984	135.0	2122.2	7809.2	566.44	122.3	1741.3	.2980	.8817	.6007	.9378	.9061
.5300	.9020	133.0	2133.5	7800.0	566.36	120.2	1749.9	.3040	.8848	.6000	.9377	.9035
.5400	.9055	131.0	2144.9	7791.1	566.28	118.0	1758.6	.3102	.8879	.5993	.9376	.9007
.4500	.9089	129.1	2156.2	7782.2	566.20	115.9	1767.4	.3164	.8909	.5986	.9374	.8978
.5600	.9122	127.3	2167.6	7773.3	566.12	113.9	1776.3	.3227	.8938	.5979	.9373	.8944
.4700	.9154	125.5	2178.9	7764.1	566.04	111.9	1785.4	.3291	.8967	.5973	.9372	.8917
.5800	.9185	123.8	2190.3	7755.5	565.98	110.0	1794.7	.3354	.8995	.5967	.9371	.8884
.5900	.9216	122.1	2201.6	7746.5	565.90	108.1	1804.0	.3422	.9022	.5961	.9370	.8853
.4000	.9245	120.4	2213.0	7741.0	565.83	106.2	1813.5	.3488	.9049	.5955	.9368	.8819
.6100	.9274	118.8	2224.3	7732.4	565.75	104.3	1823.1	.3555	.9075	.5948	.9367	.8783
.6200	.9302	117.2	2235.6	7725.8	565.69	102.6	1832.9	.3624	.9101	.5942	.9366	.8744
.6300	.9330	115.7	2247.0	7716.8	565.61	100.8	1842.7	.3693	.9126	.5936	.9365	.8710
.6400	.9356	114.2	2258.4	7708.6	565.54	99.1	1852.6	.3763	.9151	.5930	.9364	.8673
.6500	.9381	112.8	2269.7	7701.3	565.47	97.4	1863.0	.3834	.9175	.5924	.9362	.8634
.6600	.9407	111.4	2281.1	7693.7	565.40	95.7	1873.3	.3906	.9198	.5919	.9361	.8594
.6700	.9431	110.0	2292.4	7687.0	565.34	94.1	1883.9	.3979	.9222	.5913	.9360	.8555
.6800	.9455	108.7	2303.8	7679.1	565.27	92.5	1894.5	.4053	.9244	.5907	.9359	.8513
.6900	.9478	107.3	2315.1	7672.4	565.21	90.9	1905.4	.4129	.9267	.5902	.9358	.8472
.7000	.9501	106.1	2326.5	7665.4	565.15	89.4	1916.4	.4205	.9289	.5896	.9357	.8430
.7100	.9524	104.8	2337.8	7658.4	565.09	87.9	1927.5	.4282	.9310	.5891	.9356	.8386
.7200	.9545	103.6	2349.2	7651.5	565.02	86.4	1938.9	.4361	.9331	.5886	.9355	.8342
.7300	.9567	102.4	2360.5	7643.8	564.96	85.0	1950.4	.4440	.9350	.5880	.9354	.8297
.7400	.9587	101.2	2371.9	7637.2	564.89	83.5	1962.1	.4521	.9372	.5875	.9353	.8252
.7500	.9608	100.1	2383.2	7630.5	564.83	82.2	1974.0	.4603	.9392	.5870	.9352	.8206
.7600	.9628	99.0	2394.6	7624.8	564.78	80.8	1986.1	.4687	.9411	.5865	.9351	.8161
.7700	.9647	97.9	2405.9	7617.5	564.72	79.4	1998.4	.4773	.9430	.5860	.9350	.8113
.7800	.9666	96.8	2417.3	7611.2	564.66	78.1	2010.9	.4859	.9449	.5855	.9348	.8065
.7900	.9685	95.8	2428.6	7604.5	564.60	76.8	2023.5	.4944	.9468	.5850	.9348	.8017
.8000	.9703	94.8	2440.0	7599.4	564.55	75.5	2036.5	.5033	.9486	.5846	.9347	.7969
.8100	.9721	93.8	2451.3	7592.4	564.49	74.3	2049.6	.5122	.9504	.5840	.9346	.7919
.8200	.9738	92.8	2462.7	7586.4	564.43	73.0	2062.9	.5215	.9521	.5836	.9345	.7870
.8300	.9755	91.8	2474.0	7580.4	564.38	71.8	2076.5	.5309	.9538	.5831	.9344	.7819
.8400	.9772	90.9	2485.4	7573.3	564.33	70.6	2090.3	.5403	.9555	.5827	.9343	.7769
.8500	.9788	90.0	2496.7	7566.4	564.25	69.4	2104.2	.5494	.9572	.5820	.9342	.7716
.8600	.9805	89.1	2508.1	7562.9	564.22	68.3	2118.6	.5596	.9588	.5818	.9342	.7665
.8700	.9820	88.2	2519.4	7558.8	564.18	67.2	2133.2	.5695	.9604	.5814	.9341	.7614
.8800	.9836	87.3	2530.8	7551.2	564.11	66.0	2147.9	.5797	.9620	.5809	.9340	.7560
.8900	.9851	86.5	2542.1	7545.7	564.07	64.9	2163.0	.5900	.9635	.5805	.9339	.7504
.9000	.9866	85.7	2553.5	7540.4	564.02	63.9	2178.3	.6004	.9651	.5800	.9338	.7454
.9100	.9880	84.8	2564.8	7534.7	563.96	62.8	2193.9	.6111	.9666	.5796	.9337	.7400
.9200	.9895	84.0	2576.2	7529.6	563.92	61.7	2209.8	.6219	.9681	.5792	.9337	.7346
.9300	.9909	83.1	2587.5	7524.1	563.88	60.7	2226.0	.6330	.9695	.5789	.9336	.7292
.9400	.9922	82.3	2598.9	7520.1	563.83	59.7	2242.5	.6443	.9709	.5785	.9335	.7237
.9500	.9936	81.7	2610.2	7514.0	563.77	58.7	2259.3	.6556	.9723	.5780	.9334	.7180
.9600	.9949	81.0	2621.6	7510.5	563.74	57.7	2276.5	.6673	.9737	.5777	.9334	.7126
.9700	.9962	80.3	2632.9	7503.9	563.68	56.7	2293.8	.6791	.9751	.5773	.9333	.7068
.9800	.9975	79.5	2644.3	7499.9	563.64	55.8	2311.7	.6911	.9764	.5769	.9332	.7013
.9900	.9988	78.8	2655.6	7494.7	563.60	54.8	2329.8	.7035	.9778	.5765	.9331	.6955
1.0000	1.0000	78.1	2667.0	7489.0	563.54	53.9	2348.2	.7160	.9791	.5761	.9331	.6898

TABLE 6. SATURATED CRITICAL STATE PROPERTIES

(PO 14000 KPA (TSAT 609.79 K))

XO	AO	RO KG/M3	HO KJ/KG	PO KPA	TO K	RO KG/M3	HO KJ/KG	X*	A*	PR	TR	RR
.0000	0.0000	620.9	1571.6	9056.9	576.91	383.9	1452.6	.0826	.4890	.6469	.9461	.6184
.0100	.0672	585.0	1582.3	9090.1	576.85	373.8	1457.3	.0663	.5045	.6444	.9460	.6391
.0200	.1371	553.0	1593.1	9041.2	576.77	364.4	1462.1	.0700	.5195	.6459	.9459	.6583
.0300	.1808	524.3	1603.4	9033.3	576.71	354.4	1466.9	.0737	.5339	.6452	.9458	.6765
.0400	.2292	498.5	1614.3	9021.4	576.63	345.6	1471.7	.0778	.5477	.6444	.9456	.6934
.0500	.2731	475.1	1625.2	9009.4	576.53	336.9	1476.5	.0814	.5611	.6435	.9455	.7091
.0600	.3130	453.8	1635.9	8997.5	576.44	328.5	1481.3	.0852	.5739	.6427	.9453	.7239
.0700	.3495	434.3	1646.6	8984.5	576.33	320.4	1486.3	.0891	.5864	.6417	.9451	.7377
.0800	.3829	416.4	1657.3	8970.6	576.22	312.6	1491.0	.0933	.5983	.6406	.9449	.7506
.0900	.4138	400.0	1668.0	8956.4	576.11	305.0	1496.0	.0970	.6099	.6397	.9448	.7626
.1000	.4423	384.8	1678.7	8942.6	576.00	297.8	1500.9	.1010	.6210	.6388	.9446	.7739
.1100	.4687	370.7	1689.4	8928.4	575.88	290.7	1505.9	.1050	.6317	.6377	.9444	.7844
.1200	.4932	357.6	1700.1	8914.2	575.77	284.0	1511.0	.1091	.6420	.6367	.9442	.7942
.1300	.5161	345.4	1710.8	8898.9	575.64	277.4	1516.1	.1131	.6520	.6355	.9440	.8033
.1400	.5374	334.0	1721.5	8883.3	575.53	271.1	1521.2	.1173	.6616	.6345	.9438	.8118
.1500	.5574	323.3	1732.2	8870.0	575.41	265.0	1526.4	.1214	.6709	.6336	.9436	.8197
.1600	.5762	313.3	1743.0	8854.9	575.29	259.1	1531.7	.1258	.6799	.6325	.9434	.8270
.1700	.5938	303.9	1753.7	8840.9	575.18	253.4	1537.0	.1299	.6885	.6315	.9432	.8339
.1800	.6104	295.0	1764.4	8826.2	575.06	247.9	1542.4	.1341	.6969	.6304	.9430	.8402
.1900	.6260	286.6	1775.1	8811.2	574.94	242.5	1547.8	.1383	.7051	.6294	.9428	.8460
.2000	.6408	278.7	1785.8	8797.3	574.83	237.3	1553.2	.1426	.7129	.6284	.9427	.8515
.2100	.6548	271.3	1796.5	8783.5	574.71	232.3	1558.8	.1470	.7205	.6274	.9425	.8565
.2200	.6681	264.2	1807.2	8768.8	574.59	227.5	1564.4	.1514	.7278	.6263	.9423	.8610
.2300	.6807	257.5	1817.9	8755.5	574.49	222.8	1570.1	.1558	.7349	.6254	.9421	.8652
.2400	.6927	251.1	1828.5	8741.5	574.37	218.3	1575.8	.1603	.7418	.6244	.9419	.8690
.2500	.7041	245.0	1839.1	8727.8	574.26	213.9	1581.6	.1648	.7485	.6234	.9417	.8724
.2600	.7149	239.2	1850.0	8713.8	574.15	209.6	1587.4	.1693	.7550	.6224	.9415	.8755
.2700	.7253	233.7	1860.7	8700.4	574.04	205.5	1593.3	.1739	.7613	.6215	.9414	.8783
.2800	.7351	228.4	1871.4	8687.1	573.93	201.5	1599.3	.1785	.7674	.6205	.9412	.8808
.2900	.7446	223.4	1882.2	8674.5	573.83	197.7	1605.4	.1831	.7733	.6196	.9410	.8830
.3000	.7536	218.5	1892.9	8661.1	573.71	193.9	1611.5	.1878	.7791	.6187	.9408	.8849
.3100	.7623	213.9	1903.6	8648.9	573.61	190.3	1617.8	.1926	.7847	.6178	.9407	.8865
.3200	.7706	209.5	1914.3	8636.5	573.51	186.8	1624.0	.1974	.7901	.6169	.9405	.8880
.3300	.7785	205.2	1925.0	8624.4	573.41	183.5	1630.4	.2022	.7954	.6160	.9403	.8893
.3400	.7862	201.2	1935.7	8612.6	573.31	180.1	1636.9	.2071	.8005	.6151	.9402	.8902
.3500	.7935	197.2	1946.4	8600.0	573.21	176.9	1643.4	.2120	.8056	.6143	.9400	.8909
.3600	.8006	193.5	1957.1	8588.0	573.11	173.8	1649.9	.2170	.8104	.6134	.9398	.8913
.3700	.8074	189.8	1967.8	8575.6	573.02	170.8	1656.6	.2220	.8152	.6126	.9397	.8916
.3800	.8139	186.3	1978.5	8563.1	572.92	167.8	1663.4	.2271	.8198	.6118	.9395	.8917
.3900	.8202	183.0	1989.2	8551.5	572.83	164.9	1670.2	.2322	.8243	.6110	.9394	.8915
.4000	.8263	179.7	1999.9	8542.5	572.73	162.2	1677.2	.2373	.8287	.6101	.9392	.8913
.4100	.8322	176.6	2010.6	8531.2	572.64	159.3	1684.2	.2426	.8330	.6094	.9391	.8908
.4200	.8379	173.5	2021.3	8521.0	572.56	156.6	1691.4	.2478	.8371	.6086	.9389	.8903
.4300	.8434	170.6	2031.9	8510.4	572.46	154.0	1698.6	.2532	.8412	.6078	.9388	.8897
.4400	.8487	167.8	2042.6	8499.1	572.37	151.4	1705.7	.2586	.8452	.6071	.9386	.8888
.4485	.8528	165.1	2051.6	8489.8	572.29	149.3	1711.8	.2640	.8490	.6064	.9385	.8874
.4500	.8538	164.6	2053.2	8479.3	572.21	146.5	1713.1	.2695	.8529	.6057	.9384	.8861
.4600	.8589	161.9	2063.9	8468.4	572.12	143.9	1720.6	.2751	.8565	.6049	.9382	.8845
.4700	.8636	159.4	2074.6	8458.4	572.03	141.4	1728.1	.2807	.8601	.6042	.9381	.8831
.4800	.8682	157.0	2085.3	8449.2	571.96	139.0	1735.8	.2864	.8636	.6035	.9380	.8814
.4900	.8727	154.7	2096.0	8438.6	571.87	136.6	1743.6	.2921	.8671	.6028	.9378	.8796
.5000	.8771	152.6	2107.0	8429.1	571.79	134.2	1751.4	.2979	.8704	.6021	.9377	.8777
.5100	.8814	150.3	2117.7	8420.8	571.72	131.9	1759.3	.3038	.8737	.6015	.9376	.8757
.5200	.8855	148.1	2128.4	8410.3	571.63	129.7	1767.4	.3098	.8769	.6007	.9374	.8735
.5300	.8895	146.0	2139.1	8402.1	571.56	127.5	1775.6	.3159	.8801	.6001	.9373	.8713
.5400	.8934	143.9	2149.8	8391.8	571.47	125.4	1783.9	.3219	.8832	.5994	.9372	.8688
.5500	.8972	141.9	2160.5	8383.3	571.40	123.3	1792.2	.3280	.8862	.5988	.9370	.8664
.5600	.9008	139.9	2171.2	8374.0	571.33	121.2	1800.7	.3343	.8891	.5981	.9369	.8638
.5700	.9044	138.0	2181.9	8366.4	571.26	119.3	1809.3	.3406	.8920	.5976	.9368	.8612
.5800	.9079	136.2	2192.5	8357.3	571.18	117.3	1818.1	.3469	.8948	.5969	.9367	.8585
.5900	.9113	134.4	2203.2	8349.4	571.12	115.4	1826.9	.3534	.8976	.5964	.9366	.8555
.6000	.9146	132.6	2214.1	8340.2	571.04	113.6	1835.8	.3599	.9003	.5957	.9365	.8525
.6100	.9178	130.9	2224.8	8331.4	570.97	111.8	1845.0	.3665	.9030	.5951	.9363	.8494
.6200	.9209	129.2	2235.5	8323.8	570.90	110.0	1854.2	.3733	.9056	.5946	.9362	.8463
.6300	.9240	127.6	2246.2	8316.5	570.84	108.3	1863.5	.3801	.9081	.5940	.9361	.8432
.6400	.9269	126.0	2256.9	8308.1	570.77	106.7	1872.9	.3869	.9106	.5934	.9360	.8398
.6500	.9298	124.4	2267.6	8300.9	570.71	105.1	1882.4	.3939	.9131	.5929	.9359	.8365
.6600	.9327	122.9	2278.3	8293.3	570.63	103.5	1892.0	.4009	.9155	.5923	.9358	.8330
.6700	.9354	121.5	2289.0	8284.8	570.57	102.0	1901.7	.4081	.9179	.5918	.9357	.8294
.6800	.9381	120.0	2299.7	8277.0	570.50	100.6	1911.5	.4153	.9202	.5912	.9356	.8259
.6900	.9408	118.6	2310.4	8269.8	570.44	99.1	1921.4	.4227	.9225	.5907	.9355	.8223
.7000	.9434	117.2	2321.2	8263.3	570.39	97.8	1931.4	.4301	.9247	.5902	.9354	.8186
.7100	.9459	115.9	2331.9	8255.4	570.32	96.4	1941.5	.4376	.9269	.5897	.9353	.8148
.7200	.9483	114.5	2342.6	8248.9	570.26	95.1	1951.7	.4453	.9290	.5892	.9352	.8110
.7300	.9507	113.3	2353.3	8241.1	570.20	93.9	1962.0	.4530	.9311	.5886	.9351	.8070
.7400	.9531	112.0	2364.0	8234.2	570.14	92.6	1972.4	.4609	.9332	.5882	.9350	.8031
.7500	.9554	110.8	2374.7	8227.4	570.08	91.4	1982.9	.4689	.9353	.5877	.9349	.7990
.7600	.9576	109.6	2385.4	8220.9	570.02	90.2	1993.5	.4769	.9373	.5872	.9348	.7949
.7700	.9598	108.4	2396.1	8213.7	569.96	89.0	2004.2	.4851	.9392	.5867	.9347	.7908
.7800	.9620	107.3	2406.8	8207.9	569.91	87.8	2015.0	.4934	.9411	.5863	.9346	.7867
.7900	.9641	106.2	2417.5	8200.7	569.85	86.7	2025.9	.5019	.9430	.5858	.9345	.7824
.8000	.9662	105.1	2428.2	8194.9	569.80	85.5	2036.9	.5104	.9449	.5854	.9344	.7781
.8100	.9682	104.0	2438.9	8189.5	569.75	84.4	2047.9	.5191	.9467	.5849	.9343	.7738
.8200	.9702	102.9	2449.6	8181.2	569.69	83.4	2059.0	.5279	.9486	.5844	.9342	.7693
.8300	.9722	101.9	2460.3	8175.1	569.63	82.3	2070.2	.5368	.9503	.5839	.9341	.7649
.8400	.9740	100.9	2471.1	8168.9	569.58	81.3	2081.4	.5459	.9521	.5835	.9341	.7604
.8500	.9759	99.9	2481.8	8162.8	569.53	80.3	2092.7	.5551	.9538	.5831	.9340	.7558
.8600	.9777	98.9	2492.5	8157.0	569.48	79.3	2104.1	.5644	.9555	.5826	.9339	.7513
.8700	.9795	97.9	2503.2	8151.1	569.43	78.4	2115.5	.5740	.9571	.5823	.9339	.7467
.8800	.9813	97.0	2513.9	8145.0	569.37	77.4	2127.1	.5837	.9588	.5818	.9337	.7420
.8900	.9830	96.1	2524.6	8139.9	569.32	76.5	2138.7	.5935	.9604	.5813	.9336	.7372
.9000	.9847	95.2	2535.3	8133.4	569.27	75.6	2150.4	.6034	.9622	.5810	.9336	.7325
.9100	.9863	94.3	2546.0	8128.6	569.23	74.7	2162.2	.6135	.9639	.5806	.9335	.7278
.9200	.9880	93.4	2556.7	8123.1	569.19	73.9	2174.1	.6239	.9655	.5802	.9334	.7230
.9300	.9896	92.6	2567.4	8117.2	569.13	73.0	2186.1	.6343	.9671	.5798	.9333	.7181
.9400	.9911	91.7	2578.1	8112.0	569.10	72.2	2198.2	.6450	.9688	.5795	.9333	.7133
.9500	.9927	90.9	2588.8	8105.7	569.04	71.4	2210.4	.6558	.9705	.5790	.9332	.7082
.9600	.9942	90.1	2599.5	8100.3	568.99	70.6	2222.8	.6668	.9710	.5787	.9331	.7033
.9700	.9957	89.3	2610.2	8095.8	568.95	69.8	2235.2	.6780	.9734	.5783	.9330	.6983
.9800	.9971	88.5	2621.0	8090.6	568.90	69.0	2247.8	.6893	.9749	.5779	.9329	.6932
.9900	.9986	87.7	2631.7	8084.2	568.85	68.3	2260.5	.7009	.9762	.5774	.9329	.6881
1.0000	1.0000	87.0	2642.4									

TABLE 3. SATURATED CRITICAL STATE PROPERTIES

(PO 15000 KPA (TSAT 615.28 K))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	RR	TR	HR
.0000	0.0000	603.2	1611.0	9664.7	581.61	374.9	1488.0	.0706	.4979	.6443	.9453	.6215
.0100	.0393	573.2	1621.1	9656.6	581.55	366.0	1492.6	.0743	.5120	.6438	.9452	.6386
.0200	.1179	546.0	1631.1	9647.8	581.49	357.3	1497.3	.0780	.5255	.6432	.9451	.6565
.0300	.1617	521.1	1641.1	9637.4	581.41	348.6	1501.9	.0818	.5387	.6425	.9440	.6694
.0400	.2063	498.7	1651.2	9625.5	581.32	340.8	1506.6	.0856	.5514	.6417	.9448	.6884
.0500	.2471	478.0	1661.2	9614.5	581.23	333.0	1511.3	.0894	.5636	.6410	.9447	.6967
.0600	.2847	459.0	1671.3	9601.7	581.14	325.4	1516.0	.0933	.5755	.6401	.9445	.7090
.0700	.3196	441.4	1681.3	9588.9	581.04	318.1	1520.7	.0972	.5870	.6393	.9443	.7207
.0800	.3516	425.1	1691.3	9576.7	580.94	311.0	1525.4	.1011	.5981	.6384	.9442	.7316
.0900	.3815	409.8	1701.4	9562.1	580.84	304.1	1530.3	.1051	.6088	.6375	.9440	.7419
.1000	.4093	395.9	1711.4	9548.6	580.73	297.5	1535.1	.1090	.6192	.6366	.9438	.7515
.1100	.4353	382.7	1721.5	9534.7	580.63	291.1	1540.1	.1130	.6292	.6356	.9437	.7605
.1200	.4596	370.4	1731.5	9520.8	580.52	284.8	1545.0	.1171	.6389	.6347	.9435	.7690
.1300	.4826	358.9	1741.6	9506.4	580.41	278.8	1550.0	.1211	.6483	.6338	.9433	.7769
.1400	.5038	348.0	1751.6	9492.7	580.33	273.0	1555.0	.1253	.6574	.6329	.9432	.7844
.1500	.5240	337.8	1761.6	9479.0	580.26	267.3	1560.1	.1294	.6662	.6319	.9430	.7914
.1600	.5430	328.2	1771.7	9464.0	580.09	261.8	1565.2	.1336	.6747	.6309	.9428	.7978
.1700	.5609	319.1	1781.7	9450.4	579.98	256.5	1570.4	.1377	.6830	.6300	.9426	.8039
.1800	.5779	310.5	1791.7	9436.5	579.87	251.3	1575.6	.1420	.6910	.6291	.9424	.8095
.1900	.5940	302.3	1801.8	9422.2	579.76	246.3	1580.8	.1462	.6988	.6281	.9423	.8147
.2000	.6093	294.6	1811.8	9408.0	579.65	241.4	1586.1	.1505	.7063	.6271	.9421	.8196
.2100	.6238	287.3	1821.9	9394.0	579.55	236.7	1591.5	.1548	.7136	.6263	.9419	.8241
.2200	.6376	280.3	1831.9	9380.0	579.45	232.1	1597.0	.1592	.7207	.6254	.9418	.8283
.2300	.6507	273.6	1841.9	9366.2	579.33	227.6	1602.4	.1636	.7276	.6244	.9416	.8320
.2400	.6632	267.2	1851.9	9353.6	579.23	223.3	1608.0	.1680	.7343	.6236	.9414	.8355
.2500	.6752	261.2	1861.8	9340.6	579.13	219.1	1613.6	.1725	.7408	.6227	.9413	.8389
.2600	.6867	255.4	1871.8	9327.4	579.03	215.0	1619.3	.1770	.7471	.6218	.9411	.8418
.2700	.6976	249.9	1881.8	9314.2	578.93	211.0	1625.0	.1815	.7533	.6209	.9409	.8445
.2800	.7081	244.6	1891.8	9300.7	578.82	207.1	1630.7	.1860	.7593	.6200	.9407	.8468
.2900	.7181	239.5	1901.8	9287.8	578.72	203.3	1636.6	.1907	.7651	.6193	.9406	.8490
.3000	.7277	234.6	1911.8	9281.2	578.67	199.7	1642.7	.1953	.7706	.6188	.9405	.8513
.3100	.7370	229.9	1921.8	9262.6	578.53	196.0	1648.5	.2000	.7762	.6175	.9403	.8526
.3200	.7459	225.4	1931.8	9252.0	578.44	192.4	1654.6	.2047	.7816	.6168	.9401	.8541
.3300	.7544	221.1	1941.8	9238.0	578.34	189.1	1660.7	.2095	.7868	.6159	.9400	.8553
.3400	.7626	216.9	1951.8	9226.0	578.24	185.8	1666.8	.2143	.7919	.6151	.9398	.8563
.3500	.7706	212.9	1961.8	9213.9	578.15	182.5	1673.1	.2191	.7969	.6143	.9396	.8571
.3600	.7782	209.0	1971.8	9202.9	578.06	179.3	1679.4	.2240	.8017	.6135	.9395	.8578
.3700	.7856	205.3	1981.8	9190.4	577.96	176.2	1685.8	.2289	.8065	.6127	.9393	.8582
.3800	.7926	201.7	1991.8	9179.4	577.88	173.2	1692.3	.2339	.8111	.6120	.9392	.8586
.3900	.7995	198.3	2001.8	9168.5	577.79	170.2	1698.8	.2390	.8158	.6113	.9391	.8587
.4000	.8061	194.9	2012.6	9158.2	577.71	167.4	1705.4	.2440	.8199	.6105	.9389	.8589
.4100	.8125	191.7	2022.7	9145.4	577.61	164.5	1712.1	.2492	.8242	.6097	.9388	.8584
.4200	.8187	188.5	2032.7	9134.4	577.52	161.8	1718.8	.2543	.8284	.6090	.9386	.8581
.4300	.8247	185.5	2042.7	9123.8	577.44	159.1	1725.6	.2595	.8325	.6083	.9385	.8576
.4400	.8305	182.5	2052.8	9112.8	577.35	156.4	1732.7	.2648	.8365	.6075	.9384	.8569
.4500	.8361	179.7	2062.8	9103.3	577.28	153.9	1739.7	.2701	.8404	.6069	.9382	.8562
.4600	.8416	176.9	2072.9	9091.9	577.19	151.3	1746.8	.2755	.8442	.6061	.9381	.8553
.4700	.8469	174.3	2082.9	9081.7	577.11	148.9	1754.0	.2809	.8479	.6054	.9380	.8542
.4800	.8520	171.7	2093.0	9072.5	577.03	146.4	1761.3	.2864	.8516	.6049	.9378	.8531
.4900	.8570	169.1	2103.0	9062.3	576.95	144.1	1768.6	.2920	.8551	.6042	.9377	.8518
.5000	.8618	166.7	2113.0	9052.4	576.87	141.9	1776.1	.2976	.8586	.6035	.9376	.8504
.5100	.8665	164.3	2123.1	9043.9	576.81	139.5	1783.6	.3032	.8620	.6029	.9375	.8490
.5200	.8711	162.0	2133.1	9032.6	576.72	137.3	1791.2	.3089	.8654	.6022	.9373	.8473
.5300	.8754	159.8	2143.1	9023.1	576.64	135.1	1798.9	.3147	.8687	.6014	.9372	.8454
.5400	.8798	157.6	2153.2	9013.2	576.56	132.9	1806.7	.3206	.8719	.6009	.9371	.8437
.5500	.8840	155.4	2163.2	9005.1	576.50	130.9	1814.7	.3265	.8750	.6003	.9370	.8419
.5600	.8881	153.4	2173.3	8994.2	576.42	128.8	1822.6	.3324	.8781	.5997	.9368	.8398
.5700	.8921	151.4	2183.3	8986.1	576.35	126.8	1830.7	.3384	.8811	.5991	.9367	.8377
.5800	.8960	149.4	2193.3	8977.3	576.29	124.8	1838.8	.3445	.8841	.5985	.9366	.8355
.5900	.8997	147.5	2203.4	8968.5	576.20	122.9	1847.1	.3507	.8870	.5979	.9365	.8332
.6000	.9034	145.6	2213.4	8959.7	576.13	121.0	1855.5	.3569	.8898	.5973	.9364	.8308
.6100	.9070	143.8	2223.5	8953.1	576.08	119.1	1864.0	.3633	.8926	.5969	.9363	.8285
.6200	.9105	142.0	2233.5	8943.6	576.01	117.3	1872.6	.3696	.8953	.5962	.9362	.8259
.6300	.9139	140.3	2243.5	8934.4	575.93	115.5	1881.4	.3761	.8980	.5956	.9360	.8232
.6400	.9173	138.6	2253.6	8926.0	575.86	113.7	1890.4	.3826	.9005	.5951	.9359	.8204
.6500	.9205	137.0	2263.6	8916.0	575.80	112.0	1899.4	.3892	.9032	.5944	.9358	.8178
.6600	.9237	135.3	2273.7	8909.9	575.73	110.3	1908.5	.3959	.9057	.5940	.9357	.8149
.6700	.9268	133.8	2283.7	8901.9	575.67	108.6	1917.7	.4026	.9082	.5935	.9356	.8120
.6800	.9298	132.2	2293.7	8894.2	575.61	107.0	1927.0	.4094	.9106	.5929	.9355	.8091
.6900	.9328	130.7	2303.8	8887.3	575.54	105.4	1936.5	.4164	.9130	.5925	.9354	.8061
.7000	.9357	129.3	2313.8	8878.8	575.48	103.8	1946.0	.4234	.9154	.5919	.9353	.8030
.7100	.9385	127.8	2323.9	8871.8	575.43	102.2	1955.8	.4305	.9177	.5915	.9352	.7998
.7200	.9413	126.4	2333.9	8863.4	575.35	100.7	1965.6	.4377	.9200	.5909	.9351	.7965
.7300	.9440	125.1	2343.9	8856.1	575.30	99.2	1975.5	.4450	.9223	.5904	.9350	.7933
.7400	.9467	123.8	2354.0	8848.8	575.24	97.7	1985.6	.4523	.9244	.5899	.9349	.7899
.7500	.9493	122.4	2364.0	8842.5	575.19	96.3	1995.9	.4598	.9265	.5895	.9348	.7865
.7600	.9518	121.1	2374.1	8835.2	575.13	94.8	2006.3	.4673	.9286	.5890	.9347	.7831
.7700	.9543	119.9	2384.1	8827.5	575.07	93.4	2016.8	.4750	.9307	.5885	.9346	.7796
.7800	.9567	118.6	2394.1	8821.3	575.02	92.1	2027.4	.4827	.9328	.5881	.9346	.7761
.7900	.9591	117.4	2404.2	8813.6	574.96	90.7	2038.3	.4906	.9348	.5876	.9345	.7724
.8000	.9615	116.2	2414.2	8806.6	574.90	89.3	2049.3	.4985	.9368	.5871	.9344	.7687
.8100	.9638	115.1	2424.3	8800.8	574.85	88.0	2060.4	.5066	.9387	.5867	.9343	.7651
.8200	.9660	113.9	2434.3	8793.1	574.79	86.7	2071.7	.5148	.9406	.5862	.9342	.7613
.8300	.9682	112.8	2444.3	8786.5	574.74	85.4	2083.1	.5230	.9425	.5858	.9341	.7575
.8400	.9704	111.7	2454.4	8781.0	574.69	84.2	2094.8	.5315	.9444	.5854	.9340	.7537
.8500	.9725	110.6	2464.4	8774.4	574.64	83.0	2106.5	.5400	.9462	.5850	.9339	.7498
.8600	.9746	109.6	2474.5	8767.1	574.58	81.7	2118.5	.5486	.9480	.5845	.9338	.7458
.8700	.9766	108.6	2484.5	8760.6	574.53	80.5	2130.6	.5573	.9497	.5841	.9338	.7419
.8800	.9786	107.5	2494.5	8754.6	574.48	79.3	2142.9	.5662	.9515	.5836	.9337	.7379
.8900	.9806	106.6	2504.6	8749.5	574.44	78.2	2155.5	.5752	.9532	.5833	.9336	.7338
.9000	.9825	105.6	2514.6	8742.6	574.38	77.0	2168.1	.5843	.9549	.5829	.9335	.7297
.9100	.9844	104.6	2524.7	8736.3	574.33	75.9	2181.0	.5936	.9565	.5824	.9334	.7255
.9200	.9862	103.7	2534.7	8731.2	574.29	74.8	2194.1	.6030	.9582	.5821	.9334	.7214
.9300	.9881	102.7	2544.7	8725.3	574.24	73.7	2207.4	.6126	.9598	.5819	.9333	.7173
.9400	.9899	101.8	2554.8	8719.5	574.19	72.6	2220.9	.6223	.9614	.5813	.9332	.7130
.9500	.9916	100.9	2564.8	8713.6	574.14	71.5	2234.6	.6321	.9629	.5809	.9331	.7087
.9600	.9934	100.1	2574.9	8707.0	574.09	70.5	2248.5	.6420	.9645	.5805	.9331	.7043
.9700	.9951	99.3	2584.9	8701.5	574.05	69.4	2262.6	.6521	.9660	.5801	.9330	.7000
.9800	.9967	98.4	2594.9	8696.8	574.01	68.4	2277.0	.6623	.9675	.5798	.9329	.6955
.9900	.9984	97.5	2605.0	8690.6	573.96	67.4	2291.6	.6729	.9690	.5794	.9328	.6912
1.0000	1.0000	96.7	2615.0	8685.8	573.92	66.4	2306.4	.6835	.9704	.5791	.9328	.6868

TABLE 6. SATURATED CRITICAL STATE PROPERTIES

(PO 16000 KPA (TSAT 620.48 K))

XO	AO	RO KG/M3	HO KJ/KG	PO KPA	TO K	RO KG/M3	HO KJ/KG	XO	AO	PR	TR	RR
0.0000	0.0000	584.7	1650.5	10268.8	586.07	365.4	1523.5	.0797	.5084	.6418	.9449	.4249
.0100	.0521	559.8	1659.9	10239.8	586.00	357.5	1528.0	.0834	.5210	.6412	.9446	.6386
.0200	.1000	537.0	1669.2	10250.0	585.93	349.9	1532.4	.0871	.5331	.6406	.9443	.6519
.0300	.1441	516.9	1678.6	10258.8	585.86	342.5	1537.0	.0908	.5451	.6400	.9442	.6648
.0400	.1848	498.5	1687.9	10268.9	585.78	335.3	1541.5	.0946	.5566	.6393	.9441	.6793
.0500	.2226	478.4	1697.3	10216.6	585.69	328.3	1546.0	.0984	.5678	.6385	.9439	.6862
.0600	.2578	461.8	1706.8	10204.5	585.60	321.5	1550.6	.1023	.5785	.6378	.9438	.6965
.0700	.2906	446.3	1716.3	10192.0	585.51	315.0	1555.2	.1064	.5891	.6370	.9436	.7095
.0800	.3212	431.9	1725.9	10178.8	585.43	308.6	1559.8	.1100	.5993	.6362	.9435	.7190
.0900	.3499	417.7	1734.6	10166.0	585.32	302.4	1564.5	.1140	.6092	.6354	.9433	.7340
.1000	.3768	404.9	1744.0	10152.9	585.23	296.4	1569.2	.1179	.6188	.6346	.9432	.7321
.1100	.4021	392.8	1753.3	10139.8	585.13	290.6	1573.9	.1219	.6281	.6337	.9430	.7399
.1200	.4260	381.4	1762.7	10126.8	585.03	284.9	1578.6	.1264	.6371	.6329	.9429	.7470
.1300	.4488	370.7	1772.0	10112.5	584.93	279.4	1583.3	.1300	.6459	.6320	.9427	.7533
.1400	.4698	360.5	1781.3	10098.0	584.84	274.1	1588.1	.1340	.6544	.6312	.9426	.7607
.1500	.4899	350.9	1790.7	10085.2	584.73	268.9	1592.8	.1381	.6627	.6303	.9424	.7667
.1600	.5090	341.8	1800.3	10071.1	584.63	263.8	1598.1	.1422	.6707	.6295	.9422	.7719
.1700	.5273	333.1	1809.4	10057.8	584.53	258.9	1603.1	.1463	.6785	.6286	.9421	.7771
.1800	.5448	324.9	1818.7	10044.5	584.44	254.1	1608.1	.1505	.6861	.6278	.9419	.7837
.1900	.5607	317.1	1828.1	10030.9	584.34	249.5	1613.2	.1547	.6935	.6269	.9418	.7867
.2000	.5784	309.6	1837.4	10017.6	584.24	244.9	1618.3	.1589	.7006	.6261	.9416	.7910
.2100	.5913	302.5	1846.7	10004.3	584.14	240.5	1623.5	.1632	.7076	.6253	.9414	.7951
.2200	.6085	295.7	1856.1	9991.0	584.04	236.2	1628.7	.1675	.7144	.6244	.9413	.7988
.2300	.6191	289.2	1865.4	9977.9	583.95	232.0	1634.0	.1718	.7210	.6236	.9411	.8033
.2400	.6322	283.0	1874.8	9964.8	583.85	227.9	1639.3	.1761	.7274	.6228	.9410	.8068
.2500	.6446	277.0	1884.1	9952.1	583.76	224.0	1644.7	.1805	.7337	.6220	.9408	.8095
.2600	.6566	271.3	1893.5	9939.8	583.67	220.1	1650.1	.1849	.7398	.6212	.9407	.8112
.2700	.6681	265.8	1902.8	9926.5	583.57	216.3	1655.6	.1894	.7458	.6204	.9405	.8136
.2800	.6791	260.6	1912.2	9913.7	583.47	212.6	1661.1	.1939	.7516	.6196	.9404	.8149
.2900	.6897	255.5	1921.5	9901.2	583.38	209.0	1666.7	.1984	.7499	.6188	.9402	.8180
.3000	.6999	250.7	1930.8	9889.3	583.29	205.5	1672.4	.2029	.7627	.6181	.9401	.8198
.3100	.7097	246.0	1940.2	9877.3	583.20	202.1	1678.1	.2075	.7681	.6173	.9399	.8215
.3200	.7192	241.5	1949.5	9864.5	583.11	198.7	1683.8	.2121	.7733	.6165	.9398	.8229
.3300	.7283	237.1	1958.9	9853.1	583.02	195.4	1689.7	.2169	.7788	.6158	.9396	.8247
.3400	.7371	232.9	1968.2	9841.4	582.94	192.2	1695.6	.2215	.7834	.6151	.9395	.8254
.3500	.7456	228.9	1977.6	9829.7	582.85	189.1	1701.5	.2262	.7883	.6144	.9394	.8263
.3600	.7538	225.0	1986.9	9818.0	582.76	186.0	1707.6	.2310	.7931	.6136	.9392	.8270
.3700	.7617	221.3	1996.2	9805.9	582.67	183.0	1713.6	.2358	.7978	.6129	.9391	.8276
.3800	.7693	217.8	2005.6	9794.7	582.59	180.1	1719.9	.2407	.8023	.6122	.9389	.8281
.3900	.7768	214.3	2014.9	9783.2	582.50	177.3	1726.1	.2456	.8068	.6115	.9388	.8284
.4000	.7839	210.9	2024.3	9771.9	582.42	174.5	1732.2	.2505	.8111	.6109	.9387	.8285
.4100	.7909	207.7	2033.6	9760.9	582.34	171.7	1738.5	.2555	.8154	.6101	.9385	.8285
.4200	.7976	204.5	2043.0	9750.8	582.26	169.0	1745.0	.2605	.8195	.6094	.9384	.8285
.4300	.8041	201.4	2052.3	9739.5	582.18	166.4	1751.4	.2656	.8236	.6087	.9383	.8282
.4400	.8105	198.4	2061.6	9729.7	582.10	163.8	1758.0	.2707	.8276	.6081	.9382	.8279
.4500	.8166	195.5	2071.0	9718.4	582.02	161.3	1764.6	.2759	.8315	.6074	.9380	.8274
.4600	.8226	192.1	2080.3	9708.4	581.94	158.8	1771.3	.2811	.8353	.6068	.9379	.8268
.4700	.8284	189.4	2089.7	9697.7	581.86	156.4	1778.0	.2863	.8390	.6061	.9378	.8260
.4800	.8340	186.7	2099.0	9687.5	581.78	154.0	1784.9	.2917	.8427	.6055	.9376	.8252
.4900	.8395	184.1	2108.4	9677.7	581.71	151.7	1791.8	.2970	.8463	.6049	.9375	.8243
.5000	.8448	181.5	2117.7	9667.6	581.63	149.4	1798.8	.3024	.8498	.6042	.9374	.8232
.5100	.8499	179.1	2127.0	9657.8	581.56	147.2	1805.8	.3079	.8532	.6036	.9373	.8221
.5200	.8550	176.7	2136.4	9649.2	581.50	145.0	1813.0	.3134	.8566	.6031	.9372	.8209
.5300	.8599	174.3	2145.7	9638.7	581.42	142.9	1820.2	.3189	.8599	.6024	.9370	.8196
.5400	.8647	172.0	2155.1	9631.2	581.36	140.8	1827.6	.3245	.8631	.6020	.9370	.8183
.5500	.8693	169.8	2164.4	9619.9	581.27	138.7	1834.9	.3302	.8663	.6012	.9368	.8166
.5600	.8738	167.7	2173.8	9611.3	581.21	136.6	1842.4	.3360	.8694	.6007	.9367	.8151
.5700	.8783	165.5	2183.1	9601.6	581.13	134.6	1849.9	.3417	.8725	.6001	.9366	.8134
.5800	.8826	163.5	2192.5	9593.1	581.06	132.7	1857.6	.3476	.8755	.5995	.9365	.8116
.5900	.8868	161.5	2201.8	9583.6	581.00	130.7	1865.3	.3535	.8784	.5990	.9364	.8098
.6000	.8909	159.5	2211.1	9575.8	580.94	128.9	1873.2	.3595	.8813	.5985	.9363	.8079
.6100	.8949	157.6	2220.5	9566.0	580.86	127.0	1881.1	.3655	.8841	.5979	.9362	.8059
.6200	.8988	155.7	2229.8	9557.4	580.80	125.2	1889.1	.3716	.8869	.5973	.9361	.8038
.6300	.9026	153.9	2239.2	9548.0	580.74	123.4	1897.2	.3777	.8897	.5969	.9360	.8017
.6400	.9063	152.1	2248.5	9540.2	580.67	121.6	1905.4	.3839	.8924	.5963	.9358	.7994
.6500	.9100	150.4	2257.9	9532.4	580.61	119.9	1913.7	.3902	.8950	.5958	.9357	.7972
.6600	.9136	148.7	2267.2	9525.0	580.55	118.2	1922.1	.3966	.8976	.5953	.9357	.7949
.6700	.9170	147.0	2276.6	9516.0	580.48	116.5	1930.6	.4030	.9001	.5948	.9355	.7924
.6800	.9204	145.4	2285.9	9507.8	580.42	114.9	1939.2	.4095	.9026	.5942	.9354	.7899
.6900	.9237	143.8	2295.2	9500.8	580.37	113.3	1947.9	.4161	.9051	.5938	.9354	.7875
.7000	.9270	142.3	2304.6	9493.0	580.31	111.7	1956.7	.4227	.9075	.5933	.9353	.7849
.7100	.9302	140.8	2313.9	9485.2	580.25	110.1	1965.7	.4294	.9099	.5928	.9352	.7822
.7200	.9333	139.3	2323.3	9476.6	580.19	108.6	1974.6	.4362	.9122	.5923	.9351	.7795
.7300	.9364	137.8	2332.6	9469.1	580.12	107.0	1983.8	.4430	.9144	.5918	.9350	.7769
.7400	.9394	136.4	2341.9	9462.5	580.07	105.6	1993.1	.4500	.9166	.5914	.9349	.7740
.7500	.9423	135.0	2351.3	9453.9	580.01	104.1	2002.4	.4570	.9190	.5909	.9348	.7711
.7600	.9452	133.6	2360.6	9447.7	579.96	102.6	2012.0	.4641	.9212	.5905	.9347	.7682
.7700	.9480	132.3	2370.0	9439.5	579.90	101.2	2021.5	.4713	.9234	.5900	.9346	.7652
.7800	.9507	131.0	2379.3	9432.4	579.84	99.8	2031.3	.4786	.9255	.5896	.9345	.7622
.7900	.9534	129.7	2388.7	9425.0	579.79	98.4	2041.1	.4859	.9275	.5891	.9344	.7591
.8000	.9561	128.4	2398.0	9418.0	579.73	97.1	2051.1	.4933	.9294	.5888	.9343	.7560
.8100	.9587	127.2	2407.4	9410.9	579.68	95.7	2061.2	.5009	.9313	.5883	.9342	.7529
.8200	.9613	125.9	2416.7	9404.3	579.63	94.4	2071.4	.5085	.9330	.5878	.9341	.7497
.8300	.9639	124.8	2426.0	9398.9	579.57	93.1	2081.8	.5162	.9348	.5873	.9341	.7464
.8400	.9662	123.6	2435.4	9391.4	579.53	91.9	2092.4	.5241	.9364	.5870	.9340	.7431
.8500	.9686	122.4	2444.7	9384.0	579.47	90.6	2103.0	.5319	.9383	.5865	.9339	.7394
.8600	.9710	121.3	2454.1	9378.1	579.42	89.3	2113.8	.5400	.9412	.5861	.9338	.7365
.8700	.9733	120.2	2463.4	9370.4	579.36	88.1	2124.8	.5481	.9430	.5856	.9337	.7331
.8800	.9756	119.1	2472.8	9364.5	579.32	86.9	2135.9	.5563	.9448	.5853	.9337	.7296
.8900	.9778	118.0	2482.1	9357.8	579.27	85.7	2147.1	.5646	.9466	.5849	.9336	.7263
.9000	.9800	117.0	2491.4	9352.3	579.22	84.5	2158.5	.5731	.9484	.5845	.9335	.7227
.9100	.9822	116.0	2500.8	9346.1	579.18	83.4	2170.1	.5816	.9501	.5841	.9334	.7191
.9200	.9843	114.9	2510.1	9339.8	579.13	82.2	2181.8	.5902	.9518	.5837	.9334	.7154
.9300	.9864	114.0	2519.4	9333.6	579.08	81.1	2193.6	.5990	.9534	.5833	.9333	.7119
.9400	.9884	113.0	2528.8	9327.0	579.03	80.0	2205.6	.6079	.9551	.5829	.9332	.7082
.9500	.9904	112.0	2538.2	9320.3	578.98	78.9	2217.8	.6169	.9566	.5824	.9331	.7045
.9600	.9924	111.1	2547.5	9315.6	578.94	77.8	2230.1	.6260	.9584	.5821	.9331	.7007
.9700	.9943	110.1	2556.9	9309.0	578.89	76.8	2242.6	.6353	.9600	.5816	.9330	.6971
.9800	.9963	109.2	2566.2	9303.9	578.85	75.7	2255.4	.6447	.9616	.5813	.9329	.6933
.9900	.9981	108.3	2575.6	9297.3	578.80	74.7	2268.4	.6541	.9631	.5809	.9329	.6892
1.0000	1.0000	107.4	2584.9	9291.-	578.75	73.7	2281.6	.6636	.9646	.5804	.9328	.6854

TABLE 3. SATURATED CRITICAL STATE PROPERTIES

(P0 17000 KPA (TSAT 625.41 K))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
.0000	0.0000	565.1	1691.7	10791.0	589.76	351.6	1557.9	.0913	.5288	.6349	.9430	.6222
.0100	.0456	544.8	1700.3	10783.1	589.70	345.0	1562.2	.0949	.5377	.6343	.9429	.6332
.0200	.0890	525.9	1708.9	10776.2	589.65	338.5	1566.6	.0986	.5468	.6339	.9428	.6437
.0300	.1276	508.5	1717.5	10768.4	589.60	332.2	1571.0	.1022	.5558	.6334	.9427	.6536
.0400	.1647	491.7	1726.1	10759.9	589.54	326.1	1575.4	.1059	.5648	.6330	.9426	.6631
.0500	.1983	476.3	1734.7	10752.0	589.49	320.1	1579.8	.1096	.5738	.6325	.9426	.6721
.0600	.2319	461.9	1743.3	10742.9	589.42	314.3	1584.2	.1134	.5828	.6319	.9424	.6806
.0700	.2628	448.4	1751.9	10734.8	589.36	308.6	1588.6	.1171	.5917	.6314	.9423	.6887
.0800	.2918	435.1	1760.5	10727.0	589.31	303.1	1593.0	.1209	.6006	.6308	.9422	.6964
.0900	.3187	423.1	1769.1	10717.8	589.23	297.7	1597.4	.1248	.6095	.6302	.9421	.7039
.1000	.3445	411.6	1777.7	10701.8	589.14	292.4	1601.8	.1286	.6184	.6295	.9420	.7110
.1100	.3690	400.7	1786.3	10691.6	589.07	287.3	1606.2	.1325	.6317	.6289	.9419	.7171
.1200	.3921	390.4	1794.9	10679.8	588.98	282.3	1610.6	.1364	.6399	.6283	.9418	.7230
.1300	.4141	380.6	1803.5	10669.4	588.91	277.4	1615.1	.1403	.6478	.6276	.9416	.7291
.1400	.4351	371.5	1812.1	10658.2	588.83	272.6	1619.5	.1443	.6555	.6270	.9415	.7346
.1500	.4550	362.9	1820.7	10647.0	588.75	268.1	1623.9	.1482	.6630	.6263	.9414	.7399
.1600	.4740	353.9	1829.3	10636.4	588.68	263.6	1628.3	.1522	.6703	.6257	.9413	.7448
.1700	.4921	345.4	1837.9	10627.6	588.60	259.3	1632.8	.1563	.6775	.6250	.9411	.7494
.1800	.5094	337.4	1846.5	10618.4	588.52	255.1	1637.2	.1603	.6844	.6243	.9410	.7538
.1900	.5260	330.7	1855.1	10607.4	588.44	250.7	1641.6	.1644	.6912	.6237	.9409	.7580
.2000	.5418	323.6	1863.7	10590.6	588.36	246.6	1646.1	.1685	.6979	.6230	.9408	.7618
.2100	.5570	316.9	1872.3	10579.6	588.28	242.6	1650.6	.1727	.7043	.6223	.9406	.7655
.2200	.5716	310.4	1880.9	10567.7	588.20	238.6	1655.0	.1768	.7107	.6216	.9405	.7688
.2300	.5856	304.1	1889.5	10556.5	588.12	234.8	1659.5	.1810	.7168	.6210	.9404	.7720
.2400	.5990	298.2	1898.1	10545.3	588.04	231.1	1664.0	.1853	.7229	.6203	.9402	.7750
.2500	.6119	292.4	1906.7	10534.1	587.96	227.4	1668.5	.1895	.7288	.6197	.9401	.7777
.2600	.6244	286.9	1915.3	10523.3	587.88	223.8	1673.0	.1938	.7345	.6190	.9400	.7803
.2700	.6363	281.5	1923.9	10511.7	587.80	220.3	1677.5	.1981	.7401	.6183	.9399	.7826
.2800	.6478	276.4	1932.5	10501.3	587.73	216.9	1682.0	.2025	.7456	.6177	.9397	.7849
.2900	.6590	271.4	1941.1	10490.7	587.65	213.6	1686.5	.2068	.7510	.6170	.9396	.7868
.3000	.6697	266.7	1949.7	10478.5	587.57	210.3	1691.2	.2113	.7562	.6164	.9395	.7886
.3100	.6800	262.1	1958.3	10467.7	587.49	207.1	1695.8	.2157	.7613	.6157	.9394	.7903
.3200	.6900	257.6	1966.9	10457.1	587.41	204.0	1700.4	.2202	.7664	.6151	.9392	.7918
.3300	.6997	253.3	1975.5	10446.1	587.34	200.9	1705.0	.2247	.7713	.6144	.9391	.7931
.3400	.7090	249.1	1984.1	10432.4	587.24	197.8	1709.6	.2292	.7761	.6137	.9390	.7941
.3500	.7181	245.1	1992.7	10425.4	587.19	194.9	1714.3	.2338	.7808	.6131	.9389	.7954
.3600	.7268	241.2	2001.3	10414.2	587.11	192.1	1718.9	.2384	.7854	.6125	.9388	.7963
.3700	.7353	237.4	2009.9	10403.8	587.03	189.3	1723.6	.2430	.7899	.6120	.9386	.7970
.3800	.7435	233.7	2018.5	10393.4	586.96	186.6	1728.3	.2477	.7943	.6114	.9385	.7977
.3900	.7515	230.2	2027.1	10383.4	586.89	183.9	1733.0	.2524	.7986	.6108	.9384	.7982
.4000	.7593	226.8	2035.7	10372.7	586.81	181.1	1737.6	.2572	.8028	.6102	.9383	.7985
.4100	.7668	223.4	2044.3	10363.1	586.74	178.5	1742.3	.2620	.8070	.6096	.9382	.7988
.4200	.7740	220.2	2052.8	10353.1	586.67	175.9	1747.0	.2668	.8110	.6090	.9381	.7990
.4300	.7811	217.0	2061.4	10343.2	586.60	173.4	1751.7	.2717	.8150	.6084	.9379	.7990
.4400	.7880	213.9	2070.0	10333.2	586.53	170.9	1756.4	.2766	.8189	.6078	.9378	.7989
.4500	.7947	211.0	2078.6	10324.5	586.47	168.5	1761.2	.2815	.8227	.6073	.9377	.7988
.4600	.8012	208.1	2087.2	10314.6	586.40	166.1	1765.9	.2865	.8265	.6067	.9376	.7985
.4700	.8075	205.2	2095.8	10305.4	586.33	163.8	1770.7	.2916	.8302	.6062	.9375	.7981
.4800	.8137	202.5	2104.4	10294.0	586.26	161.5	1775.4	.2966	.8338	.6056	.9374	.7974
.4900	.8197	199.8	2113.0	10286.1	586.19	159.3	1780.3	.3018	.8373	.6051	.9373	.7971
.5000	.8255	197.2	2121.6	10277.2	586.13	157.1	1785.1	.3069	.8408	.6045	.9372	.7964
.5100	.8312	194.7	2130.2	10268.1	586.06	154.9	1789.9	.3121	.8442	.6040	.9371	.7957
.5200	.8367	192.2	2138.8	10258.9	586.00	152.8	1794.8	.3174	.8475	.6035	.9370	.7948
.5300	.8421	189.8	2147.4	10249.0	585.92	150.7	1799.7	.3227	.8508	.6029	.9369	.7934
.5400	.8474	187.5	2156.0	10240.3	585.86	148.6	1804.5	.3280	.8541	.6024	.9368	.7924
.5500	.8525	185.2	2164.6	10232.0	585.80	146.6	1809.3	.3334	.8572	.6019	.9367	.7918
.5600	.8576	182.9	2173.2	10222.4	585.73	144.6	1814.2	.3388	.8604	.6013	.9366	.7906
.5700	.8625	180.8	2181.8	10214.1	585.67	142.7	1819.2	.3443	.8634	.6008	.9365	.7893
.5800	.8672	178.6	2190.4	10205.4	585.61	140.8	1824.2	.3499	.8664	.6003	.9364	.7880
.5900	.8719	176.5	2199.0	10196.7	585.55	138.9	1829.4	.3555	.8694	.5998	.9363	.7864
.6000	.8765	174.5	2207.6	10189.2	585.49	137.0	1834.6	.3611	.8723	.5994	.9362	.7852
.6100	.8809	172.5	2216.2	10180.9	585.43	135.2	1839.9	.3668	.8751	.5989	.9361	.7837
.6200	.8853	170.4	2224.8	10171.8	585.37	133.4	1845.2	.3725	.8779	.5983	.9360	.7820
.6300	.8896	168.7	2233.4	10163.5	585.31	131.6	1850.6	.3783	.8807	.5979	.9359	.7804
.6400	.8937	166.8	2242.0	10155.6	585.25	129.9	1856.2	.3842	.8834	.5974	.9358	.7787
.6500	.8978	165.0	2250.6	10147.7	585.19	128.2	1861.8	.3901	.8860	.5969	.9357	.7769
.6600	.9018	163.2	2259.2	10139.4	585.13	126.5	1867.4	.3961	.8887	.5964	.9356	.7750
.6700	.9057	161.5	2267.8	10131.5	585.07	124.8	1873.2	.4021	.8912	.5960	.9355	.7733
.6800	.9095	159.8	2276.4	10124.0	585.02	123.2	1879.0	.4082	.8938	.5955	.9354	.7717
.6900	.9133	158.1	2285.0	10116.2	584.96	121.6	1884.9	.4144	.8963	.5951	.9353	.7701
.7000	.9169	156.5	2293.6	10109.5	584.91	120.0	1890.8	.4206	.8987	.5947	.9352	.7671
.7100	.9205	154.9	2302.2	10100.8	584.85	118.5	1896.8	.4268	.9011	.5942	.9351	.7649
.7200	.9240	153.3	2310.8	10093.3	584.79	116.9	1902.9	.4332	.9035	.5937	.9351	.7629
.7300	.9275	151.8	2319.4	10086.3	584.74	115.4	1909.0	.4396	.9058	.5933	.9350	.7606
.7400	.9309	150.3	2328.0	10079.6	584.69	114.0	1915.2	.4461	.9081	.5929	.9349	.7583
.7500	.9342	148.8	2336.6	10071.3	584.63	112.5	1921.5	.4526	.9104	.5924	.9348	.7559
.7600	.9374	147.3	2345.2	10064.3	584.58	111.0	1927.9	.4592	.9126	.5920	.9347	.7535
.7700	.9406	145.9	2353.8	10058.1	584.54	109.6	1934.4	.4659	.9148	.5916	.9346	.7512
.7800	.9439	144.5	2362.4	10050.2	584.48	108.2	1941.0	.4726	.9170	.5912	.9345	.7487
.7900	.9468	143.2	2371.0	10043.9	584.43	106.8	1947.7	.4794	.9191	.5908	.9345	.7462
.8000	.9498	141.8	2379.6	10035.6	584.37	105.5	1954.5	.4863	.9212	.5903	.9344	.7436
.8100	.9528	140.5	2388.2	10029.4	584.33	104.1	1961.4	.4933	.9233	.5900	.9343	.7411
.8200	.9557	139.2	2396.8	10022.4	584.28	102.8	1968.4	.5003	.9253	.5896	.9342	.7384
.8300	.9586	138.0	2405.4	10016.6	584.23	101.5	1975.5	.5074	.9273	.5892	.9342	.7359
.8400	.9613	136.7	2414.0	10009.9	584.18	100.2	1982.7	.5146	.9293	.5888	.9341	.7331
.8500	.9640	135.5	2422.6	10003.3	584.13	98.9	1990.0	.5219	.9313	.5884	.9340	.7303
.8600	.9667	134.3	2431.2	9996.6	584.09	97.7	1997.4	.5292	.9332	.5880	.9339	.7275
.8700	.9694	133.1	2439.8	9989.2	584.03	96.5	2004.9	.5367	.9351	.5876	.9338	.7245
.8800	.9720	131.9	2448.4	9982.9	583.99	95.3	2012.5	.5442	.9370	.5872	.9338	.7218
.8900	.9745	130.8	2457.0	9977.5	583.95	94.0	2020.0	.5518	.9388	.5869	.9337	.7189
.9000	.9771	129.7	2465.6	9970.1	583.89	92.8	2027.8	.5595	.9406	.5865	.9336	.7159
.9100	.9795	128.6	2474.2	9963.8	583.84	91.7	2035.6	.5673	.9424	.5861	.9335	.7130
.9200	.9819	127.5	2482.8	9957.6	583.80	90.5	2043.5	.5751	.9442	.5857	.9335	.7100
.9300	.9843	126.4	2491.4	9952.6	583.76	89.4	2051.5	.5831	.9459	.5854	.9334	.7070
.9400	.9867	125.4	2500.0	9945.8	583.71	88.3	2059.5	.5911	.9477	.5850	.9333	.7039
.9500	.9890	124.4	2508.6	9939.4	583.66	87.1	2067.8	.5993	.9494	.5847	.9332	.7008
.9600	.9913	123.4	2517.2	9934.4	583.63	86.1	2076.0	.6076	.9510	.5843	.9332	.6977
.9700	.9935	122.4	2525.8	9928.6	583.59	85.0	2084.3	.6159	.9527	.5840	.9331	.6944
.9800	.9957	121.4	2534.4	9921.5	583.53	83.9	2092.6	.6244	.9543	.5836	.9330	.6911
.9900	.9979	120.4	2543.0	9918.7	583.49	82.8	2101.0	.6329	.9559	.5833	.9330	.6881
1.0000	1.0000	119.5	2551.6	9911.1	583.45	81.8	2109.4	.6416	.9575	.5830	.9329	.6849

TABLE 5. SATURATED CRITICAL STATE PROPERTIES

(PC 18000 KPA (TSAT 630.11 K))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
0.0000	0.0000	543.5	1734.8	11370.6	593.79	339.2	1905.6	.1046	.5435	.6322	.9423	.6741
.0100	.0395	527.3	1742.6	11373.0	593.71	333.6	1919.7	.1081	.5529	.6318	.9422	.6727
.0200	.0768	511.0	1750.4	11366.6	593.66	328.1	1933.8	.1116	.5620	.6314	.9422	.6713
.0300	.1122	497.6	1758.2	11358.1	593.61	322.8	1947.9	.1152	.5710	.6310	.9424	.6697
.0400	.1462	484.0	1766.0	11350.3	593.56	317.6	1962.1	.1188	.5799	.6306	.9420	.6681
.0500	.1766	471.1	1773.8	11341.8	593.50	312.4	1976.3	.1224	.5883	.6301	.9419	.6663
.0600	.2064	458.8	1781.6	11332.2	593.44	307.4	1990.4	.1260	.5967	.6296	.9418	.6700
.0700	.2347	447.2	1789.4	11323.8	593.38	302.6	2004.7	.1297	.6048	.6291	.9417	.6765
.0800	.2616	436.0	1797.1	11313.3	593.31	298.0	2018.9	.1333	.6129	.6288	.9416	.6829
.0900	.2885	425.4	1804.9	11304.6	593.26	293.1	2033.2	.1370	.6206	.6281	.9415	.6889
.1000	.3117	415.7	1812.7	11298.0	593.19	288.8	2047.5	.1407	.6282	.6275	.9414	.6941
.1100	.3350	406.1	1820.5	11285.4	593.13	284.1	2061.8	.1445	.6356	.6270	.9413	.6994
.1200	.3577	397.0	1828.3	11276.3	593.06	279.7	2076.2	.1483	.6429	.6264	.9411	.7047
.1300	.3798	388.1	1836.1	11264.1	592.98	275.4	2090.6	.1521	.6501	.6258	.9410	.7098
.1400	.4008	379.8	1843.9	11249.3	592.92	271.2	2105.0	.1559	.6570	.6253	.9410	.7139
.1500	.4193	371.9	1851.7	11244.3	592.85	267.1	2119.4	.1597	.6638	.6247	.9408	.7182
.1600	.4370	364.3	1859.5	11233.7	592.78	263.1	2133.9	.1636	.6704	.6241	.9408	.7223
.1700	.4549	356.9	1867.3	11223.6	592.71	259.2	2148.4	.1674	.6769	.6235	.9407	.7262
.1800	.4727	349.9	1875.1	11214.0	592.65	255.4	2162.9	.1713	.6833	.6230	.9405	.7299
.1900	.4887	343.1	1882.8	11202.5	592.59	251.6	2177.5	.1753	.6895	.6224	.9404	.7334
.2000	.5047	336.5	1890.6	11192.9	592.50	247.9	2192.1	.1792	.6956	.6218	.9403	.7367
.2100	.5200	330.2	1898.4	11182.3	592.43	244.3	2206.8	.1832	.7015	.6212	.9402	.7399
.2200	.5348	324.3	1906.2	11171.6	592.36	240.8	2221.4	.1873	.7074	.6206	.9401	.7428
.2300	.5490	318.4	1914.0	11160.8	592.29	237.3	2236.1	.1912	.7131	.6200	.9400	.7455
.2400	.5625	312.7	1921.8	11150.0	592.22	234.0	2250.9	.1953	.7187	.6195	.9399	.7481
.2500	.5760	307.3	1929.6	11141.0	592.18	230.6	2265.7	.1994	.7241	.6189	.9398	.7506
.2600	.5888	302.0	1937.4	11127.6	592.09	227.4	2280.5	.2035	.7295	.6183	.9396	.7528
.2700	.6013	296.9	1945.2	11119.9	592.01	224.2	2295.4	.2076	.7348	.6177	.9395	.7550
.2800	.6134	292.0	1953.0	11108.9	591.94	221.1	2310.3	.2118	.7399	.6172	.9394	.7569
.2900	.6253	287.3	1960.7	11099.7	591.87	218.0	2325.3	.2160	.7449	.6169	.9393	.7588
.3000	.6359	282.7	1968.5	11088.7	591.80	215.0	2340.2	.2202	.7499	.6160	.9392	.7606
.3100	.6468	278.3	1976.3	11079.5	591.74	212.0	2355.3	.2244	.7547	.6155	.9391	.7621
.3200	.6573	273.9	1984.1	11068.5	591.66	209.1	2370.3	.2287	.7594	.6149	.9390	.7634
.3300	.6675	269.7	1991.9	11059.3	591.60	206.3	2385.4	.2330	.7641	.6144	.9388	.7648
.3400	.6774	265.7	1999.7	11047.9	591.52	203.5	2400.6	.2373	.7687	.6138	.9388	.7659
.3500	.6869	261.8	2007.5	11039.1	591.46	200.8	2415.8	.2417	.7731	.6133	.9387	.7670
.3600	.6963	258.0	2015.3	11028.5	591.39	198.1	2431.0	.2460	.7775	.6127	.9386	.7679
.3700	.7053	254.3	2023.1	11019.7	591.33	195.5	2446.4	.2505	.7819	.6122	.9385	.7688
.3800	.7141	250.8	2030.9	11009.6	591.26	192.9	2461.7	.2549	.7860	.6115	.9384	.7695
.3900	.7226	247.3	2038.7	10999.5	591.19	190.3	2477.1	.2594	.7902	.6111	.9382	.7701
.4000	.7309	243.7	2046.4	10990.7	591.13	187.8	2492.5	.2639	.7942	.6106	.9381	.7706
.4100	.7390	240.4	2054.2	10980.2	591.06	185.4	2508.0	.2684	.7982	.6100	.9380	.7710
.4200	.7468	237.2	2062.0	10970.9	591.00	182.9	2523.5	.2730	.8021	.6095	.9378	.7713
.4300	.7546	234.0	2069.8	10961.3	590.93	180.6	2539.0	.2776	.8060	.6090	.9378	.7715
.4400	.7620	231.0	2077.6	10952.1	590.87	178.2	2554.7	.2823	.8098	.6084	.9377	.7717
.4500	.7693	228.0	2085.4	10942.8	590.80	176.0	2570.3	.2869	.8139	.6079	.9376	.7717
.4600	.7764	225.1	2093.2	10933.6	590.74	173.7	2586.1	.2916	.8171	.6074	.9375	.7717
.4700	.7833	222.3	2101.0	10924.2	590.68	171.5	2602.0	.2964	.8209	.6070	.9374	.7716
.4800	.7900	219.5	2108.8	10915.6	590.62	169.3	2617.7	.3012	.8245	.6064	.9373	.7713
.4900	.7964	216.8	2116.6	10906.8	590.56	167.2	2633.5	.3060	.8277	.6059	.9372	.7710
.5000	.8030	214.2	2124.4	10897.6	590.49	165.1	2649.5	.3109	.8311	.6054	.9371	.7706
.5100	.8092	211.6	2132.1	10888.8	590.43	163.0	2665.5	.3157	.8344	.6049	.9370	.7702
.5200	.8153	209.1	2139.9	10880.0	590.38	161.0	2681.6	.3206	.8377	.6045	.9369	.7697
.5300	.8213	206.7	2147.7	10870.3	590.31	159.0	2697.6	.3256	.8409	.6040	.9369	.7691
.5400	.8269	204.3	2155.5	10863.0	590.27	157.1	2713.8	.3307	.8440	.6039	.9368	.7684
.5500	.8324	202.0	2163.3	10855.4	590.20	155.0	2730.0	.3357	.8472	.6031	.9367	.7677
.5600	.8184	199.7	2171.1	10845.7	590.14	153.1	2746.2	.3407	.8503	.6025	.9366	.7669
.5700	.8238	197.4	2178.9	10837.4	590.08	151.2	2762.5	.3459	.8533	.6021	.9365	.7660
.5800	.8291	195.3	2186.7	10829.7	590.02	149.4	2778.9	.3510	.8563	.6016	.9364	.7651
.5900	.8343	193.1	2194.5	10821.5	589.97	147.6	2795.4	.3562	.8592	.6012	.9363	.7641
.6000	.8394	191.0	2202.3	10813.7	589.91	145.8	2811.9	.3615	.8621	.6007	.9362	.7630
.6100	.8444	189.0	2210.1	10805.3	589.86	144.0	2828.5	.3668	.8649	.6003	.9361	.7619
.6200	.8493	187.0	2217.8	10796.4	589.80	142.2	2845.1	.3721	.8677	.5998	.9360	.7607
.6300	.8540	185.0	2225.6	10788.5	589.75	140.5	2861.8	.3775	.8704	.5994	.9359	.7595
.6400	.8587	183.1	2233.4	10780.7	589.69	138.8	2878.6	.3829	.8731	.5989	.9358	.7582
.6500	.8633	181.2	2241.2	10772.8	589.63	137.2	2895.3	.3884	.8758	.5985	.9358	.7569
.6600	.8678	179.4	2249.0	10765.3	589.58	135.5	2912.2	.3939	.8784	.5981	.9357	.7555
.6700	.8721	177.6	2256.8	10757.4	589.52	133.9	2929.1	.3995	.8810	.5976	.9356	.7540
.6800	.8764	175.8	2264.6	10750.8	589.48	132.3	2946.2	.4051	.8835	.5973	.9355	.7526
.6900	.8805	174.1	2272.4	10742.0	589.42	130.7	2963.3	.4108	.8860	.5968	.9354	.7510
.7000	.8846	172.4	2280.2	10734.5	589.36	129.2	2980.3	.4165	.8885	.5964	.9353	.7494
.7100	.8886	170.7	2288.0	10727.1	589.31	127.7	2997.7	.4223	.8909	.5959	.9353	.7477
.7200	.8925	169.1	2295.8	10720.0	589.26	126.2	3015.0	.4281	.8933	.5955	.9352	.7461
.7300	.8964	167.5	2303.5	10711.5	589.21	124.7	3032.3	.4340	.8957	.5951	.9351	.7443
.7400	.9004	165.9	2311.3	10705.1	589.16	123.2	3049.8	.4399	.8980	.5947	.9350	.7425
.7500	.9044	164.4	2319.1	10698.0	589.11	121.8	3067.3	.4459	.9003	.5943	.9349	.7407
.7600	.9084	162.9	2326.9	10691.9	589.07	120.3	3084.9	.4519	.9026	.5940	.9349	.7389
.7700	.9124	161.4	2334.7	10684.9	589.02	118.9	3102.6	.4580	.9049	.5935	.9348	.7370
.7800	.9163	159.9	2342.5	10677.8	588.97	117.6	3120.4	.4641	.9073	.5933	.9347	.7350
.7900	.9203	158.5	2350.3	10670.8	588.92	116.2	3138.2	.4703	.9091	.5928	.9346	.7331
.8000	.9242	157.1	2358.1	10662.9	588.89	114.8	3156.1	.4766	.9113	.5924	.9345	.7310
.8100	.9281	155.7	2365.9	10656.3	588.82	113.5	3174.1	.4829	.9134	.5920	.9345	.7289
.8200	.9320	154.3	2373.7	10648.8	588.77	112.2	3192.2	.4893	.9155	.5916	.9344	.7269
.8300	.9359	153.0	2381.4	10643.6	588.73	110.9	3210.4	.4957	.9175	.5913	.9343	.7247
.8400	.9398	151.7	2389.2	10635.1	588.68	109.6	3228.6	.5022	.9195	.5909	.9343	.7225
.8500	.9437	150.4	2397.0	10630.4	588.64	108.3	3246.9	.5088	.9215	.5906	.9342	.7203
.8600	.9476	149.1	2404.8	10622.9	588.58	107.1	3265.3	.5154	.9235	.5902	.9341	.7181
.8700	.9515	147.9	2412.6	10617.2	588.54	105.9	3283.9	.5221	.9254	.5898	.9340	.7159
.8800	.9554	146.7	2420.4	10609.7	588.49	104.6	3302.4	.5289	.9273	.5894	.9340	.7136
.8900	.9594	145.6	2428.2	10603.1	588.45	103.4	3321.1	.5357	.9292	.5891	.9339	.7111
.9000	.9633	144.3	2436.0	10599.0	588.40	102.2	3339.9	.5426	.9311	.5887	.9338	.7087
.9100	.9743	143.1	2443.8	10590.8	588.36	101.1	3358.8	.5495	.9329	.5884	.9337	.7061
.9200	.9791	141.9	2451.6	10584.5	588.32	99.9	3377.8	.5565	.9347	.5881	.9337	.7033
.9300	.9819	140.8	2459.4	10579.4	588.28	98.8	3396.9	.5635	.9365	.5876	.9336	.7002
.9400	.9845	139.7	2467.1	10573.2	588.24	97.6	3416.1	.5709	.9383	.5874	.9335	.6970
.9500	.9872	138.6	2474.9	10567.1	588.19	96.5	3435.4	.5783	.9400	.5871	.9335	.6934
.9600	.9899	137.5	2482.7	10560.1	588.14	95.4	3454.7	.5855	.9417	.5867	.9334	.6938
.9700	.9925	136.5	2490.5	10554.3	588.10	94.3	3474.2	.5939	.9435	.5864	.9333	.6913
.9800	.9950	135.4	2498.3	10548.2	588.05	93.3	3493.8	.6009	.9451	.5860	.9333	.6884
.9900	.9975	134.4	2506.1	10543.4	588.03	92.2	3513.5	.6088	.9468	.5857	.9332	.6861
1.0000	1.0000	133.4	2513.9	10536.3	587.98	91.1	3533.3	.6155	.9484	.5854	.9331	.6833

TABLE 5. SATURATED CRITICAL STATE PROPERTIES

(PO 19000 KPA (TSAT 634.58 K))

XO	AO	RO KG/M3	HO KJ/KG	PP KPA	TP K	RP KG/M3	HP KJ/KG	XP	AP	PR	TR	RR
0.0000	0.0000	519.2	1778.7	11965.9	597.59	326.8	1634.1	.1199	.5613	.6298	.9417	.6293
.0100	.0338	506.7	1795.6	11960.4	597.54	322.1	1637.9	.1232	.5692	.6295	.9416	.6355
.0200	.0681	494.4	1812.5	11954.9	597.48	317.5	1641.7	.1265	.5771	.6290	.9415	.6418
.0300	.0968	483.4	1826.4	11950.4	597.44	313.9	1644.6	.1299	.5844	.6287	.9414	.6477
.0400	.1268	472.6	1840.3	11936.0	597.39	308.9	1649.4	.1334	.5922	.6282	.9414	.6532
.0500	.1549	462.2	1853.3	11927.4	597.33	304.4	1653.2	.1368	.5996	.6278	.9413	.6586
.0600	.1812	452.3	1865.2	11919.5	597.28	300.2	1657.1	.1403	.6068	.6273	.9412	.6637
.0700	.2070	442.6	1877.1	11911.6	597.23	296.0	1660.9	.1437	.6139	.6269	.9411	.6687
.0800	.2310	433.6	1888.0	11904.9	597.18	292.0	1664.0	.1471	.6208	.6265	.9411	.6734
.0900	.2543	424.9	1898.9	11898.2	597.12	288.0	1668.9	.1507	.6275	.6260	.9410	.6779
.1000	.2781	416.5	1909.8	11884.9	597.06	284.1	1672.9	.1543	.6342	.6255	.9409	.6822
.1100	.3000	408.4	1854.8	11876.4	597.00	280.3	1676.9	.1578	.6407	.6251	.9408	.6864
.1200	.3210	400.6	1865.7	11869.6	596.94	276.6	1681.0	.1614	.6471	.6246	.9407	.6904
.1300	.3413	393.0	1876.6	11858.1	596.89	272.9	1685.0	.1650	.6534	.6241	.9406	.6943
.1400	.3608	385.8	1887.5	11848.5	596.82	269.3	1689.1	.1686	.6595	.6236	.9405	.6979
.1500	.3796	378.8	1897.4	11839.5	596.76	265.7	1693.2	.1722	.6656	.6231	.9404	.7012
.1600	.3977	372.3	1889.4	11830.0	596.70	262.2	1697.3	.1759	.6715	.6226	.9403	.7045
.1700	.4155	365.8	1900.3	11820.0	596.64	258.8	1701.4	.1796	.6773	.6221	.9402	.7076
.1800	.4328	359.6	1910.1	11810.5	596.58	255.5	1705.6	.1833	.6829	.6217	.9401	.7106
.1900	.4495	353.5	1919.9	11802.0	596.52	252.2	1709.8	.1870	.6885	.6212	.9400	.7134
.2000	.4643	347.7	1917.0	11792.9	596.46	249.0	1714.1	.1907	.6940	.6207	.9399	.7161
.2100	.4796	342.0	1924.0	11783.9	596.41	245.8	1718.4	.1944	.6993	.6202	.9398	.7187
.2200	.4944	336.5	1931.0	11774.6	596.35	242.7	1722.7	.1982	.7046	.6197	.9397	.7211
.2300	.5087	331.1	1937.8	11765.3	596.29	239.6	1727.0	.2020	.7098	.6193	.9397	.7234
.2400	.5226	326.1	1944.7	11756.3	596.23	236.6	1731.4	.2059	.7149	.6187	.9396	.7256
.2500	.5361	321.1	1951.6	11746.0	596.16	233.7	1735.7	.2096	.7199	.6182	.9395	.7276
.2600	.5492	316.3	1958.6	11736.8	596.10	230.8	1740.1	.2135	.7248	.6177	.9394	.7295
.2700	.5618	311.6	1965.5	11727.4	596.04	227.9	1744.6	.2174	.7296	.6172	.9393	.7313
.2800	.5742	307.1	1972.5	11718.0	595.98	225.1	1749.1	.2213	.7343	.6168	.9392	.7331
.2900	.5861	302.7	1979.3	11709.4	595.92	222.4	1753.6	.2252	.7389	.6163	.9391	.7346
.3000	.5977	298.4	1986.2	11699.7	595.86	219.6	1758.1	.2291	.7435	.6158	.9390	.7361
.3100	.6090	294.2	1993.2	11690.4	595.80	217.0	1762.7	.2331	.7480	.6153	.9389	.7375
.3200	.6200	290.1	2000.0	11681.0	595.75	214.4	1767.3	.2371	.7523	.6148	.9388	.7388
.3300	.6307	286.2	2007.0	11671.8	595.68	211.8	1772.0	.2411	.7567	.6143	.9387	.7399
.3400	.6411	282.4	2013.9	11660.2	595.62	209.3	1776.7	.2452	.7609	.6138	.9386	.7410
.3500	.6512	278.6	2020.4	11653.7	595.56	206.9	1781.4	.2492	.7651	.6134	.9385	.7420
.3600	.6610	275.0	2027.8	11645.8	595.51	204.5	1786.1	.2533	.7692	.6129	.9384	.7430
.3700	.6706	271.4	2034.7	11636.4	595.45	202.1	1790.9	.2574	.7733	.6124	.9383	.7437
.3800	.6800	268.0	2041.7	11626.9	595.38	199.8	1795.7	.2616	.7772	.6119	.9382	.7444
.3900	.6891	264.6	2048.6	11617.5	595.33	197.5	1800.6	.2657	.7811	.6115	.9382	.7451
.4000	.6980	261.3	2055.4	11611.5	595.28	194.0	1805.6	.2699	.7849	.6111	.9381	.7458
.4100	.7067	258.1	2062.4	11600.4	595.21	192.6	1810.4	.2741	.7887	.6105	.9380	.7461
.4200	.7151	255.0	2069.3	11591.0	595.16	190.4	1815.4	.2784	.7924	.6101	.9379	.7469
.4300	.7234	252.0	2076.1	11583.7	595.10	188.2	1820.4	.2826	.7961	.6099	.9378	.7469
.4400	.7315	249.0	2083.0	11574.4	595.04	186.0	1825.5	.2869	.7994	.6097	.9377	.7471
.4500	.7394	246.1	2090.0	11566.3	594.99	183.9	1830.6	.2913	.8032	.6088	.9376	.7473
.4600	.7471	243.2	2097.0	11557.3	594.93	181.8	1835.7	.2956	.8067	.6083	.9375	.7474
.4700	.7546	240.4	2103.9	11549.9	594.87	179.7	1840.9	.3000	.8101	.6078	.9374	.7475
.4800	.7619	237.7	2110.7	11540.6	594.82	177.7	1846.1	.3044	.8138	.6074	.9373	.7474
.4900	.7691	235.1	2117.7	11532.2	594.76	175.7	1851.3	.3088	.8168	.6070	.9373	.7474
.5000	.7761	232.3	2124.6	11526.2	594.72	173.7	1856.7	.3133	.8200	.6066	.9372	.7473
.5100	.7830	229.9	2131.6	11515.0	594.65	171.7	1861.9	.3178	.8233	.6061	.9371	.7470
.5200	.7897	227.4	2138.5	11506.2	594.60	169.8	1867.3	.3223	.8265	.6059	.9370	.7468
.5300	.7963	225.0	2145.4	11500.2	594.54	168.0	1872.8	.3269	.8296	.6055	.9369	.7464
.5400	.8028	222.5	2152.3	11491.4	594.49	166.1	1878.2	.3315	.8327	.6049	.9368	.7460
.5500	.8091	220.3	2159.2	11483.7	594.44	164.2	1883.7	.3361	.8357	.6044	.9368	.7456
.5600	.8152	218.0	2166.2	11475.1	594.39	162.4	1889.3	.3407	.8387	.6040	.9367	.7450
.5700	.8213	215.8	2173.1	11466.4	594.33	160.6	1894.9	.3454	.8416	.6035	.9366	.7444
.5800	.8272	213.6	2180.0	11459.4	594.28	158.8	1900.5	.3501	.8445	.6031	.9365	.7439
.5900	.8330	211.4	2186.9	11452.2	594.24	157.1	1906.2	.3549	.8474	.6027	.9364	.7431
.6000	.8387	209.3	2193.8	11444.1	594.18	155.4	1912.0	.3597	.8502	.6023	.9363	.7425
.6100	.8443	207.3	2200.8	11436.2	594.13	153.7	1917.8	.3645	.8529	.6019	.9363	.7417
.6200	.8498	205.3	2207.7	11429.0	594.08	152.1	1923.6	.3694	.8557	.6016	.9362	.7410
.6300	.8551	203.3	2214.6	11420.9	594.03	150.4	1929.5	.3742	.8584	.6011	.9361	.7400
.6400	.8604	201.3	2221.5	11413.0	593.98	148.8	1935.4	.3791	.8610	.6007	.9360	.7391
.6500	.8656	199.4	2228.4	11406.0	593.93	147.2	1941.4	.3841	.8636	.6003	.9360	.7380
.6600	.8706	197.5	2235.4	11398.9	593.88	145.6	1947.4	.3891	.8662	.5999	.9359	.7372
.6700	.8756	195.7	2242.3	11390.8	593.83	144.1	1953.5	.3941	.8686	.5995	.9358	.7361
.6800	.8805	193.9	2249.2	11381.7	593.78	142.5	1959.7	.3992	.8713	.5991	.9357	.7348
.6900	.8853	192.1	2256.1	11377.7	593.74	141.0	1965.9	.4043	.8738	.5988	.9356	.7340
.7000	.8900	190.4	2263.0	11369.4	593.69	139.5	1972.1	.4095	.8762	.5984	.9356	.7327
.7100	.8946	188.7	2270.0	11362.4	593.64	138.0	1978.4	.4147	.8785	.5980	.9355	.7315
.7200	.8991	187.0	2276.9	11355.5	593.59	136.6	1984.8	.4199	.8810	.5977	.9354	.7303
.7300	.9036	185.4	2283.8	11348.0	593.54	135.1	1991.2	.4251	.8833	.5973	.9353	.7290
.7400	.9080	183.8	2290.7	11340.6	593.49	133.7	1997.6	.4304	.8857	.5969	.9353	.7276
.7500	.9123	182.2	2297.6	11334.1	593.45	132.3	2004.1	.4358	.8879	.5965	.9352	.7263
.7600	.9165	180.6	2304.6	11328.1	593.41	130.9	2010.7	.4412	.8902	.5962	.9351	.7249
.7700	.9207	179.1	2311.5	11320.4	593.36	129.5	2017.3	.4466	.8924	.5958	.9350	.7235
.7800	.9248	177.6	2318.4	11314.4	593.32	128.2	2024.0	.4521	.8946	.5955	.9350	.7220
.7900	.9288	176.1	2325.3	11307.2	593.27	126.9	2030.8	.4576	.8963	.5951	.9349	.7205
.8000	.9327	174.6	2332.2	11299.8	593.22	125.5	2037.6	.4632	.8989	.5947	.9348	.7189
.8100	.9366	173.2	2339.2	11293.8	593.18	124.2	2044.5	.4688	.9010	.5944	.9347	.7174
.8200	.9405	171.8	2346.1	11287.3	593.14	122.9	2051.4	.4745	.9031	.5941	.9347	.7158
.8300	.9442	170.4	2353.0	11280.5	593.09	121.7	2058.4	.4802	.9052	.5937	.9346	.7141
.8400	.9479	169.0	2359.9	11273.6	593.04	120.4	2065.5	.4859	.9073	.5934	.9345	.7125
.8500	.9516	167.7	2366.8	11267.3	593.00	119.2	2072.6	.4917	.9092	.5930	.9344	.7108
.8600	.9552	166.3	2373.7	11261.3	592.96	117.9	2079.8	.4976	.9112	.5927	.9344	.7090
.8700	.9587	165.0	2380.6	11254.8	592.91	116.7	2087.0	.5034	.9131	.5924	.9343	.7073
.8800	.9622	163.7	2387.6	11248.0	592.86	115.5	2094.3	.5094	.9151	.5920	.9343	.7055
.8900	.9656	162.5	2394.5	11243.8	592.84	114.3	2101.8	.5154	.9170	.5917	.9342	.7037
.9000	.9689	161.2	2401.4	11239.8	592.79	113.2	2109.2	.5214	.9189	.5914	.9341	.7018
.9100	.9722	160.0	2408.3	11229.3	592.75	112.0	2116.7	.5275	.9208	.5910	.9341	.6999
.9200	.9755	158.8	2415.3	11222.7	592.70	110.9	2124.4	.5337	.9226	.5906	.9340	.6981
.9300	.9788	157.6	2422.2	11215.2	592.65	109.7	2132.0	.5399	.9244	.5904	.9340	.6961
.9400	.9819	156.4	2429.1	11209.6	592.64	108.6	2139.8	.5462	.9262	.5901	.9339	.6943
.9500	.9850	155.3	2436.0	11205.6	592.59	107.5	2147.6	.5524	.9280	.5898	.9338	.6922
.9600	.9881	154.1	2442.9	11200.5	592.56	106.4	2155.5	.5588	.9298	.5895	.9338	.6902
.9700	.9912	153.0	2449.9	11193.0	592.53	105.3	2163.5	.5652	.9315	.5891	.9337	.6881
.9800	.9941	151.9	2456.8	11188.0	592.49	104.2	2171.5	.5717	.9333	.5888	.9336	.6860
.9900	.9971	150.8	2463.7	11182.9	592.44	103.2	2179.6	.5783	.9349	.5885	.9336	.6840
1.0000	1.0000	149.8	2470.6	11177.3	592.45	102.1	2187.8	.5849	.9366	.5883	.9335	.6819

TABLE SATURATED CRITICAL STATE PROPERTIES

(PO 20000 KPA (TSAT 634.85 K))

XO	AO	RO KG/M3	HO KJ/KG	PO KPA	TO K	RO KG/M3	HO KJ/KG	YO	AO	PO	TO	RO
0.0000	0.0000	490.9	1826.9	12543.7	601.20	312.2	1675.6	.1391	.5838	.6272	.9411	.6359
.0100	.0283	481.8	1832.4	12537.0	601.16	308.5	1679.0	.1427	.5903	.6268	.9410	.6403
.0200	.0566	472.1	1838.3	12530.3	601.12	304.9	1682.4	.1463	.5966	.6265	.9409	.6445
.0300	.0849	464.6	1844.2	12523.4	601.08	301.3	1686.3	.1494	.6029	.6262	.9408	.6484
.0400	.1093	456.5	1850.1	12514.7	601.03	297.8	1689.3	.1527	.6090	.6258	.9408	.6524
.0500	.1318	448.5	1856.1	12508.3	600.99	294.4	1692.7	.1557	.6151	.6254	.9407	.6562
.0600	.1555	441.0	1862.0	12502.5	600.94	291.0	1696.2	.1579	.6210	.6250	.9407	.6598
.0700	.1791	433.9	1868.0	12494.1	600.90	287.7	1699.7	.1611	.6268	.6247	.9406	.6634
.0800	.2030	426.6	1873.8	12486.5	600.85	284.4	1703.2	.1643	.6325	.6243	.9405	.6667
.0900	.2270	419.7	1879.7	12478.5	600.80	281.2	1706.8	.1676	.6382	.6238	.9404	.6699
.1000	.2427	413.1	1885.7	12470.2	600.75	278.0	1710.3	.1708	.6438	.6235	.9404	.6730
.1100	.2624	406.6	1891.6	12462.4	600.70	274.9	1713.9	.1740	.6492	.6231	.9403	.6760
.1200	.2823	400.4	1897.6	12454.6	600.65	271.8	1717.5	.1773	.6546	.6227	.9402	.6789
.1300	.3012	394.3	1903.4	12446.8	600.61	268.8	1721.1	.1806	.6599	.6223	.9401	.6819
.1400	.3196	388.4	1909.3	12439.0	600.56	265.8	1724.7	.1839	.6650	.6220	.9401	.6843
.1500	.3374	382.7	1915.3	12431.2	600.51	263.9	1728.4	.1872	.6701	.6216	.9400	.6869
.1600	.3546	377.2	1921.2	12423.1	600.46	260.0	1732.1	.1906	.6752	.6212	.9399	.6893
.1700	.3714	371.8	1927.1	12414.6	600.41	257.1	1735.8	.1939	.6801	.6207	.9398	.6916
.1800	.3877	366.4	1933.0	12407.0	600.36	254.4	1739.5	.1973	.6849	.6203	.9397	.6939
.1900	.4036	361.5	1938.9	12399.4	600.31	251.6	1743.2	.2006	.6898	.6200	.9397	.6960
.2000	.4190	356.5	1944.8	12390.9	600.26	248.9	1747.0	.2040	.6945	.6195	.9396	.6980
.2100	.4340	351.7	1950.8	12382.3	600.21	246.2	1750.7	.2075	.6992	.6191	.9395	.7000
.2200	.4486	347.0	1956.7	12374.6	600.16	243.6	1754.4	.2109	.7037	.6187	.9394	.7019
.2300	.4629	342.4	1962.6	12366.9	600.11	241.0	1758.1	.2143	.7082	.6183	.9394	.7038
.2400	.4767	338.0	1968.5	12357.9	600.06	238.4	1761.8	.2178	.7127	.6179	.9393	.7055
.2500	.4902	333.7	1974.4	12349.6	600.00	236.0	1765.5	.2213	.7170	.6175	.9392	.7069
.2600	.5034	329.5	1980.4	12342.8	599.96	233.4	1770.0	.2246	.7213	.6171	.9391	.7084
.2700	.5162	325.3	1986.3	12333.7	599.90	230.9	1773.9	.2283	.7256	.6167	.9390	.7098
.2800	.5287	321.3	1992.2	12325.7	599.85	228.4	1777.8	.2318	.7297	.6163	.9390	.7112
.2900	.5409	317.4	1998.1	12317.4	599.80	226.1	1781.8	.2353	.7338	.6159	.9389	.7125
.3000	.5528	313.6	2004.0	12310.5	599.75	223.8	1785.8	.2389	.7378	.6155	.9388	.7137
.3100	.5645	309.9	2010.0	12302.2	599.71	221.5	1789.8	.2425	.7418	.6151	.9387	.7148
.3200	.5758	306.2	2015.9	12293.0	599.68	219.3	1793.8	.2461	.7456	.6146	.9386	.7158
.3300	.5869	302.7	2021.8	12285.6	599.60	217.0	1797.9	.2498	.7496	.6141	.9384	.7169
.3400	.5978	299.2	2027.7	12278.1	599.55	214.8	1802.0	.2533	.7534	.6135	.9383	.7178
.3500	.6084	295.8	2033.6	12269.4	599.50	212.6	1806.1	.2570	.7572	.6135	.9384	.7188
.3600	.6187	292.5	2039.6	12262.5	599.46	210.4	1810.3	.2607	.7609	.6131	.9383	.7195
.3700	.6288	289.2	2045.5	12254.0	599.41	208.3	1814.5	.2643	.7645	.6127	.9382	.7202
.3800	.6387	286.0	2051.4	12246.1	599.35	206.1	1818.6	.2681	.7681	.6123	.9382	.7208
.3900	.6484	282.9	2057.3	12238.3	599.30	204.1	1822.9	.2718	.7716	.6118	.9381	.7213
.4000	.6579	279.9	2063.3	12231.2	599.26	202.1	1827.1	.2755	.7781	.6116	.9380	.7220
.4100	.6672	276.9	2069.1	12222.7	599.21	200.1	1831.4	.2793	.7786	.6111	.9379	.7225
.4200	.6763	274.0	2075.0	12215.4	599.16	198.1	1835.7	.2831	.7820	.6104	.9379	.7230
.4300	.6852	271.1	2081.0	12207.5	599.11	196.1	1840.0	.2869	.7853	.6104	.9378	.7233
.4400	.6939	268.4	2086.9	12199.2	599.06	194.2	1844.4	.2907	.7885	.6100	.9377	.7236
.4500	.7024	265.6	2092.8	12192.9	599.02	192.3	1848.8	.2946	.7919	.6098	.9376	.7239
.4600	.7108	262.9	2098.7	12184.6	598.97	190.4	1853.2	.2984	.7951	.6092	.9376	.7241
.4700	.7190	260.3	2104.7	12177.2	598.92	188.5	1857.7	.3023	.7983	.6089	.9375	.7243
.4800	.7270	257.7	2110.6	12169.4	598.87	186.7	1862.1	.3062	.8014	.6089	.9374	.7244
.4900	.7349	255.2	2116.5	12161.4	598.82	184.9	1866.6	.3103	.8045	.6081	.9373	.7245
.5000	.7426	252.7	2122.4	12154.8	598.78	183.1	1871.2	.3141	.8075	.6079	.9373	.7244
.5100	.7502	250.3	2128.3	12148.4	598.74	181.3	1875.8	.3181	.8105	.6074	.9372	.7245
.5200	.7576	247.9	2134.3	12140.1	598.69	179.6	1880.4	.3221	.8135	.6070	.9371	.7244
.5300	.7649	245.6	2140.2	12133.7	598.65	177.9	1885.0	.3263	.8164	.6067	.9371	.7243
.5400	.7720	243.3	2146.1	12126.5	598.59	176.2	1889.7	.3303	.8193	.6063	.9370	.7241
.5500	.7791	241.0	2152.0	12119.2	598.55	174.5	1894.4	.3343	.8221	.6059	.9369	.7239
.5600	.7859	238.8	2157.9	12111.8	598.51	172.8	1899.1	.3384	.8249	.6056	.9368	.7237
.5700	.7927	236.7	2163.8	12104.0	598.46	171.2	1903.9	.3425	.8277	.6052	.9368	.7233
.5800	.7994	234.5	2169.7	12097.7	598.41	169.6	1908.6	.3465	.8304	.6048	.9367	.7230
.5900	.8059	232.4	2175.7	12089.9	598.37	168.0	1913.5	.3508	.8331	.6045	.9366	.7227
.6000	.8123	230.4	2181.6	12082.5	598.32	166.4	1918.3	.3550	.8358	.6041	.9366	.7223
.6100	.8186	228.4	2187.5	12078.1	598.29	164.8	1923.3	.3592	.8384	.6039	.9365	.7219
.6200	.8248	226.4	2193.4	12068.8	598.23	163.3	1928.2	.3634	.8410	.6034	.9364	.7213
.6300	.8309	224.4	2199.4	12060.2	598.18	161.8	1933.1	.3677	.8436	.6031	.9364	.7208
.6400	.8368	222.5	2205.3	12054.3	598.15	160.3	1938.1	.3720	.8461	.6029	.9363	.7202
.6500	.8427	220.6	2211.2	12048.3	598.10	158.8	1943.2	.3763	.8485	.6024	.9362	.7196
.6600	.8485	218.8	2217.1	12041.5	598.06	157.3	1948.2	.3806	.8511	.6021	.9361	.7190
.6700	.8542	216.9	2223.0	12034.7	598.02	155.8	1953.3	.3850	.8536	.6019	.9361	.7183
.6800	.8598	215.1	2228.9	12027.1	597.97	154.4	1958.5	.3894	.8560	.6014	.9360	.7175
.6900	.8653	213.4	2234.9	12019.0	597.94	153.0	1963.7	.3938	.8584	.6011	.9360	.7169
.7000	.8707	211.7	2240.8	12015.6	597.90	151.6	1968.9	.3983	.8607	.6009	.9359	.7161
.7100	.8760	209.9	2246.7	12008.8	597.85	150.2	1974.2	.4028	.8630	.6004	.9358	.7153
.7200	.8812	208.3	2252.6	12003.9	597.82	148.8	1979.5	.4072	.8653	.6002	.9358	.7145
.7300	.8864	206.6	2258.5	11995.6	597.77	147.4	1984.8	.4118	.8676	.5998	.9357	.7135
.7400	.8914	205.0	2264.5	11989.9	597.73	146.1	1990.2	.4164	.8699	.5995	.9356	.7127
.7500	.8964	203.4	2270.4	11981.9	597.68	144.9	1995.5	.4209	.8721	.5991	.9356	.7117
.7600	.9013	201.8	2276.3	11975.5	597.64	143.6	2001.0	.4256	.8743	.5988	.9355	.7109
.7700	.9062	200.3	2282.2	11968.8	597.60	142.3	2006.5	.4302	.8765	.5984	.9354	.7098
.7800	.9109	198.7	2288.1	11962.9	597.56	141.1	2012.0	.4349	.8786	.5981	.9354	.7089
.7900	.9156	197.2	2294.1	11956.5	597.52	139.9	2017.6	.4395	.8807	.5978	.9353	.7077
.8000	.9203	195.7	2300.0	11950.2	597.49	138.7	2023.2	.4444	.8829	.5975	.9352	.7066
.8100	.9248	194.3	2305.9	11943.3	597.45	137.1	2029.9	.4492	.8849	.5973	.9352	.7055
.8200	.9293	192.8	2311.8	11937.2	597.40	135.8	2035.5	.4539	.8869	.5969	.9351	.7044
.8300	.9337	191.4	2317.7	11930.5	597.36	134.6	2041.3	.4585	.8890	.5965	.9351	.7033
.8400	.9381	190.0	2323.7	11920.9	597.32	133.4	2047.1	.4637	.8913	.5963	.9350	.7021
.8500	.9424	188.7	2329.6	11920.9	597.29	132.2	2051.9	.4686	.8939	.5960	.9349	.7010
.8600	.9466	187.3	2335.5	11913.6	597.26	131.0	2057.8	.4735	.8949	.5957	.9349	.6997
.8700	.9508	186.0	2341.4	11907.7	597.20	129.9	2063.7	.4785	.8968	.5954	.9348	.6984
.8800	.9549	184.6	2347.3	11901.0	597.17	128.7	2069.6	.4835	.8987	.5951	.9348	.6971
.8900	.9589	183.3	2353.2	11894.0	597.13	127.6	2075.6	.4885	.9006	.5948	.9347	.6958
.9000	.9629	182.1	2359.2	11890.1	597.09	126.4	2081.7	.4936	.9025	.5945	.9346	.6945
.9100	.9669	180.8	2365.1	11884.3	597.05	125.3	2087.8	.4987	.9044	.5942	.9346	.6932
.9200	.9707	179.5	2371.0	11878.4	597.02	124.2	2093.9	.5039	.9062	.5939	.9345	.6918
.9300	.9746	178.3	2376.9	11872.6	596.98	123.2	2100.1	.5091	.9080	.5935	.9345	.6904
.9400	.9784	177.1	2382.8	11866.7	596.94	122.0	2106.4	.5143	.9098	.5933	.9344	.6890
.9500	.9821	175.9	2388.8	11863.3	596.91	121.0	2112.7	.5196	.9116	.5931	.9344	.6876
.9600	.9858	174.7	2394.7	11855.4	596.88	119.9	2119.0	.5249	.9133	.5928	.9343	.6862
.9700	.9894	173.6	2400.6	11849.6	596.83	118.8	2125.4	.5302	.9151	.5925	.9342	.6848
.9800	.9930	172.4	2406.5	11844.2	596.80	117.8	2131.9	.5355	.9168	.5923	.9342	.6831
.9900	.9965	171.3	2412.4	11839.4	596.77	116.8	2138.4	.5410	.9185	.5920	.9341	.6817
1.0000	1.0000	170.2	2418.4	11833.0	596.72	115.7	2144.8	.5464	.9202	.5917	.9341	.6801

TABLE C. SATURATED CRITICAL STATE PROPERTIES

(PO 21000 KPA (TSAT 642.93 K))

XO	AO	AO KG/M3	HO KJ/KG	PO KPA	TO K	RO KG/M3	HO KJ/KG	XO	AO	PO	TO	RO
0.0000	0.0000	454.2	1856.3	13100.9	604.58	291.6	1725.2	.1676	.6186	.6239	.9403	.6419
.0100	.6225	448.5	1890.9	13095.3	604.55	289.0	1728.0	.1703	.6232	.6235	.9403	.6444
.0200	.0445	445.9	1914.5	13088.6	604.51	286.4	1730.5	.1729	.6278	.6233	.9403	.6468
.0300	.0659	437.4	1930.4	13082.4	604.47	283.9	1733.1	.1756	.6323	.6230	.9403	.6491
.0400	.0868	432.1	1944.1	13075.9	604.43	281.4	1735.6	.1783	.6368	.6227	.9401	.6513
.0500	.1072	426.9	1960.3	13070.1	604.40	279.0	1738.4	.1809	.6412	.6224	.9401	.6536
.0600	.1271	421.5	1973.9	13064.8	604.36	276.6	1742.3	.1836	.6455	.6221	.9400	.6555
.0700	.1466	416.5	1984.7	13058.3	604.33	274.2	1745.4	.1863	.6498	.6218	.9399	.6579
.0800	.1656	410.9	1997.8	13054.0	604.29	271.8	1748.0	.1890	.6540	.6215	.9399	.6598
.0900	.1841	407.2	2007.8	13045.0	604.25	269.5	1750.9	.1918	.6582	.6212	.9398	.6618
.1000	.2023	402.6	1932.4	13039.4	604.21	267.2	1743.9	.1945	.6623	.6209	.9398	.6637
.1100	.2200	398.1	1937.0	13033.2	604.18	264.9	1756.8	.1973	.6664	.6206	.9397	.6655
.1200	.2373	393.7	1944.6	13027.4	604.14	262.7	1759.7	.2000	.6704	.6203	.9397	.6673
.1300	.2543	389.3	1955.2	13020.4	604.10	260.5	1762.7	.2028	.6744	.6200	.9396	.6690
.1400	.2708	385.1	1970.8	13014.3	604.04	258.3	1765.7	.2055	.6784	.6197	.9395	.6707
.1500	.2871	381.0	1994.5	13008.4	604.03	256.1	1768.7	.2083	.6822	.6194	.9395	.6723
.1600	.3030	376.9	1960.1	13001.4	603.99	254.0	1771.7	.2111	.6860	.6191	.9394	.6738
.1700	.3185	373.0	1944.7	12995.8	603.95	251.9	1774.7	.2139	.6898	.6188	.9394	.6753
.1800	.3337	369.1	1955.3	12989.4	603.91	249.8	1777.7	.2167	.6935	.6185	.9393	.6767
.1900	.3486	365.3	1973.0	12982.5	603.87	247.7	1780.7	.2195	.6972	.6182	.9392	.6781
.2000	.3632	361.5	1998.5	12976.6	603.84	245.6	1783.8	.2224	.7008	.6179	.9392	.6794
.2100	.3775	357.9	1983.1	12969.7	603.80	243.6	1786.9	.2252	.7044	.6176	.9391	.6807
.2200	.3916	354.3	1988.7	12964.0	603.76	241.6	1790.0	.2280	.7080	.6173	.9390	.6819
.2300	.4053	350.8	1999.4	12957.9	603.72	239.6	1793.1	.2309	.7115	.6170	.9390	.6831
.2400	.4188	347.4	2013.0	12952.7	603.68	237.6	1796.3	.2338	.7150	.6167	.9389	.6843
.2500	.4320	344.0	2001.6	12944.0	603.64	235.7	1799.5	.2367	.7184	.6164	.9389	.6853
.2600	.4450	340.7	2006.2	12937.9	603.60	233.8	1802.4	.2396	.7218	.6161	.9388	.6863
.2700	.4577	337.4	2010.8	12931.2	603.56	232.0	1805.6	.2425	.7252	.6158	.9388	.6873
.2800	.4702	334.2	2014.4	12926.1	603.53	230.1	1808.8	.2454	.7286	.6155	.9387	.6883
.2900	.4824	331.1	2020.0	12919.4	603.49	228.3	1812.0	.2484	.7319	.6152	.9387	.6892
.3000	.4944	328.1	2034.7	12911.7	603.45	226.4	1814.1	.2513	.7350	.6148	.9386	.6900
.3100	.5062	325.1	2029.3	12906.1	603.41	224.6	1819.3	.2543	.7382	.6145	.9385	.6909
.3200	.5178	322.1	2031.9	12899.0	603.38	222.8	1822.6	.2572	.7414	.6142	.9385	.6916
.3300	.5292	319.3	2034.5	12893.3	603.34	221.0	1825.8	.2602	.7445	.6139	.9384	.6924
.3400	.5403	316.4	2043.1	12888.1	603.30	219.3	1829.1	.2632	.7476	.6136	.9384	.6931
.3500	.5513	313.6	2047.7	12881.0	603.26	217.5	1831.4	.2662	.7506	.6134	.9383	.6937
.3600	.5621	310.8	2052.3	12875.3	603.23	215.8	1834.7	.2692	.7535	.6131	.9382	.6944
.3700	.5727	308.1	2056.9	12868.9	603.19	214.1	1838.0	.2723	.7565	.6128	.9382	.6950
.3800	.5831	305.4	2061.6	12862.0	603.15	212.4	1841.3	.2753	.7594	.6125	.9381	.6955
.3900	.5933	302.8	2066.2	12855.6	603.11	210.8	1844.6	.2783	.7623	.6122	.9381	.6960
.4000	.6034	300.3	2070.8	12849.7	603.07	209.1	1848.0	.2814	.7654	.6119	.9380	.6965
.4100	.6132	297.8	2075.4	12843.5	603.04	207.5	1851.4	.2844	.7683	.6116	.9379	.6969
.4200	.6230	295.3	2080.0	12837.4	603.00	205.9	1854.8	.2875	.7713	.6113	.9379	.6973
.4300	.6325	292.9	2084.6	12831.2	602.96	204.3	1858.2	.2906	.7741	.6109	.9378	.6977
.4400	.6419	290.6	2089.2	12825.0	602.92	202.7	1861.6	.2937	.7767	.6106	.9378	.6980
.4500	.6512	288.3	2093.9	12818.9	602.89	201.2	1865.1	.2969	.7794	.6104	.9377	.6983
.4600	.6603	285.7	2098.5	12812.8	602.85	199.6	1868.6	.3000	.7821	.6101	.9377	.6986
.4700	.6693	283.5	2103.1	12806.6	602.82	198.1	1872.1	.3032	.7848	.6098	.9376	.6989
.4800	.6781	281.3	2107.8	12800.5	602.78	196.6	1875.6	.3063	.7874	.6094	.9375	.6991
.4900	.6867	279.0	2112.3	12794.3	602.74	195.1	1879.1	.3095	.7900	.6093	.9375	.6992
.5000	.6953	276.8	2116.9	12788.2	602.71	193.6	1882.6	.3127	.7926	.6090	.9374	.6994
.5100	.7037	274.7	2121.5	12782.5	602.67	192.1	1886.2	.3159	.7952	.6087	.9374	.6995
.5200	.7120	272.6	2126.1	12776.4	602.63	190.6	1889.8	.3191	.7979	.6084	.9373	.6996
.5300	.7201	270.5	2130.6	12770.7	602.59	189.2	1893.3	.3223	.8002	.6081	.9373	.6996
.5400	.7282	268.5	2135.4	12765.3	602.56	187.8	1897.0	.3256	.8027	.6078	.9372	.6997
.5500	.7361	266.5	2140.0	12760.0	602.53	186.4	1900.6	.3288	.8052	.6076	.9372	.6997
.5600	.7439	264.4	2144.6	12752.8	602.48	185.0	1904.2	.3321	.8076	.6073	.9371	.6996
.5700	.7515	262.5	2149.2	12747.1	602.45	183.6	1907.9	.3354	.8100	.6070	.9370	.6996
.5800	.7591	260.5	2153.8	12741.5	602.42	182.2	1911.6	.3387	.8124	.6067	.9370	.6995
.5900	.7665	258.6	2158.4	12735.4	602.38	180.9	1915.3	.3420	.8148	.6064	.9369	.6994
.6000	.7739	256.8	2163.1	12729.7	602.34	179.5	1919.0	.3453	.8171	.6062	.9369	.6993
.6100	.7811	254.9	2167.7	12724.5	602.31	178.2	1922.8	.3487	.8194	.6059	.9368	.6991
.6200	.7883	253.1	2172.3	12718.7	602.28	176.9	1926.5	.3520	.8217	.6056	.9368	.6989
.6300	.7953	251.3	2176.9	12712.3	602.24	175.5	1930.3	.3554	.8240	.6053	.9367	.6987
.6400	.8022	249.5	2181.5	12706.6	602.20	174.3	1934.1	.3588	.8262	.6051	.9366	.6985
.6500	.8091	247.8	2186.1	12701.0	602.17	173.0	1938.0	.3622	.8284	.6049	.9366	.6982
.6600	.8158	246.1	2190.7	12696.4	602.14	171.8	1941.9	.3656	.8306	.6046	.9366	.6980
.6700	.8225	244.4	2195.3	12690.6	602.11	170.6	1946.0	.3692	.8327	.6047	.9366	.6980
.6800	.8290	242.7	2200.0	12684.1	602.07	169.2	1949.8	.3725	.8350	.6040	.9364	.6973
.6900	.8355	241.0	2204.6	12677.9	602.03	168.0	1953.9	.3760	.8371	.6037	.9364	.6969
.7000	.8419	239.4	2209.2	12673.8	602.00	166.8	1957.9	.3795	.8392	.6035	.9363	.6966
.7100	.8482	237.8	2213.8	12667.7	601.97	165.6	1961.9	.3830	.8413	.6032	.9363	.6962
.7200	.8544	236.2	2218.4	12662.0	601.93	164.4	1965.9	.3865	.8434	.6030	.9362	.6958
.7300	.8605	234.7	2223.0	12656.4	601.90	163.2	1969.9	.3900	.8454	.6027	.9362	.6954
.7400	.8666	233.1	2227.6	12651.5	601.87	162.0	1973.9	.3936	.8475	.6025	.9361	.6949
.7500	.8725	231.6	2232.3	12645.6	601.83	160.8	1977.9	.3971	.8495	.6022	.9361	.6944
.7600	.8784	230.1	2236.9	12640.0	601.80	159.7	1981.9	.4007	.8515	.6019	.9360	.6939
.7700	.8842	228.6	2241.5	12635.9	601.77	158.5	1985.9	.4043	.8534	.6017	.9360	.6933
.7800	.8900	227.1	2246.1	12629.2	601.73	157.4	1989.9	.4079	.8554	.6014	.9359	.6929
.7900	.8957	225.7	2250.7	12624.1	601.70	156.2	1993.9	.4116	.8573	.6011	.9359	.6923
.8000	.9013	224.3	2255.3	12619.5	601.67	155.1	1998.0	.4152	.8593	.6009	.9358	.6918
.8100	.9068	222.9	2259.9	12613.3	601.63	154.0	2002.2	.4189	.8612	.6005	.9358	.6911
.8200	.9122	221.4	2264.5	12609.2	601.61	152.9	2006.4	.4226	.8630	.6004	.9357	.6905
.8300	.9176	220.1	2269.2	12603.1	601.57	151.8	2010.6	.4263	.8649	.6001	.9357	.6900
.8400	.9230	218.7	2273.8	12598.5	601.54	150.8	2014.9	.4300	.8668	.5999	.9356	.6893
.8500	.9282	217.4	2278.4	12591.8	601.50	149.7	2019.1	.4338	.8686	.5996	.9356	.6885
.8600	.9334	216.1	2283.0	12587.2	601.47	148.6	2023.4	.4375	.8704	.5994	.9355	.6877
.8700	.9384	214.7	2287.6	12581.5	601.44	147.6	2027.7	.4413	.8722	.5991	.9355	.6871
.8800	.9434	213.4	2292.2	12575.9	601.41	146.5	2032.2	.4452	.8740	.5990	.9354	.6865
.8900	.9484	212.2	2296.8	12571.3	601.37	145.5	2036.5	.4489	.8758	.5986	.9354	.6857
.9000	.9536	210.9	2301.5	12566.7	601.35	144.5	2040.9	.4528	.8775	.5984	.9353	.6849
.9100	.9585	209.7	2306.1	12561.5	601.31	143.4	2045.3	.4566	.8793	.5982	.9353	.6842
.9200	.9633	208.4	2310.7	12557.4	601.29	142.4	2049.8	.4605	.8810	.5980	.9352	.6834
.9300	.9681	207.2	2315.3	12552.8	601.25	141.4	2054.2	.4644	.8827	.5977	.9352	.6826
.9400	.9728	206.0	2319.9	12547.7	601.23	140.5	2058.8	.4684	.8844	.5975	.9351	.6819
.9500	.9775	204.8	2324.5	12541.6	601.19	139.5	2063.3	.4723	.8860	.5973	.9351	.6809
.9600	.9821	203.6	2329.1	12537.5	601.17	138.5	2067.9	.4762	.8877	.5970	.9350	.6801
.9700	.9866	202.5	2333.7	12531.8	601.13	137.5	2072.4	.4803	.8893	.5968	.9350	.6793
.9800	.9911	201.3	2338.4	12526.7	601.10	136.6	2077.0	.4843	.8910	.5965	.9349	.6783
.9900	.9956	200.2	2343.0	12523.1	601.08	135.6	2081.7	.4883	.8925	.5963	.9349	.6774
1.0000	1.0000	199.1	2347.6	12518.9	601.04	134.7	2086.3	.4923	.8942	.5960	.9348	.6765

TABLE 4. SATURATED CRITICAL STATE PROPERTIES

(PO 29000 KPA (TSAT 646.84 K))

XO	AO	RO KG/M3	HO KJ/KG	P* KPA	T* K	R* KG/M3	H* KJ/KG	X*	A*	PR	TR	RR
0.0000	0.0000	374.3	2011.1	13550.7	607.22	242.4	1820.2	.2421	.7078	.6139	.9387	.6476
.0100	.0139	372.9	2013.0	13548.0	607.21	241.6	1821.4	.2433	.7092	.6138	.9387	.6480
.0200	.0277	371.4	2014.8	13545.4	607.20	240.9	1822.7	.2445	.7106	.6137	.9387	.6484
.0300	.0416	370.0	2016.6	13542.8	607.18	240.1	1824.0	.2457	.7120	.6136	.9387	.6489
.0400	.0555	368.5	2018.4	13540.2	607.17	239.3	1825.3	.2470	.7134	.6135	.9387	.6494
.0500	.0694	367.1	2020.4	13537.6	607.15	238.5	1826.6	.2483	.7149	.6134	.9386	.6497
.0600	.0818	365.7	2022.2	13535.2	607.14	237.7	1827.9	.2494	.7163	.6133	.9386	.6502
.0700	.0951	364.3	2024.0	13532.6	607.12	237.0	1829.2	.2506	.7177	.6132	.9386	.6506
.0800	.1082	362.9	2025.8	13530.1	607.10	236.2	1830.4	.2519	.7191	.6130	.9386	.6510
.0900	.1213	361.5	2027.7	13527.6	607.08	235.5	1831.8	.2531	.7204	.6149	.9385	.6514
.1000	.1342	360.1	2029.6	1352 .6	607.08	234.7	1833.0	.2543	.7218	.6148	.9385	.6518
.1100	.1471	358.7	2031.4	13523.1	607.06	233.9	1834.3	.2556	.7232	.6147	.9385	.6521
.1200	.1599	357.4	2033.3	13520.7	607.05	233.2	1835.6	.2568	.7246	.6146	.9385	.6525
.1300	.1726	356.0	2035.2	13518.2	607.03	232.4	1836.9	.2580	.7259	.6144	.9384	.6529
.1400	.1851	354.7	2037.0	13515.7	607.01	231.7	1838.2	.2593	.7273	.6143	.9384	.6533
.1500	.1976	353.4	2038.8	13513.1	607.00	231.0	1839.6	.2605	.7286	.6142	.9384	.6536
.1600	.2100	352.1	2040.6	13509.9	606.98	230.2	1840.9	.2618	.7300	.6141	.9384	.6539
.1700	.2223	350.8	2042.5	13508.4	606.98	229.5	1842.2	.2630	.7313	.6140	.9384	.6543
.1800	.2345	349.5	2044.3	13505.9	606.96	228.9	1843.5	.2643	.7326	.6138	.9383	.6546
.1900	.2466	348.2	2046.0	13503.4	606.94	228.0	1844.8	.2655	.7339	.6138	.9383	.6549
.2000	.2586	346.9	2047.8	13499.7	606.93	227.3	1846.1	.2668	.7353	.6136	.9383	.6552
.2100	.2706	345.6	2049.9	13497.0	606.91	226.6	1847.5	.2680	.7366	.6135	.9383	.6555
.2200	.2824	344.4	2051.7	13494.5	606.89	225.9	1848.8	.2693	.7379	.6134	.9382	.6558
.2300	.2942	343.1	2053.6	13492.1	606.89	225.2	1850.2	.2705	.7392	.6133	.9382	.6562
.2400	.3059	341.9	2055.4	13489.5	606.87	224.6	1851.5	.2718	.7405	.6132	.9382	.6564
.2500	.3175	340.7	2057.3	13487.0	606.86	223.9	1852.8	.2731	.7419	.6131	.9382	.6568
.2600	.3290	339.4	2059.1	13485.2	606.84	223.0	1854.2	.2743	.7430	.6130	.9382	.6570
.2700	.3404	338.2	2060.9	13482.7	606.82	222.5	1855.5	.2756	.7443	.6128	.9381	.6573
.2800	.3518	337.0	2062.8	13480.3	606.81	221.9	1856.8	.2768	.7456	.6127	.9381	.6576
.2900	.3631	335.8	2064.6	13476.6	606.79	220.2	1858.2	.2781	.7469	.6126	.9381	.6578
.3000	.3742	334.6	2066.3	13474.9	606.79	220.2	1859.5	.2794	.7481	.6125	.9381	.6581
.3100	.3854	333.5	2068.3	13472.0	606.76	219.5	1860.9	.2807	.7493	.6124	.9380	.6583
.3200	.3964	332.3	2070.0	13469.5	606.75	218.8	1862.2	.2819	.7505	.6123	.9380	.6586
.3300	.4073	331.1	2071.8	13467.1	606.74	218.2	1863.6	.2832	.7518	.6122	.9380	.6589
.3400	.4182	330.0	2073.6	13464.5	606.72	217.5	1864.9	.2844	.7531	.6120	.9380	.6591
.3500	.4290	328.8	2075.3	13461.6	606.70	216.8	1866.3	.2858	.7543	.6119	.9379	.6593
.3600	.4398	327.7	2077.1	13459.7	606.69	216.1	1867.7	.2871	.7555	.6118	.9379	.6595
.3700	.4504	326.6	2078.9	13457.0	606.68	215.4	1869.1	.2883	.7567	.6117	.9379	.6597
.3800	.4610	325.4	2080.6	13454.5	606.66	214.8	1870.4	.2896	.7580	.6115	.9379	.6599
.3900	.4715	324.3	2082.4	13452.1	606.65	214.1	1871.8	.2909	.7592	.6114	.9379	.6602
.4000	.4820	323.2	2084.0	13449.8	606.63	213.4	1873.2	.2922	.7604	.6114	.9378	.6604
.4100	.4923	322.1	2085.8	13446.5	606.62	212.9	1874.5	.2935	.7616	.6112	.9378	.6605
.4200	.5026	321.0	2087.5	13444.2	606.61	212.2	1875.9	.2948	.7628	.6111	.9378	.6607
.4300	.5128	319.9	2089.2	13441.7	606.60	211.6	1877.3	.2961	.7639	.6110	.9378	.6609
.4400	.5230	318.9	2090.9	13438.3	606.57	210.8	1878.7	.2974	.7651	.6109	.9377	.6611
.4500	.5331	317.8	2092.5	13436.3	606.56	210.1	1880.1	.2987	.7663	.6107	.9377	.6613
.4600	.5431	316.7	2094.2	13434.2	606.54	209.5	1881.5	.3000	.7675	.6106	.9377	.6614
.4700	.5531	315.7	2095.8	13431.8	606.53	208.8	1882.9	.3013	.7686	.6105	.9377	.6615
.4800	.5630	314.6	2097.5	13429.4	606.51	208.2	1884.3	.3026	.7698	.6104	.9377	.6617
.4900	.5728	313.6	2099.1	13427.1	606.50	207.6	1885.7	.3039	.7710	.6103	.9376	.6619
.5000	.5825	312.5	2100.7	13425.4	606.48	206.9	1887.1	.3052	.7721	.6102	.9376	.6620
.5100	.5922	311.5	2102.2	13422.4	606.48	206.3	1888.5	.3066	.7732	.6101	.9376	.6622
.5200	.6019	310.4	2103.8	13420.2	606.46	205.7	1889.9	.3079	.7744	.6100	.9376	.6624
.5300	.6114	309.4	2105.3	13417.9	606.44	205.0	1891.3	.3092	.7755	.6098	.9375	.6625
.5400	.6210	308.3	2106.8	13415.7	606.43	204.4	1892.7	.3105	.7767	.6098	.9375	.6626
.5500	.6304	307.3	2108.2	13412.7	606.42	203.8	1894.2	.3118	.7778	.6097	.9375	.6628
.5600	.6398	306.2	2109.7	13410.0	606.40	203.1	1895.6	.3132	.7789	.6095	.9375	.6629
.5700	.6491	305.2	2111.2	13408.1	606.38	202.5	1897.0	.3145	.7800	.6094	.9375	.6629
.5800	.6584	304.1	2112.6	13405.8	606.37	201.9	1898.4	.3158	.7811	.6093	.9374	.6630
.5900	.6676	303.1	2114.0	13402.0	606.36	201.3	1899.8	.3172	.7823	.6092	.9374	.6632
.6000	.6767	302.1	2115.4	13402.0	606.36	200.7	1901.3	.3185	.7833	.6092	.9374	.6634
.6100	.6858	301.0	2116.7	13397.7	606.33	200.1	1902.7	.3198	.7844	.6090	.9374	.6634
.6200	.6948	300.0	2118.1	13395.4	606.32	199.4	1904.2	.3212	.7855	.6089	.9374	.6635
.6300	.7038	299.0	2119.4	13393.2	606.30	198.8	1905.6	.3225	.7866	.6088	.9373	.6635
.6400	.7127	298.0	2120.7	13389.6	606.29	198.2	1907.0	.3238	.7877	.6086	.9373	.6636
.6500	.7216	297.0	2121.9	13386.9	606.27	197.6	1908.5	.3252	.7888	.6085	.9373	.6637
.6600	.7304	296.0	2123.2	13385.8	606.26	197.0	1910.0	.3266	.7899	.6084	.9373	.6638
.6700	.7391	295.0	2124.4	13383.7	606.24	196.4	1911.4	.3279	.7910	.6083	.9372	.6638
.6800	.7478	294.0	2125.6	13379.1	606.23	195.8	1912.9	.3292	.7920	.6082	.9372	.6639
.6900	.7565	293.1	2126.8	13377.1	606.21	195.2	1914.3	.3306	.7931	.6081	.9372	.6639
.7000	.7650	292.2	2128.0	13375.1	606.20	194.7	1915.8	.3319	.7941	.6080	.9372	.6640
.7100	.7736	291.3	2129.1	13371.9	606.18	194.1	1917.2	.3333	.7952	.6078	.9371	.6640
.7200	.7821	290.4	2130.3	13370.3	606.17	193.5	1918.7	.3347	.7962	.6077	.9371	.6641
.7300	.7906	289.5	2131.4	13368.6	606.15	192.9	1920.2	.3360	.7973	.6076	.9371	.6641
.7400	.7989	288.6	2132.5	13367.4	606.14	192.3	1921.7	.3374	.7983	.6075	.9371	.6641
.7500	.8072	287.7	2133.5	13367.7	606.13	191.7	1923.1	.3388	.7994	.6074	.9371	.6641
.7600	.8155	286.8	2134.6	13360.0	606.11	191.2	1924.6	.3402	.8004	.6073	.9370	.6642
.7700	.8237	285.9	2135.6	13358.4	606.10	190.6	1926.1	.3415	.8014	.6072	.9370	.6642
.7800	.8319	285.0	2136.6	13356.8	606.08	190.0	1927.6	.3429	.8024	.6071	.9370	.6642
.7900	.8400	284.2	2137.6	13355.3	606.07	189.5	1929.1	.3443	.8034	.6070	.9370	.6643
.8000	.8481	283.4	2138.7	13350.9	606.06	188.9	1930.6	.3457	.8045	.6069	.9369	.6643
.8100	.8561	282.5	2139.6	13349.3	606.05	188.3	1932.1	.3470	.8055	.6068	.9369	.6643
.8200	.8641	281.7	2140.6	13347.8	606.03	187.8	1933.6	.3484	.8065	.6067	.9369	.6643
.8300	.8720	280.8	2141.6	13346.3	606.02	187.2	1935.1	.3498	.8075	.6065	.9368	.6643
.8400	.8799	280.0	2142.6	13344.8	606.01	186.6	1936.6	.3512	.8085	.6063	.9368	.6643
.8500	.8877	279.2	2143.6	13339.1	605.99	186.1	1938.1	.3525	.8095	.6063	.9368	.6642
.8600	.8955	278.3	2144.5	13336.4	605.97	185.5	1939.6	.3540	.8105	.6062	.9368	.6642
.8700	.9033	277.5	2145.5	13335.4	605.97	184.9	1941.1	.3554	.8114	.6061	.9368	.6642
.8800	.9110	276.7	2146.5	13332.4	605.95	184.4	1942.6	.3568	.8124	.6060	.9368	.6641
.8900	.9186	276.0	2147.4	13330.7	605.93	183.9	1944.2	.3582	.8134	.6059	.9368	.6641
.9000	.9263	275.1	2148.3	13327.3	605.92	183.3	1945.7	.3596	.8144	.6058	.9367	.6641
.9100	.9338	274.3	2149.2	13324.6	605.90	182.8	1947.2	.3610	.8153	.6057	.9367	.6640
.9200	.9413	273.5	2150.1	13323.0	605.90	182.3	1948.8	.3624	.8163	.6056	.9367	.6640
.9300	.9488	272.7	2151.0	13321.8	605.88	181.7	1950.3	.3638	.8173	.6055	.9367	.6640
.9400	.9563	272.0	2151.8	13317.6	605.86	181.2	1951.8	.3652	.8182	.6053	.9366	.6639
.9500	.9637	271.1	2152.6	13315.5	605.85	180.6	1953.4	.3667	.8192	.6052	.9366	.6638
.9600	.9710	271.3	2153.7	13313.6	605.84	180.1	1954.9	.3681	.8201	.6052	.9366	.6638
.9700	.9783	270.6	2154.5	13310.6	605.82	179.6	1956.5	.3695	.8211	.6050	.9366	.6637
.9800	.9854	269.9	2155.3	13310.6	605.81	179.1	1958.0	.3709	.8220	.6050	.9366	.6637
.9900	.9923	269.0	2156.0	13304.9	605.80	178.5	1959.6	.3724	.8229	.6049	.9365	.6636
1.0000	1.0000	268.3	2156.8	13303.1	605.79	178.0	1961.1	.3738	.8239	.6047	.9365	.6635

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* STPOOTQ //// END OF LIST ////

APPENDIX B

CHARTS

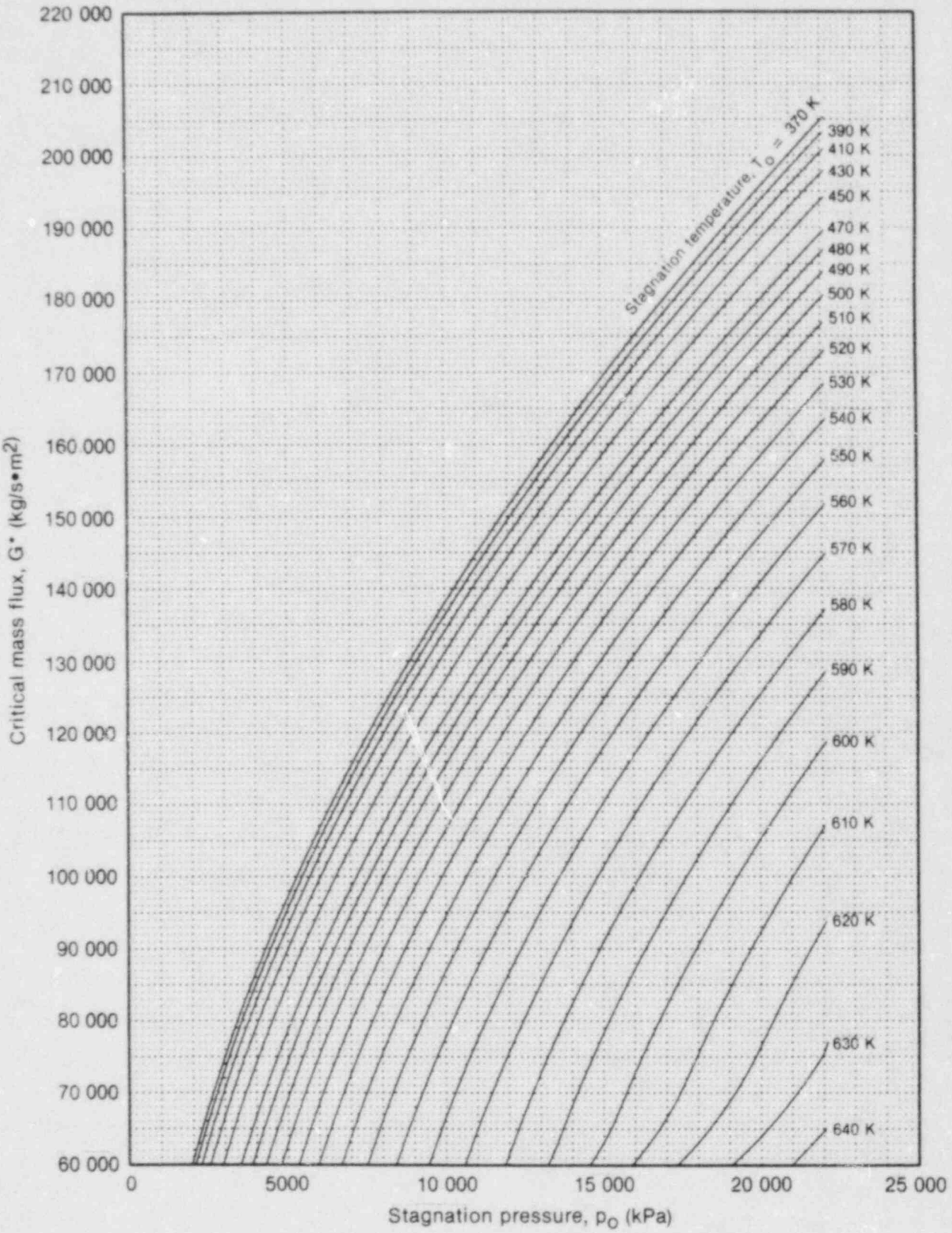

Figure B-1. Moody critical mass flux as a function of stagnation pressure (subcooled stagnation conditions).

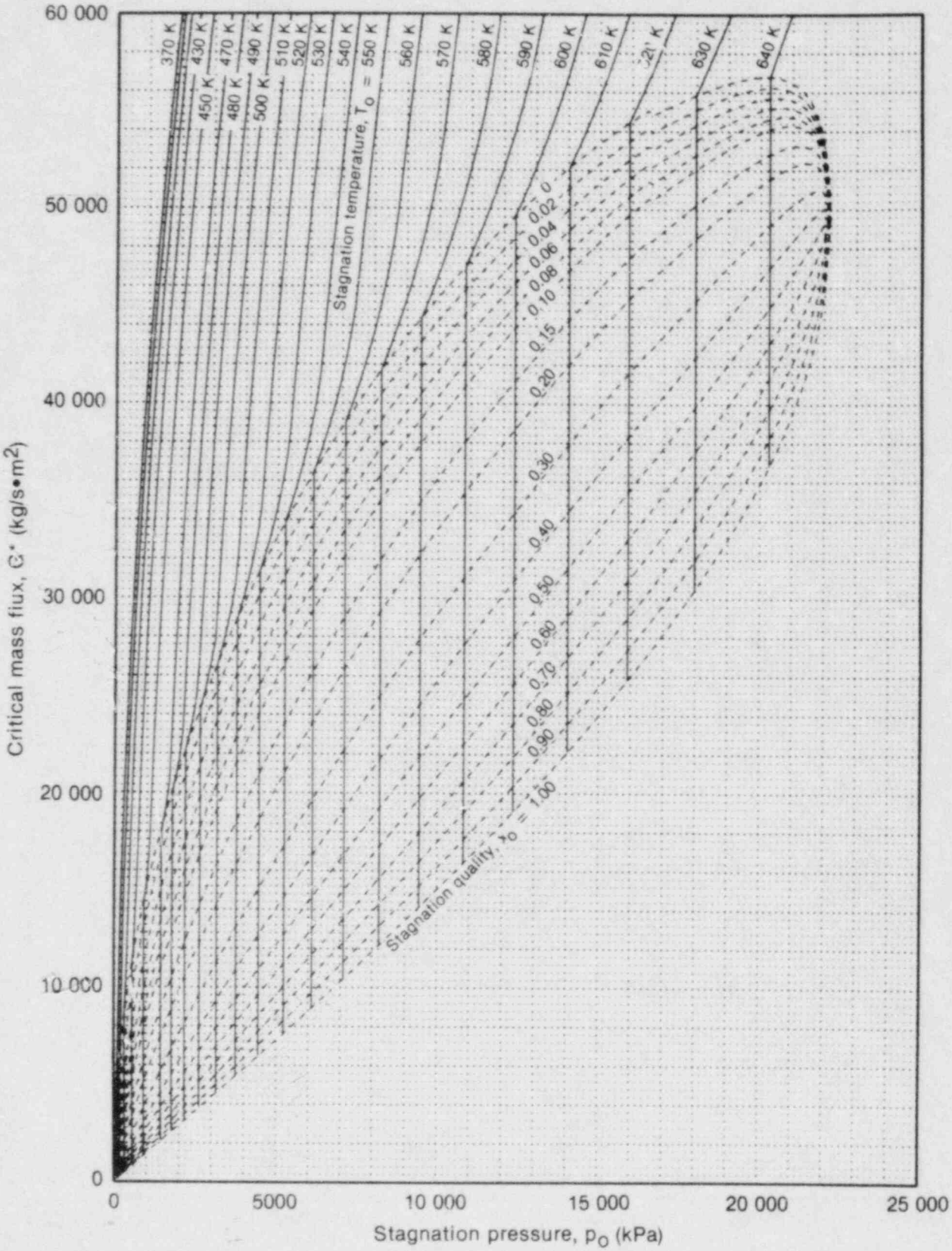

Figure B.7 Moody critical mass flux as a function of stagnation pressure (two-phase stagnation conditions).

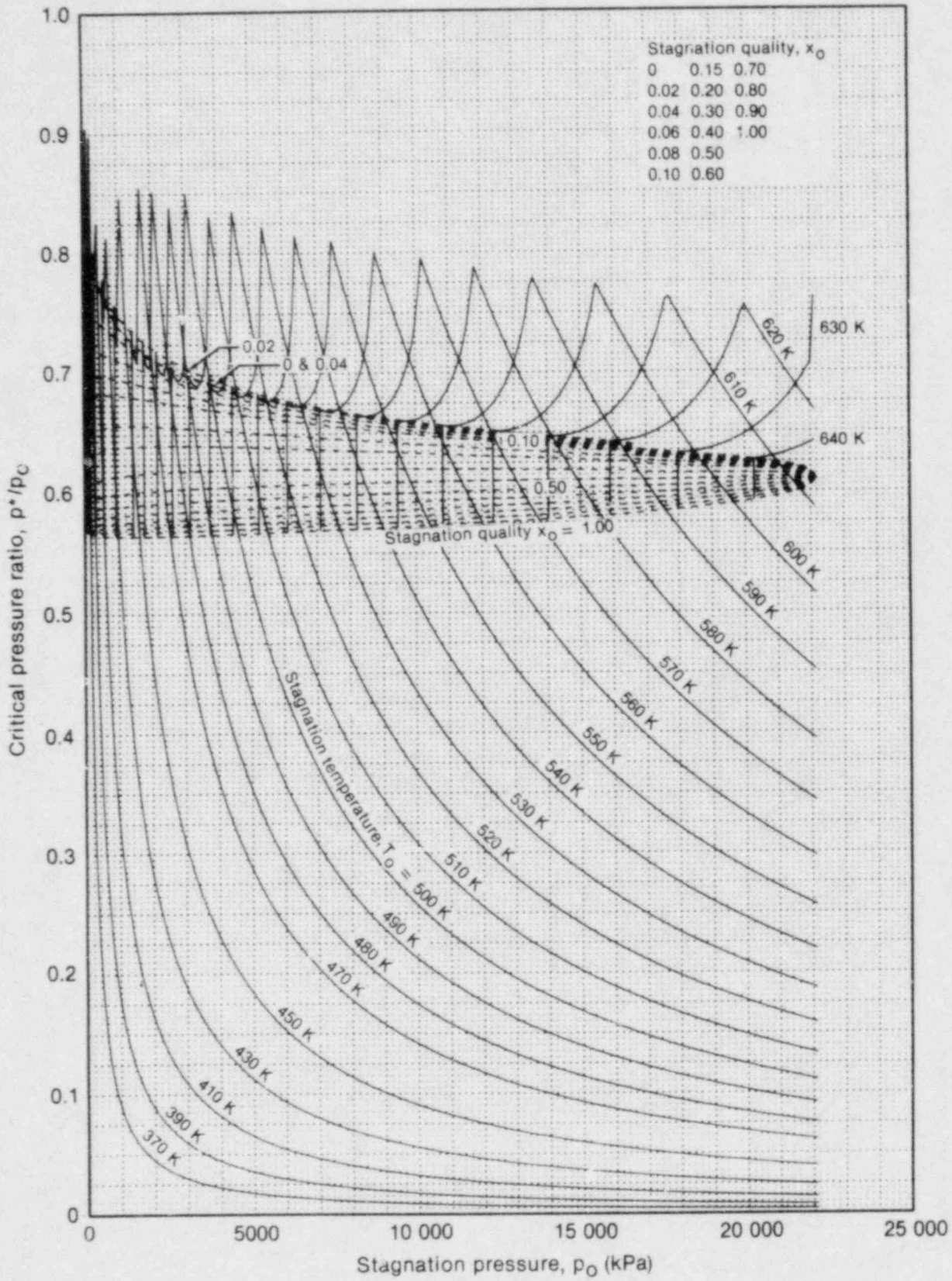

Figure B-3. Moody critical pressure ratio as a function of stagnation pressure.

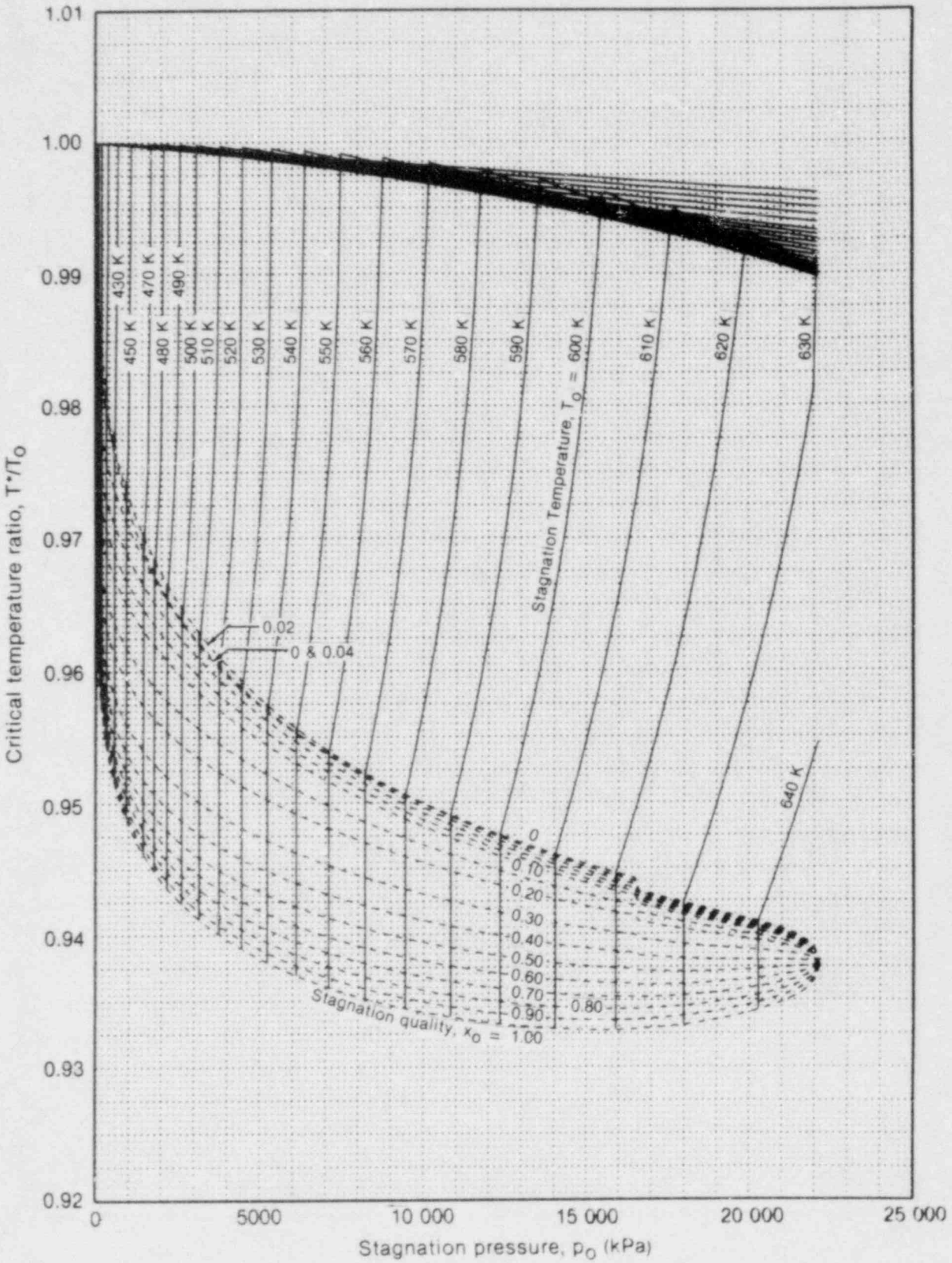

Figure B-4. Moody critical temperature ratio as a function of stagnation pressure.

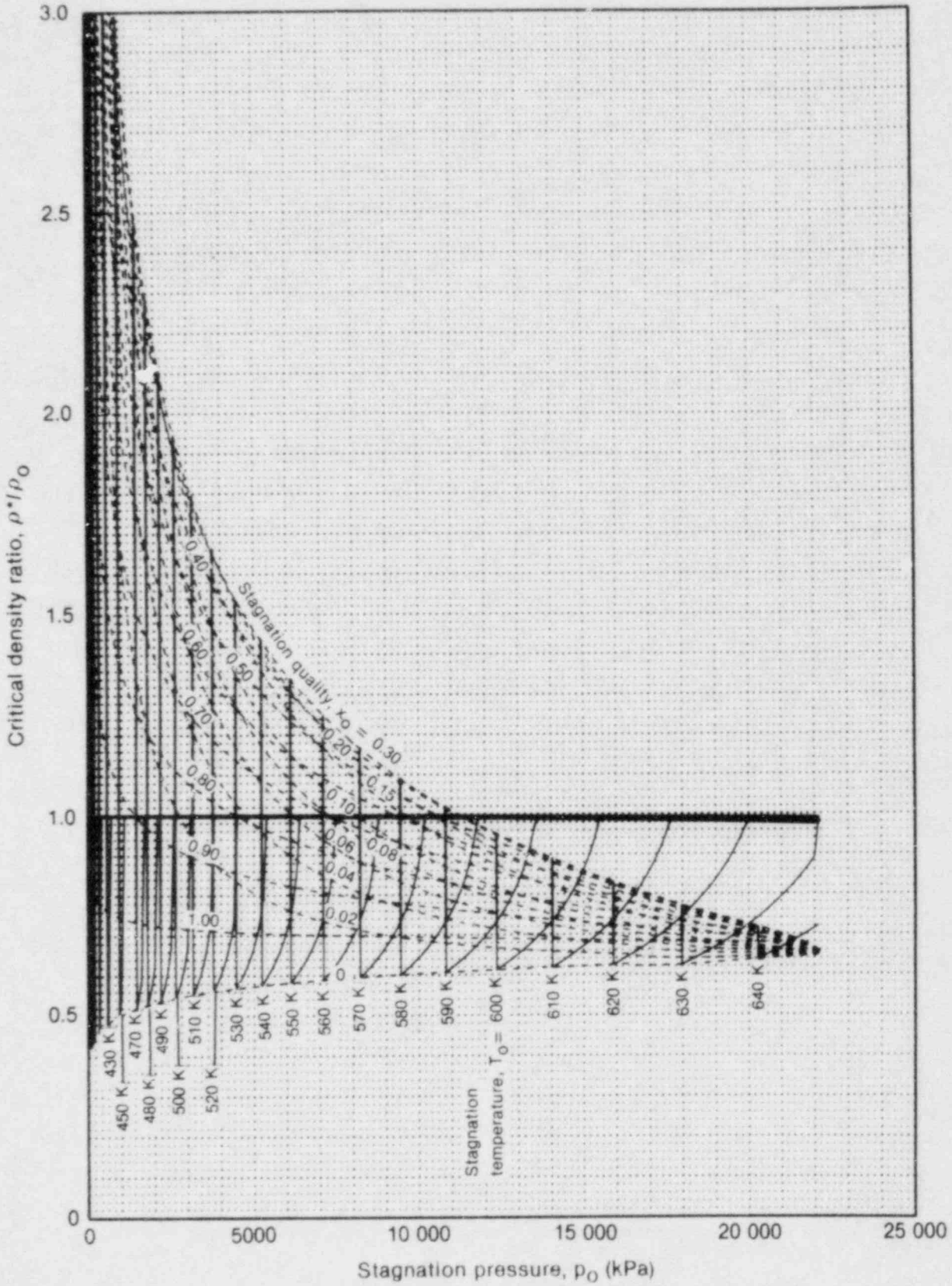

Figure B-5. Moody critical density ratio as a function of stagnation pressure.

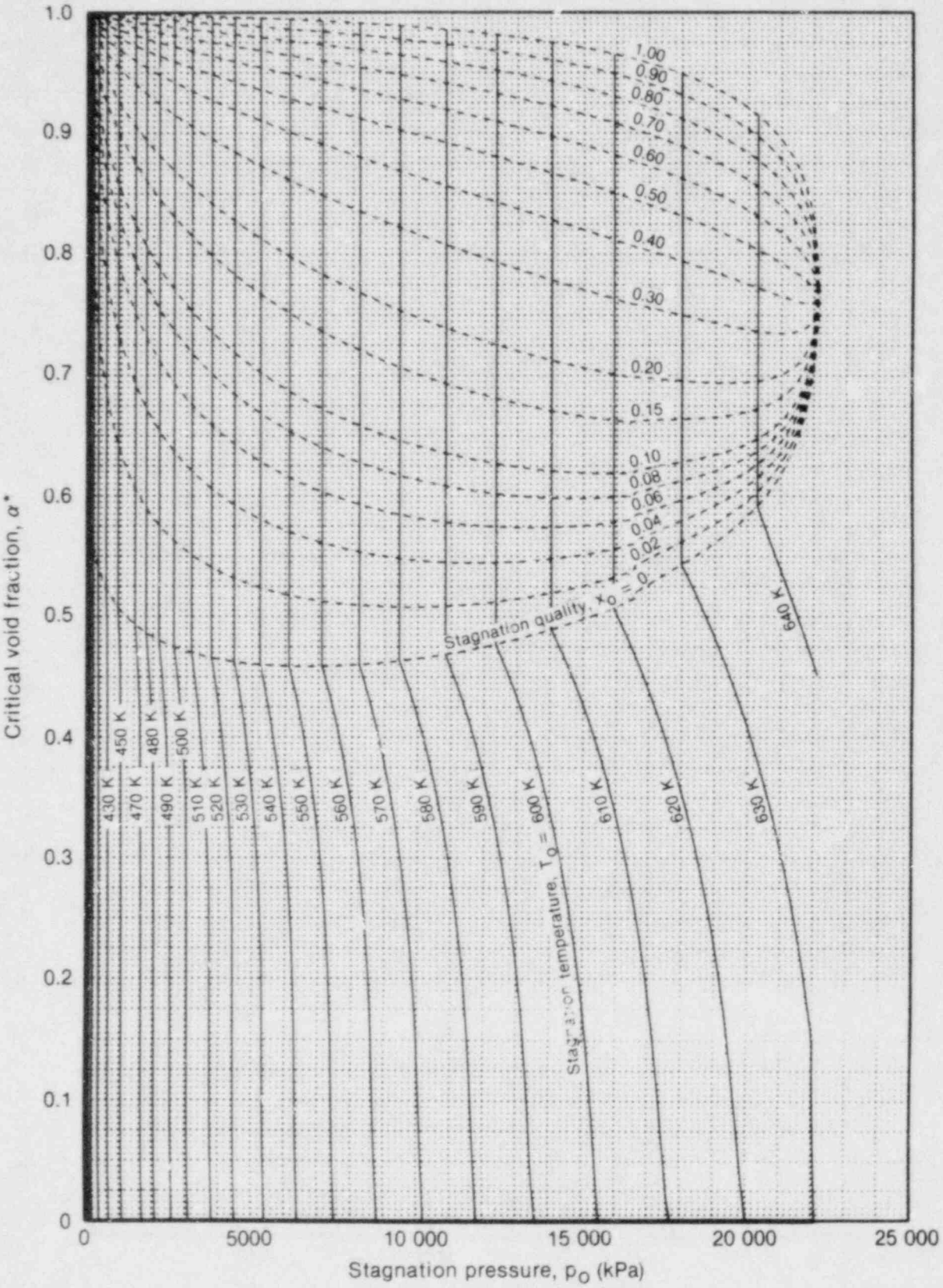

Figure B-6. Moody critical void fraction as a function of stagnation pressure.

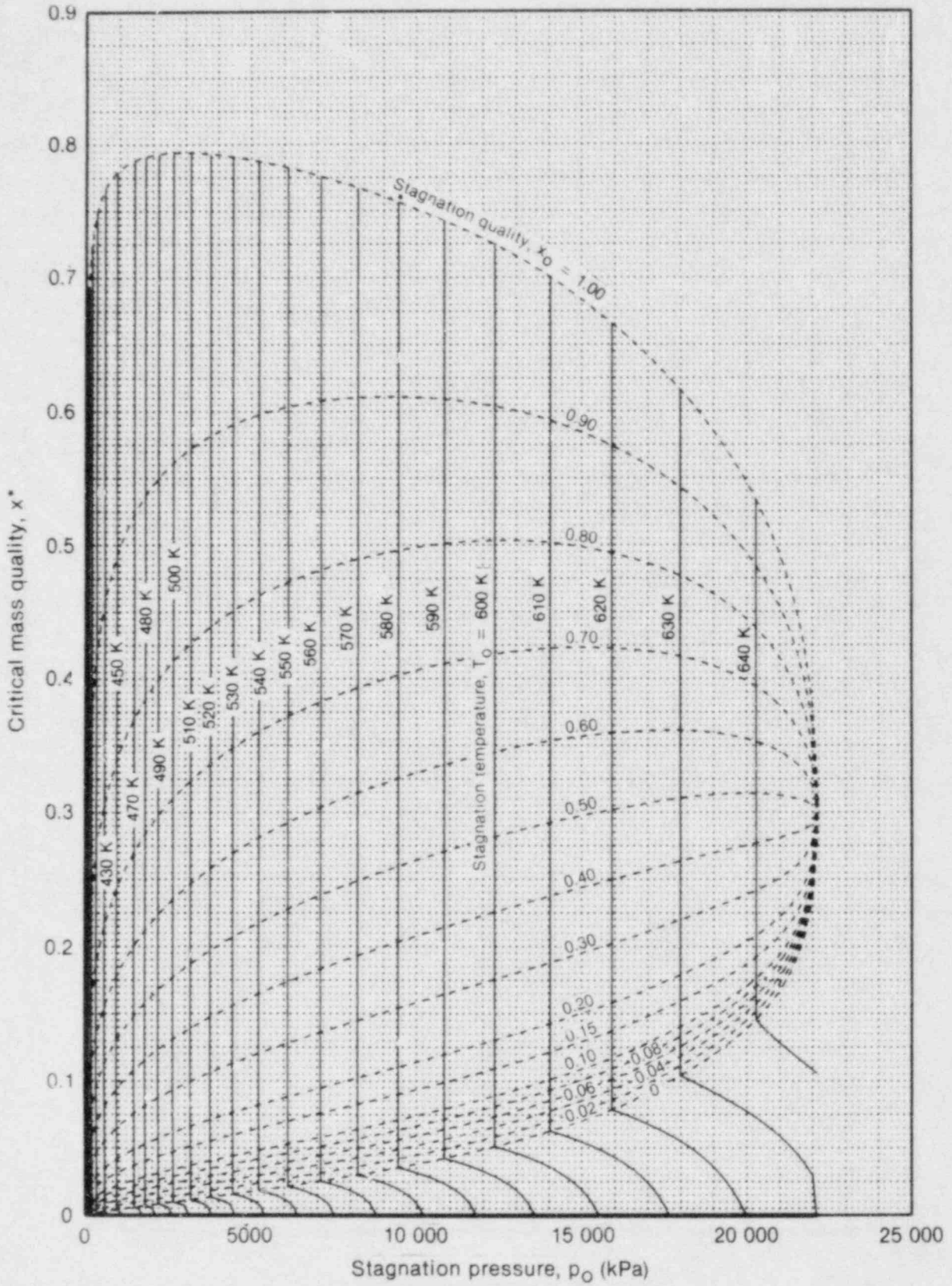

Figure B-7. Moody critical mass quality as a function of stagnation pressure.

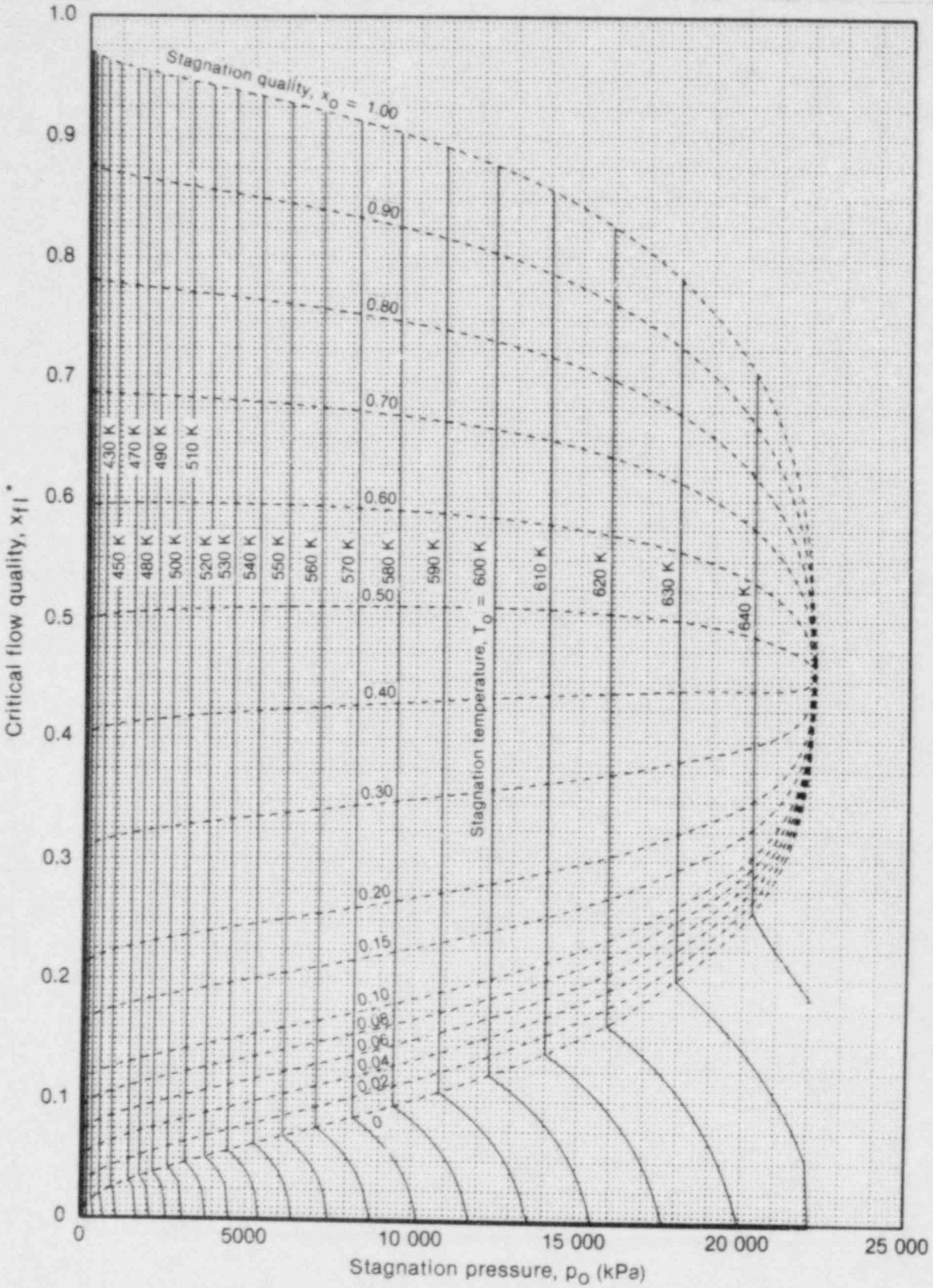

Figure B-8. Moody critical flow quality as a function of stagnation pressure.

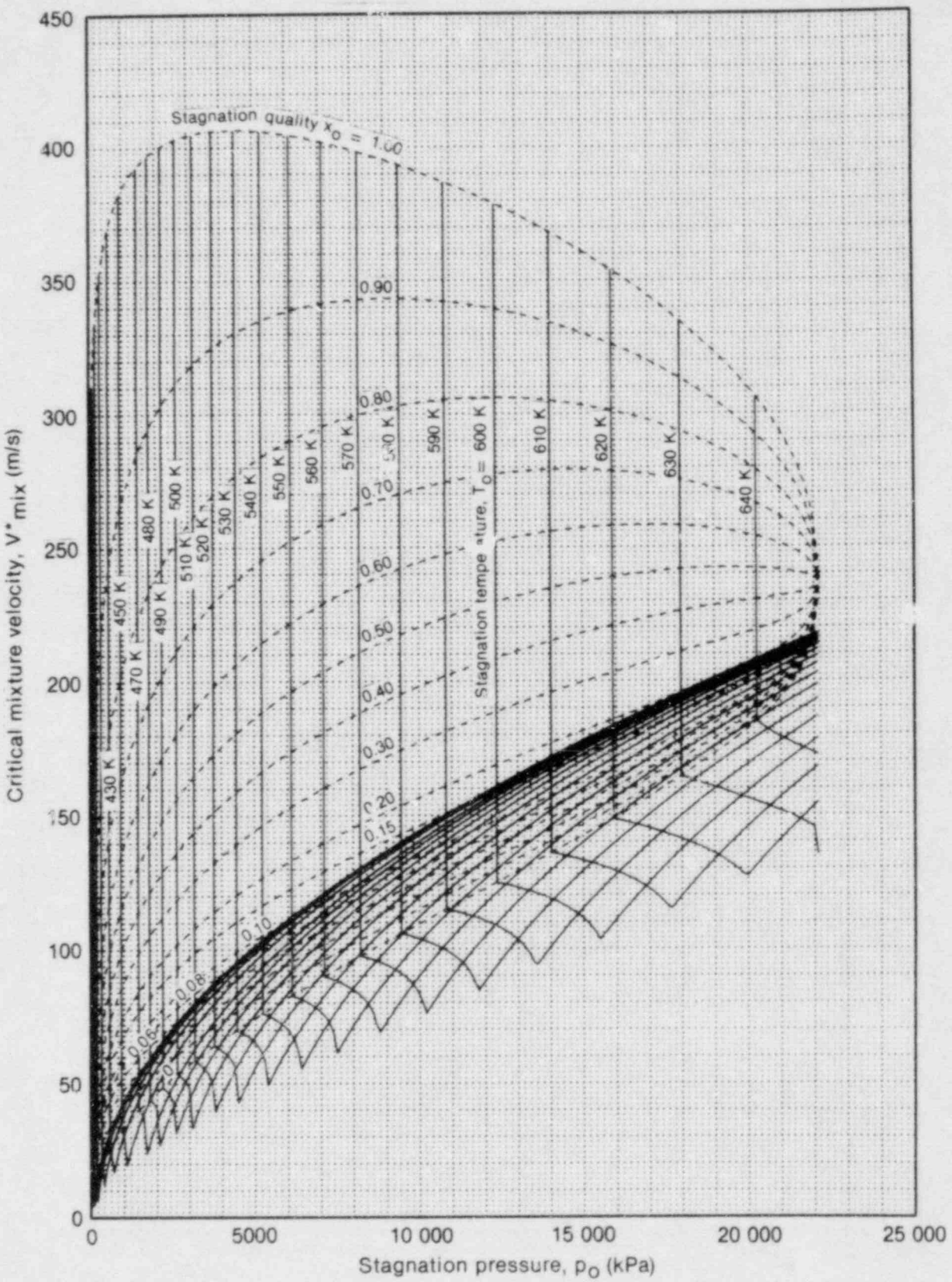

Figure B-9. Moody critical mixture velocity as a function of stagnation pressure.

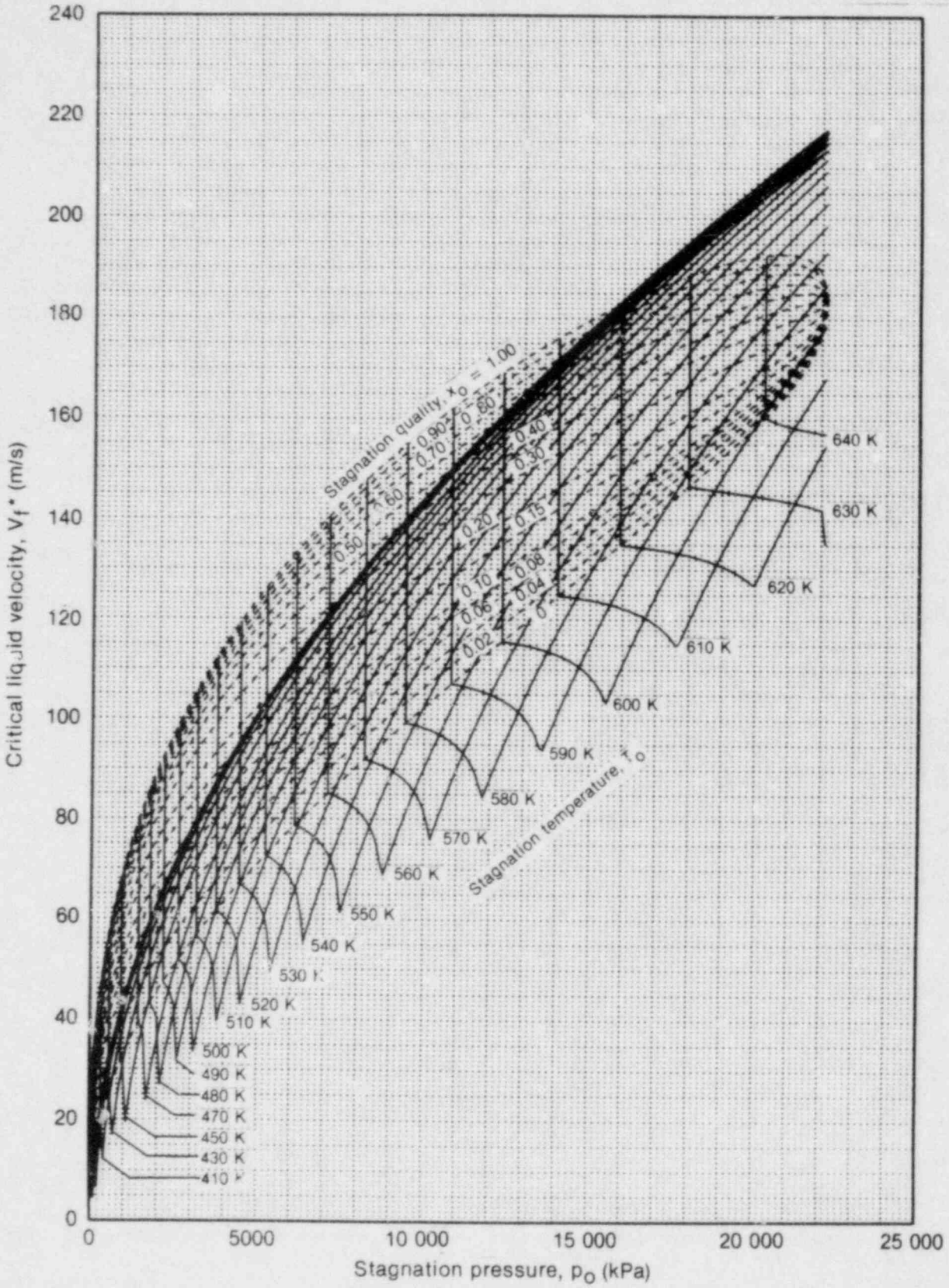

Figure B-10. Moody critical liquid velocity as a function of stagnation pressure.

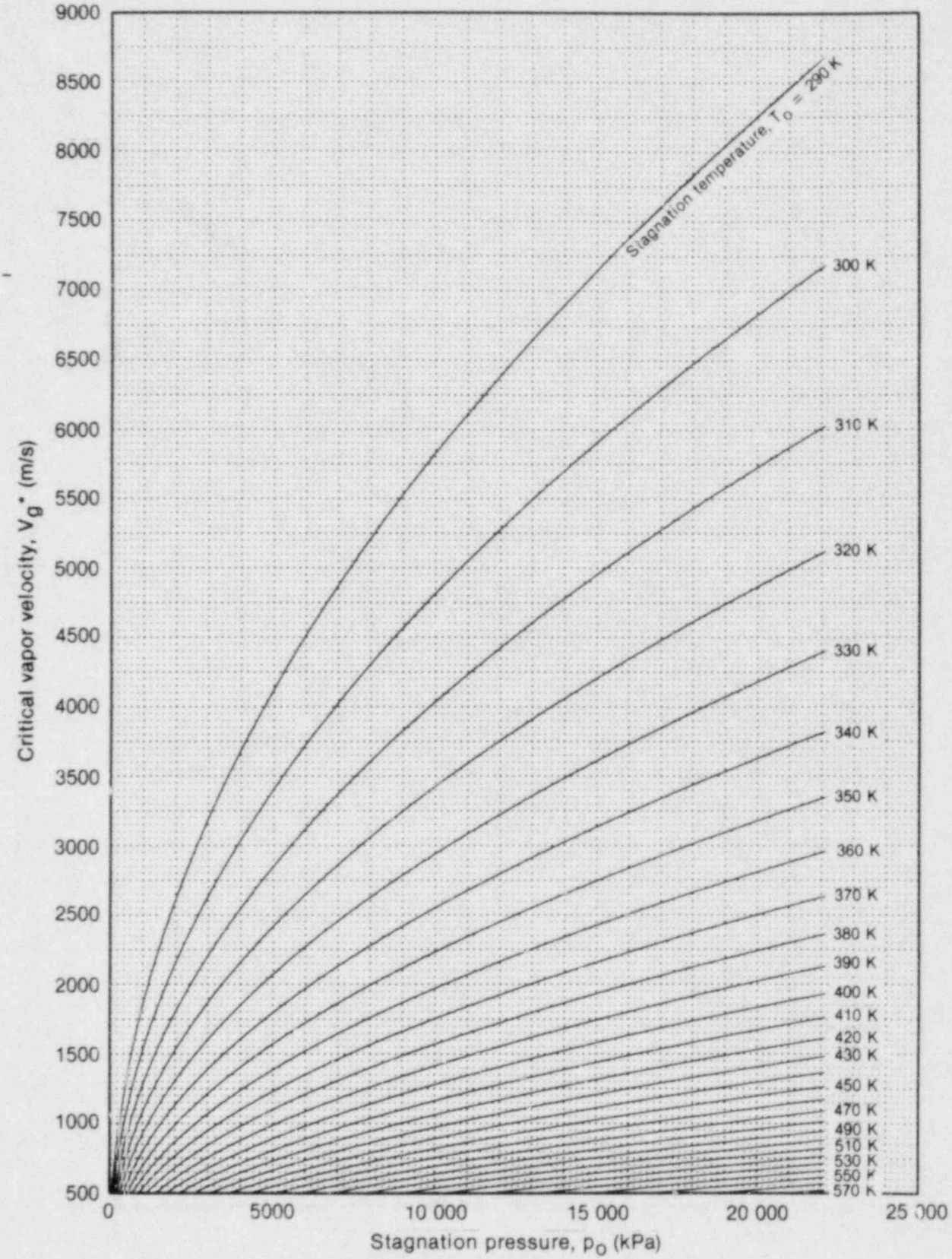

Figure B-11. Moody critical vapor velocity as a function of stagnation pressure (subcooled stagnation conditions).

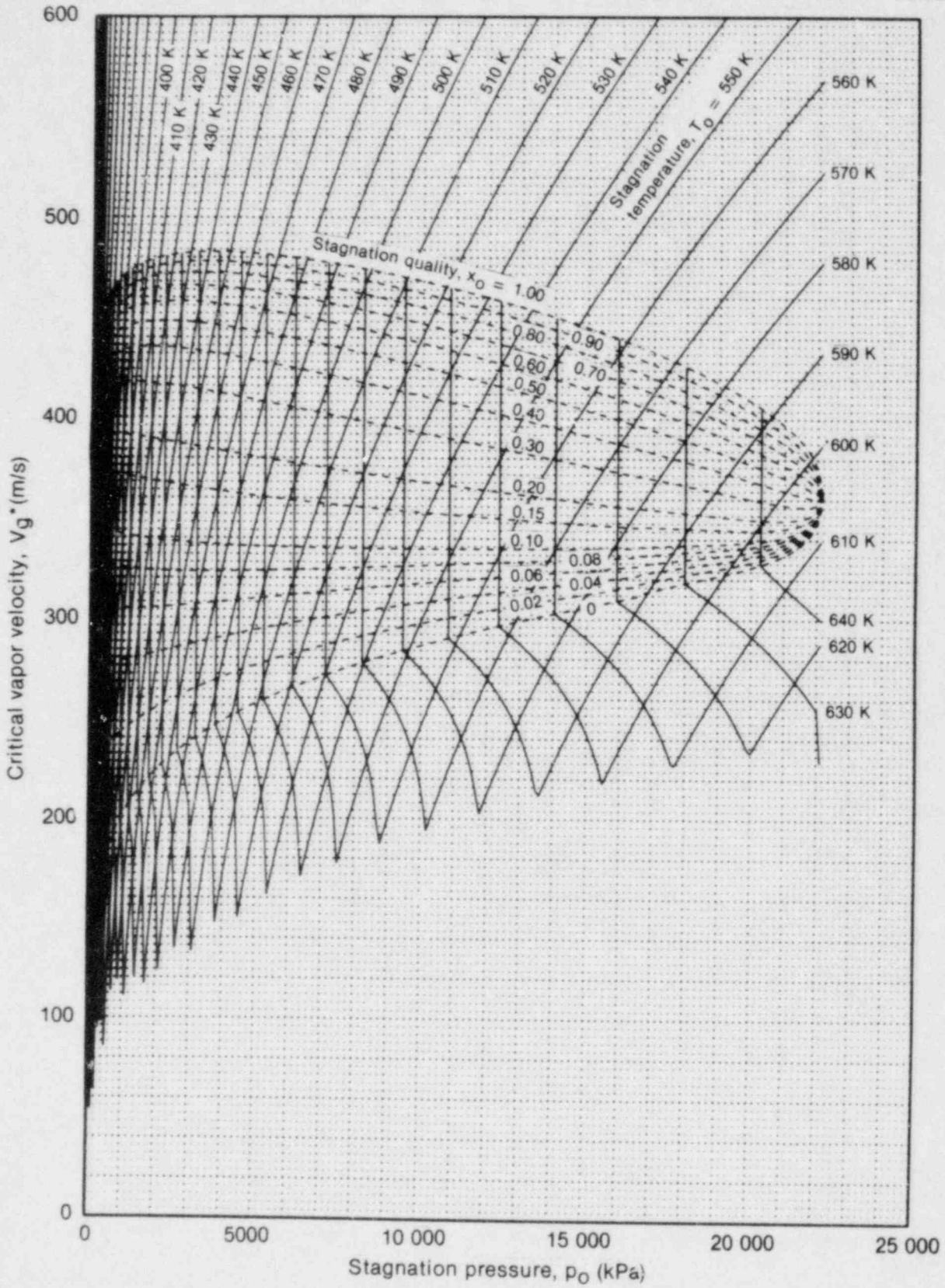

Figure B-12. Moody critical vapor velocity as a function of stagnation pressure (two-phase stagnation conditions).

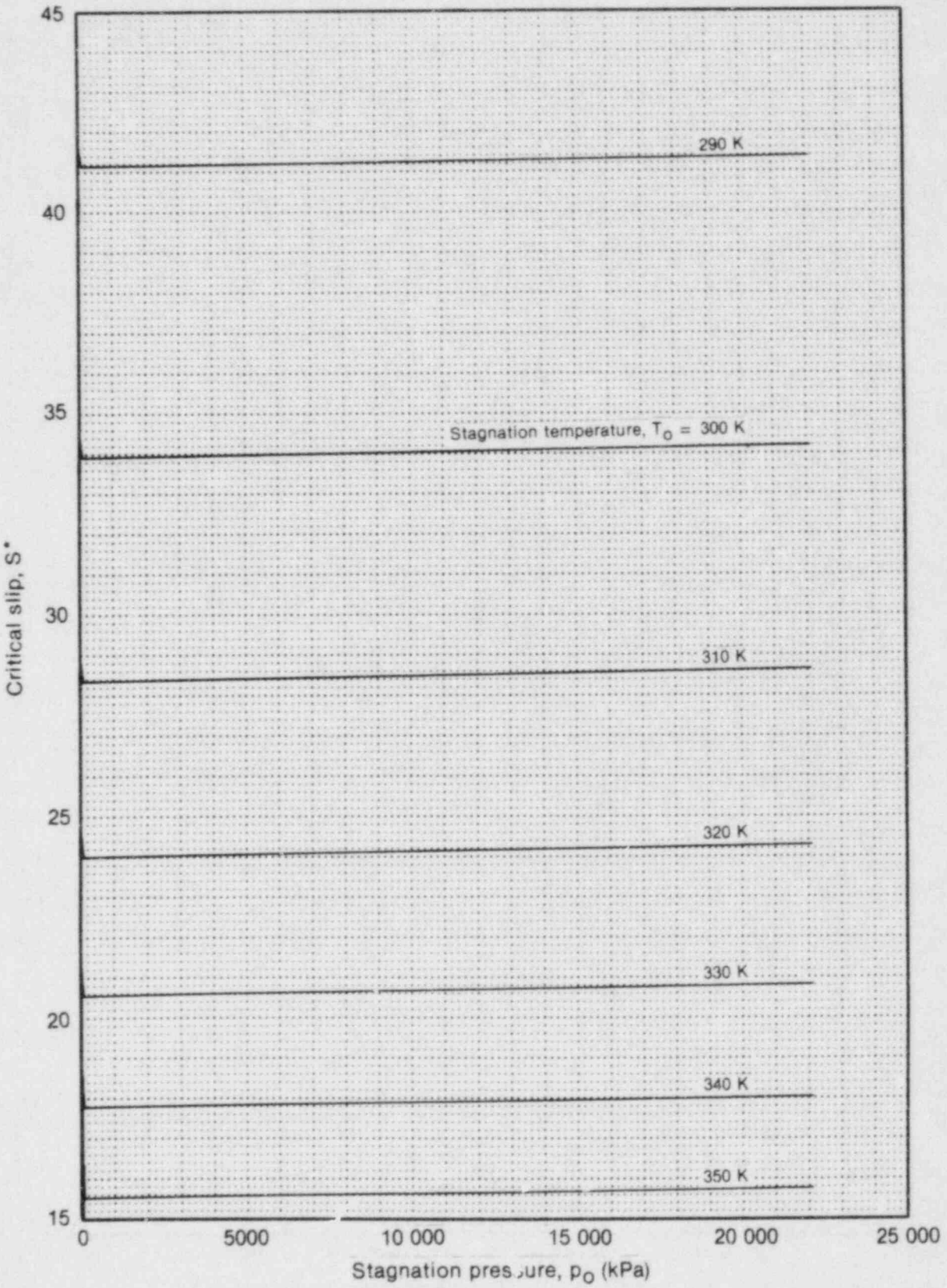

Figure B-13. Moody critical slip ratio as a function of stagnation pressure (subcooled stagnation conditions).

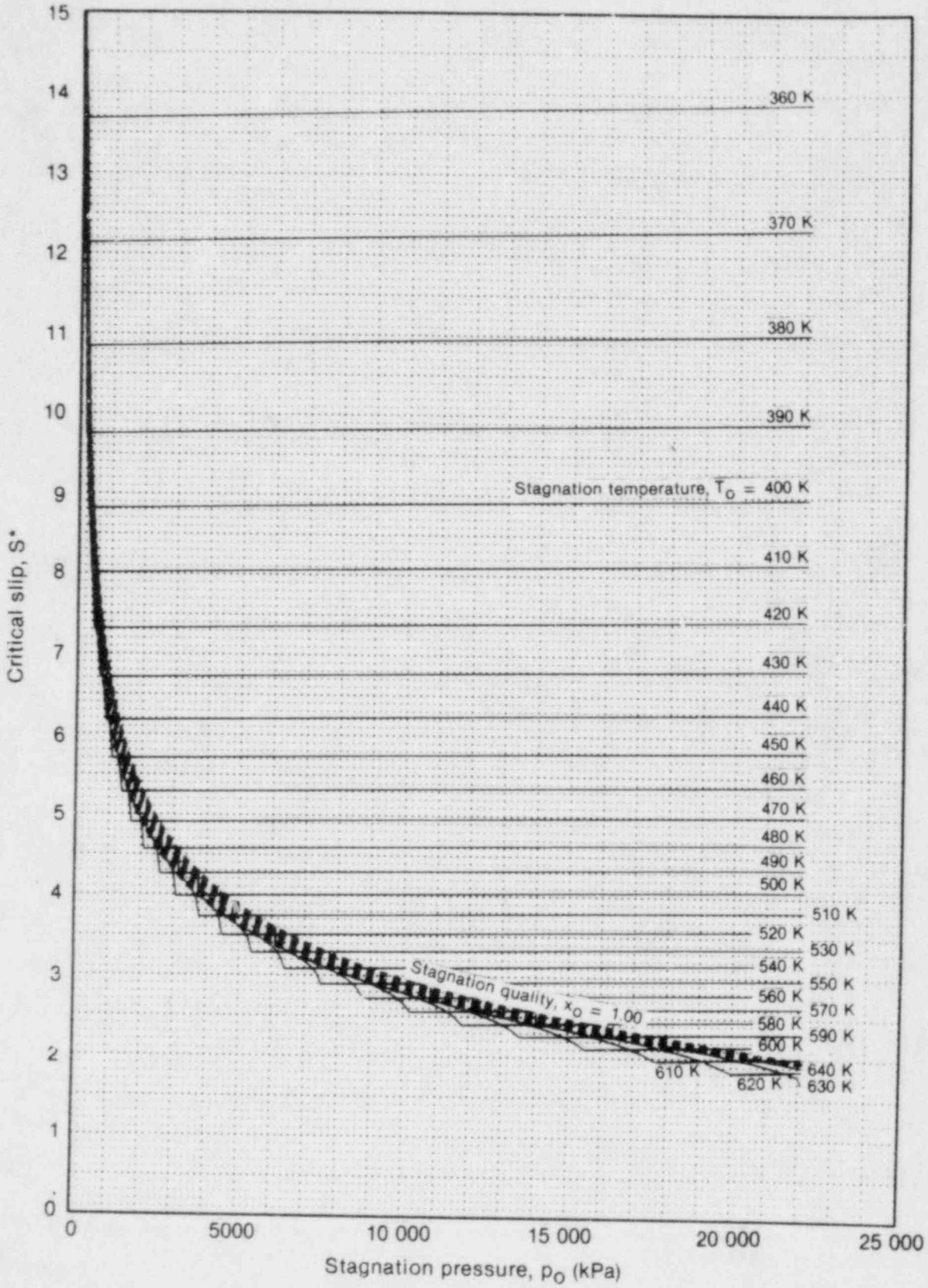

Figure B-14. Moody critical slip ratio as a function of stagnation pressure (saturated stagnation conditions).