0
13.82
ANL-CEN-RSD-82-4

Dr. 910
ANL-CEN-RSD-82-4

I-5867

MASTER

TABLES OF THERMODYNAMIC PROPERTIES
OF SODIUM

by

J. K. Fink

ARGONNE NATIONAL LABORATORY, ARGONNE, ILLINOIS

Prepared for the U. S. DEPARTMENT OF ENERGY
under Contract W-31-109-Eng-38

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

The facilities of Argonne National Laboratory are owned by the United States Government. Under the terms of a contract (W-31-109-Eng-38) among the U. S. Department of Energy, Argonne Universities Association and The University of Chicago, the University employs the staff and operates the Laboratory in accordance with policies and programs formulated, approved and reviewed by the Association.

MEMBERS OF ARGONNE UNIVERSITIES ASSOCIATION

The University of Arizona
Carnegie-Mellon University
Case Western Reserve University
The University of Chicago
University of Cincinnati
Illinois Institute of Technology
University of Illinois
Indiana University
The University of Iowa
Iowa State University

The University of Kansas
Kansas State University
Loyola University of Chicago
Marquette University
The University of Michigan
Michigan State University
University of Minnesota
University of Missouri
Northwestern University
University of Notre Dame

The Ohio State University
Ohio University
The Pennsylvania State University
Purdue University
Saint Louis University
Southern Illinois University
The University of Texas at Austin
Washington University
Wayne State University
The University of Wisconsin-Madison

NOTICE

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

Printed in the United States of America
Available from
National Technical Information Service
U. S. Department of Commerce
5285 Port Royal Road
Springfield, VA 22161

NTIS price codes
Printed copy: A11
Microfiche copy: A01

Distribution Category:
General, Miscellaneous, and
Progress Reports (Nuclear)
(UC-2)

ANL-CEN-RSD--82-4

ANL-CEN-RSD-82-4

DE83 000923

ARGONNE NATIONAL LABORATORY
9700 South Cass Avenue
Argonne, Illinois 60439

TABLES OF THERMODYNAMIC PROPERTIES OF SODIUM

by

J. K. Fink

Chemical Engineering Division

June 1982

DISCLAIMER

This report was prepared as part of work sponsored by the United States Government. It is therefore subject to the provisions of the Copyright Act of 1902 (Public Law 26-110) and of the Copyright Act of 1976 (Public Law 94-149) and of the Copyright Act of 1992 (Public Law 102-274). It is also subject to the provisions of the Atomic Energy Act of 1954 (Public Law 83-701) and of the Atomic Energy Act of 1980 (Public Law 96-462). It is not to be distributed outside the United States Government without the express written permission of the United States Government.

TABLES OF THERMODYNAMIC PROPERTIES OF SODIUM

Tabulated Values in SI Units

Saturated Sodium Liquid	1
Saturated Sodium Vapor	11
Superheated Sodium Vapor	21
Supercooled Sodium Liquid	63

Tabulated Values in CGS Units

Saturated Sodium Liquid	103
Saturated Sodium Vapor	113
Superheated Sodium Vapor	123
Supercooled Sodium Liquid	165

Tables of Thermodynamic Properties of Sodium

by

J. K. Fink

ABSTRACT

The thermodynamic properties of saturated sodium, superheated sodium, and subcooled sodium are tabulated as a function of temperature. The temperature ranges are 380-2508 K for saturated sodium, 500-2500 K for subcooled sodium, and 400-1600 K for superheated sodium. Tabulated thermodynamic properties are enthalpy, heat capacity, pressure, entropy, density, instantaneous thermal expansion coefficient, compressibility, and thermal pressure coefficient. Tables are given in SI units and cgs units.

The thermodynamic properties of saturated sodium liquid and vapor, superheated sodium vapor, and subcooled sodium liquid are tabulated as a function of temperature. These tables are revisions of those that have been previously reported in the reports "Thermophysical Properties of Sodium"¹ and "Computer Codes used in the Calculation of High-Temperature Thermodynamic Properties of Sodium"². Errors that existed in the headings of the old tables have been corrected. A complete discussion of the equations used to represent these functions, the analysis of the experimental data on which the recommended equations are based, the uncertainty in the calculated values, and graphs of the functions are contained in the report "Properties for Reactor Safety Analysis".³ The computer codes used to calculate these properties are described in the report "Computer Codes Used in the Calculation of High-Temperature Thermodynamic Properties of Sodium".² Tapes of these computer codes are available from the author.

These tabulated values of properties as functions of temperature have been closely spaced for convenience of the reactor safety analyst and experimenter who needs a quick reference for a property at a given temperature. The tables are arranged to give the thermodynamic properties of sodium in SI units and then again in cgs units. The order of the tables within one system of units is properties of saturated liquid, saturated vapor, superheated vapor, and subcooled liquid. The thermodynamic properties of subcooled sodium liquid and superheated sodium vapor are tabulated as a function of pressure at each temperature. For subcooled sodium, the temperature range is from 500 K through 2500 K. The temperature range for superheated vapor is limited to 400 K through 1600 K because the method used to calculate thermodynamic properties in the superheated region is limited to 1644 K.

Symbols used in the computer tabulated output are defined below along with the expression used to represent them in the report "Properties for Reactor Safety Analysis".

Symbols in Tabulated Output

<u>Symbol</u>	<u>Definition</u>
T	Temperature
H - H'(298)	Enthalpy at temperature T relative to the enthalpy at 298.15 K
CP	Heat capacity at constant pressure (C_p)
CV	Heat capacity at constant volume (C_v)
S	Entropy
P	Total pressure above sodium
DH	Heat of vaporization (ΔH_g)
RHO	Density (ρ)
ALPHAP	Instantaneous thermal expansion coefficient (α_p)
BETAS	Adiabatic compressibility (β_s)
BETAT	Isothermal compressibility (β_T)
GAMMAV	Thermal pressure coefficient $\left(\gamma_V = \frac{\alpha_p}{\beta_T} \right)$

**TABULATED THERMODYNAMIC PROPERTIES
IN SI UNITS**

PROPERTIES OF SATURATED SODIUM LIQUID

PROPERTIES OF SATURATED SODIUM LIQUID

T (K)	B-H(298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	P (MPa)	DH (KJ/MOL)	BRO (KG/B*3)	ALPHA (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMA (MPa/K)
380	5.035	31.82	28.70	65.60	2.548D-11	1.035D 02	9.254D 02	2.515D-04	1.723D-04	1.910D-04	1.316D 00
390	5.353	31.70	28.49	66.43	6.012D-11	1.034D 02	9.230D 02	2.524D-04	1.733D-04	1.929D-04	1.309D 00
400	5.669	31.58	28.28	67.23	1.358D-10	1.033D 02	9.207D 02	2.533D-04	1.744D-04	1.947D-04	1.301D 00
410	5.984	31.46	28.09	68.01	2.946D-10	1.032D 02	9.184D 02	2.542D-04	1.755D-04	1.965D-04	1.293D 00
420	6.298	31.35	27.89	68.76	6.157D-10	1.031D 02	9.160D 02	2.551D-04	1.765D-04	1.984D-04	1.286D 00
430	6.611	31.24	27.70	69.50	1.243D-09	1.029D 02	9.137D 02	2.560D-04	1.776D-04	2.003D-04	1.278D 00
440	6.923	31.14	27.51	70.22	2.428D-09	1.028D 02	9.114D 02	2.569D-04	1.787D-04	2.023D-04	1.270D 00
450	7.234	31.04	27.33	70.92	4.603D-09	1.027D 02	9.090D 02	2.579D-04	1.798D-04	2.042D-04	1.263D 00
460	7.544	30.94	27.15	71.60	8.484D-09	1.026D 02	9.067D 02	2.588D-04	1.810D-04	2.062D-04	1.255D 00
470	7.853	30.84	26.97	72.26	1.523D-08	1.024D 02	9.043D 02	2.597D-04	1.821D-04	2.082D-04	1.247D 00
480	8.161	30.75	26.80	72.91	2.666D-08	1.023D 02	9.020D 02	2.606D-04	1.832D-04	2.103D-04	1.239D 00
490	8.468	30.67	26.63	73.54	4.562D-08	1.022D 02	8.996D 02	2.616D-04	1.844D-04	2.123D-04	1.232D 00
500	8.774	30.58	26.46	74.16	7.635D-08	1.021D 02	8.973D 02	2.625D-04	1.856D-04	2.144D-04	1.224D 00
510	9.079	30.50	26.30	74.77	1.252D-07	1.019D 02	8.949D 02	2.634D-04	1.868D-04	2.166D-04	1.216D 00
520	9.384	30.42	26.14	75.36	2.014D-07	1.018D 02	8.926D 02	2.643D-04	1.879D-04	2.187D-04	1.209D 00
530	9.688	30.34	25.98	75.94	3.180D-07	1.016D 02	8.902D 02	2.653D-04	1.891D-04	2.209D-04	1.201D 00
540	9.991	30.27	25.82	76.50	4.936D-07	1.015D 02	8.878D 02	2.662D-04	1.904D-04	2.231D-04	1.193D 00
550	10.293	30.19	25.67	77.06	7.538D-07	1.013D 02	8.855D 02	2.671D-04	1.916D-04	2.253D-04	1.185D 00
560	10.595	30.12	25.52	77.60	1.134D-06	1.012D 02	8.831D 02	2.681D-04	1.928D-04	2.276D-04	1.178D 00
570	10.896	30.06	25.37	78.14	1.680D-06	1.010D 02	8.807D 02	2.690D-04	1.941D-04	2.299D-04	1.170D 00
580	11.196	29.99	25.23	78.66	2.455D-06	1.009D 02	8.784D 02	2.700D-04	1.954D-04	2.322D-04	1.162D 00
590	11.495	29.93	25.08	79.17	3.542D-06	1.007D 02	8.760D 02	2.709D-04	1.966D-04	2.346D-04	1.155D 00
600	11.794	29.87	24.94	79.67	5.047D-06	1.006D 02	8.736D 02	2.719D-04	1.979D-04	2.370D-04	1.147D 00
610	12.093	29.81	24.80	80.17	7.106D-06	1.004D 02	8.712D 02	2.728D-04	1.992D-04	2.394D-04	1.139D 00
620	12.390	29.75	24.67	80.65	9.893D-06	1.002D 02	8.689D 02	2.738D-04	2.006D-04	2.419D-04	1.132D 00
630	12.688	29.70	24.53	81.13	1.363D-05	1.001D 02	8.665D 02	2.747D-04	2.019D-04	2.444D-04	1.124D 00

PROPERTIES OF SATURATED SODIUM LIQUID

T (K)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	P (MPA)	DH (KJ/MOL)	RHO (KG/M**3)	ALPHAP (1/K)	BETAS (1/MPA)	BETAT (1/MPA)	GAMMAV (MPA/K)
640	12.984	29.64	24.40	81.59	1.858D-05	9.988D 01	8.641D 02	2.757D-04	2.032D-04	2.469D-04	1.117D 00
650	13.281	29.59	24.27	82.05	2.508D-05	9.971D 01	8.617D 02	2.766D-04	2.046D-04	2.494D-04	1.109D 00
660	13.576	29.54	24.15	82.50	3.355D-05	9.953D 01	8.593D 02	2.776D-04	2.060D-04	2.520D-04	1.101D 00
670	13.871	29.50	24.02	82.95	4.449D-05	9.934D 01	8.569D 02	2.785D-04	2.074D-04	2.547D-04	1.094D 00
680	14.166	29.45	23.90	83.38	5.849D-05	9.916D 01	8.546D 02	2.795D-04	2.088D-04	2.573D-04	1.086D 00
690	14.461	29.41	23.78	83.81	7.627D-05	9.897D 01	8.522D 02	2.805D-04	2.102D-04	2.600D-04	1.079D 00
700	14.754	29.37	23.66	84.24	9.869D-05	9.878D 01	8.498D 02	2.814D-04	2.116D-04	2.627D-04	1.071D 00
710	15.048	29.33	23.54	84.65	1.268D-04	9.859D 01	8.474D 02	2.824D-04	2.131D-04	2.655D-04	1.064D 00
720	15.341	29.29	23.43	85.06	1.617D-04	9.839D 01	8.450D 02	2.834D-04	2.146D-04	2.683D-04	1.056D 00
730	15.634	29.25	23.32	85.47	2.048D-04	9.820D 01	8.426D 02	2.843D-04	2.161D-04	2.711D-04	1.049D 00
740	15.926	29.22	23.20	85.87	2.577D-04	9.800D 01	8.402D 02	2.853D-04	2.176D-04	2.740D-04	1.041D 00
750	16.218	29.19	23.10	86.26	3.222D-04	9.780D 01	8.378D 02	2.863D-04	2.191D-04	2.769D-04	1.034D 00
760	16.510	29.16	22.99	86.64	4.005D-04	9.759D 01	8.354D 02	2.873D-04	2.206D-04	2.798D-04	1.027D 00
770	16.801	29.13	22.89	87.02	4.949D-04	9.739D 01	8.330D 02	2.882D-04	2.222D-04	2.828D-04	1.019D 00
780	17.092	29.10	22.78	87.40	6.083D-04	9.718D 01	8.306D 02	2.892D-04	2.238D-04	2.858D-04	1.012D 00
790	17.383	29.08	22.68	87.77	7.436D-04	9.698D 01	8.282D 02	2.902D-04	2.254D-04	2.889D-04	1.005D 00
800	17.674	29.05	22.59	88.14	9.043D-04	9.677D 01	8.258D 02	2.912D-04	2.270D-04	2.920D-04	9.973D-01
810	17.964	29.03	22.49	88.50	1.094D-03	9.656D 01	8.234D 02	2.922D-04	2.286D-04	2.951D-04	9.901D-01
820	18.255	29.01	22.40	88.85	1.318D-03	9.635D 01	8.210D 02	2.932D-04	2.303D-04	2.983D-04	9.828D-01
830	18.545	28.99	22.30	89.21	1.580D-03	9.613D 01	8.186D 02	2.942D-04	2.319D-04	3.015D-04	9.757D-01
840	18.835	28.98	22.21	89.55	1.886D-03	9.592D 01	8.162D 02	2.951D-04	2.336D-04	3.047D-04	9.685D-01
850	19.124	28.96	22.13	89.90	2.241D-03	9.571D 01	8.138D 02	2.961D-04	2.353D-04	3.080D-04	9.614D-01
860	19.414	28.95	22.04	90.23	2.653D-03	9.549D 01	8.114D 02	2.971D-04	2.371D-04	3.114D-04	9.543D-01
870	19.703	28.94	21.96	90.57	3.128D-03	9.528D 01	8.089D 02	2.981D-04	2.388D-04	3.148D-04	9.472D-01
880	19.993	28.93	21.87	90.90	3.673D-03	9.506D 01	8.065D 02	2.991D-04	2.406D-04	3.182D-04	9.402D-01
890	20.282	28.92	21.79	91.23	4.298D-03	9.485D 01	8.041D 02	3.002D-04	2.424D-04	3.217D-04	9.332D-01

PROPERTIES OF SATURATED SODIUM LIQUID

T (K)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	P (MPa)	DH (KJ/MOL)	RHO (KG/M**3)	ALPHAP (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMAV (MPa/K)
900	20.571	28.91	21.71	91.55	5.010D-03	9.463D 01	8.017D 02	3.012D-04	2.442D-04	3.252D-04	9.262D-01
910	20.860	28.91	21.64	91.87	5.821D-03	9.442D 01	7.993D 02	3.022D-04	2.460D-04	3.287D-04	9.192D-01
920	21.149	28.91	21.56	92.19	6.740D-03	9.420D 01	7.969D 02	3.032D-04	2.479D-04	3.323D-04	9.123D-01
930	21.438	28.90	21.49	92.50	7.780D-03	9.398D 01	7.945D 02	3.042D-04	2.498D-04	3.360D-04	9.055D-01
940	21.727	28.90	21.42	92.81	8.951D-03	9.377D 01	7.920D 02	3.052D-04	2.517D-04	3.397D-04	8.986D-01
950	22.017	28.90	21.35	93.11	1.027D-02	9.355D 01	7.896D 02	3.062D-04	2.536D-04	3.434D-04	8.918D-01
960	22.306	28.91	21.28	93.42	1.174D-02	9.333D 01	7.872D 02	3.073D-04	2.556D-04	3.472D-04	8.850D-01
970	22.595	28.91	21.22	93.72	1.339D-02	9.312D 01	7.848D 02	3.083D-04	2.576D-04	3.510D-04	8.783D-01
980	22.884	28.92	21.15	94.01	1.523D-02	9.290D 01	7.824D 02	3.093D-04	2.596D-04	3.549D-04	8.716D-01
990	23.173	28.93	21.09	94.31	1.728D-02	9.268D 01	7.799D 02	3.104D-04	2.616D-04	3.588D-04	8.649D-01
1000	23.463	28.94	21.03	94.60	1.955D-02	9.247D 01	7.775D 02	3.114D-04	2.637D-04	3.628D-04	8.583D-01
1010	23.752	28.95	20.97	94.89	2.206D-02	9.225D 01	7.751D 02	3.124D-04	2.658D-04	3.668D-04	8.517D-01
1020	24.042	28.96	20.92	95.17	2.484D-02	9.204D 01	7.727D 02	3.135D-04	2.679D-04	3.709D-04	8.452D-01
1030	24.331	28.97	20.86	95.45	2.789D-02	9.182D 01	7.703D 02	3.145D-04	2.701D-04	3.751D-04	8.386D-01
1040	24.621	28.99	20.81	95.73	3.126D-02	9.161D 01	7.678D 02	3.156D-04	2.723D-04	3.792D-04	8.321D-01
1050	24.911	29.01	20.76	96.01	3.495D-02	9.139D 01	7.654D 02	3.166D-04	2.745D-04	3.835D-04	8.257D-01
1060	25.202	29.03	20.71	96.29	3.899D-02	9.118D 01	7.630D 02	3.177D-04	2.767D-04	3.878D-04	8.193D-01
1070	25.492	29.05	20.67	96.56	4.340D-02	9.096D 01	7.606D 02	3.188D-04	2.790D-04	3.921D-04	8.129D-01
1080	25.783	29.07	20.62	96.83	4.822D-02	9.075D 01	7.581D 02	3.198D-04	2.813D-04	3.965D-04	8.065D-01
1090	26.074	29.09	20.58	97.10	5.347D-02	9.053D 01	7.557D 02	3.209D-04	2.836D-04	4.010D-04	8.002D-01
1100	26.365	29.12	20.54	97.36	5.917D-02	9.032D 01	7.533D 02	3.220D-04	2.860D-04	4.055D-04	7.940D-01
1110	26.656	29.14	20.50	97.63	6.536D-02	9.010D 01	7.509D 02	3.230D-04	2.884D-04	4.101D-04	7.877D-01
1120	26.946	29.17	20.46	97.89	7.206D-02	8.989D 01	7.485D 02	3.241D-04	2.908D-04	4.147D-04	7.815D-01
1130	27.240	29.20	20.42	98.15	7.931D-02	8.967D 01	7.460D 02	3.252D-04	2.933D-04	4.194D-04	7.753D-01
1140	27.532	29.23	20.39	98.40	8.714D-02	8.946D 01	7.436D 02	3.263D-04	2.958D-04	4.242D-04	7.692D-01
1150	27.825	29.27	20.35	98.66	9.558D-02	8.925D 01	7.412D 02	3.274D-04	2.984D-04	4.290D-04	7.631D-01

PROPERTIES OF SATURATED SODIUM LIQUID

T (K)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	P (MPA)	DH (KJ/MOL)	BHO (KG/M**3)	ALPHA P (1/K)	BETAS (1/MPA)	BETAT (1/MPA)	GAMMA V (MPA/K)
1160	28.118	29.30	20.32	98.91	1.047D-01	8.903D 01	7.388D 02	3.285D-04	3.009D-04	4.339D-04	7.571D-01
1170	28.411	29.34	20.29	99.16	1.144D-01	8.882D 01	7.363D 02	3.296D-04	3.036D-04	4.388D-04	7.510D-01
1180	28.705	29.37	20.27	99.41	1.249D-01	8.860D 01	7.339D 02	3.307D-04	3.061D-04	4.438D-04	7.450D-01
1190	28.999	29.41	20.24	99.66	1.361D-01	8.839D 01	7.315D 02	3.318D-04	3.089D-04	4.489D-04	7.391D-01
1200	29.298	29.45	20.22	99.91	1.482D-01	8.817D 01	7.291D 02	3.329D-04	3.117D-04	4.541D-04	7.332D-01
1210	29.589	29.50	20.19	100.15	1.610D-01	8.795D 01	7.266D 02	3.340D-04	3.145D-04	4.593D-04	7.273D-01
1220	29.884	29.54	20.17	100.40	1.748D-01	8.774D 01	7.242D 02	3.352D-04	3.173D-04	4.646D-04	7.214D-01
1230	30.180	29.58	20.15	100.64	1.894D-01	8.752D 01	7.218D 02	3.363D-04	3.202D-04	4.699D-04	7.156D-01
1240	30.476	29.63	20.14	100.88	2.050D-01	8.730D 01	7.194D 02	3.374D-04	3.231D-04	4.754D-04	7.098D-01
1250	30.773	29.68	20.12	101.11	2.216D-01	8.709D 01	7.170D 02	3.386D-04	3.260D-04	4.809D-04	7.041D-01
1260	31.071	29.73	20.11	101.35	2.392D-01	8.687D 01	7.145D 02	3.397D-04	3.291D-04	4.865D-04	6.984D-01
1270	31.368	29.78	20.10	101.59	2.579D-01	8.665D 01	7.121D 02	3.409D-04	3.321D-04	4.921D-04	6.927D-01
1280	31.667	29.83	20.09	101.82	2.777D-01	8.643D 01	7.097D 02	3.420D-04	3.352D-04	4.979D-04	6.870D-01
1290	31.966	29.89	20.08	102.05	2.987D-01	8.620D 01	7.073D 02	3.432D-04	3.384D-04	5.037D-04	6.814D-01
1300	32.265	29.94	20.07	102.28	3.209D-01	8.598D 01	7.049D 02	3.444D-04	3.416D-04	5.096D-04	6.758D-01
1310	32.565	30.00	20.07	102.51	3.444D-01	8.576D 01	7.024D 02	3.456D-04	3.449D-04	5.156D-04	6.703D-01
1320	32.866	30.06	20.06	102.74	3.691D-01	8.553D 01	7.000D 02	3.468D-04	3.482D-04	5.216D-04	6.647D-01
1330	33.168	30.12	20.06	102.97	3.953D-01	8.531D 01	6.976D 02	3.479D-04	3.516D-04	5.278D-04	6.593D-01
1340	33.469	30.18	20.06	103.19	4.228D-01	8.508D 01	6.952D 02	3.491D-04	3.550D-04	5.340D-04	6.538D-01
1350	33.772	30.24	20.06	103.42	4.518D-01	8.485D 01	6.928D 02	3.504D-04	3.585D-04	5.404D-04	6.484D-01
1360	34.075	30.31	20.07	103.64	4.823D-01	8.462D 01	6.903D 02	3.516D-04	3.621D-04	5.468D-04	6.430D-01
1370	34.379	30.37	20.07	103.86	5.144D-01	8.439D 01	6.879D 02	3.528D-04	3.657D-04	5.533D-04	6.376D-01
1380	34.684	30.44	20.08	104.08	5.480D-01	8.415D 01	6.855D 02	3.540D-04	3.694D-04	5.599D-04	6.323D-01
1390	34.989	30.51	20.09	104.30	5.833D-01	8.392D 01	6.831D 02	3.553D-04	3.731D-04	5.667D-04	6.270D-01
1400	35.295	30.58	20.10	104.52	6.203D-01	8.368D 01	6.807D 02	3.565D-04	3.769D-04	5.735D-04	6.217D-01
1410	35.602	30.65	20.11	104.74	6.591D-01	8.344D 01	6.783D 02	3.578D-04	3.808D-04	5.804D-04	6.164D-01

PROPERTIES OF SATURATED SODIUM LIQUID

T (K)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	P (MPA)	DH (KJ/MOL)	RHO (KG/M**3)	ALPHAP (1/K)	BETAS (1/MPA)	BETAT (1/MPA)	GAHHAV (MPA/K)
1420	35.910	30.73	20.13	104.95	6.997D-01	8.320D 01	6.759D 02	3.590D-04	3.848D-04	5.874D-04	6.112D-01
1430	36.218	30.80	20.14	105.17	7.421D-01	8.296D 01	6.735D 02	3.603D-04	3.888D-04	5.946D-04	6.060D-01
1440	36.527	30.88	20.16	105.38	7.864D-01	8.272D 01	6.711D 02	3.616D-04	3.929D-04	6.018D-04	6.008D-01
1450	36.837	30.96	20.18	105.60	8.327D-01	8.247D 01	6.686D 02	3.629D-04	3.971D-04	6.092D-04	5.957D-01
1460	37.148	31.04	20.20	105.81	8.810D-01	8.222D 01	6.662D 02	3.642D-04	4.014D-04	6.167D-04	5.906D-01
1470	37.459	31.12	20.22	106.02	9.314D-01	8.197D 01	6.638D 02	3.655D-04	4.057D-04	6.243D-04	5.855D-01
1480	37.772	31.20	20.25	106.23	9.839D-01	8.172D 01	6.614D 02	3.668D-04	4.101D-04	6.320D-04	5.804D-01
1490	38.085	31.29	20.28	106.44	1.039D 00	8.147D 01	6.590D 02	3.681D-04	4.146D-04	6.398D-04	5.753D-01
1500	38.399	31.37	20.30	106.65	1.095D 00	8.121D 01	6.566D 02	3.695D-04	4.193D-04	6.478D-04	5.704D-01
1510	38.714	31.46	20.33	106.86	1.155D 00	8.095D 01	6.542D 02	3.708D-04	4.240D-04	6.559D-04	5.654D-01
1520	39.030	31.55	20.37	107.07	1.216D 00	8.069D 01	6.518D 02	3.722D-04	4.287D-04	6.641D-04	5.604D-01
1530	39.347	31.64	20.40	107.27	1.280D 00	8.043D 01	6.494D 02	3.736D-04	4.336D-04	6.725D-04	5.554D-01
1540	39.665	31.73	20.44	107.48	1.346D 00	8.016D 01	6.470D 02	3.749D-04	4.386D-04	6.811D-04	5.505D-01
1550	39.984	31.83	20.47	107.68	1.415D 00	7.990D 01	6.446D 02	3.763D-04	4.437D-04	6.897D-04	5.456D-01
1560	40.304	31.92	20.51	107.89	1.486D 00	7.963D 01	6.422D 02	3.777D-04	4.489D-04	6.986D-04	5.407D-01
1570	40.625	32.02	20.56	108.09	1.560D 00	7.936D 01	6.398D 02	3.792D-04	4.542D-04	7.075D-04	5.359D-01
1580	40.946	32.12	20.60	108.30	1.637D 00	7.908D 01	6.375D 02	3.806D-04	4.597D-04	7.167D-04	5.310D-01
1590	41.269	32.22	20.65	108.50	1.716D 00	7.881D 01	6.351D 02	3.820D-04	4.652D-04	7.260D-04	5.262D-01
1600	41.593	32.32	20.69	108.70	1.798D 00	7.853D 01	6.327D 02	3.835D-04	4.709D-04	7.354D-04	5.214D-01
1610	41.918	32.42	20.74	108.90	1.883D 00	7.825D 01	6.303D 02	3.849D-04	4.767D-04	7.451D-04	5.166D-01
1620	42.244	32.53	20.79	109.10	1.970D 00	7.797D 01	6.279D 02	3.864D-04	4.826D-04	7.549D-04	5.119D-01
1630	42.571	32.63	20.85	109.30	2.061D 00	7.769D 01	6.255D 02	3.879D-04	4.887D-04	7.649D-04	5.071D-01
1640	42.899	32.74	20.90	109.50	2.154D 00	7.740D 01	6.231D 02	3.894D-04	4.949D-04	7.751D-04	5.024D-01
1650	43.228	32.85	20.96	109.70	2.251D 00	7.711D 01	6.208D 02	3.910D-04	5.012D-04	7.855D-04	4.977D-01
1660	43.559	32.97	21.02	109.90	2.350D 00	7.682D 01	6.184D 02	3.925D-04	5.077D-04	7.962D-04	4.930D-01
1670	43.890	33.08	21.08	110.09	2.453D 00	7.653D 01	6.160D 02	3.942D-04	5.143D-04	8.071D-04	4.884D-01

PROPERTIES OF SATURATED SODIUM LIQUID

T (K)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	P (MPa)	DH (KJ/MOL)	RHO (KG/M**3)	ALPHA P (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMA V (MPa/K)
1680	44.223	33.20	21.14	110.29	2.558D 00	7.623D 01	6.136D 02	3.959D-04	5.212D-04	8.183D-04	4.838D-01
1690	44.557	33.32	21.21	110.48	2.667D 00	7.594D 01	6.113D 02	3.976D-04	5.281D-04	8.298D-04	4.792D-01
1700	44.892	33.44	21.27	110.68	2.779D 00	7.564D 01	6.089D 02	3.995D-04	5.353D-04	8.415D-04	4.747D-01
1710	45.229	33.57	21.34	110.87	2.895D 00	7.533D 01	6.065D 02	4.013D-04	5.426D-04	8.536D-04	4.702D-01
1720	45.566	33.70	21.41	111.07	3.013D 00	7.503D 01	6.041D 02	4.033D-04	5.501D-04	8.660D-04	4.657D-01
1730	45.905	33.83	21.47	111.26	3.135D 00	7.472D 01	6.018D 02	4.053D-04	5.578D-04	8.788D-04	4.612D-01
1740	46.246	33.97	21.54	111.46	3.261D 00	7.441D 01	5.994D 02	4.074D-04	5.657D-04	8.919D-04	4.568D-01
1750	46.588	34.10	21.62	111.65	3.390D 00	7.410D 01	5.970D 02	4.096D-04	5.738D-04	9.054D-04	4.524D-01
1760	46.931	34.25	21.69	111.84	3.522D 00	7.378D 01	5.946D 02	4.119D-04	5.822D-04	9.192D-04	4.481D-01
1770	47.275	34.39	21.76	112.03	3.658D 00	7.346D 01	5.923D 02	4.142D-04	5.907D-04	9.335D-04	4.437D-01
1780	47.622	34.54	21.84	112.23	3.797D 00	7.314D 01	5.899D 02	4.166D-04	5.995D-04	9.482D-04	4.394D-01
1790	47.969	34.69	21.92	112.42	3.941D 00	7.282D 01	5.875D 02	4.192D-04	6.085D-04	9.633D-04	4.351D-01
1800	48.318	34.85	21.99	112.61	4.087D 00	7.249D 01	5.851D 02	4.218D-04	6.178D-04	9.789D-04	4.309D-01
1810	48.669	35.01	22.07	112.80	4.238D 00	7.216D 01	5.827D 02	4.245D-04	6.274D-04	9.950D-04	4.267D-01
1820	49.021	35.17	22.16	112.99	4.392D 00	7.182D 01	5.803D 02	4.274D-04	6.372D-04	1.012D-03	4.225D-01
1830	49.375	35.34	22.24	113.18	4.550D 00	7.149D 01	5.780D 02	4.303D-04	6.473D-04	1.029D-03	4.183D-01
1840	49.731	35.52	22.33	113.37	4.712D 00	7.115D 01	5.756D 02	4.333D-04	6.577D-04	1.046D-03	4.141D-01
1850	50.088	35.70	22.41	113.56	4.878D 00	7.080D 01	5.732D 02	4.365D-04	6.685D-04	1.065D-03	4.100D-01
1860	50.447	35.88	22.50	113.75	5.047D 00	7.045D 01	5.708D 02	4.398D-04	6.795D-04	1.083D-03	4.059D-01
1870	50.808	36.07	22.59	113.94	5.221D 00	7.010D 01	5.684D 02	4.433D-04	6.910D-04	1.103D-03	4.019D-01
1880	51.171	36.26	22.69	114.13	5.399D 00	6.975D 01	5.659D 02	4.468D-04	7.027D-04	1.123D-03	3.978D-01
1890	51.536	36.46	22.78	114.32	5.580D 00	6.939D 01	5.635D 02	4.506D-04	7.149D-04	1.144D-03	3.938D-01
1900	51.903	36.67	22.88	114.51	5.766D 00	6.903D 01	5.611D 02	4.544D-04	7.274D-04	1.166D-03	3.898D-01
1910	52.271	36.88	22.98	114.70	5.955D 00	6.866D 01	5.587D 02	4.585D-04	7.404D-04	1.188D-03	3.858D-01
1920	52.642	37.10	23.08	114.89	6.149D 00	6.829D 01	5.562D 02	4.627D-04	7.538D-04	1.212D-03	3.818D-01
1930	53.015	37.33	23.19	115.08	6.347D 00	6.791D 01	5.538D 02	4.671D-04	7.677D-04	1.236D-03	3.779D-01

PROPERTIES OF SATURATED SODIUM LIQUID

T (K)	H-L (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	P (MPa)	DH (KJ/MOL)	RHO (KG/M**3)	ALPHA (1/K)	BETA (1/MPa)	BETA1 (1/MPa)	GAMMA (MPa/K)
1940	53.390	37.56	23.29	115.27	6.549D 00	6.753D 01	5.513D 02	4.716D-04	7.821D-04	1.261D-03	3.740D-01
1950	53.768	37.80	23.40	115.46	6.755D 00	6.715D 01	5.489D 02	4.764D-04	7.969D-04	1.287E-03	3.701D-01
1960	54.148	38.05	23.51	115.65	6.966D 00	6.676D 01	5.464D 02	4.814D-04	8.124D-04	1.315D-03	3.662D-01
1970	54.530	38.31	23.63	115.84	7.181D 00	6.636D 01	5.439D 02	4.866D-04	8.284D-04	1.343D-03	3.623D-01
1980	54.915	38.58	23.75	116.03	7.400D 00	6.597D 01	5.414D 02	4.920D-04	8.450D-04	1.373D-03	3.585D-01
1990	55.302	38.85	23.87	116.22	7.623D 00	6.556D 01	5.389D 02	4.977D-04	8.622D-04	1.404D-03	3.546D-01
2000	55.692	39.14	23.99	116.41	7.851D 00	6.515D 01	5.364D 02	5.037D-04	8.801D-04	1.436D-03	3.508D-01
2010	56.085	39.44	24.12	116.60	8.083D 00	6.474D 01	5.339D 02	5.099D-04	8.987D-04	1.469D-03	3.470D-01
2020	56.480	39.74	24.25	116.79	8.320D 00	6.432D 01	5.313D 02	5.165D-04	9.181D-04	1.505D-03	3.432D-01
2030	56.879	40.06	24.38	116.98	8.560D 00	6.369D 01	5.288D 02	5.233D-04	9.383D-04	1.542D-03	3.394D-01
2040	57.280	40.40	24.52	117.17	8.806D 00	6.346D 01	5.262D 02	5.305D-04	9.594D-04	1.580D-03	3.357D-01
2050	57.685	40.74	24.66	117.37	9.056D 00	6.302D 01	5.236D 02	5.380D-04	9.814D-04	1.621D-03	3.319D-01
2060	58.093	41.10	24.81	117.56	9.310D 00	6.257D 01	5.210D 02	5.459D-04	1.004D-03	1.664D-03	3.282D-01
2070	58.504	41.47	24.96	117.75	9.569D 00	6.212D 01	5.183D 02	5.543D-04	1.028D-03	1.708D-03	3.244D-01
2080	58.919	41.86	25.12	117.95	9.832D 00	6.166D 01	5.157D 02	5.630D-04	1.053D-03	1.756D-03	3.207D-01
2090	59.337	42.27	25.28	118.14	1.010D 01	6.120D 01	5.130D 02	5.723D-04	1.080D-03	1.805D-03	3.170D-01
2100	59.760	42.70	25.45	118.34	1.037D 01	6.072D 01	5.103D 02	5.820D-04	1.107D-03	1.858D-03	3.133D-01
2110	60.186	43.14	25.62	118.53	1.065D 01	6.024D 01	5.076D 02	5.923D-04	1.136D-03	1.913D-03	3.095D-01
2120	60.616	43.61	25.80	118.73	1.093D 01	5.975D 01	5.049D 02	6.031D-04	1.167D-03	1.972D-03	3.058D-01
2130	61.051	44.09	25.98	118.93	1.122D 01	5.925D 01	5.021D 02	6.146D-04	1.199D-03	2.035D-03	3.021D-01
2140	61.490	44.61	26.18	119.13	1.151D 01	5.874D 01	4.993D 02	6.268D-04	1.233D-03	2.101D-03	2.984D-01
2150	61.934	45.14	26.38	119.33	1.181D 01	5.823D 01	4.964D 02	6.397D-04	1.268D-03	2.171D-03	2.947D-01
2160	62.383	45.71	26.58	119.53	1.211D 01	5.770D 01	4.936D 02	6.534D-04	1.306D-03	2.246D-03	2.909D-01
2170	62.837	46.31	26.80	119.74	1.241D 01	5.716D 01	4.907D 02	6.680D-04	1.346D-03	2.326D-03	2.872D-01
2180	63.296	46.94	27.03	119.94	1.272D 01	5.661D 01	4.877D 02	6.835D-04	1.388D-03	2.411D-03	2.834D-01
2190	63.761	47.60	27.26	120.15	1.304D 01	5.605D 01	4.847D 02	7.000D-04	1.433D-03	2.503D-03	2.797D-01

PROPERTIES OF SATURATED SODIUM LIQUID

T (K)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	P (MPa)	DH (KJ/MOL)	RHO (KG/M**3)	ALPHA P (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMA V (MPa/K)
2200	64.232	48.30	27.51	120.35	1.335D 01	5.548D 01	4.817D 02	7.177D-04	1.481D-03	2.601D-03	2.759D-01
2210	64.709	49.05	27.77	120.56	1.368D 01	5.490D 01	4.786D 02	7.366D-04	1.533D-03	2.707D-03	2.721D-01
2220	65.193	49.84	28.04	120.77	1.401D 01	5.430D 01	4.755D 02	7.569D-04	1.587D-03	2.821D-03	2.683D-01
2230	65.685	50.69	28.33	120.99	1.434D 01	5.369D 01	4.723D 02	7.787D-04	1.646D-03	2.945D-03	2.645D-01
2240	66.183	51.59	28.63	121.20	1.468D 01	5.306D 01	4.691D 02	8.023D-04	1.709D-03	3.079D-03	2.606D-01
2250	66.690	52.55	28.96	121.42	1.502D 01	5.242D 01	4.658D 02	8.277D-04	1.777D-03	3.224D-03	2.567D-01
2260	67.205	53.58	29.30	121.64	1.537D 01	5.176D 01	4.624D 02	8.551D-04	1.850D-03	3.383D-03	2.527D-01
2270	67.729	54.70	29.66	121.87	1.572D 01	5.108D 01	4.589D 02	8.850D-04	1.929D-03	3.558D-03	2.488D-01
2280	68.263	55.89	30.05	122.09	1.608D 01	5.038D 01	4.554D 02	9.176D-04	2.015D-03	3.749D-03	2.447D-01
2290	68.808	57.19	30.46	122.32	1.645D 01	4.967D 01	4.518D 02	9.531D-04	2.110D-03	3.961D-03	2.406D-01
2300	69.363	58.60	30.91	122.56	1.681D 01	4.893D 01	4.481D 02	9.921D-04	2.213D-03	4.195D-03	2.365D-01
2310	69.931	60.13	31.39	122.80	1.719D 01	4.816D 01	4.443D 02	1.035D-03	2.326D-03	4.456D-03	2.323D-01
2320	70.512	61.81	31.91	123.04	1.756D 01	4.737D 01	4.404D 02	1.083D-03	2.452D-03	4.749D-03	2.280D-01
2330	71.108	63.66	32.48	123.29	1.794D 01	4.655D 01	4.364D 02	1.136D-03	2.591D-03	5.079D-03	2.236D-01
2340	71.719	65.70	33.10	123.54	1.833D 01	4.570D 01	4.322D 02	1.195D-03	2.747D-03	5.452D-03	2.192D-01
2350	72.348	67.97	33.78	123.80	1.872D 01	4.481D 01	4.279D 02	1.262D-03	2.922D-03	5.879D-03	2.146D-01
2360	72.996	70.51	34.54	124.06	1.912D 01	4.388D 01	4.234D 02	1.337D-03	3.121D-03	6.371D-03	2.099D-01
2370	73.665	73.38	35.39	124.34	1.952D 01	4.291D 01	4.187D 02	1.424D-03	3.349D-03	6.943D-03	2.050D-01
2380	74.359	76.64	36.35	124.62	1.993D 01	4.190D 01	4.138D 02	1.523D-03	3.611D-03	7.615D-03	2.000D-01
2390	75.080	80.39	37.43	124.91	2.034D 01	4.083D 01	4.086D 02	1.639D-03	3.918D-03	8.413D-03	1.949D-01
2400	75.832	84.75	38.69	125.22	2.076D 01	3.969D 01	4.032D 02	1.777D-03	4.280D-03	9.377D-03	1.895D-01
2410	76.621	89.89	40.15	125.53	2.118D 01	3.849D 01	3.975D 02	1.941D-03	4.716D-03	1.056D-02	1.838D-01
2420	77.452	96.05	41.88	125.87	2.160D 01	3.719D 01	3.913D 02	2.142D-03	5.248D-03	1.204D-02	1.779D-01
2430	78.335	103.59	43.98	126.22	2.204D 01	3.580D 01	3.847D 02	2.392D-03	5.915D-03	1.393D-02	1.716D-01
2440	79.279	113.05	46.57	126.60	2.247D 01	3.428D 01	3.775D 02	2.712D-03	6.774D-03	1.644D-02	1.650D-01
2450	80.302	125.34	49.90	127.01	2.291D 01	3.261D 01	3.696D 02	3.138D-03	7.922D-03	1.990D-02	1.577D-01

∞

PROPERTIES OF SATURATED SODIUM LIQUID

T (K)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	P (MPA)	DH (KJ/MOL)	RHO (KG/M**3)	ALPHAP (1/K)	BETAS (1/MPA)	BETAT (1/MPA)	GAMMAV (MPA/K)
2460	81.426	142.01	54.35	127.45	2.336D 01	3.073D 01	3.608D 02	3.732D-03	9.533D-03	2.491D-02	1.496D-01
2470	82.690	166.13	60.65	127.95	2.381D 01	2.857D 01	3.506D 02	4.619D-03	1.196D-02	3.276D-02	1.410D-01
2480	84.160	204.65	70.47	128.54	2.427D 01	2.600D 01	3.385D 02	6.091D-03	1.604D-02	4.658D-02	1.308D-01
2490	85.971	277.68	88.44	129.25	2.473D 01	2.275D 01	3.232D 02	9.030D-03	2.431D-02	7.632D-02	1.183D-01
2500	88.516	482.89	135.77	130.26	2.519D 01	1.803D 01	3.009D 02	1.799D-02	5.006D-02	1.780D-01	1.010D-01
2508	92.742	2289.02	471.35	131.99	2.557D 01	9.874D 00	2.622D 02	1.141D-01	3.246D-01	1.576D 00	7.240D-02

PROPERTIES OF SATURATED SODIUM VAPOR

PROPERTIES OF SATURATED SODIUM VAPOR

T (K)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	P (MPA)	BEQ (KG/M**3)	ALPHA (1/K)	BETAS (1/MPA)	BETAT (1/MPA)	GAMMA (MPA/K)
380	108.57	22.72	14.43	338.07	2.548D-11	1.895D-10	2.658D-03	2.494D 10	3.928D 10	6.766D-14
390	108.77	23.10	14.77	331.60	6.012D-11	4.358D-10	2.595D-03	1.065D 10	1.665D 10	1.559D-13
400	108.97	23.52	15.16	325.48	1.358D-10	9.601D-10	2.537D-03	4.751D 09	7.372D 09	3.441D-13
410	109.17	23.99	15.58	319.67	2.946D-10	2.033D-09	2.482D-03	2.207D 09	3.398D 09	7.304D-13
420	109.36	24.50	16.05	314.15	6.157D-10	4.149D-09	2.431D-03	1.065D 09	1.626D 09	1.495D-12
430	109.55	25.07	16.55	308.90	1.243D-09	8.184D-09	2.383D-03	5.321D 08	8.059D 08	2.957D-12
440	109.74	25.68	17.10	303.90	2.428D-09	1.563D-08	2.339D-03	2.747D 08	4.125D 08	5.670D-12
450	109.93	26.34	17.69	299.13	4.603D-09	2.900D-08	2.297D-03	1.462D 06	2.177D 08	1.056D-11
460	110.11	27.04	18.31	294.58	8.484D-09	5.230D-08	2.259D-03	7.998D 07	1.181D 08	1.912D-11
470	110.30	27.79	18.97	290.23	1.523D-08	9.193D-08	2.223D-03	4.494D 07	6.584D 07	3.376D-11
480	110.48	28.58	19.66	286.07	2.666D-08	1.577D-07	2.189D-03	2.588D 07	3.761D 07	5.820D-11
490	110.65	29.41	20.39	282.08	4.562D-08	2.644D-07	2.158D-03	1.525D 07	2.199D 07	9.811D-11
500	110.82	30.27	21.14	278.26	7.635D-08	4.340D-07	2.129D-03	9.180D 06	1.315D 07	1.619D-10
510	110.99	31.17	21.91	274.60	1.252D-07	6.981D-07	2.102D-03	5.640D 05	8.021D 06	2.621D-10
520	111.16	32.09	22.71	271.08	2.014D-07	1.102D-06	2.077D-03	3.531D 06	4.990D 06	4.162D-10
530	111.32	33.04	23.53	267.70	3.183D-07	1.709D-06	2.054D-03	2.251D 06	3.161D 06	6.496D-10
540	111.48	34.02	24.36	264.45	4.936D-07	2.605D-06	2.032D-03	1.459D 06	2.038D 06	9.972D-10
550	111.64	35.01	25.20	261.32	7.538D-07	3.909D-06	2.012D-03	9.611D 05	1.335D 06	1.507D-09
560	111.79	36.02	26.05	258.31	1.134D-06	5.777D-06	1.994D-03	6.426D 05	8.085D 05	2.244D-09
570	111.94	37.04	26.90	255.40	1.680D-06	8.419D-06	1.976D-03	4.358D 05	6.000D 05	3.294D-09
580	112.08	38.06	27.76	252.50	2.455D-06	1.210D-05	1.960D-03	2.995D 05	4.108D 05	4.772D-09
590	112.22	39.09	28.61	249.89	3.542D-06	1.718D-05	1.945D-03	2.085D 05	2.853D 05	6.826D-09
600	112.36	40.12	29.45	247.28	5.047D-06	2.409D-05	1.931D-03	1.469D 05	2.092D 05	9.648D-09
610	112.49	41.14	30.28	244.75	7.106D-06	3.340D-05	1.918D-03	1.047D 05	1.423D 05	1.348D-08
620	112.62	42.16	31.11	242.31	9.893D-06	4.579D-05	1.906D-03	7.548D 04	1.023D 05	1.863D-08
630	112.75	43.17	31.91	239.95	1.363D-05	6.214D-05	1.895D-03	5.496D 04	7.435D 04	2.548D-08

PROPERTIES OF SATURATED SODIUM VAPOR

T (K)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	P (MPa)	RHO (KG/M**3)	ALPHAP (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMAV (MPa/K)
640	112.87	44.16	32.70	237.66	1.858D-05	8.348D-05	1.884D-03	4.042D 04	5.458D 04	3.451D-08
650	112.99	45.13	33.47	235.45	2.508D-05	1.111D-04	1.873D-03	3.001D 04	4.047D 04	4.629D-08
660	113.10	46.09	34.21	233.30	3.355D-05	1.465D-04	1.864D-03	2.248D 04	3.029D 04	6.153D-09
670	113.22	47.02	34.93	231.22	4.449D-05	1.916D-04	1.854D-03	1.699D 04	2.287D 04	8.108D-08
680	113.33	47.93	35.63	229.21	5.849D-05	2.485D-04	1.845D-03	1.294D 04	1.741D 04	1.060D-07
690	113.43	48.81	36.29	227.25	7.627D-05	3.197D-04	1.836D-03	9.940D 03	1.337D 04	1.374D-07
700	113.54	49.66	36.93	225.35	9.869D-05	4.083D-04	1.828D-03	7.692D 03	1.034D 04	1.767D-07
710	113.64	50.49	37.54	223.51	1.268D-04	5.177D-04	1.820D-03	5.995D 03	8.063D 03	2.257D-07
720	113.73	51.28	38.11	221.72	1.617D-04	6.520D-04	1.812D-03	4.705D 03	6.330D 03	2.862D-07
730	113.83	52.04	38.66	219.98	2.048D-04	8.156D-04	1.804D-03	3.717D 03	5.004D 03	3.605D-07
740	113.92	52.76	39.17	218.29	2.577D-04	1.014D-03	1.796D-03	2.956D 03	3.981D 03	4.511D-07
750	114.01	53.46	39.65	216.65	3.222D-04	1.253D-03	1.788D-03	2.364D 03	3.188D 03	5.609D-07
760	114.10	54.11	40.10	215.06	4.005D-04	1.539D-03	1.780D-03	1.903D 03	2.568D 03	6.933D-07
770	114.19	54.73	40.51	213.50	4.949D-04	1.880D-03	1.772D-03	1.540D 03	2.080D 03	8.519D-07
780	114.28	55.32	40.90	211.99	6.083D-04	2.284D-03	1.765D-03	1.253D 03	1.695D 03	1.041D-06
790	114.36	55.87	41.25	210.53	7.436D-04	2.761D-03	1.757D-03	1.025D 03	1.388D 03	1.265D-06
800	114.44	56.38	41.57	209.10	9.043D-04	3.321D-03	1.749D-03	8.427D 02	1.143D 03	1.530D-06
810	114.52	56.86	41.85	207.70	1.094D-03	3.975D-03	1.741D-03	6.962D 02	9.459D 02	1.840D-06
820	114.60	57.31	42.11	206.35	1.318D-03	4.736D-03	1.733D-03	5.779D 02	7.864D 02	2.203D-06
830	114.68	57.72	42.34	205.03	1.580D-03	5.619D-03	1.725D-03	4.818D 02	6.568D 02	2.626D-06
840	114.76	58.10	42.54	203.74	1.895D-03	6.637D-03	1.716D-03	4.035D 02	5.510D 02	3.115D-06
850	114.83	58.44	42.71	202.49	2.241D-03	7.808D-03	1.708D-03	3.393D 02	4.643D 02	3.679D-06
860	114.91	58.75	42.86	201.27	2.653D-03	9.149D-03	1.700D-03	2.865D 02	3.928D 02	4.327D-06
870	114.98	59.03	42.98	200.08	3.128D-03	1.068D-02	1.691D-03	2.429D 02	3.336D 02	5.069D-06
880	115.06	59.28	43.07	198.93	3.673D-03	1.242D-02	1.682D-03	2.067D 02	2.845D 02	5.914D-06
890	115.13	59.51	43.15	197.80	4.298D-03	1.439D-02	1.674D-03	1.765D 02	2.434D 02	6.875D-06

PROPERTIES OF SATURATED SODIUM VAPOR

T (K)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	P (MPA)	BHO (KG/M**3)	ALPHA P (1/K)	BETAS (1/MPA)	BETAT (1/MPA)	GAMMA (MPA/K)
900	115.20	59.70	43.19	196.70	5.010D-03	1.662D-02	1.665D-03	1.510D 02	2.091D 02	7.962D-06
910	115.28	59.86	43.22	195.62	5.821D-03	1.913D-02	1.656D-03	1.301D 02	1.802D 02	9.189D-06
920	115.35	60.00	43.23	194.58	6.740D-03	2.195D-02	1.647D-03	1.123D 02	1.558D 02	1.057D-05
930	115.42	60.12	43.22	193.55	7.780D-03	2.510D-02	1.638D-03	9.718D 01	1.352D 02	1.212D-05
940	115.49	60.21	43.19	192.56	8.951D-03	2.862D-02	1.629D-03	8.438D 01	1.176D 02	1.384D-05
950	115.57	60.28	43.14	191.59	1.027D-02	3.254D-02	1.619D-03	7.349D 01	1.027D 02	1.577D-05
960	115.64	60.33	43.07	190.64	1.174D-02	3.690D-02	1.610D-03	6.419D 01	8.990D 01	1.791D-05
970	115.71	60.35	42.99	189.71	1.339D-02	4.172D-02	1.601D-03	5.623D 01	7.893D 01	2.028D-05
980	115.78	60.36	42.90	188.81	1.523D-02	4.705D-02	1.592D-03	4.939D 01	6.949D 01	2.290D-05
990	115.86	60.35	42.79	187.93	1.728D-02	5.292D-02	1.582D-03	4.350D 01	6.134D 01	2.580D-05
1000	115.93	60.32	42.68	187.06	1.955D-02	5.938D-02	1.573D-03	3.841D 01	5.429D 01	2.897D-05
1010	116.00	60.28	42.55	186.22	2.206D-02	6.646D-02	1.564D-03	3.400D 01	4.817D 01	3.246D-05
1020	116.08	60.22	42.41	185.40	2.484D-02	7.422D-02	1.554D-03	3.016D 01	4.284D 01	3.628D-05
1030	116.15	60.15	42.26	184.60	2.789D-02	8.269D-02	1.545D-03	2.683D 01	3.819D 01	4.045D-05
1040	116.23	60.07	42.10	183.82	3.126D-02	9.193D-02	1.536D-03	2.392D 01	3.413D 01	4.500D-05
1050	116.30	59.98	41.93	183.05	3.495D-02	1.020D-01	1.526D-03	2.137D 01	3.056D 01	4.994D-05
1060	116.38	59.87	41.76	182.30	3.899D-02	1.129D-01	1.517D-03	1.913D 01	2.743D 01	5.531D-05
1070	116.45	59.76	41.58	181.57	4.343D-02	1.247D-01	1.508D-03	1.717D 01	2.467D 01	6.113D-05
1080	116.53	59.64	41.40	180.85	4.822D-02	1.376D-01	1.499D-03	1.543D 01	2.223D 01	6.742D-05
1090	116.60	59.51	41.21	180.15	5.347D-02	1.514D-01	1.490D-03	1.390D 01	2.008D 01	7.421D-05
1100	116.68	59.37	41.01	179.47	5.917D-02	1.663D-01	1.481D-03	1.255D 01	1.817D 01	8.153D-05
1110	116.76	59.23	40.81	178.80	6.536D-02	1.824D-01	1.472D-03	1.135D 01	1.647D 01	8.940D-05
1120	116.84	59.08	40.61	178.15	7.206D-02	1.997D-01	1.464D-03	1.028D 01	1.496D 01	9.786D-05
1130	116.91	58.93	40.41	177.50	7.931D-02	2.182D-01	1.455D-03	9.330D 00	1.361D 01	1.069D-04
1140	116.99	58.78	40.20	176.88	8.714D-02	2.381D-01	1.447D-03	8.482D 00	1.240D 01	1.166D-04
1150	117.07	58.62	39.99	176.26	9.558D-02	2.593D-01	1.438D-03	7.724D 00	1.132D 01	1.270D-04

PROPERTIES OF SATURATED SODIUM VAPOR

T (K)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	P (MPa)	XB0 (KG/M**3)	ALPHAP (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMAV (MPa/K)
1160	117.15	58.46	39.78	175.66	1.047D-01	2.821D-01	1.430D-03	7.045D 00	1.035D 01	1.381D-04
1170	117.23	58.30	39.57	175.08	1.144D-01	3.063D-01	1.422D-03	6.437D 00	9.484D 00	1.500D-04
1180	117.31	58.14	39.36	174.50	1.249D-01	3.321D-01	1.414D-03	5.890D 00	8.700D 00	1.626D-04
1190	117.39	57.97	39.14	173.94	1.361D-01	3.596D-01	1.407D-03	5.397D 00	7.994D 00	1.760D-04
1200	117.46	57.81	38.93	173.38	1.482D-01	3.889D-01	1.399D-03	4.954D 00	7.356D 00	1.902D-04
1210	117.54	57.65	38.72	172.84	1.613D-01	4.199D-01	1.392D-03	4.553D 00	6.779D 00	2.053D-04
1220	117.62	57.49	38.51	172.31	1.748D-01	4.528D-01	1.385D-03	4.190D 00	6.256D 00	2.213D-04
1230	117.70	57.33	38.29	171.79	1.894D-01	4.877D-01	1.378D-03	3.862D 00	5.781D 00	2.383D-04
1240	117.78	57.17	38.08	171.28	2.050D-01	5.246D-01	1.371D-03	3.564D 00	5.350D 00	2.562D-04
1250	117.86	57.01	37.87	170.78	2.216D-01	5.636D-01	1.364D-03	3.293D 00	4.958D 00	2.752D-04
1260	117.94	56.85	37.66	170.29	2.392D-01	6.048D-01	1.358D-03	3.047D 00	4.600D 00	2.951D-04
1270	118.01	56.70	37.45	169.81	2.579D-01	6.482D-01	1.352D-03	2.823D 00	4.274D 00	3.162D-04
1280	118.09	56.55	37.24	169.34	2.777D-01	6.940D-01	1.345D-03	2.618D 00	3.976D 00	3.384D-04
1290	118.17	56.40	37.03	168.88	2.987D-01	7.421D-01	1.340D-03	2.431D 00	3.703D 00	3.618D-04
1300	118.25	56.26	36.83	168.42	3.209D-01	7.928D-01	1.334D-03	2.260D 00	3.453D 00	3.863D-04
1310	118.32	56.12	36.62	167.97	3.444D-01	8.460D-01	1.328D-03	2.104D 00	3.223D 00	4.121D-04
1320	118.40	55.98	36.42	167.54	3.691D-01	9.019D-01	1.323D-03	1.960D 00	3.013D 00	4.392D-04
1330	118.47	55.84	36.22	167.11	3.953D-01	9.605D-01	1.318D-03	1.828D 00	2.819D 00	4.676D-04
1340	118.55	55.71	36.02	166.68	4.228D-01	1.022D 00	1.313D-03	1.707D 00	2.641D 00	4.973D-04
1350	118.62	55.58	35.82	166.27	4.518D-01	1.086D 00	1.309D-03	1.596D 00	2.476D 00	5.285D-04
1360	118.69	55.45	35.62	165.86	4.823D-01	1.153D 00	1.304D-03	1.493D 00	2.324D 00	5.610D-04
1370	118.77	55.33	35.42	165.46	5.144D-01	1.224D 00	1.300D-03	1.398D 00	2.184D 00	5.951D-04
1380	118.84	55.21	35.22	165.06	5.480D-01	1.297D 00	1.296D-03	1.311D 00	2.054D 00	6.306D-04
1390	118.91	55.09	35.03	164.67	5.833D-01	1.374D 00	1.292D-03	1.230D 00	1.934D 00	6.677D-04
1400	118.98	54.97	34.83	164.29	6.203D-01	1.454D 00	1.288D-03	1.155D 00	1.823D 00	7.064D-04
1410	119.04	54.86	34.64	163.92	6.591D-01	1.537D 00	1.284D-03	1.086D 00	1.720D 00	7.467D-04

PROPERTIES OF SATURATED SODIUM VAPOR

T (K)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	P (MPA)	BHO (KG/CM ³)	ALPHA (1/R)	BETAS (1/MPA)	BETAT (1/MPA)	GAMMA (MPA/K)
1420	119.11	54.75	34.45	163.55	6.997D-01	1.624D 00	1.281D-03	1.022D 00	1.624D 00	7.886D-04
1430	119.18	54.64	34.25	163.18	7.421D-01	1.715D 00	1.277D-03	9.622D-01	1.535D 00	8.323D-04
1440	119.24	54.53	34.06	162.83	7.864D-01	1.809D 00	1.274D-03	9.068D-01	1.452D 00	8.776D-04
1450	119.31	54.43	33.87	162.47	8.327D-01	1.906D 00	1.271D-03	8.554D-01	1.374D 00	9.248D-04
1460	119.37	54.32	33.68	162.13	8.810D-01	2.008D 00	1.268D-03	8.075D-01	1.302D 00	9.737D-04
1470	119.43	54.22	33.49	161.79	9.314D-01	2.114D 00	1.265D-03	7.630D-01	1.235D 00	1.024D-03
1480	119.49	54.12	33.30	161.45	9.839D-01	2.223D 00	1.263D-03	7.214D-01	1.172D 00	1.077D-03
1490	119.55	54.02	33.11	161.12	1.039D 00	2.337D 00	1.260D-03	6.827D-01	1.114D 00	1.132D-03
1500	119.61	53.92	32.93	160.79	1.095D 00	2.455D 00	1.258D-03	6.465D-01	1.059D 00	1.188D-03
1510	119.67	53.82	32.74	160.47	1.155D 00	2.577D 00	1.255D-03	6.127D-01	1.007D 00	1.246D-03
1520	119.72	53.72	32.55	160.15	1.216D 00	2.703D 00	1.253D-03	5.813D-01	9.589D-01	1.307D-03
1530	119.78	53.62	32.36	159.84	1.280D 00	2.834D 00	1.251D-03	5.515D-01	9.136D-01	1.369D-03
1540	119.83	53.52	32.18	159.53	1.346D 00	2.969D 00	1.249D-03	5.238D-01	8.711D-01	1.433D-03
1550	119.88	53.42	31.99	159.23	1.415D 00	3.109D 00	1.246D-03	4.978D-01	8.312D-01	1.500D-03
1560	119.93	53.32	31.81	158.93	1.486D 00	3.254D 00	1.244D-03	4.734D-01	7.936D-01	1.568D-03
1570	119.98	53.21	31.62	158.64	1.560D 00	3.403D 00	1.242D-03	4.506D-01	7.583D-01	1.638D-03
1580	120.03	53.11	31.44	158.35	1.637D 00	3.557D 00	1.240D-03	4.291D-01	7.250D-01	1.711D-03
1590	120.08	53.00	31.25	158.06	1.716D 00	3.716D 00	1.239D-03	4.089D-01	6.936D-01	1.786D-03
1600	120.12	52.90	31.07	157.78	1.798D 00	3.881D 00	1.237D-03	3.899D-01	6.640D-01	1.862D-03
1610	120.17	52.79	30.88	157.50	1.883D 00	4.050D 00	1.235D-03	3.721D-01	6.360D-01	1.941D-03
1620	120.21	52.68	30.70	157.23	1.970D 00	4.224D 00	1.233D-03	3.553D-01	6.096D-01	2.022D-03
1630	120.26	52.57	30.52	156.96	2.061D 00	4.404D 00	1.231D-03	3.394D-01	5.846D-01	2.105D-03
1640	120.30	52.45	30.34	156.69	2.154D 00	4.590D 00	1.229D-03	3.245D-01	5.610D-01	2.190D-03
1650	120.34	52.33	30.15	156.43	2.251D 00	4.780D 00	1.227D-03	3.103D-01	5.387D-01	2.278D-03
1660	120.38	52.21	29.96	156.17	2.350D 00	4.977D 00	1.226D-03	2.970D-01	5.176D-01	2.368D-03
1670	120.42	52.11	29.78	155.92	2.453D 00	5.179D 00	1.224D-03	2.844D-01	4.976D-01	2.460D-03

PROPERTIES OF SATURATED SODIUM VAPOR

T (K)	H-H(298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	P (MPa)	RHO (KG/M**3)	ALPHAP (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMA (MPa/K)
1680	120.46	52.02	29.60	155.67	2.558D 00	5.386D 00	1.223D-03	2.724D-01	4.787D-01	2.555D-03
1690	120.49	51.94	29.44	155.42	2.667D 00	5.600D 00	1.223D-03	2.612D-01	4.608D-01	2.653D-03
1700	120.53	51.88	29.28	155.17	2.779D 00	5.820D 00	1.222D-03	2.505D-01	4.439D-01	2.753D-03
1710	120.56	51.83	29.13	154.93	2.895D 00	6.045D 00	1.222D-03	2.404D-01	4.278D-01	2.857D-03
1720	120.60	51.79	28.98	154.69	3.013D 00	6.277D 00	1.222D-03	2.308D-01	4.125D-01	2.963D-03
1730	120.63	51.77	28.84	154.45	3.135D 00	6.515D 00	1.223D-03	2.217D-01	3.980D-01	3.072D-03
1740	120.66	51.76	28.71	154.22	3.261D 00	6.759D 00	1.223D-03	2.131D-01	3.843D-01	3.184D-03
1750	120.69	51.76	28.58	153.99	3.390D 00	7.010D 00	1.224D-03	2.050D-01	3.712D-01	3.298D-03
1760	120.71	51.78	28.46	153.76	3.522D 00	7.268D 00	1.226D-03	1.972D-01	3.586D-01	3.416D-03
1770	120.74	51.81	28.35	153.54	3.658D 00	7.532D 00	1.227D-03	1.899D-01	3.470D-01	3.537D-03
1780	120.76	51.85	28.24	153.32	3.797D 00	7.803D 00	1.229D-03	1.829D-01	3.356D-01	3.661D-03
1790	120.79	51.91	28.14	153.10	3.941D 00	8.080D 00	1.232D-03	1.762D-01	3.251D-01	3.789D-03
1800	120.81	51.98	28.05	152.88	4.087D 00	8.365D 00	1.234D-03	1.699D-01	3.149D-01	3.920D-03
1810	120.83	52.07	27.96	152.67	4.238D 00	8.657D 00	1.237D-03	1.639D-01	3.053D-01	4.054D-03
1820	120.85	52.17	27.88	152.45	4.392D 00	8.956D 00	1.241D-03	1.582D-01	2.960D-01	4.191D-03
1830	120.86	52.29	27.80	152.25	4.550D 00	9.263D 00	1.245D-03	1.527D-01	2.873D-01	4.332D-03
1840	120.88	52.42	27.73	152.04	4.712D 00	9.577D 00	1.249D-03	1.475D-01	2.789D-01	4.477D-03
1850	120.89	52.57	27.66	151.83	4.878D 00	9.899D 00	1.253D-03	1.426D-01	2.709D-01	4.625D-03
1860	120.90	52.73	27.60	151.63	5.047D 00	1.023D 01	1.258D-03	1.379D-01	2.633D-01	4.777D-03
1870	120.91	52.91	27.55	151.43	5.221D 00	1.057D 01	1.263D-03	1.333D-01	2.561D-01	4.933D-03
1880	120.92	53.11	27.50	151.23	5.399D 00	1.091D 01	1.269D-03	1.290D-01	2.492D-01	5.093D-03
1890	120.93	53.32	27.46	151.03	5.580D 00	1.127D 01	1.275D-03	1.249D-01	2.426D-01	5.257D-03
1900	120.93	53.55	27.42	150.84	5.766D 00	1.163D 01	1.282D-03	1.210D-01	2.363D-01	5.425D-03
1910	120.93	53.80	27.39	150.65	5.955D 00	1.200D 01	1.289D-03	1.173D-01	2.304D-01	5.597D-03
1920	120.93	54.07	27.36	150.46	6.149D 00	1.238D 01	1.297D-03	1.137D-01	2.246D-01	5.774D-03
1930	120.93	54.37	27.35	150.27	6.347D 00	1.277D 01	1.305D-03	1.103D-01	2.192D-01	5.955D-03

PROPERTIES OF SATURATED SODIUM VAPOR

T (K)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	P (MPA)	RHO (KG/M**3)	ALPHAP (1/K)	BETAS (1/MPA)	BETAT (1/MPA)	GAMMAV (MPA/K)
1940	120.92	54.68	27.33	150.08	6.549D 00	1.316D 01	1.314D-03	1.070D-01	2.140D-01	6.141D-03
1950	120.92	55.01	27.33	149.89	6.755D 00	1.357D 01	1.324D-03	1.039D-01	2.091D-01	6.331D-03
1960	120.91	55.37	27.33	149.71	6.966D 00	1.399D 01	1.334D-03	1.009D-01	2.044D-01	6.526D-03
1970	120.89	55.75	27.33	149.52	7.181D 00	1.441D 01	1.344D-03	9.799D-02	1.999D-01	6.726D-03
1980	120.88	56.16	27.34	149.34	7.403D 00	1.485D 01	1.356D-03	9.525D-02	1.956D-01	6.932D-03
1990	120.86	56.59	27.36	149.16	7.623D 00	1.529D 01	1.368D-03	9.262D-02	1.916D-01	7.142D-03
2000	120.84	57.05	27.39	148.98	7.851D 00	1.575D 01	1.381D-03	9.010D-02	1.877D-01	7.358D-03
2010	120.82	57.54	27.42	148.81	8.083D 00	1.622D 01	1.395D-03	8.770D-02	1.846D-01	7.579D-03
2020	120.80	58.06	27.46	148.63	8.320D 00	1.670D 01	1.409D-03	8.539D-02	1.805D-01	7.806D-03
2030	120.77	58.62	27.51	148.46	8.560D 00	1.719D 01	1.425D-03	8.318D-02	1.772D-01	8.039D-03
2040	120.74	59.21	27.56	148.28	8.806D 00	1.769D 01	1.441D-03	8.106D-02	1.741D-01	8.278D-03
2050	120.70	59.83	27.63	148.11	9.056D 00	1.820D 01	1.459D-03	7.904D-02	1.712D-01	8.524D-03
2060	120.67	60.50	27.70	147.94	9.310D 00	1.873D 01	1.478D-03	7.710D-02	1.684D-01	8.775D-03
2070	120.63	61.20	27.78	147.76	9.569D 00	1.926D 01	1.498D-03	7.524D-02	1.658D-01	9.034D-03
2080	120.58	61.95	27.87	147.59	9.832D 00	1.982D 01	1.519D-03	7.346D-02	1.633D-01	9.299D-03
2090	120.53	62.75	27.96	147.42	1.010D 01	2.038D 01	1.541D-03	7.176D-02	1.610D-01	9.572D-03
2100	120.48	63.60	28.07	147.25	1.037D 01	2.096D 01	1.565D-03	7.013D-02	1.589D-01	9.852D-03
2110	120.43	64.50	28.19	147.08	1.065D 01	2.155D 01	1.591D-03	6.858D-02	1.569D-01	1.014D-02
2120	120.37	65.47	28.32	146.92	1.093D 01	2.216D 01	1.618D-03	6.709D-02	1.551D-01	1.044D-02
2130	120.30	66.49	28.46	146.75	1.122D 01	2.278D 01	1.648D-03	6.567D-02	1.534D-01	1.074D-02
2140	120.23	67.59	28.61	146.58	1.151D 01	2.342D 01	1.679D-03	6.432D-02	1.519D-01	1.105D-02
2150	120.16	68.76	28.78	146.41	1.181D 01	2.408D 01	1.713D-03	6.303D-02	1.506D-01	1.137D-02
2160	120.08	70.01	28.96	146.24	1.211D 01	2.476D 01	1.749D-03	6.180D-02	1.494D-01	1.170D-02
2170	120.00	71.36	29.16	146.08	1.241D 01	2.545D 01	1.787D-03	6.063D-02	1.484D-01	1.204D-02
2180	119.91	72.80	29.37	145.91	1.272D 01	2.616D 01	1.829D-03	5.952D-02	1.475D-01	1.240D-02
2190	119.82	74.35	29.60	145.74	1.304D 01	2.693D 01	1.874D-03	5.848D-02	1.469D-01	1.276D-02

PROPERTIES OF SATURATED SODIUM VAPOR

T (K)	h-h (298) (KJ/MOL)	CP (J/ECL-K)	CV (J/MOL-K)	S (J/MOL-K)	P (MPA)	RHO (KG/M**3)	ALPHAP (1/K)	BERAS (1/MPA)	BETAT (1/MPA)	GAMMA (MPA/K)
2200	119.71	76.02	29.85	145.57	1.335D 01	2.765D 01	1.922D-03	5.749D-02	1.464D-01	1.313D-02
2210	119.61	77.82	30.12	145.40	1.368D 01	2.843D 01	1.974D-03	5.656D-02	1.461D-01	1.351D-02
2220	119.49	79.76	30.42	145.23	1.401D 01	2.923D 01	2.031E-03	5.569D-02	1.460D-01	1.391D-02
2230	119.37	81.88	30.74	145.06	1.434D 01	3.006D 01	2.093D-03	5.488D-02	1.462D-01	1.432D-02
2240	119.25	84.17	31.09	144.89	1.468D 01	3.091D 01	2.161D-03	5.413D-02	1.465D-01	1.474D-02
2250	119.11	86.67	31.48	144.72	1.502D 01	3.179D 01	2.234D-03	5.345D-02	1.472D-01	1.518D-02
2260	118.96	89.40	31.89	144.54	1.537D 01	3.271D 01	2.315D-03	5.283D-02	1.481D-01	1.563D-02
2270	118.81	92.40	32.35	144.37	1.572D 01	3.365D 01	2.404D-03	5.227D-02	1.493D-01	1.610D-02
2280	118.65	95.71	32.86	144.19	1.608D 01	3.463D 01	2.503D-03	5.179D-02	1.509D-01	1.659D-02
2290	118.47	99.36	33.41	144.01	1.645D 01	3.565D 01	2.612D-03	5.139D-02	1.528D-01	1.710D-02
2300	118.29	103.42	34.03	143.83	1.681D 01	3.671D 01	2.734D-03	5.106D-02	1.552D-01	1.762D-02
2310	118.09	107.94	34.72	143.64	1.719D 01	3.782D 01	2.871D-03	5.083D-02	1.580D-01	1.816D-02
2320	117.88	113.02	35.48	143.45	1.756D 01	3.898D 01	3.025D-03	5.069D-02	1.615D-01	1.873D-02
2330	117.66	118.76	36.34	143.26	1.794D 01	4.019D 01	3.199D-03	5.066D-02	1.656D-01	1.933D-02
2340	117.41	125.29	37.31	143.07	1.833D 01	4.146D 01	3.339D-03	5.075D-02	1.704D-01	1.994D-02
2350	117.16	132.76	38.41	142.86	1.872D 01	4.280D 01	3.629D-03	5.099D-02	1.762D-01	2.059D-02
2360	116.88	141.40	39.67	142.66	1.912D 01	4.422D 01	3.897D-03	5.140D-02	1.832D-01	2.127D-02
2370	116.58	151.48	41.13	142.44	1.952D 01	4.572D 01	4.211D-03	5.200D-02	1.915D-01	2.199D-02
2380	116.26	163.38	42.82	142.22	1.993D 01	4.732D 01	4.584D-03	5.284D-02	2.016D-01	2.274D-02
2390	115.91	177.60	44.62	141.99	2.034D 01	4.904D 01	5.034D-03	5.398D-02	2.139D-01	2.354D-02
2400	115.52	194.87	47.21	141.76	2.076D 01	5.089D 01	5.585D-03	5.549D-02	2.291D-01	2.438D-02
2410	115.11	216.23	50.10	141.50	2.118D 01	5.290D 01	6.273D-03	5.748D-02	2.481D-01	2.528D-02
2420	114.65	243.20	53.67	141.24	2.163D 01	5.511D 01	7.151D-03	6.012D-02	2.724D-01	2.625D-02
2430	114.13	278.21	58.19	140.95	2.204D 01	5.755D 01	8.305D-03	6.365D-02	3.043D-01	2.729D-02
2440	113.56	325.19	64.06	140.65	2.247D 01	6.031D 01	9.876D-03	6.845D-02	3.474D-01	2.842D-02
2450	112.91	391.02	71.99	140.31	2.291D 01	6.346D 01	1.212D-02	7.518D-02	4.084D-01	2.967D-02

PROPERTIES OF SATURATED SODIUM VAPOR

T (K)	H-H (298) (KJ/MOL)	CF (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	P (MPA)	RHO (KG/M**3)	ALPHA P (1/K)	BETAS (1/MPA)	BETAT (1/MPA)	GAMMA V (MPA/K)
2460	112.15	488.81	83.21	139.94	2.336D 01	6.717D 01	1.551D-02	8.505D-02	4.556D-01	3.105D-02
2470	111.26	646.61	100.26	139.52	2.381D 01	7.168D 01	2.114D-02	1.005D-01	6.482D-01	3.262D-02
2480	110.16	935.80	129.04	139.02	2.427D 01	7.748D 01	3.182D-02	1.274D-01	9.237D-01	3.445D-02
2490	108.72	1597.70	187.40	138.39	2.473D 01	8.566D 01	5.751D-02	1.838D-01	1.567D 00	3.670D-02
2500	106.55	4123.31	366.81	137.47	2.519D 01	9.975D 01	1.640D-01	3.669D-01	4.125D 00	3.976D-02
2508	102.62	49803.90	2110.03	135.93	2.557D 01	1.344D 02	2.512D 00	2.406D 00	5.678D 01	4.424D-02

PROPERTIES OF SUPERHEATED SODIUM VAPOR

SUPERHEATED SODIUM VAPOUR PROPERTIES AT T= 400.0K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHA P (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAMMA V (MPa/K)
1.00000E-10	1.0898E+02	2.2805E+01	1.4324E+01	3.2810E+02	6.9163E-10	2.5264E-03	6.2840E+09	1.0004E+10	2.5253E-13
9.00000E-11	1.0899E+02	2.2604E+01	1.4139E+01	3.2899E+02	6.2244E-10	2.5238E-03	6.9533E+09	1.1116E+10	2.2705E-13
8.00000E-11	1.0899E+02	2.2402E+01	1.3955E+01	3.2998E+02	5.5325E-10	2.5212E-03	7.7893E+09	1.2504E+10	2.0162E-13
7.00000E-11	1.0899E+02	2.2200E+01	1.3770E+01	3.3109E+02	4.8407E-10	2.5185E-03	8.8634E+09	1.4290E+10	1.7624E-13
6.00000E-11	1.0900E+02	2.1999E+01	1.3585E+01	3.3238E+02	4.1490E-10	2.5159E-03	1.0295E+10	1.6671E+10	1.5091E-13
5.00000E-11	1.0900E+02	2.1797E+01	1.3399E+01	3.3391E+02	3.4573E-10	2.5132E-03	1.2255E+10	2.0004E+10	1.2563E-13
4.00000E-11	1.0900E+02	2.1595E+01	1.3214E+01	3.3577E+02	2.7657E-10	2.5106E-03	1.5300E+10	2.5004E+10	1.0041E-13
3.00000E-11	1.0901E+02	2.1393E+01	1.3029E+01	3.3817E+02	2.0742E-10	2.5079E-03	2.0303E+10	3.3338E+10	7.5228E-14
2.00000E-11	1.0901E+02	2.1191E+01	1.2843E+01	3.4155E+02	1.3827E-10	2.5053E-03	3.0307E+10	5.0004E+10	5.0101E-14
1.00000E-11	1.0902E+02	2.0989E+01	1.2658E+01	3.4732E+02	6.9134E-11	2.5026E-03	6.0310E+10	1.0000E+11	2.5025E-14

SUPERHEATED SODIUM VAPOR PROPERTIES AT T= 500.0K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHA P (K-1)	BETAS (MPa-1)	BETA T (MPa-1)	GAMMA V (MPa/K)
5.0000D-08	1.1092D+02	2.7227D+01	1.8243D+01	2.8213D+02	2.7717D-07	2.0845D-03	1.3431D+07	2.0045D+07	1.0399D-10
4.0000D-08	1.1095D+02	2.5953D+01	1.7104D+01	2.8406D+02	2.2163D-07	2.0677D-03	1.6506D+07	2.5045D+07	8.2560D-11
3.0000D-08	1.1095D+02	2.4672D+01	1.5957D+01	2.8652D+02	1.6615D-07	2.0509D-03	2.1588D+07	3.3379D+07	6.1444D-11
2.0000D-08	1.1103D+02	2.3384D+01	1.4803D+01	2.8996D+02	1.1071D-07	2.0340D-03	3.1681D+07	5.0045D+07	4.0643D-11
1.0000D-08	1.1106D+02	2.2089D+01	1.3641D+01	2.9579D+02	5.5331D-08	2.0170D-03	6.1784D+07	1.0005D+08	2.0161D-11
9.0000D-09	1.1107D+02	2.1959D+01	1.3525D+01	2.9667D+02	4.9795D-08	2.0153D-03	6.8462D+07	1.1116D+08	1.8131D-11
8.0000D-09	1.1107D+02	2.1829D+01	1.3408D+01	2.9766D+02	4.4260D-08	2.0136D-03	7.6807D+07	1.2505D+08	1.6103D-11
7.0000D-09	1.1107D+02	2.1699D+01	1.3291D+01	2.9877D+02	3.8726D-08	2.0119D-03	8.7533D+07	1.4290D+08	1.4079D-11
6.0000D-09	1.1108D+02	2.1569D+01	1.3174D+01	3.0006D+02	3.3192D-08	2.0102D-03	1.0183D+08	1.6671D+08	1.2058D-11
5.0000D-09	1.1108D+02	2.1438D+01	1.3057D+01	3.0158D+02	2.7659D-08	2.0085D-03	1.2184D+08	2.0005D+08	1.0040D-11
4.0000D-09	1.1108D+02	2.1308D+01	1.2940D+01	3.0345D+02	2.2126D-08	2.0068D-03	1.5185D+08	2.5005D+08	8.0259D-12
3.0000D-09	1.1109D+02	2.1178D+01	1.2823D+01	3.0584D+02	1.6594D-08	2.0051D-03	2.0187D+08	3.3338D+08	6.0145D-12
2.0000D-09	1.1109D+02	2.1047D+01	1.2706D+01	3.0922D+02	1.1062D-08	2.0034D-03	3.0188D+08	5.0005D+08	4.0065D-12
1.0000D-09	1.1109D+02	2.0917D+01	1.2589D+01	3.1499D+02	5.5307D-09	2.0017D-03	6.0190D+08	1.0000D+09	2.0016D-12
9.0000D-10	1.1109D+02	2.0904D+01	1.2577D+01	3.1587D+02	4.9776D-09	2.0015D-03	6.6856D+08	1.1112D+09	1.8013D-12
8.0000D-10	1.1109D+02	2.0891D+01	1.2566D+01	3.1685D+02	4.4245D-09	2.0014D-03	7.5190D+08	1.2500D+09	1.6010D-12
7.0000D-10	1.1110D+02	2.0878D+01	1.2554D+01	3.1796D+02	3.8714D-09	2.0012D-03	8.5905D+08	1.4286D+09	1.4008D-12
6.0000D-10	1.1110D+02	2.0865D+01	1.2542D+01	3.1924D+02	3.3184D-09	2.0010D-03	1.0019D+09	1.6667D+09	1.2006D-12
5.0000D-10	1.1110D+02	2.0851D+01	1.2531D+01	3.2076D+02	2.7653D-09	2.0009D-03	1.2019D+09	2.0000D+09	1.0004D-12
4.0000D-10	1.1110D+02	2.0838D+01	1.2519D+01	3.2261D+02	2.2122D-09	2.0007D-03	1.5019D+09	2.5000D+09	8.0026D-13
3.0000D-10	1.1110D+02	2.0825D+01	1.2507D+01	3.2501D+02	1.6592D-09	2.0005D-03	2.0019D+09	3.3334D+09	6.0015D-13
2.0000D-10	1.1110D+02	2.0812D+01	1.2495D+01	3.2838D+02	1.1061D-09	2.0003D-03	3.0019D+09	5.0000D+09	4.0006D-13
1.0000D-10	1.1110D+02	2.0799D+01	1.2484D+01	3.3414D+02	5.5305D-10	2.0002D-03	6.0020D+09	1.0000D+10	2.0002D-13
9.0000D-11	1.1110D+02	2.0798D+01	1.2482D+01	3.3502D+02	4.9774D-10	2.0002D-03	6.6687D+09	1.1111D+10	1.8001D-13
8.0000D-11	1.1110D+02	2.0797D+01	1.2481D+01	3.3600D+02	4.4244D-10	2.0001D-03	7.5020D+09	1.2500D+10	1.6001D-13
7.0000D-11	1.1110D+02	2.0795D+01	1.2480D+01	3.3711D+02	3.8713D-10	2.0001D-03	8.5734D+09	1.4286D+10	1.4001D-13

SUPERHEATED SODIUM VAPOUR PROPERTIES AT T= 500.0K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M ³)	ALPHA P (K-1)	BETA S (MPa-1)	BETA T (MPa-1)	GAMMA V (MPa/K)
6.0000D-11	1.1110D+02	2.0794D+01	1.2479D+01	3.3839D+02	3.3183D-10	2.0001D-03	1.0002D+10	1.6667D+10	1.2001D-13
5.0000D-11	1.1110D+02	2.0793D+01	1.2478D+01	3.3991D+02	2.7652D-10	2.0001D-03	1.2002D+10	2.0000D+10	1.0000D-13
4.0000D-11	1.1110D+02	2.0791D+01	1.2477D+01	3.4176D+02	2.2122D-10	2.0001D-03	1.5002D+10	2.5000D+10	8.0003D-14
3.0000D-11	1.1110D+02	2.0790D+01	1.2475D+01	3.4415D+02	1.6591D-10	2.0001D-03	2.0002D+10	3.3333D+10	6.0001D-14
2.0000D-11	1.1110D+02	2.0789D+01	1.2474D+01	3.4752D+02	1.1061D-10	2.0000D-03	3.0002D+10	5.0000D+10	4.0001D-14
1.0000D-11	1.1110D+02	2.0788D+01	1.2473D+01	3.5329D+02	5.5305D-11	2.0000D-03	6.0003D+10	1.0000D+11	2.0000D-14

SUPERHEATED SODIUM VAPOR PROPERTIES AT T= 600.0K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHAP (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAMMAV (MPa/K)
2.0000D-06	1.1285D+02	2.9026D+01	1.9684D+01	2.5606D+02	9.2574D-06	1.7749D-03	3.4049D+05	5.0209D+05	3.5350D-09
1.0000D-06	1.1301D+02	2.4959D+01	1.6132D+01	2.6208D+02	4.6187D-06	1.7214D-03	6.4769D+05	1.0021D+06	1.7177D-09
9.0000D-07	1.1303D+02	2.4547D+01	1.5771D+01	2.6298D+02	4.1560D-06	1.7159D-03	7.1522D+05	1.1132D+06	1.5414D-09
8.0000D-07	1.1304D+02	2.4133D+01	1.5409D+01	2.6399D+02	3.6934D-06	1.7105D-03	7.9945D+05	1.2521D+06	1.3661D-09
7.0000D-07	1.1306D+02	2.3719D+01	1.5045D+01	2.6512D+02	3.2310D-06	1.7051D-03	9.0753D+05	1.43D7D+06	1.1918D-09
6.0000D-07	1.1308D+02	2.3303D+01	1.4681D+01	2.6643D+02	2.7688D-06	1.6996D-03	1.0513D+06	1.6688D+06	1.0185D-09
5.0000D-07	1.1309D+02	2.2886D+01	1.4316D+01	2.6797D+02	2.3069D-06	1.6942D-03	1.2524D+06	2.0021D+06	8.4618D-10
4.0000D-07	1.1311D+02	2.2468D+01	1.3949D+01	2.6985D+02	1.8451D-06	1.6887D-03	1.5534D+06	2.5021D+06	6.7490D-10
3.0000D-07	1.1313D+02	2.2050D+01	1.3581D+01	2.7227D+02	1.3835D-06	1.6832D-03	2.0545D+06	3.3355D+06	5.0464D-10
2.0000D-07	1.1314D+02	2.1630D+01	1.3213D+01	2.7577D+02	9.2214D-07	1.6777D-03	3.2556D+06	5.0021D+06	3.3540D-10
1.0000D-07	1.1316D+02	2.1208D+01	1.2843D+01	2.8146D+02	4.6097D-07	1.6722D-03	6.0569D+06	1.0002D+07	1.6718D-10
9.0000D-08	1.1316D+02	2.1166D+01	1.2806D+01	2.8234D+02	4.1487D-07	1.6716D-03	6.7236D+06	1.1113D+07	1.5042D-10
8.0000D-08	1.1316D+02	2.1124D+01	1.2769D+01	2.8332D+02	3.6876D-07	1.6711D-03	7.5571D+06	1.2502D+07	1.3366D-10
7.0000D-08	1.1316D+02	2.1082D+01	1.2732D+01	2.8443D+02	3.2266D-07	1.6705D-03	8.6287D+06	1.4288D+07	1.1692D-10
6.0000D-08	1.1317D+02	2.1040D+01	1.2695D+01	2.8572D+02	2.7656D-07	1.6700D-03	1.0057D+07	1.6669D+07	1.0019D-10
5.0000D-08	1.1317D+02	2.0998D+01	1.2658D+01	2.8723D+02	2.3046D-07	1.6594D-03	1.2058D+07	2.0002D+07	8.3463D-11
4.0000D-08	1.1317D+02	2.0955D+01	1.2620D+01	2.8909D+02	1.8436D-07	1.6689D-03	1.5058D+07	2.5002D+07	6.6749D-11
3.0000D-08	1.1317D+02	2.0913D+01	1.2583D+01	2.9149D+02	1.3827D-07	1.6683D-03	2.0058D+07	3.3335D+07	5.0047D-11
2.0000D-08	1.1317D+02	2.0871D+01	1.2546D+01	2.9486D+02	9.2178D-08	1.6678D-03	3.0058D+07	5.0002D+07	3.3354D-11
1.0000D-08	1.1317D+02	2.0829D+01	1.2509D+01	3.0063D+02	4.6080D-08	1.6672D-03	6.0059D+07	1.0000D+08	1.6672D-11
9.0000D-09	1.1317D+02	2.0824D+01	1.2505D+01	3.0150D+02	4.1479D-08	1.6672D-03	6.6726D+07	1.1111D+08	1.5004D-11
8.0000D-09	1.1318D+02	2.0820D+01	1.2502D+01	3.0248D+02	3.6870D-08	1.6671D-03	7.5059D+07	1.2500D+08	1.3337D-11
7.0000D-09	1.1318D+02	2.0816D+01	1.2498D+01	3.0359D+02	3.2261D-08	1.6671D-03	8.5773D+07	1.4286D+08	1.1669D-11
6.0000D-09	1.1318D+02	2.0812D+01	1.2494D+01	3.0488D+02	2.7653D-08	1.6670D-03	1.0006D+08	1.6667D+08	1.0002D-11
5.0000D-09	1.1318D+02	2.0807D+01	1.2491D+01	3.0639D+02	2.3044D-08	1.6669D-03	1.2006D+08	2.0000D+08	8.3346D-12
4.0000D-09	1.1318D+02	2.0803D+01	1.2487D+01	3.0825D+02	1.8435D-08	1.6669D-03	1.5006D+08	2.5000D+08	6.6675D-12

SUPERHEATED SODIUM VAPOE PROPERTIES AT T= 600.0K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHAP (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAMMAV (MPa/K)
3.0000D-09	1.1318D+02	2.0799D+01	1.2483D+01	3.1064D+02	1.3826D-08	1.6668D-03	2.0006D+08	3.3334D+08	5.0005D-12
2.0000D-09	1.1318D+02	2.0795D+01	1.2479D+01	3.1401D+02	9.2175D-09	1.6666D-03	3.0006D+08	5.0000D+08	3.3335D-12
1.0000D-09	1.1318D+02	2.0791D+01	1.2476D+01	3.1977D+02	4.6087D-09	1.6667D-03	6.0007D+08	1.0000D+09	1.6667D-12
9.0000D-10	1.1318D+02	2.0790D+01	1.2475D+01	3.2065D+02	4.1478D-09	1.6667D-03	6.6674D+08	1.1111D+09	1.5000D-12
8.0000D-10	1.1318D+02	2.0790D+01	1.2475D+01	3.2163D+02	3.6870D-09	1.6667D-03	7.5007D+08	1.2500D+09	1.3334D-12
7.0000D-10	1.1318D+02	2.0789D+01	1.2475D+01	3.2274D+02	3.2261D-09	1.6667D-03	8.5721D+08	1.4286D+09	1.1667D-12
6.0000D-10	1.1318D+02	2.0789D+01	1.2474D+01	3.2402D+02	2.7652D-09	1.6667D-03	1.0001D+09	1.6667D+09	1.0000D-12
5.0000D-10	1.1318D+02	2.0788D+01	1.2474D+01	3.2554D+02	2.3044D-09	1.6667D-03	1.2001D+09	2.0000D+09	8.3335D-13
4.0000D-10	1.1318D+02	2.0788D+01	1.2473D+01	3.2739D+02	1.8435D-09	1.6667D-03	1.5001D+09	2.5000D+09	6.6667D-13
3.0000D-10	1.1318D+02	2.0788D+01	1.2473D+01	3.2978D+02	1.3826D-09	1.6667D-03	2.0001D+09	3.3333D+09	5.0000D-13
2.0000D-10	1.1318D+02	2.0787D+01	1.2473D+01	3.3316D+02	9.2174D-10	1.6667D-03	3.0001D+09	5.0000D+09	3.3334D-13
1.0000D-10	1.1318D+02	2.0787D+01	1.2472D+01	3.3892D+02	4.6087D-10	1.6667D-03	6.0001D+09	1.0000D+10	1.6667D-13
9.0000D-11	1.1318D+02	2.0787D+01	1.2472D+01	3.3979D+02	4.1478D-10	1.6667D-03	6.6668D+09	1.1111D+10	1.5000D-13
8.0000D-11	1.1318D+02	2.0787D+01	1.2472D+01	3.4077D+02	3.6870D-10	1.6667D-03	7.5002D+09	1.2500D+10	1.3333D-13
7.0000D-11	1.1318D+02	2.0787D+01	1.2472D+01	3.4188D+02	3.2261D-10	1.6667D-03	8.5716D+09	1.4286D+10	1.1667D-13
6.0000D-11	1.1318D+02	2.0787D+01	1.2472D+01	3.4317D+02	2.7652D-10	1.6667D-03	1.0000D+10	1.6667D+10	1.0000D-13
5.0000D-11	1.1318D+02	2.0786D+01	1.2472D+01	3.4468D+02	2.3044D-10	1.6667D-03	1.2000D+10	2.0000D+10	8.3333D-14
4.0000D-11	1.1318D+02	2.0786D+01	1.2472D+01	3.4654D+02	1.8435D-10	1.6667D-03	1.5000D+10	2.5000D+10	6.6667D-14
3.0000D-11	1.1318D+02	2.0786D+01	1.2472D+01	3.4893D+02	1.3826D-10	1.6667D-03	2.0000D+10	3.3333D+10	5.0000D-14
2.0000D-11	1.1318D+02	2.0786D+01	1.2472D+01	3.5230D+02	9.2174D-11	1.6667D-03	3.0000D+10	5.0000D+10	3.3333D-14
1.0000D-11	1.1318D+02	2.0786D+01	1.2472D+01	3.5806D+02	4.6087D-11	1.6667D-03	6.0001D+10	1.0000D+11	1.6667D-14

SUPERHEATED SODIUM VAPOR PROPERTIES AT T= 760.0K

P (MPA)	H-B (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHA P (K-1)	BETAS (MPA-1)	BETAT (MPA-1)	GAMMA V (MPA/K)
5.0000D-05	1.1435D+02	3.6969D+01	2.6239D+01	2.3249D+02	1.9987D-04	1.6427D-03	1.4356D+04	2.0226D+04	8.1217D-08
4.0000D-05	1.1453D+02	3.3913D+01	2.3663D+01	2.3458D+02	1.5952D-04	1.6019D-03	1.7603D+04	2.5229D+04	6.3494D-08
3.0000D-05	1.1471D+02	3.0770D+01	2.1002D+01	2.3720D+02	1.1936D-04	1.5601D-03	2.2909D+04	3.3565D+04	4.6479D-08
2.0000D-05	1.1489D+02	2.7537D+01	1.8252D+01	2.4081D+02	7.9388D-05	1.5173D-03	3.3296D+04	5.0234D+04	3.0204D-08
1.0000D-05	1.1507D+02	2.4210D+01	1.5410D+01	2.4682D+02	3.9599D-05	1.4735D-03	6.3802D+04	1.0024D+05	1.4700D-08
9.0000D-06	1.1509D+02	2.3872D+01	1.5121D+01	2.4772D+02	3.5631D-05	1.4690D-03	7.0528D+04	1.1135D+05	1.3193D-08
8.0000D-06	1.1511D+02	2.3533D+01	1.4830D+01	2.4872D+02	3.1664D-05	1.4646D-03	7.8923D+04	1.2524D+05	1.1694D-08
7.0000D-06	1.1512D+02	2.3194D+01	1.4539D+01	2.4985D+02	2.7699D-05	1.4601D-03	8.9700D+04	1.4309D+05	1.0204D-08
6.0000D-06	1.1514D+02	2.2853D+01	1.4247D+01	2.5116D+02	2.3736D-05	1.4556D-03	1.0405D+05	1.6690D+05	8.7213D-09
5.0000D-06	1.1516D+02	2.2511D+01	1.3953D+01	2.5270D+02	1.9776D-05	1.4511D-03	1.2412D+05	2.0024D+05	7.2471D-09
4.0000D-06	1.1518D+02	2.2168D+01	1.3659D+01	2.5458D+02	1.5817D-05	1.4467D-03	1.5419D+05	2.5024D+05	5.7811D-09
3.0000D-06	1.1520D+02	2.1824D+01	1.3364D+01	2.5700D+02	1.1860D-05	1.4421D-03	2.0426D+05	3.3357D+05	4.3234D-09
2.0000D-06	1.1522D+02	2.1479D+01	1.3068D+01	2.6039D+02	7.9045D-06	1.4376D-03	3.0434D+05	5.0024D+05	2.8739D-09
1.0000D-06	1.1524D+02	2.1133D+01	1.2770D+01	2.6618D+02	3.9513D-06	1.4331D-03	6.0442D+05	1.0002D+06	1.4328D-09
9.0000D-07	1.1524D+02	2.1099D+01	1.2741D+01	2.6706D+02	3.5561D-06	1.4327D-03	6.7110D+05	1.1114D+06	1.2891D-09
8.0000D-07	1.1524D+02	2.1064D+01	1.2711D+01	2.6804D+02	3.1609D-06	1.4322D-03	7.5444D+05	1.2502D+06	1.1455D-09
7.0000D-07	1.1524D+02	2.1029D+01	1.2681D+01	2.6915D+02	2.7657D-06	1.4317D-03	8.6159D+05	1.4288D+06	1.0021D-09
6.0000D-07	1.1524D+02	2.0995D+01	1.2651D+01	2.7044D+02	2.3705D-06	1.4313D-03	1.0045D+06	1.6669D+06	8.5865D-10
5.0000D-07	1.1525D+02	2.0960D+01	1.2621D+01	2.7196D+02	1.9754D-06	1.4308D-03	1.2045D+06	2.0002D+06	7.1533D-10
4.0000D-07	1.1525D+02	2.0925D+01	1.2591D+01	2.7381D+02	1.5803D-06	1.4304D-03	1.5045D+06	2.5002D+06	5.7210D-10
3.0000D-07	1.1525D+02	2.0891D+01	1.2562D+01	2.7621D+02	1.1852D-06	1.4299D-03	2.0045D+06	3.3336D+06	4.2895D-10
2.0000D-07	1.1525D+02	2.0856D+01	1.2532D+01	2.7958D+02	7.9010D-07	1.4295D-03	3.0045D+06	5.0002D+06	2.8588D-10
1.0000D-07	1.1525D+02	2.0821D+01	1.2502D+01	2.8535D+02	3.9504D-07	1.4290D-03	6.0046D+06	1.0000D+07	1.4290D-10
9.0000D-08	1.1525D+02	2.0818D+01	1.2499D+01	2.8622D+02	3.5554D-07	1.4290D-03	6.6713D+06	1.1111D+07	1.2861D-10
8.0000D-08	1.1525D+02	2.0814D+01	1.2496D+01	2.8720D+02	3.1603D-07	1.4289D-03	7.5046D+06	1.2500D+07	1.1431D-10
7.0000D-08	1.1525D+02	2.0811D+01	1.2493D+01	2.8831D+02	2.7653D-07	1.4289D-03	8.5761D+06	1.4286D+07	1.0002D-10

SUPERHEATED SODIUM VAPOR PROPERTIES AT T= 700.0K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHA _L (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAMMAV (MPa/K)
6.0000D-08	1.1525D+02	2.0807D+01	1.2490D+01	2.8960D+02	2.3702D-07	1.4288D-03	1.0005D+07	1.6667D+07	8.5729D-11
5.0000D-08	1.1525D+02	2.0804D+01	1.2487D+01	2.9111D+02	1.9752D-07	1.4288D-03	1.2005D+07	2.0000D+07	7.1439D-11
4.0000D-08	1.1525D+02	2.0800D+01	1.2484D+01	2.9297D+02	1.5801D-07	1.4288D-03	1.5005D+07	2.5000D+07	5.7150D-11
3.0000D-08	1.1525D+02	2.0797D+01	1.2481D+01	2.9536D+02	1.1851D-07	1.4287D-03	2.0005D+07	3.3334D+07	4.2861D-11
2.0000D-08	1.1525D+02	2.0793D+01	1.2478D+01	2.9873D+02	7.9007D-08	1.4287D-03	3.0005D+07	5.0000D+07	2.8573D-11
1.0000D-08	1.1525D+02	2.0790D+01	1.2475D+01	3.0449D+02	3.9503D-08	1.4286D-03	6.0006D+07	1.0000D+08	1.4286D-11
9.0000D-09	1.1525D+02	2.0789D+01	1.2475D+01	3.0537D+02	3.5553D-08	1.4286D-03	6.6672D+07	1.1111D+08	1.2857D-11
8.0000D-09	1.1525D+02	2.0789D+01	1.2474D+01	3.0635D+02	3.1603D-08	1.4286D-03	7.5006D+07	1.2500D+08	1.1429D-11
7.0000D-09	1.1525D+02	2.0789D+01	1.2474D+01	3.0746D+02	2.7652D-08	1.4286D-03	8.5720D+07	1.4286D+08	1.0000D-11
6.0000D-09	1.1525D+02	2.0788D+01	1.2474D+01	3.0874D+02	2.3702D-08	1.4286D-03	1.0001D+08	1.6667D+08	8.5716D-12
5.0000D-09	1.1525D+02	2.0788D+01	1.2474D+01	3.1026D+02	1.9752D-08	1.4286D-03	1.2001D+08	2.0000D+08	7.1430D-12
4.0000D-09	1.1525D+02	2.0788D+01	1.2473D+01	3.1211D+02	1.5801D-08	1.4286D-03	1.5001D+08	2.5000D+08	5.7144D-12
3.0000D-09	1.1525D+02	2.0787D+01	1.2473D+01	3.1450D+02	1.1851D-08	1.4286D-03	2.0001D+08	3.3333D+08	4.2858D-12
2.0000D-09	1.1525D+02	2.0787D+01	1.2473D+01	3.1788D+02	7.9006D-09	1.4286D-03	3.0001D+08	5.0000D+08	2.8572D-12
1.0000D-09	1.1526D+02	2.0787D+01	1.2472D+01	3.2364D+02	3.9503D-09	1.4286D-03	6.0001D+08	1.0000D+09	1.4286D-12
9.0000D-10	1.1526D+02	2.0787D+01	1.2472D+01	3.2452D+02	3.5553D-09	1.4286D-03	6.6668D+08	1.1111D+09	1.2857D-12
8.0000D-10	1.1526D+02	2.0787D+01	1.2472D+01	3.2549D+02	3.1603D-09	1.4286D-03	7.5002D+08	1.2500D+09	1.1429D-12
7.0000D-10	1.1526D+02	2.0787D+01	1.2472D+01	3.2660D+02	2.7652D-09	1.4286D-03	8.5716D+08	1.4286D+09	1.0000D-12
6.0000D-10	1.1526D+02	2.0787D+01	1.2472D+01	3.2789D+02	2.3702D-09	1.4286D-03	1.0000D+09	1.6667D+09	8.5714D-13
5.0000D-10	1.1526D+02	2.0787D+01	1.2472D+01	3.2940D+02	1.9752D-09	1.4286D-03	1.2000D+09	2.0000D+09	7.1429D-13
4.0000D-10	1.1526D+02	2.0786D+01	1.2472D+01	3.3126D+02	1.5801D-09	1.4286D-03	1.5000D+09	2.5000D+09	5.7143D-13
3.0000D-10	1.1526D+02	2.0786D+01	1.2472D+01	3.3365D+02	1.1851D-09	1.4286D-03	2.0000D+09	3.3333D+09	4.2857D-13
2.0000D-10	1.1526D+02	2.0786D+01	1.2472D+01	3.3702D+02	7.9006D-10	1.4286D-03	3.0001D+09	5.0000D+09	2.8571D-13
1.0000D-10	1.1526D+02	2.0786D+01	1.2472D+01	3.4278D+02	3.9503D-10	1.4286D-03	6.0001D+09	1.0000D+10	1.4286D-13
9.0000D-11	1.1526D+02	2.0786D+01	1.2472D+01	3.4366D+02	3.5553D-10	1.4286D-03	6.6668D+09	1.1111D+10	1.2857D-13
8.0000D-11	1.1526D+02	2.0786D+01	1.2472D+01	3.4464D+02	3.1603D-10	1.4286D-03	7.5001D+09	1.2500D+10	1.1429D-13

SUPERHEATED SODIUM VAPOR PROPERTIES AT T= 700.0K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHA P (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAMMA P (MPa/K)
7.0000D-11	1.1526D+02	2.0786D+01	1.2472D+01	3.4575D+02	2.7652D-10	1.4286D-03	8.5716D+09	1.4286D+10	1.0000D-13
6.0000D-11	1.1526D+02	2.0786D+01	1.2472D+01	3.4703D+02	2.3702D-10	1.4286D-03	1.0000D+10	1.6667D+10	8.5714D-14
5.0000D-11	1.1526D+02	2.0786D+01	1.2472D+01	3.4855D+02	1.9752D-10	1.4286D-03	1.2000D+10	2.0000D+10	7.1429D-14
4.0000D-11	1.1526D+02	2.0786D+01	1.2472D+01	3.5040D+02	1.5801D-10	1.4286D-03	1.5000D+10	2.5000D+10	5.7143D-14
3.0000D-11	1.1526D+02	2.0786D+01	1.2472D+01	3.5279D+02	1.1851D-10	1.4286D-03	2.0000D+10	3.3333D+10	4.2857D-14
2.0000D-11	1.1526D+02	2.0786D+01	1.2472D+01	3.5617D+02	7.9006D-11	1.4286D-03	3.0001D+10	5.0000D+10	2.8571D-14
1.0000D-11	1.1526D+02	2.0786D+01	1.2472D+01	3.6193D+02	3.9503D-11	1.4286D-03	6.0001D+10	1.0000D+11	1.4286D-14

SUPERHEATED SODIUM VAPOUR PROPERTIES AT T= 800.0K

P (MPa)	H-B (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	BHO (KG/M ³)	ALPHA P (K-1)	BETA S (MPa-1)	BETA T (MPa-1)	GAMMA V (MPa/K)
5.0000D-04	1.1565D+02	4.3277D+01	3.1934D+01	2.1573D+02	1.7671D-03	1.5507D-03	1.4640D+03	2.0415D+03	7.5955D-07
4.0000D-04	1.1597D+02	3.9249D+01	2.7765D+01	2.1794D+02	1.4077D-03	1.4958D-03	1.7985D+03	2.5434D+03	5.8832D-07
3.0000D-04	1.1630D+02	3.5002D+01	2.4291D+01	2.2071D+02	1.0512D-03	1.4384D-03	2.3434D+03	3.3767D+03	4.2598D-07
2.0000D-04	1.1663D+02	3.0520D+01	2.0597D+01	2.2446D+02	6.9769D-04	1.3784D-03	3.4042D+03	5.0443D+03	2.7326D-07
1.0000D-04	1.1698D+02	2.5788D+01	1.6664D+01	2.3062D+02	3.4726D-04	1.3157D-03	6.4913D+03	1.0045D+04	1.3097D-07
9.0000D-05	1.1701D+02	2.5300D+01	1.6257D+01	2.3153D+02	3.1239D-04	1.3093D-03	7.1688D+03	1.1157D+04	1.1735D-07
8.0000D-05	1.1705D+02	2.4810D+01	1.5847D+01	2.3255D+02	2.7755D-04	1.3028D-03	8.0135D+03	1.2546D+04	1.0384D-07
7.0000D-05	1.1708D+02	2.4316D+01	1.5435D+01	2.3370D+02	2.4275D-04	1.2963D-03	9.0967D+03	1.4331D+04	9.0452D-08
6.0000D-05	1.1712D+02	2.3821D+01	1.5020D+01	2.3503D+02	2.0797D-04	1.2898D-03	1.0538D+04	1.6712D+04	7.7175D-08
5.0000D-05	1.1715D+02	2.3322D+01	1.4602D+01	2.3658D+02	1.7323D-04	1.2832D-03	1.2551D+04	2.0046D+04	6.4014D-08
4.0000D-05	1.1719D+02	2.2820D+01	1.4181D+01	2.3848D+02	1.3852D-04	1.2766D-03	1.5564D+04	2.5046D+04	5.0972D-08
3.0000D-05	1.1723D+02	2.2316D+01	1.3758D+01	2.4091D+02	1.0384D-04	1.2700D-03	2.0579D+04	3.3379D+04	3.8048D-08
2.0000D-05	1.1726D+02	2.1809D+01	1.3332D+01	2.4432D+02	6.9196D-05	1.2634D-03	3.0594D+04	5.0046D+04	2.5244D-08
1.0000D-05	1.1730D+02	2.1299D+01	1.2904D+01	2.5013D+02	3.4582D-05	1.2567D-03	6.0610D+04	1.0005D+05	1.2561D-08
9.0000D-06	1.1730D+02	2.1248D+01	1.2861D+01	2.5101D+02	3.1122D-05	1.2560D-03	6.7279D+04	1.1116D+05	1.1300D-08
8.0000D-06	1.1730D+02	2.1197D+01	1.2817D+01	2.5199D+02	2.7663D-05	1.2554D-03	7.5614D+04	1.2505D+05	1.0039D-08
7.0000D-06	1.1731D+02	2.1146D+01	1.2774D+01	2.5310D+02	2.4204D-05	1.2547D-03	8.6330D+04	1.4290D+05	8.7800D-09
6.0000D-06	1.1731D+02	2.1094D+01	1.2731D+01	2.5439D+02	2.0745D-05	1.2540D-03	1.0062D+05	1.6671D+05	7.5221D-09
5.0000D-06	1.1732D+02	2.1043D+01	1.2688D+01	2.5591D+02	1.7287D-05	1.2534D-03	1.2062D+05	2.0005D+05	6.2653D-09
4.0000D-06	1.1732D+02	2.0992D+01	1.2645D+01	2.5777D+02	1.3829D-05	1.2527D-03	1.5062D+05	2.5005D+05	5.0098D-09
3.0000D-06	1.1732D+02	2.0941D+01	1.2602D+01	2.6017D+02	1.0371D-05	1.2520D-03	2.0062D+05	3.3338D+05	3.7555D-09
2.0000D-06	1.1733D+02	2.0889D+01	1.2559D+01	2.6354D+02	6.9137D-06	1.2513D-03	3.0063D+05	5.0005D+05	2.5025D-09
1.0000D-06	1.1733D+02	2.0838D+01	1.2515D+01	2.6931D+02	3.4567D-06	1.2507D-03	6.0064D+05	1.0000D+06	1.2506D-09
9.0000D-07	1.1733D+02	2.0833D+01	1.2511D+01	2.7018D+02	3.1110D-06	1.2506D-03	6.6730D+05	1.1112D+06	1.1255D-09
8.0000D-07	1.1733D+02	2.0828D+01	1.2507D+01	2.7116D+02	2.7653D-06	1.2505D-03	7.5064D+05	1.2500D+06	1.0004D-09
7.0000D-07	1.1733D+02	2.0822D+01	1.2502D+01	2.7227D+02	2.4197D-06	1.2505D-03	8.5778D+05	1.4286D+06	8.7530D-10

SUPERHEATED SODIUM VAPOR PROPERTIES AT T= 800.0K

P (MPa)	H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHAP (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAMMAV (MPa/K)
6.0000D-07	1.1733D+02	2.0817D+01	1.2498D+01	2.7356D+02	2.0740D-06	1.2504D-03	1.0006D+06	1.6667D+06	7.5022D-10
5.0000D-07	1.1733D+02	2.0812D+01	1.2494D+01	2.7507D+02	1.7283D-06	1.2503D-03	1.2006D+06	2.0000D+06	6.2515D-10
4.0000D-07	1.1733D+02	2.0807D+01	1.2489D+01	2.7693D+02	1.3826D-06	1.2503D-03	1.5007D+06	2.5000D+06	5.0010D-10
3.0000D-07	1.1733D+02	2.0802D+01	1.2485D+01	2.7932D+02	1.0370D-06	1.2502D-03	2.0007D+06	3.3334D+06	3.7506D-10
2.0000D-07	1.1733D+02	2.0797D+01	1.2481D+01	2.8269D+02	6.9131D-07	1.2501D-03	3.0007D+06	5.0000D+06	2.5002D-10
1.0000D-07	1.1733D+02	2.0792D+01	1.2476D+01	2.8846D+02	3.4565D-07	1.2501D-03	6.0008D+06	1.0000D+07	1.2501D-10
9.0000D-08	1.1733D+02	2.0791D+01	1.2476D+01	2.8933D+02	3.1109D-07	1.2501D-03	6.6674D+06	1.1111D+07	1.1250D-10
8.0000D-08	1.1733D+02	2.0791D+01	1.2476D+01	2.9031D+02	2.7652D-07	1.2501D-03	7.5008D+06	1.2500D+07	1.0000D-10
7.0000D-08	1.1733D+02	2.0790D+01	1.2475D+01	2.9142D+02	2.4196D-07	1.2500D-03	8.5722D+06	1.4286D+07	8.7503D-11
6.0000D-08	1.1733D+02	2.0789D+01	1.2475D+01	2.9270D+02	2.0739D-07	1.2500D-03	1.0001D+07	1.6667D+07	7.5002D-11
5.0000D-08	1.1733D+02	2.0789D+01	1.2474D+01	2.9422D+02	1.7283D-07	1.2500D-03	1.2001D+07	2.0000D+07	6.2502D-11
4.0000D-08	1.1733D+02	2.0788D+01	1.2474D+01	2.9607D+02	1.3826D-07	1.2500D-03	1.5001D+07	2.5000D+07	5.0001D-11
3.0000D-08	1.1733D+02	2.0788D+01	1.2473D+01	2.9847D+02	1.0370D-07	1.2500D-03	2.0001D+07	3.3333D+07	3.7501D-11
2.0000D-08	1.1733D+02	2.0797D+01	1.2473D+01	3.0184D+02	6.9131D-08	1.2500D-03	3.0001D+07	5.0000D+07	2.5000D-11
1.0000D-08	1.1733D+02	2.0787D+01	1.2473D+01	3.0760D+02	3.4565D-08	1.2500D-03	6.0002D+07	1.0000D+08	1.2500D-11
9.0000D-09	1.1733D+02	2.0787D+01	1.2472D+01	3.0848D+02	3.1109D-08	1.2500D-03	6.6669D+07	1.1111D+08	1.1250D-11
8.0000D-09	1.1733D+02	2.0787D+01	1.2472D+01	3.0946D+02	2.7652D-08	1.2500D-03	7.5002D+07	1.2500D+08	1.0000D-11
7.0000D-09	1.1733D+02	2.0787D+01	1.2472D+01	3.1057D+02	2.4196D-08	1.2500D-03	8.5717D+07	1.4286D+08	8.7500D-12
6.0000D-09	1.1733D+02	2.0787D+01	1.2472D+01	3.1185D+02	2.0739D-08	1.2500D-03	1.0000D+08	1.6667D+08	7.5000D-12
5.0000D-09	1.1733D+02	2.0787D+01	1.2472D+01	3.1336D+02	1.7283D-08	1.2500D-03	1.2000D+08	2.0000D+08	6.2500D-12
4.0000D-09	1.1733D+02	2.0787D+01	1.2472D+01	3.1522D+02	1.3826D-08	1.2500D-03	1.5000D+08	2.5000D+08	5.0000D-12
3.0000D-09	1.1733D+02	2.0787D+01	1.2472D+01	3.1761D+02	1.0370D-08	1.2500D-03	2.0000D+08	3.3333D+08	3.7500D-12
2.0000D-09	1.1733D+02	2.0787D+01	1.2472D+01	3.2098D+02	6.9131D-09	1.2500D-03	3.0001D+08	5.0000D+08	2.5000D-12
1.0000D-09	1.1733D+02	2.0786D+01	1.2472D+01	3.2675D+02	3.4565D-09	1.2500D-03	6.0001D+08	1.0000D+09	1.2500D-12
9.0000D-10	1.1733D+02	2.0786D+01	1.2472D+01	3.2762D+02	3.1109D-09	1.2500D-03	6.6668D+08	1.1111D+09	1.1250D-12
8.0000D-10	1.1733D+02	2.0786D+01	1.2472D+01	3.2860D+02	2.7652D-09	1.2500D-03	7.5001D+08	1.2500D+09	1.0000D-12

SUPERHEATED SODIUM VAPOR PROPERTIES AT T= 800.0K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHA P (K-1)	BETA S (MPa-1)	BETA T (MPa-1)	GAMMA V (MPa/K)
7.0000D-10	1.1733D+02	2.0786D+01	1.2472D+01	3.2971D+02	2.4196D-09	1.2500D-03	8.5716D+08	1.4286D+09	8.7500D-13
6.0000D-10	1.1733D+02	2.0786D+01	1.2472D+01	3.3099D+02	2.0739D-09	1.2500D-03	1.0000D+09	1.6667D+09	7.5000D-13
5.0000D-10	1.1733D+02	2.0786D+01	1.2472D+01	3.3251D+02	1.7283D-09	1.2500D-03	1.2000D+09	2.0000D+09	6.2500D-13
4.0000D-10	1.1733D+02	2.0786D+01	1.2472D+01	3.3436D+02	1.3826D-09	1.2500D-03	1.5000D+09	2.5000D+09	5.0000D-13
3.0000D-10	1.1733D+02	2.0786D+01	1.2472D+01	3.3676D+02	1.0370D-09	1.2500D-03	2.0000D+09	3.3333D+09	3.7500D-13
2.0000D-10	1.1733D+02	2.0786D+01	1.2472D+01	3.4013D+02	6.9131D-10	1.2500D-03	3.0001D+09	5.0000D+09	2.5000D-13
1.0000D-10	1.1733D+02	2.0786D+01	1.2472D+01	3.4589D+02	3.4565D-10	1.2500D-03	6.0001D+09	1.0000D+10	1.2500D-13
9.0000D-11	1.1733D+02	2.0786D+01	1.2472D+01	3.4677D+02	3.1109D-10	1.2500D-03	6.6668D+09	1.1111D+10	1.1250D-13
8.0000D-11	1.1733D+02	2.0786D+01	1.2472D+01	3.4775D+02	2.7652D-10	1.2500D-03	7.5001D+09	1.2500D+10	1.0000D-13
7.0000D-11	1.1733D+02	2.0786D+01	1.2472D+01	3.4886D+02	2.4196D-10	1.2500D-03	8.5716D+09	1.4286D+10	8.7500D-14
6.0000D-11	1.1733D+02	2.0786D+01	1.2472D+01	3.5014D+02	2.0739D-10	1.2500D-03	1.0000D+10	1.6667D+10	7.5000D-14
5.0000D-11	1.1733D+02	2.0786D+01	1.2472D+01	3.5165D+02	1.7283D-10	1.2500D-03	1.2000D+10	2.0000D+10	6.2500D-14
4.0000D-11	1.1733D+02	2.0786D+01	1.2472D+01	3.5351D+02	1.3826D-10	1.2500D-03	1.5000D+10	2.5000D+10	5.0000D-14
3.0000D-11	1.1733D+02	2.0786D+01	1.2472D+01	3.5590D+02	1.0370D-10	1.2500D-03	2.0000D+10	3.3333D+10	3.7500D-14
2.0000D-11	1.1733D+02	2.0786D+01	1.2472D+01	3.5927D+02	6.9131D-11	1.2500D-03	3.0001D+10	5.0000D+10	2.5000D-14
1.0000D-11	1.1733D+02	2.0786D+01	1.2472D+01	3.6503D+02	3.4565D-11	1.2500D-03	6.0001D+10	1.0000D+11	1.2500D-14

SUPERHEATED SODIUM VAPOR PROPERTIES AT T= 900.0K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHAP (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAHHAV (MPa/K)
2.0000D-03	1.1755D+02	4.0302D+01	2.8212D+01	2.0674D+02	6.2978D-03	1.3726D-03	3.5802D+02	5.1145D+02	2.6837D-06
1.0000D-03	1.1845D+02	3.1274D+01	2.1016D+01	2.1340D+02	3.1116D-03	1.2500D-03	6.8015D+02	1.0122D+03	1.2349D-06
9.0000D-04	1.1854D+02	3.0296D+01	2.0227D+01	2.1437D+02	2.7970D-03	1.2368D-03	7.5000D+02	1.1233D+03	1.1010D-06
8.0000D-04	1.1864D+02	2.9302D+01	1.9425D+01	2.1544D+02	2.4832D-03	1.2236D-03	8.3679D+02	1.2623D+03	9.6932D-07
7.0000D-04	1.1873D+02	2.8294D+01	1.8608D+01	2.1665D+02	2.1701D-03	1.2101D-03	9.4767D+02	1.4410D+03	8.3981D-07
6.0000D-04	1.1883D+02	2.7270D+01	1.7777D+01	2.1802D+02	1.8577D-03	1.1965D-03	1.0946D+03	1.6791D+03	7.1259D-07
5.0000D-04	1.1892D+02	2.6231D+01	1.6932D+01	2.1963D+02	1.5461D-03	1.1827D-03	1.2991D+03	2.0125D+03	5.8768D-07
4.0000D-04	1.1902D+02	2.5175D+01	1.6071D+01	2.2159D+02	1.2353D-03	1.1688D-03	1.6040D+03	2.5126D+03	4.6516D-07
3.0000D-04	1.1912D+02	2.4103D+01	1.5195D+01	2.2408D+02	9.2533D-04	1.1546D-03	2.1095D+03	3.3460D+03	3.4508D-07
2.0000D-04	1.1921D+02	2.3015D+01	1.4304D+01	2.2755D+02	6.1609D-04	1.1403D-03	3.1155D+03	5.0128D+03	2.2748D-07
1.0000D-04	1.1931D+02	2.1909D+01	1.3396D+01	2.3341D+02	3.0765D-04	1.1258D-03	6.1223D+03	1.0013D+04	1.1244D-07
9.0000D-05	1.1932D+02	2.1798D+01	1.3305D+01	2.3429D+02	2.7685D-04	1.1243D-03	6.7897D+03	1.1124D+04	1.0107D-07
8.0000D-05	1.1933D+02	2.1686D+01	1.3213D+01	2.3528D+02	2.4605D-04	1.1229D-03	7.6238D+03	1.2513D+04	8.9738D-08
7.0000D-05	1.1934D+02	2.1574D+01	1.3121D+01	2.3640D+02	2.1527D-04	1.1214D-03	8.6959D+03	1.4299D+04	7.8429D-08
6.0000D-05	1.1935D+02	2.1462D+01	1.3029D+01	2.3769D+02	1.8449D-04	1.1200D-03	1.0125D+04	1.6680D+04	6.7145D-08
5.0000D-05	1.1936D+02	2.1350D+01	1.2936D+01	2.3922D+02	1.5372D-04	1.1185D-03	1.2126D+04	2.0013D+04	5.5888D-08
4.0000D-05	1.1937D+02	2.1238D+01	1.2844D+01	2.4109D+02	1.2296D-04	1.1170D-03	1.5127D+04	2.5013D+04	4.4657D-08
3.0000D-05	1.1938D+02	2.1125D+01	1.2751D+01	2.4349D+02	9.2210D-05	1.1155D-03	2.0128D+04	3.3346D+04	3.3453D-08
2.0000D-05	1.1939D+02	2.1012D+01	1.2658D+01	2.4687D+02	6.1466D-05	1.1141D-03	3.0129D+04	5.0013D+04	2.2276D-08
1.0000D-05	1.1940D+02	2.0899D+01	1.2565D+01	2.5264D+02	3.0729D-05	1.1126D-03	6.0130D+04	1.0001D+05	1.1124D-08
9.0000D-06	1.1940D+02	2.0888D+01	1.2556D+01	2.5352D+02	2.7656D-05	1.1124D-03	6.6797D+04	1.1112D+05	1.0011D-08
8.0000D-06	1.1940D+02	2.0877D+01	1.2547D+01	2.5450D+02	2.4582D-05	1.1123D-03	7.5131D+04	1.2501D+05	8.8974D-09
7.0000D-06	1.1941D+02	2.0866D+01	1.2537D+01	2.5561D+02	2.1509D-05	1.1121D-03	8.5845D+04	1.4287D+05	7.7843D-09
6.0000D-06	1.1941D+02	2.0854D+01	1.2528D+01	2.5689D+02	1.8436D-05	1.1120D-03	1.0013D+05	1.6668D+05	6.6715D-09
5.0000D-06	1.1941D+02	2.0843D+01	1.2519D+01	2.5841D+02	1.5363D-05	1.1119D-03	1.2013D+05	2.0001D+05	5.5589D-09
4.0000D-06	1.1941D+02	2.0832D+01	1.2509D+01	2.6027D+02	1.2291D-05	1.1117D-03	1.5013D+05	2.5001D+05	4.4466D-09

SUPERHEATED SODIUM VAPOUR PROPERTIES AT T = 900.0K

P (MPa)	H-B (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHAP (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAMMAV (MPa/K)
3.0000D-06	1.1941D+02	2.0820D+01	1.2500D+01	2.6266D+02	9.2178D-06	1.1116D-03	2.0013D+05	3.3335D+05	3.3345D-09
2.0000D-06	1.1941D+02	2.0809D+01	1.2491D+01	2.6603D+02	6.1451D-06	1.1114D-03	3.0014D+05	5.0001D+05	2.228D-09
1.0000D-06	1.1941D+02	2.0798D+01	1.2481D+01	2.7180D+02	3.0725D-06	1.1113D-03	6.0014D+05	1.0000D+06	1.1112D-09
9.0000D-07	1.1941D+02	2.0797D+01	1.2480D+01	2.7267D+02	2.7653D-06	1.1112D-03	6.6681D+05	1.1111D+06	1.0001D+09
8.0000D-07	1.1941D+02	2.0795D+01	1.2480D+01	2.7365D+02	2.4580D-06	1.1112D-03	7.5014D+05	1.2500D+06	8.8897D-10
7.0000D-07	1.1941D+02	2.0794D+01	1.2479D+01	2.7476D+02	2.1508D-06	1.1112D-03	8.5729D+05	1.4286D+06	7.7784D-10
6.0000D-07	1.1941D+02	2.0793D+01	1.2478D+01	2.7604D+02	1.8435D-06	1.1112D-03	1.0002D+06	1.6667D+06	6.6671D-10
5.0000D-07	1.1941D+02	2.0792D+01	1.2477D+01	2.7756D+02	1.5362D-06	1.1112D-03	1.2002D+06	2.0000D+06	5.5559D-10
4.0000D-07	1.1941D+02	2.0791D+01	1.2476D+01	2.7941D+02	1.2290D-06	1.1112D-03	1.5002D+06	2.5000D+06	4.4447D-10
3.0000D-07	1.1941D+02	2.0790D+01	1.2475D+01	2.8181D+02	9.2175D-07	1.1112D-03	2.0002D+06	3.3333D+06	3.3335D-10
2.0000D-07	1.1941D+02	2.0789D+01	1.2474D+01	2.8518D+02	6.1450D-07	1.1111D-03	3.0002D+06	5.0000D+06	2.2223D-10
1.0000D-07	1.1941D+02	2.0788D+01	1.2473D+01	2.9094D+02	3.0725D-07	1.1111D-03	6.0002D+06	1.0000D+07	1.1111D-10
9.0000D-08	1.1941D+02	2.0787D+01	1.2473D+01	2.9182D+02	2.7652D-07	1.1111D-03	6.6669D+06	1.1111D+07	1.0000D-10
8.0000D-08	1.1941D+02	2.0787D+01	1.2473D+01	2.9280D+02	2.4580D-07	1.1111D-03	7.5003D+06	1.2500D+07	8.8890D-11
7.0000D-08	1.1941D+02	2.0787D+01	1.2473D+01	2.9391D+02	2.1507D-07	1.1111D-03	8.5717D+06	1.4286D+07	7.7778D-11
6.0000D-08	1.1941D+02	2.0787D+01	1.2473D+01	2.9519D+02	1.8435D-07	1.1111D-03	1.0000D+07	1.6667D+07	6.6667D-11
5.0000D-08	1.1941D+02	2.0787D+01	1.2473D+01	2.9670D+02	1.5362D-07	1.1111D-03	1.2000D+07	2.0000D+07	5.5556D-11
4.0000D-08	1.1941D+02	2.0787D+01	1.2472D+01	2.9856D+02	1.2290D-07	1.1111D-03	1.5000D+07	2.5000D+07	4.4445D-11
3.0000D-08	1.1941D+02	2.0787D+01	1.2472D+01	3.0095D+02	9.2174D-08	1.1111D-03	2.0001D+07	3.3333D+07	3.3333D-11
2.0000D-08	1.1941D+02	2.0787D+01	1.2472D+01	3.0432D+02	6.1449D-08	1.1111D-03	3.0001D+07	5.0000D+07	2.2222D-11
1.0000D-08	1.1941D+02	2.0787D+01	1.2472D+01	3.1009D+02	3.0725D-08	1.1111D-03	6.0001D+07	1.0000D+08	1.1111D-11
9.0000D-09	1.1941D+02	2.0787D+01	1.2472D+01	3.1096D+02	2.7652D-08	1.1111D-03	6.6668D+07	1.1111D+08	1.0000D-11
8.0000D-09	1.1941D+02	2.0787D+01	1.2472D+01	3.1194D+02	2.4580D-08	1.1111D-03	7.5002D+07	1.2500D+08	8.8889D-12
7.0000D-09	1.1941D+02	2.0786D+01	1.2472D+01	3.1305D+02	2.1507D-08	1.1111D-03	8.5716D+07	1.4286D+08	7.7778D-12
6.0000D-09	1.1941D+02	2.0786D+01	1.2472D+01	3.1433D+02	1.8435D-08	1.1111D-03	1.0000D+08	1.6667D+08	6.6667D-12
5.0000D-09	1.1941D+02	2.0786D+01	1.2472D+01	3.1585D+02	1.5362D-08	1.1111D-03	1.2000D+08	2.0000D+08	5.5556D-12

SUPERHEATED SODIUM VAPOR PROPERTIES AT T= 900.0K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHAP (K-1)	BETAHS (MPa-1)	BETAT (MPa-1)	GAMMAV (MPa/K)
4.0000D-09	1.1941D+02	2.0786D+01	1.2472D+01	3.1770D+02	1.2290D-08	1.1111D-03	1.5000D+08	2.5000D+08	4.4444D-12
3.0000D-09	1.1941D+02	2.0786D+01	1.2472D+01	3.2010D+02	9.2174D-09	1.1111D-03	2.0000D+08	3.3333D+08	3.3333D-12
2.0000D-09	1.1941D+02	2.0786D+01	1.2472D+01	3.2347D+02	6.1449D-09	1.1111D-03	3.0001D+08	5.0000D+08	2.2222D-12
1.0000D-09	1.1941D+02	2.0786D+01	1.2472D+01	3.2923D+02	3.0725D-09	1.1111D-03	6.0001D+08	1.0000D+09	1.1111D-12
9.0000D-10	1.1941D+02	2.0786D+01	1.2472D+01	3.3011D+02	2.7652D-09	1.1111D-03	6.6668D+08	1.1111D+09	1.0000D-12
8.0000D-10	1.1941D+02	2.0786D+01	1.2472D+01	3.3109D+02	2.4580D-09	1.1111D-03	7.5001D+08	1.2500D+09	8.8889D-13
7.0000D-10	1.1941D+02	2.0786D+01	1.2472D+01	3.3220D+02	2.1507D-09	1.1111D-03	8.5716D+08	1.4286D+09	7.7778D-13
6.0000D-10	1.1941D+02	2.0786D+01	1.2472D+01	3.3308D+02	1.8435D-09	1.1111D-03	1.0000D+09	1.6667D+09	6.6667D-13
5.0000D-10	1.1941D+02	2.0786D+01	1.2472D+01	3.3499D+02	1.5362D-09	1.1111D-03	1.2000D+09	2.0000D+09	5.5556D-13
4.0000D-10	1.1941D+02	2.0786D+01	1.2472D+01	3.3685D+02	1.2290D-09	1.1111D-03	1.5000D+09	2.5000D+09	4.4444D-13
3.0000D-10	1.1941D+02	2.0786D+01	1.2472D+01	3.3924D+02	9.2174D-10	1.1111D-03	2.0000D+09	3.3333D+09	3.3333D-13
2.0000D-10	1.1941D+02	2.0786D+01	1.2472D+01	3.4261D+02	6.1449D-10	1.1111D-03	3.0001D+09	5.0000D+09	2.2222D-13
1.0000D-10	1.1941D+02	2.0786D+01	1.2472D+01	3.4837D+02	3.0725D-10	1.1111D-03	6.0001D+09	1.0000D+10	1.1111D-13
9.0000D-11	1.1941D+02	2.0786D+01	1.2472D+01	3.4925D+02	2.7652D-10	1.1111D-03	6.6668D+09	1.1111D+10	1.0000D-13
8.0000D-11	1.1941D+02	2.0786D+01	1.2472D+01	3.5023D+02	2.4580D-10	1.1111D-03	7.5001D+09	1.2500D+10	8.8889D-14
7.0000D-11	1.1941D+02	2.0786D+01	1.2472D+01	3.5134D+02	2.1507D-10	1.1111D-03	8.5716D+09	1.4286D+10	7.7778D-14
6.0000D-11	1.1941D+02	2.0786D+01	1.2472D+01	3.5262D+02	1.8435D-10	1.1111D-03	1.0000D+10	1.6667D+10	6.6667D-14
5.0000D-11	1.1941D+02	2.0786D+01	1.2472D+01	3.5414D+02	1.5362D-10	1.1111D-03	1.2000D+10	2.0000D+10	5.5556D-14
4.0000D-11	1.1941D+02	2.0786D+01	1.2472D+01	3.5599D+02	1.2290D-10	1.1111D-03	1.5000D+10	2.5000D+10	4.4444D-14
3.0000D-11	1.1941D+02	2.0786D+01	1.2472D+01	3.5838D+02	9.2174D-11	1.1111D-03	2.0000D+10	3.3333D+10	3.3333D-14
2.0000D-11	1.1941D+02	2.0786D+01	1.2472D+01	3.6176D+02	6.1449D-11	1.1111D-03	3.0001D+10	5.0000D+10	2.2222D-14
1.0000D-11	1.1941D+02	2.0786D+01	1.2472D+01	3.6752D+02	3.0725D-11	1.1111D-03	6.0001D+10	1.0000D+11	1.1111D-14

SUPERHEATED SODIUM VAPOE PROPERTIES AT T= 1000.0K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHAP (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAMMAT (MPa/K)
1.0000D-02	1.1833D+02	4.6327D+01	3.2375D+01	1.9442D+02	2.8643D-02	1.3485D-03	7.2521D+01	1.0378D+02	1.2994D-05
9.0000D-03	1.1861D+02	4.4318D+01	3.0861D+01	1.9554D+02	2.5859D-02	1.3198D-03	8.0052D+01	1.1496D+02	1.1480D-05
8.0000D-03	1.1890D+02	4.2208D+01	2.9261D+01	1.9678D+02	2.2896D-02	1.2899D-03	8.9377D+01	1.2892D+02	1.0005D-05
7.0000D-03	1.1920D+02	3.9991D+01	2.7570D+01	1.9815D+02	1.9955D-02	1.2589D-03	1.0124D+02	1.4686D+02	8.5719D-06
6.0000D-03	1.1950D+02	3.7660D+01	2.5779D+01	1.9970D+02	1.7034D-02	1.2265D-03	1.1688D+02	1.7075D+02	7.1829D-06
5.0000D-03	1.1981D+02	3.5206D+01	2.3883D+01	2.0149D+02	1.4136D-02	1.1927D-03	1.3850D+02	2.0417D+02	5.8419D-06
4.0000D-03	1.2013D+02	3.2622D+01	2.1871D+01	2.0362D+02	1.1261D-02	1.1575D-03	1.7046D+02	2.5426D+02	4.5525D-06
3.0000D-03	1.2046D+02	2.9899D+01	1.9735D+01	2.0631D+02	8.4094D-03	1.1207D-03	2.2289D+02	3.3769D+02	3.3189D-06
2.0000D-03	1.2079D+02	2.7026D+01	1.7464D+01	2.0998D+02	5.5814D-03	1.0823D-03	3.2598D+02	5.0445D+02	2.1455D-06
1.0000D-03	1.2114D+02	2.3992D+01	1.5047D+01	2.1605D+02	2.7781D-03	1.0421D-03	6.3004D+02	1.0046D+03	1.0374D-06
9.0000D-04	1.2117D+02	2.3679D+01	1.4797D+01	2.1695D+02	2.4991D-03	1.0380D-03	6.9718D+02	1.1157D+03	9.3035D-07
8.0000D-04	1.2121D+02	2.3365D+01	1.4545D+01	2.1796D+02	2.2204D-03	1.0338D-03	7.8101D+02	1.2546D+03	8.2405D-07
7.0000D-04	1.2124D+02	2.3049D+01	1.4292D+01	2.1910D+02	1.9420D-03	1.0297D-03	8.8865D+02	1.4332D+03	7.1846D-07
6.0000D-04	1.2128D+02	2.2731D+01	1.4037D+01	2.2042D+02	1.6638D-03	1.0255D-03	1.0320D+03	1.6713D+03	6.1360D-07
5.0000D-04	1.2131D+02	2.2412D+01	1.3780D+01	2.2197D+02	1.3858D-03	1.0213D-03	1.2326D+03	2.0046D+03	5.0947D-07
4.0000D-04	1.2135D+02	2.2090D+01	1.3522D+01	2.2385D+02	1.1082D-03	1.0171D-03	1.5332D+03	2.5046D+03	4.0608D-07
3.0000D-04	1.2138D+02	2.1767D+01	1.3262D+01	2.2628D+02	8.3073D-04	1.0128D-03	2.0337D+03	3.3380D+03	3.0343D-07
2.0000D-04	1.2142D+02	2.1442D+01	1.3000D+01	2.2968D+02	5.5356D-04	1.0086D-03	3.0344D+03	5.0046D+03	2.0153D-07
1.0000D-04	1.2146D+02	2.1115D+01	1.2737D+01	2.3547D+02	2.7665D-04	1.0043D-03	6.0350D+03	1.0005D+04	1.0038D-07
9.0000D-05	1.2146D+02	2.1082D+01	1.2711D+01	2.3635D+02	2.4898D-04	1.0039D-03	6.7018D+03	1.1116D+04	9.0310D-08
8.0000D-05	1.2146D+02	2.1049D+01	1.2684D+01	2.3734D+02	2.2130D-04	1.0034D-03	7.5352D+03	1.2505D+04	8.0245D-08
7.0000D-05	1.2147D+02	2.1017D+01	1.2658D+01	2.3845D+02	1.9363D-04	1.0030D-03	8.4067D+03	1.4290D+04	7.0188D-08
6.0000D-05	1.2147D+02	2.0984D+01	1.2631D+01	2.3973D+02	1.6596D-04	1.0026D-03	1.0035D+04	1.6671D+04	6.0138D-08
5.0000D-05	1.2147D+02	2.0951D+01	1.2605D+01	2.4125D+02	1.3829D-04	1.0022D-03	1.2035D+04	2.0005D+04	5.0096D-08
4.0000D-05	1.2148D+02	2.0918D+01	1.2578D+01	2.4311D+02	1.1063D-04	1.0017D-03	1.5036D+04	2.5005D+04	4.0061D-08
3.0000D-05	1.2148D+02	2.0885D+01	1.2552D+01	2.4551D+02	8.2968D-05	1.0013D-03	2.0036D+04	3.3338D+04	3.0035D-08

SUPERHEATED SODIUM VAPOR PROPERTIES AT T= 1000.0K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHAAP (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAMMAV (MPa/K)
2.0000D-05	1.2148D+02	2.0852D+01	1.2525D+01	2.4888D+02	5.5310D-05	1.0009D-03	3.0036D+04	5.0005D+04	2.0015D-08
1.0000D-05	1.2149D+02	2.0819D+01	1.2499D+01	2.5465D+02	2.7654D-05	1.0004D-03	6.0037D+04	1.0000D+05	1.0004D-08
9.0000D-06	1.2149D+02	2.0816D+01	1.2496D+01	2.5552D+02	2.4888D-05	1.0004D-03	6.6703D+04	1.1112D+05	9.0031D-09
8.0000D-06	1.2149D+02	2.0813D+01	1.2493D+01	2.5650D+02	2.2123D-05	1.0003D-03	7.5037D+04	1.2500D+05	8.0025D-09
7.0000D-06	1.2149D+02	2.0809D+01	1.2491D+01	2.5761D+02	1.9357D-05	1.0003D-03	8.5751D+04	1.4286D+05	7.0019D-09
6.0000D-06	1.2149D+02	2.0806D+01	1.2488D+01	2.5890D+02	1.6592D-05	1.0003D-03	1.0004D+05	1.6667D+05	6.0014D-09
5.0000D-06	1.2149D+02	2.0803D+01	1.2485D+01	2.6041D+02	1.3826D-05	1.0002D-03	1.2004D+05	2.0000D+05	5.0010D-09
4.0000D-06	1.2149D+02	2.0800D+01	1.2483D+01	2.6227D+02	1.1061D-05	1.0002D-03	1.5004D+05	2.5000D+05	4.0006D-09
3.0000D-06	1.2149D+02	2.0796D+01	1.2480D+01	2.6466D+02	8.2958D-06	1.0001D-03	2.0004D+05	3.3334D+05	3.0003D-09
2.0000D-06	1.2149D+02	2.0793D+01	1.2477D+01	2.6803D+02	5.5305D-06	1.0001D-03	3.0004D+05	5.0000D+05	2.0002D-09
1.0000D-06	1.2149D+02	2.0790D+01	1.2475D+01	2.7379D+02	2.7652D-06	1.0000D-03	6.0005D+05	1.0000D+06	1.0000D-09
9.0000D-07	1.2149D+02	2.0789D+01	1.2475D+01	2.7467D+02	2.4887D-06	1.0000D-03	6.6672D+05	1.1111D+06	9.0003D-10
8.0000D-07	1.2149D+02	2.0789D+01	1.2474D+01	2.7565D+02	2.2122D-06	1.0000D-03	7.5005D+05	1.2500D+06	8.0002D-10
7.0000D-07	1.2149D+02	2.0789D+01	1.2474D+01	2.7676D+02	1.9357D-06	1.0000D-03	8.5720D+05	1.4286D+06	7.0002D-10
6.0000D-07	1.2149D+02	2.0788D+01	1.2474D+01	2.7804D+02	1.6591D-06	1.0000D-03	1.0001D+06	1.6667D+06	6.0001D-10
5.0000D-07	1.2149D+02	2.0788D+01	1.2473D+01	2.7956D+02	1.3826D-06	1.0000D-03	1.2001D+06	2.0000D+06	5.0001D-10
4.0000D-07	1.2149D+02	2.0788D+01	1.2473D+01	2.8141D+02	1.1061D-06	1.0000D-03	1.5001D+06	2.5000D+06	4.0001D-10
3.0000D-07	1.2149D+02	2.0787D+01	1.2473D+01	2.8381D+02	8.2957D-07	1.0000D-03	2.0001D+06	3.3333D+06	3.0000D-10
2.0000D-07	1.2149D+02	2.0787D+01	1.2473D+01	2.8718D+02	5.5305D-07	1.0000D-03	3.0001D+06	5.0000D+06	2.0000D-10
1.0000D-07	1.2149D+02	2.0787D+01	1.2472D+01	2.9294D+02	2.7652D-07	1.0000D-03	6.0001D+06	1.0000D+07	1.0000D-10
9.0000D-08	1.2149D+02	2.0787D+01	1.2472D+01	2.9382D+02	2.4887D-07	1.0000D-03	6.6668D+06	1.1111D+07	9.0000D-11
8.0000D-08	1.2149D+02	2.0787D+01	1.2472D+01	2.9479D+02	2.2122D-07	1.0000D-03	7.5002D+06	1.2500D+07	8.0000D-11
7.0000D-08	1.2149D+02	2.0787D+01	1.2472D+01	2.9590D+02	1.9357D-07	1.0000D-03	8.5716D+06	1.4286D+07	7.0000D-11
6.0000D-08	1.2149D+02	2.0787D+01	1.2472D+01	2.9719D+02	1.6591D-07	1.0000D-03	1.0000D+07	1.6667D+07	6.0000D-11
5.0000D-08	1.2149D+02	2.0787D+01	1.2472D+01	2.9870D+02	1.3826D-07	1.0000D-03	1.2000D+07	2.0000D+07	5.0000D-11
4.0000D-08	1.2149D+02	2.0787D+01	1.2472D+01	3.0056D+02	1.1061D-07	1.0000D-03	1.5000D+07	2.5000D+07	4.0000D-11

SUPERHEATED SODIUM VAPOR PROPERTIES AT T= 1000.0K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHAP (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAMMAV (MPa/K)
3.0000D-08	1.2149D+02	2.0787D+01	1.2472D+01	3.0295D+02	8.2957D-08	1.0000D-03	2.0000D+07	3.3333D+07	3.0000D-11
2.0000D-08	1.2149D+02	2.0786D+01	1.2472D+01	3.0632D+02	5.5305D-08	1.0000D-03	3.0001D+07	5.0000D+07	2.0000D-11
1.0000D-08	1.2149D+02	2.0786D+01	1.2472D+01	3.1208D+02	2.7652D-08	1.0000D-03	6.0001D+07	1.0000D+08	1.0000D-11
9.0000D-09	1.2149D+02	2.0786D+01	1.2472D+01	3.1296D+02	2.4867D-08	1.0000D-03	6.6668D+07	1.1111D+08	9.0000D-12
8.0000D-09	1.2149D+02	2.0786D+01	1.2472D+01	3.1394D+02	2.2122D-08	1.0000D-03	7.5001D+07	1.2500D+08	8.0000D-12
7.0000D-09	1.2149D+02	2.0786D+01	1.2472D+01	3.1505D+02	1.9357D-08	1.0000D-03	8.5716D+07	1.4286D+08	7.0000D-12
6.0000D-09	1.2149D+02	2.0786D+01	1.2472D+01	3.1633D+02	1.6591D-08	1.0000D-03	1.0000D+08	1.6667D+08	6.0000D-12
5.0000D-09	1.2149D+02	2.0786D+01	1.2472D+01	3.1785D+02	1.3826D-08	1.0000D-03	1.2000D+08	2.0000D+08	5.0000D-12
4.0000D-09	1.2149D+02	2.0786D+01	1.2472D+01	3.1970D+02	1.1061D-08	1.0000D-03	1.5000D+08	2.5000D+08	4.0000D-12
3.0000D-09	1.2149D+02	2.0786D+01	1.2472D+01	3.2209D+02	8.2957D-09	1.0000D-03	2.0000D+08	3.3333D+08	3.0000D-12
2.0000D-09	1.2149D+02	2.0786D+01	1.2472D+01	3.2547D+02	5.5304D-09	1.0000D-03	3.0001D+08	5.0000D+08	2.0000D-12
1.0000D-09	1.2149D+02	2.0786D+01	1.2472D+01	3.3123D+02	2.7652D-09	1.0000D-03	6.0001D+08	1.0000D+09	1.0000D-12
9.0000D-10	1.2149D+02	2.0786D+01	1.2472D+01	3.3210D+02	2.4887D-09	1.0000D-03	6.6668D+08	1.1111D+09	9.0000D-13
8.0000D-10	1.2149D+02	2.0786D+01	1.2472D+01	3.3308D+02	2.2122D-09	1.0000D-03	7.5001D+08	1.2500D+09	8.0000D-13
7.0000D-10	1.2149D+02	2.0786D+01	1.2472D+01	3.3419D+02	1.9357D-09	1.0000D-03	8.5716D+08	1.4286D+09	7.0000D-13
6.0000D-10	1.2149D+02	2.0786D+01	1.2472D+01	3.3548D+02	1.6591D-09	1.0000D-03	1.0000D+09	1.6667D+09	6.0000D-13
5.0000D-10	1.2149D+02	2.0786D+01	1.2472D+01	3.3699D+02	1.3826D-09	1.0000D-03	1.2000D+09	2.0000D+09	5.0000D-13
4.0000D-10	1.2149D+02	2.0786D+01	1.2472D+01	3.3885D+02	1.1061D-09	1.0000D-03	1.5000D+09	2.5000D+09	4.0000D-13
3.0000D-10	1.2149D+02	2.0786D+01	1.2472D+01	3.4124D+02	8.2957D-10	1.0000D-03	2.0000D+09	3.3333D+09	3.0000D-13
2.0000D-10	1.2149D+02	2.0786D+01	1.2472D+01	3.4461D+02	5.5304D-10	1.0000D-03	3.0001D+09	5.0000D+09	2.0000D-13
1.0000D-10	1.2149D+02	2.0786D+01	1.2472D+01	3.5037D+02	2.7652D-10	1.0000D-03	6.0001D+09	1.0000D+10	1.0000D-13
9.0000D-11	1.2149D+02	2.0786D+01	1.2472D+01	3.5125D+02	2.4887D-10	1.0000D-03	6.6668D+09	1.1111D+10	9.0000D-14
8.0000D-11	1.2149D+02	2.0786D+01	1.2472D+01	3.5223D+02	2.2122D-10	1.0000D-03	7.5001D+09	1.2500D+10	8.0000D-14
7.0000D-11	1.2149D+02	2.0786D+01	1.2472D+01	3.5334D+02	1.9357D-10	1.0000D-03	8.5716D+09	1.4286D+10	7.0000D-14
6.0000D-11	1.2149D+02	2.0786D+01	1.2472D+01	3.5462D+02	1.6591D-10	1.0000D-03	1.0000D+10	1.6667D+10	6.0000D-14
5.0000D-11	1.2149D+02	2.0786D+01	1.2472D+01	3.5614D+02	1.3826D-10	1.0000D-03	1.2000D+10	2.0000D+10	5.0000D-14

SUPERHEATED SODIUM VAPOR PROPERTIES AT T= 1000.0K

P (MPa)	H-B (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHAP (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAMMAV (MPa/K)
4.0000D-11	1.2149D+02	2.0786D+01	1.2472D+01	3.5799D+02	1.1061D-10	1.0000D-03	1.5000D+10	2.5000D+10	4.0000D-14
3.0000D-11	1.2149D+02	2.0786D+01	1.2472D+01	3.6038D+02	8.2957D-11	1.0000D-03	2.0000D+10	3.3333D+10	3.0000D-14
2.0000D-11	1.2149D+02	2.0786D+01	1.2472D+01	3.6375D+02	5.5304D-11	1.0000D-03	3.0001D+10	5.0000D+10	2.0000D-14
1.0000D-11	1.2149D+02	2.0786D+01	1.2472D+01	3.6952D+02	2.7652D-11	1.0000D-03	6.0001D+10	1.0000D+11	1.0000D-14

SUPERHEATED SODIUM VAPOR PROPERTIES AT T= 1100.0K

P (MPa)	H-B (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	BHO (KG/M**3)	ALPHAP (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAMMAV (MPa-K)
5.0000D-02	1.1753D+02	5.6746D+01	3.9207D+01	1.8972D+02	1.3649D-01	1.4227D-03	1.4757D+01	2.1358D+01	6.6610D-05
4.0000D-02	1.1852D+02	5.2085D+01	3.5942D+01	1.8334D+02	1.0767D-01	1.3489D-03	1.8252D+01	2.6449D+01	5.0999D-05
3.0000D-02	1.1960D+02	4.6485D+01	3.1935D+01	1.8658D+02	7.9541D-02	1.2642D-03	2.3969D+01	3.4889D+01	3.6234D-05
2.0000D-02	1.2079D+02	3.9679D+01	2.6946D+01	1.9088D+02	5.2173D-02	1.1656D-03	3.5098D+01	5.1683D+01	2.2553D-05
1.0000D-02	1.2210D+02	3.1290D+01	2.0632D+01	1.9768D+02	2.5630D-02	1.0491D-03	6.7145D+01	1.0183D+02	1.0302D-05
9.0000D-03	1.2224D+02	3.0346D+01	1.9909D+01	1.9867D+02	2.3024D-02	1.0363D-03	7.4112D+01	1.1296D+02	9.1735D-06
8.0000D-03	1.2238D+02	2.9380D+01	1.9168D+01	1.9976D+02	2.0427D-02	1.0232D-03	8.2772D+01	1.2687D+02	8.0650D-06
7.0000D-03	1.2252D+02	2.8391D+01	1.8407D+01	2.0098D+02	1.7840D-02	1.0099D-03	9.3843D+01	1.4474D+02	6.9770D-06
6.0000D-03	1.2267D+02	2.7380D+01	1.7626D+01	2.0238D+02	1.5263D-02	9.9629D-04	1.0852D+02	1.6857D+02	5.9103D-06
5.0000D-03	1.2281D+02	2.6345D+01	1.6824D+01	2.0401D+02	1.2694D-02	9.8246D-04	1.2895D+02	2.0192D+02	4.8655D-06
4.0000D-03	1.2296D+02	2.5285D+01	1.6001D+01	2.0598D+02	1.0136D-02	9.6836D-04	1.5943D+02	2.5194D+02	3.8436D-06
3.0000D-03	1.2311D+02	2.4200D+01	1.5154D+01	2.0850D+02	7.5869D-03	9.5398D-04	2.0996D+02	3.3529D+02	2.8452D-06
2.0000D-03	1.2326D+02	2.3089D+01	1.4285D+01	2.1199D+02	5.0479D-03	9.3931D-04	3.1056D+02	5.0198D+02	1.8712D-06
1.0000D-03	1.2341D+02	2.1952D+01	1.3391D+01	2.1787D+02	2.5189D-03	9.2435D-04	6.1124D+02	1.0020D+03	9.2251D-07
9.0000D-04	1.2343D+02	2.1837D+01	1.3300D+01	2.1876D+02	2.2666D-03	9.2284D-04	6.7798D+02	1.1131D+03	8.2906D-07
8.0000D-04	1.2345D+02	2.1721D+01	1.3209D+01	2.1975D+02	2.0143D-03	9.2132D-04	7.6139D+02	1.2520D+03	7.3588D-07
7.0000D-04	1.2346D+02	2.1605D+01	1.3118D+01	2.2088D+02	1.7622D-03	9.1981D-04	8.6860D+02	1.4306D+03	6.4296D-07
6.0000D-04	1.2348D+02	2.1489D+01	1.3026D+01	2.2217D+02	1.5101D-03	9.1828D-04	1.0115D+03	1.6687D+03	5.5031D-07
5.0000D-04	1.2349D+02	2.1373D+01	1.2935D+01	2.2370D+02	1.2582D-03	9.1676D-04	1.2116D+03	2.0020D+03	4.5792D-07
4.0000D-04	1.2351D+02	2.1256D+01	1.2843D+01	2.2557D+02	1.0064D-03	9.1523D-04	1.5117D+03	2.5020D+03	3.6580D-07
3.0000D-04	1.2352D+02	2.1139D+01	1.2750D+01	2.2797D+02	7.5461D-04	9.1379D-04	2.0118D+03	3.3353D+03	2.7395D-07
2.0000D-04	1.2354D+02	2.1022D+01	1.2658D+01	2.3135D+02	5.0297D-04	9.1217D-04	3.0119D+03	5.0020D+03	1.8236D-07
1.0000D-04	1.2355D+02	2.0904D+01	1.2565D+01	2.3713D+02	2.5144D-04	9.1063D-04	6.0120D+03	1.0002D+04	9.1045D-08
9.0000D-05	1.2356D+02	2.0892D+01	1.2556D+01	2.3801D+02	2.2629D-04	9.1048D-04	6.6787D+03	1.1113D+04	8.1928D-08
8.0000D-05	1.2356D+02	2.0881D+01	1.2547D+01	2.3899D+02	2.0114D-04	9.1032D-04	7.5121D+03	1.2502D+04	7.2814D-08
7.0000D-05	1.2356D+02	2.0869D+01	1.2537D+01	2.4010D+02	1.7599D-04	9.1017D-04	8.5835D+03	1.4288D+04	6.3703D-08

SUPERHEATED SODIUM VAPOR PROPERTIES AT T= 1100.0K

P (MPa)	H-H(298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHAP (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAMMAT (MPa/K)
6.0000D-05	1.2356D+02	2.0857D+01	1.2528D+01	2.4138D+02	1.5085D-04	9.1002D-04	1.0012D+04	1.6669D+04	5.4594D-08
5.0000D-05	1.2356D+02	2.0845D+01	1.2519D+01	2.4290D+02	1.2570D-04	9.0986D-04	1.2012D+04	2.0002D+04	4.5488D-08
4.0000D-05	1.2356D+02	2.0834D+01	1.2509D+01	2.4475D+02	1.0056D-04	9.0971D-04	1.5012D+04	2.5002D+04	3.6385D-08
3.0000D-05	1.2356D+02	2.0822D+01	1.2500D+01	2.4715D+02	7.5420D-05	9.0955D-04	2.0012D+04	3.3335D+04	2.7235D-08
2.0000D-05	1.2357D+02	2.0810D+01	1.2491D+01	2.5052D+02	5.0279D-05	9.0940D-04	3.0013D+04	5.0002D+04	1.8187D-08
1.0000D-05	1.2357D+02	2.0798D+01	1.2481D+01	2.5628D+02	2.5139D-05	9.0925D-04	6.0013D+04	1.0000D+05	9.0923D-09
9.0000D-06	1.2357D+02	2.0797D+01	1.2480D+01	2.5716D+02	2.2625D-05	9.0923D-04	6.6680D+04	1.1111D+05	8.1829D-09
8.0000D-06	1.2357D+02	2.0796D+01	1.2480D+01	2.5814D+02	2.0111D-05	9.0921D-04	7.5013D+04	1.2500D+05	7.2736D-09
7.0000D-06	1.2357D+02	2.0795D+01	1.2479D+01	2.5925D+02	1.7597D-05	9.0920D-04	8.5728D+04	1.4286D+05	6.3643D-09
6.0000D-06	1.2357D+02	2.0793D+01	1.2478D+01	2.6053D+02	1.5083D-05	9.0918D-04	1.0001D+05	1.6667D+05	5.4550D-09
5.0000D-06	1.2357D+02	2.0792D+01	1.2477D+01	2.6205D+02	1.2569D-05	9.0917D-04	1.2001D+05	2.0000D+05	4.5458D-09
4.0000D-06	1.2357D+02	2.0791D+01	1.2476D+01	2.6390D+02	1.0055D-05	9.0915D-04	1.5002D+05	2.5000D+05	3.6366D-09
3.0000D-06	1.2357D+02	2.0790D+01	1.2475D+01	2.6630D+02	7.5416D-06	9.0914D-04	2.0002D+05	3.3334D+05	2.7274D-09
2.0000D-06	1.2357D+02	2.0789D+01	1.2474D+01	2.6967D+02	5.0277D-06	9.0912D-04	3.0002D+05	5.0000D+05	1.8182D-09
1.0000D-06	1.2357D+02	2.0788D+01	1.2473D+01	2.7543D+02	2.5138D-06	9.0911D-04	6.0002D+05	1.0000D+06	9.0910D-10
9.0000D-07	1.2357D+02	2.0787D+01	1.2473D+01	2.7631D+02	2.2625D-06	9.0910D-04	6.6669D+05	1.1111D+06	8.1819D-10
8.0000D-07	1.2357D+02	2.0787D+01	1.2473D+01	2.7729D+02	2.0111D-06	9.0910D-04	7.5003D+05	1.2500D+06	7.2728D-10
7.0000D-07	1.2357D+02	2.0787D+01	1.2473D+01	2.7840D+02	1.7597D-06	9.0910D-04	8.5717D+05	1.4286D+06	6.3637D-10
6.0000D-07	1.2357D+02	2.0787D+01	1.2473D+01	2.7968D+02	1.5083D-06	9.0910D-04	1.0000D+06	1.6667D+06	5.4546D-10
5.0000D-07	1.2357D+02	2.0787D+01	1.2473D+01	2.8119D+02	1.2569D-06	9.0910D-04	1.2000D+06	2.0000D+06	4.5455D-10
4.0000D-07	1.2357D+02	2.0787D+01	1.2472D+01	2.8305D+02	1.0055D-06	9.0910D-04	1.5000D+06	2.5000D+06	3.6364D-10
3.0000D-07	1.2357D+02	2.0787D+01	1.2472D+01	2.8544D+02	7.5415D-07	9.0910D-04	2.0000D+06	3.3333D+06	2.7273D-10
2.0000D-07	1.2357D+02	2.0787D+01	1.2472D+01	2.8861D+02	5.0277D-07	9.0909D-04	3.0001D+06	5.0000D+06	1.8182D-10
1.0000D-07	1.2357D+02	2.0787D+01	1.2472D+01	2.9457D+02	2.5138D-07	9.0909D-04	6.0001D+06	1.0000D+07	9.0909D-11
9.0000D-08	1.2357D+02	2.0787D+01	1.2472D+01	2.9545D+02	2.2625D-07	9.0909D-04	6.6668D+06	1.1111D+07	8.1818D-11
8.0000D-08	1.2357D+02	2.0786D+01	1.2472D+01	2.9643D+02	2.0111D-07	9.0909D-04	7.5001D+06	1.2500D+07	7.2727D-11

SUPERHEATED SODIUM VAPOR PROPERTIES AT T= 1100.0K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHU (KG/M**3)	ALPHAP (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAMHAT (MPa/K)
7.0000D-08	1.2357D+02	2.0786D+01	1.2472D+01	2.9754D+02	1.7597D-07	9.0909D-04	8.5716D+06	1.4286D+07	6.3636D-11
6.0000D-08	1.2357D+02	2.0786D+01	1.2472D+01	2.9882D+02	1.5083D-07	9.0909D-04	1.0000D+07	1.6667D+07	5.4546D-11
5.0000D-08	1.2357D+02	2.0786D+01	1.2472D+01	3.0034D+02	1.2569D-07	9.0909D-04	1.2000D+07	2.0000D+07	4.5455D-11
4.0000D-08	1.2357D+02	2.0786D+01	1.2472D+01	3.0219D+02	1.0055D-07	9.0909D-04	1.5000D+07	2.5000D+07	3.6364D-11
3.0000D-08	1.2357D+02	2.0786D+01	1.2472D+01	3.0458D+02	7.5415D-08	9.0909D-04	2.0000D+07	3.3333D+07	2.7273D-11
2.0000D-08	1.2357D+02	2.0786D+01	1.2472D+01	3.0796D+02	5.0277D-08	9.0909D-04	3.0001D+07	5.0000D+07	1.8182D-11
1.0000D-08	1.2357D+02	2.0786D+01	1.2472D+01	3.1372D+02	2.5138D-08	9.0909D-04	6.0001D+07	1.0000D+08	9.0909D-12
9.0000D-09	1.2357D+02	2.0786D+01	1.2472D+01	3.1460D+02	2.2625D-08	9.0909D-04	6.6668D+07	1.1111D+08	8.1818D-12
8.0000D-09	1.2357D+02	2.0786D+01	1.2472D+01	3.1557D+02	2.0111D-08	9.0909D-04	7.5001D+07	1.2500D+08	7.2727D-12
7.0000D-09	1.2357D+02	2.0786D+01	1.2472D+01	3.1668D+02	1.7597D-08	9.0909D-04	8.5716D+07	1.4286D+08	6.3636D-12
6.0000D-09	1.2357D+02	2.0786D+01	1.2472D+01	3.1797D+02	1.5083D-08	9.0909D-04	1.0000D+08	1.6667D+08	5.4545D-12
5.0000D-09	1.2357D+02	2.0786D+01	1.2472D+01	3.1948D+02	1.2569D-08	9.0909D-04	1.2000D+08	2.0000D+08	4.5455D-12
4.0000D-09	1.2357D+02	2.0786D+01	1.2472D+01	3.2134D+02	1.0055D-08	9.0909D-04	1.5000D+08	2.5000D+08	3.6364D-12
3.0000D-09	1.2357D+02	2.0786D+01	1.2472D+01	3.2373D+02	7.5415D-09	9.0909D-04	2.0000D+08	3.3333D+08	2.7273D-12
2.0000D-09	1.2357D+02	2.0786D+01	1.2472D+01	3.2710D+02	5.0277D-09	9.0909D-04	3.0001D+08	5.0000D+08	1.8182D-12
1.0000D-09	1.2357D+02	2.0786D+01	1.2472D+01	3.3286D+02	2.5138D-09	9.0909D-04	6.0001D+08	1.0000D+09	9.0909D-13
9.0000D-10	1.2357D+02	2.0786D+01	1.2472D+01	3.3374D+02	2.2625D-09	9.0909D-04	6.6668D+08	1.1111D+09	8.1818D-13
8.0000D-10	1.2357D+02	2.0786D+01	1.2472D+01	3.3472D+02	2.0111D-09	9.0909D-04	7.5001D+08	1.2500D+09	7.2727D-13
7.0000D-10	1.2357D+02	2.0786D+01	1.2472D+01	3.3583D+02	1.7597D-09	9.0909D-04	8.5716D+08	1.4286D+09	6.3636D-13
6.0000D-10	1.2357D+02	2.0786D+01	1.2472D+01	3.3711D+02	1.5083D-09	9.0909D-04	1.0000D+09	1.6667D+09	5.4545D-13
5.0000D-10	1.2357D+02	2.0786D+01	1.2472D+01	3.3863D+02	1.2569D-09	9.0909D-04	1.2000D+09	2.0000D+09	4.5455D-13
4.0000D-10	1.2357D+02	2.0786D+01	1.2472D+01	3.4048D+02	1.0055D-09	9.0909D-04	1.5000D+09	2.5000D+09	3.6364D-13
3.0000D-10	1.2357D+02	2.0786D+01	1.2472D+01	3.4287D+02	7.5415D-10	9.0909D-04	2.0000D+09	3.3333D+09	2.7273D-13
2.0000D-10	1.2357D+02	2.0786D+01	1.2472D+01	3.4625D+02	5.0277D-10	9.0909D-04	3.0001D+09	5.0000D+09	1.8182D-13
1.0000D-10	1.2357D+02	2.0786D+01	1.2472D+01	3.5201D+02	2.5138D-10	9.0909D-04	6.0001D+09	1.0000D+10	9.0909D-14
9.0000D-11	1.2357D+02	2.0786D+01	1.2472D+01	3.5288D+02	2.2625D-10	9.0909D-04	6.6668D+09	1.1111D+10	8.1818D-14

SUPERHEATED SODIUM VAPOR PROPERTIES AT T= 1100.0K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHAP (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAMMAV (MPa/K)
8.0000D-11	1.2357D+02	2.0786D+01	1.2472D+01	3.5386D+02	2.0111D-10	9.0909D-04	7.5001D+09	1.2500D+10	7.2727D-14
7.0000D-11	1.2357D+02	2.0786D+01	1.2472D+01	3.5497D+02	1.7597D-10	9.0909D-04	8.5716D+09	1.4286D+10	6.3636D-14
6.0000D-11	1.2357D+02	2.0786D+01	1.2472D+01	3.5626D+02	1.5083D-10	9.0909D-04	1.0000D+10	1.6667D+10	5.4545D-14
5.0000D-11	1.2357D+02	2.0786D+01	1.2472D+01	3.5777D+02	1.2569D-10	9.0909D-04	1.2000D+10	2.0000D+10	4.5455D-14
4.0000D-11	1.2357D+02	2.0786D+01	1.2472D+01	3.5963D+02	1.0055D-10	9.0909D-04	1.5000D+10	2.5000D+10	3.6364D-14
3.0000D-11	1.2357D+02	2.0786D+01	1.2472D+01	3.6202D+02	7.5415D-11	9.0909D-04	2.0000D+10	3.3333D+10	2.7273D-14
2.0000D-11	1.2357D+02	2.0786D+01	1.2472D+01	3.6539D+02	5.0277D-11	9.0909D-04	3.0001D+10	5.0000D+10	1.8182D-14
1.0000D-11	1.2357D+02	2.0786D+01	1.2472D+01	3.7115D+02	2.5138D-11	9.0909D-04	6.0001D+10	1.0000D+11	9.0909D-15

SUPERHEATED SODIUM VAPOUR PROPERTIES AT T= 1200.0K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	BHO (KG/M**3)	ALPHAP (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAMMAV (MPa/K)
1.0000D-01	1.1960D+02	5.1224D+01	3.4613D+01	1.7678D+02	2.5028D-01	1.2698D-03	7.2240D+00	1.0691D+01	1.1878D-04
9.0000D-02	1.2009D+02	4.9290D+01	3.3301D+01	1.7800D+02	2.2368D-01	1.2385D-03	7.9868D+00	1.1822D+01	1.0476D-04
8.0000D-02	1.2060D+02	4.7191D+01	3.1858D+01	1.7934D+02	1.9739D-01	1.2053D-03	8.9330D+00	1.3232D+01	9.1090D-05
7.0000D-02	1.2113D+02	4.4903D+01	3.0268D+01	1.8082D+02	1.7143D-01	1.1701D-03	1.0139D+01	1.5042D+01	7.7788D-05
6.0000D-02	1.2169D+02	4.2403D+01	2.8507D+01	1.8249D+02	1.4581D-01	1.1324D-03	1.1731D+01	1.7448D+01	6.4901D-05
5.0000D-02	1.2227D+02	3.9660D+01	2.6552D+01	1.8442D+02	1.2054D-01	1.0921D-03	1.3932D+01	2.0810D+01	5.2478D-05
4.0000D-02	1.2288D+02	3.6638D+01	2.4370D+01	1.8671D+02	9.5638D-02	1.0487D-03	1.7189D+01	2.5842D+01	4.0580D-05
3.0000D-02	1.2352D+02	3.3296D+01	2.1924D+01	1.8955D+02	7.1112D-02	1.0017D-03	2.2525D+01	3.4210D+01	2.9281D-05
2.0000D-02	1.2419D+02	2.9584D+01	1.9166D+01	1.9341D+02	4.6984D-02	9.5059D-04	3.2986D+01	5.0915D+01	1.8670D-05
1.0000D-02	1.2490D+02	2.5438D+01	1.6040D+01	1.9968D+02	2.3272D-02	8.9474D-04	6.3658D+01	1.0096D+02	8.8625D-06
9.0000D-03	1.2497D+02	2.4997D+01	1.5704D+01	2.0061D+02	2.0925D-02	8.8886D-04	7.0409D+01	1.1207D+02	7.9311D-06
8.0000D-03	1.2504D+02	2.4551D+01	1.5364D+01	2.0164D+02	1.8582D-02	8.8293D-04	7.8831D+01	1.2597D+02	7.0092D-06
7.0000D-03	1.2512D+02	2.4100D+01	1.5020D+01	2.0281D+02	1.6243D-02	8.7694D-04	8.9638D+01	1.4383D+02	6.0971D-06
6.0000D-03	1.2519D+02	2.3643D+01	1.4670D+01	2.0414D+02	1.3909D-02	8.7089D-04	1.0402D+02	1.6764D+02	5.1949D-06
5.0000D-03	1.2527D+02	2.3181D+01	1.4316D+01	2.0571D+02	1.1579D-02	8.6478D-04	1.2412D+02	2.0098D+02	4.3028D-06
4.0000D-03	1.2534D+02	2.2713D+01	1.3958D+01	2.0762D+02	9.2544D-03	8.5862D-04	1.5423D+02	2.5099D+02	3.4210D-06
3.0000D-03	1.2542D+02	2.2240D+01	1.3594D+01	2.1007D+02	6.9339D-03	8.5239D-04	2.0435D+02	3.3432D+02	2.5496D-06
2.0000D-03	1.2549D+02	2.1761D+01	1.3225D+01	2.1349D+02	4.6180D-03	8.4610D-04	3.0447D+02	5.0100D+02	1.6888D-06
1.0000D-03	1.2557D+02	2.1277D+01	1.2851D+01	2.1931D+02	2.3067D-03	8.3975D-04	6.0460D+02	1.0010D+03	8.3891D-07
9.0000D-04	1.2558D+02	2.1228D+01	1.2813D+01	2.2020D+02	2.0758D-03	8.3911D-04	6.7128D+02	1.1121D+03	7.5452D-07
8.0000D-04	1.2559D+02	2.1179D+01	1.2776D+01	2.2118D+02	1.8450D-03	8.3847D-04	7.5463D+02	1.2510D+03	6.7024D-07
7.0000D-04	1.2559D+02	2.1130D+01	1.2738D+01	2.2230D+02	1.6142D-03	8.3783D-04	8.6179D+02	1.4296D+03	5.8607D-07
6.0000D-04	1.2560D+02	2.1081D+01	1.2700D+01	2.2358D+02	1.3834D-03	8.3719D-04	1.0047D+03	1.6677D+03	5.0201D-07
5.0000D-04	1.2561D+02	2.1032D+01	1.2662D+01	2.2510D+02	1.1528D-03	8.3655D-04	1.2047D+03	2.0010D+03	4.1807D-07
4.0000D-04	1.2562D+02	2.0983D+01	1.2624D+01	2.2697D+02	9.2211D-04	8.3591D-04	1.5047D+03	2.5010D+03	3.3423D-07
3.0000D-04	1.2563D+02	2.0934D+01	1.2586D+01	2.2936D+02	6.9152D-04	8.3526D-04	2.0047D+03	3.3343D+03	2.5050D-07

SUPERHEATED SODIUM VAPOE PROPERTIES AT T= 1200.0K

P (MPA)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHA P (K-1)	BETAS (MPA-1)	BETAT (MPA-1)	GAMMA V (MPA/K)
2.0000D-04	1.2563D+02	2.0885D+01	1.2548D+01	2.3274D+02	4.6096D-04	8.3462D-04	3.0048D+03	5.0010D+03	1.6689D-07
1.0000D-04	1.2564D+02	2.0836D+01	1.2510D+01	2.3851D+02	2.3046D-04	8.3398D-04	6.0048D+03	1.0001D+04	8.3389D-08
9.0000D-05	1.2564D+02	2.0831D+01	1.2506D+01	2.3938D+02	2.0741D-04	8.3391D-04	6.6715D+03	1.1112D+04	7.5045D-08
8.0000D-05	1.2564D+02	2.0826D+01	1.2503D+01	2.4036D+02	1.8436D-04	8.3385D-04	7.5048D+03	1.2501D+04	6.6703D-08
7.0000D-05	1.2564D+02	2.0821D+01	1.2499D+01	2.4148D+02	1.6132D-04	8.3378D-04	8.5763D+03	1.4287D+04	5.8361D-08
6.0000D-05	1.2564D+02	2.0816D+01	1.2495D+01	2.4276D+02	1.3827D-04	8.3372D-04	1.0005D+04	1.6668D+04	5.0020D-08
5.0000D-05	1.2564D+02	2.0811D+01	1.2491D+01	2.4427D+02	1.1522D-04	8.3366D-04	1.2005D+04	2.0001D+04	4.1681D-08
4.0000D-05	1.2565D+02	2.0806D+01	1.2487D+01	2.4613D+02	9.2178D-05	8.3359D-04	1.5005D+04	2.5001D+04	3.3342D-08
3.0000D-05	1.2565D+02	2.0801D+01	1.2483D+01	2.4852D+02	6.9133D-05	8.3353D-04	2.0005D+04	3.3334D+04	2.5005D-08
2.0000D-05	1.2565D+02	2.0796D+01	1.2480D+01	2.5189D+02	4.6088D-05	8.3346D-04	3.0005D+04	5.0001D+04	1.6669D-08
1.0000D-05	1.2565D+02	2.0791D+01	1.2476D+01	2.5766D+02	2.3044D-05	8.3340D-04	6.0006D+04	1.0000D+05	8.3339D-09
9.0000D-06	1.2565D+02	2.0791D+01	1.2476D+01	2.5853D+02	2.0739D-05	8.3339D-04	6.6673D+04	1.1111D+05	7.5005D-09
8.0000D-06	1.2565D+02	2.0790D+01	1.2475D+01	2.5951D+02	1.8435D-05	8.3338D-04	7.5006D+04	1.2500D+05	6.6670D-09
7.0000D-06	1.2565D+02	2.0790D+01	1.2475D+01	2.6062D+02	1.6131D-05	8.3338D-04	8.5721D+04	1.4286D+05	5.8336D-09
6.0000D-06	1.2565D+02	2.0789D+01	1.2474D+01	2.6191D+02	1.3826D-05	8.3337D-04	1.0001D+05	1.6667D+05	5.0002D-09
5.0000D-06	1.2565D+02	2.0789D+01	1.2474D+01	2.6342D+02	1.1522D-05	8.3337D-04	1.2001D+05	2.0000D+05	4.1668D-09
4.0000D-06	1.2565D+02	2.0788D+01	1.2474D+01	2.6528D+02	9.2175D-06	8.3336D-04	1.5001D+05	2.5000D+05	3.3334D-09
3.0000D-06	1.2565D+02	2.0788D+01	1.2473D+01	2.6767D+02	6.9131D-06	8.3335D-04	2.0001D+05	3.3333D+05	2.5001D-09
2.0000D-06	1.2565D+02	2.0787D+01	1.2473D+01	2.7104D+02	4.6087D-06	8.3335D-04	3.0001D+05	5.0000D+05	1.6667D-09
1.0000D-06	1.2565D+02	2.0787D+01	1.2472D+01	2.7680D+02	2.3044D-06	8.3334D-04	6.0002D+05	1.0000D+06	8.3334D-10
9.0000D-07	1.2565D+02	2.0787D+01	1.2472D+01	2.7768D+02	2.0739D-06	8.3334D-04	6.6668D+05	1.1111D+06	7.5000D-10
8.0000D-07	1.2565D+02	2.0787D+01	1.2472D+01	2.7866D+02	1.8435D-06	8.3334D-04	7.5002D+05	1.2500D+06	6.6667D-10
7.0000D-07	1.2565D+02	2.0787D+01	1.2472D+01	2.7977D+02	1.6130D-06	8.3334D-04	8.5716D+05	1.4286D+06	5.8334D-10
6.0000D-07	1.2565D+02	2.0787D+01	1.2472D+01	2.8105D+02	1.3826D-06	8.3334D-04	1.0000D+06	1.6667D+06	5.0000D-10
5.0000D-07	1.2565D+02	2.0787D+01	1.2472D+01	2.8257D+02	1.1522D-06	8.3334D-04	1.2000D+06	2.0000D+06	4.1667D-10
4.0000D-07	1.2565D+02	2.0787D+01	1.2472D+01	2.8442D+02	9.2174D-07	8.3334D-04	1.5000D+06	2.5000D+06	3.3333D-10

SUPERHEATED SODIUM VAPOR PROPERTIES AT T= 1200.0K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	BHO (KG/M**3)	ALPHAP (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAMMAV (MPa/K)
3.0000D-07	1.2565D+02	2.0787D+01	1.2472D+01	2.8681D+02	6.9131D-07	8.3334D-04	2.0000D+06	3.3333D+06	2.5000D-10
2.0000D-07	1.2565D+02	2.0786D+01	1.2472D+01	2.9018D+02	4.6087D-07	8.3333D-04	3.0001D+06	5.0000D+06	1.6667D-10
1.0000D-07	1.2565D+02	2.0786D+01	1.2472D+01	2.9595D+02	2.3044D-07	8.3333D-04	6.0001D+06	1.0000D+07	8.3333D-11
9.0000D-08	1.2565D+02	2.0786D+01	1.2472D+01	2.9682D+02	2.0739D-07	8.3333D-04	6.6668D+06	1.1111D+07	7.5000D-11
8.0000D-08	1.2565D+02	2.0786D+01	1.2472D+01	2.9780D+02	1.8435D-07	8.3333D-04	7.5001D+06	1.2500D+07	6.6667D-11
7.0000D-08	1.2565D+02	2.0786D+01	1.2472D+01	2.9891D+02	1.6130D-07	8.3333D-04	8.5716D+06	1.4286D+07	5.8333D-11
6.0000D-08	1.2565D+02	2.0786D+01	1.2472D+01	3.0019D+02	1.3826D-07	8.3333D-04	1.0000D+07	1.6667D+07	5.0000D-11
5.0000D-08	1.2565D+02	2.0786D+01	1.2472D+01	3.0171D+02	1.1522D-07	8.3333D-04	1.2000D+07	2.0000D+07	4.1667D-11
4.0000D-08	1.2565D+02	2.0786D+01	1.2472D+01	3.0357D+02	9.2174D-08	8.3333D-04	1.5000D+07	2.5000D+07	3.3333D-11
3.0000D-08	1.2565D+02	2.0786D+01	1.2472D+01	3.0596D+02	6.9131D-08	8.3333D-04	2.0000D+07	3.3333D+07	2.5000D-11
2.0000D-08	1.2565D+02	2.0786D+01	1.2472D+01	3.0933D+02	4.6087D-08	8.3333D-04	3.0001D+07	5.0000D+07	1.6667D-11
1.0000D-08	1.2565D+02	2.0786D+01	1.2472D+01	3.1509D+02	2.3044D-08	8.3333D-04	6.0001D+07	1.0000D+08	8.3333D-12
9.0000D-09	1.2565D+02	2.0786D+01	1.2472D+01	3.1597D+02	2.0739D-08	8.3333D-04	6.6668D+07	1.1111D+08	7.5000D-12
8.0000D-09	1.2565D+02	2.0786D+01	1.2472D+01	3.1695D+02	1.8435D-08	8.3333D-04	7.5001D+07	1.2500D+08	6.6667D-12
7.0000D-09	1.2565D+02	2.0786D+01	1.2472D+01	3.1806D+02	1.6130D-08	8.3333D-04	8.5716D+07	1.4286D+08	5.8333D-12
6.0000D-09	1.2565D+02	2.0786D+01	1.2472D+01	3.1934D+02	1.3826D-08	8.3333D-04	1.0000D+08	1.6667D+08	5.0000D-12
5.0000D-09	1.2565D+02	2.0786D+01	1.2472D+01	3.2086D+02	1.1522D-08	8.3333D-04	1.2000D+08	2.0000D+08	4.1667D-12
4.0000D-09	1.2565D+02	2.0786D+01	1.2472D+01	3.2271D+02	9.2174D-09	8.3333D-04	1.5000D+08	2.5000D+08	3.3333D-12
3.0000D-09	1.2565D+02	2.0786D+01	1.2472D+01	3.2510D+02	6.9131D-09	8.3333D-04	2.0000D+08	3.3333D+08	2.5000D-12
2.0000D-09	1.2565D+02	2.0786D+01	1.2472D+01	3.2847D+02	4.6087D-09	8.3333D-04	3.0001D+08	5.0000D+08	1.6667D-12
1.0000D-09	1.2565D+02	2.0786D+01	1.2472D+01	3.3424D+02	2.3044D-09	8.3333D-04	6.0001D+08	1.0000D+09	8.3333D-13
9.0000D-10	1.2565D+02	2.0786D+01	1.2472D+01	3.3511D+02	2.0739D-09	8.3333D-04	6.6668D+08	1.1111D+09	7.5000D-13
8.0000D-10	1.2565D+02	2.0786D+01	1.2472D+01	3.3609D+02	1.8435D-09	8.3333D-04	7.5001D+08	1.2500D+09	6.6667D-13
7.0000D-10	1.2565D+02	2.0786D+01	1.2472D+01	3.3720D+02	1.6130D-09	8.3333D-04	8.5716D+08	1.4286D+09	5.8333D-13
6.0000D-10	1.2565D+02	2.0786D+01	1.2472D+01	3.3848D+02	1.3826D-09	8.3333D-04	1.0000D+09	1.6667D+09	5.0000D-13
5.0000D-10	1.2565D+02	2.0786D+01	1.2472D+01	3.4000D+02	1.1522D-09	8.3333D-04	1.2000D+09	2.0000D+09	4.1667D-13

SUPERHEATED SODIUM VAPOR PROPERTIES AT T= 1200.0K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	HHO (KG/M**3)	ALPHA2 (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAMMAV (MPa/K)
4.0000D-10	1.2565D+02	2.0786D+01	1.2472D+01	3.4185D+02	9.2174D-10	8.3333D-04	1.5000D+09	2.5000D+09	3.3333D-13
3.0000D-10	1.2565D+02	2.0786D+01	1.2472D+01	3.4425D+02	6.9131D-10	8.3333D-04	2.0000D+09	3.3333D+09	2.5000D-13
2.0000D-10	1.2565D+02	2.0786D+01	1.2472D+01	3.4762D+02	4.6087D-10	8.3333D-04	3.0001D+09	5.0000D+09	1.6667D-13
1.0000D-10	1.2565D+02	2.0786D+01	1.2472D+01	3.5338D+02	2.3044D-10	8.3333D-04	6.0001D+09	1.0000D+10	8.3333D-14

SUPERHEATED SODIUM VAPOR PROPERTIES AT T= 1300.0K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHAP (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAMMAV (MPa/K)
3.0000D-01	1.1871D+02	5.5949D+01	3.6714D+01	1.6736D+02	7.2488D-01	1.3111D-03	2.4159D+00	3.6816D+00	3.5612D-04
2.0000D-01	1.2112D+02	4.8792D+01	3.2281D+01	1.7224D+02	4.6591D-01	1.1774D-03	3.5619D+00	5.3837D+00	2.1873D-04
1.0000D-01	1.2402D+02	3.8247D+01	2.5190D+01	1.7985D+02	2.2354D-01	1.0103D-03	6.8788D+00	1.0444D+01	9.6726D-05
9.0000D-02	1.2435D+02	3.6903D+01	2.4250D+01	1.8094D+02	2.0028D-01	9.9050D-04	7.5989D+00	1.1564D+01	8.5654D-05
8.0000D-02	1.2469D+02	3.5489D+01	2.3253D+01	1.8214D+02	1.7722D-01	9.6999D-04	8.4928D+00	1.2962D+01	7.4830D-05
7.0000D-02	1.2503D+02	3.3999D+01	2.2195D+01	1.8347D+02	1.5434D-01	9.4866D-04	9.6334D+00	1.4757D+01	6.4287D-05
6.0000D-02	1.2538D+02	3.2427D+01	2.1069D+01	1.8498D+02	1.3166D-01	9.2645D-04	1.1142D+01	1.7148D+01	5.4028D-05
5.0000D-02	1.2574D+02	3.0765D+01	1.9870D+01	1.8673D+02	1.0918D-01	9.0327D-04	1.3235D+01	2.0492D+01	4.4080D-05
4.0000D-02	1.2612D+02	2.9095D+01	1.8589D+01	1.8883D+02	8.6911D-02	8.7903D-04	1.6345D+01	2.5503D+01	3.4467D-05
3.0000D-02	1.2650D+02	2.7138D+01	1.7219D+01	1.9147D+02	6.4851D-02	8.5362D-04	2.1478D+01	3.3849D+01	2.5219D-05
2.0000D-02	1.2690D+02	2.5154D+01	1.5751D+01	1.9511D+02	4.3008D-02	8.2694D-04	3.1640D+01	5.0528D+01	1.6366D-05
1.0000D-02	1.2731D+02	2.3041D+01	1.4172D+01	2.0114D+02	2.1389D-02	7.9886D-04	6.1843D+01	1.0054D+02	7.9455D-06
9.0000D-03	1.2735D+02	2.2822D+01	1.4008D+01	2.0204D+02	1.9239D-02	7.9597D-04	6.8532D+01	1.1165D+02	7.1288D-06
8.0000D-03	1.2739D+02	2.2602D+01	1.3842D+01	2.0305D+02	1.7092D-02	7.9306D-04	7.6890D+01	1.2555D+02	6.3169D-06
7.0000D-03	1.2743D+02	2.2380D+01	1.3676D+01	2.0418D+02	1.4948D-02	7.9014D-04	8.7629D+01	1.4340D+02	5.5099D-06
6.0000D-03	1.2747D+02	2.2157D+01	1.3508D+01	2.0549D+02	1.2805D-02	7.8720D-04	1.0194D+02	1.6721D+02	4.7077D-06
5.0000D-03	1.2751D+02	2.1932D+01	1.3338D+01	2.0704D+02	1.0665D-02	7.8425D-04	1.2197D+02	2.0055D+02	3.9105D-06
4.0000D-03	1.2756D+02	2.1706D+01	1.3168D+01	2.0892D+02	8.5274D-03	7.8128D-04	1.5199D+02	2.5055D+02	3.1182D-06
3.0000D-03	1.2760D+02	2.1478D+01	1.2996D+01	2.1134D+02	6.3920D-03	7.7829D-04	2.0202D+02	3.3389D+02	2.3310D-06
2.0000D-03	1.2764D+02	2.1249D+01	1.2822D+01	2.1474D+02	4.2589D-03	7.7529D-04	3.0205D+02	5.0055D+02	1.5489D-06
1.0000D-03	1.2768D+02	2.1019D+01	1.2648D+01	2.2053D+02	2.1283D-03	7.7227D-04	6.0268D+02	1.0006D+03	7.7184D-07
9.0000D-04	1.2769D+02	2.0995D+01	1.2630D+01	2.2141D+02	1.9154D-03	7.7196D-04	6.6875D+02	1.1117D+03	6.9442D-07
8.0000D-04	1.2769D+02	2.0972D+01	1.2613D+01	2.2239D+02	1.7024D-03	7.7166D-04	7.5209D+02	1.2506D+03	6.1705D-07
7.0000D-04	1.2770D+02	2.0949D+01	1.2595D+01	2.2351D+02	1.4896D-03	7.7136D-04	8.5924D+02	1.4291D+03	5.3974D-07
6.0000D-04	1.2770D+02	2.0926D+01	1.2578D+01	2.2479D+02	1.2767D-03	7.7105D-04	1.0021D+03	1.6672D+03	4.6248D-07
5.0000D-04	1.2771D+02	2.0903D+01	1.2560D+01	2.2631D+02	1.0638D-03	7.7075D-04	1.2021D+03	2.0006D+03	3.8527D-07

SUPERHEATED SODIUM VAPOE PROPERTIES AT T= 1300.0K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHAP (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAMMAP (MPa/K)
4.0000D-04	1.2771D+02	2.0879D+01	1.2543D+01	2.2817D+02	8.5103D-04	7.7045D-04	1.5021D+03	2.5006D+03	3.0611D-07
3.0000D-04	1.2771D+02	2.0856D+01	1.2525D+01	2.3056D+02	6.3824D-04	7.7014D-04	2.0021D+03	3.3339D+03	2.3100D-07
2.0000D-04	1.2772D+02	2.0833D+01	1.2507D+01	2.3394D+02	4.2547D-04	7.6984D-04	3.0021D+03	5.0006D+03	1.5395D-07
1.0000D-04	1.2772D+02	2.0810D+01	1.2490D+01	2.3970D+02	2.1272D-04	7.6954D-04	6.0022D+03	1.0001D+04	7.6949D-08
9.0000D-05	1.2772D+02	2.0807D+01	1.2488D+01	2.4058D+02	1.9145D-04	7.6950D-04	6.6689D+03	1.1112D+04	6.9252D-08
8.0000D-05	1.2772D+02	2.0805D+01	1.2486D+01	2.4156D+02	1.7018D-04	7.6947D-04	7.5022D+03	1.2501D+04	6.1555D-08
7.0000D-05	1.2772D+02	2.0803D+01	1.2484D+01	2.4267D+02	1.4890D-04	7.6944D-04	8.5737D+03	1.4286D+04	5.3859D-08
6.0000D-05	1.2772D+02	2.0800D+01	1.2483D+01	2.4395D+02	1.2763D-04	7.6941D-04	1.0002D+04	1.6667D+04	4.6163D-08
5.0000D-05	1.2772D+02	2.0798D+01	1.2481D+01	2.4547D+02	1.0636D-04	7.6938D-04	1.2002D+04	2.0001D+04	3.8468D-08
4.0000D-05	1.2773D+02	2.0796D+01	1.2479D+01	2.4732D+02	8.5086D-05	7.6935D-04	1.5002D+04	2.5001D+04	3.0773D-08
3.0000D-05	1.2773D+02	2.0793D+01	1.2477D+01	2.4971D+02	6.3814D-05	7.6932D-04	2.0002D+04	3.3334D+04	2.3079D-08
2.0000D-05	1.2773D+02	2.0791D+01	1.2476D+01	2.5309D+02	4.2542D-05	7.6929D-04	3.0003D+04	5.0001D+04	1.5386D-08
1.0000D-05	1.2773D+02	2.0789D+01	1.2474D+01	2.5885D+02	2.1271D-05	7.6926D-04	6.0003D+04	1.0000D+05	7.6926D-09
9.0000D-06	1.2773D+02	2.0788D+01	1.2474D+01	2.5972D+02	1.9144D-05	7.6926D-04	6.6670D+04	1.1111D+05	6.9233D-09
8.0000D-06	1.2773D+02	2.0788D+01	1.2473D+01	2.6070D+02	1.7017D-05	7.6926D-04	7.5004D+04	1.2500D+05	6.1540D-09
7.0000D-06	1.2773D+02	2.0788D+01	1.2473D+01	2.6181D+02	1.4890D-05	7.6925D-04	8.5718D+04	1.4286D+05	5.3847D-09
6.0000D-06	1.2773D+02	2.0788D+01	1.2473D+01	2.6310D+02	1.2763D-05	7.6925D-04	1.0000D+05	1.6667D+05	4.6155D-09
5.0000D-06	1.2773D+02	2.0788D+01	1.2473D+01	2.6461D+02	1.0636D-05	7.6925D-04	1.2000D+05	2.0000D+05	3.8462D-09
4.0000D-06	1.2773D+02	2.0787D+01	1.2473D+01	2.6647D+02	8.5084D-06	7.6924D-04	1.5000D+05	2.5000D+05	3.0770D-09
3.0000D-06	1.2773D+02	2.0787D+01	1.2473D+01	2.6886D+02	6.3813D-06	7.6924D-04	2.0001D+05	3.3333D+05	2.3077D-09
2.0000D-06	1.2773D+02	2.0787D+01	1.2472D+01	2.7223D+02	4.2542D-06	7.6924D-04	3.0001D+05	5.0000D+05	1.5385D-09
1.0000D-06	1.2773D+02	2.0787D+01	1.2472D+01	2.7799D+02	2.1271D-06	7.6923D-04	6.0001D+05	1.0000D+06	7.6923D-10
9.0000D-07	1.2773D+02	2.0787D+01	1.2472D+01	2.7887D+02	1.9144D-06	7.6923D-04	6.6668D+05	1.1111D+06	6.9231D-10
8.0000D-07	1.2773D+02	2.0787D+01	1.2472D+01	2.7985D+02	1.7017D-06	7.6923D-04	7.5001D+05	1.2500D+06	6.1539D-10
7.0000D-07	1.2773D+02	2.0787D+01	1.2472D+01	2.8096D+02	1.4890D-06	7.6923D-04	8.5716D+05	1.4286D+06	5.3846D-10
6.0000D-07	1.2773D+02	2.0786D+01	1.2472D+01	2.8224D+02	1.2763D-06	7.6923D-04	1.0000D+06	1.6667D+06	4.6154D-10

SUPERHEATED SODIUM VAPOR PROPERTIES AT T= 1300.0K

P (MPA)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHAP (K-1)	BETAS (MPA-1)	BETAT (MPA-1)	GAMMAV (MPA/K)
5.0000D-07	1.2773D+02	2.0786D+01	1.2472D+01	2.8376D+02	1.0635D-06	7.6923D-04	1.2000D+06	2.0000D+06	3.8462D-10
4.0000D-07	1.2773D+02	2.0786D+01	1.2472D+01	2.8561D+02	8.5084D-07	7.6923D-04	1.5000D+06	2.5000D+06	3.0769D-10
3.0000D-07	1.2773D+02	2.0786D+01	1.2472D+01	2.8800D+02	6.3813D-07	7.6923D-04	2.0000D+06	3.3333D+06	2.3077D-10
2.0000D-07	1.2773D+02	2.0786D+01	1.2472D+01	2.9137D+02	4.2542D-07	7.6923D-04	3.0001D+06	5.0000D+06	1.5385D-10
1.0000D-07	1.2773D+02	2.0786D+01	1.2472D+01	2.9714D+02	2.1271D-07	7.6923D-04	6.0001D+06	1.0000D+07	7.6923D-11
9.0000D-08	1.2773D+02	2.0786D+01	1.2472D+01	2.9801D+02	1.9144D-07	7.6923D-04	6.6668D+06	1.1111D+07	6.9231D-11
8.0000D-08	1.2773D+02	2.0786D+01	1.2472D+01	2.9899D+02	1.7017D-07	7.6923D-04	7.5001D+06	1.2500D+07	6.1538D-11
7.0000D-08	1.2773D+02	2.0786D+01	1.2472D+01	3.0010D+02	1.4890D-07	7.6923D-04	8.5716D+06	1.4286D+07	5.3846D-11
6.0000D-08	1.2773D+02	2.0786D+01	1.2472D+01	3.0139D+02	1.2763D-07	7.6923D-04	1.0000D+07	1.6667D+07	4.6154D-11
5.0000D-08	1.2773D+02	2.0786D+01	1.2472D+01	3.0290D+02	1.0635D-07	7.6923D-04	1.2000D+07	2.0000D+07	3.8462D-11
4.0000D-08	1.2773D+02	2.0786D+01	1.2472D+01	3.0476D+02	8.5084D-08	7.6923D-04	1.5000D+07	2.5000D+07	3.0769D-11
3.0000D-08	1.2773D+02	2.0786D+01	1.2472D+01	3.0715D+02	6.3813D-08	7.6923D-04	2.0000D+07	3.3333D+07	2.3077D-11
2.0000D-08	1.2773D+02	2.0786D+01	1.2472D+01	3.1052D+02	4.2542D-08	7.6923D-04	3.0001D+07	5.0000D+07	1.5385D-11
1.0000D-08	1.2773D+02	2.0786D+01	1.2472D+01	3.1628D+02	2.1271D-08	7.6923D-04	6.0001D+07	1.0000D+08	7.6923D-12
9.0000D-09	1.2773D+02	2.0786D+01	1.2472D+01	3.1716D+02	1.9144D-08	7.6923D-04	6.6668D+07	1.1111D+08	6.9231D-12
8.0000D-09	1.2773D+02	2.0786D+01	1.2472D+01	3.1814D+02	1.7017D-08	7.6923D-04	7.5001D+07	1.2500D+08	6.1538D-12
7.0000D-09	1.2773D+02	2.0786D+01	1.2472D+01	3.1925D+02	1.4890D-08	7.6923D-04	8.5716D+07	1.4286D+08	5.3846D-12
6.0000D-09	1.2773D+02	2.0786D+01	1.2472D+01	3.2053D+02	1.2763D-08	7.6923D-04	1.0000D+08	1.6667D+08	4.6154D-12
5.0000D-09	1.2773D+02	2.0786D+01	1.2472D+01	3.2205D+02	1.0635D-08	7.6923D-04	1.2000D+08	2.0000D+08	3.8462D-12
4.0000D-09	1.2773D+02	2.0786D+01	1.2472D+01	3.2390D+02	8.5084D-09	7.6923D-04	1.5000D+08	2.5000D+08	3.0769D-12
3.0000D-09	1.2773D+02	2.0786D+01	1.2472D+01	3.2629D+02	6.3813D-09	7.6923D-04	2.0000D+08	3.3333D+08	2.3077D-12
2.0000D-09	1.2773D+02	2.0786D+01	1.2472D+01	3.2966D+02	4.2542D-09	7.6923D-04	3.0001D+08	5.0000D+08	1.5385D-12
1.0000D-09	1.2773D+02	2.0786D+01	1.2472D+01	3.3543D+02	2.1271D-09	7.6923D-04	6.0001D+08	1.0000D+09	7.6923D-13
9.0000D-10	1.2773D+02	2.0786D+01	1.2472D+01	3.3630D+02	1.9144D-09	7.6923D-04	6.6668D+08	1.1111D+09	6.9231D-13
8.0000D-10	1.2773D+02	2.0786D+01	1.2472D+01	3.3728D+02	1.7017D-09	7.6923D-04	7.5001D+08	1.2500D+09	6.1538D-13
7.0000D-10	1.2773D+02	2.0786D+01	1.2472D+01	3.3839D+02	1.4890D-09	7.6923D-04	8.5716D+08	1.4286D+09	5.3846D-13

SUPERHEATED SODIUM VAPOE PROPERTIES AT T= 1300.0K

P (MPa)	H-B (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHAP (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAMMAV (MPa/K)
6.0000D-10	1.2773D+02	2.0786D+01	1.2472D+01	3.3967D+02	1.2763D-09	7.6923D-04	1.0000D+09	1.6667D+09	4.6154D-13
5.0000D-10	1.2773D+02	2.0786D+01	1.2472D+01	3.4119D+02	1.0635D-09	7.6923D-04	1.2000D+09	2.0000D+09	3.8462D-13
4.0000D-10	1.2773D+02	2.0786D+01	1.2472D+01	3.4305D+02	8.5084D-10	7.6923D-04	1.5000D+09	2.5000D+09	3.0769D-13
3.0000D-10	1.2773D+02	2.0786D+01	1.2472D+01	3.4544D+02	6.3813D-10	7.6923D-04	2.0000D+09	3.3333D+09	2.3077D-13
2.0000D-10	1.2773D+02	2.0786D+01	1.2472D+01	3.4881D+02	4.2542D-10	7.6923D-04	3.0001D+09	5.0000D+09	1.5385D-13

SUPERHEATED SODIUM VAPOR PROPERTIES AT T= 1400.0K

P (MPA)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	C7 (J/MOL-K)	S (J/MOL-K)	H2O (KG/M**3)	ALPHAP (K-1)	BETAS (MPA-1)	BETAT (MPA-1)	GAMMAT (MPA/K)
5.0000D-01	1.2060D+02	5.2210D+01	3.3496D+01	1.6456D+02	1.1260D+00	1.2073D-03	1.4272D+00	2.2246D+00	5.4269D-04
4.0000D-01	1.2207D+02	4.8419D+01	3.1304D+01	1.6725D+02	8.8040D-01	1.1315D-03	1.7668D+00	2.7327D+00	4.1404D-04
3.0000D-01	1.2367D+02	4.3854D+01	2.8493D+01	1.7057D+02	6.4471D-01	1.0496D-03	2.3248D+00	3.5780D+00	2.9334D-04
2.0000D-01	1.2544D+02	3.8204D+01	2.4809D+01	1.7497D+02	4.1904D-01	9.5827D-04	3.4176D+00	5.2629D+00	1.8208D-04
1.0000D-01	1.2745D+02	3.0889D+01	1.9782D+01	1.8193D+02	2.0380D-01	8.5088D-04	6.5909D+00	1.0291D+01	8.2680D-05
9.0000D-02	1.2767D+02	3.0030D+01	1.9176D+01	1.8293D+02	1.8288D-01	8.3883D-04	7.2835D+00	1.1406D+01	7.3543D-05
8.0000D-02	1.2789D+02	2.9142D+01	1.8547D+01	1.8404D+02	1.6208D-01	8.2648D-04	8.1453D+00	1.2799D+01	6.4576D-05
7.0000D-02	1.2811D+02	2.8224D+01	1.7893D+01	1.8529D+02	1.4139D-01	8.1382D-04	9.2481D+00	1.4588D+01	5.5786D-05
6.0000D-02	1.2834D+02	2.7275D+01	1.7212D+01	1.8671D+02	1.2082D-01	8.0081D-04	1.0711D+01	1.6973D+01	4.7180D-05
5.0000D-02	1.2857D+02	2.6291D+01	1.6504D+01	1.8836D+02	1.0037D-01	7.8744D-04	1.2750D+01	2.0311D+01	3.8769D-05
4.0000D-02	1.2881D+02	2.5271D+01	1.5765D+01	1.9036D+02	8.0046D-02	7.7369D-04	1.5793D+01	2.5316D+01	3.0562D-05
3.0000D-02	1.2905D+02	2.4214D+01	1.4995D+01	1.9290D+02	5.9843D-02	7.5953D-04	2.0841D+01	3.3654D+01	2.2569D-05
2.0000D-02	1.2930D+02	2.3115D+01	1.4191D+01	1.9642D+02	3.9766D-02	7.4492D-04	3.0897D+01	5.0325D+01	1.4802D-05
1.0000D-02	1.2955D+02	2.1974D+01	1.3351D+01	2.0233D+02	1.9818D-02	7.2985D-04	6.0960D+01	1.0033D+02	7.2745D-06
9.0000D-03	1.2958D+02	2.1857D+01	1.3265D+01	2.0322D+02	1.7830D-02	7.2832D-04	6.7633D+01	1.1144D+02	6.5354D-06
8.0000D-03	1.2960D+02	2.1740D+01	1.3178D+01	2.0422D+02	1.5844D-02	7.2678D-04	7.5974D+01	1.2533D+02	5.7989D-06
7.0000D-03	1.2963D+02	2.1622D+01	1.3092D+01	2.0534D+02	1.3859D-02	7.2524D-04	8.6695D+01	1.4319D+02	5.0649D-06
6.0000D-03	1.2965D+02	2.1504D+01	1.3004D+01	2.0664D+02	1.1875D-02	7.2369D-04	1.0099D+02	1.6700D+02	4.3335D-06
5.0000D-03	1.2968D+02	2.1386D+01	1.2917D+01	2.0817D+02	9.8924D-03	7.2213D-04	1.2100D+02	2.0033D+02	3.6047D-06
4.0000D-03	1.2970D+02	2.1267D+01	1.2828D+01	2.1004D+02	7.9113D-03	7.2058D-04	1.5100D+02	2.5033D+02	2.8785D-06
3.0000D-03	1.2973D+02	2.1148D+01	1.2740D+01	2.1245D+02	5.9315D-03	7.1901D-04	2.0101D+02	3.3367D+02	2.1549D-06
2.0000D-03	1.2975D+02	2.1028D+01	1.2651D+01	2.1584D+02	3.9530D-03	7.1744D-04	3.0102D+02	5.0033D+02	1.4339D-06
1.0000D-03	1.2978D+02	2.0907D+01	1.2562D+01	2.2162D+02	1.9758D-03	7.1587D-04	6.0103D+02	1.0003D+03	7.1563D-07
9.0000D-04	1.2978D+02	2.0895D+01	1.2553D+01	2.2249D+02	1.7782D-03	7.1571D-04	6.6770D+02	1.1114D+03	6.4394D-07
8.0000D-04	1.2978D+02	2.0883D+01	1.2544D+01	2.2347D+02	1.5806D-03	7.1555D-04	7.5104D+02	1.2503D+03	5.7229D-07
7.0000D-04	1.2979D+02	2.0871D+01	1.2535D+01	2.2459D+02	1.3829D-03	7.1539D-04	8.5818D+02	1.4289D+03	5.0066D-07

SUPERHEATED SODIUM VAPOE PROPERTIES AT T= 1400.0K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	BEO (KG/M**3)	ALPHAP (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAMMAV (MPa/K)
6.0000D-04	1.2979D+02	2.0859D+01	1.2526D+01	2.2587D+02	1.1853D-03	7.1523D-04	1.0010D+03	1.6670D+03	4.2905D-07
5.0000D-04	1.2979D+02	2.0847D+01	1.2517D+01	2.2739D+02	9.8775D-04	7.1508D-04	1.2010D+03	2.0003D+03	3.5748D-07
4.0000D-04	1.2980D+02	2.0835D+01	1.2508D+01	2.2924D+02	7.9017D-04	7.1492D-04	1.5011D+03	2.5003D+03	2.8593D-07
3.0000D-04	1.2980D+02	2.0823D+01	1.2499D+01	2.3164D+02	5.9261D-04	7.1476D-04	2.0011D+03	3.3337D+03	2.1441D-07
2.0000D-04	1.2980D+02	2.0811D+01	1.2490D+01	2.3501D+02	3.9506D-04	7.1460D-04	3.0011D+03	5.0003D+03	1.4291D-07
1.0000D-04	1.2980D+02	2.0798D+01	1.2481D+01	2.4077D+02	1.9752D-04	7.1444D-04	6.0011D+03	1.0000D+04	7.1442D-08
9.0000D-05	1.2980D+02	2.0797D+01	1.2480D+01	2.4165D+02	1.7777D-04	7.1443D-04	6.6678D+03	1.1111D+04	6.4297D-08
8.0000D-05	1.2980D+02	2.0796D+01	1.2479D+01	2.4263D+02	1.5802D-04	7.1441D-04	7.5012D+03	1.2500D+04	5.7151D-08
7.0000D-05	1.2980D+02	2.0795D+01	1.2478D+01	2.4374D+02	1.3826D-04	7.1440D-04	8.5726D+03	1.4286D+04	5.0007D-08
6.0000D-05	1.2980D+02	2.0794D+01	1.2477D+01	2.4502D+02	1.1851D-04	7.1438D-04	1.0001D+04	1.6667D+04	4.2862D-08
5.0000D-05	1.2980D+02	2.0792D+01	1.2476D+01	2.4654D+02	9.8760D-05	7.1436D-04	1.2001D+04	2.0000D+04	3.5718D-08
4.0000D-05	1.2980D+02	2.0791D+01	1.2476D+01	2.4839D+02	7.9007D-05	7.1435D-04	1.5001D+04	2.5000D+04	2.8574D-08
3.0000D-05	1.2980D+02	2.0790D+01	1.2475D+01	2.5079D+02	5.9255D-05	7.1433D-04	2.0001D+04	3.3334D+04	2.1430D-08
2.0000D-05	1.2980D+02	2.0789D+01	1.2474D+01	2.5416D+02	3.9503D-05	7.1432D-04	3.0002D+04	5.0003D+04	1.4286D-08
1.0000D-05	1.2981D+02	2.0788D+01	1.2473D+01	2.5992D+02	1.9752D-05	7.1430D-04	6.0002D+04	1.0000D+05	7.1430D-09
9.0000D-06	1.2981D+02	2.0787D+01	1.2473D+01	2.6080D+02	1.7776D-05	7.1430D-04	6.6669D+04	1.1111D+05	6.4287D-09
8.0000D-06	1.2981D+02	2.0787D+01	1.2473D+01	2.6178D+02	1.5801D-05	7.1430D-04	7.5002D+04	1.2500D+05	5.7144D-09
7.0000D-06	1.2981D+02	2.0787D+01	1.2473D+01	2.6289D+02	1.3826D-05	7.1430D-04	8.5717D+04	1.4286D+05	5.0001D-09
6.0000D-06	1.2981D+02	2.0787D+01	1.2473D+01	2.6417D+02	1.1851D-05	7.1430D-04	1.0000D+05	1.6667D+05	4.2858D-09
5.0000D-06	1.2981D+02	2.0787D+01	1.2472D+01	2.6568D+02	9.8758D-06	7.1429D-04	1.2000D+05	2.0000D+05	3.5715D-09
4.0000D-06	1.2981D+02	2.0787D+01	1.2472D+01	2.6754D+02	7.9007D-06	7.1429D-04	1.5000D+05	2.5000D+05	2.8572D-09
3.0000D-06	1.2981D+02	2.0787D+01	1.2472D+01	2.6993D+02	5.9255D-06	7.1429D-04	2.0000D+05	3.3333D+05	2.1429D-09
2.0000D-06	1.2981D+02	2.0787D+01	1.2472D+01	2.7330D+02	3.9503D-06	7.1429D-04	3.0001D+05	5.0000D+05	1.4286D-09
1.0000D-06	1.2981D+02	2.0786D+01	1.2472D+01	2.7906D+02	1.9752D-06	7.1429D-04	6.0001D+05	1.0000D+06	7.1429D-10
9.0000D-07	1.2981D+02	2.0786D+01	1.2472D+01	2.7994D+02	1.7776D-06	7.1429D-04	6.6668D+05	1.1111D+06	6.4286D-10
8.0000D-07	1.2981D+02	2.0786D+01	1.2472D+01	2.8092D+02	1.5801D-06	7.1429D-04	7.5001D+05	1.2500D+06	5.7143D-10

SUPERHEATED SODIUM VAPOR PROPERTIES AT T= 1400.0K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RUO (KG/M**3)	ALPHAP (K-1)	BETAS (MPA-1)	BETAT (MPA-1)	GAMMAV (MPA/K)
7.0000D-07	1.2981D+02	2.0786D+01	1.2472D+01	2.8203D+02	1.3826D-06	7.1429D-04	8.5716D+05	1.4286D+06	5.0000D-10
6.0000D-07	1.2981D+02	2.0786D+01	1.2472D+01	2.8331D+02	1.1851D-06	7.1429D-04	1.0000D+06	1.6667D+06	4.2857D-10
5.0000D-07	1.2981D+02	2.0786D+01	1.2472D+01	2.8483D+02	9.8758D-07	7.1429D-04	1.2000D+06	2.0000D+06	3.5714D-10
4.0000D-07	1.2981D+02	2.0786D+01	1.2472D+01	2.8668D+02	7.9006D-07	7.1429D-04	1.5000D+06	2.5000D+06	2.8571D-10
3.0000D-07	1.2981D+02	2.0786D+01	1.2472D+01	2.8908D+02	5.9255D-07	7.1429D-04	2.0000D+06	3.3333D+06	2.1429D-10
2.0000D-07	1.2981D+02	2.0786D+01	1.2472D+01	2.9245D+02	3.9503D-07	7.1429D-04	3.0000D+06	5.0000D+06	1.4286D-10
1.0000D-07	1.2981D+02	2.0786D+01	1.2472D+01	2.9821D+02	1.9752D-07	7.1429D-04	6.0001D+06	1.0000D+07	7.1429D-11
9.0000D-08	1.2981D+02	2.0786D+01	1.2472D+01	2.9909D+02	1.7776D-07	7.1429D-04	6.6668D+06	1.1111D+07	6.4286D-11
8.0000D-08	1.2981D+02	2.0786D+01	1.2472D+01	3.0006D+02	1.5801D-07	7.1429D-04	7.5001D+06	1.2500D+07	5.7143D-11
7.0000D-08	1.2981D+02	2.0786D+01	1.2472D+01	3.0117D+02	1.3826D-07	7.1429D-04	8.5716D+06	1.4286D+07	5.0000D-11
6.0000D-08	1.2981D+02	2.0786D+01	1.2472D+01	3.0246D+02	1.1851D-07	7.1429D-04	1.0000D+07	1.6667D+07	4.2857D-11
5.0000D-08	1.2981D+02	2.0786D+01	1.2472D+01	3.0397D+02	9.8758D-08	7.1429D-04	1.2000D+07	2.0000D+07	3.5714D-11
4.0000D-08	1.2981D+02	2.0786D+01	1.2472D+01	3.0583D+02	7.9006D-08	7.1429D-04	1.5000D+07	2.5000D+07	2.8571D-11
3.0000D-08	1.2981D+02	2.0786D+01	1.2472D+01	3.0822D+02	5.9255D-08	7.1429D-04	2.0000D+07	3.3333D+07	2.1429D-11
2.0000D-08	1.2981D+02	2.0786D+01	1.2472D+01	3.1159D+02	3.9503D-08	7.1429D-04	3.0000D+07	5.0000D+07	1.4286D-11
1.0000D-08	1.2981D+02	2.0786D+01	1.2472D+01	3.1735D+02	1.9752D-08	7.1429D-04	6.0001D+07	1.0000D+08	7.1429D-12
9.0000D-09	1.2981D+02	2.0786D+01	1.2472D+01	3.1823D+02	1.7776D-08	7.1429D-04	6.6668D+07	1.1111D+08	6.4286D-12
8.0000D-09	1.2981D+02	2.0786D+01	1.2472D+01	3.1921D+02	1.5801D-08	7.1429D-04	7.5001D+07	1.2500D+08	5.7143D-12
7.0000D-09	1.2981D+02	2.0786D+01	1.2472D+01	3.2032D+02	1.3826D-08	7.1429D-04	8.5716D+07	1.4286D+08	5.0000D-12
6.0000D-09	1.2981D+02	2.0786D+01	1.2472D+01	3.2160D+02	1.1851D-08	7.1429D-04	1.0000D+08	1.6667D+08	4.2857D-12
5.0000D-09	1.2981D+02	2.0786D+01	1.2472D+01	3.2312D+02	9.8758D-09	7.1429D-04	1.2000D+08	2.0000D+08	3.5714D-12
4.0000D-09	1.2981D+02	2.0786D+01	1.2472D+01	3.2497D+02	7.9006D-09	7.1429D-04	1.5000D+08	2.5000D+08	2.8571D-12
3.0000D-09	1.2981D+02	2.0786D+01	1.2472D+01	3.2736D+02	5.9255D-09	7.1429D-04	2.0000D+08	3.3333D+08	2.1429D-12
2.0000D-09	1.2981D+02	2.0786D+01	1.2472D+01	3.3074D+02	3.9503D-09	7.1429D-04	3.0000D+08	5.0000D+08	1.4286D-12
1.0000D-09	1.2981D+02	2.0786D+01	1.2472D+01	3.3650D+02	1.9752D-09	7.1429D-04	6.0001D+08	1.0000D+09	7.1429D-13
9.0000D-10	1.2981D+02	2.0786D+01	1.2472D+01	3.3737D+02	1.7776D-09	7.1429D-04	6.6668D+08	1.1111D+09	6.4286D-13

SUPERHEATED SODIUM VAPOE PROPERTIES AT T= 1400.0K

P (MPA)	H-H (298) (KJ/MOL)	CV (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHAP (K-1)	BETAS (MPA-1)	BETAT (MPA-1)	GAMMAV (MPA/K)
8.0000D-10	1.2981D+02	2.0786D+01	1.2472D+01	3.3835D+02	1.5801D-09	7.1429D-04	7.5001D+08	1.2500D+09	5.7143D-13
7.0000D-10	1.2981D+02	2.0786D+01	1.2472D+01	3.3946D+02	1.3826D-09	7.1429D-04	8.5716D+08	1.4286D+09	5.0000D-13
6.0000D-10	1.2981D+02	2.0786D+01	1.2472D+01	3.4075D+02	1.1851D-09	7.1429D-04	1.0000D+09	1.6667D+09	4.2857D-13
5.0000D-10	1.2981D+02	2.0786D+01	1.2472D+01	3.4226D+02	9.8758D-10	7.1429D-04	1.2000D+09	2.0000D+09	3.5714D-13

SUPERHEATED SODIUM VAPOUR PROPERTIES AT T= 1500.0K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHAP (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAMMAV (MPa/K)
1.0000D+00	1.2044D+02	5.3569D+01	3.3070D+01	1.5905D+02	2.1849D+00	1.2247D-03	7.1237D-01	1.1540D+00	1.0613D-03
9.0000D-01	1.2133D+02	5.1760D+01	3.2201D+01	1.6040D+02	1.9362D+00	1.1795D-03	7.8757D-01	1.2660D+00	9.3171D-04
8.0000D-01	1.2227D+02	4.9748D+01	3.1180D+01	1.6186D+02	1.6945D+00	1.1330D-03	8.8118D-01	1.4059D+00	8.0585D-04
7.0000D-01	1.2323D+02	4.7519D+01	2.9989D+01	1.6348D+02	1.4596D+00	1.0851D-03	1.0009D+00	1.5860D+00	6.8421D-04
6.0000D-01	1.2425D+02	4.5051D+01	2.8603D+01	1.6530D+02	1.2314D+00	1.0360D-03	1.1594D+00	1.8262D+00	5.6729D-04
5.0000D-01	1.2531D+02	4.2308D+01	2.6988D+01	1.6738D+02	1.0097D+00	9.8523D-04	1.3795D+00	2.1626D+00	4.5558D-04
4.0000D-01	1.2643D+02	3.9235D+01	2.5095D+01	1.6983D+02	7.9456D-01	9.3240D-04	1.7059D+00	2.6671D+00	3.4959D-04
3.0000D-01	1.2762D+02	3.5740D+01	2.2852D+01	1.7287D+02	5.8584D-01	8.7647D-04	2.2424D+00	3.5071D+00	2.4992D-04
2.0000D-01	1.2891D+02	3.1681D+01	2.0145D+01	1.7694D+02	3.8364D-01	8.1572D-04	3.2960D+00	5.1833D+00	1.5737D-04
1.0000D-01	1.3032D+02	2.6822D+01	1.6789D+01	1.8348D+02	1.8820D-01	7.4732D-04	6.3828D+00	1.0197D+01	7.3287D-05
9.0000D-02	1.3046D+02	2.6280D+01	1.6407D+01	1.8443D+02	1.6905D-01	7.3990D-04	7.0612D+00	1.1310D+01	6.5420D-05
8.0000D-02	1.3062D+02	2.5725D+01	1.6016D+01	1.8550D+02	1.4996D-01	7.3235D-04	7.9070D+00	1.2701D+01	5.7663D-05
7.0000D-02	1.3077D+02	2.5158D+01	1.5614D+01	1.8669D+02	1.3095D-01	7.2468D-04	8.9918D+00	1.4488D+01	5.0019D-05
6.0000D-02	1.3092D+02	2.4577D+01	1.5201D+01	1.8806D+02	1.1202D-01	7.1686D-04	1.0435D+01	1.6871D+01	4.2491D-05
5.0000D-02	1.3108D+02	2.3983D+01	1.4777D+01	1.8966D+02	9.3156D-02	7.0890D-04	1.2450D+01	2.0206D+01	3.5084D-05
4.0000D-02	1.3123D+02	2.3375D+01	1.4342D+01	1.9160D+02	7.4370D-02	7.0079D-04	1.5467D+01	2.5206D+01	2.7800D-05
3.0000D-02	1.3139D+02	2.2752D+01	1.3894D+01	1.9408D+02	5.5661D-02	6.9252D-04	2.0485D+01	3.3543D+01	2.0645D-05
2.0000D-02	1.3156D+02	2.2113D+01	1.3434D+01	1.9754D+02	3.7029D-02	6.8408D-04	3.0504D+01	5.0212D+01	1.3624D-05
1.0000D-02	1.3172D+02	2.1458D+01	1.2960D+01	2.0340D+02	1.8475D-02	6.7547D-04	6.0526D+01	1.0021D+02	6.7402D-06
9.0000D-03	1.3174D+02	2.1392D+01	1.2912D+01	2.0428D+02	1.6624D-02	6.7459D-04	6.7195D+01	1.1133D+02	6.0596D-06
8.0000D-03	1.3175D+02	2.1325D+01	1.2863D+01	2.0527D+02	1.4773D-02	6.7372D-04	7.5530D+01	1.2521D+02	5.3805D-06
7.0000D-03	1.3177D+02	2.1258D+01	1.2815D+01	2.0639D+02	1.2924D-02	6.7285D-04	8.6247D+01	1.4307D+02	4.7028D-06
6.0000D-03	1.3178D+02	2.1192D+01	1.2766D+01	2.0768D+02	1.1075D-02	6.7197D-04	1.0054D+02	1.6688D+02	4.0266D-06
5.0000D-03	1.3180D+02	2.1124D+01	1.2718D+01	2.0921D+02	9.2274D-03	6.7109D-04	1.2054D+02	2.0022D+02	3.3518D-06
4.0000D-03	1.3182D+02	2.1057D+01	1.2669D+01	2.1107D+02	7.3803D-03	6.7021D-04	1.5054D+02	2.5022D+02	2.6785D-06
3.0000D-03	1.3183D+02	2.0990D+01	1.2620D+01	2.1347D+02	5.5341D-03	6.6933D-04	2.0054D+02	3.3355D+02	2.0067D-06

SUPERHEATED SODIUM VAPOE PROPERTIES AT T= 1500.0K

P (MPA)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHAP (K-1)	BETAS (MPA-1)	BETAT (MPA-1)	GAMMAV (MPA/K)
2.0000D-03	1.3185D+02	2.0922D+01	1.2571D+01	2.1685D+02	3.6836D-03	6.6844D-04	3.0055D+02	5.0022D+02	1.3363D-06
1.0000D-03	1.3187D+02	2.0854D+01	1.2521D+01	2.2263D+02	1.8439D-03	6.6756D-04	6.0055D+02	1.0002D+03	6.6741D-07
9.0000D-04	1.3187D+02	2.0847D+01	1.2516D+01	2.2350D+02	1.6595D-03	6.6747D-04	6.6722D+02	1.1113D+03	6.0060D-07
8.0000D-04	1.3187D+02	2.0841D+01	1.2512D+01	2.2448D+02	1.4750D-03	6.6738D-04	7.5056D+02	1.2502D+03	5.3381D-07
7.0000D-04	1.3187D+02	2.0834D+01	1.2507D+01	2.2559D+02	1.2906D-03	6.6729D-04	8.5770D+02	1.4288D+03	4.6703D-07
6.0000D-04	1.3187D+02	2.0827D+01	1.2502D+01	2.2688D+02	1.1062D-03	6.6720D-04	1.0006D+03	1.6669D+03	4.0027D-07
5.0000D-04	1.3188D+02	2.0810D+01	1.2497D+01	2.2839D+02	9.2184D-04	6.6711D-04	1.2006D+03	2.0002D+03	3.3352D-07
4.0000D-04	1.3188D+02	2.0814D+01	1.2492D+01	2.3025D+02	7.3746D-04	6.6702D-04	1.5006D+03	2.5002D+03	2.6679D-07
3.0000D-04	1.3188D+02	2.0807D+01	1.2487D+01	2.3264D+02	5.5308D-04	6.6693D-04	2.0006D+03	3.3336D+03	2.0007D-07
2.0000D-04	1.3188D+02	2.0800D+01	1.2482D+01	2.3601D+02	3.6871D-04	6.6684D-04	3.0006D+03	5.0002D+03	1.3336D-07
1.0000D-04	1.3188D+02	2.0793D+01	1.2477D+01	2.4178D+02	1.8435D-04	6.6676D-04	6.0006D+03	1.0000D+04	6.6674D-08
9.0000D-05	1.3188D+02	2.0792D+01	1.2476D+01	2.4265D+02	1.6592D-04	6.6675D-04	6.6673D+03	1.1111D+04	6.0006D-08
8.0000D-05	1.3188D+02	2.0792D+01	1.2476D+01	2.4363D+02	1.4748D-04	6.6674D-04	7.5007D+03	1.2500D+04	5.3338D-08
7.0000D-05	1.3188D+02	2.0791D+01	1.2476D+01	2.4474D+02	1.2905D-04	6.6673D-04	8.5722D+03	1.4286D+04	4.6670D-08
6.0000D-05	1.3188D+02	2.0790D+01	1.2475D+01	2.4603D+02	1.1061D-04	6.6672D-04	1.0001D+04	1.6667D+04	4.0003D-08
5.0000D-05	1.3188D+02	2.0790D+01	1.2475D+01	2.4754D+02	9.2175D-05	6.6671D-04	1.2001D+04	2.0000D+04	3.3335D-08
4.0000D-05	1.3188D+02	2.0789D+01	1.2474D+01	2.4940D+02	7.3740D-05	6.6670D-04	1.5001D+04	2.5000D+04	2.6668D-08
3.0000D-05	1.3188D+02	2.0788D+01	1.2474D+01	2.5179D+02	5.5305D-05	6.6669D-04	2.0001D+04	3.3334D+04	2.0001D-08
2.0000D-05	1.3188D+02	2.0788D+01	1.2473D+01	2.5516D+02	3.6870D-05	6.6668D-04	3.0001D+04	5.0000D+04	1.3334D-08
1.0000D-05	1.3188D+02	2.0787D+01	1.2472D+01	2.6092D+02	1.8435D-05	6.6668D-04	6.0002D+04	1.0000D+05	6.6667D-09
9.0000D-06	1.3188D+02	2.0787D+01	1.2472D+01	2.6180D+02	1.6591D-05	6.6667D-04	6.6668D+04	1.1111D+05	6.0001D-09
8.0000D-06	1.3188D+02	2.0787D+01	1.2472D+01	2.6278D+02	1.4748D-05	6.6667D-04	7.5002D+04	1.2500D+05	5.3334D-09
7.0000D-06	1.3188D+02	2.0787D+01	1.2472D+01	2.6389D+02	1.2904D-05	6.6667D-04	8.5716D+04	1.4286D+05	4.6667D-09
6.0000D-06	1.3188D+02	2.0787D+01	1.2472D+01	2.6517D+02	1.1061D-05	6.6667D-04	1.0000D+05	1.6667D+05	4.0000D-09
5.0000D-06	1.3188D+02	2.0787D+01	1.2472D+01	2.6669D+02	9.2174D-06	6.6667D-04	1.2000D+05	2.0000D+05	3.3334D-09
4.0000D-06	1.3188D+02	2.0787D+01	1.2472D+01	2.6854D+02	7.3739D-06	6.6667D-04	1.5000D+05	2.5000D+05	2.6667D-09

SUPERHEATED SODIUM VAPOUR PROPERTIES AT T= 1500.0K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHAP (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAMMAV (MPa/K)
3.0000D-06	1.3188D+02	2.0787D+01	1.2472D+01	2.7093D+02	5.5305D-06	6.6667D-04	2.0000D+05	3.3333D+05	2.0000D-09
2.0000D-06	1.3188D+02	2.0786D+01	1.2472D+01	2.7431D+02	3.6870D-06	6.6667D-04	3.0001D+05	5.0000D+05	1.3333D-09
1.0000D-06	1.3188D+02	2.0786D+01	1.2472D+01	2.8007D+02	1.8435D-06	6.6667D-04	6.0001D+05	1.0000D+06	6.6667D-10
5.0000D-07	1.3188D+02	2.0786D+01	1.2472D+01	2.8094D+02	1.6591D-06	6.6667D-04	6.6668D+05	1.1111D+06	6.0000D-10
8.0000D-07	1.3188D+02	2.0786D+01	1.2472D+01	2.8192D+02	1.4748D-06	6.6667D-04	7.5001D+05	1.2500D+06	5.3333D-10
7.0000D-07	1.3188D+02	2.0786D+01	1.2472D+01	2.8303D+02	1.2904D-06	6.6667D-04	8.5716D+05	1.4286D+06	4.6667D-10
6.0000D-07	1.3188D+02	2.0786D+01	1.2472D+01	2.8432D+02	1.1061D-06	6.6667D-04	1.0000D+06	1.6667D+06	4.0000D-10
5.0000D-07	1.3188D+02	2.0786D+01	1.2472D+01	2.8583D+02	9.2174D-07	6.6667D-04	1.2000D+06	2.0000D+06	3.3333D-10
4.0000D-07	1.3188D+02	2.0786D+01	1.2472D+01	2.8769D+02	7.3739D-07	6.6667D-04	1.5000D+06	2.5000D+06	2.6667D-10
3.0000D-07	1.3188D+02	2.0786D+01	1.2472D+01	2.9008D+02	5.5305D-07	6.6667D-04	2.0000D+06	3.3333D+06	2.0000D-10
2.0000D-07	1.3188D+02	2.0786D+01	1.2472D+01	2.9345D+02	3.6870D-07	6.6667D-04	3.0000D+06	5.0000D+06	1.3333D-10
1.0000D-07	1.3188D+02	2.0786D+01	1.2472D+01	2.9921D+02	1.8435D-07	6.6667D-04	6.0001D+06	1.0000D+07	6.6667D-11
9.0000D-08	1.3188D+02	2.0786D+01	1.2472D+01	3.0009D+02	1.6591D-07	6.6667D-04	6.6668D+06	1.1111D+07	6.0000D-11
8.0000D-08	1.3188D+02	2.0786D+01	1.2472D+01	3.0107D+02	1.4748D-07	6.6667D-04	7.5001D+06	1.2500D+07	5.3333D-11
7.0000D-08	1.3188D+02	2.0786D+01	1.2472D+01	3.0218D+02	1.2904D-07	6.6667D-04	8.5716D+06	1.4286D+07	4.6667D-11
6.0000D-08	1.3188D+02	2.0786D+01	1.2472D+01	3.0346D+02	1.1061D-07	6.6667D-04	1.0000D+07	1.6667D+07	4.0000D-11
5.0000D-08	1.3188D+02	2.0786D+01	1.2472D+01	3.0498D+02	9.2174D-08	6.6667D-04	1.2000D+07	2.0000D+07	3.3333D-11
4.0000D-08	1.3188D+02	2.0786D+01	1.2472D+01	3.0683D+02	7.3739D-08	6.6667D-04	1.5000D+07	2.5000D+07	2.6667D-11
3.0000D-08	1.3188D+02	2.0786D+01	1.2472D+01	3.0922D+02	5.5304D-08	6.6667D-04	2.0000D+07	3.3333D+07	2.0000D-11
2.0000D-08	1.3188D+02	2.0786D+01	1.2472D+01	3.1259D+02	3.6870D-08	6.6667D-04	3.0000D+07	5.0000D+07	1.3333D-11
1.0000D-08	1.3188D+02	2.0786D+01	1.2472D+01	3.1836D+02	1.8435D-08	6.6667D-04	6.0001D+07	1.0000D+08	6.6667D-12
9.0000D-09	1.3188D+02	2.0786D+01	1.2472D+01	3.1923D+02	1.6591D-08	6.6667D-04	6.6668D+07	1.1111D+08	6.0000D-12
8.0000D-09	1.3188D+02	2.0786D+01	1.2472D+01	3.2021D+02	1.4748D-08	6.6667D-04	7.5001D+07	1.2500D+08	5.3333D-12
7.0000D-09	1.3188D+02	2.0786D+01	1.2472D+01	3.2132D+02	1.2904D-08	6.6667D-04	8.5716D+07	1.4286D+08	4.6667D-12
6.0000D-09	1.3188D+02	2.0786D+01	1.2472D+01	3.2260D+02	1.1061D-08	6.6667D-04	1.0000D+08	1.6667D+08	4.0000D-12
5.0000D-09	1.3188D+02	2.0786D+01	1.2472D+01	3.2412D+02	9.2174D-09	6.6667D-04	1.2000D+08	2.0000D+08	3.3333D-12

SUPERHEATED SODIUM VAPOR PROPERTIES AT T= 1500.0K

P (MPa)	H-B (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHAP (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAMMAV (MPa/K)
4.0000D-09	1.3188D+02	2.0786D+01	1.2472D+01	3.2598D+02	7.3739D-09	6.6667D-04	1.5000D+08	2.5000D+08	2.6667D-12
3.0000D-09	1.3188D+02	2.0786D+01	1.2472D+01	3.2837D+02	5.5304D-09	6.6667D-04	2.0000D+08	3.3333D+08	2.0000D-12
2.0000D-09	1.3188D+02	2.0786D+01	1.2472D+01	3.3174D+02	3.6870D-09	6.6667D-04	3.0000D+08	5.0000D+08	1.3333D-12

SUPERHEATED SODIUM VAPOR PROPERTIES AT T= 1600.0K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHAP (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAMMAV (MPa/K)
1.0000D+00	1.2534D+02	4.4746D+01	2.7738D+01	1.6185D+02	1.9556D+00	1.0045D-03	6.9137D-01	1.1153D+00	9.0066D-04
9.0000D-01	1.2606D+02	4.3118D+01	2.6868D+01	1.6308D+02	1.7558D+00	9.7118D-04	7.6026D-01	1.2265D+00	7.9184D-04
8.0000D-01	1.2681D+02	4.1384D+01	2.5905D+01	1.6443D+02	1.5287D+00	9.3755D-04	8.5491D-01	1.3657D+00	6.8648D-04
7.0000D-01	1.2757D+02	3.9536D+01	2.4842D+01	1.6592D+02	1.3221D+00	9.0355D-04	9.7078D-01	1.5450D+00	5.8482D-04
6.0000D-01	1.2836D+02	3.7559D+01	2.3664D+01	1.6759D+02	1.1200D+00	8.6906D-04	1.1242D+00	1.7843D+00	4.8707D-04
5.0000D-01	1.2918D+02	3.5432D+01	2.2354D+01	1.6951D+02	9.2235D-01	8.3385D-04	1.3372D+00	2.1194D+00	3.9343D-04
4.0000D-01	1.3003D+02	3.3124D+01	2.0889D+01	1.7179D+02	7.2901D-01	7.9754D-04	1.6536D+00	2.6221D+00	3.0416D-04
3.0000D-01	1.3092D+02	3.0588D+01	1.9232D+01	1.7464D+02	5.4001D-01	7.5955D-04	2.1749D+00	3.4593D+00	2.1957D-04
2.0000D-01	1.3187D+02	2.7758D+01	1.7332D+01	1.7848D+02	3.5540D-01	7.1903D-04	3.2039D+00	5.1312D+00	1.4013D-04
1.0000D-01	1.3287D+02	2.4557D+01	1.5115D+01	1.8476D+02	1.7532D-01	6.7476D-04	6.2455D+00	1.0138D+01	6.6556D-05
9.0000D-02	1.3298D+02	2.4188D+01	1.4873D+01	1.8569D+02	1.5757D-01	6.7007D-04	6.9174D+00	1.1250D+01	5.9560D-05
8.0000D-02	1.3309D+02	2.3834D+01	1.4625D+01	1.8673D+02	1.3986D-01	6.6531D-04	7.7561D+00	1.2640D+01	5.2636D-05
7.0000D-02	1.3319D+02	2.3475D+01	1.4374D+01	1.8789D+02	1.2221D-01	6.6050D-04	8.8333D+00	1.4427D+01	4.5784D-05
6.0000D-02	1.3330D+02	2.3110D+01	1.4117D+01	1.8923D+02	1.0460D-01	6.5563D-04	1.0268D+01	1.6808D+01	3.9006D-05
5.0000D-02	1.3341D+02	2.2739D+01	1.3856D+01	1.9080D+02	8.7045D-02	6.5070D-04	1.2274D+01	2.0143D+01	3.2305D-05
4.0000D-02	1.3352D+02	2.2361D+01	1.3590D+01	1.9271D+02	6.9536D-02	6.4570D-04	1.5281D+01	2.5144D+01	2.5681D-05
3.0000D-02	1.3363D+02	2.1978D+01	1.3318D+01	1.9516D+02	5.2076D-02	6.4063D-04	2.0288D+01	3.3478D+01	1.9136D-05
2.0000D-02	1.3374D+02	2.1587D+01	1.3042D+01	1.9859D+02	3.4667D-02	6.3550D-04	3.0295D+01	5.0146D+01	1.2673D-05
1.0000D-02	1.3385D+02	2.1190D+01	1.2760D+01	2.0441D+02	1.7308D-02	6.3029D-04	6.0303D+01	1.0015D+02	6.2936D-06
9.0000D-03	1.3386D+02	2.1150D+01	1.2731D+01	2.0529D+02	1.5575D-02	6.2976D-04	6.6971D+01	1.1126D+02	5.6604D-06
8.0000D-03	1.3387D+02	2.1110D+01	1.2703D+01	2.0627D+02	1.3842D-02	6.2924D-04	7.5305D+01	1.2515D+02	5.0280D-06
7.0000D-03	1.3388D+02	2.1070D+01	1.2674D+01	2.0739D+02	1.2110D-02	6.2871D-04	8.6020D+01	1.4300D+02	4.3964D-06
6.0000D-03	1.3389D+02	2.1030D+01	1.2645D+01	2.0868D+02	1.0379D-02	6.2818D-04	1.0031D+02	1.6681D+02	3.7656D-06
5.0000D-03	1.3391D+02	2.0989D+01	1.2617D+01	2.1020D+02	8.6477D-03	6.2765D-04	1.2031D+02	2.0015D+02	3.1360D-06
4.0000D-03	1.3392D+02	2.0949D+01	1.2588D+01	2.1206D+02	6.9172D-03	6.2712D-04	1.5031D+02	2.5015D+02	2.5070D-06
3.0000D-03	1.3393D+02	2.0908D+01	1.2559D+01	2.1446D+02	5.1871D-03	6.2659D-04	2.0031D+02	3.3348D+02	1.8790D-06

69

SUPERHEATED SODIUM VAPOE PROPERTIES AT T= 1600.0K

P (MPA)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHA (K-1)	BETAS (MPA-1)	BETAT (MPA-1)	GAMMA (MPA/K)
2.0000D-03	1.3394D+02	2.0863D+01	1.2530D+01	2.1784D+02	3.4576D-03	6.2606D-04	3.0031D+02	5.0015D+02	1.2518D-06
1.0000D-03	1.3395D+02	2.0827D+01	1.2501D+01	2.2360D+02	1.7285D-03	6.2553D-04	6.0032D+02	1.0001D+03	6.2544D-07
9.0000D-04	1.3395D+02	2.0823D+01	1.2498D+01	2.2448D+02	1.5556D-03	6.2548D-04	6.6699D+02	1.1113D+03	5.6286D-07
8.0000D-04	1.3395D+02	2.0819D+01	1.2495D+01	2.2546D+02	1.3828D-03	6.2543D-04	7.5032D+02	1.2501D+03	5.0028D-07
7.0000D-04	1.3395D+02	2.0815D+01	1.2492D+01	2.2657D+02	1.2099D-03	6.2537D-04	8.5747D+02	1.4287D+03	4.3772D-07
6.0000D-04	1.3396D+02	2.0811D+01	1.2489D+01	2.2785D+02	1.0371D-03	6.2532D-04	1.0003D+03	1.6668D+03	3.7516D-07
5.0000D-04	1.3396D+02	2.0807D+01	1.2486D+01	2.2937D+02	8.6420D-04	6.2527D-04	1.2003D+03	2.0001D+03	3.1261D-07
4.0000D-04	1.3396D+02	2.0803D+01	1.2484D+01	2.3123D+02	6.9135D-04	6.2521D-04	1.5003D+03	2.5001D+03	2.5007D-07
3.0000D-04	1.3396D+02	2.0799D+01	1.2481D+01	2.3362D+02	5.1850D-04	6.2516D-04	2.0003D+03	3.3335D+03	1.8754D-07
2.0000D-04	1.3396D+02	2.0794D+01	1.2478D+01	2.3699D+02	3.4566D-04	6.2511D-04	3.0004D+03	5.0001D+03	1.2502D-07
1.0000D-04	1.3396D+02	2.0790D+01	1.2475D+01	2.4275D+02	1.7283D-04	6.2505D-04	6.0004D+03	1.0000D+04	6.2504D-08
9.0000D-05	1.3396D+02	2.0790D+01	1.2475D+01	2.4363D+02	1.5555D-04	6.2505D-04	6.6671D+03	1.1111D+04	5.6254D-08
8.0000D-05	1.3396D+02	2.0790D+01	1.2474D+01	2.4461D+02	1.3826D-04	6.2504D-04	7.5005D+03	1.2500D+04	5.0003D-08
7.0000D-05	1.3396D+02	2.0789D+01	1.2474D+01	2.4572D+02	1.2098D-04	6.2504D-04	8.5719D+03	1.4286D+04	4.3752D-08
6.0000D-05	1.3396D+02	2.0789D+01	1.2474D+01	2.4700D+02	1.0370D-04	6.2503D-04	1.0001D+04	1.6667D+04	3.7502D-08
5.0000D-05	1.3396D+02	2.0788D+01	1.2473D+01	2.4852D+02	8.6414D-05	6.2503D-04	1.2001D+04	2.0000D+04	3.1251D-08
4.0000D-05	1.3396D+02	2.0788D+01	1.2473D+01	2.5037D+02	6.9131D-05	6.2502D-04	1.5001D+04	2.5000D+04	2.5001D-08
3.0000D-05	1.3396D+02	2.0787D+01	1.2473D+01	2.5277D+02	5.1848D-05	6.2502D-04	2.0001D+04	3.3333D+04	1.8750D-08
2.0000D-05	1.3396D+02	2.0787D+01	1.2473D+01	2.5614D+02	3.4565D-05	6.2501D-04	3.0001D+04	5.0000D+04	1.2500D-08
1.0000D-05	1.3396D+02	2.0787D+01	1.2472D+01	2.6190D+02	1.7283D-05	6.2501D-04	6.0001D+04	1.0000D+05	6.2500D-09
9.0000D-06	1.3396D+02	2.0787D+01	1.2472D+01	2.6278D+02	1.5554D-05	6.2500D-04	6.6668D+04	1.1111D+05	5.6250D-09
8.0000D-06	1.3396D+02	2.0787D+01	1.2472D+01	2.6375D+02	1.3826D-05	6.2500D-04	7.5001D+04	1.2500D+05	5.0000D-09
7.0000D-06	1.3396D+02	2.0787D+01	1.2472D+01	2.6487D+02	1.2098D-05	6.2500D-04	8.5716D+04	1.4286D+05	4.3750D-09
6.0000D-06	1.3396D+02	2.0787D+01	1.2472D+01	2.6615D+02	1.0370D-05	6.2500D-04	1.0000D+05	1.6667D+05	3.7500D-09
5.0000D-06	1.3396D+02	2.0786D+01	1.2472D+01	2.6766D+02	8.6413D-06	6.2500D-04	1.2000D+05	2.0000D+05	3.1250D-09
4.0000D-06	1.3396D+02	2.0786D+01	1.2472D+01	2.6952D+02	6.9131D-06	6.2500D-04	1.5000D+05	2.5000D+05	2.5000D-09

SUPERHEATED SODIUM VAPOR PROPERTIES AT T= 1600.0K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHA (K-1)	BETAS (MPa-1)	BETAT (MPa-1)	GAMMA (GPa/K)
3.0000D-06	1.3396D+02	2.0786D+01	1.2472D+01	2.7191D+02	5.1848D-06	6.2500D-04	2.0000D+05	3.3333D+05	1.8750D-09
2.0000D-06	1.3396D+02	2.0786D+01	1.2472D+01	2.7528D+02	3.4565D-06	6.2500D-04	3.0000D+05	5.0000D+05	1.2500D-09
1.0000D-06	1.3396D+02	2.0786D+01	1.2472D+01	2.8104D+02	1.7283D-06	6.2500D-04	6.0001D+05	1.0000D+06	6.2500D-10
9.0000D-07	1.3396D+02	2.0786D+01	1.2472D+01	2.8192D+02	1.5554D-06	6.2500D-04	6.6668D+05	1.1111D+06	5.6250D-10
8.0000D-07	1.3396D+02	2.0786D+01	1.2472D+01	2.8290D+02	1.3826D-06	6.2500D-04	7.5001D+05	1.2500D+06	5.0000D-10
7.0000D-07	1.3396D+02	2.0786D+01	1.2472D+01	2.8401D+02	1.2098D-06	6.2500D-04	8.5716D+05	1.4286D+06	4.3750D-10
6.0000D-07	1.3396D+02	2.0786D+01	1.2472D+01	2.8529D+02	1.0370D-06	6.2500D-04	1.0000D+06	1.6667D+06	3.7500D-10
5.0000D-07	1.3396D+02	2.0786D+01	1.2472D+01	2.8681D+02	8.6413D-07	6.2500D-04	1.2000D+06	2.0000D+06	3.1250D-10
4.0000D-07	1.3396D+02	2.0786D+01	1.2472D+01	2.8866D+02	6.9131D-07	6.2500D-04	1.5000D+06	2.5000D+06	2.5000D-10
3.0000D-07	1.3396D+02	2.0786D+01	1.2472D+01	2.9105D+02	5.1848D-07	6.2500D-04	2.0000D+06	3.3333D+06	1.8750D-10
2.0000D-07	1.3396D+02	2.0786D+01	1.2472D+01	2.9443D+02	3.4565D-07	6.2500D-04	3.0000D+06	5.0000D+06	1.2500D-10
1.0000D-07	1.3396D+02	2.0786D+01	1.2472D+01	3.0019D+02	1.7283D-07	6.2500D-04	6.0001D+06	1.0000D+07	6.2500D-11
9.0000D-08	1.3396D+02	2.0786D+01	1.2472D+01	3.0106D+02	1.5554D-07	6.2500D-04	6.6668D+06	1.1111D+07	5.6250D-11
8.0000D-08	1.3396D+02	2.0786D+01	1.2472D+01	3.0204D+02	1.3826D-07	6.2500D-04	7.5001D+06	1.2500D+07	5.0000D-11
7.0000D-08	1.3396D+02	2.0786D+01	1.2472D+01	3.0315D+02	1.2098D-07	6.2500D-04	8.5716D+06	1.4286D+07	4.3750D-11
6.0000D-08	1.3396D+02	2.0786D+01	1.2472D+01	3.0444D+02	1.0370D-07	6.2500D-04	1.0000D+07	1.6667D+07	3.7500D-11
5.0000D-08	1.3396D+02	2.0786D+01	1.2472D+01	3.0595D+02	8.6413D-08	6.2500D-04	1.2000D+07	2.0000D+07	3.1250D-11
4.0000D-08	1.3396D+02	2.0786D+01	1.2472D+01	3.0781D+02	6.9131D-08	6.2500D-04	1.5000D+07	2.5000D+07	2.5000D-11
3.0000D-08	1.3396D+02	2.0786D+01	1.2472D+01	3.1020D+02	5.1848D-08	6.2500D-04	2.0000D+07	3.3333D+07	1.8750D-11
2.0000D-08	1.3396D+02	2.0786D+01	1.2472D+01	3.1357D+02	3.4565D-08	6.2500D-04	3.0000D+07	5.0000D+07	1.2500D-11
1.0000D-08	1.3396D+02	2.0786D+01	1.2472D+01	3.1933D+02	1.7283D-08	6.2500D-04	6.0001D+07	1.0000D+08	6.2500D-12
9.0000D-09	1.3396D+02	2.0786D+01	1.2472D+01	3.2021D+02	1.5554D-08	6.2500D-04	6.6668D+07	1.1111D+08	5.6250D-12
8.0000D-09	1.3396D+02	2.0786D+01	1.2472D+01	3.2119D+02	1.3826D-08	6.2500D-04	7.5001D+07	1.2500D+08	5.0000D-12
7.0000D-09	1.3396D+02	2.0786D+01	1.2472D+01	3.2230D+02	1.2098D-08	6.2500D-04	8.5716D+07	1.4286D+08	4.3750D-12
6.0000D-09	1.3396D+02	2.0786D+01	1.2472D+01	3.2358D+02	1.0370D-08	6.2500D-04	1.0000D+08	1.6667D+08	3.7500D-12
5.0000D-09	1.3396D+02	2.0786D+01	1.2472D+01	3.2510D+02	8.6413D-09	6.2500D-04	1.2000D+08	2.0000D+08	3.1250D-12

SUPERHEATED SODIUM VAPOR PROPERTIES AT T= 1600.0K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	CV (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHA/P (K-1)	BETAS (MPa-1)	BETA/T (MPa-1)	GAMMA/V (MPa/K)
4.0000D-09	1.3396D+02	2.0786D+01	1.2472D+01	3.2695D+02	6.9131D-09	6.2500D-04	1.5000D+08	2.5000D+08	2.5000D-12
3.0000D-09	1.3396D+02	2.0786D+01	1.2472D+01	3.2934D+02	5.1848D-09	6.2500D-04	2.0000D+08	3.3333D+08	1.8750D-12
2.0000D-09	1.3396D+02	2.0786D+01	1.2472D+01	3.3271D+02	3.4565D-09	6.2500D-04	3.0000D+08	5.0000D+08	1.2500D-12

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 500.0 K, CV= 0.26464D 02 J/MOL-K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHA (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMA (MPa/K)
7.6352D-08	8.7739D 00	3.0581D 01	7.4163D 01	8.9727D 02	2.6248D-04	1.8557D-04	2.1444D-04	1.2240D 00
1.0000D 01	8.9964D 00	3.0560D 01	7.4096D 01	8.9918D 02	2.6040D-04	1.8329D-04	2.1165D-04	1.2303D 00
2.0000D 01	9.2187D 00	3.0540D 01	7.4030D 01	9.0107D 02	2.5837D-04	1.8107D-04	2.0895D-04	1.2365D 00
3.0000D 01	9.4408D 00	3.0521D 01	7.3964D 01	9.0295D 02	2.5640D-04	1.7891D-04	2.0633D-04	1.2426D 00
4.0000D 01	9.6627D 00	3.0502D 01	7.3900D 01	9.0480D 02	2.5448D-04	1.7682D-04	2.0379D-04	1.2487D 00
5.0000D 01	9.8844D 00	3.0483D 01	7.3835D 01	9.0664D 02	2.5261D-04	1.7478D-04	2.0132D-04	1.2548D 00
6.0000D 01	1.0106D 01	3.0465D 01	7.3771D 01	9.0845D 02	2.5079D-04	1.7280D-04	1.9893D-04	1.2607D 00
7.0000D 01	1.0327D 01	3.0448D 01	7.3708D 01	9.1025D 02	2.4901D-04	1.7088D-04	1.9660D-04	1.2666D 00
8.0000D 01	1.0548D 01	3.0430D 01	7.3646D 01	9.1203D 02	2.4728D-04	1.6900D-04	1.9433D-04	1.2725D 00
9.0000D 01	1.0769D 01	3.0414D 01	7.3584D 01	9.1379D 02	2.4559D-04	1.6718D-04	1.9213D-04	1.2783D 00
1.0000D 02	1.0990D 01	3.0397D 01	7.3522D 01	9.1554D 02	2.4394D-04	1.6540D-04	1.8998D-04	1.2840D 00
1.1000D 02	1.1210D 01	3.0381D 01	7.3461D 01	9.1727D 02	2.4233D-04	1.6367D-04	1.8790D-04	1.2997D 00
1.2000D 02	1.1430D 01	3.0365D 01	7.3401D 01	9.1899D 02	2.4076D-04	1.6199D-04	1.8587D-04	1.2953D 00
1.3000D 02	1.1650D 01	3.0350D 01	7.3341D 01	9.2069D 02	2.3922D-04	1.6035D-04	1.8389D-04	1.3009D 00
1.4000D 02	1.1870D 01	3.0335D 01	7.3281D 01	9.2238D 02	2.3772D-04	1.5874D-04	1.8196D-04	1.3064D 00
1.5000D 02	1.2089D 01	3.0320D 01	7.3222D 01	9.2405D 02	2.3625D-04	1.5718D-04	1.8008D-04	1.3119D 00
1.6000D 02	1.2309D 01	3.0306D 01	7.3163D 01	9.2570D 02	2.3482D-04	1.5566D-04	1.7825D-04	1.3173D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 600.0 K, CV= 0.24943D 02 J/MOL-K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHA (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMAV (MPa/K)
5.0470D-06	1.1794D 01	2.9867D 01	7.9672D 01	8.7361D 02	2.7186D-04	1.9793D-04	2.3700D-04	1.1471D 00
1.0000D 01	1.2014D 01	2.9841D 01	7.9601D 01	8.7567D 02	2.6949D-04	1.9524D-04	2.3358D-04	1.1537D 00
2.0000D 01	1.2235D 01	2.9815D 01	7.9531D 01	8.7771D 02	2.6718D-04	1.9264D-04	2.3027D-04	1.1603D 00
3.0000D 01	1.2454D 01	2.9790D 01	7.9461D 01	8.7971D 02	2.6494D-04	1.9012D-04	2.2707D-04	1.1668D 00
4.0000D 01	1.2674D 01	2.9766D 01	7.9392D 01	8.8170D 02	2.6277D-04	1.8767D-04	2.2397D-04	1.1732D 00
5.0000D 01	1.2894D 01	2.9743D 01	7.9324D 01	8.8366D 02	2.6065D-04	1.8530D-04	2.2096D-04	1.1796D 00
6.0000D 01	1.3113D 01	2.9720D 01	7.9257D 01	8.8561D 02	2.5860D-04	1.8300D-04	2.1805D-04	1.1859D 00
7.0000D 01	1.3332D 01	2.9697D 01	7.9190D 01	8.8753D 02	2.5659D-04	1.8077D-04	2.1523D-04	1.1922D 00
8.0000D 01	1.3551D 01	2.9676D 01	7.9124D 01	8.8943D 02	2.5464D-04	1.7860D-04	2.1249D-04	1.1984D 00
9.0000D 01	1.3770D 01	2.9655D 01	7.9058D 01	8.9131D 02	2.5274D-04	1.7649D-04	2.0983D-04	1.2045D 00
1.0000D 02	1.3989D 01	2.9634D 01	7.8993D 01	8.9317D 02	2.5090D-04	1.7444D-04	2.0725D-04	1.2106D 00
1.1000D 02	1.4208D 01	2.9614D 01	7.8929D 01	8.9501D 02	2.4909D-04	1.7244D-04	2.0474D-04	1.2166D 00
1.2000D 02	1.4426D 01	2.9594D 01	7.8865D 01	8.9683D 02	2.4733D-04	1.7051D-04	2.0230D-04	1.2226D 00
1.3000D 02	1.4644D 01	2.9575D 01	7.8802D 01	8.9864D 02	2.4562D-04	1.6862D-04	1.9993D-04	1.2285D 00
1.4000D 02	1.4862D 01	2.9556D 01	7.8740D 01	9.0043D 02	2.4395D-04	1.6678D-04	1.9763D-04	1.2344D 00
1.5000D 02	1.5080D 01	2.9538D 01	7.8678D 01	9.0220D 02	2.4232D-04	1.6499D-04	1.9539D-04	1.2402D 00
1.6000D 02	1.5298D 01	2.9520D 01	7.8616D 01	9.0395D 02	2.4072D-04	1.6325D-04	1.9321D-04	1.2459D 00
1.7000D 02	1.5516D 01	2.9502D 01	7.8555D 01	9.0569D 02	2.3917D-04	1.6155D-04	1.9108D-04	1.2517D 00
1.8000D 02	1.5733D 01	2.9485D 01	7.8495D 01	9.0741D 02	2.3765D-04	1.5989D-04	1.8901D-04	1.2573D 00
1.9000D 02	1.5950D 01	2.9468D 01	7.8435D 01	9.0912D 02	2.3616D-04	1.5828D-04	1.8700D-04	1.2629D 00
2.0000D 02	1.6167D 01	2.9452D 01	7.8375D 01	9.1081D 02	2.3471D-04	1.5670D-04	1.8503D-04	1.2685D 00
2.5000D 02	1.7249D 01	2.9375D 01	7.8085D 01	9.1906D 02	2.2792D-04	1.4938D-04	1.7592D-04	1.2956D 00
3.0000D 02	1.8326D 01	2.9305D 01	7.7805D 01	9.2699D 02	2.2181D-04	1.4286D-04	1.6784D-04	1.3216D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 700.0 K, CV= 0.23658D 02 J/MOL-K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHA P (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMA V (MPa/K)
9.86E8D-05	1.4754D 01	2.9368D 01	8.4237D 01	8.4978D 02	2.8142D-04	2.1165D-04	2.6272D-04	1.0712D 00
1.0000D 01	1.4972D 01	2.9335D 01	8.4161D 01	8.5200D 02	2.7872D-04	2.0850D-04	2.5852D-04	1.0781D 00
2.0000D 01	1.5189D 01	2.9303D 01	8.4087D 01	8.5418D 02	2.7611D-04	2.0545D-04	2.5447D-04	1.0850D 00
3.0000D 01	1.5406D 01	2.9272D 01	8.4013D 01	8.5634D 02	2.7357D-04	2.0251D-04	2.5056D-04	1.0919D 00
4.0000D 01	1.5623D 01	2.9242D 01	8.3940D 01	8.5848D 02	2.7112D-04	1.9966D-04	2.4678D-04	1.0986D 00
5.0000D 01	1.5840D 01	2.9213D 01	8.3867D 01	8.6058D 02	2.6873D-04	1.9690D-04	2.4313D-04	1.1053D 00
6.0000D 01	1.6057D 01	2.9185D 01	8.3796D 01	8.6266D 02	2.6641D-04	1.9422D-04	2.3959D-04	1.1119D 00
7.0000D 01	1.6274D 01	2.9158D 01	8.3725D 01	8.6472D 02	2.6416D-04	1.9163D-04	2.3618D-04	1.1185D 00
8.0000D 01	1.6490D 01	2.9131D 01	8.3656D 01	8.6675D 02	2.6198D-04	1.8912D-04	2.3287D-04	1.1250D 00
9.0000D 01	1.6707D 01	2.9105D 01	8.3586D 01	8.6875D 02	2.5985D-04	1.8669D-04	2.2967D-04	1.1314D 00
1.0000D 02	1.6923D 01	2.9080D 01	8.3518D 01	8.7074D 02	2.5778D-04	1.8432D-04	2.2656D-04	1.1378D 00
1.1000D 02	1.7140D 01	2.9055D 01	8.3450D 01	8.7270D 02	2.5577D-04	1.8203D-04	2.2355D-04	1.1441D 00
1.2000D 02	1.7356D 01	2.9031D 01	8.3383D 01	8.7464D 02	2.5381D-04	1.7980D-04	2.2063D-04	1.1504D 00
1.3000D 02	1.7572D 01	2.9008D 01	8.3317D 01	8.7656D 02	2.5190D-04	1.7764D-04	2.1780D-04	1.1566D 00
1.4000D 02	1.7788D 01	2.8985D 01	8.3251D 01	8.7846D 02	2.5004D-04	1.7553D-04	2.1505D-04	1.1627D 00
1.5000D 02	1.8004D 01	2.8963D 01	8.3186D 01	8.8034D 02	2.4823D-04	1.7348D-04	2.1238D-04	1.1688D 00
1.6000D 02	1.8219D 01	2.8941D 01	8.3121D 01	8.8220D 02	2.4647D-04	1.7149D-04	2.0979D-04	1.1749D 00
1.7000D 02	1.8435D 01	2.8920D 01	8.3057D 01	8.8404D 02	2.4474D-04	1.6956D-04	2.0726D-04	1.1808D 00
1.8000D 02	1.8650D 01	2.8899D 01	8.2994D 01	8.8586D 02	2.4306D-04	1.6767D-04	2.0481D-04	1.1868D 00
1.9000D 02	1.8866D 01	2.8879D 01	8.2931D 01	8.8767D 02	2.4143D-04	1.6583D-04	2.0243D-04	1.1927D 00
2.0000D 02	1.9081D 01	2.8859D 01	8.2869D 01	8.8946D 02	2.3983D-04	1.6405D-04	2.0011D-04	1.1985D 00
2.5000D 02	2.0155D 01	2.8767D 01	8.2565D 01	8.9815D 02	2.3236D-04	1.5575D-04	1.8939D-04	1.2269D 00
3.0000D 02	2.1224D 01	2.8684D 01	8.2274D 01	9.0648D 02	2.2570D-04	1.4842D-04	1.7995D-04	1.2542D 00
3.5000D 02	2.2290D 01	2.8610D 01	8.1993D 01	9.1448D 02	2.1970D-04	1.4188D-04	1.7157D-04	1.2805D 00
4.0000D 02	2.3352D 01	2.8542D 01	8.1721D 01	9.2218D 02	2.1428D-04	1.3602D-04	1.6410D-04	1.3058D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 800.0 K, CV= 0.22586D 02 J/MOL-K

P (MPA)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	BHO (KG/M**3)	ALPHAP (1/K)	BETAS (1/MPA)	BETAT (1/MPA)	GAMMAV (MPA/K)
9.0430D-04	1.7674D 01	2.9055D 01	8.8137D 01	8.2580D 02	2.9118D-04	2.2697D-04	2.9197D-04	9.9730D-01
1.0000D 01	1.7888D 01	2.9014D 01	8.8057D 01	8.2819D 02	2.8812D-04	2.2328D-04	2.8682D-04	1.0045D 00
2.0000D 01	1.8101D 01	2.8976D 01	8.7977D 01	8.3055D 02	2.8516D-04	2.1971D-04	2.8186D-04	1.0117D 00
3.0000D 01	1.8315D 01	2.8938D 01	8.7899D 01	8.3287D 02	2.8230D-04	2.1627D-04	2.7709D-04	1.0188D 00
4.0000D 01	1.8529D 01	2.8902D 01	8.7821D 01	8.3516D 02	2.7953D-04	2.1295D-04	2.7249D-04	1.0258D 00
5.0000D 01	1.8742D 01	2.8866D 01	8.7745D 01	8.3742D 02	2.7685D-04	2.0975D-04	2.6806D-04	1.0328D 00
6.0000D 01	1.8956D 01	2.8832D 01	8.7669D 01	8.3965D 02	2.7425D-04	2.0665D-04	2.6379D-04	1.0396D 00
7.0000D 01	1.9170D 01	2.8799D 01	8.7595D 01	8.4185D 02	2.7172D-04	2.0365D-04	2.5966D-04	1.0465D 00
8.0000D 01	1.9384D 01	2.8767D 01	8.7521D 01	8.4403D 02	2.6928D-04	2.0075D-04	2.5568D-04	1.0532D 00
9.0000D 01	1.9597D 01	2.8736D 01	8.7448D 01	8.4617D 02	2.6691D-04	1.9794D-04	2.5183D-04	1.0599D 00
1.0000D 02	1.9811D 01	2.8705D 01	8.7376D 01	8.4829D 02	2.6460D-04	1.9522D-04	2.4810D-04	1.0665D 00
1.1000D 02	2.0025D 01	2.8676D 01	8.7304D 01	8.5038D 02	2.6236D-04	1.9258D-04	2.4450D-04	1.0731D 00
1.2000D 02	2.0238D 01	2.8647D 01	8.7234D 01	8.5245D 02	2.6019D-04	1.9002D-04	2.4101D-04	1.0796D 00
1.3000D 02	2.0452D 01	2.8619D 01	8.7164D 01	8.5449D 02	2.5807D-04	1.8754D-04	2.3764D-04	1.0860D 00
1.4000D 02	2.0665D 01	2.8592D 01	8.7095D 01	8.5651D 02	2.5601D-04	1.8514D-04	2.3436D-04	1.0924D 00
1.5000D 02	2.0879D 01	2.8566D 01	8.7027D 01	8.5850D 02	2.5401D-04	1.8280D-04	2.3119D-04	1.0987D 00
1.6000D 02	2.1092D 01	2.8540D 01	8.6959D 01	8.6048D 02	2.5206D-04	1.8053D-04	2.2811D-04	1.1050D 00
1.7000D 02	2.1305D 01	2.8515D 01	8.6892D 01	8.6243D 02	2.5016D-04	1.7832D-04	2.2513D-04	1.1112D 00
1.8000D 02	2.1519D 01	2.8491D 01	8.6826D 01	8.6436D 02	2.4831D-04	1.7618D-04	2.2223D-04	1.1174D 00
1.9000D 02	2.1732D 01	2.8467D 01	8.6760D 01	8.6627D 02	2.4651D-04	1.7409D-04	2.1942D-04	1.1235D 00
2.0000D 02	2.1945D 01	2.8444D 01	8.6695D 01	8.6816D 02	2.4475D-04	1.7206D-04	2.1668D-04	1.1295D 00
2.5000D 02	2.3008D 01	2.8335D 01	8.6378D 01	8.7734D 02	2.3658D-04	1.6270D-04	2.0411D-04	1.1591D 00
3.0000D 02	2.4069D 01	2.8239D 01	8.6074D 01	8.8609D 02	2.2932D-04	1.5446D-04	1.9311D-04	1.1875D 00
3.5000D 02	2.5127D 01	2.8153D 01	8.5782D 01	8.9446D 02	2.2283D-04	1.4715D-04	1.8342D-04	1.2149D 00
4.0000D 02	2.6181D 01	2.8075D 01	8.5501D 01	9.0251D 02	2.1698D-04	1.4064D-04	1.7481D-04	1.2412D 00
4.5000D 02	2.7232D 01	2.8005D 01	8.5229D 01	9.1025D 02	2.1169D-04	1.3479D-04	1.6713D-04	1.2666D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 800.0 K, CV= 0.22586D 02 J/MOL-K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	BHO (KG/M**3)	ALPHA P (1/K)	BETA S (1/MPa)	BETA T (1/MPa)	GAMMA V (MPa/K)
5.0000D 02	2.8279D 01	2.7940D 01	8.4966D 01	9.1773D 02	2.0688D-04	1.2952D-04	1.6023D-04	1.2912D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 900.0 K, CV= 0.21714D 02 J/MOL·K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL·K)	S (J/MOL·K)	PHO (KG/M ³)	ALPHA P (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMA V (MPa/K)
5.0103D-03	2.0571D 01	2.8914D 01	9.1551D 01	8.0170D 02	3.0116D-04	2.4420D-04	3.2517D-04	9.2618D-01
1.0000D 01	2.0780D 01	2.8865D 01	9.1465D 01	8.0428D 02	2.9770D-04	2.3986D-04	3.1885D-04	9.3365D-01
2.0000D 01	2.0990D 01	2.8818D 01	9.1380D 01	8.0683D 02	2.9435D-04	2.3569D-04	3.1280D-04	9.4100D-01
3.0000D 01	2.1199D 01	2.8773D 01	9.1297D 01	8.0933D 02	2.9113D-04	2.3167D-04	3.0698D-04	9.4835D-01
4.0000D 01	2.1409D 01	2.8729D 01	9.1215D 01	8.1180D 02	2.8801D-04	2.2780D-04	3.0140D-04	9.5558D-01
5.0000D 01	2.1619D 01	2.8687D 01	9.1134D 01	8.1423D 02	2.8500D-04	2.2408D-04	2.9633D-04	9.6274D-01
6.0000D 01	2.1829D 01	2.8647D 01	9.1054D 01	8.1662D 02	2.8209D-04	2.2048D-04	2.9087D-04	9.6983D-01
7.0000D 01	2.2039D 01	2.8607D 01	9.0975D 01	8.1898D 02	2.7928D-04	2.1701D-04	2.8590D-04	9.7684D-01
8.0000D 01	2.2249D 01	2.8569D 01	9.0897D 01	8.2130D 02	2.7656D-04	2.1366D-04	2.8111D-04	9.8379D-01
9.0000D 01	2.2459D 01	2.8532D 01	9.0820D 01	8.2360D 02	2.7392D-04	2.1043D-04	2.7650D-04	9.9067D-01
1.0000D 02	2.2670D 01	2.8496D 01	9.0744D 01	8.2586D 02	2.7136D-04	2.0730D-04	2.7204D-04	9.9749D-01
1.1000D 02	2.2880D 01	2.8461D 01	9.0669D 01	8.2809D 02	2.6888D-04	2.0427D-04	2.6774D-04	1.0042D 00
1.2000D 02	2.3091D 01	2.8428D 01	9.0595D 01	8.3029D 02	2.6647D-04	2.0134D-04	2.6359D-04	1.0109D 00
1.3000D 02	2.3301D 01	2.8395D 01	9.0522D 01	8.3247D 02	2.6413D-04	1.9850D-04	2.5957D-04	1.0176D 00
1.4000D 02	2.3512D 01	2.8363D 01	9.0449D 01	8.3461D 02	2.6186D-04	1.9575D-04	2.5569D-04	1.0241D 00
1.5000D 02	2.3722D 01	2.8332D 01	9.0377D 01	8.3673D 02	2.5965D-04	1.9309D-04	2.5193D-04	1.0306D 00
1.6000D 02	2.3933D 01	2.8302D 01	9.0306D 01	8.3883D 02	2.5751D-04	1.9050D-04	2.4830D-04	1.0371D 00
1.7000D 02	2.4143D 01	2.8273D 01	9.0236D 01	8.4090D 02	2.5542D-04	1.8799D-04	2.4478D-04	1.0435D 00
1.8000D 02	2.4354D 01	2.8244D 01	9.0167D 01	8.4295D 02	2.5340D-04	1.8556D-04	2.4136D-04	1.0498D 00
1.9000D 02	2.4565D 01	2.8217D 01	9.0098D 01	8.4497D 02	2.5142D-04	1.8319D-04	2.3806D-04	1.0561D 00
2.0000D 02	2.4775D 01	2.8190D 01	9.0030D 01	8.4697D 02	2.4950D-04	1.8090D-04	2.3485D-04	1.0624D 00
2.5000D 02	2.5827D 01	2.8065D 01	8.9699D 01	8.5665D 02	2.4059D-04	1.7033D-04	2.2015D-04	1.0928D 00
3.0000D 02	2.6878D 01	2.7955D 01	8.9383D 01	8.6585D 02	2.3271D-04	1.6109D-04	2.0739D-04	1.1221D 00
3.5000D 02	2.7926D 01	2.7857D 01	8.9081D 01	8.7463D 02	2.2570D-04	1.5294D-04	1.9620D-04	1.1503D 00
4.0000D 02	2.8972D 01	2.7769D 01	8.8790D 01	8.8303D 02	2.1941D-04	1.4570D-04	1.8633D-04	1.1775D 00
4.5000D 02	3.0016D 01	2.7689D 01	8.8509D 01	8.9109D 02	2.1374D-04	1.3924D-04	1.7755D-04	1.2038D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 900.0 K, CV= 0.21714D 02 J/MOL-K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	ENH (KG/M**3)	ALPHA (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMA (MPa/K)
5.0000D 02	3.1056D 01	2.7617D 01	8.8238D 01	8.9886D 02	2.0861D-04	1.3343D-04	1.6971D-04	1.2292D 00
6.0000D 02	3.3127D 01	2.7492D 01	8.7720D 01	9.1361D 02	1.9967D-04	1.2343D-04	1.5628D-04	1.2777D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1000.0 K, CV= 0.21033D 02 J/MOL-K

P (MPa)	H-H (298) (KJ/ECL)	CP (J/MOL-K)	S (J/MOL-K)	ENH (KG/M**3)	ALPHA P (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMA V (MPa/K)
1.9549D-02	2.3463D 01	2.8936D 01	9.4597D 01	7.7752D 02	3.1140D-04	2.6371D-04	3.6281D-04	8.5831D-01
1.0000D 01	2.3666D 01	2.8878D 01	9.4506D 01	7.8031D 02	3.0748D-04	2.5861D-04	3.5508D-04	8.6596D-01
2.0000D 01	2.3870D 01	2.8822D 01	9.4416D 01	7.8306D 02	3.0371D-04	2.5371D-04	3.4768D-04	8.7354D-01
3.0000D 01	2.4075D 01	2.8769D 01	9.4328D 01	7.8576D 02	3.0008D-04	2.4901D-04	3.4060D-04	8.8103D-01
4.0000D 01	2.4280D 01	2.8717D 01	9.4241D 01	7.8841D 02	2.9658D-04	2.4450D-04	3.3383D-04	8.8844D-01
5.0000D 01	2.4485D 01	2.8667D 01	9.4155D 01	7.9102D 02	2.9321D-04	2.4016D-04	3.2733D-04	8.9577D-01
6.0000D 01	2.4691D 01	2.8619D 01	9.4070D 01	7.9359D 02	2.8997D-04	2.3599D-04	3.2111D-04	9.0302D-01
7.0000D 01	2.4897D 01	2.8573D 01	9.3987D 01	7.9612D 02	2.8683D-04	2.3197D-04	3.1513D-04	9.1020D-01
8.0000D 01	2.5103D 01	2.8528D 01	9.3905D 01	7.9861D 02	2.8380D-04	2.2810D-04	3.0939D-04	9.1731D-01
9.0000D 01	2.5309D 01	2.8485D 01	9.3823D 01	8.0106D 02	2.8088D-04	2.2437D-04	3.0386D-04	9.2435D-01
1.0000D 02	2.5515D 01	2.8443D 01	9.3743D 01	8.0348D 02	2.7804D-04	2.2077D-04	2.9855D-04	9.3132D-01
1.1000D 02	2.5722D 01	2.8402D 01	9.3664D 01	8.0586D 02	2.7530D-04	2.1730D-04	2.9343D-04	9.3822D-01
1.2000D 02	2.5929D 01	2.8363D 01	9.3586D 01	8.0821D 02	2.7265D-04	2.1394D-04	2.8850D-04	9.4506D-01
1.3000D 02	2.6136D 01	2.8325D 01	9.3509D 01	8.1052D 02	2.7008D-04	2.1069D-04	2.8374D-04	9.5184D-01
1.4000D 02	2.6343D 01	2.8288D 01	9.3433D 01	8.1281D 02	2.6758D-04	2.0755D-04	2.7915D-04	9.5856D-01
1.5000D 02	2.6550D 01	2.8252D 01	9.3358D 01	8.1506D 02	2.6516D-04	2.0452D-04	2.7472D-04	9.6521D-01
1.6000D 02	2.6758D 01	2.8218D 01	9.3283D 01	8.1729D 02	2.6281D-04	2.0158D-04	2.7044D-04	9.7181D-01
1.7000D 02	2.6965D 01	2.8184D 01	9.3210D 01	8.1948D 02	2.6053D-04	1.9873D-04	2.6630D-04	9.7835D-01
1.8000D 02	2.7173D 01	2.8152D 01	9.3137D 01	8.2165D 02	2.5832D-04	1.9557D-04	2.6229D-04	9.8484D-01
1.9000D 02	2.7380D 01	2.8120D 01	9.3065D 01	8.2379D 02	2.5616D-04	1.9329D-04	2.5842D-04	9.9127D-01
2.0000D 02	2.7588D 01	2.8089D 01	9.2994D 01	8.2591D 02	2.5407D-04	1.9069D-04	2.5467D-04	9.9764D-01
2.5000D 02	2.8626D 01	2.7947D 01	9.2650D 01	8.3613D 02	2.4440D-04	1.7879D-04	2.3756D-04	1.0288D 00
3.0000D 02	2.9665D 01	2.7822D 01	9.2321D 01	8.4580D 02	2.3585D-04	1.6844D-04	2.2280D-04	1.0587D 00
3.5000D 02	3.0703D 01	2.7711D 01	9.2008D 01	8.5499D 02	2.2834D-04	1.5936D-04	2.0995D-04	1.0876D 00
4.0000D 02	3.1740D 01	2.7613D 01	9.1707D 01	8.6377D 02	2.2160D-04	1.5133D-04	1.9867D-04	1.1155D 00
4.5000D 02	3.2775D 01	2.7524D 01	9.1417D 01	8.7217D 02	2.1555D-04	1.4418D-04	1.8868D-04	1.1424D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1000.0 K, CV= 0.21033D 02 J/MOL-K

P (MPa)	H(298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	PHO (KG/M**3)	ALPHA (1/K)	BETA (1/MPa)	BETA (1/MPa)	GAMMA (MPa/K)
5.0000D 02	3.3808D 01	2.7445D 01	9.1138D 01	8.8023D 02	2.1009D-04	1.3779D-04	1.7980D-04	1.1685D 00
6.0000D 02	3.5866D 01	2.7308D 01	9.0607D 01	8.9550D 02	2.0061D-04	1.2684D-04	1.6467D-04	1.2183D 00
7.0000D 02	3.7912D 01	2.7194D 01	9.0106D 01	9.0979D 02	1.9270D-04	1.1781D-04	1.5232D-04	1.2651D 00
8.0000D 02	3.9946D 01	2.7097D 01	8.9631D 01	9.2327D 02	1.8600D-04	1.1026D-04	1.4205D-04	1.3094D 00

SYBCOOLED SODIUM LIQUID PROPERTIES AT T = 1100.0 K, CV= 0.20536D 02 J/MOL-K

P (MPA)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHA (1/K)	BETAS (1/MPA)	BETAT (1/MPA)	GAMMA (MPA/K)
5.9173D-02	2.6365D 01	2.9118D 01	9.7362D 01	7.5330D 02	3.2196D-04	2.8599D-04	4.0551D-04	7.9395D-01
1.0000D 01	2.6561D 01	2.9049D 01	9.7266D 01	7.5631D 02	3.1753D-04	2.7998D-04	3.9605D-04	8.0174D-01
2.0000D 01	2.6759D 01	2.8982D 01	9.7170D 01	7.5927D 02	3.1326D-04	2.7421D-04	3.8699D-04	8.0949D-01
3.0000D 01	2.6958D 01	2.8919D 01	9.7076D 01	7.6218D 02	3.0918D-04	2.6869D-04	3.7837D-04	8.1713D-01
4.0000D 01	2.7157D 01	2.8858D 01	9.6983D 01	7.6504D 02	3.0526D-04	2.6340D-04	3.7015D-04	8.2469D-01
5.0000D 01	2.7357D 01	2.8799D 01	9.6892D 01	7.6785D 02	3.0149D-04	2.5834D-04	3.6229D-04	8.3217D-01
6.0000D 01	2.7558D 01	2.8743D 01	9.6803D 01	7.7061D 02	2.9787D-04	2.5348D-04	3.5479D-04	8.3956D-01
7.0000D 01	2.7758D 01	2.8689D 01	9.6715D 01	7.7332D 02	2.9438D-04	2.4882D-04	3.4761D-04	8.4688D-01
8.0000D 01	2.7960D 01	2.8637D 01	9.6628D 01	7.7598D 02	2.9103D-04	2.4434D-04	3.4073D-04	8.5411D-01
9.0000D 01	2.8161D 01	2.8587D 01	9.6542D 01	7.7861D 02	2.8779D-04	2.4003D-04	3.3414D-04	8.6128D-01
1.0000D 02	2.8363D 01	2.8538D 01	9.6458D 01	7.8119D 02	2.8466D-04	2.3589D-04	3.2781D-04	8.6837D-01
1.1000D 02	2.8566D 01	2.8492D 01	9.6375D 01	7.8373D 02	2.8164D-04	2.3189D-04	3.2174D-04	8.7539D-01
1.2000D 02	2.8768D 01	2.8447D 01	9.6293D 01	7.8623D 02	2.7873D-04	2.2804D-04	3.1589D-04	8.8234D-01
1.3000D 02	2.8971D 01	2.8403D 01	9.6212D 01	7.8870D 02	2.7590D-04	2.2433D-04	3.1027D-04	8.8923D-01
1.4000D 02	2.9174D 01	2.8361D 01	9.6132D 01	7.9113D 02	2.7317D-04	2.2075D-04	3.0486D-04	8.9606D-01
1.5000D 02	2.9378D 01	2.8320D 01	9.6053D 01	7.9352D 02	2.7053D-04	2.1728D-04	2.9965D-04	9.0282D-01
1.6000D 02	2.9581D 01	2.8280D 01	9.5975D 01	7.9588D 02	2.6796D-04	2.1394D-04	2.9462D-04	9.0952D-01
1.7000D 02	2.9785D 01	2.8242D 01	9.5898D 01	7.9821D 02	2.6548D-04	2.1070D-04	2.8977D-04	9.1617D-01
1.8000D 02	2.9989D 01	2.8205D 01	9.5822D 01	8.0051D 02	2.6307D-04	2.0757D-04	2.8509D-04	9.2275D-01
1.9000D 02	3.0193D 01	2.8169D 01	9.5747D 01	8.0277D 02	2.6073D-04	2.0454D-04	2.8057D-04	9.2928D-01
2.0000D 02	3.0398D 01	2.8134D 01	9.5673D 01	8.0501D 02	2.5845D-04	2.0160D-04	2.7620D-04	9.3576D-01
2.5000D 02	3.1421D 01	2.7973D 01	9.5314D 01	8.1579D 02	2.4800D-04	1.8820D-04	2.5637D-04	9.6737D-01
3.0000D 02	3.2447D 01	2.7833D 01	9.4973D 01	8.2596D 02	2.3885D-04	1.7662D-04	2.3938D-04	9.9779D-01
3.5000D 02	3.3473D 01	2.7710D 01	9.4648D 01	8.3559D 02	2.3077D-04	1.6651D-04	2.2468D-04	1.0271D 00
4.0000D 02	3.4500D 01	2.7603D 01	9.4337D 01	8.4475D 02	2.2358D-04	1.5761D-04	2.1184D-04	1.0555D 00
4.5000D 02	3.5525D 01	2.7503D 01	9.4039D 01	8.5350D 02	2.1715D-04	1.4973D-04	2.0053D-04	1.0829D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1100.0 K, CV= 0.205360 02 J/MOL-K

P (MPa)	H-H(298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	rho (KG/M**3)	ALPHA (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMA (MPa/K)
5.00000 02	3.65500 01	2.74160 01	9.37520 01	8.61880 02	2.11350-04	1.42690-04	1.90500-04	1.10940 00
6.00000 02	3.85930 01	2.72670 01	9.32070 01	8.77680 02	2.01340-04	1.30700-04	1.73540-04	1.16020 00
7.00000 02	4.06280 01	2.71440 01	9.26950 01	8.92410 02	1.93010-04	1.20860-04	1.59760-04	1.20810 00
8.00000 02	4.26520 01	2.70420 01	9.22110 01	9.06250 02	1.85990-04	1.12680-04	1.48380-04	1.25350 00
9.00000 02	4.46640 01	2.69560 01	9.17500 01	9.19350 02	1.80000-04	1.05770-04	1.38840-04	1.29650 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1200.0 K, CV= 0.20216D 02 J/MOL-K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHAP (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMAV (MPa/K)
1.4818D-01	2.9294D 01	2.9453D 01	9.9908D 01	7.2907D 02	3.3291D-04	3.1167D-04	4.5407D-04	7.3317D-01
1.0000D 01	2.9481D 01	2.9372D 01	9.9806D 01	7.3229D 02	3.2792D-04	3.0457D-04	4.4250D-04	7.4106D-01
2.0000D 01	2.9672D 01	2.9293D 01	9.9704D 01	7.3550D 02	3.2308D-04	2.9771D-04	4.3138D-04	7.4896D-01
3.0000D 01	2.9864D 01	2.9219D 01	9.9604D 01	7.3864D 02	3.1847D-04	2.9118D-04	4.2084D-04	7.5676D-01
4.0000D 01	3.0056D 01	2.9147D 01	9.9506D 01	7.4172D 02	3.1407D-04	2.8496D-04	4.1084D-04	7.6446D-01
5.0000D 01	3.0250D 01	2.9079D 01	9.9409D 01	7.4473D 02	3.0985D-04	2.7902D-04	4.0133D-04	7.7206D-01
6.0000D 01	3.0444D 01	2.9014D 01	9.9314D 01	7.4769D 02	3.0582D-04	2.7334D-04	3.9228D-04	7.7958D-01
7.0000D 01	3.0639D 01	2.8951D 01	9.9221D 01	7.5060D 02	3.0194D-04	2.6791D-04	3.8366D-04	7.8701D-01
8.0000D 01	3.0835D 01	2.8891D 01	9.9129D 01	7.5345D 02	2.9822D-04	2.6271D-04	3.7543D-04	7.9435D-01
9.0000D 01	3.1031D 01	2.8833D 01	9.9039D 01	7.5626D 02	2.9464D-04	2.5772D-04	3.6756D-04	8.0162D-01
1.0000D 02	3.1228D 01	2.8778D 01	9.8950D 01	7.5901D 02	2.9120D-04	2.5293D-04	3.6004D-04	8.0881D-01
1.1000D 02	3.1425D 01	2.8724D 01	9.8863D 01	7.6172D 02	2.8789D-04	2.4833D-04	3.5283D-04	8.1592D-01
1.2000D 02	3.1623D 01	2.8673D 01	9.8776D 01	7.6439D 02	2.8469D-04	2.4390D-04	3.4593D-04	8.2297D-01
1.3000D 02	3.1821D 01	2.8623D 01	9.8691D 01	7.6701D 02	2.8160D-04	2.3965D-04	3.3930D-04	8.2994D-01
1.4000D 02	3.2020D 01	2.8575D 01	9.8607D 01	7.6960D 02	2.7862D-04	2.3555D-04	3.3294D-04	8.3685D-01
1.5000D 02	3.2219D 01	2.8529D 01	9.8525D 01	7.7214D 02	2.7574D-04	2.3160D-04	3.2682D-04	8.4369D-01
1.6000D 02	3.2418D 01	2.8484D 01	9.8443D 01	7.7464D 02	2.7295D-04	2.2778D-04	3.2094D-04	8.5047D-01
1.7000D 02	3.2618D 01	2.8441D 01	9.8363D 01	7.7711D 02	2.7025D-04	2.2411D-04	3.1528D-04	8.5719D-01
1.8000D 02	3.2818D 01	2.8399D 01	9.8283D 01	7.7954D 02	2.6764D-04	2.2055D-04	3.0982D-04	8.6385D-01
1.9000D 02	3.3019D 01	2.8359D 01	9.8205D 01	7.8194D 02	2.6511D-04	2.1712D-04	3.0456D-04	8.7045D-01
2.0000D 02	3.3219D 01	2.8319D 01	9.8127D 01	7.8431D 02	2.6265D-04	2.1380D-04	2.9949D-04	8.7699D-01
2.5000D 02	3.4226D 01	2.8140D 01	9.7754D 01	7.9567D 02	2.5140D-04	1.9871D-04	2.7659D-04	9.0893D-01
3.0000D 02	3.5236D 01	2.7984D 01	9.7400D 01	8.0635D 02	2.4161D-04	1.8575D-04	2.5713D-04	9.3964D-01
3.5000D 02	3.6250D 01	2.7848D 01	9.7064D 01	8.1643D 02	2.3300D-04	1.7451D-04	2.4038D-04	9.6927D-01
4.0000D 02	3.7265D 01	2.7728D 01	9.6743D 01	8.2600D 02	2.2536D-04	1.6465D-04	2.2583D-04	9.9791D-01
4.5000D 02	3.8280D 01	2.7622D 01	9.6436D 01	8.3511D 02	2.1854D-04	1.5596D-04	2.1308D-04	1.0256D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1200.0 K, CV= 0.20216D 02 J/MOL-K

P (MPa)	H-H(298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	BHO (KG/M**3)	ALPHAP (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMAV (MPa/K)
5.0000D 02	3.9296D 01	2.7527D 01	9.6141D 01	8.4381D 02	2.1242D-04	1.4822D-04	2.0182D-04	1.0525D 00
6.0000D 02	4.1324D 01	2.7365D 01	9.5582D 01	8.6016D 02	2.0188D-04	1.3509D-04	1.8286D-04	1.1040D 00
7.0000D 02	4.3346D 01	2.7233D 01	9.5059D 01	8.7535D 02	1.9314D-04	1.2439D-04	1.6756D-04	1.1527D 00
8.0000D 02	4.5359D 01	2.7125D 01	9.4566D 01	8.8956D 02	1.8580D-04	1.1551D-04	1.5498D-04	1.1988D 00
9.0000D 02	4.7362D 01	2.7034D 01	9.4098D 01	9.0297D 02	1.7956D-04	1.0805D-04	1.4449D-04	1.2427D 00
1.0000D 03	4.9354D 01	2.6959D 01	9.3651D 01	9.1569D 02	1.7421D-04	1.0171D-04	1.3562D-04	1.2845D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1300.0 K, CV= 0.200710 02 J/MOL-K

P (MPa)	H-B (298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHA (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMA (MPa/K)
3.2090D-01	3.2265D 01	2.9941D 01	1.0228D 02	7.0485D 02	3.4438D-04	3.4160D-04	5.0558D-04	6.7582D-01
1.0000D 01	3.2440D 01	2.9846D 01	1.0217D 02	7.0829D 02	3.3876D-04	3.3317D-04	4.9543D-04	6.8376D-01
2.0000D 01	3.2623D 01	2.9753D 01	1.0207D 02	7.1176D 02	3.3325D-04	3.2494D-04	4.8168D-04	6.9184D-01
3.0000D 01	3.2807D 01	2.9665D 01	1.0196D 02	7.1515D 02	3.2802D-04	3.1714D-04	4.6874D-04	6.9980D-01
4.0000D 01	3.2992D 01	2.9582D 01	1.0185D 02	7.1846D 02	3.2306D-04	3.0975D-04	4.5652D-04	7.0765D-01
5.0000D 01	3.3178D 01	2.9503D 01	1.0175D 02	7.2171D 02	3.1833D-04	3.0273D-04	4.4497D-04	7.1539D-01
6.0000D 01	3.3365D 01	2.9427D 01	1.0165D 02	7.2488D 02	3.1382D-04	2.9604D-04	4.3404D-04	7.2303D-01
7.0000D 01	3.3553D 01	2.9355D 01	1.0155D 02	7.2800D 02	3.0951D-04	2.8967D-04	4.2366D-04	7.3057D-01
8.0000D 01	3.3743D 01	2.9286D 01	1.0146D 02	7.3105D 02	3.0539D-04	2.8360D-04	4.1380D-04	7.3802D-01
9.0000D 01	3.3933D 01	2.9220D 01	1.0136D 02	7.3405D 02	3.0144D-04	2.7779D-04	4.0441D-04	7.4538D-01
1.0000D 02	3.4123D 01	2.9157D 01	1.0127D 02	7.3699D 02	2.9765D-04	2.7223D-04	3.9547D-04	7.5266D-01
1.1000D 02	3.4315D 01	2.9096D 01	1.0118D 02	7.3988D 02	2.9401D-04	2.6691D-04	3.8693D-04	7.5986D-01
1.2000D 02	3.4507D 01	2.9038D 01	1.0108D 02	7.4272D 02	2.9052D-04	2.6181D-04	3.7878D-04	7.6698D-01
1.3000D 02	3.4700D 01	2.8982D 01	1.0100D 02	7.4551D 02	2.8715D-04	2.5692D-04	3.7098D-04	7.7402D-01
1.4000D 02	3.4894D 01	2.8928D 01	1.0091D 02	7.4825D 02	2.8390D-04	2.5222D-04	3.6351D-04	7.8100D-01
1.5000D 02	3.5088D 01	2.8876D 01	1.0082D 02	7.5095D 02	2.8077D-04	2.4770D-04	3.5635D-04	7.8790D-01
1.6000D 02	3.5283D 01	2.8826D 01	1.0074D 02	7.5360D 02	2.7775D-04	2.4334D-04	3.4949D-04	7.9474D-01
1.7000D 02	3.5478D 01	2.8778D 01	1.0065D 02	7.5622D 02	2.7483D-04	2.3915D-04	3.4289D-04	8.0151D-01
1.8000D 02	3.5674D 01	2.8731D 01	1.0057D 02	7.5879D 02	2.7201D-04	2.3512D-04	3.3656D-04	8.0822D-01
1.9000D 02	3.5870D 01	2.8686D 01	1.0049D 02	7.6132D 02	2.6928D-04	2.3122D-04	3.3046D-04	8.1487D-01
2.0000D 02	3.6066D 01	2.8642D 01	1.0041D 02	7.6382D 02	2.6664D-04	2.2746D-04	3.2459D-04	8.2146D-01
2.5000D 02	3.7054D 01	2.8444D 01	1.0002D 02	7.7579D 02	2.5458D-04	2.1046D-04	2.9824D-04	8.5359D-01
3.0000D 02	3.8048D 01	2.8273D 01	9.9650D 01	7.8700D 02	2.4414D-04	1.9596D-04	2.7603D-04	8.8449D-01
3.5000D 02	3.9047D 01	2.8124D 01	9.9303D 01	7.9755D 02	2.3501D-04	1.8345D-04	2.5705D-04	9.1427D-01
4.0000D 02	4.0050D 01	2.7993D 01	9.8972D 01	8.0753D 02	2.2694D-04	1.7254D-04	2.4064D-04	9.4307D-01
4.5000D 02	4.1054D 01	2.7877D 01	9.8656D 01	8.1700D 02	2.1975D-04	1.6295D-04	2.2633D-04	9.7096D-01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1300.0 K, CV= 0.200710 02 J/MOL-K

P (MPa)	H-H(298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHA (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMA (MPa/K)
5.00000 02	4.20600 01	2.77750 01	9.83530 01	8.26030 02	2.13320-04	1.54460-04	2.13740-04	9.98020-01
6.00000 02	4.40710 01	2.76010 01	9.77810 01	8.42960 02	2.02260-04	1.40100-04	1.92650-04	1.04990 00
7.00000 02	4.60790 01	2.74600 01	9.72470 01	8.58600 02	1.93120-04	1.28440-04	1.75720-04	1.09900 00
8.00000 02	4.80810 01	2.73450 01	9.67450 01	8.73300 02	1.85460-04	1.18820-04	1.61870-04	1.14570 00
9.00000 02	5.00750 01	2.72500 01	9.62690 01	8.86320 02	1.78970-04	1.10760-04	1.50370-04	1.19020 00
1.00000 03	5.20590 01	2.71710 01	9.58160 01	8.99910 02	1.73420-04	1.03920-04	1.40680-04	1.23270 00
1.20000 03	5.59940 01	2.70510 01	9.49650 01	9.24100 02	1.64460-04	9.30030-05	1.25340-04	1.31210 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1400.0 K, CV = 0.20099D 02 J/MOL-K

P (MPA)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHA P (1/K)	BETAS (1/MPA)	BETAT (1/MPA)	GAMMA V (MPA/K)
6.2034D-01	3.5295D 01	3.0580D 01	1.0452D 02	6.8069D 02	3.5651D-04	3.7693D-04	5.7347D-04	6.2167D-01
1.0000D 01	3.5455D 01	3.0470D 01	1.0441D 02	6.8431D 02	3.5020D-04	3.6691D-04	5.5623D-04	6.2960D-01
2.0000D 01	3.5627D 01	3.0361D 01	1.0429D 02	6.8806D 02	3.4386D-04	3.5687D-04	5.3906D-04	6.3790D-01
3.0000D 01	3.5802D 01	3.0258D 01	1.0418D 02	6.9173D 02	3.3790D-04	3.4743D-04	5.2303D-04	6.4605D-01
4.0000D 01	3.5978D 01	3.0161D 01	1.0407D 02	6.9530D 02	3.3227D-04	3.3854D-04	5.0801D-04	6.5408D-01
5.0000D 01	3.6155D 01	3.0069D 01	1.0396D 02	6.9879D 02	3.2695D-04	3.3015D-04	4.9392D-04	6.6197D-01
6.0000D 01	3.6334D 01	2.9982D 01	1.0385D 02	7.0221D 02	3.2190D-04	3.2220D-04	4.8062D-04	6.6975D-01
7.0000D 01	3.6515D 01	2.9899D 01	1.0375D 02	7.0554D 02	3.1710D-04	3.1467D-04	4.6809D-04	6.7742D-01
8.0000D 01	3.6697D 01	2.9821D 01	1.0365D 02	7.0881D 02	3.1252D-04	3.0751D-04	4.5625D-04	6.8499D-01
9.0000D 01	3.6880D 01	2.9746D 01	1.0355D 02	7.1201D 02	3.0816D-04	3.0071D-04	4.4503D-04	6.9245D-01
1.0000D 02	3.7064D 01	2.9675D 01	1.0345D 02	7.1515D 02	3.0399D-04	2.9422D-04	4.3439D-04	6.9982D-01
1.1000D 02	3.7249D 01	2.9606D 01	1.0335D 02	7.1823D 02	3.0000D-04	2.8803D-04	4.2427D-04	7.0710D-01
1.2000D 02	3.7435D 01	2.9541D 01	1.0325D 02	7.2125D 02	2.9618D-04	2.8212D-04	4.1464D-04	7.1429D-01
1.3000D 02	3.7622D 01	2.9478D 01	1.0316D 02	7.2421D 02	2.9251D-04	2.7647D-04	4.0547D-04	7.2140D-01
1.4000D 02	3.7810D 01	2.9418D 01	1.0307D 02	7.2712D 02	2.8898D-04	2.7105D-04	3.9672D-04	7.2844D-01
1.5000D 02	3.7999D 01	2.9360D 01	1.0298D 02	7.2998D 02	2.8559D-04	2.6586D-04	3.8835D-04	7.3540D-01
1.6000D 02	3.8188D 01	2.9305D 01	1.0289D 02	7.3279D 02	2.8233D-04	2.6087D-04	3.8035D-04	7.4228D-01
1.7000D 02	3.8378D 01	2.9251D 01	1.0280D 02	7.3555D 02	2.7918D-04	2.5609D-04	3.7269D-04	7.4910D-01
1.8000D 02	3.8569D 01	2.9200D 01	1.0271D 02	7.3827D 02	2.7614D-04	2.5148D-04	3.6534D-04	7.5585D-01
1.9000D 02	3.8760D 01	2.9150D 01	1.0263D 02	7.4095D 02	2.7321D-04	2.4705D-04	3.5829D-04	7.6253D-01
2.0000D 02	3.8952D 01	2.9102D 01	1.0254D 02	7.4358D 02	2.7038D-04	2.4278D-04	3.5152D-04	7.6916D-01
2.5000D 02	3.9919D 01	2.8884D 01	1.0214D 02	7.5618D 02	2.5751D-04	2.2360D-04	3.2132D-04	8.0141D-01
3.0000D 02	4.0896D 01	2.8698D 01	1.0176D 02	7.6793D 02	2.4645D-04	2.0736D-04	2.9607D-04	8.3238D-01
3.5000D 02	4.1879D 01	2.8537D 01	1.0140D 02	7.7895D 02	2.3680D-04	1.9344D-04	2.7464D-04	8.6222D-01
4.0000D 02	4.2868D 01	2.8396D 01	1.0106D 02	7.8935D 02	2.2832D-04	1.8137D-04	2.5623D-04	8.9107D-01
4.5000D 02	4.3860D 01	2.8271D 01	1.0074D 02	7.9920D 02	2.2078D-04	1.7080D-04	2.4024D-04	9.1900D-01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1400.0 K, CV= 0.20099D 02 J/MOL-K

P (MPa)	H-H(298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHAP (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMAT (MPa/K)
5.0000D 02	4.4855D 01	2.8161D 01	1.0042D 02	8.0857D 02	2.1404D-04	1.6147D-04	2.2623D-04	9.4612D-01
6.0000D 02	4.649D 01	2.7975D 01	9.9840D 01	8.2607D 02	2.0250D-04	1.4576D-04	2.0288D-04	9.9812D-01
7.0000D 02	4.6842D 01	2.7825D 01	9.9295D 01	8.4218D 02	1.9298D-04	1.3308D-04	1.8423D-04	1.0475D 00
8.0000D 02	5.0832D 01	2.7703D 01	9.8784D 01	8.5717D 02	1.8502D-04	1.2264D-04	1.6904D-04	1.0945D 00
9.0000D 02	5.2816D 01	2.7604D 01	9.8301D 01	8.7122D 02	1.7828D-04	1.1393D-04	1.5647D-04	1.1394D 00
1.0000D 03	5.4793D 01	2.7522D 01	9.7842D 01	8.8448D 02	1.7252D-04	1.0657D-04	1.4592D-04	1.1823D 00
1.2000D 03	5.8716D 01	2.739D 01	9.6982D 01	9.0908D 02	1.6326D-04	9.4843D-05	1.2929D-04	1.2628D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1500.0 K, CV= 0.20304D 02 J/MOL-K

F (MPA)	H-B (298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	BHO (KG/M**3)	ALPHAP (1/K)	BETAS (1/MPA)	BETAT (1/MPA)	GAMMAV (MPA/K)
1.0955D 00	3.8399D 01	3.1372D 01	1.0665D 02	6.5662D 02	3.6947D-04	4.1925D-04	6.4780D-04	7.7035D-01
1.0000D 01	3.8540D 01	3.1247D 01	1.0654D 02	6.6036D 02	3.6243D-04	4.0732D-04	6.2687D-04	5.7817D-01
2.0000D 01	3.8700D 01	3.1117D 01	1.0641D 02	6.6444D 02	3.5506D-04	3.9484D-04	6.0513D-04	5.8676D-01
3.0000D 01	3.8863D 01	3.0996D 01	1.0629D 02	6.6840D 02	3.4819D-04	3.8322D-04	5.8503D-04	5.9517D-01
4.0000D 01	3.9029D 01	3.0883D 01	1.0617D 02	6.7226D 02	3.4176D-04	3.7235D-04	5.6637D-04	6.0342D-01
5.0000D 01	3.9196D 01	3.0777D 01	1.0606D 02	6.7602D 02	3.3573D-04	3.6218D-04	5.4900D-04	6.1152D-01
6.0000D 01	3.9366D 01	3.0678D 01	1.0595D 02	6.7969D 02	3.3004D-04	3.5261D-04	5.3277D-04	6.1948D-01
7.0000D 01	3.9538D 01	3.0584D 01	1.0583D 02	6.8326D 02	3.2467D-04	3.4360D-04	5.1756D-04	6.2730D-01
8.0000D 01	3.9711D 01	3.0495D 01	1.0573D 02	6.8676D 02	3.1958D-04	3.3509D-04	5.0328D-04	6.3501D-01
9.0000D 01	3.9886D 01	3.0411D 01	1.0562D 02	6.9018D 02	3.1476D-04	3.2703D-04	4.8982D-04	6.4260D-01
1.0000D 02	4.0063D 01	3.0331D 01	1.0552D 02	6.9352D 02	3.1017D-04	3.1940D-04	4.7713D-04	6.5007D-01
1.1000D 02	4.0241D 01	3.0254D 01	1.0542D 02	6.9680D 02	3.0580D-04	3.1215D-04	4.6512D-04	6.5745D-01
1.2000D 02	4.0420D 01	3.0182D 01	1.0532D 02	7.0001D 02	3.0162D-04	3.0525D-04	4.5375D-04	6.6473D-01
1.3000D 02	4.0601D 01	3.0112D 01	1.0522D 02	7.0315D 02	2.9763D-04	2.9867D-04	4.4296D-04	6.7192D-01
1.4000D 02	4.0782D 01	3.0046D 01	1.0512D 02	7.0624D 02	2.9381D-04	2.9240D-04	4.3270D-04	6.7902D-01
1.5000D 02	4.0965D 01	2.9982D 01	1.0503D 02	7.0926D 02	2.9014D-04	2.8640D-04	4.2293D-04	6.8603D-01
1.6000D 02	4.1148D 01	2.9921D 01	1.0493D 02	7.1224D 02	2.8662D-04	2.8067D-04	4.1362D-04	6.9297D-01
1.7000D 02	4.1333D 01	2.9863D 01	1.0484D 02	7.1516D 02	2.8324D-04	2.7518D-04	4.0473D-04	6.9983D-01
1.8000D 02	4.1518D 01	2.9806D 01	1.0475D 02	7.1803D 02	2.7998D-04	2.6991D-04	3.9623D-04	7.0662D-01
1.9000D 02	4.1704D 01	2.9752D 01	1.0466D 02	7.2085D 02	2.7685D-04	2.6485D-04	3.8810D-04	7.1334D-01
2.0000D 02	4.1891D 01	2.9700D 01	1.0457D 02	7.2362D 02	2.7382D-04	2.6000D-04	3.8031D-04	7.1999D-01
2.5000D 02	4.2835D 01	2.9464D 01	1.0415D 02	7.3686D 02	2.6015D-04	2.3829D-04	3.4580D-04	7.5233D-01
3.0000D 02	4.3792D 01	2.9264D 01	1.0376D 02	7.4916D 02	2.4848D-04	2.2009D-04	3.1722D-04	7.8331D-01
3.5000D 02	4.4759D 01	2.9091D 01	1.0339D 02	7.6066D 02	2.3836D-04	2.0459D-04	2.9313D-04	8.1313D-01
4.0000D 02	4.5734D 01	2.8940D 01	1.0304D 02	7.7149D 02	2.2947D-04	1.9122D-04	2.7256D-04	8.4193D-01
4.5000D 02	4.6713D 01	2.8808D 01	1.0271D 02	7.8172D 02	2.2161D-04	1.7956D-04	2.5478D-04	8.6982D-01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1500.0 K, CV= 0.203040 02 J/MOL-K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHA P (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMA V (MPa/K)
5.0000D 02	4.7697D 01	2.8691D 01	1.0239D 02	7.9142D 02	2.1459D-04	1.6932D-04	2.3926D-04	8.9690D-01
6.0000D 02	4.9671D 01	2.8493D 01	1.0179D 02	8.0950D 02	2.0259D-04	1.5215D-04	2.1351D-04	9.4885D-01
7.0000D 02	5.1649D 01	2.8335D 01	1.0123D 02	8.2610D 02	1.9272D-04	1.3834D-04	1.9307D-04	9.9821D-01
8.0000D 02	5.3627D 01	2.8207D 01	1.0071D 02	8.4148D 02	1.8447D-04	1.2703D-04	1.7648D-04	1.0453D 00
9.0000D 02	5.5601D 01	2.8102D 01	1.0022D 02	8.5586D 02	1.7750D-04	1.1762D-04	1.6279D-04	1.0903D 00
1.0000D 03	5.7568D 01	2.8017D 01	9.9758D 01	8.6939D 02	1.7154D-04	1.0968D-04	1.5134D-04	1.1335D 00
1.2000D 03	6.1479D 01	2.7891D 01	9.8890D 01	8.9442D 02	1.6199D-04	9.7080D-05	1.3336D-04	1.2147D 00
1.4000D 03	6.5350D 01	2.7808D 01	9.8087D 01	9.1731D 02	1.5475D-04	8.7603D-05	1.1998D-04	1.2898D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1600.0 K, CV= 0.20693D 02 J/MOL-K

F (MFA)	H-H(298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	BHO (KG/M**3)	ALFHAP (1/K)	BETAS (1/MFA)	BETAT (1/MFA)	GAMMAV (MFA/K)
1.7980D 00	4.1593D 01	3.2320D 01	1.0870D 02	6.3268D 02	3.8348D-04	4.7088D-04	7.3544D-04	5.2142D-01
1.0000D 01	4.1710D 01	3.2181D 01	1.0859D 02	6.3644D 02	3.7572D-04	4.5671D-04	7.1026D-04	5.2899D-01
2.0000D 01	4.1856D 01	3.2026D 01	1.0845D 02	6.4088D 02	3.6700D-04	4.4078D-04	6.8218D-04	5.3798D-01
3.0000D 01	4.2006D 01	3.1884D 01	1.0832D 02	6.4519D 02	3.5898D-04	4.2612D-04	6.5656D-04	5.4675D-01
4.0000D 01	4.2159D 01	3.1753D 01	1.0820D 02	6.4936D 02	3.5155D-04	4.1258D-04	6.3308D-04	5.5531D-01
5.0000D 01	4.2316D 01	3.1631D 01	1.0807D 02	6.5341D 02	3.4466D-04	4.0001D-04	6.1144D-04	5.6368D-01
6.0000D 01	4.2475D 01	3.1517D 01	1.0795D 02	6.5735D 02	3.3822D-04	3.8831D-04	5.9142D-04	5.7187D-01
7.0000D 01	4.2636D 01	3.1411D 01	1.0784D 02	6.6119D 02	3.3219D-04	3.7737D-04	5.7283D-04	5.7991D-01
8.0000D 01	4.2800D 01	3.1311D 01	1.0772D 02	6.6493D 02	3.2651D-04	3.6712D-04	5.5549D-04	5.8779D-01
9.0000D 01	4.2967D 01	3.1217D 01	1.0761D 02	6.6858D 02	3.2117D-04	3.5748D-04	5.3928D-04	5.9554D-01
1.0000D 02	4.3135D 01	3.1129D 01	1.0750D 02	6.7214D 02	3.1611D-04	3.4840D-04	5.2409D-04	6.0316D-01
1.1000D 02	4.3305D 01	3.1044D 01	1.0740D 02	6.7562D 02	3.1132D-04	3.3982D-04	5.0980D-04	6.1066D-01
1.2000D 02	4.3476D 01	3.0965D 01	1.0729D 02	6.7903D 02	3.0676D-04	3.3170D-04	4.9634D-04	6.1805D-01
1.3000D 02	4.3649D 01	3.0889D 01	1.0719D 02	6.8237D 02	3.0243D-04	3.2400D-04	4.8363D-04	6.2533D-01
1.4000D 02	4.3824D 01	3.0816D 01	1.0709D 02	6.8563D 02	2.9829D-04	3.1668D-04	4.7160D-04	6.3252D-01
1.5000D 02	4.4000D 01	3.0747D 01	1.0699D 02	6.8883D 02	2.9434D-04	3.0972D-04	4.6019D-04	6.3960D-01
1.6000D 02	4.4177D 01	3.0681D 01	1.0689D 02	6.9197D 02	2.9056D-04	3.0308D-04	4.4937D-04	6.4660D-01
1.7000D 02	4.4356D 01	3.0618D 01	1.0679D 02	6.9505D 02	2.8694D-04	2.9675D-04	4.3907D-04	6.5352D-01
1.8000D 02	4.4535D 01	3.0557D 01	1.0670D 02	6.9808D 02	2.8346D-04	2.9069D-04	4.2925D-04	6.6035D-01
1.9000D 02	4.4716D 01	3.0499D 01	1.0661D 02	7.0105D 02	2.8011D-04	2.8490D-04	4.1990D-04	6.6710D-01
2.0000D 02	4.4897D 01	3.0443D 01	1.0652D 02	7.0397D 02	2.7690D-04	2.7935D-04	4.1096D-04	6.7379D-01
2.5000D 02	4.5817D 01	3.0191D 01	1.0608D 02	7.1785D 02	2.6245D-04	2.5472D-04	3.7164D-04	7.0620D-01
3.0000D 02	4.6753D 01	2.9979D 01	1.0567D 02	7.3071D 02	2.5020D-04	2.3428D-04	3.3940D-04	7.3717D-01
3.5000D 02	4.7702D 01	2.9796D 01	1.0529D 02	7.4270D 02	2.3963D-04	2.1700D-04	3.1246D-04	7.6692D-01
4.0000D 02	4.8661D 01	2.9637D 01	1.0493D 02	7.5395D 02	2.3039D-04	2.0218D-04	2.8957D-04	7.9563D-01
4.5000D 02	4.9627D 01	2.9498D 01	1.0459D 02	7.6456D 02	2.2223D-04	1.8933D-04	2.6989D-04	8.2341D-01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1600.0 K, CV= 0.20693D 02 J/MOL-K

P (MPa)	H-R (298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHAP (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMAV (MPa/K)
5.0000D 02	5.0599D 01	2.9374D 01	1.0426D 02	7.7461D 02	2.1496D-04	1.7808D-04	2.5278D-04	8.5037D-01
6.0000D 02	5.2552D 01	2.9167D 01	1.0365D 02	7.9327D 02	2.0255D-04	1.5930D-04	2.2453D-04	9.0211D-01
7.0000D 02	5.4514D 01	2.9001D 01	1.0309D 02	8.1034D 02	1.9236D-04	1.4428D-04	2.0220D-04	9.5131D-01
8.0000D 02	5.6479D 01	2.8866D 01	1.0256D 02	8.2612D 02	1.8385D-04	1.3202D-04	1.8416D-04	9.9829D-01
9.0000D 02	5.8442D 01	2.8757D 01	1.0206D 02	8.4084D 02	1.7666D-04	1.2185D-04	1.6932D-04	1.0433D 00
1.0000D 03	6.0401D 01	2.8668D 01	1.0159D 02	8.5465D 02	1.7052D-04	1.1328D-04	1.5694D-04	1.0865D 00
1.2000D 03	6.4299D 01	2.8537D 01	1.0071D 02	8.8010D 02	1.6066D-04	9.9741D-05	1.3755D-04	1.1681D 00
1.4000D 03	6.8162D 01	2.8454D 01	9.9904D 01	9.0329D 02	1.5322D-04	8.9587D-05	1.2319D-04	1.2438D 00
1.6000D 03	7.1960D 01	2.8404D 01	9.9149D 01	9.2476D 02	1.4748D-04	8.1755D-05	1.1222D-04	1.3143D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1700.0 K, CV= 0.21273D 02 J/MOL-K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	HHO (KG/H**3)	ALPHAP (1/K)	BETAS (1/MPa)	EXTET (1/MPa)	GIBBAV (MPa/K)
2.7793D 00	4.4892D 01	3.3444D 01	1.1068D 02	6.0888D 02	3.9945D-04	5.3527D-04	8.4154D-04	4.7467D-01
1.0000D 01	4.4981D 01	3.3285D 01	1.1057D 02	6.1252D 02	3.9086D-04	5.1862D-04	8.1149D-04	4.8165D-01
2.0000D 01	4.5110D 01	3.3089D 01	1.1043D 02	6.1740D 02	3.8006D-04	4.9753D-04	7.7389D-04	4.9110D-01
3.0000D 01	4.5245D 01	3.2915D 01	1.1029D 02	6.2209D 02	3.7036D-04	4.7841D-04	7.4024D-04	5.0032D-01
4.0000D 01	4.5384D 01	3.2762D 01	1.1015D 02	6.2661D 02	3.6166D-04	4.6108D-04	7.1011D-04	5.0930D-01
5.0000D 01	4.5527D 01	3.2623D 01	1.1002D 02	6.3099D 02	3.5370D-04	4.4522D-04	6.8276D-04	5.1804D-01
6.0000D 01	4.5674D 01	3.2494D 01	1.0990D 02	6.3523D 02	3.4635D-04	4.3061D-04	6.5777D-04	5.2656D-01
7.0000D 01	4.5825D 01	3.2375D 01	1.0977D 02	6.3935D 02	3.3954D-04	4.1711D-04	6.3480D-04	5.3488D-01
8.0000D 01	4.5978D 01	3.2264D 01	1.0965D 02	6.4335D 02	3.3319D-04	4.0456D-04	6.1361D-04	5.4301D-01
9.0000D 01	4.6135D 01	3.2161D 01	1.0953D 02	6.4725D 02	3.2726D-04	3.9287D-04	5.9396D-04	5.5097D-01
1.0000D 02	4.6293D 01	3.2064D 01	1.0942D 02	6.5104D 02	3.2168D-04	3.8193D-04	5.7569D-04	5.5878D-01
1.1000D 02	4.6455D 01	3.1973D 01	1.0931D 02	6.5474D 02	3.1643D-04	3.7167D-04	5.5862D-04	5.6645D-01
1.2000D 02	4.6618D 01	3.1886D 01	1.0920D 02	6.5836D 02	3.1147D-04	3.6202D-04	5.4265D-04	5.7398D-01
1.3000D 02	4.6783D 01	3.1805D 01	1.0909D 02	6.6189D 02	3.0677D-04	3.5292D-04	5.2766D-04	5.8139D-01
1.4000D 02	4.6950D 01	3.1727D 01	1.0898D 02	6.6535D 02	3.0231D-04	3.4432D-04	5.1354D-04	5.8868D-01
1.5000D 02	4.7119D 01	3.1653D 01	1.0888D 02	6.6873D 02	2.9807D-04	3.3618D-04	5.0023D-04	5.9586D-01
1.6000D 02	4.7289D 01	3.1583D 01	1.0878D 02	6.7204D 02	2.9402D-04	3.2845D-04	4.8764D-04	6.0294D-01
1.7000D 02	4.7461D 01	3.1516D 01	1.0868D 02	6.7528D 02	2.9015D-04	3.2110D-04	4.7572D-04	6.0992D-01
1.8000D 02	4.7635D 01	3.1451D 01	1.0858D 02	6.7846D 02	2.8645D-04	3.1411D-04	4.6441D-04	6.1682D-01
1.9000D 02	4.7809D 01	3.1390D 01	1.0849D 02	6.8158D 02	2.8291D-04	3.0743D-04	4.5365D-04	6.2362D-01
2.0000D 02	4.7985D 01	3.1331D 01	1.0839D 02	6.8465D 02	2.7951D-04	3.0106D-04	4.4342D-04	6.3035D-01
2.5000D 02	4.8879D 01	3.1067D 01	1.0794D 02	6.9919D 02	2.6432D-04	2.7304D-04	3.9875D-04	6.6287D-01
3.0000D 02	4.9793D 01	3.0845D 01	1.0752D 02	7.1260D 02	2.5154D-04	2.5003D-04	3.6254D-04	6.9382D-01
3.5000D 02	5.0724D 01	3.0655D 01	1.0713D 02	7.2507D 02	2.4058D-04	2.3075D-04	3.3252D-04	7.2349D-01
4.0000D 02	5.1666D 01	3.0490D 01	1.0676D 02	7.3675D 02	2.3103D-04	2.1432D-04	3.0719D-04	7.5206D-01
4.5000D 02	5.2618D 01	3.0345D 01	1.0640D 02	7.4774D 02	2.2261D-04	2.0015D-04	2.8551D-04	7.7969D-01

SUBCOOLED SODIUM LIQUID PROPERTIES AT $T = 1700.0\text{ K}$, $CV = 0.212730$ 02 J/MOL-K

P (MPa)	B-H(298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	PHO (KG/M**3)	ALPHA (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMA (MPa/K)
5.00000 02	5.35770 01	3.02170 01	1.06070 02	7.58130 02	2.15120-04	1.87780-04	2.66740-04	6.06490-01
6.00000 02	5.55100 01	3.00010 01	1.05450 02	7.77370 02	2.02360-04	1.67250-04	2.35880-04	8.57890-01
7.00000 02	5.74550 01	2.98280 01	1.04870 02	7.94920 02	1.91890-04	1.50920-04	2.11610-04	9.06800-01
8.00000 02	5.94050 01	2.96880 01	1.04330 02	8.11100 02	1.83150-04	1.37630-04	1.92070-04	9.53540-01
9.00000 02	6.13580 01	2.95740 01	1.03830 02	8.26150 02	1.75760-04	1.26630-04	1.76050-04	9.98370-01
1.00000 03	6.33070 01	2.94820 01	1.03350 02	8.40250 02	1.69450-04	1.17400-04	1.62700-04	1.04150 00
1.20000 03	6.71920 01	2.93470 01	1.02470 02	8.66130 02	1.59320-04	1.02840-04	1.41870-04	1.12300 00
1.40000 03	7.10460 01	2.92620 01	1.01660 02	8.89630 02	1.51660-04	9.19480-05	1.26480-04	1.19900 00
1.60000 03	7.48630 01	2.92130 01	1.00900 02	9.11300 02	1.45370-04	8.35740-05	1.14770-04	1.27010 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1800.0 K, CV= 0.21994D 02 J/MOL-K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHA P (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMA V (MPa/K)
4.0674D 00	4.8318D 01	3.4849D 01	1.1261D 02	5.8512D 02	4.2180D-04	6.1781D-04	9.7891D-04	4.3089D-01
1.0000D 01	4.8376D 01	3.4661D 01	1.1251D 02	5.8845D 02	4.1231D-04	5.9890D-04	9.4384D-04	4.3685D-01
2.0000D 01	4.8481D 01	3.4380D 01	1.1235D 02	5.9387D 02	3.9795D-04	5.6995D-04	8.9094D-04	4.4666D-01
3.0000D 01	4.8595D 01	3.4137D 01	1.1220D 02	5.9905D 02	3.8533D-04	5.4421D-04	8.4469D-04	4.5618D-01
4.0000D 01	4.8716D 01	3.3925D 01	1.1206D 02	6.0400D 02	3.7414D-04	5.2114D-04	8.0385D-04	4.6543D-01
5.0000D 01	4.8844D 01	3.3739D 01	1.1192D 02	6.0876D 02	3.6413D-04	5.0031D-04	7.6748D-04	4.7445D-01
6.0000D 01	4.8976D 01	3.3573D 01	1.1178D 02	6.1335D 02	3.5511D-04	4.8140D-04	7.3483D-04	4.8325D-01
7.0000D 01	4.9114D 01	3.3425D 01	1.1165D 02	6.1778D 02	3.4693D-04	4.6412D-04	7.0534D-04	4.9186D-01
8.0000D 01	4.9256D 01	3.3292D 01	1.1152D 02	6.2207D 02	3.3946D-04	4.4825D-04	6.7853D-04	5.0029D-01
9.0000D 01	4.9401D 01	3.3179D 01	1.1140D 02	6.2623D 02	3.3283D-04	4.3383D-04	6.5447D-04	5.0855D-01
1.0000D 02	4.9550D 01	3.3076D 01	1.1128D 02	6.3027D 02	3.2668D-04	4.2050D-04	6.3236D-04	5.1661D-01
1.1000D 02	4.9702D 01	3.2978D 01	1.1116D 02	6.3420D 02	3.2094D-04	4.0809D-04	6.1191D-04	5.2449D-01
1.2000D 02	4.9856D 01	3.2887D 01	1.1105D 02	6.3804D 02	3.1555D-04	3.9651D-04	5.9290D-04	5.3222D-01
1.3000D 02	5.0013D 01	3.2801D 01	1.1094D 02	6.4177D 02	3.1048D-04	3.8567D-04	5.7518D-04	5.3979D-01
1.4000D 02	5.0172D 01	3.2720D 01	1.1083D 02	6.4542D 02	3.0568D-04	3.7548D-04	5.5860D-04	5.4723D-01
1.5000D 02	5.0333D 01	3.2643D 01	1.1072D 02	6.4898D 02	3.0114D-04	3.6589D-04	5.4305D-04	5.5454D-01
1.6000D 02	5.0496D 01	3.2570D 01	1.1061D 02	6.5247D 02	2.9684D-04	3.5684D-04	5.2843D-04	5.6173D-01
1.7000D 02	5.0661D 01	3.2500D 01	1.1051D 02	6.5588D 02	2.9273D-04	3.4827D-04	5.1465D-04	5.6881D-01
1.8000D 02	5.0828D 01	3.2434D 01	1.1041D 02	6.5922D 02	2.8882D-04	3.4016D-04	5.0162D-04	5.7578D-01
1.9000D 02	5.0996D 01	3.2370D 01	1.1031D 02	6.6250D 02	2.8509D-04	3.3245D-04	4.8929D-04	5.8266D-01
2.0000D 02	5.1166D 01	3.2310D 01	1.1021D 02	6.6571D 02	2.8151D-04	3.2511D-04	4.7759D-04	5.8944D-01
2.5000D 02	5.2033D 01	3.2039D 01	1.0974D 02	6.8090D 02	2.6566D-04	2.9314D-04	4.2702D-04	6.2212D-01
3.0000D 02	5.2925D 01	3.1813D 01	1.0931D 02	6.9486D 02	2.5243D-04	2.6722D-04	3.8652D-04	6.5309D-01
3.5000D 02	5.3837D 01	3.1619D 01	1.0891D 02	7.0782D 02	2.4114D-04	2.4570D-04	3.5323D-04	6.8267D-01
4.0000D 02	5.4763D 01	3.1451D 01	1.0852D 02	7.1991D 02	2.3133D-04	2.2750D-04	3.2532D-04	7.1111D-01
4.5000D 02	5.5700D 01	3.1303D 01	1.0817D 02	7.3127D 02	2.2271D-04	2.1148D-04	3.0155D-04	7.3856D-01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1800.0 K, CV= 0.219940 02 J/MOL-K

P	H-H(298)	CP	S	PHO	ALPHA	BETAS	BETAT	GAMMA
(MPa)	(KJ/MOL)	(J/MOL-K)	(J/MOL-K)	(KG/M**3)	(1/K)	(1/MPa)	(1/MPa)	(MPa/K)
5.00000 02	5.66450 01	3.11720 01	1.07820 02	7.41990 02	2.15050-04	1.98310-04	2.81060-04	7.65150-01
6.00000 02	5.85560 01	3.09500 01	1.07190 02	7.61810 02	2.02010-04	1.75890-04	2.47520-04	8.16140-01
7.00000 02	6.04840 01	3.07720 01	1.06600 02	7.79840 02	1.91310-04	1.58140-04	2.21260-04	8.64650-01
8.00000 02	6.24200 01	3.06280 01	1.06060 02	7.96410 02	1.82370-04	1.43750-04	2.00180-04	9.11040-01
9.00000 02	6.43610 01	3.05100 01	1.05550 02	8.11790 02	1.74810-04	1.31880-04	1.82940-04	9.55570-01
1.00000 03	6.63010 01	3.04140 01	1.05060 02	8.26170 02	1.68350-04	1.21930-04	1.68610-04	9.98440-01
1.20000 03	7.01720 01	3.02740 01	1.04170 02	8.52500 02	1.57970-04	1.06290-04	1.46300-04	1.07970 00
1.40000 03	7.40180 01	3.01870 01	1.03350 02	8.76300 02	1.50100-04	9.46230-05	1.29870-04	1.15580 00
1.60000 03	7.78290 01	3.01380 01	1.02590 02	8.98190 02	1.44040-04	8.56680-05	1.17390-04	1.22710 00
1.80000 03	8.16010 01	3.01180 01	1.01880 02	9.18600 02	1.39350-04	7.86360-05	1.07680-04	1.29400 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1900.0 K, CV= 0.228800 02 J/MOL-K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHA P (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMA V (MPa/K)
5.7657D 00	5.1903D 01	3.6670D 01	1.1451D 02	5.6111D 02	4.5443D-04	7.2744D-04	1.1659D-03	3.8978D-01
1.0000D 01	5.1928D 01	3.6466D 01	1.1443D 02	5.6384D 02	4.4473D-04	7.0770D-04	1.1279D-03	3.9429D-01
2.0000D 01	5.1999D 01	3.6043D 01	1.1426D 02	5.7000D 02	4.2446D-04	6.6591D-04	1.0490D-03	4.0463D-01
3.0000D 01	5.2083D 01	3.5688D 01	1.1409D 02	5.7581D 02	4.0721D-04	6.2973D-04	9.8224D-04	4.1458D-01
4.0000D 01	5.2179D 01	3.5385D 01	1.1393D 02	5.8133D 02	3.9232D-04	5.9803D-04	9.2489D-04	4.2418D-01
5.0000D 01	5.2284D 01	3.5125D 01	1.1378D 02	5.8658D 02	3.7931D-04	5.6997D-04	8.7501D-04	4.3349D-01
6.0000D 01	5.2397D 01	3.4899D 01	1.1363D 02	5.9160D 02	3.6781D-04	5.4492D-04	8.3117D-04	4.4252D-01
7.0000D 01	5.2518D 01	3.4700D 01	1.1349D 02	5.9642D 02	3.5757D-04	5.2238D-04	7.9225D-04	4.5133D-01
8.0000D 01	5.2644D 01	3.4524D 01	1.1336D 02	6.0106D 02	3.4837D-04	5.0198D-04	7.5746D-04	4.5992D-01
9.0000D 01	5.2776D 01	3.4368D 01	1.1323D 02	6.0553D 02	3.4005D-04	4.8339D-04	7.2611D-04	4.6831D-01
1.0000D 02	5.2913D 01	3.4229D 01	1.1310D 02	6.0986D 02	3.3248D-04	4.6637D-04	6.9770D-04	4.7653D-01
1.1000D 02	5.3054D 01	3.4103D 01	1.1297D 02	6.1405D 02	3.2556D-04	4.5072D-04	6.7182D-04	4.8459D-01
1.2000D 02	5.3198D 01	3.3990D 01	1.1285D 02	6.1811D 02	3.1920D-04	4.3627D-04	6.4812D-04	4.9250D-01
1.3000D 02	5.3346D 01	3.3887D 01	1.1274D 02	6.2206D 02	3.1332D-04	4.2287D-04	6.2630D-04	5.0027D-01
1.4000D 02	5.3497D 01	3.3804D 01	1.1262D 02	6.2591D 02	3.0816D-04	4.1066D-04	6.0673D-04	5.0790D-01
1.5000D 02	5.3651D 01	3.3726D 01	1.1251D 02	6.2966D 02	3.0334D-04	3.9929D-04	5.8858D-04	5.1538D-01
1.6000D 02	5.3807D 01	3.3653D 01	1.1240D 02	6.3332D 02	2.9879D-04	3.8863D-04	5.7161D-04	5.2272D-01
1.7000D 02	5.3965D 01	3.3583D 01	1.1229D 02	6.3690D 02	2.9447D-04	3.7859D-04	5.5569D-04	5.2992D-01
1.8000D 02	5.4125D 01	3.3517D 01	1.1219D 02	6.4040D 02	2.9038D-04	3.6913D-04	5.4073D-04	5.3701D-01
1.9000D 02	5.4286D 01	3.3453D 01	1.1209D 02	6.4383D 02	2.8647D-04	3.6018D-04	5.2663D-04	5.4397D-01
2.0000D 02	5.4450D 01	3.3393D 01	1.1198D 02	6.4718D 02	2.8275D-04	3.5171D-04	5.1331D-04	5.5084D-01
2.5000D 02	5.5290D 01	3.3124D 01	1.1150D 02	6.6302D 02	2.6635D-04	3.1515D-04	4.5626D-04	5.8377D-01
3.0000D 02	5.6160D 01	3.2900D 01	1.1106D 02	6.7753D 02	2.5278D-04	2.8594D-04	4.1116D-04	6.1479D-01
3.5000D 02	5.7052D 01	3.2707D 01	1.1064D 02	6.9095D 02	2.4125D-04	2.6193D-04	3.7443D-04	6.4431D-01
4.0000D 02	5.7961D 01	3.2539D 01	1.1025D 02	7.0345D 02	2.3126D-04	2.4176D-04	3.4383D-04	6.7260D-01
4.5000D 02	5.8883D 01	3.2391D 01	1.0989D 02	7.1517D 02	2.2250D-04	2.2456D-04	3.1791D-04	6.9987D-01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1900.0 K, CV = 0.228800 02 J/MOL-K

P (MPa)	H-H(298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHA (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMA (MPa/K)
5.00000 02	5.98160 01	3.22600 01	1.09540 02	7.26220 02	2.14720-04	2.09690-04	2.95650-04	7.26250-01
6.00000 02	6.17040 01	3.20370 01	1.08890 02	7.46590 02	2.01470-04	1.85240-04	2.59370-04	7.76780-01
7.00000 02	6.36140 01	3.18560 01	1.08290 02	7.65090 02	1.90600-04	1.65970-04	2.31080-04	8.24810-01
8.00000 02	6.55360 01	3.17080 01	1.07740 02	7.82050 02	1.81510-04	1.50410-04	2.08450-04	8.70760-01
9.00000 02	6.74640 01	3.15870 01	1.07220 02	7.97770 02	1.73810-04	1.37610-04	1.89980-04	9.14900-01
1.00000 03	6.93950 01	3.14890 01	1.06740 02	8.12430 02	1.67220-04	1.26910-04	1.74660-04	9.57430-01
1.20000 03	7.32520 01	3.13440 01	1.05840 02	8.39200 02	1.56610-04	1.10110-04	1.50850-04	1.03820 00
1.40000 03	7.70880 01	3.12540 01	1.05010 02	8.63320 02	1.48550-04	9.76200-05	1.33350-04	1.11400 00
1.60000 03	8.08950 01	3.12040 01	1.04250 02	8.85420 02	1.42340-04	8.80490-05	1.20080-04	1.18530 00
1.80000 03	8.46640 01	3.11850 01	1.03530 02	9.05970 02	1.37510-04	8.05440-05	1.09780-04	1.25260 00
2.00000 03	8.83930 01	3.11890 01	1.02850 02	9.25300 02	1.33730-04	7.45470-05	1.01620-04	1.31600 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 2000.0 K, CV= 0.23991D 02 J/MOL-K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHAP (1/K)	BETAS (1/MPa)	B2TAT (1/MPa)	GAMMAV (MPa/K)
7.8509D 00	5.5692D 01	3.9139D 01	1.1641D 02	5.3640D 02	5.0369D-04	8.8010D-04	1.4358D-03	3.5081D-01
1.0000D 01	5.5692D 01	3.8970D 01	1.1636D 02	5.3804D 02	4.9606D-04	8.6444D-04	1.4041D-03	3.5329D-01
2.0000D 01	5.5709D 01	3.8285D 01	1.1616D 02	5.4529D 02	4.6510D-04	7.9973D-04	1.2762D-03	3.6444D-01
3.0000D 01	5.5749D 01	3.7735D 01	1.1597D 02	5.5199D 02	4.3995D-04	7.4586D-04	1.1731D-03	3.7502D-01
4.0000D 01	5.5808D 01	3.7284D 01	1.1579D 02	5.5826D 02	4.1903D-04	7.0013D-04	1.0880D-03	3.8513D-01
5.0000D 01	5.5882D 01	3.6906D 01	1.1562D 02	5.6416D 02	4.0131D-04	6.6072D-04	1.0164D-03	3.9484D-01
6.0000D 01	5.5968D 01	3.6586D 01	1.1546D 02	5.6975D 02	3.8606D-04	6.2632D-04	9.5511D-04	4.0421D-01
7.0000D 01	5.6065D 01	3.6310D 01	1.1531D 02	5.7500D 02	3.7278D-04	5.9598D-04	9.0200D-04	4.1328D-01
8.0000D 01	5.6171D 01	3.6072D 01	1.1517D 02	5.8013D 02	3.6108D-04	5.6897D-04	8.5547D-04	4.2209D-01
9.0000D 01	5.6285D 01	3.5863D 01	1.1502D 02	5.8499D 02	3.5069D-04	5.4474D-04	8.1430D-04	4.3066D-01
1.0000D 02	5.6405D 01	3.5679D 01	1.1489D 02	5.8967D 02	3.4137D-04	5.2285D-04	7.7757D-04	4.3903D-01
1.1000D 02	5.6532D 01	3.5515D 01	1.1476D 02	5.9417D 02	3.3297D-04	5.0297D-04	7.4457D-04	4.4720D-01
1.2000D 02	5.6664D 01	3.5370D 01	1.1463D 02	5.9852D 02	3.2535D-04	4.8481D-04	7.1474D-04	4.5520D-01
1.3000D 02	5.6800D 01	3.5239D 01	1.1451D 02	6.0273D 02	3.1839D-04	4.6813D-04	6.8760D-04	4.6304D-01
1.4000D 02	5.6941D 01	3.5121D 01	1.1439D 02	6.0681D 02	3.1201D-04	4.5275D-04	6.6280D-04	4.7074D-01
1.5000D 02	5.7085D 01	3.5015D 01	1.1427D 02	6.1078D 02	3.0612D-04	4.3854D-04	6.4003D-04	4.7830D-01
1.6000D 02	5.7232D 01	3.4918D 01	1.1416D 02	6.1463D 02	3.0068D-04	4.2532D-04	6.1903D-04	4.8573D-01
1.7000D 02	5.7383D 01	3.4830D 01	1.1405D 02	6.1839D 02	2.9563D-04	4.1301D-04	5.9960D-04	4.9305D-01
1.8000D 02	5.7536D 01	3.4749D 01	1.1394D 02	6.2205D 02	2.9092D-04	4.0150D-04	5.8154D-04	5.0025D-01
1.9000D 02	5.7692D 01	3.4687D 01	1.1383D 02	6.2563D 02	2.8683D-04	3.9103D-04	5.6535D-04	5.0735D-01
2.0000D 02	5.7850D 01	3.4630D 01	1.1373D 02	6.2913D 02	2.8300D-04	3.8121D-04	5.5024D-04	5.1432D-01
2.5000D 02	5.8663D 01	3.4375D 01	1.1323D 02	6.4559D 02	2.6624D-04	3.3933D-04	4.8620D-04	5.4759D-01
3.0000D 02	5.9511D 01	3.4161D 01	1.1278D 02	6.6062D 02	2.5246D-04	3.0637D-04	4.3624D-04	5.7872D-01
3.5000D 02	6.0384D 01	3.3977D 01	1.1235D 02	6.7449D 02	2.4081D-04	2.7957D-04	3.9593D-04	6.0821D-01
4.0000D 02	6.1277D 01	3.3814D 01	1.1195D 02	6.8738D 02	2.3074D-04	2.5725D-04	3.6258D-04	6.3639D-01
4.5000D 02	6.2184D 01	3.3671D 01	1.1158D 02	6.9945D 02	2.2191D-04	2.3832D-04	3.3446D-04	6.6347D-01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 2000.0 K, CV= 0.239910 02 J/MOL-K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	BHO (KG/M**3)	ALPHA (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMA (MPa/K)
5.00000 02	6.31040 01	3.35420 01	1.11220 02	7.10810 02	2.14070-04	2.22030-04	3.10410-04	6.89640-01
6.00000 02	6.49700 01	3.33220 01	1.10560 02	7.31730 02	2.00720-04	1.95380-04	2.71370-04	7.39670-01
7.00000 02	6.68620 01	3.31410 01	1.09960 02	7.50670 02	1.89750-04	1.74500-04	2.41040-04	7.87190-01
8.00000 02	6.87690 01	3.29920 01	1.09400 02	7.68020 02	1.80550-04	1.57630-04	2.16850-04	8.32640-01
9.00000 02	7.06850 01	3.28700 01	1.08880 02	7.84060 02	1.72750-04	1.43890-04	1.97140-04	8.76310-01
1.00000 03	7.26060 01	3.27690 01	1.08380 02	7.99000 02	1.66060-04	1.32380-04	1.80810-04	9.18420-01
1.20000 03	7.64480 01	3.26200 01	1.07480 02	8.26210 02	1.55270-04	1.14360-04	1.55490-04	9.98560-01
1.40000 03	8.02750 01	3.25270 01	1.06650 02	8.50650 02	1.47030-04	1.00990-04	1.36910-04	1.07390 00
1.60000 03	8.40770 01	3.24750 01	1.05880 02	8.72980 02	1.40660-04	9.07550-05	1.22850-04	1.14500 00
1.80000 03	8.78440 01	3.24560 01	1.05160 02	8.93680 02	1.35700-04	8.27440-05	1.11940-04	1.21230 00
2.00000 03	9.15730 01	3.24620 01	1.04480 02	9.13100 02	1.31820-04	7.63530-05	1.03310-04	1.27600 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 2100.0 K, CV= 0.254470 02 J/MOL-K

P (MPa)	H (298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	BHO (KG/M**3)	ALPHAP (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMAV (MPa/K)
1.0373D 01	5.9760D 01	4.2696D 01	1.1834D 02	5.1032D 02	5.8201D-04	1.1073D-03	1.8579D-03	3.1326D-01
2.0000D 01	5.9688D 01	4.1517D 01	1.1810D 02	5.1894D 02	5.3099D-04	1.0006D-03	1.6324D-03	3.2527D-01
3.0000D 01	5.9657D 01	4.0595D 01	1.1788D 02	5.2700D 02	4.9082D-04	9.1337D-04	1.4571D-03	3.3686D-01
4.0000D 01	5.9658D 01	3.9877D 01	1.1767D 02	5.3435D 02	4.5926D-04	8.4280D-04	1.3207D-03	3.4774D-01
5.0000D 01	5.9686D 01	3.9302D 01	1.1748D 02	5.4115D 02	4.3370D-04	7.8428D-04	1.2113D-03	3.5805D-01
6.0000D 01	5.9733D 01	3.8829D 01	1.1730D 02	5.4749D 02	4.1248D-04	7.3478D-04	1.1212D-03	3.6789D-01
7.0000D 01	5.9797D 01	3.8435D 01	1.1713D 02	5.5345D 02	3.9454D-04	6.9225D-04	1.0456D-03	3.7734D-01
8.0000D 01	5.9875D 01	3.8100D 01	1.1697D 02	5.5908D 02	3.7913D-04	6.5522D-04	9.8103D-04	3.8646D-01
9.0000D 01	5.9964D 01	3.7814D 01	1.1682D 02	5.6443D 02	3.6573D-04	6.2265D-04	9.2523D-04	3.9529D-01
1.0000D 02	6.0063D 01	3.7565D 01	1.1667D 02	5.6954D 02	3.5395D-04	5.9372D-04	8.7645D-04	4.0385D-01
1.1000D 02	6.0171D 01	3.7348D 01	1.1653D 02	5.7443D 02	3.4350D-04	5.6781D-04	8.3336D-04	4.1210D-01
1.2000D 02	6.0286D 01	3.7157D 01	1.1640D 02	5.7912D 02	3.3415D-04	5.4446D-04	7.9500D-04	4.2032D-01
1.3000D 02	6.0407D 01	3.6987D 01	1.1627D 02	5.8364D 02	3.2573D-04	5.2328D-04	7.6059D-04	4.2826D-01
1.4000D 02	6.0534D 01	3.6836D 01	1.1614D 02	5.8800D 02	3.1810D-04	5.0397D-04	7.2953D-04	4.3604D-01
1.5000D 02	6.0667D 01	3.6701D 01	1.1602D 02	5.9222D 02	3.1114D-04	4.8626D-04	7.0132D-04	4.4365D-01
1.6000D 02	6.0803D 01	3.6579D 01	1.1590D 02	5.9631D 02	3.0477D-04	4.6997D-04	6.7557D-04	4.5113D-01
1.7000D 02	6.0944D 01	3.6470D 01	1.1578D 02	6.0028D 02	2.9891D-04	4.5491D-04	6.5196D-04	4.5848D-01
1.8000D 02	6.1088D 01	3.6370D 01	1.1567D 02	6.0414D 02	2.9349D-04	4.4094D-04	6.3022D-04	4.6570D-01
1.9000D 02	6.1236D 01	3.6280D 01	1.1556D 02	6.0790D 02	2.8847D-04	4.2794D-04	6.1012D-04	4.7281D-01
2.0000D 02	6.1387D 01	3.6197D 01	1.1545D 02	6.1156D 02	2.8379D-04	4.1581D-04	5.9148D-04	4.7981D-01
2.5000D 02	6.2174D 01	3.5901D 01	1.1495D 02	6.2866D 02	2.6513D-04	3.6606D-04	5.1644D-04	5.1339D-01
3.0000D 02	6.3002D 01	3.5709D 01	1.1448D 02	6.4418D 02	2.5136D-04	3.2885D-04	4.6146D-04	5.4471D-01
3.5000D 02	6.3857D 01	3.5541D 01	1.1405D 02	6.5847D 02	2.3974D-04	2.9893D-04	4.1750D-04	5.7421D-01
4.0000D 02	6.4734D 01	3.5391D 01	1.1364D 02	6.7174D 02	2.2970D-04	2.7412D-04	3.8137D-04	6.0229D-01
4.5000D 02	6.5627D 01	3.5256D 01	1.1326D 02	6.8414D 02	2.2089D-04	2.5339D-04	3.5106D-04	6.2922D-01
5.0000D 02	6.6534D 01	3.5134D 01	1.1290D 02	6.9579D 02	2.1307D-04	2.3555D-04	3.2522D-04	6.5517D-01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 2100.0 K, CV= 0.25447D 02 J/MOL-K

P (MPa)	H-H(298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	BHO (K/M**3)	ALPHA (1/K)	BETA (1/MPa)	GAMMA (MPa/K)
6.0000 02	6.8379D 01	3.4922D 01	1.1223D 02	7.1722D 02	1.9973D-04	2.8342D-04	7.0471D-01
7.0000 02	7.0252E 01	3.4746D 01	1.1161D 02	7.3660D 02	1.8873D-04	2.5108D-04	7.5168D-01
8.0000 02	7.2145D 01	3.4599D 01	1.1105D 02	7.5432D 02	1.7949D-04	2.2532D-04	7.9659D-01
9.0000 02	7.4089D 01	3.4476D 01	1.1052D 02	7.7068D 02	1.7163D-04	2.0438D-04	8.3975D-01
1.0000 03	7.5959D 01	3.4375D 01	1.1002D 02	7.8589D 02	1.6487D-04	1.8706D-04	8.8138D-01
1.2000 03	7.9786E 01	3.4223D 01	1.0910D 02	8.1354D 02	1.5392D-04	1.6022D-04	9.6071D-01
1.4000 03	8.3605D 01	3.4127D 01	1.0827D 02	8.3830D 02	1.4554D-04	1.4055D-04	1.0355D 00
1.6000 03	8.7401E 01	3.4073D 01	1.0750D 02	8.6086D 02	1.3903D-04	1.2568D-04	1.1062D 00
1.8000 03	9.1166D 01	3.4052D 01	1.0678D 02	8.8171D 02	1.3394D-04	1.1416D-04	1.1733D 00
2.0000 03	9.4896D 01	3.4059D 01	1.0610D 02	9.0122D 02	1.2994D-04	1.0505D-04	1.2370D 00
2.2000 03	9.8585D 01	3.4086D 01	1.0545D 02	9.1966D 02	1.2681D-04	9.7734D-05	1.2975D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 2200.0 K, CV = 0.27510D 02 J/MOL-K

P (MPA)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	BHO (KG/M**3)	ALPHAP (1/K)	BETAS (1/MPA)	BETAT (1/MPA)	GAMMAV (MPA/K)
1.3355D 01	6.4232E 01	4.8304D 01	1.2035D 02	4.8169D 02	7.1770D-04	1.4814D-03	2.6012D-03	2.7531D-01
2.0000D 01	6.4075D 01	4.6669D 01	1.2014D 02	4.8952D 02	6.4089D-04	1.3386D-03	2.2708D-03	2.8575E-01
3.0000D 01	6.3916D 01	4.4520D 01	1.1986D 02	4.9984D 02	5.7514D-04	1.1775D-03	1.9227D-03	2.9913D-01
4.0000D 01	6.3823D 01	4.3677D 01	1.1961D 02	5.0889D 02	5.2251D-04	1.0572D-03	1.6785D-03	3.1129D-01
5.0000D 01	6.3776D 01	4.2742D 01	1.1938D 02	5.1701D 02	4.8269D-04	9.6321D-04	1.4965D-03	3.2254D-01
6.0000D 01	6.3765D 01	4.2011D 01	1.1918D 02	5.2442D 02	4.5134D-04	8.8725D-04	1.3549D-03	3.3311D-01
7.0000D 01	6.3780D 01	4.1423D 01	1.1898D 02	5.3126D 02	4.2589D-04	8.2432D-04	1.2412D-03	3.4312D-01
8.0000D 01	6.3818D 01	4.0940D 01	1.1881D 02	5.3763D 02	4.0476D-04	7.7119D-04	1.1477D-03	3.5268D-01
9.0000D 01	6.3873D 01	4.0536D 01	1.1864D 02	5.4362D 02	3.8688D-04	7.2560D-04	1.0692D-03	3.6185D-01
1.0000D 02	6.3943D 01	4.0193D 01	1.1849D 02	5.4928D 02	3.7152D-04	6.8598D-04	1.0022D-03	3.7070D-01
1.1000D 02	6.4025D 01	3.9898D 01	1.1833D 02	5.5464D 02	3.5817D-04	6.5116D-04	9.4439D-04	3.7926D-01
1.2000D 02	6.4118D 01	3.9643D 01	1.1818D 02	5.5976D 02	3.4644D-04	6.2029D-04	8.9386D-04	3.8757D-01
1.3000D 02	6.4220D 01	3.9420D 01	1.1804D 02	5.6466D 02	3.3603D-04	5.9269D-04	8.4928D-04	3.9566D-01
1.4000D 02	6.4330D 01	3.9223D 01	1.1791D 02	5.6936D 02	3.2672D-04	5.6784D-04	8.0962D-04	4.0355D-01
1.5000D 02	6.4447D 01	3.9049D 01	1.1778D 02	5.7389D 02	3.1835D-04	5.4533D-04	7.7408D-04	4.1126D-01
1.6000D 02	6.4570D 01	3.8894D 01	1.1765D 02	5.7825D 02	3.1076D-04	5.2483D-04	7.4202D-04	4.1880D-01
1.7000D 02	6.4698D 01	3.8756D 01	1.1753D 02	5.8247D 02	3.0385D-04	5.0606D-04	7.1293D-04	4.2620D-01
1.8000D 02	6.4831D 01	3.8631D 01	1.1741D 02	5.8656D 02	2.9752D-04	4.8880D-04	6.8640D-04	4.3345D-01
1.9000D 02	6.4969D 01	3.8518D 01	1.1730D 02	5.9053D 02	2.9171D-04	4.7287D-04	6.6210D-04	4.4056D-01
2.0000D 02	6.5110D 01	3.8417D 01	1.1718D 02	5.9438D 02	2.8634D-04	4.5811D-04	6.3974D-04	4.4759D-01
2.5000D 02	6.5863D 01	3.8028D 01	1.1666D 02	6.1224D 02	2.6460D-04	3.9787D-04	5.4998D-04	4.8112D-01
3.0000D 02	6.6671D 01	3.7799D 01	1.1619D 02	6.2825D 02	2.4933D-04	3.5402D-04	4.8643D-04	5.1257D-01
3.5000D 02	6.7510D 01	3.7658D 01	1.1575D 02	6.4293D 02	2.3792D-04	3.2059D-04	4.5886D-04	5.4214D-01
4.0000D 02	6.8373D 01	3.7528D 01	1.1533D 02	6.5653D 02	2.2806D-04	2.9321D-04	3.9999D-04	5.7017D-01
4.5000D 02	6.9254D 01	3.7408D 01	1.1495D 02	6.6924D 02	2.1939D-04	2.7027D-04	3.6752D-04	5.9695D-01
5.0000D 02	7.0149D 01	3.7298D 01	1.1458D 02	6.8117D 02	2.1167D-04	2.5072D-04	3.3992D-04	6.2271D-01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 2200.0 K, CV= 0.27510D 02 J/MOL-K

P (MPa)	H-B (298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	BHO (KG/M**3)	ALPHAP (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMAV (MPa/K)
6.0000D 02	7.1974D 01	3.7101D 01	1.1390D 02	7.0308D 02	1.9846D-04	2.1906D-04	2.1544D-04	6.7175D-01
7.0000D 02	7.3830D 01	3.6934D 01	1.1328D 02	7.2287D 02	1.8752D-04	1.9449D-04	2.6111D-04	7.1818D-01
8.0000D 02	7.5708D 01	3.6791D 01	1.1270D 02	7.4094D 02	1.7830D-04	1.7484D-04	2.3383D-04	7.6252D-01
9.0000D 02	7.7599D 01	3.6671D 01	1.1217D 02	7.5761D 02	1.7042D-04	1.5879D-04	2.1167D-04	8.0513D-01
1.0000D 03	7.9500D 01	3.6570D 01	1.1167D 02	7.7308D 02	1.6363D-04	1.4545D-04	1.9336D-04	8.4624D-01
1.2000D 03	8.3312D 01	3.6417D 01	1.1074D 02	8.0117D 02	1.5257D-04	1.2465D-04	1.6501D-04	9.2465D-01
1.4000D 03	8.7120D 01	3.6318D 01	1.0991D 02	8.2625D 02	1.4407D-04	1.0928D-04	1.4426D-04	9.9866D-01
1.6000D 03	9.0911D 01	3.6262D 01	1.0913D 02	8.4904D 02	1.3744D-04	9.7550D-05	1.2858D-04	1.0689D 00
1.8000D 03	9.4674D 01	3.6240D 01	1.0841D 02	8.7006D 02	1.3223D-04	8.8388D-05	1.1644D-04	1.1356D 00
2.0000D 03	9.8404D 01	3.6245D 01	1.0773D 02	8.8967D 02	1.2812D-04	8.1090D-05	1.0684D-04	1.1992D 00
2.2000D 03	1.0210D 02	3.6273D 01	1.0709D 02	9.0816D 02	1.2489D-04	7.5188D-05	9.9138D-05	1.2598D 00
2.4000D 03	1.0575D 02	3.6318D 01	1.0647D 02	9.2575D 02	1.2236D-04	7.0350D-05	9.2874D-05	1.3175D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 2300.0 K, CV= 0.309060 02 J/MOL-K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	PHO (KG/M**3)	ALPHA P (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMA T (MPa/K)
1.6813D 01	6.9363D 01	5.8596D 01	1.2256D 02	4.4811D 02	9.9215D-04	2.2127D-03	4.1951D-03	2.3650D-01
2.0000D 01	6.9172D 01	5.6540D 01	1.2240D 02	4.5379D 02	9.0572D-04	2.0384D-03	3.7291D-03	2.4288D-01
3.0000D 01	6.8742D 01	5.2372D 01	1.2200D 02	4.6865D 02	7.3142D-04	1.6595D-03	2.8121D-03	2.6009D-01
4.0000D 01	6.8473D 01	4.9907D 01	1.2167D 02	4.8066D 02	6.2887D-04	1.4181D-03	2.2899D-03	2.7463D-01
5.0000D 01	6.8301D 01	4.8250D 01	1.2139D 02	4.9090D 02	5.5999D-04	1.2476D-03	1.9478D-03	2.8750D-01
6.0000D 01	6.8195D 01	4.7048D 01	1.2114D 02	4.9991D 02	5.0996D-04	1.1195D-03	1.7043D-03	2.9923D-01
7.0000D 01	6.8137D 01	4.6132D 01	1.2092D 02	5.0802D 02	4.7170D-04	1.0191D-03	1.5211D-03	3.1010D-01
8.0000D 01	6.8115D 01	4.5410D 01	1.2072D 02	5.1542D 02	4.4133D-04	9.3773D-04	1.3778D-03	3.2032D-01
9.0000D 01	6.8121D 01	4.4825D 01	1.2053D 02	5.2226D 02	4.1655D-04	8.7032D-04	1.2623D-03	3.3000D-01
1.0000D 02	6.8151D 01	4.4341D 01	1.2035D 02	5.2863D 02	3.9588D-04	8.1337D-04	1.1669D-03	3.3925D-01
1.1000D 02	6.8198D 01	4.3935D 01	1.2018D 02	5.3462D 02	3.7835D-04	7.6453D-04	1.0868D-03	3.4813D-01
1.2000D 02	6.8261D 01	4.3589D 01	1.2002D 02	5.4027D 02	3.6326D-04	7.2210D-04	1.0184D-03	3.5669D-01
1.3000D 02	6.8337D 01	4.3291D 01	1.1987D 02	5.4564D 02	3.5012D-04	6.8484D-04	9.5926D-04	3.6498D-01
1.4000D 02	6.8425D 01	4.3032D 01	1.1973D 02	5.5075D 02	3.3855D-04	6.5182D-04	9.0756D-04	3.7303D-01
1.5000D 02	6.8522D 01	4.2806D 01	1.1959D 02	5.5564D 02	3.2829D-04	6.2233D-04	8.6194D-04	3.8087D-01
1.6000D 02	6.8627D 01	4.2606D 01	1.1945D 02	5.6034D 02	3.1911D-04	5.9580D-04	8.2135D-04	3.8851D-01
1.7000D 02	6.8740D 01	4.2430D 01	1.1933D 02	5.6485D 02	3.1084D-04	5.7179D-04	7.8498D-04	3.9598D-01
1.8000D 02	6.8859D 01	4.2272D 01	1.1920D 02	5.6921D 02	3.0335D-04	5.4994D-04	7.5218D-04	4.0329D-01
1.9000D 02	6.8984D 01	4.2131D 01	1.1908D 02	5.7342D 02	2.9653D-04	5.2996D-04	7.2243D-04	4.1046D-01
2.0000D 02	6.9114D 01	4.2004D 01	1.1896D 02	5.7750D 02	2.9028D-04	5.1160D-04	6.9530D-04	4.1750D-01
2.5000D 02	6.9823D 01	4.1527D 01	1.1842D 02	5.9623D 02	2.6553D-04	4.3820D-04	5.8878D-04	4.5098D-01
3.0000D 02	7.0604D 01	4.1223D 01	1.1793D 02	6.1284D 02	2.4792D-04	3.8542D-04	5.1408D-04	4.8227D-01
3.5000D 02	7.1429D 01	4.1048D 01	1.1749D 02	6.2789D 02	2.3526D-04	3.4607D-04	4.5963D-04	5.1185D-01
4.0000D 02	7.2280D 01	4.0947D 01	1.1707D 02	6.4180D 02	2.2574D-04	3.1562D-04	4.1816D-04	5.3985D-01
4.5000D 02	7.3150D 01	4.0850D 01	1.1668D 02	6.5478D 02	2.1733D-04	2.9025D-04	3.8363D-04	5.6651D-01
5.0000D 02	7.4035D 01	4.0756D 01	1.1631D 02	6.6696D 02	2.0982D-04	2.6872D-04	3.5436D-04	5.9210D-01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 2300.0 K, CV= 0.30906D 02 J/MOL-K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHA P (1/K)	BETA S (1/MPa)	BETA T (1/MPa)	GAMMA T (MPa/K)
6.0000D 02	7.5841D 01	4.0583D 01	1.1562D 02	6.8932D 02	1.9688D-04	2.3403D-04	3.0731D-04	6.4062D-01
7.0000D 02	7.7681D 01	4.0430D 01	1.1499D 02	7.0949D 02	1.8610D-04	2.0722D-04	2.7107D-04	6.8656D-01
8.0000D 02	7.9545D 01	4.0295D 01	1.1441D 02	7.2790D 02	1.7696D-04	1.8585D-04	2.4231D-04	7.3033D-01
9.0000D 02	8.1425D 01	4.0180D 01	1.1387D 02	7.4485D 02	1.6912D-04	1.6843D-04	2.1896D-04	7.7236D-01
1.0000D 03	8.3316D 01	4.0081D 01	1.1336D 02	7.6059D 02	1.6233D-04	1.5397D-04	1.9968D-04	8.1293D-01
1.2000D 03	8.7112D 01	3.9929D 01	1.1243D 02	7.8909D 02	1.5122D-04	1.3147D-04	1.6985D-04	8.9033D-01
1.4000D 03	9.0910D 01	3.9828D 01	1.1159D 02	8.1449D 02	1.4263D-04	1.1487D-04	1.4803D-04	9.6351D-01
1.6000D 03	9.4695D 01	3.9770D 01	1.1082D 02	8.3752D 02	1.3589D-04	1.0222D-04	1.3154D-04	1.0331D 00
1.8000D 03	9.8457D 01	3.9746D 01	1.1009D 02	8.5870D 02	1.3057D-04	9.2356D-05	1.1877D-04	1.0993D 00
2.0000D 03	1.0219D 02	3.9750D 01	1.0942D 02	8.7842D 02	1.2636D-04	8.4503D-05	1.0868D-04	1.1626D 00
2.2000D 03	1.0588D 02	3.9777D 01	1.0877D 02	8.9697D 02	1.2303D-04	7.8156D-05	1.0059D-04	1.2231D 00
2.4000D 03	1.0954D 02	3.9824D 01	1.0815D 02	9.1458D 02	1.2041D-04	7.2958D-05	9.4009D-05	1.2808D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT $T = 2400.0 \text{ K}$, $CV = 0.386850 \text{ J/MOL-K}$

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	BRO (KG/M**3)	ALPHA (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMA (MPa/K)
2.07570 01	7.58320 01	8.47510 01	1.25220 02	4.03220 02	1.77660-03	4.28010-03	9.37680-03	1.89470-01
3.00000 01	7.46750 01	6.90070 01	1.24520 02	4.29060 02	1.09230-03	2.83710-03	5.06090-03	2.15840-01
4.00000 01	7.40110 01	6.27740 01	1.24030 02	4.47390 02	8.28630-04	2.16660-03	3.51570-03	2.35700-01
5.00000 01	7.36020 01	5.94350 01	1.23650 02	4.61440 02	6.89540-04	1.78360-03	2.74020-03	2.51640-01
6.00000 01	7.33350 01	5.73010 01	1.23330 02	4.73060 02	6.01410-04	1.53010-03	2.26640-03	2.65370-01
7.00000 01	7.31590 01	5.58030 01	1.23060 02	4.83070 02	5.39770-04	1.34780-03	1.94420-03	2.77630-01
8.00000 01	7.30470 01	5.46860 01	1.22810 02	4.91950 02	4.93840-04	1.20940-03	1.70960-03	2.88860-01
9.00000 01	7.29820 01	5.38180 01	1.22590 02	4.99970 02	4.58110-04	1.10020-03	1.53060-03	2.99310-01
1.00000 02	7.29520 01	5.31240 01	1.22390 02	5.07310 02	4.29400-04	1.01150-03	1.38900-03	3.09140-01
1.10000 02	7.29520 01	5.25560 01	1.22200 02	5.14100 02	4.05760-04	9.37830-04	1.27410-03	3.18470-01
1.20000 02	7.29740 01	5.20820 01	1.22030 02	5.20440 02	3.85920-04	8.75560-04	1.17880-03	3.27400-01
1.30000 02	7.30160 01	5.16810 01	1.21860 02	5.26390 02	3.69000-04	8.22140-04	1.09830-03	3.35970-01
1.40000 02	7.30730 01	5.13380 01	1.21700 02	5.32010 02	3.54380-04	7.75720-04	1.02940-03	3.44240-01
1.50000 02	7.31440 01	5.10420 01	1.21550 02	5.37360 02	3.41600-04	7.34590-04	9.69750-04	3.52260-01
1.60000 02	7.32270 01	5.07840 01	1.21410 02	5.42450 02	3.30330-04	6.98910-04	9.17480-04	3.60040-01
1.70000 02	7.33200 01	5.05570 01	1.21270 02	5.47320 02	3.20300-04	6.66710-04	8.71300-04	3.67620-01
1.80000 02	7.34210 01	5.03560 01	1.21140 02	5.51990 02	3.11330-04	6.37770-04	8.30170-04	3.75010-01
1.90000 02	7.35300 01	5.01780 01	1.21010 02	5.56490 02	3.03230-04	6.11600-04	7.93290-04	3.82240-01
2.00000 02	7.36460 01	5.00200 01	1.20890 02	5.60830 02	2.95090-04	5.87800-04	7.60010-04	3.89320-01
2.50000 02	7.43020 01	4.94330 01	1.20330 02	5.80560 02	2.67420-04	4.94940-04	6.32440-04	4.22840-01
3.00000 02	7.50490 01	4.90670 01	1.19820 02	5.97840 02	2.47780-04	4.30340-04	5.45820-04	4.53950-01
3.50000 02	7.58530 01	4.88270 01	1.19370 02	6.13370 02	2.33270-04	3.82430-04	4.62690-04	4.83280-01
4.00000 02	7.66940 01	4.86940 01	1.18950 02	6.27570 02	2.22660-04	3.46040-04	4.35560-04	5.11210-01
4.50000 02	7.75550 01	4.86270 01	1.18550 02	6.40780 02	2.14660-04	3.17560-04	3.99160-04	5.37780-01
5.00000 02	7.84320 01	4.85560 01	1.18180 02	6.53180 02	2.07460-04	2.93470-04	3.68350-04	5.63210-01
6.00000 02	8.02220 01	4.84150 01	1.17480 02	6.75940 02	1.94960-04	2.54810-04	3.18900-04	6.11350-01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 2400.0 K, CV= 0.38685D 02 J/MOL-K

P (MPa)	H-H(258) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHAP (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMAV (MPa/K)
7.0000D 02	8.2048D 01	4.8282D 01	1.1685D 02	6.9646D 02	1.8444D-04	2.2504D-04	2.8087D-04	6.5670D-01
8.0000D 02	8.3899D 01	4.8160D 01	1.1626D 02	7.1518D 02	1.7546D-04	2.0137D-04	2.5070D-04	6.9990D-01
9.0000D 02	8.5768D 01	4.8052D 01	1.1571D 02	7.3241D 02	1.6771D-04	1.8212D-04	2.2622D-04	7.4135D-01
1.0000D 03	8.7649D 01	4.7958D 01	1.1520D 02	7.4839D 02	1.6096D-04	1.6617D-04	2.0600D-04	7.8135D-01
1.2000D 03	9.1430D 01	4.7810D 01	1.1427D 02	7.7730D 02	1.4986D-04	1.4137D-04	1.7472D-04	8.5770D-01
1.4000D 03	9.5218D 01	4.7709D 01	1.1342D 02	8.0301D 02	1.4120D-04	1.2312D-04	1.5184D-04	9.2996D-01
1.6000D 03	9.8997D 01	4.7648D 01	1.1265D 02	8.2628D 02	1.3438D-04	1.0924D-04	1.3455D-04	9.9875D-01
1.8000D 03	1.0276D 02	4.7622D 01	1.1192D 02	8.4763D 02	1.2897D-04	9.8421D-05	1.2116D-04	1.0644D 00
2.0000D 03	1.0649D 02	4.7624D 01	1.1124D 02	8.6747D 02	1.2465D-04	8.9000D-05	1.1058D-04	1.1273D 00
2.2000D 03	1.1018D 02	4.7650D 01	1.1060D 02	8.8609D 02	1.2123D-04	8.2879D-05	1.0209D-04	1.1875D 00
2.4000D 03	1.1385D 02	4.7697D 01	1.0998D 02	9.0372D 02	1.1852D-04	7.7201D-05	9.5183D-05	1.2452D 00
2.6000D 03	1.1747D 02	4.7759D 01	1.0939D 02	9.2055D 02	1.1640D-04	7.2505D-05	8.9511D-05	1.3004D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 2500.0 K, CV= 0.13577D 03 J/MOL-K

P (MPa)	H-H (298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALPHA P (1/K)	BETAS (1/MPa)	BETAT (1/MPa)	GAMMA V (MPa/K)
2.5192D 01	8.8516D 01	4.8289D 02	1.3026D 02	3.0091D 02	1.7987D-02	5.0056D-02	1.7804D-01	1.0103D-01
3.0000D 01	6.4639D 01	1.9845D 02	1.2858D 02	3.6496D 02	2.5927D-03	1.1553D-02	1.6888D-02	1.5352D-01
4.0000D 01	8.2630D 01	1.7035D 02	1.2754D 02	4.0403D 02	1.2776D-03	5.3519D-03	6.7151D-03	1.9026D-01
5.0000D 01	8.1693D 01	1.6228D 02	1.2694D 02	4.2620D 02	9.2355D-04	3.6305D-03	4.3394D-03	2.1283D-01
6.0000D 01	8.1127D 01	1.5816D 02	1.2650D 02	4.4244D 02	7.4878D-04	2.7918D-03	3.2523D-03	2.3023D-01
7.0000D 01	8.0753D 01	1.5560D 02	1.2615D 02	4.5551D 02	6.4206D-04	2.2881D-03	2.6224D-03	2.4483D-01
8.0000D 01	8.0499D 01	1.5383D 02	1.2585D 02	4.6659D 02	5.6920D-04	1.9496D-03	2.2091D-03	2.5767D-01
9.0000D 01	8.0327D 01	1.5253D 02	1.2559D 02	4.7628D 02	5.1587D-04	1.7053D-03	1.9158D-03	2.6927D-01
1.0000D 02	8.0214D 01	1.5153D 02	1.2535D 02	4.8493D 02	4.7493D-04	1.5200D-03	1.6965D-03	2.7996D-01
1.1000D 02	8.0145D 01	1.5073D 02	1.2513D 02	4.9279D 02	4.4240D-04	1.3744D-03	1.5258D-03	2.8994D-01
1.2000D 02	8.0112D 01	1.5008D 02	1.2493D 02	5.0002D 02	4.1586D-04	1.2566D-03	1.3891D-03	2.9937D-01
1.3000D 02	8.0107D 01	1.4954D 02	1.2475D 02	5.0672D 02	3.9375D-04	1.1594D-03	1.2770D-03	3.0834D-01
1.4000D 02	8.0125D 01	1.4908D 02	1.2458D 02	5.1298D 02	3.7502D-04	1.0776D-03	1.1833D-03	3.1692D-01
1.5000D 02	8.0162D 01	1.4870D 02	1.2441D 02	5.1888D 02	3.5893D-04	1.0078D-03	1.1038D-03	3.2518D-01
1.6000D 02	8.0215D 01	1.4836D 02	1.2426D 02	5.2445D 02	3.4495D-04	9.4748D-04	1.0354D-03	3.3316D-01
1.7000D 02	8.0282D 01	1.4807D 02	1.2411D 02	5.2975D 02	3.3267D-04	8.9479D-04	9.7589D-04	3.4089D-01
1.8000D 02	8.0360D 01	1.4782D 02	1.2397D 02	5.3480D 02	3.2181D-04	8.4835D-04	9.2365D-04	3.4841D-01
1.9000D 02	8.0449D 01	1.4759D 02	1.2383D 02	5.3964D 02	3.1211D-04	8.0709D-04	8.7739D-04	3.5573D-01
2.0000D 02	8.0547D 01	1.4739D 02	1.2370D 02	5.4428D 02	3.0341D-04	7.7016D-04	8.3612D-04	3.6287D-01
2.5000D 02	8.1139D 01	1.4667D 02	1.2311D 02	5.6516D 02	2.7040D-04	6.3126D-04	6.8196D-04	3.9650D-01
3.0000D 02	8.1845D 01	1.4623D 02	1.2259D 02	5.8320D 02	2.4832D-04	5.3934D-04	5.8090D-04	4.2748D-01
3.5000D 02	8.2623D 01	1.4594D 02	1.2213D 02	5.9925D 02	2.3241D-04	4.7354D-04	5.0904D-04	4.5656D-01
4.0000D 02	8.3447D 01	1.4575D 02	1.2170D 02	6.1383D 02	2.2030D-04	4.2381D-04	4.5499D-04	4.8418D-01
4.5000D 02	8.4301D 01	1.4565D 02	1.2130D 02	6.2728D 02	2.1132D-04	3.8575D-04	4.1384D-04	5.1063D-01
5.0000D 02	8.5173D 01	1.4561D 02	1.2092D 02	6.3986D 02	2.0455D-04	3.5588D-04	3.8169D-04	5.3592D-01
6.0000D 02	8.6951D 01	1.4551D 02	1.2022D 02	6.6296D 02	1.9266D-04	3.0798D-04	3.3009D-04	5.8365D-01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 2500.0 K, CV= 0.13577D 03 J/MOL-K

P (MPA)	H-H(298) (KJ/MOL)	CP (J/MOL-K)	S (J/MOL-K)	RHO (KG/M**3)	ALFRA (1/K)	BETAS (1/MPA)	BETAT (1/MPA)	GAMMA (MPA/K)
7.0000D 02	8.8764D 01	1.4541D 02	1.1958D 02	6.8380D 02	1.8252D-04	2.7116D-04	2.9041D-04	6.2848D-01
8.0000D 02	9.0604D 01	1.4530D 02	1.1899D 02	7.0280D 02	1.7378D-04	2.4194D-04	2.5893D-04	6.7112D-01
9.0000D 02	9.2462D 01	1.4521D 02	1.1844D 02	7.2029D 02	1.6617D-04	2.1821D-04	2.3338D-04	7.1200D-01
1.0000D 03	9.4334D 01	1.4512D 02	1.1793D 02	7.3649D 02	1.5951D-04	1.9859D-04	2.1228D-04	7.5142D-01
1.2000D 03	9.8101D 01	1.4498D 02	1.1699D 02	7.6579D 02	1.4847D-04	1.6818D-04	1.7960D-04	8.2668D-01
1.4000D 03	1.0188D 02	1.4488D 02	1.1614D 02	7.9181D 02	1.3979D-04	1.4588D-04	1.5568D-04	8.9798D-01
1.6000D 03	1.0565D 02	1.4482D 02	1.1536D 02	8.1531D 02	1.3291D-04	1.2900D-04	1.3760D-04	9.6594D-01
1.8000D 03	1.0941D 02	1.4479D 02	1.1463D 02	8.3684D 02	1.2741D-04	1.1589D-04	1.2359D-04	1.0310D 00
2.0000D 03	1.1314D 02	1.4479D 02	1.1395D 02	8.5679D 02	1.2301D-04	1.0551D-04	1.1252D-04	1.0933D 00
2.2000D 03	1.1684D 02	1.4481D 02	1.1331D 02	8.7549D 02	1.1950D-04	9.7156D-05	1.0363D-04	1.1531D 00
2.4000D 03	1.2050D 02	1.4486D 02	1.1270D 02	8.9315D 02	1.1670D-04	9.0351D-05	9.6401D-05	1.2106D 00
2.6000D 03	1.2413D 02	1.4492D 02	1.1211D 02	9.0998D 02	1.1450D-04	8.4746D-05	9.0461D-05	1.2657D 00
2.8000D 03	1.2772D 02	1.4500D 02	1.1154D 02	9.2613D 02	1.1279D-04	8.0085D-05	8.5531D-05	1.3187D 00

PROPERTIES OF SATURATED SODIUM LIQUID

T (K)	H-H (298) (J/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	P (ATM)	DH (J/G)	RHO (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
380	219.00	1.3841	1.2482	2.8533	2.515D-10	4.503D 03	9.254D-01	2.515D-04	1.746D-05	1.936D-05	1.299D 01
390	232.81	1.3787	1.2391	2.8892	5.933D-10	4.498D 03	9.230D-01	2.524D-04	1.756D-05	1.954D-05	1.291D 01
400	246.57	1.3734	1.2303	2.9241	1.340D-09	4.493D 03	9.207D-01	2.533D-04	1.767D-05	1.973D-05	1.284D 01
410	260.28	1.3684	1.2216	2.9580	2.907D-09	4.488D 03	9.184D-01	2.542D-04	1.778D-05	1.991D-05	1.276D 01
420	273.94	1.3635	1.2131	2.9909	6.076D-09	4.483D 03	9.160D-01	2.551D-04	1.789D-05	2.011D-05	1.269D 01
430	287.55	1.3588	1.2048	3.0229	1.226D-08	4.477D 03	9.137D-01	2.560D-04	1.800D-05	2.030D-05	1.261D 01
440	301.12	1.3543	1.1967	3.0541	2.396D-08	4.472D 03	9.114D-01	2.569D-04	1.811D-05	2.050D-05	1.254D 01
450	314.64	1.3499	1.1887	3.0845	4.543D-08	4.467D 03	9.090D-01	2.579D-04	1.822D-05	2.069D-05	1.246D 01
460	328.11	1.3457	1.1809	3.1142	8.373D-08	4.461D 03	9.067D-01	2.588D-04	1.834D-05	2.090D-05	1.238D 01
470	341.55	1.3416	1.1733	3.1431	1.503D-07	4.456D 03	9.043D-01	2.597D-04	1.845D-05	2.110D-05	1.231D 01
480	354.95	1.3376	1.1657	3.1713	2.632D-07	4.450D 03	9.020D-01	2.606D-04	1.857D-05	2.131D-05	1.223D 01
490	368.30	1.3338	1.1583	3.1988	4.502D-07	4.445D 03	8.996D-01	2.616D-04	1.868D-05	2.152D-05	1.216D 01
500	381.62	1.3301	1.1511	3.2258	7.535D-07	4.439D 03	8.973D-01	2.625D-04	1.880D-05	2.173D-05	1.208D 01
510	394.91	1.3265	1.1439	3.2521	1.236D-06	4.433D 03	8.949D-01	2.634D-04	1.892D-05	2.194D-05	1.200D 01
520	408.15	1.3231	1.1369	3.2778	1.987D-06	4.427D 03	8.926D-01	2.643D-04	1.904D-05	2.216D-05	1.193D 01
530	421.37	1.3197	1.1300	3.3030	3.138D-06	4.421D 03	8.902D-01	2.653D-04	1.917D-05	2.238D-05	1.185D 01
540	434.55	1.3164	1.1232	3.3276	4.871D-06	4.414D 03	8.878D-01	2.662D-04	1.929D-05	2.261D-05	1.178D 01
550	447.70	1.3133	1.1166	3.3517	7.439D-06	4.408D 03	8.855D-01	2.671D-04	1.941D-05	2.283D-05	1.170D 01
560	460.82	1.3103	1.1100	3.3754	1.119D-05	4.401D 03	8.831D-01	2.681D-04	1.954D-05	2.306D-05	1.162D 01
570	473.90	1.3073	1.1036	3.3985	1.658D-05	4.395D 03	8.807D-01	2.690D-04	1.967D-05	2.330D-05	1.155D 01
580	486.96	1.3045	1.0972	3.4212	2.423D-05	4.388D 03	8.784D-01	2.700D-04	1.979D-05	2.353D-05	1.147D 01
590	499.99	1.3017	1.0910	3.4435	3.496D-05	4.381D 03	8.760D-01	2.709D-04	1.992D-05	2.377D-05	1.140D 01
600	513.00	1.2991	1.0849	3.4654	4.981D-05	4.374D 03	8.736D-01	2.719D-04	2.006D-05	2.401D-05	1.132D 01
610	525.97	1.2965	1.0789	3.4868	7.013D-05	4.367D 03	8.712D-01	2.728D-04	2.019D-05	2.426D-05	1.125D 01
620	538.93	1.2940	1.0729	3.5079	9.764D-05	4.360D 03	8.689D-01	2.738D-04	2.032D-05	2.451D-05	1.117D 01
630	551.86	1.2916	1.0671	3.5286	1.345D-04	4.352D 03	8.665D-01	2.747D-04	2.046D-05	2.476D-05	1.109D 01
640	564.76	1.2894	1.0614	3.5489	1.834D-04	4.345D 03	8.641D-01	2.757D-04	2.059D-05	2.502D-05	1.102D 01

PROPERTIES OF SATURATED SODIUM LIQUID

T (K)	H-H (298) (J/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	P (ATM)	DH (J/G)	RHO (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
650	577.64	1.2871	1.0558	3.5689	2.476D-04	4.337D 03	8.617D-01	2.766D-04	2.073D-05	2.528D-05	1.094D 01
660	590.50	1.2850	1.0502	3.5885	3.311D-04	4.329D 03	8.593D-01	2.776D-04	2.087D-05	2.554D-05	1.087D 01
670	603.34	1.2830	1.0448	3.6078	4.391D-04	4.321D 03	8.569D-01	2.785D-04	2.101D-05	2.580D-05	1.079D 01
680	616.16	1.2810	1.0394	3.6268	5.772D-04	4.313D 03	8.546D-01	2.795D-04	2.115D-05	2.607D-05	1.072D 01
690	628.96	1.2751	1.0342	3.6455	7.527D-04	4.305D 03	8.522D-01	2.805D-04	2.130D-05	2.634D-05	1.065D 01
700	641.75	1.2774	1.0290	3.6639	9.740D-04	4.297D 03	8.498D-01	2.814D-04	2.145D-05	2.662D-05	1.057D 01
710	654.51	1.2756	1.0240	3.6820	1.251D-03	4.288D 03	8.474D-01	2.824D-04	2.159D-05	2.690D-05	1.050D 01
720	667.26	1.2740	1.0190	3.6999	1.595D-03	4.280D 03	8.450D-01	2.834D-04	2.174D-05	2.718D-05	1.042D 01
730	679.99	1.2725	1.0141	3.7174	2.021D-03	4.271D 03	8.426D-01	2.843D-04	2.189D-05	2.747D-05	1.035D 01
740	692.71	1.2710	1.0093	3.7347	2.543D-03	4.262D 03	8.402D-01	2.853D-04	2.205D-05	2.776D-05	1.028D 01
750	705.41	1.2696	1.0046	3.7518	3.180D-03	4.254D 03	8.378D-01	2.863D-04	2.220D-05	2.805D-05	1.020D 01
760	718.10	1.2683	1.0000	3.7686	3.953D-03	4.245D 03	8.354D-01	2.873D-04	2.236D-05	2.835D-05	1.013D 01
770	730.78	1.2670	0.9955	3.7852	4.885D-03	4.236D 03	8.330D-01	2.882D-04	2.251D-05	2.865D-05	1.006D 01
780	743.44	1.2658	0.9910	3.8015	6.003D-03	4.227D 03	8.306D-01	2.892D-04	2.267D-05	2.896D-05	9.986D 00
790	756.10	1.2648	0.9867	3.8176	7.339D-03	4.218D 03	8.282D-01	2.902D-04	2.283D-05	2.927D-05	9.914D 00
800	768.74	1.2637	0.9824	3.8335	8.925D-03	4.209D 03	8.258D-01	2.912D-04	2.300D-05	2.958D-05	9.843D 00
810	781.37	1.2628	0.9782	3.8492	1.080D-02	4.200D 03	8.234D-01	2.922D-04	2.316D-05	2.990D-05	9.771D 00
820	793.99	1.2619	0.9741	3.8647	1.301D-02	4.191D 03	8.210D-01	2.932D-04	2.333D-05	3.022D-05	9.700D 00
830	806.61	1.2611	0.9701	3.8800	1.559D-02	4.181D 03	8.186D-01	2.942D-04	2.350D-05	3.055D-05	9.629D 00
840	819.22	1.2604	0.9662	3.8951	1.861D-02	4.172D 03	8.162D-01	2.951D-04	2.367D-05	3.088D-05	9.558D 00
850	831.82	1.2598	0.9624	3.9101	2.212D-02	4.163D 03	8.138D-01	2.961D-04	2.384D-05	3.121D-05	9.488D 00
860	844.41	1.2592	0.9586	3.9248	2.618D-02	4.154D 03	8.114D-01	2.971D-04	2.402D-05	3.155D-05	9.418D 00
870	857.00	1.2587	0.9550	3.9394	3.087D-02	4.144D 03	8.089D-01	2.981D-04	2.420D-05	3.189D-05	9.348D 00
880	869.59	1.2583	0.9514	3.9537	3.625D-02	4.135D 03	8.065D-01	2.991D-04	2.438D-05	3.224D-05	9.279D 00
890	882.17	1.2579	0.9479	3.9680	4.241D-02	4.125D 03	8.041D-01	3.002D-04	2.456D-05	3.259D-05	9.210D 00
900	894.75	1.2576	0.9445	3.9820	4.945D-02	4.116D 03	8.017D-01	3.012D-04	2.474D-05	3.295D-05	9.141D 00

PROPERTIES OF SATURATED SODIUM LIQUID

T (K)	H-H (298) (J/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	P (ATM)	DH (J/G)	RHO (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
910	907.32	1.2574	0.9411	3.9959	5.745D-02	4.107D 03	7.993D-01	3.022D-04	2.493D-05	3.331D-05	9.072D 00
920	919.90	1.2572	0.9379	4.0097	6.652D-02	4.097D 03	7.969D-01	3.032D-04	2.512D-05	3.367D-05	9.004D 00
930	932.47	1.2572	0.9347	4.0233	7.678D-02	4.088D 03	7.945D-01	3.042D-04	2.531D-05	3.404D-05	8.936D 00
940	945.04	1.2572	0.9316	4.0367	8.834D-02	4.078D 03	7.920D-01	3.052D-04	2.550D-05	3.442D-05	8.869D 00
950	957.62	1.2572	0.9286	4.0500	1.013D-01	4.069D 03	7.896D-01	3.062D-04	2.570D-05	3.479D-05	8.802D 00
960	970.19	1.2574	0.9257	4.0632	1.159D-01	4.060D 03	7.872D-01	3.073D-04	2.590D-05	3.518D-05	8.735D 00
970	982.77	1.2576	0.9229	4.0762	1.322D-01	4.050D 03	7.848D-01	3.083D-04	2.610D-05	3.557D-05	8.668D 00
980	995.35	1.2578	0.9201	4.0891	1.503D-01	4.041D 03	7.824D-01	3.093D-04	2.630D-05	3.596D-05	8.602D 00
990	1007.93	1.2582	0.9174	4.1019	1.705D-01	4.031D 03	7.799D-01	3.104D-04	2.651D-05	3.636D-05	8.536D 00
1000	1020.51	1.2586	0.9148	4.1145	1.929D-01	4.022D 03	7.775D-01	3.114D-04	2.672D-05	3.676D-05	8.471D 00
1010	1033.10	1.2591	0.9123	4.1271	2.177D-01	4.013D 03	7.751D-01	3.124D-04	2.693D-05	3.717D-05	8.406D 00
1020	1045.70	1.2596	0.9099	4.1395	2.451D-01	4.003D 03	7.727D-01	3.135D-04	2.715D-05	3.758D-05	8.341D 00
1030	1058.30	1.2602	0.9075	4.1518	2.753D-01	3.994D 03	7.703D-01	3.145D-04	2.737D-05	3.800D-05	8.277D 00
1040	1070.91	1.2609	0.9052	4.1639	3.085D-01	3.984D 03	7.678D-01	3.156D-04	2.759D-05	3.843D-05	8.213D 00
1050	1083.53	1.2617	0.9030	4.1760	3.449D-01	3.975D 03	7.654D-01	3.166D-04	2.781D-05	3.886D-05	8.149D 00
1060	1096.15	1.2625	0.9009	4.1880	3.848D-01	3.966D 03	7.630D-01	3.177D-04	2.804D-05	3.929D-05	8.086D 00
1070	1108.78	1.2634	0.8989	4.1998	4.284D-01	3.956D 03	7.606D-01	3.188D-04	2.827D-05	3.973D-05	8.023D 00
1080	1121.43	1.2644	0.8969	4.2116	4.759D-01	3.947D 03	7.581D-01	3.198D-04	2.850D-05	4.018D-05	7.960D 00
1090	1134.08	1.2654	0.8950	4.2232	5.277D-01	3.938D 03	7.557D-01	3.209D-04	2.874D-05	4.063D-05	7.898D 00
1100	1146.74	1.2665	0.8932	4.2346	5.840D-01	3.928D 03	7.533D-01	3.220D-04	2.898D-05	4.109D-05	7.836D 00
1110	1159.42	1.2676	0.8915	4.2463	6.451D-01	3.919D 03	7.509D-01	3.230D-04	2.922D-05	4.155D-05	7.774D 00
1120	1172.11	1.2689	0.8898	4.2576	7.112D-01	3.910D 03	7.485D-01	3.241D-04	2.947D-05	4.202D-05	7.713D 00
1130	1184.81	1.2702	0.8882	4.2689	7.828D-01	3.900D 03	7.460D-01	3.252D-04	2.972D-05	4.250D-05	7.652D 00
1140	1197.52	1.2715	0.8867	4.2801	8.600D-01	3.891D 03	7.436D-01	3.263D-04	2.997D-05	4.298D-05	7.592D 00
1150	1210.25	1.2729	0.8853	4.2912	9.433D-01	3.882D 03	7.412D-01	3.274D-04	3.023D-05	4.347D-05	7.531D 00
1160	1223.00	1.2744	0.8840	4.3022	1.033D 00	3.872D 03	7.388D-01	3.285D-04	3.049D-05	4.396D-05	7.472D 00

PROPERTIES OF SATURATED SODIUM LIQUID

T (K)	H-H (298) (J/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	P (ATM)	DH (J/G)	RHO (G/CC)	ALPHA (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMA (ATM/K)
1170	1235.76	1.2760	0.8827	4.3132	1.129D 00	3.863D 03	7.363D-01	3.296D-04	3.076D-05	4.446D-05	7.412D 00
1180	1248.54	1.2776	0.8815	4.3240	1.233D 00	3.854D 03	7.339D-01	3.307D-04	3.103D-05	4.497D-05	7.353D 00
1190	1261.33	1.2793	0.8804	4.3348	1.344D 00	3.844D 03	7.315D-01	3.318D-04	3.130D-05	4.549D-05	7.294D 00
1200	1274.14	1.2811	0.8793	4.3455	1.462D 00	3.835D 03	7.291D-01	3.329D-04	3.158D-05	4.601D-05	7.236D 00
1210	1286.97	1.2829	0.8783	4.3562	1.589D 00	3.826D 03	7.266D-01	3.340D-04	3.186D-05	4.654D-05	7.178D 00
1220	1299.82	1.2848	0.8775	4.3667	1.725D 00	3.816D 03	7.242D-01	3.352D-04	3.215D-05	4.707D-05	7.120D 00
1230	1312.69	1.2867	0.8766	4.3772	1.869D 00	3.807D 03	7.218D-01	3.363D-04	3.244D-05	4.762D-05	7.063D 00
1240	1325.58	1.2888	0.8759	4.3876	2.023D 00	3.797D 03	7.194D-01	3.374D-04	3.274D-05	4.817D-05	7.005D 00
1250	1338.49	1.2909	0.8752	4.3980	2.187D 00	3.788D 03	7.170D-01	3.386D-04	3.304D-05	4.872D-05	6.949D 00
1260	1351.43	1.2930	0.8746	4.4083	2.360D 00	3.778D 03	7.145D-01	3.397D-04	3.334D-05	4.929D-05	6.892D 00
1270	1364.38	1.2952	0.8741	4.4185	2.545D 00	3.769D 03	7.121D-01	3.409D-04	3.365D-05	4.986D-05	6.836D 00
1280	1377.36	1.2975	0.8737	4.4287	2.741D 00	3.759D 03	7.097D-01	3.420D-04	3.397D-05	5.045D-05	6.780D 00
1290	1390.36	1.2999	0.8733	4.4387	2.948D 00	3.749D 03	7.073D-01	3.432D-04	3.429D-05	5.103D-05	6.725D 00
1300	1403.39	1.3023	0.8730	4.4488	3.167D 00	3.740D 03	7.049D-01	3.444D-04	3.461D-05	5.163D-05	6.670D 00
1310	1416.45	1.3048	0.8728	4.4588	3.399D 00	3.730D 03	7.024D-01	3.456D-04	3.494D-05	5.224D-05	6.615D 00
1320	1429.53	1.3073	0.8726	4.4687	3.643D 00	3.720D 03	7.000D-01	3.468D-04	3.528D-05	5.285D-05	6.561D 00
1330	1442.63	1.3099	0.8726	4.4785	3.901D 00	3.710D 03	6.976D-01	3.479D-04	3.562D-05	5.348D-05	6.506D 00
1340	1455.77	1.3126	0.8726	4.4884	4.173D 00	3.700D 03	6.952D-01	3.491D-04	3.597D-05	5.411D-05	6.452D 00
1350	1468.93	1.3154	0.8727	4.4981	4.459D 00	3.691D 03	6.928D-01	3.504D-04	3.633D-05	5.475D-05	6.399D 00
1360	1482.12	1.3182	0.8728	4.5078	4.760D 00	3.681D 03	6.903D-01	3.516D-04	3.669D-05	5.540D-05	6.346D 00
1370	1495.34	1.3211	0.8731	4.5175	5.076D 00	3.670D 03	6.879D-01	3.528D-04	3.705D-05	5.606D-05	6.293D 00
1380	1508.59	1.3240	0.8734	4.5271	5.409D 00	3.660D 03	6.855D-01	3.540D-04	3.743D-05	5.674D-05	6.240D 00
1390	1521.87	1.3270	0.8738	4.5366	5.757D 00	3.650D 03	6.831D-01	3.553D-04	3.781D-05	5.742D-05	6.188D 00
1400	1535.18	1.3301	0.8742	4.5461	6.122D 00	3.640D 03	6.807D-01	3.565D-04	3.819D-05	5.811D-05	6.135D 00
1410	1548.53	1.3332	0.8748	4.5556	6.505D 00	3.629D 03	6.783D-01	3.578D-04	3.859D-05	5.881D-05	6.080D 00
1420	1561.91	1.3364	0.8754	4.5650	6.905D 00	3.619D 03	6.759D-01	3.590D-04	3.899D-05	5.952D-05	6.032D 00

PROPERTIES OF SATURATED SODIUM LIQUID

T (K)	H-H (298) (J/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	P (ATM)	DH (J/G)	RHO (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
1430	1575.32	1.3397	0.8761	4.5744	7.324D 00	3.608D 03	6.735D-01	3.603D-04	3.940D-05	6.024D-05	5.981D 00
1440	1588.76	1.3431	0.8769	4.5837	7.762D 00	3.598D 03	6.711D-01	3.616D-04	3.981D-05	6.098D-05	5.930D 00
1450	1602.24	1.3465	0.8777	4.5930	8.218D 00	3.587D 03	6.686D-01	3.629D-04	4.024D-05	6.172D-05	5.879D 00
1460	1615.76	1.3499	0.8786	4.6022	8.695D 00	3.576D 03	6.662D-01	3.642D-04	4.067D-05	6.248D-05	5.828D 00
1470	1629.31	1.3535	0.8796	4.6114	9.192D 00	3.565D 03	6.638D-01	3.655D-04	4.111D-05	6.325D-05	5.778D 00
1480	1642.90	1.3571	0.8807	4.6206	9.711D 00	3.554D 03	6.614D-01	3.668D-04	4.156D-05	6.403D-05	5.728D 00
1490	1656.53	1.3608	0.8819	4.6297	1.025D 01	3.543D 03	6.590D-01	3.681D-04	4.201D-05	6.483D-05	5.678D 00
1500	1670.19	1.3645	0.8831	4.6388	1.081D 01	3.532D 03	6.566D-01	3.695D-04	4.248D-05	6.564D-05	5.629D 00
1510	1683.90	1.3683	0.8844	4.6479	1.140D 01	3.521D 03	6.542D-01	3.708D-04	4.296D-05	6.646D-05	5.580D 00
1520	1697.64	1.3722	0.8858	4.6569	1.200D 01	3.510D 03	6.518D-01	3.722D-04	4.344D-05	6.729D-05	5.531D 00
1530	1711.43	1.3762	0.8873	4.6659	1.263D 01	3.498D 03	6.494D-01	3.736D-04	4.394D-05	6.814D-05	5.482D 00
1540	1725.25	1.3802	0.8889	4.6749	1.329D 01	3.487D 03	6.470D-01	3.749D-04	4.444D-05	6.901D-05	5.433D 00
1550	1739.12	1.3843	0.8905	4.6838	1.397D 01	3.475D 03	6.446D-01	3.763D-04	4.496D-05	6.989D-05	5.385D 00
1560	1753.03	1.3884	0.8923	4.6927	1.467D 01	3.463D 03	6.422D-01	3.777D-04	4.549D-05	7.078D-05	5.337D 00
1570	1766.98	1.3927	0.8941	4.7015	1.540D 01	3.452D 03	6.398D-01	3.792D-04	4.603D-05	7.169D-05	5.289D 00
1580	1780.98	1.3970	0.8960	4.7103	1.615D 01	3.440D 03	6.375D-01	3.806D-04	4.658D-05	7.262D-05	5.241D 00
1590	1795.02	1.4013	0.8980	4.7191	1.694D 01	3.428D 03	6.351D-01	3.820D-04	4.714D-05	7.356D-05	5.193D 00
1600	1809.10	1.4057	0.9001	4.7279	1.775D 01	3.416D 03	6.327D-01	3.835D-04	4.771D-05	7.452D-05	5.146D 00
1610	1823.23	1.4103	0.9022	4.7367	1.858D 01	3.404D 03	6.303D-01	3.849D-04	4.830D-05	7.550D-05	5.099D 00
1620	1837.41	1.4148	0.9045	4.7454	1.945D 01	3.391D 03	6.279D-01	3.864D-04	4.890D-05	7.649D-05	5.052D 00
1630	1851.64	1.4195	0.9068	4.7541	2.034D 01	3.379D 03	6.255D-01	3.879D-04	4.951D-05	7.751D-05	5.005D 00
1640	1865.91	1.4242	0.9092	4.7627	2.126D 01	3.367D 03	6.231D-01	3.894D-04	5.014D-05	7.854D-05	4.958D 00
1650	1880.23	1.4290	0.9118	4.7713	2.221D 01	3.354D 03	6.208D-01	3.910D-04	5.078D-05	7.959D-05	4.912D 00
1660	1894.60	1.4339	0.9144	4.7799	2.319D 01	3.341D 03	6.184D-01	3.925D-04	5.144D-05	8.067D-05	4.866D 00
1670	1909.02	1.4389	0.9170	4.7885	2.421D 01	3.329D 03	6.160D-01	3.942D-04	5.212D-05	8.178D-05	4.820D 00
1680	1923.50	1.4441	0.9197	4.7970	2.525D 01	3.316D 03	6.136D-01	3.959D-04	5.281D-05	8.291D-05	4.775D 00

PROPERTIES OF SATURATED SODIUM LIQUID

T (K)	H-H (298) (J/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	P (ATM)	CH (J/G)	RHO (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
1690	1938.02	1.4493	0.9224	4.8055	2.6300 01	3.3030 03	6.1130-01	3.9760-04	5.3510-05	8.4080-05	4.7290 00
1700	1952.60	1.4547	0.9253	4.8140	2.7430 01	3.2900 03	6.0890-01	3.9950-04	5.4240-05	8.5270-05	4.6850 00
1710	1967.23	1.4601	0.9281	4.8225	2.8570 01	3.2770 03	6.0650-01	4.0130-04	5.4980-05	8.6490-05	4.6400 00
1720	1981.92	1.4657	0.9310	4.8310	2.9740 01	3.2630 03	6.0410-01	4.0330-04	5.5740-05	8.7750-05	4.5960 00
1730	1996.67	1.4715	0.9340	4.8394	3.0940 01	3.2500 03	6.0180-01	4.0530-04	5.6520-05	8.9040-05	4.5520 00
1740	2011.48	1.4774	0.9371	4.8478	3.2180 01	3.2370 03	5.9940-01	4.0740-04	5.7320-05	9.0370-05	4.5080 00
1750	2026.34	1.4834	0.9402	4.8562	3.3450 01	3.2230 03	5.9700-01	4.0960-04	5.8140-05	9.1740-05	4.4650 00
1760	2041.27	1.4895	0.9433	4.8646	3.4760 01	3.2090 03	5.9460-01	4.1190-04	5.8990-05	9.3140-05	4.4220 00
1770	2056.26	1.4958	0.9466	4.8729	3.6100 01	3.1950 03	5.9230-01	4.1420-04	5.9850-05	9.4590-05	4.3790 00
1780	2071.31	1.5023	0.9498	4.8813	3.7480 01	3.1810 03	5.8990-01	4.1660-04	6.0740-05	9.6080-05	4.3370 00
1790	2086.43	1.5090	0.9532	4.8896	3.8890 01	3.1670 03	5.8750-01	4.1920-04	6.1660-05	9.7610-05	4.2940 00
1800	2101.61	1.5158	0.9566	4.8979	4.0340 01	3.1530 03	5.8510-01	4.2180-04	6.2600-05	9.9190-05	4.2530 00
1810	2116.87	1.5227	0.9601	4.9062	4.1830 01	3.1390 03	5.8270-01	4.2450-04	6.3570-05	1.0080-04	4.2110 00
1820	2132.19	1.5299	0.9637	4.9145	4.3350 01	3.1240 03	5.8030-01	4.2740-04	6.4560-05	1.0250-04	4.1690 00
1830	2147.59	1.5373	0.9674	4.9228	4.4910 01	3.1090 03	5.7800-01	4.3030-04	6.5590-05	1.0420-04	4.1280 00
1840	2163.05	1.5448	0.9711	4.9311	4.6510 01	3.0950 03	5.7560-01	4.3330-04	6.6640-05	1.0600-04	4.0870 00
1850	2178.60	1.5526	0.9749	4.9394	4.8140 01	3.0800 03	5.7320-01	4.3650-04	6.7730-05	1.0790-04	4.0470 00
1860	2194.22	1.5606	0.9788	4.9476	4.9810 01	3.0640 03	5.7080-01	4.3980-04	6.8850-05	1.0980-04	4.0060 00
1870	2209.92	1.5688	0.9827	4.9559	5.1530 01	3.0490 03	5.6840-01	4.4330-04	7.0010-05	1.1180-04	3.9660 00
1880	2225.70	1.5773	0.9868	4.9641	5.3280 01	3.0340 03	5.6590-01	4.4680-04	7.1200-05	1.1380-04	3.9260 00
1890	2241.57	1.5860	0.9909	4.9724	5.5070 01	3.0180 03	5.6350-01	4.5060-04	7.2440-05	1.1590-04	3.8860 00
1900	2257.52	1.5950	0.9952	4.9806	5.6900 01	3.0020 03	5.6110-01	4.5440-04	7.3710-05	1.1810-04	3.8470 00
1910	2273.56	1.6042	0.9995	4.9889	5.8770 01	2.9860 03	5.5870-01	4.5850-04	7.5020-05	1.2040-04	3.8080 00
1920	2289.69	1.6138	1.0039	4.9971	6.0690 01	2.9700 03	5.5620-01	4.6270-04	7.6380-05	1.2280-04	3.7680 00
1930	2305.91	1.6236	1.0085	5.0054	6.2640 01	2.9540 03	5.5380-01	4.6710-04	7.7790-05	1.2520-04	3.7290 00
1940	2322.23	1.6338	1.0131	5.0136	6.4630 01	2.9370 03	5.5130-01	4.7160-04	7.9240-05	1.2780-04	3.6910 00

PROPERTIES OF SATURATED SODIUM LIQUID

T (K)	H-H(298) (J/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	P (ATM)	DH (J/G)	RHO (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
1950	2338.65	1.6443	1.0179	5.0219	6.6670 01	2.9210 03	5.4890-01	4.7640-04	8.0750-05	1.3040-04	3.6520 00
1960	2355.17	1.6551	1.0227	5.0301	6.8750 01	2.9040 03	5.4640-01	4.8140-04	8.2310-05	1.3320-04	3.6140 00
1970	2371.80	1.6663	1.0277	5.0384	7.0870 01	2.8870 03	5.4390-01	4.8660-04	8.3930-05	1.3610-04	3.5760 00
1980	2388.53	1.6779	1.0329	5.0466	7.3030 01	2.8690 03	5.4140-01	4.9200-04	8.5620-05	1.3910-04	3.5380 00
1990	2405.38	1.6899	1.0381	5.0549	7.5230 01	2.8520 03	5.3890-01	4.9770-04	8.7360-05	1.4220-04	3.5000 00
2000	2422.34	1.7024	1.0435	5.0632	7.7480 01	2.8340 03	5.3640-01	5.0370-04	8.9180-05	1.4550-04	3.4620 00
2010	2439.42	1.7153	1.0491	5.0715	7.9770 01	2.8160 03	5.3390-01	5.0990-04	9.1060-05	1.4890-04	3.4250 00
2020	2456.63	1.7287	1.0547	5.0798	8.2110 01	2.7970 03	5.3130-01	5.1650-04	9.3030-05	1.5250-04	3.3870 00
2030	2473.96	1.7426	1.0606	5.0882	8.4490 01	2.7790 03	5.2880-01	5.2330-04	9.5080-05	1.5620-04	3.3500 00
2040	2491.42	1.7570	1.0666	5.0965	8.6910 01	2.7600 03	5.2620-01	5.3050-04	9.7210-05	1.6010-04	3.3130 00
2050	2509.02	1.7720	1.0728	5.1049	8.9370 01	2.7410 03	5.2360-01	5.3800-04	9.9440-05	1.6420-04	3.2760 00
2060	2526.77	1.7876	1.0792	5.1133	9.1880 01	2.7220 03	5.2100-01	5.4590-04	1.0180-04	1.6860-04	3.2390 00
2070	2544.65	1.8039	1.0858	5.1217	9.4440 01	2.7020 03	5.1830-01	5.5430-04	1.0420-04	1.7310-04	3.2020 00
2080	2562.70	1.8209	1.0926	5.1302	9.7040 01	2.6820 03	5.1570-01	5.6300-04	1.0670-04	1.7790-04	3.1650 00
2090	2580.90	1.8386	1.0996	5.1386	9.9680 01	2.6620 03	5.1300-01	5.7230-04	1.0940-04	1.8290-04	3.1280 00
2100	2599.26	1.8571	1.1068	5.1471	1.0240 02	2.6410 03	5.1030-01	5.8200-04	1.1220-04	1.8830-04	3.0920 00
2110	2617.80	1.8764	1.1143	5.1557	1.0510 02	2.6200 03	5.0760-01	5.9230-04	1.1510-04	1.9390-04	3.0550 00
2120	2636.52	1.8967	1.1221	5.1643	1.0790 02	2.5990 03	5.0490-01	6.0310-04	1.1820-04	1.9980-04	3.0180 00
2130	2655.43	1.9179	1.1301	5.1729	1.1070 02	2.5770 03	5.0210-01	6.1460-04	1.2150-04	2.0610-04	2.9820 00
2140	2674.53	1.9402	1.1385	5.1816	1.1360 02	2.5550 03	4.9930-01	6.2680-04	1.2490-04	2.1280-04	2.9450 00
2150	2693.83	1.9636	1.1472	5.1903	1.1650 02	2.5330 03	4.9640-01	6.3970-04	1.2850-04	2.2000-04	2.9080 00
2160	2713.35	1.9882	1.1562	5.1991	1.1950 02	2.5100 03	4.9360-01	6.5340-04	1.3230-04	2.2760-04	2.8710 00
2170	2733.09	2.0141	1.1657	5.2079	1.2250 02	2.4860 03	4.9070-01	6.6800-04	1.3640-04	2.3570-04	2.8340 00
2180	2753.07	2.0415	1.1755	5.2168	1.2550 02	2.4620 03	4.8770-01	6.8350-04	1.4070-04	2.4430-04	2.7970 00
2190	2773.30	2.0704	1.1858	5.2258	1.2870 02	2.4380 03	4.8470-01	7.0000-04	1.4520-04	2.5360-04	2.7600 00
2200	2793.79	2.1010	1.1966	5.2348	1.3180 02	2.4130 03	4.8170-01	7.1770-04	1.5010-04	2.6360-04	2.7230 00

PROPERTIES OF SATURATED SODIUM LIQUID

T (K)	H-H(298) (J/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	P (ATM)	DH (J/G)	RHC (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMA (ATM/K)
2210	2814.55	2.1335	1.2079	5.2439	1.350D 02	2.388D 03	4.766D-01	7.366D-04	1.553D-04	2.743D-04	2.686D 00
2220	2835.61	2.1679	1.2197	5.2531	1.382D 02	2.362D 03	4.755D-01	7.569D-04	1.608D-04	2.859D-04	2.648D 00
2230	2856.97	2.2047	1.2322	5.2624	1.415D 02	2.335D 03	4.723D-01	7.787D-04	1.668D-04	2.984D-04	2.610D 00
2240	2878.66	2.2438	1.2454	5.2718	1.449D 02	2.308D 03	4.691D-01	8.023D-04	1.731D-04	3.119D-04	2.572D 00
2250	2900.69	2.2857	1.2594	5.2813	1.483D 02	2.280D 03	4.658D-01	8.277D-04	1.800D-04	3.267D-04	2.533D 00
2260	2923.10	2.3307	1.2742	5.2909	1.517D 02	2.251D 03	4.624D-01	8.551D-04	1.874D-04	3.428D-04	2.494D 00
2270	2945.90	2.3790	1.2900	5.3006	1.552D 02	2.222D 03	4.589D-01	8.850D-04	1.955D-04	3.605D-04	2.455D 00
2280	2969.13	2.4311	1.3069	5.3105	1.587D 02	2.191D 03	4.554D-01	9.176D-04	2.042D-04	3.799D-04	2.415D 00
2290	2992.81	2.4874	1.3249	5.3205	1.623D 02	2.160D 03	4.518D-01	9.531D-04	2.138D-04	4.013D-04	2.375D 00
2300	3016.98	2.5487	1.3443	5.3307	1.659D 02	2.128D 03	4.481D-01	9.921D-04	2.242D-04	4.251D-04	2.334D 00
2310	3041.68	2.6154	1.3652	5.3410	1.696D 02	2.095D 03	4.443D-01	1.035D-03	2.357D-04	4.515D-04	2.293D 00
2320	3066.95	2.6884	1.3879	5.3516	1.733D 02	2.060D 03	4.404D-01	1.083D-03	2.484D-04	4.812D-04	2.250D 00
2330	3092.85	2.7687	1.4126	5.3623	1.771D 02	2.025D 03	4.364D-01	1.136D-03	2.625D-04	5.146D-04	2.207D 00
2340	3119.45	2.8575	1.4396	5.3733	1.809D 02	1.988D 03	4.322D-01	1.195D-03	2.783D-04	5.525D-04	2.163D 00
2350	3146.79	2.9563	1.4694	5.3846	1.848D 02	1.949D 03	4.279D-01	1.267D-03	2.961D-04	5.957D-04	2.118D 00
2360	3174.98	3.0669	1.5024	5.3962	1.887D 02	1.909D 03	4.234D-01	1.337D-03	3.163D-04	6.456D-04	2.071D 00
2370	3204.10	3.1916	1.5393	5.4081	1.927D 02	1.867D 03	4.187D-01	1.424D-03	3.393D-04	7.035D-04	2.024D 00
2380	3234.27	3.3335	1.5809	5.4204	1.967D 02	1.822D 03	4.138D-01	1.523D-03	3.659D-04	7.716D-04	1.974D 00
2390	3265.63	3.4966	1.6282	5.4331	2.007D 02	1.776D 03	4.086D-01	1.639D-03	3.970D-04	8.525D-04	1.923D 00
2400	3298.35	3.6863	1.6826	5.4463	2.049D 02	1.726D 03	4.032D-01	1.777D-03	4.337D-04	9.501D-04	1.870D 00
2410	3332.65	3.9099	1.7462	5.4602	2.090D 02	1.674D 03	3.975D-01	1.941D-03	4.778D-04	1.070D-03	1.814D 00
2420	3368.81	4.1778	1.8216	5.4747	2.132D 02	1.618D 03	3.913D-01	2.152D-03	5.318D-04	1.220D-03	1.756D 00
2430	3407.18	4.5057	1.9127	5.4901	2.175D 02	1.557D 03	3.847D-01	2.392D-03	5.993D-04	1.412D-03	1.694D 00
2440	3448.27	4.9173	2.0258	5.5065	2.218D 02	1.491D 03	3.775D-01	2.712D-03	6.864D-04	1.666D-03	1.628D 00
2450	3492.75	5.4515	2.1705	5.5242	2.261D 02	1.418D 03	3.696D-01	3.138D-03	8.027D-04	2.016D-03	1.557D 00
2460	3541.66	6.1767	2.3638	5.5436	2.305D 02	1.336D 03	3.608D-01	3.732D-03	9.660D-04	2.524D-03	1.479D 00

PROPERTIES OF SATURATED SODIUM LIQUID

T (K)	H-H (298) (J/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	P (ATM)	DH (J/G)	RHO (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
2470	3596.64	7.2260	2.6381	5.5654	2.350D 02	1.243D 03	3.506D-01	4.619D-03	1.212D-03	3.320D-03	1.391D 00
2480	3660.54	8.9011	3.0652	5.5907	2.355D 02	1.131D 03	3.385D-01	6.091D-03	1.625D-03	4.719D-03	1.291D 00
2490	3739.34	12.0779	3.8465	5.6218	2.440D 02	9.895D 02	3.232D-01	9.030D-03	2.463D-03	7.734D-03	1.168D 00
2500	3850.01	21.0032	5.9052	5.6657	2.486D 02	7.843D 02	3.009D-01	1.799D-02	5.072D-03	1.804D-02	9.971D-01
2508	4033.85	99.5617	20.5016	5.7411	2.523D 02	4.295D 02	2.622D-01	1.141D-01	3.289D-02	1.597D-01	7.146D-01

PROPERTIES OF SATURATED SODIUM VAPOR

PROPERTIES OF SATURATED SODIUM VAPOR

T (K)	H-H (298) (J/g)	CP (J/g-K)	CV (J/g-K)	S (J/g-K)	P (ATM)	KHO (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
380	4722.39	0.9884	0.6278	14.7043	2.515D-10	1.895D-13	2.658D-03	2.528D 09	3.380D 09	6.678D-13
390	4731.07	1.0047	0.6426	14.4232	5.933D-10	4.358D-13	2.595D-03	1.079D 09	1.687D 09	1.538D-12
400	4739.68	1.0230	0.6593	14.1568	1.340D-09	9.601D-13	2.537D-03	4.814D 08	7.469D 08	3.396D-12
410	4748.22	1.0434	0.6777	13.9041	2.907D-09	2.033D-12	2.482D-03	2.237D 06	3.443D 08	7.209D-12
420	4756.67	1.0658	0.6979	13.6641	6.076D-09	4.149D-12	2.431D-03	1.079D 08	1.648D 08	1.475D-11
430	4765.03	1.0903	0.7199	13.4357	1.226D-08	8.184D-12	2.383D-03	5.392D 07	8.166D 07	2.919D-11
440	4773.29	1.1169	0.7437	13.2182	2.396D-08	1.563D-11	2.339D-03	2.783D 07	4.180D 07	5.596D-11
450	4781.44	1.1456	0.7692	13.0108	4.543D-08	2.900D-11	2.297D-03	1.481D 07	2.205D 07	1.042D-10
460	4789.48	1.1762	0.7963	12.8128	8.373D-08	5.230D-11	2.259D-03	8.104D 06	1.197D 07	1.887D-10
470	4797.39	1.2087	0.8250	12.6236	1.503D-07	9.193D-11	2.223D-03	4.554D 06	6.671D 06	3.332D-10
480	4805.18	1.2430	0.8552	12.4426	2.632D-07	1.577D-10	2.189D-03	2.622D 06	3.811D 06	5.744D-10
490	4812.83	1.2790	0.8867	12.2693	4.502D-07	2.644D-10	2.158D-03	1.545D 06	2.229D 06	9.683D-10
500	4820.35	1.3165	0.9194	12.1032	7.535D-07	4.340D-10	2.129D-03	5.302D 05	1.332D 06	1.598D-09
510	4827.72	1.3555	0.9531	11.9438	1.236D-06	6.981D-10	2.102D-03	5.715D 05	8.127D 05	2.586D-09
520	4834.94	1.3958	0.9878	11.7908	1.987D-06	1.102D-09	2.077D-03	3.578D 05	5.056D 05	4.108D-09
530	4842.01	1.4372	1.0233	11.6438	3.138D-06	1.709D-09	2.054D-03	2.281D 05	3.203D 05	6.411D-09
540	4848.92	1.4796	1.0595	11.5024	4.871D-06	2.605D-09	2.032D-03	1.479D 05	2.065D 05	9.842D-09
550	4855.68	1.5228	1.0961	11.3662	7.459D-06	3.909D-09	2.012D-03	9.739D 04	1.353D 05	1.487D-08
560	4862.27	1.5666	1.1330	11.2351	1.119D-05	5.777D-09	1.994D-03	6.511D 04	9.003D 04	2.214D-08
570	4868.70	1.6109	1.1701	11.1087	1.658D-05	8.419D-09	1.976D-03	4.416D 04	6.079D 04	3.251D-08
580	4874.98	1.6555	1.2072	10.9868	2.423D-05	1.210D-06	1.960D-03	3.035D 04	4.162D 04	4.710D-08
590	4881.09	1.7003	1.2442	10.8691	3.496D-05	1.718D-08	1.945D-03	2.113D 04	2.888D 04	6.737D-08
600	4887.04	1.7450	1.2809	10.7554	4.981D-05	2.409D-08	1.931D-03	1.489D 04	2.028D 04	9.522D-08
610	4892.83	1.7896	1.3172	10.6456	7.013D-05	3.340D-08	1.918D-03	1.061D 04	1.442D 04	1.330D-07
620	4898.46	1.8338	1.3529	10.5394	9.764D-05	4.579D-08	1.906D-03	7.648D 03	1.037D 04	1.839D-07
630	4903.94	1.8775	1.3880	10.4366	1.345D-04	5.214D-08	1.895D-03	5.569D 03	7.533D 03	2.515D-07

PROPERTIES OF SATURATED SODIUM VAPOR

T (K)	H-H (298) (J/G)	CF (J/G-K)	CV (J/G-K)	S (J/G-K)	P (ATM)	RHO (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
640	4909.27	1.9207	1.4223	10.3372	1.834D-04	8.346D-08	1.884D-03	4.096D 03	5.531D 03	3.406D-07
650	4914.45	1.9631	1.4557	10.2409	2.476D-04	1.111D-07	1.873D-03	3.041D 03	4.101D 03	4.569D-07
660	4919.48	2.0046	1.4881	10.1476	3.311D-04	1.465D-07	1.864D-03	2.278D 03	3.069D 03	6.073D-07
670	4924.37	2.0452	1.5194	10.0571	4.391D-04	1.916D-07	1.854D-03	1.721D 03	2.317D 03	8.002D-07
680	4929.13	2.0847	1.5496	9.9694	5.772D-04	2.485D-07	1.845D-03	1.312D 03	1.764D 03	1.046D-06
690	4933.76	2.1230	1.5786	9.8843	7.527D-04	3.197D-07	1.836D-03	1.007D 03	1.355D 03	1.356D-06
700	4938.26	2.1602	1.6063	9.8018	9.740D-04	4.083D-07	1.828D-03	7.793D 02	1.048D 03	1.744D-06
710	4942.64	2.1960	1.6327	9.7216	1.251D-03	5.177D-07	1.820D-03	6.074D 02	8.170D 02	2.227D-06
720	4946.91	2.2304	1.6578	9.6438	1.595D-03	6.520D-07	1.812D-03	4.767D 02	6.414D 02	2.825D-06
730	4951.07	2.2634	1.6815	9.5682	2.021D-03	8.156D-07	1.804D-03	3.766D 02	5.070D 02	3.558D-06
740	4955.13	2.2950	1.7038	9.4947	2.543D-03	1.014D-06	1.796D-03	2.995D 02	4.034D 02	4.452D-06
750	4959.08	2.3251	1.7246	9.4233	3.180D-03	1.253D-06	1.788D-03	2.396D 02	3.230D 02	5.536D-06
760	4962.95	2.3536	1.7441	9.3539	3.953D-03	1.539D-06	1.780D-03	1.928D 02	2.602D 02	6.842D-06
770	4966.73	2.3807	1.7621	9.2864	4.885D-03	1.880D-06	1.772D-03	1.560D 02	2.108D 02	8.408D-06
780	4970.44	2.4061	1.7788	9.2207	6.003D-03	2.284D-06	1.765D-03	1.270D 02	1.717D 02	1.027D-05
790	4974.07	2.4301	1.7940	9.1568	7.339D-03	2.761D-06	1.757D-03	1.039D 02	1.407D 02	1.249D-05
800	4977.63	2.4525	1.8079	9.0947	8.925D-03	3.321D-06	1.749D-03	8.539D 01	1.158D 02	1.510D-05
810	4981.13	2.4733	1.8205	9.0341	1.080D-02	3.975D-06	1.741D-03	7.054D 01	9.584D 01	1.816D-05
820	4984.58	2.4927	1.8317	8.9752	1.301D-02	4.736D-06	1.733D-03	5.855D 01	7.968D 01	2.175D-05
830	4987.98	2.5105	1.8416	8.9178	1.559D-02	5.619D-06	1.725D-03	4.882D 01	6.655D 01	2.591D-05
840	4991.33	2.5269	1.8503	8.8619	1.861D-02	6.637D-06	1.716D-03	4.088D 01	5.583D 01	3.074D-05
850	4994.64	2.5419	1.8578	8.8075	2.212D-02	7.808D-06	1.708D-03	3.438D 01	4.704D 01	3.631D-05
860	4997.92	2.5555	1.8642	8.7544	2.618D-02	9.149D-06	1.700D-03	2.903D 01	3.980D 01	4.270D-05
870	5001.16	2.5677	1.8694	8.7028	3.087D-02	1.068D-05	1.691D-03	2.461D 01	3.380D 01	5.002D-05
880	5004.38	2.5786	1.8735	8.6524	3.625D-02	1.242D-05	1.682D-03	2.094D 01	2.882D 01	5.837D-05
890	5007.58	2.5882	1.8766	8.6033	4.241D-02	1.439D-05	1.674D-03	1.788D 01	2.467D 01	6.785D-05

PROPERTIES OF SATURATED SODIUM VAPOR

T (K)	H-H (298) (J/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	P (ATM)	RHO (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
900	5010.77	2.5966	1.8787	8.5554	4.945D-02	1.662D-05	1.665D-03	1.533D 01	2.119D 01	7.858D-05
910	5013.94	2.6038	1.8789	8.5087	5.745D-02	1.913D-05	1.656D-03	1.318D 01	1.826D 01	9.069D-05
920	5017.10	2.6099	1.8802	8.4631	6.652D-02	2.195D-05	1.647D-03	1.137D 01	1.579D 01	1.043D-04
930	5020.25	2.6149	1.8797	8.4187	7.678D-02	2.510D-05	1.638D-03	9.846D 00	1.370D 01	1.196D-04
940	5023.41	2.6188	1.8784	8.3754	8.834D-02	2.862D-05	1.629D-03	8.550D 00	1.192D 01	1.366D-04
950	5026.56	2.6218	1.8763	8.3331	1.013D-01	3.254D-05	1.619D-03	7.446D 00	1.041D 01	1.556D-04
960	5029.71	2.6239	1.8735	8.2918	1.159D-01	3.690D-05	1.610D-03	6.504D 00	9.109D 00	1.768D-04
970	5032.87	2.6250	1.8701	8.2516	1.322D-01	4.172D-05	1.601D-03	5.697D 00	7.998D 00	2.002D-04
980	5036.04	2.6254	1.8660	8.2123	1.503D-01	4.705D-05	1.592D-03	5.004D 00	7.041D 00	2.260D-04
990	5039.22	2.6250	1.8614	8.1739	1.705D-01	5.292D-05	1.582D-03	4.407D 00	6.215D 00	2.546D-04
1000	5042.41	2.6238	1.8562	8.1364	1.929D-01	5.938D-05	1.573D-03	3.891D 00	5.501D 00	2.860D-04
1010	5045.61	2.6220	1.8506	8.0998	2.177D-01	6.646D-05	1.564D-03	3.445D 00	4.880D 00	3.204D-04
1020	5048.82	2.6195	1.8445	8.0641	2.451D-01	7.422D-05	1.554D-03	3.056D 00	4.341D 00	3.581D-04
1030	5052.05	2.6164	1.8380	8.0292	2.753D-01	8.269D-05	1.545D-03	2.718D 00	3.870D 00	3.992D-04
1040	5055.30	2.6129	1.8311	7.9951	3.085D-01	9.193D-05	1.536D-03	2.423D 00	3.458D 00	4.441D-04
1050	5058.56	2.6088	1.8239	7.9618	3.449D-01	1.020D-04	1.526D-03	2.165D 00	3.097D 00	4.929D-04
1060	5061.83	2.6042	1.8164	7.9292	3.848D-01	1.129D-04	1.517D-03	1.939D 00	2.779D 00	5.459D-04
1070	5065.13	2.5993	1.8086	7.8974	4.284D-01	1.247D-04	1.508D-03	1.739D 00	2.500D 00	6.033D-04
1080	5068.44	2.5940	1.8006	7.8662	4.759D-01	1.376D-04	1.499D-03	1.564D 00	2.253D 00	6.654D-04
1090	5071.76	2.5884	1.7923	7.8358	5.277D-01	1.514D-04	1.490D-03	1.409D 00	2.034D 00	7.324D-04
1100	5075.11	2.5825	1.7838	7.8060	5.840D-01	1.663D-04	1.481D-03	1.271D 00	1.841D 00	8.046D-04
1110	5078.46	2.5763	1.7752	7.7769	6.451D-01	1.824D-04	1.472D-03	1.150D 00	1.669D 00	8.823D-04
1120	5081.83	2.5699	1.7664	7.7485	7.112D-01	1.997D-04	1.464D-03	1.042D 00	1.515D 00	9.658D-04
1130	5085.22	2.5633	1.7575	7.7206	7.828D-01	2.182D-04	1.455D-03	9.453D-01	1.379D 00	1.055D-03
1140	5088.61	2.5566	1.7485	7.6934	8.600D-01	2.381D-04	1.447D-03	8.594D-01	1.257D 00	1.151D-03
1150	5092.02	2.5498	1.7395	7.6667	9.433D-01	2.593D-04	1.438D-03	7.826D-01	1.147D 00	1.254D-03

PROPERTIES OF SATURATED SODIUM VAPOR

T (K)	H-H (298) (J/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	P (ATM)	ENH (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
1160	5095.44	2.5428	1.7303	7.6406	1.033D 00	2.821D-04	1.430D-03	7.139D-01	1.049D 00	1.363D-03
1170	5098.86	2.5358	1.7211	7.6150	1.129D 00	3.063D-04	1.422D-03	6.522D-01	9.609D-01	1.480D-03
1180	5102.29	2.5287	1.7119	7.5899	1.233D 00	3.321D-04	1.414D-03	5.958D-01	8.815D-01	1.604D-03
1190	5105.72	2.5216	1.7026	7.5654	1.344D 00	3.596D-04	1.407D-03	5.469D-01	8.100D-01	1.737D-03
1200	5109.16	2.5145	1.6933	7.5414	1.462D 00	3.889D-04	1.399D-03	5.019D-01	7.453D-01	1.877D-03
1210	5112.59	2.5075	1.6841	7.5178	1.589D 00	4.199D-04	1.392D-03	4.613D-01	6.869D-01	2.026D-03
1220	5116.03	2.5004	1.6748	7.4948	1.725D 00	4.528D-04	1.385D-03	4.246D-01	6.339D-01	2.184D-03
1230	5119.46	2.4934	1.6656	7.4721	1.869D 00	4.877D-04	1.378D-03	3.913D-01	5.858D-01	2.352D-03
1240	5122.88	2.4865	1.6563	7.4500	2.023D 00	5.246D-04	1.371D-03	3.611D-01	5.421D-01	2.529D-03
1250	5126.29	2.4797	1.6472	7.4282	2.187D 00	5.636D-04	1.364D-03	3.337D-01	5.024D-01	2.716D-03
1260	5129.70	2.4729	1.6380	7.4069	2.360D 00	6.048D-04	1.358D-03	3.088D-01	4.661D-01	2.913D-03
1270	5133.09	2.4662	1.6289	7.3860	2.545D 00	6.482D-04	1.352D-03	2.860D-01	4.331D-01	3.121D-03
1280	5136.46	2.4597	1.6198	7.3655	2.741D 00	6.940D-04	1.345D-03	2.653D-01	4.028D-01	3.340D-03
1290	5139.82	2.4533	1.6108	7.3453	2.948D 00	7.421D-04	1.340D-03	2.464D-01	3.752D-01	3.570D-03
1300	5143.16	2.4470	1.6019	7.3255	3.167D 00	7.928D-04	1.334D-03	2.290D-01	3.499D-01	3.813D-03
1310	5146.47	2.4408	1.5930	7.3061	3.399D 00	8.460D-04	1.328D-03	2.132D-01	3.266D-01	4.067D-03
1320	5149.76	2.4347	1.5841	7.2870	3.643D 00	9.019D-04	1.323D-03	1.986D-01	3.053D-01	4.335D-03
1330	5153.03	2.4288	1.5753	7.2683	3.901D 00	9.605D-04	1.318D-03	1.853D-01	2.856D-01	4.615D-03
1340	5156.26	2.4230	1.5665	7.2499	4.173D 00	1.022D-03	1.313D-03	1.730D-01	2.676D-01	4.908D-03
1350	5159.46	2.4174	1.5578	7.2318	4.459D 00	1.086D-03	1.309D-03	1.617D-01	2.509D-01	5.216D-03
1360	5162.63	2.4119	1.5492	7.2141	4.760D 00	1.153D-03	1.304D-03	1.513D-01	2.355D-01	5.537D-03
1370	5165.76	2.4065	1.5406	7.1966	5.076D 00	1.224D-03	1.300D-03	1.417D-01	2.213D-01	5.873D-03
1380	5168.86	2.4012	1.5320	7.1794	5.409D 00	1.297D-03	1.296D-03	1.328D-01	2.082D-01	6.224D-03
1390	5171.91	2.3960	1.5235	7.1625	5.757D 00	1.374D-03	1.292D-03	1.246D-01	1.960D-01	6.590D-03
1400	5174.92	2.3910	1.5150	7.1459	6.122D 00	1.454D-03	1.288D-03	1.171D-01	1.847D-01	6.971D-03
1410	5177.89	2.3861	1.5066	7.1296	6.505D 00	1.537D-03	1.284D-03	1.100D-01	1.743D-01	7.369D-03

PROPERTIES OF SATURATED SODIUM VAPOR

T (K)	H-H (298) (J/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	P (ATM)	BHO (G/CC)	ALPHAP (1/°K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
1420	5180.82	2.3812	1.4982	7.1135	6.905D 00	1.624D-03	1.281D-03	1.035D-01	1.645D-01	7.783D-03
1430	5183.69	2.3765	1.4899	7.0977	7.324D 00	1.715D-03	1.277D-03	9.749D-02	1.555D-01	9.214D-03
1440	5186.53	2.3718	1.4815	7.0822	7.762D 00	1.809D-03	1.274D-03	9.181D-02	1.471D-01	8.661D-03
1450	5189.31	2.3673	1.4732	7.0668	8.218D 00	1.906D-03	1.271D-03	8.667D-02	1.393D-01	9.127D-03
1460	5192.04	2.3628	1.4650	7.0517	8.695D 00	2.008D-03	1.268D-03	8.182D-02	1.320D-01	9.609D-03
1470	5194.72	2.3583	1.4567	7.0369	9.192D 00	2.114D-03	1.265D-03	7.731D-02	1.252D-01	1.011D-02
1480	5197.35	2.3539	1.4485	7.0223	9.711D 00	2.223D-03	1.263D-03	7.310D-02	1.188D-01	1.363D-02
1490	5199.93	2.3495	1.4403	7.0079	1.025D 01	2.337D-03	1.260D-03	6.917D-02	1.128D-01	1.117D-02
1500	5202.46	2.3452	1.4321	6.9937	1.081D 01	2.455D-03	1.258D-03	6.551D-02	1.073D-01	1.172D-02
1510	5204.93	2.3408	1.4240	6.9797	1.140D 01	2.577D-03	1.255D-03	6.208D-02	1.021D-01	1.230D-02
1520	5207.35	2.3365	1.4158	6.9659	1.200D 01	2.703D-03	1.253D-03	5.888D-02	9.716D-02	1.290D-02
1530	5209.72	2.3322	1.4077	6.9524	1.263D 01	2.834D-03	1.251D-03	5.588D-02	9.257D-02	1.351D-02
1540	5212.03	2.3278	1.3996	6.9390	1.329D 01	2.969D-03	1.249D-03	5.307D-02	8.827D-02	1.415D-02
1550	5214.29	2.3234	1.3915	6.9258	1.397D 01	3.109D-03	1.246D-03	5.044D-02	8.422D-02	1.480D-02
1560	5216.50	2.3190	1.3834	6.9128	1.467D 01	3.254D-03	1.244D-03	4.797D-02	8.041D-02	1.548D-02
1570	5218.66	2.3146	1.3753	6.9000	1.540D 01	3.403D-03	1.242D-03	4.565D-02	7.683D-02	1.617D-02
1580	5220.77	2.3100	1.3673	6.8874	1.615D 01	3.557D-03	1.240D-03	4.348D-02	7.346D-02	1.689D-02
1590	5222.83	2.3055	1.3592	6.8750	1.694D 01	3.716D-03	1.239D-03	4.143D-02	7.028D-02	1.762D-02
1600	5224.85	2.3008	1.3512	6.8628	1.775D 01	3.881D-03	1.237D-03	3.951D-02	6.728D-02	1.838D-02
1610	5226.81	2.2961	1.3432	6.8507	1.858D 01	4.050D-03	1.235D-03	3.770D-02	6.445D-02	1.916D-02
1620	5228.73	2.2913	1.3353	6.8388	1.945D 01	4.224D-03	1.233D-03	3.600D-02	6.177D-02	1.996D-02
1630	5230.61	2.2864	1.3273	6.8270	2.034D 01	4.404D-03	1.231D-03	3.439D-02	5.924D-02	2.078D-02
1640	5232.44	2.2813	1.3194	6.8155	2.126D 01	4.590D-03	1.229D-03	3.288D-02	5.685D-02	2.162D-02
1650	5234.24	2.2760	1.3112	6.8041	2.221D 01	4.780D-03	1.227D-03	3.145D-02	5.458D-02	2.248D-02
1660	5235.98	2.2709	1.3030	6.7928	2.319D 01	4.977D-03	1.226D-03	3.009D-02	5.244D-02	2.337D-02
1670	5237.68	2.2664	1.2951	6.7817	2.421D 01	5.179D-03	1.224D-03	2.881D-02	5.042D-02	2.428D-02

PROPERTIES OF SATURATED SODIUM VAPOR

T (K)	H-H (298) (J/G)	CF (J/G-K)	CV (J/G-K)	S (J/G-K)	P (ATM)	RHO (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
1680	5239.32	2.2625	1.2875	6.7707	2.525D 01	5.386D-03	1.223D-03	2.760D-02	4.851D-02	2.522D-02
1690	5240.91	2.2592	1.2803	6.7599	2.632D 01	5.600D-03	1.223D-03	2.645D-02	4.669D-02	2.618D-02
1700	5242.44	2.2564	1.2734	6.7492	2.743D 01	5.811D-03	1.222D-03	2.538D-02	4.497D-02	2.717D-02
1710	5243.93	2.2543	1.2668	6.7387	2.857D 01	6.045D-03	1.222D-03	2.436D-02	4.334D-02	2.819D-02
1720	5245.35	2.2527	1.2605	6.7283	2.974D 01	6.277D-03	1.222D-03	2.339D-02	4.180D-02	2.924D-02
1730	5246.72	2.2517	1.2545	6.7180	3.094D 01	6.515D-03	1.223D-03	2.247D-02	4.033D-02	3.032D-02
1740	5248.03	2.2513	1.2487	6.7079	3.218D 01	6.759D-03	1.223D-03	2.160D-02	3.894D-02	3.142D-02
1750	5249.28	2.2515	1.2433	6.6979	3.345D 01	7.010D-03	1.224D-03	2.077D-02	3.761D-02	3.255D-02
1760	5250.47	2.2522	1.2381	6.6880	3.476D 01	7.268D-03	1.226D-03	1.999D-02	3.636D-02	3.372D-02
1770	5251.59	2.2535	1.2332	6.6782	3.610D 01	7.532D-03	1.227D-03	1.924D-02	3.516D-02	3.491D-02
1780	5252.66	2.2554	1.2285	6.6686	3.748D 01	7.803D-03	1.229D-03	1.853D-02	3.402D-02	3.614D-02
1790	5253.65	2.2580	1.2241	6.6590	3.889D 01	8.089D-03	1.232D-03	1.786D-02	3.294D-02	3.739D-02
1800	5254.58	2.2611	1.2200	6.6496	4.034D 01	8.365D-03	1.234D-03	1.722D-02	3.191D-02	3.868D-02
1810	5255.45	2.2648	1.2161	6.6403	4.183D 01	8.657D-03	1.237D-03	1.661D-02	3.093D-02	4.001D-02
1820	5256.24	2.2692	1.2125	6.6311	4.335D 01	8.956D-03	1.241D-03	1.603D-02	3.000D-02	4.136D-02
1830	5256.96	2.2743	1.2091	6.6219	4.491D 01	9.263D-03	1.245D-03	1.548D-02	2.911D-02	4.276D-02
1840	5257.61	2.2800	1.2060	6.6129	4.651D 01	9.577D-03	1.249D-03	1.495D-02	2.826D-02	4.418D-02
1850	5258.18	2.2864	1.2032	6.6040	4.814D 01	9.899D-03	1.253D-03	1.445D-02	2.745D-02	4.565D-02
1860	5258.67	2.2935	1.2005	6.5952	4.981D 01	1.023D-02	1.258D-03	1.397D-02	2.668D-02	4.715D-02
1870	5259.09	2.3013	1.1982	6.5865	5.153D 01	1.057D-02	1.263D-03	1.351D-02	2.595D-02	4.869D-02
1880	5259.42	2.3098	1.1961	6.5778	5.328D 01	1.091D-02	1.269D-03	1.308D-02	2.525D-02	5.026D-02
1890	5259.67	2.3192	1.1942	6.5693	5.507D 01	1.127D-02	1.275D-03	1.266D-02	2.458D-02	5.188D-02
1900	5259.83	2.3293	1.1926	6.5608	5.690D 01	1.163D-02	1.282D-03	1.226D-02	2.395D-02	5.354D-02
1910	5259.91	2.3402	1.1913	6.5524	5.877D 01	1.200D-02	1.289D-03	1.188D-02	2.334D-02	5.524D-02
1920	5259.89	2.3520	1.1902	6.5441	6.069D 01	1.238D-02	1.297D-03	1.152D-02	2.276D-02	5.698D-02
1930	5259.78	2.3647	1.1894	6.5359	6.264D 01	1.277D-02	1.305D-03	1.117D-02	2.221D-02	5.877D-02

PROPERTIES OF SATURATED SODIUM VAPOR

T (K)	H-H (298) (J/G)	CE (J/G-K)	CV (J/G-K)	S (J/G-K)	P (ATM)	RHC (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMNAV (ATM/K)
1940	5259.58	2.3783	1.1889	6.5277	6.463D 01	1.316D-02	1.314D-03	1.084D-02	2.169D-02	6.060D-02
1950	5259.27	2.3928	1.1886	6.5196	6.667D 01	1.357D-02	1.324D-03	1.052D-02	2.118D-02	6.248D-02
1960	5258.87	2.4084	1.1886	6.5116	6.875D 01	1.399D-02	1.334D-03	1.022D-02	2.071D-02	6.441D-02
1970	5258.36	2.4250	1.1888	6.5036	7.087D 01	1.441D-02	1.344D-03	9.929D-03	2.025D-02	6.638D-02
1980	5257.74	2.4426	1.1894	6.4957	7.303D 01	1.485D-02	1.356D-03	9.651D-03	1.982D-02	6.841D-02
1990	5257.01	2.4615	1.1902	6.4879	7.523D 01	1.529D-02	1.368D-03	9.385D-03	1.941D-02	7.049D-02
2000	5256.16	2.4815	1.1913	6.4801	7.748D 01	1.575D-02	1.381D-03	9.130D-03	1.902D-02	7.262D-02
2010	5255.20	2.5029	1.1927	6.4724	7.977D 01	1.622D-02	1.395D-03	8.886D-03	1.865D-02	7.480D-02
2020	5254.11	2.5255	1.1945	6.4647	8.211D 01	1.670D-02	1.409D-03	8.652D-03	1.829D-02	7.704D-02
2030	5252.89	2.5496	1.1965	6.4571	8.449D 01	1.719D-02	1.425D-03	8.428D-03	1.796D-02	7.934D-02
2040	5251.54	2.5752	1.1989	6.4495	8.691D 01	1.769D-02	1.441D-03	8.214D-03	1.764D-02	8.170D-02
2050	5250.06	2.6024	1.2017	6.4420	8.937D 01	1.820D-02	1.459D-03	8.009D-03	1.734D-02	8.412D-02
2060	5248.43	2.6313	1.2048	6.4345	9.188D 01	1.873D-02	1.478D-03	7.812D-03	1.706D-02	8.661D-02
2070	5246.66	2.6620	1.2082	6.4270	9.444D 01	1.926D-02	1.498D-03	7.624D-03	1.680D-02	8.916D-02
2080	5244.73	2.6946	1.2121	6.4196	9.704D 01	1.982D-02	1.519D-03	7.444D-03	1.655D-02	9.178D-02
2090	5242.64	2.7293	1.2163	6.4122	9.968D 01	2.038D-02	1.541D-03	7.271D-03	1.632D-02	9.447D-02
2100	5240.39	2.7663	1.2210	6.4048	1.024D 02	2.096D-02	1.565D-03	7.106D-03	1.610D-02	9.723D-02
2110	5237.97	2.8056	1.2262	6.3975	1.051D 02	2.155D-02	1.591D-03	6.949D-03	1.590D-02	1.001D-01
2120	5235.37	2.8475	1.2318	6.3902	1.079D 02	2.216D-02	1.618D-03	6.798D-03	1.571D-02	1.030D-01
2130	5232.58	2.8921	1.2379	6.3828	1.107D 02	2.278D-02	1.648D-03	6.654D-03	1.555D-02	1.060D-01
2140	5229.59	2.9398	1.2446	6.3755	1.136D 02	2.342D-02	1.679D-03	6.517D-03	1.539D-02	1.091D-01
2150	5226.40	2.9908	1.2518	6.3682	1.165D 02	2.408D-02	1.713D-03	6.386D-03	1.526D-02	1.122D-01
2160	5223.00	3.0453	1.2597	6.3610	1.195D 02	2.476D-02	1.749D-03	6.262D-03	1.514D-02	1.155D-01
2170	5219.37	3.1037	1.2682	6.3537	1.225D 02	2.545D-02	1.787D-03	6.143D-03	1.503D-02	1.189D-01
2180	5215.51	3.1664	1.2775	6.3464	1.255D 02	2.616D-02	1.829D-03	6.031D-03	1.495D-02	1.223D-01
2190	5211.40	3.2338	1.2876	6.3391	1.287D 02	2.690D-02	1.874D-03	5.925D-03	1.488D-02	1.259D-01

PROPERTIES OF SATURATED SODIUM VAPOR

T (K)	H-H (298) (J/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	P (ATM)	ENH (G/CC)	ALPHA (1/K)	BETA (1/ATM)	BETA (1/ATM)	GAMMA (ATM/K)
2200	5207.02	3.3064	1.2985	6.3317	1.318D 02	2.765D-02	1.922D-03	5.825D-03	1.483D-02	1.296D-01
2210	5202.37	3.3647	1.3103	6.3244	1.350D 02	2.843D-02	1.974D-03	5.731D-03	1.480D-02	1.334D-01
2220	5197.44	3.4694	1.3232	6.3170	1.382D 02	2.923D-02	2.031D-03	5.643D-03	1.480D-02	1.373D-01
2230	5192.19	3.5612	1.3371	6.3096	1.415D 02	3.006D-02	2.093D-03	5.561D-03	1.481D-02	1.413D-01
2240	5186.62	3.6610	1.3524	6.3021	1.449D 02	3.091D-02	2.161D-03	5.485D-03	1.485D-02	1.455D-01
2250	5180.69	3.7698	1.3690	6.2946	1.483D 02	3.179D-02	2.234D-03	5.416D-03	1.491D-02	1.498D-01
2260	5174.40	3.8887	1.3872	6.2870	1.517D 02	3.271D-02	2.315D-03	5.353D-03	1.500D-02	1.543D-01
2270	5167.72	4.0191	1.4072	6.2794	1.552D 02	3.365D-02	2.404D-03	5.297D-03	1.513D-02	1.589D-01
2280	5160.61	4.1628	1.4292	6.2716	1.587D 02	3.463D-02	2.503D-03	5.248D-03	1.529D-02	1.637D-01
2290	5153.04	4.3216	1.4534	6.2638	1.623D 02	3.565D-02	2.612D-03	5.207D-03	1.548D-02	1.687D-01
2300	5144.99	4.4981	1.4802	6.2559	1.659D 02	3.671D-02	2.734D-03	5.174D-03	1.572D-02	1.739D-01
2310	5136.40	4.6550	1.5100	6.2478	1.696D 02	3.782D-02	2.871D-03	5.150D-03	1.601D-02	1.793D-01
2320	5127.24	4.9160	1.5433	6.2396	1.733D 02	3.898D-02	3.025D-03	5.136D-03	1.636D-02	1.849D-01
2330	5117.46	5.1656	1.5806	6.2312	1.771D 02	4.019D-02	3.199D-03	5.133D-03	1.677D-02	1.907D-01
2340	5106.98	5.4494	1.6228	6.2227	1.809D 02	4.146D-02	3.399D-03	5.143D-03	1.727D-02	1.968D-01
2350	5095.75	5.7745	1.6707	6.2139	1.848D 02	4.280D-02	3.629D-03	5.167D-03	1.786D-02	2.032D-01
2360	5083.68	6.1501	1.7255	6.2049	1.887D 02	4.422D-02	3.897D-03	5.208D-03	1.856D-02	2.099D-01
2370	5070.67	6.5886	1.7888	6.1957	1.927D 02	4.572D-02	4.211D-03	5.269D-03	1.941D-02	2.170D-01
2380	5056.62	7.1060	1.8625	6.1861	1.967D 02	4.732D-02	4.584D-03	5.354D-03	2.043D-02	2.244D-01
2390	5041.37	7.7248	1.9494	6.1761	2.007D 02	4.904D-02	5.034D-03	5.469D-03	2.167D-02	2.323D-01
2400	5024.77	8.4761	2.0532	6.1657	2.049D 02	5.089D-02	5.585D-03	5.622D-03	2.321D-02	2.405D-01
2410	5006.58	9.4048	2.1791	6.1547	2.090D 02	5.290D-02	6.273D-03	5.824D-03	2.514D-02	2.495D-01
2420	4986.54	10.5783	2.3345	6.1432	2.132D 02	5.511D-02	7.151D-03	6.092D-03	2.760D-02	2.591D-01
2430	4964.28	12.1010	2.5310	6.1308	2.175D 02	5.755D-02	8.305D-03	6.449D-03	3.083D-02	2.694D-01
2440	4939.31	14.1442	2.7864	6.1175	2.218D 02	6.031D-02	9.876D-03	6.935D-03	3.520D-02	2.805D-01
2450	4910.94	17.0075	3.1310	6.1030	2.261D 02	6.346D-02	1.212D-02	7.618D-03	4.138D-02	2.928D-01

PROPERTIES OF SATURATED SODIUM VAPOR

T (K)	H-H (298) (J/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	P (ATM)	BBO (G/CC)	ALPHA (1/K)	BETA S (1/ATM)	BETA T (1/ATM)	GAMMA (ATM/K)
2460	4878.14	21.2608	3.6192	6.0869	2.3050 02	6.7170-02	1.5510-02	8.6180-03	5.0620-02	3.0640-01
2470	4839.29	28.1243	4.3607	6.0685	2.3500 02	7.1680-02	2.1140-02	1.0180-02	6.5680-02	3.2190-01
2480	4791.50	40.7028	5.6126	6.0467	2.3950 02	7.7480-02	3.1820-02	1.2910-02	9.3600-02	3.4000-01
2490	4728.82	69.4925	6.1509	6.0192	2.4400 02	8.5660-02	5.7510-02	1.8620-02	1.5880-01	3.6220-01
2500	4634.26	179.3444	15.9544	5.9794	2.4860 02	9.9750-02	1.6400-01	3.7180-02	4.1790-01	3.9280-01
2508	4463.31	2166.2349	91.7765	5.9123	2.5230 02	1.3440-01	2.5120 00	2.4380-01	5.7540 00	4.3660-01

PROPERTIES OF SUPERHEATED SODIUM VAPOR

SUPERHEATED VAPOUR PROPERTIES AT T = 400.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	BHO (G/CC)	ALPHA P (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMA V (ATM/K)
9.8692D-10	4.7402D+00	9.9191D-01	6.2303D-01	1.4271D+01	6.9163D-13	2.5264D-03	6.3672D+08	1.0137D+09	2.4923D-12
8.8823D-10	4.7404D+00	9.8315D-01	6.1500D-01	1.4309D+01	6.2244D-13	2.5238D-03	7.0454D+08	1.1263D+09	2.2408D-12
7.8954D-10	4.7406D+00	9.7438D-01	6.0696D-01	1.4352D+01	5.5325D-13	2.5212D-03	7.8925D+08	1.2670D+09	1.9898D-12
6.9085D-10	4.7407D+00	9.6561D-01	5.9892D-01	1.4401D+01	4.8407D-13	2.5185D-03	8.9808D+08	1.4480D+09	1.7394D-12
5.9215D-10	4.7409D+00	9.5684D-01	5.9087D-01	1.4457D+01	4.1490D-13	2.5159D-03	1.0431D+09	1.6892D+09	1.4894D-12
4.9346D-10	4.7410D+00	9.4806D-01	5.8281D-01	1.4523D+01	3.4573D-13	2.5132D-03	1.2461D+09	2.0270D+09	1.2399D-12
3.9477D-10	4.7412D+00	9.3928D-01	5.7475D-01	1.4605D+01	2.7657D-13	2.5106D-03	1.5503D+09	2.5336D+09	9.9093D-13
2.9608D-10	4.7413D+00	9.3049D-01	5.6669D-01	1.4709D+01	2.0742D-13	2.5079D-03	2.0572D+09	3.3780D+09	7.4244D-13
1.9738D-10	4.7415D+00	9.2170D-01	5.5862D-01	1.4856D+01	1.3827D-13	2.5053D-03	3.0708D+09	5.0667D+09	4.9446D-13
9.8692D-11	4.7417D+00	9.1290D-01	5.5055D-01	1.5107D+01	6.9134D-14	2.5026D-03	6.1109D+09	1.0133D+10	2.4698D-13

SUPERHEATED VAPOR PROPERTIES AT T = 500.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHA (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMA (ATM/K)
4.9346D-07	4.6244D+00	1.1842D+00	7.9351D-01	1.2271D+01	2.7717D-10	2.0845D-03	1.3603D+06	2.0311D+06	1.0263D-09
3.9477D-07	4.8260D+00	1.1286D+00	7.4394D-01	1.2355D+01	2.2163D-10	2.0677D-03	1.6724D+06	2.5377D+06	8.1480D-10
2.9608D-07	4.8275D+00	1.0731D+00	6.9406D-01	1.2462D+01	1.6615D-10	2.0509D-03	2.1874D+06	3.3821D+06	6.0640D-10
1.9738D-07	4.8291D+00	1.0171D+00	6.4385D-01	1.2612D+01	1.1071D-10	2.0340D-03	3.2100D+06	5.0708D+06	4.0112D-10
9.8692D-08	4.8307D+00	9.6075D-01	5.9332D-01	1.2855D+01	5.5331D-11	2.0170D-03	6.2603D+06	1.0137D+07	1.9898D-10
8.8823D-08	4.8308D+00	9.5510D-01	5.8825D-01	1.2904D+01	4.9795D-11	2.0153D-03	6.9369D+06	1.1263D+07	1.7894D-10
7.8954D-08	4.8310D+00	9.4945D-01	5.8318D-01	1.2947D+01	4.4260D-11	2.0136D-03	7.7824D+06	1.2670D+07	1.5893D-10
6.9085D-08	4.8311D+00	9.4379D-01	5.7810D-01	1.2995D+01	3.8726D-11	2.0119D-03	8.8692D+06	1.4480D+07	1.3895D-10
5.9215D-08	4.8313D+00	9.3813D-01	5.7302D-01	1.3051D+01	3.3192D-11	2.0102D-03	1.0318D+07	1.6892D+07	1.1900D-10
4.9346D-08	4.8314D+00	9.3247D-01	5.6794D-01	1.3117D+01	2.7659D-11	2.0085D-03	1.2346D+07	2.0270D+07	9.9091D-11
3.9477D-08	4.8316D+00	9.2680D-01	5.6285D-01	1.3198D+01	2.2126D-11	2.0066D-03	1.5387D+07	2.5336D+07	7.9209D-11
2.9608D-08	4.8318D+00	9.2113D-01	5.5776D-01	1.3303D+01	1.6594D-11	2.0051D-03	2.0454D+07	3.3780D+07	5.9359D-11
1.9738D-08	4.8319D+00	9.1546D-01	5.5267D-01	1.3450D+01	1.1062D-11	2.0034D-03	3.0588D+07	5.0667D+07	3.9541D-11
9.8692D-09	4.8321D+00	9.0978D-01	5.4757D-01	1.3701D+01	5.0307D-12	2.0017D-03	6.0987D+07	1.0133D+08	1.9754D-11
8.8823D-09	4.8321D+00	9.0921D-01	5.4706D-01	1.3739D+01	4.9776D-12	2.0015D-03	6.7742D+07	1.1259D+08	1.7778D-11
7.8954D-09	4.8321D+00	9.0865D-01	5.4655D-01	1.3781D+01	4.4245D-12	2.0014D-03	7.6186D+07	1.2666D+08	1.5801D-11
6.9085D-09	4.8321D+00	9.0808D-01	5.4604D-01	1.3830D+01	3.8714D-12	2.0012D-03	8.7043D+07	1.4475D+08	1.3825D-11
5.9215D-09	4.8321D+00	9.0751D-01	5.4553D-01	1.3886D+01	3.3184D-12	2.0010D-03	1.0152D+08	1.6888D+08	1.1849D-11
4.9346D-09	4.8322D+00	9.0694D-01	5.4502D-01	1.3951D+01	2.7653D-12	2.0009D-03	1.2178D+08	2.0265D+08	9.8732D-12
3.9477D-09	4.8322D+00	9.0637D-01	5.4451D-01	1.4032D+01	2.2122D-12	2.0007D-03	1.5218D+08	2.5332D+08	7.8979D-12
2.9608D-09	4.8322D+00	9.0581D-01	5.4400D-01	1.4136D+01	1.6592D-12	2.0005D-03	2.0284D+08	3.3775D+08	5.9230D-12
1.9738D-09	4.8322D+00	9.0524D-01	5.4349D-01	1.4283D+01	1.1061D-12	2.0003D-03	3.0417D+08	5.0663D+08	3.9483D-12
9.8692D-10	4.8322D+00	9.0467D-01	5.4298D-01	1.4534D+01	5.5305D-13	2.0002D-03	6.0815D+08	1.0133D+09	1.9740D-12
8.8823D-10	4.8322D+00	9.0461D-01	5.4293D-01	1.4572D+01	4.9774D-13	2.0002D-03	6.7570D+08	1.1258D+09	1.7766D-12
7.8954D-10	4.8322D+00	9.0456D-01	5.4288D-01	1.4614D+01	4.4244D-13	2.0001D-03	7.6014D+08	1.2666D+09	1.5792D-12
6.9085D-10	4.8322D+00	9.0450D-01	5.4283D-01	1.4653D+01	3.8713D-13	2.0001D-03	8.6870D+08	1.4475D+09	1.3818D-12

SUPERHEATED VAPOR PROPERTIES AT T = 500.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAV (ATM/K)
5.5215D-10	4.8322D+00	9.0444D-01	5.4277D-01	1.4718D+01	3.3183D-13	2.0001D-03	1.0135D+09	1.6888D+09	1.1844D-12
4.9346D-10	4.8322D+00	9.0439D-01	5.4272D-01	1.4784D+01	2.7652D-13	2.0001D-03	1.2161D+09	2.0265D+09	9.8696D-13
3.9477D-10	4.8322D+00	9.0433D-01	5.4267D-01	1.4865D+01	2.2122D-13	2.0001D-03	1.5201D+09	2.5331D+09	7.8956D-13
2.9608D-10	4.8322D+00	9.0427D-01	5.4262D-01	1.4969D+01	1.6591D-13	2.0001D-03	2.0267D+09	3.3775D+09	5.9217D-13
1.9738D-10	4.8322D+00	9.0422D-01	5.4257D-01	1.5116D+01	1.1061D-13	2.0000D-03	3.0400D+09	5.0663D+09	3.9478D-13
9.8692D-11	4.8322D+00	9.0416D-01	5.4252D-01	1.5366D+01	5.5305D-14	2.0000D-03	6.0798D+09	1.0133D+10	1.9739D-13

SUPERHEATED VAPOR PROPERTIES AT T = 600.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHA (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMA (ATM/K)
1.4738D-05	4.9083D+00	1.2625D+00	8.5617D-01	1.1138D+01	9.2574D-09	1.7749D-03	3.4500D+04	5.0874D+04	3.4888D-08
9.8692D-06	4.9154D+00	1.0856D+00	7.0166D-01	1.1399D+01	4.6187D-09	1.7214D-03	4.5627D+04	1.0154D+05	1.6953D-08
8.8823D-06	4.9161D+00	1.0677D+00	6.8596D-01	1.1439D+01	4.1560D-09	1.7159D-03	7.2470D+04	1.1280D+05	1.5213D-08
7.8954D-06	4.9168D+00	1.0497D+00	6.7020D-01	1.1482D+01	3.6934D-09	1.7105D-03	8.1004D+04	1.2687D+05	1.3482D-08
6.9085D-06	4.9176D+00	1.0317D+00	6.5440D-01	1.1532D+01	3.2310D-09	1.7051D-03	9.1955D+04	1.4496D+05	1.1762D-08
5.9215D-06	4.9183D+00	1.0136D+00	6.3856D-01	1.1589D+01	2.7688D-09	1.6996D-03	1.0653D+05	1.6909D+05	1.0052D-08
4.9346D-06	4.9190D+00	9.9545D-01	6.2266D-01	1.1656D+01	2.3069D-09	1.6942D-03	1.2689D+05	2.0287D+05	8.3512D-09
3.9477D-06	4.9197D+00	9.7727D-01	6.0672D-01	1.1737D+01	1.8451D-09	1.6887D-03	1.5740D+05	2.5353D+05	6.6608D-09
2.9608D-06	4.9205D+00	9.5905D-01	5.9073D-01	1.1843D+01	1.3835D-09	1.6832D-03	2.0817D+05	3.3797D+05	4.9804D-09
1.9738D-06	4.9212D+00	9.4078D-01	5.7469D-01	1.1990D+01	9.2214D-10	1.6777D-03	3.0961D+05	5.0684D+05	3.3101D-09
9.8692D-07	4.9219D+00	9.2247D-01	5.5861D-01	1.2242D+01	4.6097D-10	1.6722D-03	4.1371D+05	1.0135D+06	1.6500D-09
8.8823D-07	4.9220D+00	9.2063D-01	5.5699D-01	1.2280D+01	4.1487D-10	1.6716D-03	4.8127D+05	1.1260D+06	1.4845D-09
7.8954D-07	4.9221D+00	9.1880D-01	5.5538D-01	1.2323D+01	3.6876D-10	1.6711D-03	7.6572D+05	1.2668D+06	1.3192D-09
6.9085D-07	4.9221D+00	9.1696D-01	5.5377D-01	1.2371D+01	3.2266D-10	1.6705D-03	8.7430D+05	1.4477D+06	1.1539D-09
5.9215D-07	4.9222D+00	9.1513D-01	5.5216D-01	1.2427D+01	2.7656D-10	1.6700D-03	1.0191D+06	1.6890D+06	9.8876D-10
4.9346D-07	4.9223D+00	9.1329D-01	5.5054D-01	1.2493D+01	2.3046D-10	1.6694D-03	1.2217D+06	2.0267D+06	8.2371D-10
3.9477D-07	4.9223D+00	9.1146D-01	5.4893D-01	1.2574D+01	1.8436D-10	1.6689D-03	1.5257D+06	2.5333D+06	6.5877D-10
2.9608D-07	4.9224D+00	9.0962D-01	5.4732D-01	1.2678D+01	1.3827D-10	1.6683D-03	2.0324D+06	3.3777D+06	4.9392D-10
1.9738D-07	4.9225D+00	9.0778D-01	5.4570D-01	1.2825D+01	9.2178D-11	1.6678D-03	3.0456D+06	5.0665D+06	3.2918D-10
9.8692D-08	4.9226D+00	9.0594D-01	5.4409D-01	1.3076D+01	4.6088D-11	1.6672D-03	4.0855D+06	1.0133D+07	1.6454D-10
8.8823D-08	4.9226D+00	9.0576D-01	5.4393D-01	1.3114D+01	4.1479D-11	1.6672D-03	4.7610D+06	1.1259D+07	1.4808D-10
7.8954D-08	4.9226D+00	9.0558D-01	5.4376D-01	1.3157D+01	3.6870D-11	1.6671D-03	7.6053D+06	1.2666D+07	1.3162D-10
6.9085D-08	4.9226D+00	9.0539D-01	5.4360D-01	1.3205D+01	3.2261D-11	1.6671D-03	8.6915D+06	1.4475D+07	1.1517D-10
5.9215D-08	4.9226D+00	9.0521D-01	5.4344D-01	1.3261D+01	2.7653D-11	1.6670D-03	1.0139D+07	1.6888D+07	9.8711D-11
4.9346D-08	4.9226D+00	9.0502D-01	5.4328D-01	1.3327D+01	2.3044D-11	1.6669D-03	1.2165D+07	2.0265D+07	8.2256D-11
3.9477D-08	4.9226D+00	9.0484D-01	5.4312D-01	1.3407D+01	1.8435D-11	1.6669D-03	1.5205D+07	2.5331D+07	6.5803D-11

SUPERHEATED VAPOR PROPERTIES AT T = 600.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAV (ATM/K)
2.9608D-08	4.9226D+00	9.0466D-01	5.4296D-01	1.3511D+01	1.3026D-11	1.6668D-03	2.0271D+07	3.3775D+07	4.9351D-11
1.9738D-08	4.9226D+00	9.0447D-01	5.4280D-01	1.3658D+01	9.2175D-12	1.6668D-03	3.0404D+07	5.0663D+07	3.2899D-11
9.8692D-09	4.9226D+00	9.0429D-01	5.4263D-01	1.3909D+01	4.6087D-12	1.6667D-03	6.0802D+07	1.0133D+08	1.6449D-11
8.8823D-09	4.9226D+00	9.0427D-01	5.4262D-01	1.3947D+01	4.1478D-12	1.6667D-03	6.7557D+07	1.1258D+08	1.4804D-11
7.8954D-09	4.9226D+00	9.0425D-01	5.4260D-01	1.3989D+01	3.6870D-12	1.6667D-03	7.6001D+07	1.2666D+08	1.3159D-11
6.9085D-09	4.9226D+00	9.0423D-01	5.4258D-01	1.4038D+01	3.2261D-12	1.6667D-03	8.6857D+07	1.4475D+08	1.1514D-11
5.9215D-09	4.9226D+00	9.0422D-01	5.4257D-01	1.4093D+01	2.7652D-12	1.6667D-03	1.0133D+08	1.6888D+08	9.8694D-12
4.9346D-09	4.9226D+00	9.0420D-01	5.4255D-01	1.4159D+01	2.3044D-12	1.6667D-03	1.2160D+08	2.0265D+08	8.2245D-12
3.9477D-09	4.9226D+00	9.0418D-01	5.4254D-01	1.4240D+01	1.8435D-12	1.6667D-03	1.5200D+08	2.5331D+08	6.5796D-12
2.9608D-09	4.9226D+00	9.0416D-01	5.4252D-01	1.4344D+01	1.3826D-12	1.6667D-03	2.0266D+08	3.3775D+08	4.9347D-12
1.9738D-09	4.9226D+00	9.0414D-01	5.4250D-01	1.4491D+01	9.2174D-13	1.6667D-03	3.0399D+08	5.0663D+08	3.2898D-12
9.8692D-10	4.9226D+00	9.0412D-01	5.4249D-01	1.4741D+01	4.6087D-13	1.6667D-03	6.0796D+08	1.0132D+09	1.6449D-12
8.8823D-10	4.9226D+00	9.0412D-01	5.4249D-01	1.4779D+01	4.1478D-13	1.6667D-03	6.7552D+08	1.1258D+09	1.4804D-12
7.8954D-10	4.9226D+00	9.0412D-01	5.4248D-01	1.4822D+01	3.6870D-13	1.6667D-03	7.5995D+08	1.2666D+09	1.3159D-12
6.9085D-10	4.9226D+00	9.0412D-01	5.4248D-01	1.4870D+01	3.2261D-13	1.6667D-03	8.6852D+08	1.4475D+09	1.1514D-12
5.9215D-10	4.9226D+00	9.0412D-01	5.4248D-01	1.4926D+01	2.7652D-13	1.6667D-03	1.0133D+09	1.6887D+09	9.8693D-13
4.9346D-10	4.9226D+00	9.0411D-01	5.4248D-01	1.4992D+01	2.3044D-13	1.6667D-03	1.2159D+09	2.0265D+09	8.2244D-13
3.9477D-10	4.9226D+00	9.0411D-01	5.4248D-01	1.5073D+01	1.8435D-13	1.6667D-03	1.5199D+09	2.5331D+09	6.5795D-13
2.9608D-10	4.9226D+00	9.0411D-01	5.4248D-01	1.5177D+01	1.3826D-13	1.6667D-03	2.0265D+09	3.3775D+09	4.9346D-13
1.9738D-10	4.9226D+00	9.0411D-01	5.4247D-01	1.5323D+01	9.2174D-14	1.6667D-03	3.0398D+09	5.0662D+09	3.2897D-13
9.8692D-11	4.9226D+00	9.0411D-01	5.4247D-01	1.5574D+01	4.6087D-14	1.6667D-03	6.0796D+09	1.0132D+10	1.6449D-13

1.27

SUPERHEATED VAPOR PROPERTIES AT T = 700.0K

P (ATM)	μ_a (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHA P (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMA V (ATM/K)
4.9346D-04	4.9739D+00	1.6080D+00	1.1413D+00	1.0112D+01	1.9987D-07	1.6427D-03	1.4546D+03	2.0494D+03	8.0155D-07
3.9477D-04	4.9815D+00	1.4751D+00	1.0292D+00	1.0203D+01	1.5952D-07	1.6019D-03	1.7836D+03	2.5563D+03	6.2663D-07
2.9608D-04	4.9892D+00	1.3384D+00	9.1347D-01	1.0317D+01	1.1936D-07	1.5601D-03	2.3212D+03	3.4009D+03	4.5872D-07
1.9738D-04	4.9970D+00	1.1977D+00	7.9388D-01	1.0474D+01	7.9388D-08	1.5173D-03	3.3737D+03	5.0900D+03	2.9809D-07
9.8692D-05	5.0050D+00	1.0530D+00	6.7027D-01	1.0735D+01	3.9599D-08	1.4735D-03	4.4647D+03	1.0156D+04	1.4507D-07
8.8823D-05	5.0058D+00	1.0383D+00	6.5768D-01	1.0775D+01	3.5631D-08	1.4690D-03	7.1463D+03	1.1282D+04	1.3020D-07
7.8954D-05	5.0066D+00	1.0236D+00	6.4505D-01	1.0818D+01	3.1664D-08	1.4646D-03	7.9968D+03	1.2690D+04	1.1541D-07
6.9085D-05	5.0074D+00	1.0088D+00	6.3238D-01	1.0868D+01	2.7699D-08	1.4601D-03	9.0889D+03	1.4499D+04	1.0070D-07
5.9215D-05	5.0082D+00	9.9398D-01	6.1967D-01	1.0924D+01	2.3736D-08	1.4556D-03	1.0543D+04	1.6912D+04	8.6073D-08
4.9346D-05	5.0090D+00	9.7911D-01	6.0691D-01	1.0991D+01	1.9776D-08	1.4511D-03	1.2576D+04	2.0289D+04	7.1523D-08
3.9477D-05	5.0098D+00	9.6420D-01	5.9411D-01	1.1073D+01	1.5817D-08	1.4467D-03	1.5623D+04	2.5355D+04	5.7055D-08
2.9608D-05	5.0106D+00	9.4924D-01	5.8120D-01	1.1178D+01	1.1860D-08	1.4421D-03	2.0697D+04	3.3799D+04	4.2668D-08
1.9738D-05	5.0114D+00	9.3424D-01	5.6838D-01	1.1326D+01	7.9045D-09	1.4376D-03	3.0837D+04	5.0687D+04	2.8363D-08
9.8692D-06	5.0122D+00	9.1920D-01	5.5545D-01	1.1578D+01	3.9513D-09	1.4331D-03	6.1243D+04	1.0135D+05	1.4140D-08
8.8823D-06	5.0123D+00	9.1769D-01	5.5415D-01	1.1616D+01	3.5561D-09	1.4327D-03	6.7999D+04	1.1261D+05	1.2723D-08
7.8954D-06	5.0124D+00	9.1618D-01	5.5286D-01	1.1659D+01	3.1609D-09	1.4322D-03	7.6444D+04	1.2668D+05	1.1306D-08
6.9085D-06	5.0125D+00	9.1467D-01	5.5156D-01	1.1707D+01	2.7657D-09	1.4317D-03	8.7301D+04	1.4477D+05	9.8895D-09
5.9215D-06	5.0126D+00	9.1317D-01	5.5026D-01	1.1763D+01	2.3705D-09	1.4313D-03	1.0178D+05	1.6890D+05	8.4743D-09
4.9346D-06	5.0126D+00	9.1166D-01	5.4897D-01	1.1829D+01	1.9754D-09	1.4308D-03	1.2204D+05	2.0267D+05	7.0598D-09
3.9477D-06	5.0127D+00	9.1015D-01	5.4767D-01	1.1910D+01	1.5803D-09	1.4304D-03	1.5244D+05	2.5334D+05	5.6462D-09
2.9608D-06	5.0128D+00	9.0864D-01	5.4637D-01	1.2014D+01	1.1852D-09	1.4299D-03	2.0311D+05	3.3777D+05	4.334D-09
1.9738D-06	5.0129D+00	9.0713D-01	5.4507D-01	1.2161D+01	7.9010D-10	1.4295D-03	3.0443D+05	5.0665D+05	2.914D-09
9.8692D-07	5.0130D+00	9.0562D-01	5.4377D-01	1.2411D+01	3.9504D-10	1.4290D-03	6.0841D+05	1.0133D+06	1.4103D-09
8.8823D-07	5.0130D+00	9.0547D-01	5.4364D-01	1.2449D+01	3.5554D-10	1.4290D-03	6.7597D+05	1.1259D+06	1.2692D-09
7.8954D-07	5.0130D+00	9.0532D-01	5.4351D-01	1.2492D+01	3.1603D-10	1.4289D-03	7.6040D+05	1.2666D+06	1.1282D-09
6.9085D-07	5.0130D+00	9.0517D-01	5.4338D-01	1.2540D+01	2.7653D-10	1.4289D-03	8.6897D+05	1.4475D+06	9.8713D-10

SUPERHEATED VAPOR PROPERTIES AT T = 700.0K

P (ATM)	H-P (298) (J/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHA-P (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMA-P (ATM/K)
5.9215D-07	5.0130D+00	9.0501D-01	5.4325D-01	1.2596D+01	2.3702D-10	1.4288D-03	1.0137D+06	1.6888D+06	8.4608D-10
4.9346D-07	5.0130D+00	9.0486D-01	5.4312D-01	1.2662D+01	1.9752D-10	1.4288D-03	1.2164D+06	2.0265D+06	7.0505D-10
3.9477D-07	5.0130D+00	9.0471D-01	5.4299D-01	1.2743D+01	1.5801D-10	1.4288D-03	1.5204D+06	2.5331D+06	5.6402D-10
2.9608D-07	5.0130D+00	9.0456D-01	5.4287D-01	1.2847D+01	1.1851D-10	1.4287D-03	2.0270D+06	3.3775D+06	4.2300D-10
1.9738D-07	5.0130D+00	9.0441D-01	5.4274D-01	1.2993D+01	7.9007D-11	1.4287D-03	3.0403D+06	5.0663D+06	2.8199D-10
9.8692D-08	5.0130D+00	9.0426D-01	5.4260D-01	1.3244D+01	3.9503D-11	1.4286D-03	6.0801D+06	1.0133D+07	1.4099D-10
8.8823D-08	5.0130D+00	9.0424D-01	5.4259D-01	1.3282D+01	3.5553D-11	1.4286D-03	6.7556D+06	1.1258D+07	1.2689D-10
7.8954D-08	5.0130D+00	9.0423D-01	5.4258D-01	1.3325D+01	3.1603D-11	1.4286D-03	7.6000D+06	1.2666D+07	1.1279D-10
6.9085D-08	5.0130D+00	9.0421D-01	5.4257D-01	1.3373D+01	2.7652D-11	1.4286D-03	8.6856D+06	1.4475D+07	9.8694D-11
5.9215D-08	5.0130D+00	9.0420D-01	5.4255D-01	1.3429D+01	2.3702D-11	1.4286D-03	1.0133D+07	1.6888D+07	8.4595D-11
4.9346D-08	5.0130D+00	9.0418D-01	5.4254D-01	1.3495D+01	1.9752D-11	1.4286D-03	1.2160D+07	2.0265D+07	7.0496D-11
3.9477D-08	5.0130D+00	9.0417D-01	5.4253D-01	1.3575D+01	1.5801D-11	1.4286D-03	1.5199D+07	2.5331D+07	5.6396D-11
2.9608D-08	5.0130D+00	9.0415D-01	5.4251D-01	1.3679D+01	1.1851D-11	1.4286D-03	2.0266D+07	3.3775D+07	4.2297D-11
1.9738D-08	5.0130D+00	9.0414D-01	5.4250D-01	1.3826D+01	7.9006D-12	1.4286D-03	3.0398D+07	5.0663D+07	2.8198D-11
9.8692D-09	5.0130D+00	9.0412D-01	5.4249D-01	1.4077D+01	3.9503D-12	1.4286D-03	6.0796D+07	1.0132D+08	1.4099D-11
8.8823D-09	5.0130D+00	9.0412D-01	5.4249D-01	1.4115D+01	3.5553D-12	1.4286D-03	6.7552D+07	1.1258D+08	1.2689D-11
7.8954D-09	5.0130D+00	9.0412D-01	5.4248D-01	1.4157D+01	3.1603D-12	1.4286D-03	7.5995D+07	1.2666D+08	1.1279D-11
6.9085D-09	5.0130D+00	9.0412D-01	5.4248D-01	1.4206D+01	2.7652D-12	1.4286D-03	8.6852D+07	1.4475D+08	9.8693D-12
5.9215D-09	5.0130D+00	9.0412D-01	5.4248D-01	1.4262D+01	2.3702D-12	1.4286D-03	1.0133D+08	1.6887D+08	8.4594D-12
4.9346D-09	5.0130D+00	9.0412D-01	5.4248D-01	1.4327D+01	1.9752D-12	1.4286D-03	1.2159D+08	2.0265D+08	7.0495D-12
3.9477D-09	5.0130D+00	9.0411D-01	5.4248D-01	1.4408D+01	1.5801D-12	1.4286D-03	1.5199D+08	2.5331D+08	5.6396D-12
2.9608D-09	5.0131D+00	9.0411D-01	5.4248D-01	1.4512D+01	1.1851D-12	1.4286D-03	2.0265D+08	3.3775D+08	4.2297D-12
1.9738D-09	5.0131D+00	9.0411D-01	5.4248D-01	1.4659D+01	7.9006D-13	1.4286D-03	3.0398D+08	5.0662D+08	2.8198D-12
9.8692D-10	5.0131D+00	9.0411D-01	5.4248D-01	1.4909D+01	3.9503D-13	1.4286D-03	6.0796D+08	1.0132D+09	1.4099D-12
8.8823D-10	5.0131D+00	9.0411D-01	5.4248D-01	1.4948D+01	3.5553D-13	1.4286D-03	6.7551D+08	1.1258D+09	1.2689D-12
7.8954D-10	5.0131D+00	9.0411D-01	5.4248D-01	1.4990D+01	3.1603D-13	1.4286D-03	7.5995D+08	1.2666D+09	1.1279D-12

SUPERHEATED VAPOR PROPERTIES AT T = 700.0K

P (ATM)	H-B (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	BRO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAV (ATM/K)
6.9085D-10	5.0131D+00	9.0411D-01	5.4248D-01	1.5038D+01	2.7652D-13	1.4286D-03	8.6851D+08	1.4475D+09	9.8692D-13
5.9215D-10	5.0131D+00	9.0411D-01	5.4248D-01	1.5094D+01	2.3702D-13	1.4286D-03	1.0133D+09	1.6887D+09	8.4593D-13
4.9346D-10	5.0131D+00	9.0411D-01	5.4247D-01	1.5160D+01	1.9752D-13	1.4286D-03	1.2159D+09	2.0265D+09	7.0495D-13
3.9477D-10	5.0131D+00	9.0411D-01	5.4247D-01	1.5241D+01	1.5801D-13	1.4286D-03	1.5199D+09	2.5331D+09	5.6396D-13
2.9608D-10	5.0131D+00	9.0411D-01	5.4247D-01	1.5345D+01	1.1851D-13	1.4286D-03	2.0265D+09	3.3775D+09	4.2297D-13
1.9738D-10	5.0131D+00	9.0411D-01	5.4247D-01	1.5492D+01	7.9006D-14	1.4286D-03	3.0398D+09	5.0662D+09	2.8198D-13
9.8692D-11	5.0131D+00	9.0411D-01	5.4247D-01	1.5742D+01	3.9503D-14	1.4286D-03	6.0796D+09	1.0132D+10	1.4099D-13

SUPERHEATED VAPOUR PROPERTIES AT T = 800.0K

P (ATM)	H-B (298) (KJ/G)	Cl (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAV (ATM/K)
4.9346D-03	5.0303D+00	1.8824D+00	1.3498D+00	9.3831D+00	1.7671D-06	1.5507D-03	1.4834D+02	2.0686D+02	7.4962D-06
3.9477D-03	5.0441D+00	1.7072D+00	1.2076D+00	9.4795D+00	1.4077D-06	1.4958D-03	1.8223D+02	2.5761D+02	5.8062D-06
2.9608D-03	5.0584D+00	1.5224D+00	1.0566D+00	9.5997D+00	1.0512D-06	1.4384D-03	2.3745D+02	3.4215D+02	4.2041D-06
1.9738D-03	5.0730D+00	1.3275D+00	8.9587D-01	9.7630D+00	6.9769D-07	1.3784D-03	3.4493D+02	5.1112D+02	2.6969D-06
9.8692D-04	5.0880D+00	1.1216D+00	7.2481D-01	1.0031D+01	3.4726D-07	1.3157D-03	4.5773D+02	1.0178D+03	1.2926D-06
8.8823D-04	5.0895D+00	1.1004D+00	7.0710D-01	1.0071D+01	3.1239D-07	1.3093D-03	7.2638D+02	1.1304D+03	1.1582D-06
7.8954D-04	5.0911D+00	1.0791D+00	6.8927D-01	1.0115D+01	2.7755D-07	1.3028D-03	8.1197D+02	1.2712D+03	1.0249D-06
6.9085D-04	5.0926D+00	1.0577D+00	6.7134D-01	1.0165D+01	2.4275D-07	1.2963D-03	9.2173D+02	1.4521D+03	8.9269D-07
5.9215D-04	5.0941D+00	1.0361D+00	6.5338D-01	1.0223D+01	2.0797D-07	1.2898D-03	1.0677D+03	1.6934D+03	7.6166D-07
4.9346D-04	5.0957D+00	1.0144D+00	6.3511D-01	1.0290D+01	1.7323D-07	1.2832D-03	1.2717D+03	2.0311D+03	6.3177D-07
3.9477D-04	5.0972D+00	9.9258D-01	6.1682D-01	1.0373D+01	1.3852D-07	1.2766D-03	1.5771D+03	2.5378D+03	5.0305D-07
2.9608D-04	5.0988D+00	9.7065D-01	5.9842D-01	1.0478D+01	1.0384D-07	1.2700D-03	2.6851D+03	3.3822D+03	3.7551D-07
1.9738D-04	5.1003D+00	9.4859D-01	5.7989D-01	1.0627D+01	6.9196D-08	1.2634D-03	3.0999D+03	5.0709D+03	2.4914D-07
9.8692D-05	5.1019D+00	9.2641D-01	5.6124D-01	1.0879D+01	3.4582D-08	1.2567D-03	6.1414D+03	1.0137D+04	1.2397D-07
8.8823D-05	5.1021D+00	9.2419D-01	5.5937D-01	1.0918D+01	3.1122D-08	1.2560D-03	6.8170D+03	1.1263D+04	1.1152D-07
7.8954D-05	5.1022D+00	9.2196D-01	5.5750D-01	1.0960D+01	2.7663D-08	1.2554D-03	7.6616D+03	1.2670D+04	9.9079D-08
6.9085D-05	5.1024D+00	9.1974D-01	5.5563D-01	1.1009D+01	2.4204D-08	1.2547D-03	8.7474D+03	1.4480D+04	8.6652D-08
5.9215D-05	5.1025D+00	9.1751D-01	5.5375D-01	1.1065D+01	2.0745D-08	1.2540D-03	1.0195D+04	1.6892D+04	7.4237D-08
4.9346D-05	5.1027D+00	9.1528D-01	5.5188D-01	1.1131D+01	1.7287D-08	1.2534D-03	1.2222D+04	2.0270D+04	6.1834D-08
3.9477D-05	5.1028D+00	9.1305D-01	5.5000D-01	1.1212D+01	1.3829D-08	1.2527D-03	1.5262D+04	2.5336D+04	4.9443D-08
2.9608D-05	5.1030D+00	9.1081D-01	5.4812D-01	1.1316D+01	1.0371D-08	1.2520D-03	2.0328D+04	3.3780D+04	3.7064D-08
1.9738D-05	5.1031D+00	9.0858D-01	5.4624D-01	1.1463D+01	6.9137D-09	1.2513D-03	3.0461D+04	5.0667D+04	2.4697D-08
9.8692D-06	5.1033D+00	9.0635D-01	5.4436D-01	1.1714D+01	3.4567D-09	1.2507D-03	6.0859D+04	1.0133D+05	1.2343D-08
8.8823D-06	5.1033D+00	9.0612D-01	5.4417D-01	1.1752D+01	3.1110D-09	1.2506D-03	6.7615D+04	1.1259D+05	1.1108D-08
7.8954D-06	5.1033D+00	9.0590D-01	5.4398D-01	1.1794D+01	2.7653D-09	1.2505D-03	7.6058D+04	1.2666D+05	9.8731D-09
6.9085D-06	5.1034D+00	9.0568D-01	5.4379D-01	1.1843D+01	2.4197D-09	1.2505D-03	8.6915D+04	1.4475D+05	8.6386D-09

SUPERHEATED VAPOR PROPERTIES AT T = 800.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	HBO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAV (ATM/K)
5.9215D-06	5.1034D+00	9.0545D-01	5.4361D-01	1.1898D+01	2.0740D-09	1.2504D-03	1.0139D+05	1.6888D+05	7.4041D-09
4.9346D-06	5.1034D+00	9.0523D-01	5.4342D-01	1.1964D+01	1.7283D-09	1.2503D-03	1.2166D+05	2.0255D+05	6.1698D-09
3.9477D-06	5.1034D+00	9.0501D-01	5.4323D-01	1.2045D+01	1.3826D-09	1.2503D-03	1.5205D+05	2.5332D+05	4.9356D-09
2.9608D-06	5.1034D+00	9.0478D-01	5.4304D-01	1.2149D+01	1.0570D-09	1.2502D-03	2.0272D+05	3.3775D+05	3.7015D-09
1.9738D-06	5.1034D+00	9.0456D-01	5.4285D-01	1.2296D+01	6.9131D-10	1.2501D-03	3.0404D+05	5.0663D+05	2.4676D-09
9.8692D-07	5.1034D+00	9.0433D-01	5.4267D-01	1.2546D+01	3.4565D-10	1.2501D-03	6.0803D+05	1.0133D+06	1.2337D-09
8.8823D-07	5.1034D+00	9.0431D-01	5.4265D-01	1.2585D+01	3.1109D-10	1.2501D-03	6.7558D+05	1.1258D+06	1.1103D-09
7.8954D-07	5.1034D+00	9.0429D-01	5.4263D-01	1.2627D+01	2.7652D-10	1.2501D-03	7.6002D+05	1.2666D+06	9.8696D-10
6.9085D-07	5.1035D+00	9.0427D-01	5.4261D-01	1.2675D+01	2.4196D-10	1.2500D-03	8.6859D+05	1.4475D+06	8.6359D-10
5.9215D-07	5.1035D+00	9.0424D-01	5.4259D-01	1.2731D+01	2.0739D-10	1.2500D-03	1.0133D+06	1.6888D+06	7.4021D-10
4.9346D-07	5.1035D+00	9.0422D-01	5.4257D-01	1.2797D+01	1.7283D-10	1.2500D-03	1.2160D+06	2.0265D+06	6.1684D-10
3.9477D-07	5.1035D+00	9.0420D-01	5.4255D-01	1.2878D+01	1.3826D-10	1.2500D-03	1.5200D+06	2.5331D+06	4.9347D-10
2.9608D-07	5.1035D+00	9.0418D-01	5.4253D-01	1.2982D+01	1.0370D-10	1.2500D-03	2.0266D+06	3.3775D+06	3.7010D-10
1.9738D-07	5.1035D+00	9.0416D-01	5.4251D-01	1.3129D+01	6.9131D-11	1.2500D-03	3.0399D+06	5.0663D+06	2.4673D-10
9.8692D-08	5.1035D+00	9.0413D-01	5.4250D-01	1.3379D+01	3.4565D-11	1.2500D-03	6.0797D+06	1.0133D+07	1.2337D-10
8.8823D-08	5.1035D+00	9.0413D-01	5.4249D-01	1.3417D+01	3.1109D-11	1.2500D-03	6.7552D+06	1.1258D+07	1.1103D-10
7.8954D-08	5.1035D+00	9.0413D-01	5.4249D-01	1.3460D+01	2.7652D-11	1.2500D-03	7.5996D+06	1.2666D+07	9.8693D-11
6.9085D-08	5.1035D+00	9.0413D-01	5.4249D-01	1.3508D+01	2.4196D-11	1.2500D-03	8.6852D+06	1.4475D+07	8.6356D-11
5.9215D-08	5.1035D+00	9.0412D-01	5.4249D-01	1.3564D+01	2.0739D-11	1.2500D-03	1.0133D+07	1.6888D+07	7.4019D-11
4.9346D-08	5.1035D+00	9.0412D-01	5.4249D-01	1.3630D+01	1.7283D-11	1.2500D-03	1.2159D+07	2.0265D+07	6.1683D-11
3.9477D-08	5.1035D+00	9.0412D-01	5.4248D-01	1.3711D+01	1.3826D-11	1.2500D-03	1.5199D+07	2.5331D+07	4.9346D-11
2.9608D-08	5.1035D+00	9.0412D-01	5.4248D-01	1.3815D+01	1.0370D-11	1.2500D-03	2.0265D+07	3.3775D+07	3.7010D-11
1.9738D-08	5.1035D+00	9.0411D-01	5.4248D-01	1.3961D+01	6.9131D-12	1.2500D-03	3.0398D+07	5.0662D+07	2.4673D-11
9.8692D-09	5.1035D+00	9.0411D-01	5.4248D-01	1.4212D+01	3.4565D-12	1.2500D-03	6.0796D+07	1.0132D+08	1.2337D-11
8.8823D-09	5.1035D+00	9.0411D-01	5.4248D-01	1.4250D+01	3.1109D-12	1.2500D-03	6.7551D+07	1.1258D+08	1.1103D-11
7.8954D-09	5.1035D+00	9.0411D-01	5.4248D-01	1.4293D+01	2.7652D-12	1.2500D-03	7.5995D+07	1.2666D+08	9.8692D-12

SUPERHEATED VAPOR PROPERTIES AT T = 800.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHA P (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GABBA V (ATM/K)
6.9085D-09	5.1035D+00	9.0411D-01	5.4248D-01	1.4341D+01	2.4196D-12	1.2500D-03	8.6852D+07	1.4475D+08	8.6356D-12
5.9215D-09	5.1035D+00	9.0411D-01	5.4248D-01	1.4397D+01	2.0739D-12	1.2500D-03	1.0133D+08	1.6887D+08	7.4019D-12
4.9346D-09	5.1035D+00	9.0411D-01	5.4248D-01	1.4463D+01	1.7283D-12	1.2500D-03	1.2159D+08	2.0265D+08	6.1683D-12
3.9477D-09	5.1035D+00	9.0411D-01	5.4248D-01	1.4543D+01	1.3826D-12	1.2500D-03	1.5199D+08	2.5331D+08	4.9346D-12
2.9608D-09	5.1035D+00	9.0411D-01	5.4248D-01	1.4647D+01	1.0370D-12	1.2500D-03	2.0265D+08	3.3775D+08	3.7010D-12
1.9738D-09	5.1035D+00	9.0411D-01	5.4248D-01	1.4794D+01	6.9131D-13	1.2500D-03	3.0398D+08	5.0662D+08	2.4673D-12
9.8692D-10	5.1035D+00	9.0411D-01	5.4248D-01	1.5045D+01	3.4565D-13	1.2500D-03	6.0796D+08	1.0132D+09	1.2337D-12
8.8823D-10	5.1035D+00	9.0411D-01	5.4248D-01	1.5083D+01	3.1109D-13	1.2500D-03	6.7551D+08	1.1258D+09	1.1103D-12
7.8954D-10	5.1035D+00	9.0411D-01	5.4248D-01	1.5125D+01	2.7652E-13	1.2500D-03	7.5995D+08	1.2666D+09	9.8692D-13
6.9085D-10	5.1035D+00	9.0411D-01	5.4248D-01	1.5174D+01	2.4196D-13	1.2500D-03	8.6852D+08	1.4475D+09	8.6356D-13
5.9215D-10	5.1035D+00	9.0411D-01	5.4248D-01	1.5229D+01	2.0739D-13	1.2500D-03	1.0133D+09	1.6887D+09	7.4019D-13
4.9346D-10	5.1035D+00	9.0411D-01	5.4248D-01	1.5295D+01	1.7283D-13	1.2500D-03	1.2159D+09	2.0265D+09	6.1683D-13
3.9477D-10	5.1035D+00	9.0411D-01	5.4248D-01	1.5376D+01	1.3826D-13	1.2500D-03	1.5199D+09	2.5331D+09	4.9346D-13
2.9608D-10	5.1035D+00	9.0411D-01	5.4248D-01	1.5480D+01	1.0370D-13	1.2500D-03	2.0265D+09	3.3775D+09	3.7010D-13
1.9738D-10	5.1035D+00	9.0411D-01	5.4248D-01	1.5627D+01	6.9131D-14	1.2500D-03	3.0398D+09	5.0662D+09	2.4673D-13
9.8692D-11	5.1035D+00	9.0411D-01	5.4248D-01	1.5877D+01	3.4565D-14	1.2500D-03	6.0796D+09	1.0132D+10	1.2337D-13

SUPERHEATED VAPOR PROPERTIES AT T = 900.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAV (ATM/K)
1.9738D-02	5.1130D+00	1.7530D+00	1.2271D+00	8.9924D+00	6.2978D-06	1.3726D-03	3.6276D+01	5.1823D+01	2.6486D-05
9.8692D-03	5.1520D+00	1.3603D+00	9.1409D-01	9.2818D+00	3.1116D-06	1.2500D-03	6.8917D+01	1.0256D+02	1.2188D-05
8.8823D-03	5.1560D+00	1.3177D+00	8.7978D-01	9.3240D+00	2.7970D-06	1.2368D-03	7.5994D+01	1.1382D+02	1.0866D-05
7.8954D-03	5.1601D+00	1.2745D+00	8.4488D-01	9.3707D+00	2.4832D-06	1.2236D-03	8.4787D+01	1.2790D+02	9.5664D-06
6.9085D-03	5.1642D+00	1.2307D+00	8.0937D-01	9.4231D+00	2.1701D-06	1.2101D-03	9.6023D+01	1.4600D+02	8.2883D-06
5.9215D-03	5.1683D+00	1.1861D+00	7.7323D-01	9.4829D+00	1.8577D-06	1.1965D-03	1.1091D+02	1.7014D+02	7.0327D-06
4.9346D-03	5.1725D+00	1.1409D+00	7.3645D-01	9.5530D+00	1.5461D-06	1.1827D-03	1.3163D+02	2.0392D+02	5.8000D-06
3.9477D-03	5.1767D+00	1.0950D+00	6.9903D-01	9.6380D+00	1.2353D-06	1.1688D-03	1.6253D+02	2.5459D+02	4.5908D-06
2.9608D-03	5.1810D+00	1.0484D+00	6.6093D-01	9.7462D+00	9.2533D-07	1.1546D-03	2.1374D+02	3.3904D+02	3.4056D-06
1.9738D-03	5.1852D+00	1.0010D+00	6.2215D-01	9.8971D+00	6.1609D-07	1.1403D-03	3.1568D+02	5.0792D+02	2.2451D-06
9.8692D-04	5.1895D+00	9.5295D-01	5.8247D-01	1.0152D+01	3.0765D-07	1.1258D-03	6.2034D+02	1.0146D+03	1.1097D-06
8.8823D-04	5.1900D+00	9.4810D-01	5.7868D-01	1.0191D+01	2.7685D-07	1.1243D-03	6.8796D+02	1.1271D+03	9.9752D-07
7.8954D-04	5.1904D+00	9.4324D-01	5.7469D-01	1.0234D+01	2.4605D-07	1.1229D-03	7.7248D+02	1.2679D+03	8.8565D-07
6.9085D-04	5.1908D+00	9.3838D-01	5.7069D-01	1.0282D+01	2.1527D-07	1.1214D-03	8.8112D+02	1.4488D+03	7.7403D-07
5.9215D-04	5.1913D+00	9.3350D-01	5.6668D-01	1.0339D+01	1.8449D-07	1.1200D-03	1.0259D+03	1.6901D+03	6.6267D-07
4.9346D-04	5.1917D+00	9.2862D-01	5.6266D-01	1.0405D+01	1.5372D-07	1.1185D-03	1.2287D+03	2.0278D+03	5.5157D-07
3.9477D-04	5.1921D+00	9.2374D-01	5.5864D-01	1.0486D+01	1.2296D-07	1.1170D-03	1.5327D+03	2.5344D+03	4.4073D-07
2.9608D-04	5.1926D+00	9.1884D-01	5.5461D-01	1.0591D+01	9.2210D-08	1.1155D-03	2.0394D+03	3.3788D+03	3.3016D-07
1.9738D-04	5.1930D+00	9.1394D-01	5.5057D-01	1.0738D+01	6.1466D-08	1.1141D-03	3.0528D+03	5.0676D+03	2.1984D-07
9.8692D-05	5.1934D+00	9.0903D-01	5.4653D-01	1.0989D+01	3.0729D-08	1.1126D-03	6.0927D+03	1.0134D+04	1.0979D-07
8.8823D-05	5.1935D+00	9.0854D-01	5.4612D-01	1.1027D+01	2.7656D-08	1.1124D-03	6.7682D+03	1.1260D+04	9.8799D-08
7.8954D-05	5.1935D+00	9.0805D-01	5.4572D-01	1.1070D+01	2.4582D-08	1.1123D-03	7.6126D+03	1.2667D+04	8.7811D-08
6.9085D-05	5.1936D+00	9.0755D-01	5.4531D-01	1.1118D+01	2.1509D-08	1.1121D-03	8.6983D+03	1.4476D+04	7.6825D-08
5.9215D-05	5.1936D+00	9.0706D-01	5.4491D-01	1.1174D+01	1.8436D-08	1.1120D-03	1.0146D+04	1.6889D+04	6.5842D-08
4.9346D-05	5.1937D+00	9.0657D-01	5.4450D-01	1.1240D+01	1.5363D-08	1.1119D-03	1.2172D+04	2.0266D+04	5.4862D-08
3.9477D-05	5.1937D+00	9.0608D-01	5.4410D-01	1.1320D+01	1.2291D-08	1.1117D-03	1.5212D+04	2.5333D+04	4.3884D-08

SUPERHEATED VAPOR PROPERTIES AT T = 900.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAV (ATM/K)
2.9608D-05	5.1937D+00	9.0559D-01	5.4369D-01	1.1424D+01	9.2178D-09	1.1116D-03	2.0279D+04	3.3776D+04	3.2909D-08
1.9738D-05	5.1938D+00	9.0510D-01	5.4329D-01	1.1571D+01	6.1451D-09	1.1114D-03	3.0411D+04	5.0664D+04	2.1937D-08
9.8692D-06	5.1938D+00	9.0460D-01	5.4288D-01	1.1822D+01	3.0725D-09	1.1113D-03	6.0809D+04	1.0133D+05	1.0967D-08
8.8823D-06	5.1938D+00	9.0455D-01	5.4284D-01	1.1860D+01	2.7653D-09	1.1112D-03	6.7564D+04	1.1258D+05	9.8703D-09
7.8954D-06	5.1938D+00	9.0450D-01	5.4280D-01	1.1903D+01	2.4580D-09	1.1112D-03	7.6008D+04	1.2666D+05	8.7735D-09
6.9085D-06	5.1938D+00	9.0446D-01	5.4276D-01	1.1951D+01	2.1508D-09	1.1112D-03	8.6865D+04	1.4475D+05	7.6767D-09
5.9215D-06	5.1938D+00	9.0441D-01	5.4272D-01	1.2007D+01	1.8435D-09	1.1112D-03	1.0134D+05	1.6888D+05	6.5800D-09
4.9346D-06	5.1939D+00	9.0436D-01	5.4268D-01	1.2073D+01	1.5362D-09	1.1112D-03	1.2161D+05	2.0265D+05	5.4832D-09
3.9477D-06	5.1939D+00	9.0431D-01	5.4264D-01	1.2153D+01	1.2290D-09	1.1112D-03	1.5200D+05	2.5331D+05	4.3865D-09
2.9608D-06	5.1939D+00	9.0426D-01	5.4260D-01	1.2257D+01	9.2175D-10	1.1112D-03	2.0267D+05	3.3775D+05	3.2899D-09
1.9738D-06	5.1939D+00	9.0421D-01	5.4256D-01	1.2404D+01	6.1450D-10	1.1111D-03	3.0399D+05	5.0663D+05	2.1932D-09
9.8692D-07	5.1939D+00	9.0416D-01	5.4252D-01	1.2655D+01	3.0725D-10	1.1111D-03	6.0797D+05	1.0133D+06	1.0966D-09
8.8823D-07	5.1939D+00	9.0416D-01	5.4251D-01	1.2693D+01	2.7652D-10	1.1111D-03	6.7553D+05	1.1258D+06	9.8693D-10
7.8954D-07	5.1939D+00	9.0415D-01	5.4251D-01	1.2735D+01	2.4580D-10	1.1111D-03	7.5997D+05	1.2666D+06	8.7727D-10
6.9085D-07	5.1939D+00	9.0415D-01	5.4251D-01	1.2784D+01	2.1507D-10	1.1111D-03	8.6853D+05	1.4475D+06	7.6761D-10
5.9215D-07	5.1939D+00	9.0414D-01	5.4250D-01	1.2839D+01	1.8435D-10	1.1111D-03	1.0133D+06	1.6888D+06	6.5795D-10
4.9346D-07	5.1939D+00	9.0414D-01	5.4250D-01	1.2905D+01	1.5362D-10	1.1111D-03	1.2159D+06	2.0265D+06	5.4829D-10
3.9477D-07	5.1939D+00	9.0413D-01	5.4249D-01	1.2986D+01	1.2290D-10	1.1111D-03	1.5199D+06	2.5331D+06	4.3863D-10
2.9608D-07	5.1939D+00	9.0413D-01	5.4249D-01	1.3090D+01	9.2174D-11	1.1111D-03	2.0266D+06	3.3775D+06	3.2898D-10
1.9738D-07	5.1939D+00	9.0412D-01	5.4249D-01	1.3237D+01	6.1449D-11	1.1111D-03	3.0398D+06	5.0663D+06	2.1932D-10
9.8692D-08	5.1939D+00	9.0412D-01	5.4248D-01	1.3487D+01	3.0725D-11	1.1111D-03	6.0796D+06	1.0132D+07	1.0966D-10
8.8823D-08	5.1939D+00	9.0412D-01	5.4248D-01	1.3525D+01	2.7652D-11	1.1111D-03	6.7551D+06	1.1258D+07	9.8692D-11
7.8954D-08	5.1939D+00	9.0412D-01	5.4248D-01	1.3568D+01	2.4580D-11	1.1111D-03	7.5995D+06	1.2666D+07	8.7727D-11
6.9085D-09	5.1939D+00	9.0411D-01	5.4248D-01	1.3616D+01	2.1507D-11	1.1111D-03	8.6852D+06	1.4475D+07	7.6761D-11
5.9215D-08	5.1939D+00	9.0411D-01	5.4248D-01	1.3672D+01	1.8435D-11	1.1111D-03	1.0133D+07	1.6887D+07	6.5795D-11
4.9346D-08	5.1939D+00	9.0411D-01	5.4248D-01	1.3738D+01	1.5362D-11	1.1111D-03	1.2159D+07	2.0265D+07	5.4829D-11

SUPERHEATED VAPOUR PROPERTIES A. T = 900.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAV (ATM/K)
3.9477D-08	5.1939D+00	9.0411D-01	5.4248D-01	1.3819D+01	1.2290D-11	1.1111D-03	1.5199D+07	2.5331D+07	4.3863D-11
2.9608D-08	5.1939D+00	9.0411D-01	5.4248D-01	1.3923D+01	9.2174D-12	1.1111D-03	2.0265D+07	3.3775D+07	3.2897D-11
1.9738D-08	5.1939D+00	9.0411D-01	5.4248D-01	1.4069D+01	6.1449D-12	1.1111D-03	3.0398D+07	5.0662D+07	2.1932D-11
9.8692D-09	5.1939D+00	9.0411D-01	5.4248D-01	1.4320D+01	3.0725D-12	1.1111D-03	6.0796D+07	1.0132D+08	1.0966D-11
8.8823D-09	5.1939D+00	9.0411D-01	5.4248D-01	1.4358D+01	2.7652D-12	1.1111D-03	6.7551D+07	1.1258D+08	9.8692D-12
7.8954D-09	5.1939D+00	9.0411D-01	5.4248D-01	1.4401D+01	2.4580D-12	1.1111D-03	7.5995D+07	1.2666D+08	8.7727D-12
6.9085D-09	5.1939D+00	9.0411D-01	5.4248D-01	1.4449D+01	2.1507D-12	1.1111D-03	8.6852D+07	1.4475D+08	7.6761D-12
5.9215D-09	5.1939D+00	9.0411D-01	5.4248D-01	1.4505D+01	1.8435D-12	1.1111D-03	1.0133D+08	1.6887D+08	6.5795D-12
4.9346D-09	5.1939D+00	9.0411D-01	5.4248D-01	1.4571D+01	1.5362D-12	1.1111D-03	1.2159D+08	2.0265D+08	5.4829D-12
3.9477D-09	5.1939D+00	9.0411D-01	5.4248D-01	1.4651D+01	1.2290D-12	1.1111D-03	1.5199D+08	2.5331D+08	4.3863D-12
2.9608D-09	5.1939D+00	9.0411D-01	5.4248D-01	1.4755D+01	9.2174D-13	1.1111D-03	2.0265D+08	3.3775D+08	3.2897D-12
1.9738D-09	5.1939D+00	9.0411D-01	5.4248D-01	1.4902D+01	6.1449D-13	1.1111D-03	3.0398D+08	5.0662D+08	2.1932D-12
9.8692D-10	5.1939D+00	9.0411D-01	5.4248D-01	1.5153D+01	3.0725D-13	1.1111D-03	6.0796D+08	1.0132D+09	1.0966D-12
8.8823D-10	5.1939D+00	9.0411D-01	5.4248D-01	1.5191D+01	2.7652D-13	1.1111D-03	6.7551D+08	1.1258D+09	9.8692D-13
7.8954D-10	5.1939D+00	9.0411D-01	5.4248D-01	1.5233D+01	2.4580D-13	1.1111D-03	7.5995D+08	1.2666D+09	8.7727D-13
6.9085D-10	5.1939D+00	9.0411D-01	5.4248D-01	1.5282D+01	2.1507D-13	1.1111D-03	8.6852D+08	1.4475D+09	7.6761D-13
5.9215D-10	5.1939D+00	9.0411D-01	5.4248D-01	1.5337D+01	1.8435D-13	1.1111D-03	1.0133D+09	1.6887D+09	6.5795D-13
4.9346D-10	5.1939D+00	9.0411D-01	5.4248D-01	1.5403D+01	1.5362D-13	1.1111D-03	1.2159D+09	2.0265D+09	5.4829D-13
3.9477D-10	5.1939D+00	9.0411D-01	5.4248D-01	1.5484D+01	1.2290D-13	1.1111D-03	1.5199D+09	2.5331D+09	4.3863D-13
2.9608D-10	5.1939D+00	9.0411D-01	5.4248D-01	1.5588D+01	9.2174D-14	1.1111D-03	2.0265D+09	3.3775D+09	3.2897D-13
1.9738D-10	5.1939D+00	9.0411D-01	5.4248D-01	1.5735D+01	6.1449D-14	1.1111D-03	3.0398D+09	5.0662D+09	2.1932D-13
9.8692D-11	5.1939D+00	9.0411D-01	5.4248D-01	1.5985D+01	3.0725D-14	1.1111D-03	6.0796D+09	1.0132D+10	1.0966D-13

SUPERHEATED VAPOR PROPERTIES AT T = 1000.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAV (ATM/K)
9.8692D-02	5.1468D+00	2.0150D+00	1.4081D+00	8.4564D+00	2.8843D-05	1.3485D-03	7.3482D+00	1.0515D+01	1.2824D-04
8.8823D-02	5.1591D+00	1.2276D+00	1.3423D+00	8.5053D+00	2.5859D-05	1.3198D-03	8.1112D+00	1.1648D+01	1.1330D-04
7.8954D-02	5.1716D+00	1.8359D+00	1.2727D+00	8.5589D+00	2.2896D-05	1.2899D-03	9.0562D+00	1.3063D+01	9.8746D-05
6.9085D-02	5.1845D+00	1.7394D+00	1.1992D+00	8.6105D+00	1.9955D-05	1.2589D-03	1.0259D+01	1.4881D+01	8.4598D-05
5.9215D-02	5.1977D+00	1.6380D+00	1.1213D+00	8.6859D+00	1.7034D-05	1.2265D-03	1.1843D+01	1.7301D+01	7.0890D-05
4.9346D-02	5.2112D+00	1.5313D+00	1.0388D+00	8.7638D+00	1.4136D-05	1.1927D-03	1.4034D+01	2.0688D+01	5.7655D-05
3.9477D-02	5.2250D+00	1.4189D+00	9.5127D-01	8.8567D+00	1.1261D-05	1.1575D-03	1.7272D+01	2.5763D+01	4.4930D-05
2.9608D-02	5.2392D+00	1.3005D+00	8.5836D-01	8.9734D+00	8.4094D-06	1.1207D-03	2.2584D+01	3.4216D+01	3.2755D-05
1.9738D-02	5.2539D+00	1.1755D+00	7.5960D-01	9.1330D+00	5.5814D-06	1.0823D-03	3.3030D+01	5.1113D+01	2.1175D-05
9.8692D-03	5.2689D+00	1.0435D+00	6.5449D-01	9.3970D+00	2.7781D-06	1.0421D-03	6.3838D+01	1.0179D+02	1.0238D-05
8.8823D-03	5.2704D+00	1.0299D+00	6.4361D-01	9.4364D+00	2.4991D-06	1.0380D-03	7.0642D+01	1.1305D+02	9.1819D-06
7.8954D-03	5.2719D+00	1.0163D+00	6.3266D-01	9.4804D+00	2.2204D-06	1.0338D-03	7.9135D+01	1.2712D+02	8.1327D-06
6.9085D-03	5.2734D+00	1.0025D+00	6.2163D-01	9.5300D+00	1.9420D-06	1.0297D-03	9.0043D+01	1.4521D+02	7.0907D-06
5.9215D-03	5.2750D+00	9.8870D-01	6.1054D-01	9.5871D+00	1.6638D-06	1.0255D-03	1.0457D+02	1.6934D+02	6.0558D-06
4.9346D-03	5.2765D+00	9.7479D-01	5.9938D-01	9.6544D+00	1.3858D-06	1.0213D-03	1.2489D+02	2.0312D+02	5.0281D-06
3.9477D-03	5.2781D+00	9.6082D-01	5.8815D-01	9.7365D+00	1.1082D-06	1.0171D-03	1.5535D+02	2.5378D+02	4.0077D-06
2.9608D-03	5.2796D+00	9.4676D-01	5.7684D-01	9.8419D+00	8.3073D-07	1.0128D-03	2.0607D+02	3.3822D+02	2.9946D-06
1.9738D-03	5.2812D+00	9.3262D-01	5.6546D-01	9.9899D+00	5.5356D-07	1.0086D-03	3.0746D+02	5.0709D+02	1.9889D-06
9.8692D-04	5.2827D+00	9.1841D-01	5.5401D-01	1.0241D+01	2.7665D-07	1.0043D-03	6.1150D+02	1.0137D+03	9.9070D-07
8.8823D-04	5.2829D+00	9.1698D-01	5.5286D-01	1.0280D+01	2.4898D-07	1.0039D-03	6.7906D+02	1.1263D+03	8.9129D-07
7.8954D-04	5.2830D+00	9.1555D-01	5.5171D-01	1.0323D+01	2.2130D-07	1.0034D-03	7.6350D+02	1.2670D+03	7.9196D-07
6.9085D-04	5.2832D+00	9.1413D-01	5.5055D-01	1.0371D+01	1.9363D-07	1.0030D-03	8.7208D+02	1.4480D+03	6.9270D-07
5.9215D-04	5.2833D+00	9.1270D-01	5.4940D-01	1.0427D+01	1.6596D-07	1.0026D-03	1.0168D+03	1.6892D+03	5.9352D-07
4.9346D-04	5.2835D+00	9.1127D-01	5.4825D-01	1.0493D+01	1.3829D-07	1.0022D-03	1.2195D+03	2.0270D+03	4.9441D-07
3.9477D-04	5.2837D+00	9.0984D-01	5.4710D-01	1.0574D+01	1.1063D-07	1.0017D-03	1.5235D+03	2.5336D+03	3.9538D-07
2.9608D-04	5.2838D+00	9.0841D-01	5.4594D-01	1.0678D+01	8.2968D-08	1.0013D-03	2.0301D+03	3.3780D+03	2.9642D-07

SUPERHEATED VAPOR PROPERTIES AT T = 1000.0K

P (ATM)	H-R (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHA P (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMA V (ATM/K)
1.9738D-04	5.2840D+00	9.0698D-01	5.4479D-01	1.0825D+01	5.5310D-08	1.0009D-03	3.0434D+03	5.0667D+03	1.9754D-07
9.8692D-05	5.2841D+00	9.0554D-01	5.4363D-01	1.1076D+01	2.7654D-08	1.0004D-03	6.0832D+03	1.0133D+04	9.8730D-08
8.8823D-05	5.2841D+00	9.0540D-01	5.4352D-01	1.1114D+01	2.4888D-08	1.0004D-03	6.7587D+03	1.1259D+04	8.8854D-08
7.8954D-05	5.2842D+00	9.0526D-01	5.4340D-01	1.1157D+01	2.2123D-08	1.0003D-03	7.6031D+03	1.2666D+04	7.8978D-08
6.9085D-05	5.2842D+00	9.0511D-01	5.4329D-01	1.1205D+01	1.9357D-08	1.0003D-03	8.6888D+03	1.4477D+04	6.9103D-08
5.9215D-05	5.2842D+00	9.0497D-01	5.4317D-01	1.1261D+01	1.6592D-08	1.0003D-03	1.0136D+04	1.6888D+04	5.9229D-08
4.9346D-05	5.2842D+00	9.0483D-01	5.4306D-01	1.1327D+01	1.3826D-08	1.0002D-03	1.2163D+04	2.0265D+04	4.9356D-08
3.9477D-05	5.2842D+00	9.0468D-01	5.4294D-01	1.1407D+01	1.1061D-08	1.0002D-03	1.5203D+04	2.5332D+04	3.9483D-08
2.9608D-05	5.2842D+00	9.0454D-01	5.4282D-01	1.1511D+01	8.2958D-09	1.0001D-03	2.0269D+04	3.3775D+04	2.9611D-08
1.9738D-05	5.2843D+00	9.0440D-01	5.4271D-01	1.1658D+01	5.5305D-09	1.0001D-03	3.0462D+04	5.0663D+04	1.9740D-08
9.8692D-06	5.2843D+00	9.0425D-01	5.4259D-01	1.1909D+01	2.7652D-09	1.0000D-03	6.0800D+04	1.0133D+05	9.8696D-09
8.8823D-06	5.2843D+00	9.0424D-01	5.4258D-01	1.1947D+01	2.4887D-09	1.0000D-03	6.7555D+04	1.1258D+05	8.8826D-09
7.8954D-06	5.2843D+00	9.0423D-01	5.4257D-01	1.1989D+01	2.2122D-09	1.0000D-03	7.5999D+04	1.2666D+05	7.8956D-09
6.9085D-06	5.2843D+00	9.0421D-01	5.4256D-01	1.2038D+01	1.9357D-09	1.0000D-03	8.6855D+04	1.4475D+05	6.9087D-09
5.9215D-06	5.2843D+00	9.0420D-01	5.4255D-01	1.2094D+01	1.6591D-09	1.0000D-03	1.0133D+05	1.6888D+05	5.9217D-09
4.9346D-06	5.2843D+00	9.0418D-01	5.4254D-01	1.2159D+01	1.3826D-09	1.0000D-03	1.2160D+05	2.0265D+05	4.9347D-09
3.9477D-06	5.2843D+00	9.0417D-01	5.4252D-01	1.2240D+01	1.1061D-09	1.0000D-03	1.5199D+05	2.5331D+05	3.9478D-09
2.9608D-06	5.2843D+00	9.0415D-01	5.4251D-01	1.2344D+01	8.2957D-10	1.0000D-03	2.0266D+05	3.3775D+05	2.9608D-09
1.9738D-06	5.2843D+00	9.0414D-01	5.4250D-01	1.2491D+01	5.5305D-10	1.0000D-03	3.0398D+05	5.0663D+05	1.9739D-09
9.8692D-07	5.2843D+00	9.0413D-01	5.4249D-01	1.2741D+01	2.7652D-10	1.0000D-03	6.0797D+05	1.0133D+06	9.8693D-10
8.8823D-07	5.2843D+00	9.0412D-01	5.4249D-01	1.2780D+01	2.4887D-10	1.0000D-03	6.7552D+05	1.1258D+06	8.8823D-10
7.8954D-07	5.2843D+00	9.0412D-01	5.4249D-01	1.2822D+01	2.2122D-10	1.0000D-03	7.5996D+05	1.2666D+06	7.8954D-10
6.9085D-07	5.2843D+00	9.0412D-01	5.4249D-01	1.2870D+01	1.9357D-10	1.0000D-03	8.6852D+05	1.4475D+06	6.9085D-10
5.9215D-07	5.2843D+00	9.0412D-01	5.4248D-01	1.2926D+01	1.6591D-10	1.0000D-03	1.0133D+06	1.6888D+06	5.9216D-10
4.9346D-07	5.2843D+00	9.0412D-01	5.4248D-01	1.2992D+01	1.3826D-10	1.0000D-03	1.2159D+06	2.0265D+06	4.9346D-10
3.9477D-07	5.2843D+00	9.0412D-01	5.4248D-01	1.3073D+01	1.1061D-10	1.0000D-03	1.5199D+06	2.5331D+06	3.9477D-10

SUPERHEATED VAPOR PROPERTIES AT T = 1000.0K

139

P (ATM)	h-h(298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	hFO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAT (ATM/K)
2.9608D-07	5.2843D+00	9.0412D-01	5.4248D-01	1.3177D+01	8.2957D-11	1.0000D-03	2.0265D+06	3.3775D+06	2.9608D-10
1.9738D-07	5.2843D+00	9.0411D-01	5.4248D-01	1.3324D+01	5.5305D-11	1.0000D-03	3.0398D+06	5.0662D+06	1.9738D-10
9.8692D-08	5.2843D+00	9.0411D-01	5.4248D-01	1.3574D+01	2.7452D-11	1.0000D-03	6.0798D+06	1.0132D+07	9.8692D-11
8.8823D-08	5.2843D+00	9.0411D-01	5.4248D-01	1.3612D+01	2.4887D-11	1.0000D-03	6.7551D+06	1.1258D+07	8.8823D-11
7.8954D-08	5.2843D+00	9.0411D-01	5.4248D-01	1.3655D+01	2.2122D-11	1.0000D-03	7.5995D+06	1.2666D+07	7.8954D-11
6.9085D-08	5.2843D+00	9.0411D-01	5.4248D-01	1.3703D+01	1.9357D-11	1.0000D-03	8.6852D+06	1.4475D+07	6.9085D-11
5.9215D-08	5.2843D+00	9.0411D-01	5.4248D-01	1.3759D+01	1.6591D-11	1.0000D-03	1.0133D+07	1.6887D+07	5.9215D-11
4.9346D-08	5.2843D+00	9.0411D-01	5.4248D-01	1.3825D+01	1.3826D-11	1.0000D-03	1.2159D+07	2.0265D+07	4.9346D-11
3.9477D-08	5.2843D+00	9.0411D-01	5.4248D-01	1.3906D+01	1.1061D-11	1.0000D-03	1.5199D+07	2.5331D+07	3.9477D-11
2.9608D-08	5.2843D+00	9.0411D-01	5.4248D-01	1.4010D+01	8.2957D-12	1.0000D-03	2.0265D+07	3.3775D+07	2.9608D-11
1.9738D-08	5.2843D+00	9.0411D-01	5.4248D-01	1.4156D+01	5.5304D-12	1.0000D-03	3.0398D+07	5.0662D+07	1.9738D-11
9.8692D-09	5.2843D+00	9.0411D-01	5.4248D-01	1.4407D+01	2.7452D-12	1.0000D-03	6.0798D+07	1.0132D+08	9.8692D-12
8.8823D-09	5.2843D+00	9.0411D-01	5.4248D-01	1.4445D+01	2.4887D-12	1.0000D-03	6.7551D+07	1.1258D+08	8.8823D-12
7.8954D-09	5.2843D+00	9.0411D-01	5.4248D-01	1.4488D+01	2.2122D-12	1.0000D-03	7.5995D+07	1.2666D+08	7.8954D-12
6.9085D-09	5.2843D+00	9.0411D-01	5.4248D-01	1.4536D+01	1.9357D-12	1.0000D-03	8.6852D+07	1.4475D+08	6.9085D-12
5.9215D-09	5.2843D+00	9.0411D-01	5.4248D-01	1.4592D+01	1.6591D-12	1.0000D-03	1.0133D+08	1.6887D+08	5.9215D-12
4.9346D-09	5.2843D+00	9.0411D-01	5.4248D-01	1.4658D+01	1.3826D-12	1.0000D-03	1.2159D+08	2.0265D+08	4.9346D-12
3.9477D-09	5.2843D+00	9.0411D-01	5.4248D-01	1.4738D+01	1.1061D-12	1.0000D-03	1.5199D+08	2.5331D+08	3.9477D-12
2.9608D-09	5.2843D+00	9.0411D-01	5.4248D-01	1.4842D+01	8.2957D-13	1.0000D-03	2.0265D+08	3.3775D+08	2.9608D-12
1.9738D-09	5.2843D+00	9.0411D-01	5.4248D-01	1.4989D+01	5.5304D-13	1.0000D-03	3.0398D+08	5.0662D+08	1.9738D-12
9.8692D-10	5.2843D+00	9.0411D-01	5.4248D-01	1.5240D+01	2.7452D-13	1.0000D-03	6.0798D+08	1.0132D+09	9.8692D-13
8.8823D-10	5.2843D+00	9.0411D-01	5.4248D-01	1.5278D+01	2.4887D-13	1.0000D-03	6.7551D+08	1.1258D+09	8.8823D-13
7.8954D-10	5.2843D+00	9.0411D-01	5.4248D-01	1.5320D+01	2.2122D-13	1.0000D-03	7.5995D+08	1.2666D+09	7.8954D-13
6.9085D-10	5.2843D+00	9.0411D-01	5.4248D-01	1.5369D+01	1.9357D-13	1.0000D-03	8.6852D+08	1.4475D+09	6.9085D-13
5.9215D-10	5.2843D+00	9.0411D-01	5.4248D-01	1.5424D+01	1.6591D-13	1.0000D-03	1.0133D+09	1.6887D+09	5.9215D-13
4.9346D-10	5.2843D+00	9.0411D-01	5.4248D-01	1.5490D+01	1.3826D-13	1.0000D-03	1.2159D+09	2.0265D+09	4.9346D-13

SUPERHEATED VAPOR PROPERTIES AT $T = 1000.0\text{K}$

P (ATM)	H-B (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	HHO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAV (ATM/K)
3.9477D-10	5.2843D+00	9.0411D-01	5.4248D-01	1.5571D+01	1.1061D-13	1.0000D-03	1.5199D+09	2.5331D+09	3.9477D-13
2.9608D-10	5.2843D+00	9.0411D-01	5.4248D-01	1.5675D+01	8.2957D-14	1.0000D-03	2.0265D+09	3.3775D+09	2.9608D-13
1.9738D-10	5.2843D+00	9.0411D-01	5.4248D-01	1.5822D+01	5.5304D-14	1.0000D-03	3.0398D+09	5.0662D+09	1.9738D-13
9.8692D-11	5.2843D+00	9.0411D-01	5.4248D-01	1.6072D+01	2.7652D-14	1.0000D-03	6.0796D+09	1.0132D+10	9.8692D-14

SUPERHEATED VAPOR PROPERTIES AT T = 1100.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	HHO (G/CC)	ALPHA P (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMA V (ATM/K)
4.9346D-01	5.1118D+00	2.4682D+00	1.7053D+00	7.8604D+00	1.3649D-04	1.4227D-03	1.4952D+00	2.1641D+00	6.5739D-04
3.9477D-01	5.1550D+00	2.2654D+00	1.5633D+00	7.9745D+00	1.0767D-04	1.3489D-03	1.8494D+00	2.6800D+00	5.0332D-04
2.9608D-01	5.2021D+00	2.0219D+00	1.3890D+00	8.1152D+00	7.9541D-05	1.2642D-03	2.4286D+00	3.5352D+00	3.5760D-04
1.9738D-01	5.2537D+00	1.7258D+00	1.1720D+00	8.3024D+00	5.2173D-05	1.1656D-03	3.5563D+00	5.2367D+00	2.2258D-04
9.8692D-02	5.3109D+00	1.3610D+00	8.9737D-01	8.5982D+00	2.5630D-05	1.0491D-03	6.8035D+00	1.0318D+01	1.0167D-04
8.8823D-02	5.3169D+00	1.3199D+00	8.6595D-01	8.6411D+00	2.3024D-05	1.0363D-03	7.5094D+00	1.1446D+01	9.0535D-05
7.8954D-02	5.3230D+00	1.2779D+00	8.3371D-01	8.6886D+00	2.0427D-05	1.0232D-03	8.3868D+00	1.2855D+01	7.9595D-05
6.9085D-02	5.3292D+00	1.2349D+00	8.0062D-01	8.7418D+00	1.7840D-05	1.0099D-03	9.5086D+00	1.4666D+01	6.8857D-05
5.9215D-02	5.3355D+00	1.1909D+00	7.6665D-01	8.8026D+00	1.5263D-05	9.9629D-04	1.0996D+01	1.7080D+01	5.8330D-05
4.9346D-02	5.3418D+00	1.1459D+00	7.3177D-01	8.8736D+00	1.2694D-05	9.8246D-04	1.3066D+01	2.0460D+01	4.8019D-05
3.9477D-02	5.3483D+00	1.0998D+00	6.9595D-01	8.9594D+00	1.0136D-05	9.6836D-04	1.6154D+01	2.5528D+01	3.7933D-05
2.9608D-02	5.3548D+00	1.0526D+00	6.5914D-01	9.0686D+00	7.5869D-06	9.5398D-04	2.1274D+01	3.3973D+01	2.8080D-05
1.9738D-02	5.3613D+00	1.0043D+00	6.2132D-01	9.2205D+00	5.0479D-06	9.3931D-04	3.1468D+01	5.0863D+01	1.8467D-05
9.8692D-03	5.3680D+00	9.5480D-01	5.8244D-01	9.4764D+00	2.5189D-06	9.2435D-04	6.1934D+01	1.0153D+02	9.1045D-06
8.8823D-03	5.3686D+00	9.4978D-01	5.7850D-01	9.5151D+00	2.2666D-06	9.2284D-04	6.0696D+01	1.1279D+02	8.1822D-06
7.8954D-03	5.3693D+00	9.4476D-01	5.7454D-01	9.5582D+00	2.0143D-06	9.2132D-04	7.7147D+01	1.2686D+02	7.2626D-06
6.9085D-03	5.3700D+00	9.3972D-01	5.7057D-01	9.6070D+00	1.7622D-06	9.1981D-04	8.8011D+01	1.4495D+02	6.3453D-06
5.9215D-03	5.3706D+00	9.3467D-01	5.6659D-01	9.6633D+00	1.5101D-06	9.1828D-04	1.0249D+02	1.6908D+02	5.4311D-06
4.9346D-03	5.3713D+00	9.2961D-01	5.6260D-01	9.7298D+00	1.2582D-06	9.1676D-04	1.2277D+02	2.0285D+02	4.5193D-06
3.9477D-03	5.3720D+00	9.2453D-01	5.5860D-01	9.8110D+00	1.0064D-06	9.1523D-04	1.5317D+02	2.5352D+02	3.6102D-06
2.9608D-03	5.3727D+00	9.1945D-01	5.5458D-01	9.9156D+00	7.5461D-07	9.1370D-04	2.0384D+02	3.3795D+02	2.7036D-06
1.9738D-03	5.3733D+00	9.1435D-01	5.5056D-01	1.0063D+01	5.0297D-07	9.1217D-04	3.0518D+02	5.0683D+02	1.7998D-06
9.8692D-04	5.3740D+00	9.0923D-01	5.4652D-01	1.0314D+01	2.5144D-07	9.1063D-04	6.0917D+02	1.0135D+03	8.9854D-07
8.8823D-04	5.3741D+00	9.0872D-01	5.4612D-01	1.0352D+01	2.2629D-07	9.1048D-04	6.7672D+02	1.1260D+03	8.0857D-07
7.8954D-04	5.3742D+00	9.0821D-01	5.4571D-01	1.0395D+01	2.0114D-07	9.1032D-04	7.6116D+02	1.2668D+03	7.1862D-07
6.9085D-04	5.3742D+00	9.0770D-01	5.4531D-01	1.0443D+01	1.7599D-07	9.1017D-04	8.6972D+02	1.4477D+03	6.2870D-07

SUPERHEATED VAPOR PROPERTIES AT T = 1100.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHA (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMA (ATM/K)
5.9215D-04	5.3743D+00	9.0719D-01	5.4491D-01	1.0499D+01	1.5085D-07	9.1002D-04	1.0145D+03	1.6890D+03	5.3880D-07
4.9346D-04	5.3744D+00	9.0667D-01	5.4450D-01	1.0565D+01	1.2570D-07	9.0986D-04	1.2171D+03	2.0267D+03	4.4894D-07
3.9477D-04	5.3744D+00	9.0616D-01	5.4410D-01	1.0646D+01	1.0056D-07	9.0971D-04	1.5211D+03	2.5333D+03	3.5910D-07
2.9608D-04	5.3745D+00	9.0565D-01	5.4369D-01	1.0750D+01	7.5420D-08	9.0955D-04	2.0277D+03	3.3777D+03	2.6928D-07
1.9738D-04	5.3746D+00	9.0514D-01	5.4329D-01	1.0896D+01	5.0279D-08	9.0940D-04	3.0410D+03	5.0665D+03	1.7949D-07
9.8692E-05	5.3746D+00	9.0462D-01	5.4288D-01	1.1147D+01	2.5139D-08	9.0925D-04	6.0808D+03	1.0133D+04	8.9734D-08
8.8823D-05	5.3746D+00	9.0457D-01	5.4284D-01	1.1185D+01	2.2625D-08	9.0923D-04	6.7563D+03	1.1259D+04	8.0759D-08
7.8954D-05	5.3746D+00	9.0452D-01	5.4280D-01	1.1228D+01	2.0111D-08	9.0921D-04	7.6007D+03	1.2666D+04	7.1785D-08
6.9065D-05	5.3746D+00	9.0447D-01	5.4276D-01	1.1276D+01	1.7597D-08	9.0920D-04	8.6864D+03	1.4475D+04	6.2811D-08
5.9215D-05	5.3747D+00	9.0442D-01	5.4272D-01	1.1332D+01	1.5083D-08	9.0918D-04	1.0134D+04	1.6888D+04	5.3837D-08
4.9346D-05	5.3747D+00	9.0437D-01	5.4268D-01	1.1398D+01	1.2569D-08	9.0917D-04	1.2161D+04	2.0265D+04	4.4864D-08
3.9477D-05	5.3747D+00	9.0432D-01	5.4264D-01	1.1479D+01	1.0055D-08	9.0915D-04	1.5200D+04	2.5331D+04	3.5890D-08
2.9608D-05	5.3747D+00	9.0426D-01	5.4260D-01	1.1583D+01	7.5416D-09	9.0914D-04	2.0267D+04	3.3775D+04	2.6917D-08
1.9738D-05	5.3747D+00	9.0421D-01	5.4256D-01	1.1729D+01	5.0277D-09	9.0912D-04	3.0399D+04	5.0663D+04	1.7945D-08
9.8692D-06	5.3747D+00	9.0416D-01	5.4252D-01	1.1980D+01	2.5138D-09	9.0911D-04	6.0797D+04	1.0133D+05	8.9722D-09
8.8823D-06	5.3747D+00	9.0416D-01	5.4251D-01	1.2018D+01	2.2625D-09	9.0910D-04	6.7553D+04	1.1258D+05	8.0749D-09
7.8954D-06	5.3747D+00	9.0415D-01	5.4251D-01	1.2061D+01	2.0111D-09	9.0910D-04	7.5996D+04	1.2666D+05	7.1777D-09
6.9085D-06	5.3747D+00	9.0415D-01	5.4250D-01	1.2109D+01	1.7597D-09	9.0910D-04	8.6853D+04	1.4475D+05	6.2805D-09
5.9215D-06	5.3747D+00	9.0414D-01	5.4250D-01	1.2165D+01	1.5083D-09	9.0910D-04	1.0133D+05	1.6888D+05	5.3833D-09
4.9346D-06	5.3747D+00	9.0414D-01	5.4250D-01	1.2331D+01	1.2569D-09	9.0910D-04	1.2159D+05	2.0265D+05	4.4860D-09
3.9477D-06	5.3747D+00	9.0413D-01	5.4249D-01	1.2311D+01	1.0055D-09	9.0910D-04	1.5199D+05	2.5331D+05	3.5888D-09
2.9608D-06	5.3747D+00	9.0413D-01	5.4249D-01	1.2415D+01	7.5415D-10	9.0910D-04	2.0265D+05	3.3775D+05	2.6916D-09
1.9738D-06	5.3747D+00	9.0412D-01	5.4248D-01	1.2562D+01	5.0277D-10	9.0909D-04	3.0398D+05	5.0663D+05	1.7944D-09
9.8692D-07	5.3747D+00	9.0412D-01	5.4248D-01	1.2813D+01	2.5138D-10	9.0909D-04	6.0796D+05	1.0132D+06	8.9720D-10
8.8823D-07	5.3747D+00	9.0411D-01	5.4248D-01	1.2851D+01	2.2625D-10	9.0909D-04	6.7551D+05	1.1258D+06	8.0748D-10
7.8954D-07	5.3747D+00	9.0411D-01	5.4248D-01	1.2893D+01	2.0111D-10	9.0909D-04	7.5995D+05	1.2666D+06	7.1776D-10

SUPERHEATED VAPOR PROPERTIES AT T = 1100.0K

P (ATM)	H-B (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RBO (G/CC)	ALPHA (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAV (ATM/K)
6.9085D-07	5.3747D+00	9.0411D-01	5.4248D-01	1.2942D+01	1.7597D-10	9.0909D-04	9.6852D+05	1.4475D+06	6.2804D-10
5.9215D-07	5.3747D+00	9.0411D-01	5.4248D-01	1.2997D+01	1.5083D-10	9.0909D-04	1.0133D+06	1.6887D+06	5.3832D-10
4.9346D-07	5.3747D+00	9.0411D-01	5.4248D-01	1.3063D+01	1.2569D-10	9.0909D-04	1.2159D+06	2.0265D+06	4.4860D-10
3.9477D-07	5.3747D+00	9.0411D-01	5.4248D-01	1.3144D+01	1.0055D-10	9.0909D-04	1.5199D+06	2.5331D+06	3.5888D-10
2.9608D-07	5.3747D+00	9.0411D-01	5.4248D-01	1.3248D+01	7.5415D-11	9.0909D-04	2.0265D+06	3.3775D+06	2.6916D-10
1.9738D-07	5.3747D+00	9.0411D-01	5.4248D-01	1.3395D+01	5.0277D-11	9.0909D-04	3.0398D+06	5.0662D+06	1.7944D-10
9.8692D-08	5.3747D+00	9.0411D-01	5.4248D-01	1.3645D+01	2.5138D-11	9.0909D-04	6.0796D+06	1.0132D+07	8.9720D-11
8.6823D-08	5.3747D+00	9.0411D-01	5.4248D-01	1.3683D+01	2.2625D-11	9.0909D-04	6.7551D+06	1.1258D+07	8.0748D-11
7.8954D-08	5.3747D+00	9.0411D-01	5.4248D-01	1.3726D+01	2.0111D-11	9.0909D-04	7.5995D+06	1.2666D+07	7.1776D-11
6.9885D-08	5.3747D+00	9.0411D-01	5.4248D-01	1.3774D+01	1.7597D-11	9.0909D-04	8.6652D+06	1.4475D+07	6.2804D-11
5.9215D-08	5.3747D+00	9.0411D-01	5.4248D-01	1.3830D+01	1.5083D-11	9.0909D-04	1.0133D+07	1.6887D+07	5.3832D-11
4.9346D-08	5.3747D+00	9.0411D-01	5.4248D-01	1.3896D+01	1.2569D-11	9.0909D-04	1.2159D+07	2.0265D+07	4.4860D-11
3.9477D-08	5.3747D+00	9.0411D-01	5.4248D-01	1.3977D+01	1.0055D-11	9.0909D-04	1.5199D+07	2.5331D+07	3.5888D-11
2.9608D-08	5.3747D+00	9.0411D-01	5.4248D-01	1.4081D+01	7.5415D-12	9.0909D-04	2.0265D+07	3.3775D+07	2.6916D-11
1.9738D-08	5.3747D+00	9.0411D-01	5.4248D-01	1.4227D+01	5.0277D-12	9.0909D-04	3.0398D+07	5.0662D+07	1.7944D-11
9.8692D-09	5.3747D+00	9.0411D-01	5.4248D-01	1.4478D+01	2.5138D-12	9.0909D-04	6.0796D+07	1.0132D+08	8.9720D-12
8.6823D-09	5.3747D+00	9.0411D-01	5.4248D-01	1.4516D+01	2.2625D-12	9.0909D-04	6.7551D+07	1.1258D+08	8.0748D-12
7.8954D-09	5.3747D+00	9.0411D-01	5.4248D-01	1.4555D+01	2.0111D-12	9.0909D-04	7.5995D+07	1.2666D+08	7.1776D-12
6.9885D-09	5.3747D+00	9.0411D-01	5.4248D-01	1.4607D+01	1.7597D-12	9.0909D-04	8.6652D+07	1.4475D+08	6.2804D-12
5.9215D-09	5.3747D+00	9.0411D-01	5.4248D-01	1.4663D+01	1.5083D-12	9.0909D-04	1.0133D+08	1.6887D+08	5.3832D-12
4.9346D-09	5.3747D+00	9.0411D-01	5.4248D-01	1.4729D+01	1.2569D-12	9.0909D-04	1.2159D+08	2.0265D+08	4.4860D-12
3.9477D-09	5.3747D+00	9.0411D-01	5.4248D-01	1.4809D+01	1.0055D-12	9.0909D-04	1.5199D+08	2.5331D+08	3.5888D-12
2.9608D-09	5.3747D+00	9.0411D-01	5.4248D-01	1.4913D+01	7.5415D-13	9.0909D-04	2.0265D+08	3.3775D+08	2.6916D-12
1.9738D-09	5.3747D+00	9.0411D-01	5.4248D-01	1.5060D+01	5.0277D-13	9.0909D-04	3.0398D+08	5.0662D+08	1.7944D-12
9.8692D-10	5.3747D+00	9.0411D-01	5.4248D-01	1.5311D+01	2.5138D-13	9.0909D-04	6.0796D+08	1.0132D+09	8.9720D-13
8.6823D-10	5.3747D+00	9.0411D-01	5.4248D-01	1.5349D+01	2.2625D-13	9.0909D-04	6.7551D+08	1.1258D+09	8.0748D-13

SUPERHEATED VAPOR PROPERTIES AT T = 1100.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAV (ATM/K)
7.8954D-10	5.3747D+00	9.0411D-01	5.4248D-01	1.5391D+01	2.0111D-13	9.0909D-04	7.5995D+08	1.2666D+09	7.1776D-13
6.9085D-10	5.3747D+00	9.0411D-01	5.4248D-01	1.5440D+01	1.7597D-13	9.0909D-04	8.6852D+08	1.4475D+09	6.2804D-13
5.9215D-10	5.3747D+00	9.0411D-01	5.4248D-01	1.5495D+01	1.5083D-13	9.0909D-04	1.0133D+09	1.6887D+09	5.3832D-13
4.9346D-10	5.3747D+00	9.0411D-01	5.4248D-01	1.5561D+01	1.2569D-13	9.0909D-04	1.2159D+09	2.0265D+09	4.4860D-13
3.9477D-10	5.3747D+00	9.0411D-01	5.4248D-01	1.5642D+01	1.0055D-13	9.0909D-04	1.5199D+09	2.5331D+09	3.5888D-13
2.9608D-10	5.3747D+00	9.0411D-01	5.4248D-01	1.5746D+01	7.5415D-14	9.0909D-04	2.0265D+09	3.3775D+09	2.6916D-13
1.9738D-10	5.3747D+00	9.0411D-01	5.4248D-01	1.5893D+01	5.0277D-14	9.0909D-04	3.0398D+09	5.0662D+09	1.7944D-13
9.8692D-11	5.3747D+00	9.0411D-01	5.4248D-01	1.6143D+01	2.5138D-14	9.0909D-04	6.0796D+09	1.0132D+10	8.9720D-14

SUPERHEATED VAPOR PROPERTIES AT T = 1200.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAV (ATM/K)
9.8692D-01	5.2021D+00	2.2280D+00	1.5055D+00	7.6891D+00	2.5028D-04	1.2698D-03	7.3197D-01	1.0832D+00	1.1722D-03
8.8823D-01	5.2234D+00	2.1439D+00	1.4484D+00	7.7421D+00	2.2368D-04	1.2385D-03	8.0926D-01	1.1978D+00	1.0339D-03
7.8954D-01	5.2457D+00	2.0526D+00	1.3857D+00	7.8003D+00	1.9739D-04	1.2053D-03	9.0514D-01	1.3408D+00	8.9899D-04
6.9085D-01	5.2688D+00	1.9531D+00	1.3165D+00	7.8648D+00	1.7143D-04	1.1701D-03	1.0273D+00	1.5241D+00	7.6771D-04
5.9215D-01	5.2929D+00	1.8443D+00	1.2399D+00	7.9375D+00	1.4581D-04	1.1324D-03	1.1886D+00	1.7680D+00	6.4053D-04
4.9346D-01	5.3181D+00	1.7250D+00	1.1549D+00	8.0214D+00	1.2054D-04	1.0921D-03	1.4117D+00	2.1086D+00	5.1792D-04
3.9477D-01	5.3446D+00	1.5936D+00	1.0600D+00	8.1209D+00	9.5638D-05	1.0487D-03	1.7416D+00	2.6184D+00	4.0050D-04
2.9608D-01	5.3723D+00	1.4482D+00	9.5358D-01	8.2447D+00	7.1112D-05	1.0017D-03	2.2823D+00	3.4663D+00	2.8898D-04
1.9738D-01	5.4016D+00	1.2867D+00	8.3365D-01	8.4123D+00	4.6984D-05	9.5059D-04	3.3423D+00	5.1589D+00	1.6426D-04
9.8692D-02	5.4324D+00	1.1065D+00	6.9766D-01	8.6852D+00	2.3272D-05	8.9474D-04	6.4502D+00	1.0230D+01	8.7466D-05
8.8823D-02	5.4356D+00	1.0873D+00	6.8307D-01	8.7256D+00	2.0925D-05	8.8886D-04	7.1342D+00	1.1356D+01	7.8274D-05
7.8954D-02	5.4388D+00	1.0679D+00	6.6828D-01	8.7705D+00	1.8582D-05	8.8293D-04	7.9876D+00	1.2764D+01	6.9176D-05
6.9085D-02	5.4420D+00	1.0482D+00	6.5329D-01	8.8211D+00	1.6243D-05	8.7694D-04	9.0826D+00	1.4573D+01	6.0174D-05
5.9215D-02	5.4453D+00	1.0284D+00	6.3810D-01	8.8792D+00	1.3909D-05	8.7089D-04	1.0540D+01	1.6986D+01	5.1270D-05
4.9346D-02	5.4485D+00	1.0083D+00	6.2270D-01	8.9475D+00	1.1579D-05	8.6478D-04	1.2577D+01	2.0364D+01	4.2466D-05
3.9477D-02	5.4518D+00	9.8793D-01	6.0709D-01	9.0306D+00	9.2544D-06	8.5862D-04	1.5628D+01	2.5431D+01	3.3763D-05
2.9608D-02	5.4551D+00	9.6735D-01	5.9127D-01	9.1370D+00	6.9339D-06	8.5239D-04	2.0705D+01	3.3875D+01	2.5163D-05
1.9738D-02	5.4584D+00	9.4652D-01	5.7523D-01	9.2860D+00	4.6180D-06	8.4610D-04	3.0850D+01	5.0763D+01	1.6668D-05
9.8692D-03	5.4617D+00	9.2544D-01	5.5896D-01	9.5391D+00	2.3067D-06	8.3975D-04	6.1261D+01	1.0143D+02	8.2794D-06
8.8823D-03	5.4621D+00	9.2332D-01	5.5733D-01	9.5774D+00	2.0758D-06	8.3911D-04	6.8018D+01	1.1268D+02	7.4465D-06
7.8954D-03	5.4624D+00	9.2120D-01	5.5569D-01	9.6203D+00	1.8450D-06	8.3847D-04	7.6463D+01	1.2676D+02	6.6148D-06
6.9085D-03	5.4628D+00	9.1907D-01	5.5404D-01	9.6688D+00	1.6142D-06	8.3783D-04	8.7321D+01	1.4485D+02	5.7841D-06
5.9215D-03	5.4631D+00	9.1694D-01	5.5240D-01	9.7248D+00	1.3834D-06	8.3719D-04	1.0180D+02	1.6898D+02	4.9545D-06
4.9346D-03	5.4634D+00	9.1481D-01	5.5075D-01	9.7910D+00	1.1528D-06	8.3655D-04	1.2206D+02	2.0275D+02	4.1260D-06
3.9477D-03	5.4638D+00	9.1267D-01	5.4910D-01	9.8719D+00	9.2211D-07	8.3591D-04	1.5246D+02	2.5341D+02	3.2986D-06
2.9608D-03	5.4641D+00	9.1054D-01	5.4745D-01	9.9762D+00	6.9152D-07	8.3526D-04	2.0313D+02	3.3785D+02	2.4723D-06

SUPERHEATED VAPOR PROPERTIES AT T = 1200.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAP (ATM/K)
1.9738D-03	5.4644D+00	9.0840D-01	5.4579D-01	1.0123D+01	4.6096D-07	8.3462D-04	3.0446D+02	5.0673D+02	1.6471D-06
5.8692D-04	5.4648D+00	9.0625D-01	5.4413D-01	1.0374D+01	2.3046D-07	8.3398D-04	6.0844D+02	1.0134D+03	8.2299D-07
8.8823D-04	5.4648D+00	9.0604D-01	5.4397D-01	1.0412D+01	2.0741D-07	8.3391D-04	6.7599D+02	1.1259D+03	7.4064D-07
7.8954D-04	5.4648D+00	9.0583D-01	5.4380D-01	1.0455D+01	1.8436D-07	8.3385D-04	7.6043D+02	1.2667D+03	6.5830D-07
6.9085D-04	5.4649D+00	9.0561D-01	5.4364D-01	1.0503D+01	1.6132D-07	8.3378D-04	8.6899D+02	1.4476D+03	5.7598D-07
5.9215D-04	5.4649D+00	9.0540D-01	5.4347D-01	1.0559D+01	1.3827D-07	8.3372D-04	1.0137D+03	1.6889D+03	4.9366D-07
4.9346D-04	5.4649D+00	9.0518D-01	5.4331D-01	1.0625D+01	1.1522D-07	8.3366D-04	1.2164D+03	2.0266D+03	4.1136D-07
3.9477D-04	5.4650D+00	9.0497D-01	5.4314D-01	1.0705D+01	9.2178D-08	8.3359D-04	1.5204D+03	2.5332D+03	3.2906D-07
2.9608D-04	5.4650D+00	9.0475D-01	5.4297D-01	1.0810D+01	6.9133D-08	8.3353D-04	2.0270D+03	3.3776D+03	2.4678D-07
1.9738D-04	5.4650D+00	9.0454D-01	5.4281D-01	1.0956D+01	4.6088D-08	8.3346D-04	3.0403D+03	5.0664D+03	1.6451D-07
9.8692D-05	5.4651D+00	9.0432D-01	5.4264D-01	1.1207D+01	2.3044D-08	8.3340D-04	6.0801D+03	1.0133D+04	8.2249D-08
8.8823D-05	5.4651D+00	9.0430D-01	5.4263D-01	1.1245D+01	2.0739D-08	8.3339D-04	6.7556D+03	1.1258D+04	7.4024D-08
7.8954D-05	5.4651D+00	9.0428D-01	5.4261D-01	1.1288D+01	1.8435D-08	8.3338D-04	7.6000D+03	1.2666D+04	6.5798D-08
6.9085D-05	5.4651D+00	9.0426D-01	5.4259D-01	1.1336D+01	1.6131D-08	8.3338D-04	8.6857D+03	1.4475D+04	5.7573D-08
5.9215D-05	5.4651D+00	9.0424D-01	5.4258D-01	1.1392D+01	1.3826D-08	8.3337D-04	1.0133D+04	1.6888D+04	4.9348D-08
4.9346D-05	5.4651D+00	9.0422D-01	5.4256D-01	1.1458D+01	1.1522D-08	8.3337D-04	1.2160D+04	2.0265D+04	4.1123D-08
3.9477D-05	5.4651D+00	9.0420D-01	5.4254D-01	1.1538D+01	9.2175D-09	8.3336D-04	1.5200D+04	2.5331D+04	3.2898D-08
2.9608D-05	5.4651D+00	9.0417D-01	5.4253D-01	1.1642D+01	6.9131D-09	8.3335D-04	2.0266D+04	3.3775D+04	2.4674D-08
1.9738D-05	5.4651D+00	9.0415D-01	5.4251D-01	1.1789D+01	4.6087D-09	8.3335D-04	3.0399D+04	5.0663D+04	1.6449D-08
9.8692D-06	5.4651D+00	9.0413D-01	5.4249D-01	1.2040D+01	2.3044D-09	8.3334D-04	6.0797D+04	1.0133D+05	8.2244D-09
8.8823D-06	5.4651D+00	9.0413D-01	5.4249D-01	1.2078D+01	2.0739D-09	8.3334D-04	6.7552D+04	1.1258D+05	7.4020D-09
7.8954D-06	5.4651D+00	9.0413D-01	5.4249D-01	1.2120D+01	1.8435D-09	8.3334D-04	7.5996D+04	1.2666D+05	6.5795D-09
6.9085D-06	5.4651D+00	9.0412D-01	5.4249D-01	1.2169D+01	1.6130D-09	8.3334D-04	8.6852D+04	1.4475D+05	5.7571D-09
5.9215D-06	5.4651D+00	9.0412D-01	5.4249D-01	1.2224D+01	1.3826D-09	8.3334D-04	1.0133D+05	1.6888D+05	4.9346D-09
4.9346D-06	5.4651D+00	9.0412D-01	5.4248D-01	1.2290D+01	1.1522D-09	8.3334D-04	1.2159D+05	2.0265D+05	4.1122D-09
3.9477D-06	5.4651D+00	9.0412D-01	5.4248D-01	1.2371D+01	9.2174D-10	8.3334D-04	1.5199D+05	2.5331D+05	3.2898D-09

P	H-H (298)	CP	CV	S	RHO	ALPHAP	BETAS	BETAT	GAMMAT
(ATM)	(KJ/G)	(J/G-K)	(J/G-K)	(J/G-K)	(G/CC)	(K-1)	(ATM-1)	(ATM-1)	(ATM/K)
2.9608D-06	5.4651D+00	9.0412D-01	5.4248D-01	1.2475D+01	6.9131D-10	8.3334D-04	2.0265D+05	3.375D+05	2.4673D-09
1.9738D-06	5.4651D+00	9.0411D-01	5.4248D-01	1.2622D+01	4.6087D-10	8.3333D-04	3.0398D+05	5.0662D+05	1.6449D-09
5.8692D-07	5.4651D+00	9.0411D-01	5.4248D-01	1.2872D+01	2.3044D-10	8.3333D-04	6.0796D+05	1.0132D+06	8.2244D-10
8.8823D-07	5.4651D+00	9.0411D-01	5.4248D-01	1.2910D+01	2.0739D-10	8.3333D-04	6.7551D+05	1.1258D+06	7.4019D-10
7.8954D-07	5.4651D+00	9.0411D-01	5.4248D-01	1.2953D+01	1.8435D-10	8.3333D-04	7.5995D+05	1.2666D+06	6.5795D-10
6.9085D-07	5.4651D+00	9.0411D-01	5.4248D-01	1.3001D+01	1.6130D-10	8.3333D-04	8.6852D+05	1.4475D+06	5.7571D-10
5.9215D-07	5.4651D+00	9.0411D-01	5.4248D-01	1.3057D+01	1.3826D-10	6.3333D-04	1.0133D+06	1.6887D+06	4.9346D-10
4.9346D-07	5.4651D+00	9.0411D-01	5.4248D-01	1.3123D+01	1.1522D-10	8.3333D-04	1.2159D+06	2.0265D+06	4.1122D-10
3.9477D-07	5.4651D+00	9.0411D-01	5.4248D-01	1.3204D+01	9.2174D-11	8.3333D-04	1.5199D+06	2.5331D+06	3.2897D-10
2.9608D-07	5.4651D+00	9.0411D-01	5.4248D-01	1.3308D+01	6.9131D-11	8.3333D-04	2.0265D+06	3.375D+06	2.4673D-10
1.9738D-07	5.4651D+00	9.0411D-01	5.4248D-01	1.3454D+01	4.6087D-11	8.3333D-04	3.0398D+06	5.0662D+06	1.6449D-10
9.8692D-08	5.4651D+00	9.0411D-01	5.4248D-01	1.3705D+01	2.3044D-11	8.3333D-04	6.0796D+06	1.0132D+07	8.2244D-11
8.8823D-08	5.4651D+00	9.0411D-01	5.4248D-01	1.3743D+01	2.0739D-11	8.3333D-04	6.7551D+06	1.1258D+07	7.4019D-11
7.8954D-08	5.4651D+00	9.0411D-01	5.4248D-01	1.3786D+01	1.8435D-11	8.3333D-04	7.5995D+06	1.2666D+07	6.5795D-11
6.9085D-08	5.4651D+00	9.0411D-01	5.4248D-01	1.3834D+01	1.6130D-11	8.3333D-04	8.6852D+06	1.4475D+07	5.7571D-11
5.9215D-08	5.4651D+00	9.0411D-01	5.4248D-01	1.3890D+01	1.3826D-11	8.3333D-04	1.0133D+07	1.6887D+07	4.9346D-11
4.9346D-08	5.4651D+00	9.0411D-01	5.4248D-01	1.3956D+01	1.1522D-11	8.3333D-04	1.2159D+07	2.0265D+07	4.1122D-11
3.9477D-08	5.4651D+00	9.0411D-01	5.4248D-01	1.4036D+01	9.2174D-12	8.3333D-04	1.5199D+07	2.5331D+07	3.2897D-11
2.9608D-08	5.4651D+00	9.0411D-01	5.4248D-01	1.4140D+01	6.9131D-12	8.3333D-04	2.0265D+07	3.375D+07	2.4673D-11
1.9738D-08	5.4651D+00	9.0411D-01	5.4248D-01	1.4287D+01	4.6087D-12	8.3333D-04	3.0398D+07	5.0662D+07	1.6449D-11
9.8692D-09	5.4651D+00	9.0411D-01	5.4248D-01	1.4538D+01	2.3044D-12	8.3333D-04	6.0796D+07	1.0132D+08	8.2244D-12
8.8823D-09	5.4651D+00	9.0411D-01	5.4248D-01	1.4576D+01	2.0739D-12	8.3333D-04	6.7551D+07	1.1258D+08	7.4019D-12
7.8954D-09	5.4651D+00	9.0411D-01	5.4248D-01	1.4618D+01	1.8435D-12	8.3333D-04	7.5995D+07	1.2666D+08	6.5795D-12
6.9085D-09	5.4651D+00	9.0411D-01	5.4248D-01	1.4667D+01	1.6130D-12	8.3333D-04	8.6852D+07	1.4475D+08	5.7571D-12
5.9215D-09	5.4651D+00	9.0411D-01	5.4248D-01	1.4722D+01	1.3826D-12	8.3333D-04	1.0133D+08	1.6887D+08	4.9346D-12
4.9346D-09	5.4651D+00	9.0411D-01	5.4248D-01	1.4788D+01	1.1522D-12	8.3333D-04	1.2159D+08	2.0265D+08	4.1122D-12

SUPERHEATED VAPOR PROPERTIES AT T = 1200.0K

P (ATM)	H-B (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAV (ATM/K)
3.9477D-09	5.4651D+00	9.0411D-01	5.4248D-01	1.4869D+01	9.2174D-13	8.3333D-04	1.5199D+08	2.5331D+08	3.2897D-12
2.9608D-09	5.4651D+00	9.0411D-01	5.4248D-01	1.4973D+01	6.9131D-13	8.3333D-04	2.0265D+08	3.3775D+08	2.4673D-12
1.9738D-09	5.4651D+00	9.0411D-01	5.4248D-01	1.5120D+01	4.6087D-13	8.3333D-04	3.0398D+08	5.0662D+08	1.6449D-12
9.8692D-10	5.4651D+00	9.0411D-01	5.4248D-01	1.5370D+01	2.3044D-13	8.3333D-04	6.0796D+08	1.0132D+09	8.2244D-13

SUPERHEATED VAPOR PROPERTIES AT T = 1300.0K

P (ATM)	H-B (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAV (KTH/K)
2.9608D+00	5.1632D+00	2.4335D+00	1.5969D+00	7.2792D+00	7.2488D-04	1.3111D-03	2.4479D-01	3.7303D-01	3.5146D-03
1.9738D+00	5.2683D+00	2.1222D+00	1.4041D+00	7.4917D+00	4.6591D-04	1.1776D-03	3.6091D-01	5.4550D-01	2.1587D-03
9.8692D-01	5.3944D+00	1.6635D+00	1.0956D+00	7.8228D+00	2.2354D-04	1.0103D-03	6.9700D-01	1.0583D+00	9.5462D-04
8.8823D-01	5.4087D+00	1.6051D+00	1.0547D+00	7.8701D+00	2.0028D-04	9.9050D-04	7.6996D-01	1.1717D+00	8.4534D-04
7.8954D-01	5.4232D+00	1.5436D+00	1.0114D+00	7.9221D+00	1.7722D-04	9.6999D-04	8.6053D-01	1.3133D+00	7.3857D-04
6.9885D-01	5.4382D+00	1.4788D+00	9.6537D-01	7.9801D+00	1.5434D-04	9.4866D-04	9.7610D-01	1.4952D+00	6.3446D-04
5.9215D-01	5.4535D+00	1.4104D+00	9.1642D-01	8.0458D+00	1.3166D-04	9.2645D-04	1.1289D+00	1.7375D+00	5.3321D-04
4.9346D-01	5.4693D+00	1.3381D+00	8.6425D-01	8.1220D+00	1.0918D-04	9.0327D-04	1.3410D+00	2.0763D+00	4.3503D-04
3.9477D-01	5.4855D+00	1.2616D+00	8.0855D-01	8.2133D+00	8.6911D-05	8.7903D-04	1.6562D+00	2.5841D+00	3.4017D-04
2.9608D-01	5.5022D+00	1.1804D+00	7.4897D-01	8.3282D+00	6.4851D-05	8.5362D-04	2.1762D+00	3.4297D+00	2.4889D-04
1.9738D-01	5.5194D+00	1.0941D+00	6.8508D-01	8.4862D+00	4.3008D-05	8.2694D-04	3.2059D+00	5.1198D+00	1.6152D-04
9.8692D-02	5.5372D+00	1.0022D+00	6.1643D-01	8.7485D+00	2.1389D-05	7.9886D-04	6.2662D+00	1.0187D+01	7.8416D-05
8.8823D-02	5.5390D+00	9.9265D-01	6.0928D-01	8.7878D+00	1.9239D-05	7.9597D-04	6.9441D+00	1.1313D+01	7.0356D-05
7.8954D-02	5.5408D+00	9.8307D-01	6.0208D-01	8.8316D+00	1.7092D-05	7.9386D-04	7.7909D+00	1.2721D+01	6.2343D-05
6.9085D-02	5.5426D+00	9.7343D-01	5.7483D-01	8.8811D+00	1.4948D-05	7.9014D-04	8.8790D+00	1.4530D+01	5.4378D-05
5.9215D-02	5.5444D+00	9.6372D-01	5.8751D-01	8.9380D+00	1.2805D-05	7.8720D-04	1.0329D+01	1.6943D+01	4.6462D-05
4.9346D-02	5.5463D+00	9.5395D-01	5.8015D-01	9.0052D+00	1.0665D-05	7.8425D-04	1.2358D+01	2.0321D+01	3.8593D-05
3.9477D-02	5.5481D+00	9.4411D-01	5.7273D-01	9.0871D+00	8.5274D-06	7.8128D-04	1.5401D+01	2.5387D+01	3.0775D-05
2.9608D-02	5.5499D+00	9.3421D-01	5.6525D-01	9.1923D+00	6.3920D-06	7.7829D-04	2.0470D+01	3.3831D+01	2.3005D-05
1.9738D-02	5.5518D+00	9.2424D-01	5.5772D-01	9.3402D+00	4.2589D-06	7.7529D-04	3.0605D+01	5.0719D+01	1.5286D-05
9.8692D-03	5.5537D+00	9.1421D-01	5.5013D-01	9.5921D+00	2.1283D-06	7.7227D-04	6.1006D+01	1.0138D+02	7.6175D-06
8.8823D-03	5.5538D+00	9.1320D-01	5.4936D-01	9.6303D+00	1.9154D-06	7.7196D-04	6.7762D+01	1.1264D+02	6.8534D-06
7.8954D-03	5.5540D+00	9.1219D-01	5.4860D-01	9.6710D+00	1.7024D-06	7.7166D-04	7.6206D+01	1.2671D+02	6.0899D-06
6.9085D-03	5.5542D+00	9.1119D-01	5.4784D-01	9.7214D+00	1.4896D-06	7.7136D-04	8.7062D+01	1.4481D+02	5.3268D-06
5.9215D-03	5.5544D+00	9.1018D-01	5.4707D-01	9.7773D+00	1.2767D-06	7.7105D-04	1.0154D+02	1.6833D+02	4.5643D-06
4.9346D-03	5.5546D+00	9.0917D-01	5.4631D-01	9.8434D+00	1.0638D-06	7.7075D-04	1.2180D+02	2.0271D+02	3.8023D-06

SUPERHEATED VAPOR PROPERTIES AT T = 1300.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHA (K-1)	BETAS (A ⁰ M-1)	BETAT (ATM-1)	GAMMA (ATM/K)
3.9477D-03	5.5548D+00	9.0816D-01	5.4554D-01	9.9242D+00	8.5103D-07	7.7045D-04	1.5220D+02	2.5337D+02	3.0408D-06
2.9608D-03	5.5550D+00	9.0715D-01	5.4478D-01	1.0028D+01	6.3824D-07	7.7014D-04	2.0287D+02	3.3781D+02	2.2798D-06
1.9738D-03	5.5551D+00	9.0613D-01	5.4401D-01	1.0175D+01	4.2547D-07	7.6984D-04	3.0419D+02	5.0668D+02	1.5194D-06
9.8692D-04	5.5553D+00	9.0512D-01	5.4324D-01	1.0426D+01	2.1272D-07	7.6954D-04	6.0817D+02	1.0133D+03	7.5943D-07
8.8823D-04	5.5553D+00	9.0502D-01	5.4317D-01	1.0464D+01	1.9145D-07	7.6950D-04	6.7572D+02	1.1259D+03	6.8346D-07
7.8954D-04	5.5554D+00	9.0492D-01	5.4309D-01	1.0507D+01	1.7018D-07	7.6947D-04	7.6016D+02	1.2666D+03	6.0750D-07
6.9085D-04	5.5554D+00	9.0482D-01	5.4301D-01	1.0555D+01	1.4890D-07	7.6944D-04	8.6873D+02	1.4476D+03	5.3155D-07
5.9215D-04	5.5554D+00	9.0472D-01	5.4293D-01	1.0611D+01	1.2763D-07	7.6941D-04	1.0135D+03	1.6888D+03	4.5560D-07
4.9346D-04	5.5554D+00	9.0461D-01	5.4286D-01	1.0677D+01	1.0636D-07	7.6938D-04	1.2161D+03	2.0266D+03	3.7965D-07
3.9477D-04	5.5554D+00	9.0451D-01	5.4278D-01	1.0757D+01	8.5086D-08	7.6935D-04	1.5201D+03	2.5332D+03	3.0371D-07
2.9608D-04	5.5555D+00	9.0441D-01	5.4270D-01	1.0861D+01	6.3814D-08	7.6932D-04	2.0267D+03	3.3776D+03	2.2777D-07
1.9738D-04	5.5555D+00	9.0431D-01	5.4263D-01	1.1008D+01	4.2542D-08	7.6929D-04	3.0400D+03	5.0663D+03	1.5184D-07
9.8692D-05	5.5555D+00	9.0421D-01	5.4255D-01	1.1259D+01	2.1271D-08	7.6926D-04	6.0798D+03	1.0133D+04	7.5920D-08
8.8823D-05	5.5555D+00	9.0420D-01	5.4254D-01	1.1297D+01	1.9144D-08	7.6926D-04	6.7553D+03	1.1258D+04	6.8328D-08
7.8954D-05	5.5555D+00	9.0419D-01	5.4254D-01	1.1339D+01	1.7017D-08	7.6926D-04	7.5997D+03	1.2666D+04	6.0735D-08
6.9085D-05	5.5555D+00	9.0418D-01	5.4253D-01	1.1388D+01	1.4890D-08	7.6925D-04	8.6854D+03	1.4475D+04	5.3143D-08
5.9215D-05	5.5555D+00	9.0417D-01	5.4252D-01	1.1443D+01	1.2763D-08	7.6925D-04	1.0133D+04	1.6888D+04	4.5551D-08
4.9346D-05	5.5555D+00	9.0416D-01	5.4251D-01	1.1509D+01	1.0636D-08	7.6925D-04	1.2159D+04	2.0266D+04	3.7959D-08
3.9477D-05	5.5555D+00	9.0415D-01	5.4251D-01	1.1590D+01	8.5084D-09	7.6924D-04	1.5199D+04	2.5331D+04	3.0367D-08
2.9608D-05	5.5555D+00	9.0414D-01	5.4250D-01	1.1694D+01	6.3813D-09	7.6924D-04	2.0266D+04	3.3775D+04	2.2775D-08
1.9738D-05	5.5555D+00	9.0413D-01	5.4249D-01	1.1841D+01	4.2542D-09	7.6924D-04	3.0398D+04	5.0663D+04	1.5184D-08
9.8692D-06	5.5555D+00	9.0412D-01	5.4248D-01	1.2091D+01	2.1271D-09	7.6923D-04	6.0796D+04	1.0133D+05	7.5917D-09
8.8823D-06	5.5555D+00	9.0412D-01	5.4248D-01	1.2129D+01	1.9144D-09	7.6923D-04	6.7551D+04	1.1258D+05	6.8326D-09
7.8954D-06	5.5555D+00	9.0412D-01	5.4248D-01	1.2172D+01	1.7017D-09	7.6923D-04	7.5995D+04	1.2666D+05	6.0734D-09
6.9085D-06	5.5555D+00	9.0412D-01	5.4248D-01	1.2220D+01	1.4890D-09	7.6923D-04	8.6852D+04	1.4475D+05	5.3142D-09
5.9215D-06	5.5555D+00	9.0411D-01	5.4248D-01	1.2276D+01	1.2763D-09	7.6923D-04	1.0133D+05	1.6888D+05	4.5550D-09

SUPERHEATED VAPOR PROPERTIES AT T = 1300.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAV (ATM/K)
4.9346D-06	5.5555D+00	9.0411D-01	5.4248D-01	1.2342D+01	1.0635D-09	7.6923D-04	1.2159D+05	2.0265D+05	3.7959D-09
3.9477D-06	5.5555D+00	9.0411D-01	5.4248D-01	1.2423D+01	8.5084D-10	7.6923D-04	1.5199D+05	2.5331D+05	3.0367D-09
2.9608D-06	5.5555D+00	9.0411D-01	5.4248D-01	1.2527D+01	6.3813D-10	7.6923D-04	2.0265D+05	3.3775D+05	2.2775D-09
1.9738D-06	5.5555D+00	9.0411D-01	5.4248D-01	1.2673D+01	4.2542D-10	7.6923D-04	3.0398D+05	5.0662D+05	1.5183D-09
9.8692D-07	5.5555D+00	9.0411D-01	5.4247D-01	1.2924D+01	2.1271D-10	7.6923D-04	6.0796D+05	1.0132D+06	7.5917D-10
8.8823D-07	5.5555D+00	9.0411D-01	5.4247D-01	1.2962D+01	1.9144D-10	7.6923D-04	6.7551D+05	1.1258D+06	6.8325D-10
7.8954D-07	5.5555D+00	9.0411D-01	5.4247D-01	1.3005D+01	1.7017D-10	7.6923D-04	7.5995D+05	1.2666D+06	6.0734D-10
6.9085D-07	5.5555D+00	9.0411D-01	5.4247D-01	1.3053D+01	1.4890D-10	7.6923D-04	8.6851D+05	1.4475D+06	5.3142D-10
5.9215D-07	5.5555D+00	9.0411D-01	5.4247D-01	1.3109D+01	1.2763D-10	7.6923D-04	1.0133D+06	1.6887D+06	4.5550D-10
4.9346D-07	5.5555D+00	9.0411D-01	5.4247D-01	1.3175D+01	1.0635D-10	7.6923D-04	1.2159D+06	2.0265D+06	3.7959D-10
3.9477D-07	5.5555D+00	9.0411D-01	5.4247D-01	1.3255D+01	8.5084D-11	7.6923D-04	1.5199D+06	2.5331D+06	3.0367D-10
2.9608D-07	5.5555D+00	9.0411D-01	5.4247D-01	1.3359D+01	6.3813D-11	7.6923D-04	2.0265D+06	3.3775D+06	2.2775D-10
1.9738D-07	5.5555D+00	9.0411D-01	5.4247D-01	1.3506D+01	4.2542D-11	7.6923D-04	3.0398D+06	5.0662D+06	1.5183D-10
9.8692D-08	5.5555D+00	9.0411D-01	5.4247D-01	1.3757D+01	2.1271D-11	7.6923D-04	6.0796D+06	1.0132D+07	7.5917D-11
8.8823D-08	5.5555D+00	9.0411D-01	5.4247D-01	1.3795D+01	1.9144D-11	7.6923D-04	6.7551D+06	1.1258D+07	6.8325D-11
7.8954D-08	5.5555D+00	9.0411D-01	5.4247D-01	1.3837D+01	1.7017D-11	7.6923D-04	7.5995D+06	1.2666D+07	6.0734D-11
6.9085D-08	5.5555D+00	9.0411D-01	5.4247D-01	1.3886D+01	1.4890D-11	7.6923D-04	8.6851D+06	1.4475D+07	5.3142D-11
5.9215D-08	5.5555D+00	9.0411D-01	5.4247D-01	1.3942D+01	1.2763D-11	7.6923D-04	1.0133D+07	1.6887D+07	4.5550D-11
4.9346D-08	5.5555D+00	9.0411D-01	5.4247D-01	1.4007D+01	1.0635D-11	7.6923D-04	1.2159D+07	2.0265D+07	3.7959D-11
3.9477D-08	5.5555D+00	9.0411D-01	5.4247D-01	1.4088D+01	8.5084D-12	7.6923D-04	1.5199D+07	2.5331D+07	3.0367D-11
2.9608D-08	5.5555D+00	9.0411D-01	5.4247D-01	1.4192D+01	6.3813D-12	7.6923D-04	2.0265D+07	3.3775D+07	2.2775D-11
1.9738D-08	5.5555D+00	9.0411D-01	5.4247D-01	1.4339D+01	4.2542D-12	7.6923D-04	3.0398D+07	5.0662D+07	1.5183D-11
9.8692D-09	5.5555D+00	9.0411D-01	5.4247D-01	1.4589D+01	2.1271D-12	7.6923D-04	6.0796D+07	1.0132D+08	7.5917D-12
8.8823D-09	5.5555D+00	9.0411D-01	5.4247D-01	1.4628D+01	1.9144D-12	7.6923D-04	6.7551D+07	1.1258D+08	6.8325D-12
7.8954D-09	5.5555D+00	9.0411D-01	5.4247D-01	1.4670D+01	1.7017D-12	7.6923D-04	7.5995D+07	1.2666D+08	6.0734D-12
6.9085D-09	5.5555D+00	9.0411D-01	5.4247D-01	1.4718D+01	1.4890D-12	7.6923D-04	8.6851D+07	1.4475D+08	5.3142D-12

SUPERHEATED VAPOR PROPERTIES AT T = 1300.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAS (ATM-1)	GAMMAF (ATM/K)
5.9215D-09	5.5555D+00	9.0411D-01	5.4247D-01	1.4774D+01	1.2763D-12	7.6923D-04	1.0133D+08	1.6887D+08	4.5550D-12
4.9346D-09	5.5555D+00	9.0411D-01	5.4247D-01	1.4840D+01	1.0635D-12	7.6923D-04	1.2159D+08	2.0265D+08	3.7959D-12
3.9477D-09	5.5555D+00	9.0411D-01	5.4247D-01	1.4921D+01	8.5084D-13	7.6923D-04	1.5199D+08	2.5331D+08	3.0367D-12
2.9608D-09	5.5555D+00	9.0411D-01	5.4247D-01	1.5025D+01	6.3813D-13	7.6923D-04	2.0265D+08	3.3775D+08	2.2775D-12
1.9738D-09	5.5555D+00	9.0411D-01	5.4247D-01	1.5172D+01	4.2542D-13	7.6923D-04	3.0398D+08	5.0662D+08	1.5183D-12

SUPERHEATED VAPOUR PROPERTIES AT T = 1400.0K

P (ATM)	H-B (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAV (ATM/K)
4.346D+00	5.2457D+00	2.2709D+00	1.4569D+00	7.1576D+00	1.1260D-03	1.2073D-03	1.4461D-01	2.2540D-01	5.3560D-03
3.9477D+00	5.3095D+00	2.1060D+00	1.3616D+00	7.2748D+00	8.8040D-04	1.1315D-03	1.7902D-01	2.7689D-01	4.0863D-03
2.9608D+00	5.3790D+00	1.9074D+00	1.2393D+00	7.4190D+00	6.4471D-04	1.0496D-03	2.3556D-01	3.6254D-01	2.8950D-03
1.9738D+00	5.4560D+00	1.6617D+00	1.0791D+00	7.6106D+00	4.1904D-04	9.5827D-04	3.4629D-01	5.3326D-01	1.7970D-03
9.8692E-01	5.5434D+00	1.3435D+00	8.6044D-01	7.9129D+00	2.0380D-04	8.5088D-04	6.6783D-01	1.0428D+00	8.1599D-04
8.8823D-01	5.5529D+00	1.3062D+00	8.3408D-01	7.9567D+00	1.8288D-04	8.3883D-04	7.3800D-01	1.1557D+00	7.2582D-04
7.8954D-01	5.5625D+00	1.2676D+00	8.0670D-01	8.0050D+00	1.6208D-04	8.2648D-04	8.2533D-01	1.2968D+00	6.3732D-04
6.9085D-01	5.5723D+00	1.2276D+00	7.7825D-01	8.0592D+00	1.4139D-04	8.1382D-04	9.3706D-01	1.4782D+00	5.5056D-04
5.9215D-01	5.5822D+00	1.1863D+00	7.4864D-01	8.1209D+00	1.2082D-04	8.0081D-04	1.0853D+00	1.7198D+00	4.6563D-04
4.9346D-01	5.5924D+00	1.1435D+00	7.1783D-01	8.1929D+00	1.0037D-04	7.8744D-04	1.2919D+00	2.0580D+00	3.8262D-04
3.9477D-01	5.6027D+00	1.0992D+00	6.8572D-01	8.2798D+00	8.0046D-05	7.7369D-04	1.6002D+00	2.5651D+00	3.0162D-04
2.9608D-01	5.6132D+00	1.0532D+00	6.5222D-01	8.3901D+00	5.9843D-05	7.5953D-04	2.1118D+00	3.4100D+00	2.2274D-04
1.9738D-01	5.6239D+00	1.0054D+00	6.1726D-01	8.5432D+00	3.9766D-05	7.4492D-04	3.1306D+00	5.0992D+00	1.4609D-04
9.8692D-02	5.6348D+00	9.5576D-01	5.8071D-01	8.8005D+00	1.9818D-05	7.2985D-04	6.1767D+00	1.0166D+01	7.1794D-05
8.8823D-02	5.6359D+00	9.5068D-01	5.7696D-01	8.8392D+00	1.7030D-05	7.2832D-04	6.8529D+00	1.1292D+01	6.4499D-05
7.8954D-02	5.6370D+00	9.4559D-01	5.7320D-01	8.8825D+00	1.5844D-05	7.2678D-04	7.6980D+00	1.2699D+01	5.7230D-05
6.9085D-02	5.6381D+00	9.4048D-01	5.6942D-01	8.9315D+00	1.3859D-05	7.2524D-04	8.7844D+00	1.4509D+01	4.9987D-05
5.9215D-02	5.6392D+00	9.3534D-01	5.6562D-01	8.9879D+00	1.1875D-05	7.2369D-04	1.0233D+01	1.6921D+01	4.2768D-05
4.9346D-02	5.6403D+00	9.3019D-01	5.6181D-01	9.0545D+00	9.8924D-06	7.2213D-04	1.2260D+01	2.0299D+01	3.5575D-05
3.9477D-02	5.6414D+00	9.2501D-01	5.5798D-01	9.1359D+00	7.9113D-06	7.2058D-04	1.5300D+01	2.5365D+01	2.8408D-05
2.9608D-02	5.6426D+00	9.1962D-01	5.5413D-01	9.2406D+00	5.9315D-06	7.1901D-04	2.0368D+01	3.3809D+01	2.1267D-05
1.9738D-02	5.6437D+00	9.1460D-01	5.5026D-01	9.3879D+00	3.9530D-06	7.1744D-04	3.0501D+01	5.0696D+01	1.4152D-05
9.8692D-03	5.6448D+00	9.0937D-01	5.4638D-01	9.6392D+00	1.9758D-06	7.1587D-04	6.0900D+01	1.0136D+02	7.0627D-06
8.8823D-03	5.6449D+00	9.0884D-01	5.4599D-01	9.6774D+00	1.7782D-06	7.1571D-04	6.7655D+01	1.1262D+02	6.3552D-06
7.8954D-03	5.6450D+00	9.0832D-01	5.4560D-01	9.7201D+00	1.5806D-06	7.1555D-04	7.6099D+01	1.2669D+02	5.6480D-06
6.9085D-03	5.6451D+00	9.0779D-01	5.4521D-01	9.7684D+00	1.3829D-06	7.1539D-04	8.6955D+01	1.4478D+02	4.9411D-06

SUPERHEATED VAPOR PROPERTIES AT T = 1400.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	HBO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAV (ATM/K)
5.9215D-03	5.6453D+00	9.0726D-01	5.4482D-01	9.8242D+00	1.1853D-06	7.1523D-04	1.0143D+02	1.6891D+02	4.2344D-06
4.9346D-03	5.6454D+00	9.0674D-01	5.4443D-01	9.8902D+00	9.8775D-07	7.1508D-04	1.2170D+02	2.0268D+02	3.5280D-06
3.9477D-03	5.6455D+00	9.0621D-01	5.4404D-01	9.9710D+00	7.9017D-07	7.1492D-04	1.5209D+02	2.5335D+02	2.8219D-06
2.9608D-03	5.6456D+00	9.0569D-01	5.4365D-01	1.0075D+01	5.9261D-07	7.1476D-04	2.0276D+02	3.3778D+02	2.1160D-06
1.9738D-03	5.6457D+00	9.0516D-01	5.4326D-01	1.0222D+01	3.9506D-07	7.1460D-04	3.0408D+02	5.0666D+02	1.4104D-06
9.8692D-04	5.6458D+00	9.0463D-01	5.4286D-01	1.0473D+01	1.9752D-07	7.1444D-04	6.0806D+02	1.0133D+03	7.0508D-07
8.8823D-04	5.6458D+00	9.0458D-01	5.4283D-01	1.0511D+01	1.7777D-07	7.1443D-04	6.7562D+02	1.1259D+03	6.3456D-07
7.8954D-04	5.6458D+00	9.0453D-01	5.4279D-01	1.0553D+01	1.5802D-07	7.1441D-04	7.6005D+02	1.2666D+03	5.6404D-07
6.9085D-04	5.6458D+00	9.0448D-01	5.4275D-01	1.0602D+01	1.3826D-07	7.1440D-04	8.6862D+02	1.4475D+03	4.9353D-07
5.9215D-04	5.6459D+00	9.0442D-01	5.4271D-01	1.0657D+01	1.1851D-07	7.1438D-04	1.0134D+03	1.6888D+03	4.2301D-07
4.9346D-04	5.6459D+00	9.0437D-01	5.4267D-01	1.0723D+01	9.8760D-08	7.1436D-04	1.2160D+03	2.0265D+03	3.5251D-07
3.9477D-04	5.6459D+00	9.0432D-01	5.4263D-01	1.0804D+01	7.9007D-08	7.1435D-04	1.5200D+03	2.5332D+03	2.8200D-07
2.9608D-04	5.6459D+00	9.0427D-01	5.4259D-01	1.0908D+01	5.9255D-08	7.1433D-04	2.0266D+03	3.3775D+03	2.1150D-07
1.9738D-04	5.6459D+00	9.0421D-01	5.4255D-01	1.1055D+01	3.9503D-08	7.1432D-04	3.0399D+03	5.0663D+03	1.4099D-07
9.8692D-05	5.6459D+00	9.0416D-01	5.4251D-01	1.1305D+01	1.9752D-08	7.1430D-04	6.0797D+03	1.0133D+04	7.0496D-08
8.8823D-05	5.6459D+00	9.0415D-01	5.4251D-01	1.1343D+01	1.7776D-08	7.1430D-04	6.7552D+03	1.1258D+04	6.3446D-08
7.8954D-05	5.6459D+00	9.0415D-01	5.4251D-01	1.1386D+01	1.5801D-08	7.1430D-04	7.5996D+03	1.2666D+04	5.6396D-08
6.9085D-05	5.6459D+00	9.0414D-01	5.4250D-01	1.1434D+01	1.3826D-08	7.1430D-04	8.6853D+03	1.4475D+04	4.9347D-08
5.9215D-05	5.6459D+00	9.0414D-01	5.4250D-01	1.1490D+01	1.1851D-08	7.1430D-04	1.0133D+04	1.6888D+04	4.2297D-08
4.9346D-05	5.6459D+00	9.0413D-01	5.4249D-01	1.1556D+01	9.8758D-09	7.1429D-04	1.2159D+04	2.0265D+04	3.5248D-08
3.9477D-05	5.6459D+00	9.0413D-01	5.4249D-01	1.1637D+01	7.9007D-09	7.1429D-04	1.5199D+04	2.5331D+04	2.8198D-08
2.9608D-05	5.6459D+00	9.0412D-01	5.4249D-01	1.1741D+01	5.9255D-09	7.1429D-04	2.0265D+04	3.3775D+04	2.1148D-08
1.9738D-05	5.6459D+00	9.0412D-01	5.4248D-01	1.1887D+01	3.9503D-09	7.1429D-04	3.0398D+04	5.0663D+04	1.4099D-08
9.8692D-06	5.6459D+00	9.0411D-01	5.4248D-01	1.2138D+01	1.9752D-09	7.1429D-04	6.0796D+04	1.0133D+05	7.0495D-09
8.8823D-06	5.6459D+00	9.0411D-01	5.4248D-01	1.2176D+01	1.7776D-09	7.1429D-04	6.7551D+04	1.1258D+05	6.3445D-09
7.8954D-06	5.6459D+00	9.0411D-01	5.4248D-01	1.2219D+01	1.5801D-09	7.1429D-04	7.5995D+04	1.2666D+05	5.6396D-09

SUPERHEATED VAPOR PROPERTIES AT T = 1400.0K

P (ATM)	H-H (298) (KJ/G)	C _P (J/G-K)	C _V (J/G-K)	S (J/G-K)	HHO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAV (ATM/K)
6.9085D-06	5.6459D+00	9.0411D-01	5.4248D-01	1.2267D+01	1.3826D-09	7.1429D-04	8.6851D+04	1.4475D+05	4.9346D-09
5.9215D-06	5.6459D+00	9.0411D-01	5.4248D-01	1.2323D+01	1.1851D-09	7.1429D-04	1.0133D+05	1.6887D+05	4.2297D-09
4.9346D-06	5.6459D+00	9.0411D-01	5.4248D-01	1.2389D+01	9.8758D-10	7.1429D-04	1.2159D+05	2.0265D+05	3.5247D-09
3.9477D-06	5.6459D+00	9.0411D-01	5.4247D-01	1.2469D+01	7.9006D-10	7.1429D-04	1.5199D+05	2.5331D+05	2.8198D-09
2.9608D-06	5.6459D+00	9.0411D-01	5.4247D-01	1.2573D+01	5.9255D-10	7.1429D-04	2.0265D+05	3.3775D+05	2.1148D-09
1.9738D-06	5.6459D+00	9.0411D-01	5.4247D-01	1.2720D+01	3.9503D-10	7.1429D-04	3.0398D+05	5.0662D+05	1.4099D-09
9.8692D-07	5.6459D+00	9.0411D-01	5.4247D-01	1.2971D+01	1.9752D-10	7.1429D-04	6.0796D+05	1.0132D+06	7.0495D-10
8.8823D-07	5.6459D+00	9.0411D-01	5.4247D-01	1.3009D+01	1.7776D-10	7.1429D-04	6.7551D+05	1.1258D+06	6.3445D-10
7.8954D-07	5.6459D+00	9.0411D-01	5.4247D-01	1.3051D+01	1.5801D-10	7.1429D-04	7.5995D+05	1.2666D+06	5.6396D-10
6.9085D-07	5.6459D+00	9.0411D-01	5.4247D-01	1.3100D+01	1.3826D-10	7.1429D-04	8.6851D+05	1.4475D+06	4.9346D-10
5.9215D-07	5.6459D+00	9.0411D-01	5.4247D-01	1.3155D+01	1.1851D-10	7.1429D-04	1.0133D+06	1.6887D+06	4.2297D-10
4.9346D-07	5.6459D+00	9.0411D-01	5.4247D-01	1.3221D+01	9.8758D-11	7.1429D-04	1.2159D+06	2.0265D+06	3.5247D-10
3.9477D-07	5.6459D+00	9.0411D-01	5.4247D-01	1.3302D+01	7.9006D-11	7.1429D-04	1.5199D+06	2.5331D+06	2.8198D-10
2.9608D-07	5.6459D+00	9.0411D-01	5.4247D-01	1.3406D+01	5.9255D-11	7.1429D-04	2.0265D+06	3.3775D+06	2.1148D-10
1.9738D-07	5.6459D+00	9.0411D-01	5.4247D-01	1.3553D+01	3.9503D-11	7.1429D-04	3.0398D+06	5.0662D+06	1.4099D-10
9.8692D-08	5.6459D+00	9.0411D-01	5.4247D-01	1.3803D+01	1.9752D-11	7.1429D-04	6.0796D+06	1.0132D+07	7.0495D-11
8.8823D-08	5.6459D+00	9.0411D-01	5.4247D-01	1.3841D+01	1.7776D-11	7.1429D-04	6.7551D+06	1.1258D+07	6.3445D-11
7.8954D-08	5.6459D+00	9.0411D-01	5.4247D-01	1.3884D+01	1.5801D-11	7.1429D-04	7.5995D+06	1.2666D+07	5.6396D-11
6.9085D-08	5.6459D+00	9.0411D-01	5.4247D-01	1.3932D+01	1.3826D-11	7.1429D-04	8.6851D+06	1.4475D+07	4.9346D-11
5.9215D-08	5.6459D+00	9.0411D-01	5.4247D-01	1.3988D+01	1.1851D-11	7.1429D-04	1.0133D+07	1.6887D+07	4.2297D-11
4.9346D-08	5.6459D+00	9.0411D-01	5.4247D-01	1.4054D+01	9.8758D-12	7.1429D-04	1.2159D+07	2.0265D+07	3.5247D-11
3.9477D-08	5.6459D+00	9.0411D-01	5.4247D-01	1.4135D+01	7.9006D-12	7.1429D-04	1.5199D+07	2.5331D+07	2.8198D-11
2.9608D-08	5.6459D+00	9.0411D-01	5.4247D-01	1.4239D+01	5.9255D-12	7.1429D-04	2.0265D+07	3.3775D+07	2.1148D-11
1.9738D-08	5.6459D+00	9.0411D-01	5.4247D-01	1.4385D+01	3.9503D-12	7.1429D-04	3.0398D+07	5.0662D+07	1.4099D-11
9.8692D-09	5.6459D+00	9.0411D-01	5.4247D-01	1.4636D+01	1.9752D-12	7.1429D-04	6.0796D+07	1.0132D+08	7.0495D-12
8.8823D-09	5.6459D+00	9.0411D-01	5.4247D-01	1.4674D+01	1.7776D-12	7.1429D-04	6.7551D+07	1.1258D+08	6.3445D-12

SUPERHEATED VAPOR PROPERTIES AT T = 1400.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAV (ATM/K)
7.8954D-09	5.6459D+00	9.0411D-01	5.4247D-01	1.4717D+01	1.5801D-12	7.1429D-04	7.5995D+07	1.2666D+08	5.6396D-12
6.9085D-09	5.6459D+00	9.0411D-01	5.4247D-01	1.4765D+01	1.3826D-12	7.1429D-04	8.6851D+07	1.4475D+08	4.9346D-12
5.9215D-09	5.6459D+00	9.0411D-01	5.4247D-01	1.4821D+01	1.1851D-12	7.1429D-04	1.0133D+08	1.6887D+08	4.2297D-12
4.9346D-09	5.6459D+00	9.0411D-01	5.4247D-01	1.4887D+01	9.8758D-13	7.1429D-04	1.2159D+08	2.0265D+08	3.5247D-12

SUPERHEATED VAPOR PROPERTIES AT T = 1500.0K

P (ATM)	H-B (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAV (ATM/K)
8.8692D+00	5.2384D+00	2.3300D+00	1.4384D+00	6.9180D+00	2.1849D-03	1.2247D-03	7.2181D-02	1.1692D-01	1.0474D-02
9.8823D+00	5.2775D+00	2.2513D+00	1.4006D+00	6.9764D+00	1.9362D-03	1.1795D-03	7.9801D-02	1.2827D-01	9.1953D-03
7.8954D+00	5.3180D+00	2.1638D+00	1.3562D+00	7.0402D+00	1.6945D-03	1.1330D-03	8.9286D-02	1.4246D-01	7.9531D-03
6.9085D+00	5.3601D+00	2.0669D+00	1.3044D+00	7.1107D+00	1.4596D-03	1.0851D-03	1.0142D-01	1.6070D-01	6.7526D-03
5.9215D+00	5.4041D+00	1.9595D+00	1.2441D+00	7.1897D+00	1.2314D-03	.0360D-03	1.1748D-01	1.8503D-01	5.5987D-03
4.9346D+00	5.4503D+00	1.8402D+00	1.1738D+00	7.2802D+00	1.0097D-03	9.8523D-04	1.3977D-01	2.1912D-01	4.4962D-03
3.9477D+00	5.4990D+00	1.7065D+00	1.0915D+00	7.3870D+00	7.9456D-04	9.3240D-04	1.7285D-01	2.7024D-01	3.4502D-03
2.9608D+00	5.5510D+00	1.5545D+00	9.9397D-01	7.5190D+00	5.8584D-04	8.7647D-04	2.2721D-01	3.5535D-01	2.4665D-03
1.9738D+00	5.6069D+00	1.3780D+00	8.7623D-01	7.6961D+00	3.8364D-04	8.1572D-04	3.3397D-01	5.2520D-01	1.5532D-03
9.8692D-01	5.6681D+00	1.1666D+00	7.3025D-01	7.9803D+00	1.8820D-04	7.4732D-04	6.4673D-01	1.0332D+00	7.2329D-04
8.8823D-01	5.6746D+00	1.1430D+00	7.1364D-01	8.0220D+00	1.6905D-04	7.3990D-04	7.1547D-01	1.1460D+00	6.4565D-04
7.8954D-01	5.6811D+00	1.1189D+00	6.9661D-01	8.0682D+00	1.4996D-04	7.3235D-04	8.0118D-01	1.2869D+00	5.6909D-04
6.9085D-01	5.6878D+00	1.0942D+00	6.7913D-01	8.1202D+00	1.3095D-04	7.2468D-04	9.1110D-01	1.4680D+00	4.9365D-04
5.9215D-01	5.6945D+00	1.0690D+00	6.6118D-01	8.1796D+00	1.1202D-04	7.1686D-04	1.0573D+00	1.7094D+00	4.1936D-04
4.9346D-01	5.7012D+00	1.0432D+00	6.4275D-01	8.2493D+00	9.3156D-05	7.0890D-04	1.2615D+00	2.0474D+00	3.4625D-04
3.9477D-01	5.7081D+00	1.0167D+00	6.2381D-01	8.3338D+00	7.4370D-05	7.0079D-04	1.5672D+00	2.5542D+00	2.7437D-04
2.9608D-01	5.7150D+00	9.8960D-01	6.0434D-01	8.4417D+00	5.5661D-05	6.9252D-04	2.0756D+00	3.3988D+00	2.0375D-04
1.9738D-01	5.7220D+00	9.6182D-01	5.8431D-01	8.5922D+00	3.7029D-05	6.8408D-04	3.0908D+00	5.0878D+00	1.3446D-04
9.8692D-02	5.7291D+00	9.3333D-01	5.6369D-01	8.8469D+00	1.8475D-05	6.7547D-04	6.1328D+00	1.0154D+01	6.6521D-05
8.8823D-02	5.7299D+00	9.3044D-01	5.6160D-01	8.8854D+00	1.6624D-05	6.7459D-04	6.8085D+00	1.1280D+01	5.9804D-05
7.8954D-02	5.7306D+00	9.2755D-01	5.5950D-01	8.9284D+00	1.4773D-05	6.7372D-04	7.6531D+00	1.2687D+01	5.3102D-05
6.9085D-02	5.7313D+00	9.2464D-01	5.5739D-01	8.9770D+00	1.2924D-05	6.7285D-04	8.7390D+00	1.4497D+01	4.6413D-05
5.9215D-02	5.7320D+00	9.2173D-01	5.5528D-01	9.0332D+00	1.1075D-05	6.7197D-04	1.0187D+01	1.6909D+01	3.9740D-05
4.9346D-02	5.7327D+00	9.1881D-01	5.5316D-01	9.0995D+00	9.2274D-06	6.7109D-04	1.2213D+01	2.0287D+01	3.3080D-05
3.9477D-02	5.7334D+00	9.1589D-01	5.5104D-01	9.1806D+00	7.3803D-06	6.7021D-04	1.5254D+01	2.5353D+01	2.6435D-05
2.9608D-02	5.7342D+00	9.1295D-01	5.4891D-01	9.2851D+00	5.5341D-06	6.6933D-04	2.0320D+01	3.3797D+01	1.9804D-05

SUPERHEATED VAPOR PROPERTIES AT T = 1500.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAT (ATM/K)
1.9738D-02	5.7349D+00	9.1001D-01	5.4677D-01	9.4321D+00	3.6886D-06	6.6844D-04	3.0453D+01	5.0684D+01	1.3188D-05
9.8692D-03	5.7356D+00	9.0706D-01	5.4462D-01	9.6832D+00	1.8439D-06	6.6756D-04	6.0851D+01	1.0135D+02	6.5868D-06
8.8823D-03	5.7357D+00	9.0677D-01	5.4441D-01	9.7213D+00	1.6595D-06	6.6747D-04	6.7606D+01	1.1261D+02	5.9275D-06
7.8954D-03	5.7358D+00	9.0647D-01	5.4419D-01	9.7639D+00	1.4750D-06	6.6738D-04	7.6050D+01	1.2668D+02	5.2683D-06
6.9085D-03	5.7358D+00	9.0618D-01	5.4398D-01	9.8123D+00	1.2906D-06	6.6729D-04	8.6907D+01	1.4477D+02	4.6092D-06
5.9215D-03	5.7359D+00	9.0588D-01	5.4376D-01	9.8681D+00	1.1062D-06	6.6720D-04	1.0138D+02	1.6890D+02	3.9503D-06
4.9346D-03	5.7360D+00	9.0559D-01	5.4355D-01	9.9340D+00	9.2184D-07	6.6711D-04	1.2165D+02	2.0267D+02	3.2916D-06
3.9477D-03	5.7360D+00	9.0529D-01	5.4333D-01	1.0015D+01	7.3746D-07	6.6702D-04	1.5205D+02	2.5333D+02	2.6330D-06
2.9608D-03	5.7361D+00	9.0499D-01	5.4312D-01	1.0119D+01	5.5308D-07	6.6693D-04	2.0271D+02	3.3777D+02	1.9745D-06
1.9738D-03	5.7362D+00	9.0470D-01	5.4290D-01	1.0266D+01	3.6871D-07	6.6684D-04	3.0403D+02	5.0665D+02	1.3162D-06
9.8692D-04	5.7363D+00	9.0440D-01	5.4269D-01	1.0516D+01	1.8435D-07	6.6676D-04	6.0801D+02	1.0133D+03	6.5802D-07
8.8823D-04	5.7363D+00	9.0437D-01	5.4267D-01	1.0554D+01	1.6592D-07	6.6675D-04	6.7557D+02	1.1259D+03	5.9221D-07
7.8954D-04	5.7363D+00	9.0434D-01	5.4265D-01	1.0597D+01	1.4748D-07	6.6674D-04	7.6001D+02	1.2666D+03	5.2641D-07
6.9085D-04	5.7363D+00	9.0431D-01	5.4263D-01	1.0645D+01	1.2905D-07	6.6673D-04	8.6858D+02	1.4475D+03	4.6060D-07
5.9215D-04	5.7363D+00	9.0428D-01	5.4261D-01	1.0701D+01	1.1061D-07	6.6672D-04	1.0133D+03	1.6888D+03	3.9480D-07
4.9346D-04	5.7363D+00	9.0425D-01	5.4258D-01	1.0767D+01	9.2175D-08	6.6671D-04	1.2160D+03	2.0265D+03	3.2899D-07
3.9477D-04	5.7363D+00	9.0422D-01	5.4256D-01	1.0848D+01	7.3740D-08	6.6670D-04	1.5200D+03	2.5331D+03	2.6319D-07
2.9608D-04	5.7363D+00	9.0419D-01	5.4254D-01	1.0952D+01	5.5305D-08	6.6669D-04	2.0266D+03	3.3775D+03	1.9739D-07
1.9738D-04	5.7363D+00	9.0417D-01	5.4252D-01	1.1098D+01	3.6870D-08	6.6668D-04	3.0399D+03	5.0663D+03	1.3159D-07
9.8692D-05	5.7363D+00	9.0414D-01	5.4249D-01	1.1349D+01	1.8435D-08	6.6668D-04	6.0797D+03	1.0133D+04	6.5796D-08
8.8823D-05	5.7363D+00	9.0413D-01	5.4249D-01	1.1387D+01	1.6591D-08	6.6667D-04	6.7552D+03	1.1258D+04	5.9216D-08
7.8954D-05	5.7363D+00	9.0413D-01	5.4249D-01	1.1430D+01	1.4748D-08	6.6667D-04	7.5996D+03	1.2666D+04	5.2636D-08
6.9085D-05	5.7363D+00	9.0413D-01	5.4249D-01	1.1478D+01	1.2904D-08	6.6667D-04	8.6852D+03	1.4475D+04	4.6057D-08
5.9215D-05	5.7363D+00	9.0412D-01	5.4249D-01	1.1534D+01	1.1061D-08	6.6667D-04	1.0133D+04	1.6888D+04	3.9477D-08
4.9346D-05	5.7363D+00	9.0412D-01	5.4248D-01	1.1600D+01	9.2174D-09	6.6667D-04	1.2159D+04	2.0265D+04	3.2898D-08
3.9477D-05	5.7363D+00	9.0412D-01	5.4248D-01	1.1680D+01	7.3739D-09	6.6667D-04	1.5199D+04	2.5331D+04	2.6318D-08

SUPERHEATED VAPOR PROPERTIES AT T = 1500.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	BHO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAV (ATM/K)
2.9608D-05	5.7363D+00	9.0412D-01	5.4248D-01	1.1784D+01	5.5305D-09	6.6667D-04	2.0265D+04	3.3775D+04	1.9739D-08
1.9738D-05	5.7363D+00	9.0411D-01	5.4248D-01	1.1931D+01	3.6870D-09	6.6667D-04	3.0398D+04	5.0663D+04	1.3159D-08
9.8692D-06	5.7363D+00	9.0411D-01	5.4247D-01	1.2182D+01	1.8435D-09	6.6667D-04	6.0796D+04	1.0132D+05	6.5795D-09
6.8823D-06	5.7363D+00	9.0411D-01	5.4247D-01	1.2220D+01	1.6591D-09	6.6667D-04	6.7551D+04	1.1258D+05	5.9215D-09
7.8954D-06	5.7363D+00	9.0411D-01	5.4247D-01	1.2262D+01	1.4748D-09	6.6667D-04	7.5995D+04	1.2666D+05	5.2636D-09
6.9085D-06	5.7363D+00	9.0411D-01	5.4247D-01	1.2311D+01	1.2904D-09	6.6667D-04	8.6851D+04	1.4475D+05	4.6056D-09
5.9215D-06	5.7363D+00	9.0411D-01	5.4247D-01	1.2366D+01	1.1061D-09	6.6667D-04	1.0133D+05	1.6887D+05	3.9477D-09
4.9346D-06	5.7363D+00	9.0411D-01	5.4247D-01	1.2432D+01	9.2174D-10	6.6667D-04	1.2159D+05	2.0265D+05	3.2897D-09
3.9477D-06	5.7363D+00	9.0411D-01	5.4247D-01	1.2513D+01	7.3739D-10	6.6667D-04	1.5199D+05	2.5331D+05	2.6318D-09
2.9608D-06	5.7363D+00	9.0411D-01	5.4247D-01	1.2617D+01	5.5305D-10	6.6667D-04	2.0265D+05	3.3775D+05	1.9738D-09
1.9738D-06	5.7363D+00	9.0411D-01	5.4247D-01	1.2764D+01	3.6870D-10	6.6667D-04	3.0398D+05	5.0662D+05	1.3159D-09
9.8692D-07	5.7353D+00	9.0411D-01	5.4247D-01	1.3014D+01	1.8435D-10	6.6667D-04	6.0796D+05	1.0132D+06	6.5795D-10
8.8823D-07	5.7363D+00	9.0411D-01	5.4247D-01	1.3052D+01	1.6591D-10	6.6667D-04	6.7551D+05	1.1258D+06	5.9215D-10
7.8954D-07	5.7363D+00	9.0411D-01	5.4247D-01	1.3095D+01	1.4748D-10	6.6667D-04	7.5995D+05	1.2666D+06	5.2636D-10
6.9085D-07	5.7363D+00	9.0411D-01	5.4247D-01	1.3143D+01	1.2904D-10	6.6667D-04	8.6851D+05	1.4475D+06	4.6056D-10
5.9215D-07	5.7363D+00	9.0411D-01	5.4247D-01	1.3199D+01	1.1061D-10	6.6667D-04	1.0133D+06	1.6887D+06	3.9477D-10
4.9346D-07	5.7363D+00	9.0411D-01	5.4247D-01	1.3265D+01	9.2174D-11	6.6667D-04	1.2159D+06	2.0265D+06	3.2897D-10
3.9477D-07	5.7363D+00	9.0411D-01	5.4247D-01	1.3346D+01	7.3739D-11	6.6667D-04	1.5199D+06	2.5331D+06	2.6318D-10
2.9608D-07	5.7363D+00	9.0411D-01	5.4247D-01	1.3450D+01	5.5304D-11	6.6667D-04	2.0265D+06	3.3775D+06	1.9738D-10
1.9738D-07	5.7363D+00	9.0411D-01	5.4247D-01	1.3596D+01	3.6870D-11	6.6667D-04	3.0398D+06	5.0662D+06	1.3159D-10
9.8692D-08	5.7363D+00	9.0411D-01	5.4247D-01	1.3847D+01	1.8435D-11	6.6667D-04	6.0796D+06	1.0132D+07	6.5795D-11
8.8823D-08	5.7363D+00	9.0411D-01	5.4247D-01	1.3885D+01	1.6591D-11	6.6667D-04	6.7551D+06	1.1258D+07	5.9215D-11
7.8954D-08	5.7363D+00	9.0411D-01	5.4247D-01	1.3928D+01	1.4748D-11	6.6667D-04	7.5995D+06	1.2666D+07	5.2636D-11
6.9085D-08	5.7363D+00	9.0411D-01	5.4247D-01	1.3976D+01	1.2904D-11	6.6667D-04	8.6851D+06	1.4475D+07	4.6056D-11
5.9215D-08	5.7363D+00	9.0411D-01	5.4247D-01	1.4032D+01	1.1061D-11	6.6667D-04	1.0133D+07	1.6887D+07	3.9477D-11
4.9346D-08	5.7363D+00	9.0411D-01	5.4247D-01	1.4098D+01	9.2174D-12	6.6667D-04	1.2159D+07	2.0265D+07	3.2897D-11

SUPERHEATED VAPOR PROPERTIES AT T = 1500.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAV (ATM/K)
3.9477D-08	5.7363D+00	9.0411D-01	5.4247D-01	1.4178D+01	7.3739D-12	6.6667D-04	1.5199D+07	2.5331D+07	2.6318D-11
2.9608D-08	5.7363D+00	9.0411D-01	5.4247D-01	1.4282D+01	5.5304D-12	6.6667D-04	2.0265D+07	3.3775D+07	1.9738D-11
1.9738D-08	5.7363D+00	9.0411D-01	5.4247D-01	1.4429D+01	3.6870D-12	6.6667D-04	3.0398D+07	5.0662D+07	1.3159D-11

SUPERHEATED VAPOR PROPERTIES AT T = 1600.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAV (ATM/K)
9.8692D+00	5.4517D+00	1.9462D+00	1.2065D+00	7.0399D+00	1.9556D-03	1.0045D-03	7.0053D-02	1.1300D-01	8.8888D-03
8.8823D+00	5.4832D+00	1.8754D+00	1.1686D+00	7.0934D+00	1.7398D-03	9.7118D-04	7.7438D-02	1.2427D-01	7.8148D-03
7.8954D+00	5.5154D+00	1.8000D+00	1.1268D+00	7.1519D+00	1.5287D-03	9.3755D-04	8.6624D-02	1.3838D-01	6.7751D-03
6.9085D+00	5.5487D+00	1.7196D+00	1.0805D+00	7.2166D+00	1.3221D-03	9.0355D-04	9.8364D-02	1.5655D-01	5.7718D-03
5.9215D+00	5.5830D+00	1.6336D+00	1.0293D+00	7.2893D+00	1.1200D-03	8.6006D-04	1.1391D-01	1.8079D-01	4.8070D-03
4.9346D+00	5.6185D+00	1.5411D+00	9.7231D-01	7.3730D+00	9.2235D-04	8.3385D-04	1.3549D-01	2.1475D-01	3.8828D-03
3.9477D+00	5.6556D+00	1.4407D+00	9.0856D-01	7.4722D+00	7.2901D-04	7.9754D-04	1.6755D-01	2.6569D-01	3.0018D-03
2.9608D+00	5.6945D+00	1.3304D+00	8.3648D-01	7.5958D+00	5.4001D-04	7.5955D-04	2.2037D-01	3.5051D-01	2.1670D-03
1.9738D+00	5.7355D+00	1.2073D+00	7.5385D-01	7.7632D+00	3.5540D-04	7.1903D-04	3.2463D-01	5.1992D-01	1.3830D-03
9.8692D-01	5.7794D+00	1.0672D+00	6.5745D-01	8.0363D+00	1.7532D-04	6.7476D-04	6.3282D-01	1.0273D+00	6.5685D-04
8.8823D-01	5.7840D+00	1.0521D+00	6.4689D-01	8.0767D+00	1.5757D-04	6.7007D-04	7.0090D-01	1.1399D+00	5.8781D-04
7.8954D-01	5.7886D+00	1.0367D+00	6.3613D-01	8.1217D+00	1.3986D-04	6.6531D-04	7.8589D-01	1.2807D+00	5.1948D-04
6.9085D-01	5.7932D+00	1.0211D+00	6.2518D-01	8.1723D+00	1.2221D-04	6.6050D-04	8.9503D-01	1.4618D+00	4.5185D-04
5.9215D-01	5.7979D+00	1.0052D+00	6.1403D-01	8.2305D+00	1.0460D-04	6.5563D-04	1.0404D+00	1.7031D+00	3.8496D-04
4.9346D-01	5.8026D+00	9.8902D-01	6.0267D-01	8.2988D+00	8.7045D-05	6.5070D-04	1.2437D+00	2.0410D+00	3.1882D-04
3.9477D-01	5.8073D+00	9.7261D-01	5.9109D-01	8.3820D+00	6.9536D-05	6.4570D-04	1.5483D+00	2.5477D+00	2.5345D-04
2.9608D-01	5.8121D+00	9.5592D-01	5.7929D-01	8.4885D+00	5.2076D-05	6.4063D-04	2.0556D+00	3.3922D+00	1.8886D-04
1.9738D-01	5.8170D+00	9.3895D-01	5.6725D-01	8.6376D+00	3.4667D-05	6.3550D-04	3.0696D+00	5.0810D+00	1.2507D-04
9.8692D-02	5.8218D+00	9.2168D-01	5.5499D-01	8.8908D+00	1.7308D-05	6.3029D-04	6.1102D+00	1.0147D+01	6.2113D-05
8.8823D-02	5.8223D+00	9.1993D-01	5.5375D-01	8.9291D+00	1.5575D-05	6.2976D-04	6.7858D+00	1.1273D+01	5.5864D-05
7.8954D-02	5.8228D+00	9.1819D-01	5.5250D-01	8.9720D+00	1.3842D-05	6.2924D-04	7.6303D+00	1.2681D+01	4.9622D-05
6.9085D-02	5.8233D+00	9.1644D-01	5.5126D-01	9.0205D+00	1.2110D-05	6.2871D-04	8.7160D+00	1.4490D+01	4.3389D-05
5.9215D-02	5.8238D+00	9.1469D-01	5.5001D-01	9.0765D+00	1.0379D-05	6.2818D-04	1.0164D+01	1.6902D+01	3.7165D-05
4.9346D-02	5.8243D+00	9.1293D-01	5.4876D-01	9.1427D+00	8.6477D-06	6.2765D-04	1.2190D+01	2.0280D+01	3.0949D-05
3.9477D-02	5.8248D+00	9.1117D-01	5.4751D-01	9.2237D+00	6.9172D-06	6.2712D-04	1.5230D+01	2.5346D+01	2.4742D-05
2.9608D-02	5.8253D+00	9.0941D-01	5.4625D-01	9.3279D+00	5.1871D-06	6.2659D-04	2.0296D+01	3.3790D+01	1.8544D-05

SUPERHEATED VAPOR PROPERTIES AT T = 1600.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAV (ATM/K)
1.9738D-02	5.8258D+00	9.0764D-01	5.4499D-01	9.4748D+00	3.4576D-06	6.2606D-04	3.0429D+01	5.0677D+01	1.2354D-05
9.8692D-03	5.8263D+00	9.0588D-01	5.4373D-01	9.7258D+00	1.7285D-06	6.2553D-04	6.0827D+01	1.0134D+02	6.1726D-06
8.8823D-03	5.8263D+00	9.0570D-01	5.4361D-01	9.7639D+00	1.5556D-06	6.2548D-04	6.7582D+01	1.1260D+02	5.5550D-06
7.8954D-03	5.8264D+00	9.0552D-01	5.4348D-01	9.8065D+00	1.3828D-06	6.2543D-04	7.6026D+01	1.2667D+02	4.9374D-06
6.9085D-03	5.8264D+00	9.0535D-01	5.4336D-01	9.8548D+00	1.2099D-06	6.2537D-04	8.6883D+01	1.4476D+02	4.3199D-06
5.9215D-03	5.8265D+00	9.0517D-01	5.4323D-01	9.9106D+00	1.0371D-06	6.2532D-04	1.0136D+02	1.6889D+02	3.7025D-06
4.9346D-03	5.8265D+00	9.0499D-01	5.4310D-01	9.9765D+00	8.6420D-07	6.2527D-04	1.2162D+02	2.0266D+02	3.0852D-06
3.9477D-03	5.8266D+00	9.0481D-01	5.4298D-01	1.0057D+01	6.9135D-07	6.2521D-04	1.5202D+02	2.5333D+02	2.4620D-06
2.9608D-03	5.8266D+00	9.0464D-01	5.4285D-01	1.0161D+01	5.1850D-07	6.2516D-04	2.0268D+02	3.3776D+02	1.8509D-06
1.9738D-03	5.8266D+00	9.0446D-01	5.4272D-01	1.0308D+01	3.4566D-07	6.2511D-04	3.0401D+02	5.0664D+02	1.2338D-06
9.8692D-04	5.8267D+00	9.0428D-01	5.4260D-01	1.0559D+01	1.7283D-07	6.2505D-04	6.0800D+02	1.0133D+03	6.1687D-07
8.8823D-04	5.8267D+00	9.0426D-01	5.4259D-01	1.0597D+01	1.5555D-07	6.2505D-04	6.7555D+02	1.1258D+03	5.5518D-07
7.8954D-04	5.8267D+00	9.0425D-01	5.4258D-01	1.0639D+01	1.3826D-07	6.2504D-04	7.5998D+02	1.2666D+03	4.9349D-07
6.9085D-04	5.8267D+00	9.0423D-01	5.4256D-01	1.0688D+01	1.2098D-07	6.2504D-04	8.6855D+02	1.4475D+03	4.3180D-07
5.9215D-04	5.8267D+00	9.0421D-01	5.4255D-01	1.0743D+01	1.0370D-07	6.2503D-04	1.0133D+03	1.6888D+03	3.7011D-07
4.9346D-04	5.8267D+00	9.0419D-01	5.4254D-01	1.0809D+01	8.6414D-08	6.2503D-04	1.2163D+03	2.0265D+03	3.0842D-07
3.9477D-04	5.8267D+00	9.0418D-01	5.4252D-01	1.0890D+01	6.9131D-08	6.2502D-04	1.5199D+03	2.5331D+03	2.4674D-07
2.9608D-04	5.8267D+00	9.0416D-01	5.4251D-01	1.0994D+01	5.1848D-08	6.2502D-04	2.0266D+03	3.3775D+03	1.8505D-07
1.9738D-04	5.8267D+00	9.0414D-01	5.4250D-01	1.1141D+01	3.4565D-08	6.2501D-04	3.0398D+03	5.0663D+03	1.2337D-07
9.8692D-05	5.8267D+00	9.0412D-01	5.4248D-01	1.1391D+01	1.7283D-08	6.2501D-04	6.0796D+03	1.0133D+04	6.1683D-08
8.8823D-05	5.8267D+00	9.0412D-01	5.4248D-01	1.1430D+01	1.5554D-08	6.2500D-04	6.7551D+03	1.1258D+04	5.5515D-08
7.8954D-05	5.8267D+00	9.0412D-01	5.4248D-01	1.1472D+01	1.3826D-08	6.2500D-04	7.5995D+03	1.2666D+04	4.9346D-08
6.9085D-05	5.8267D+00	9.0412D-01	5.4248D-01	1.1520D+01	1.2098D-08	6.2500D-04	8.6852D+03	1.4475D+04	4.3178D-08
5.9215D-05	5.8267D+00	9.0412D-01	5.4248D-01	1.1576D+01	1.0370D-08	6.2500D-04	1.0133D+04	1.6888D+04	3.7010D-08
4.9346D-05	5.8267D+00	9.0411D-01	5.4248D-01	1.1642D+01	8.6413D-09	6.2500D-04	1.2159D+04	2.0265D+04	3.0841D-08
3.9477D-05	5.8267D+00	9.0411D-01	5.4248D-01	1.1723D+01	6.9131D-09	6.2500D-04	1.5199D+04	2.5331D+04	2.4673D-08

SUPERHEATED VAPOR PROPERTIES AT T = 1600.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMAV (ATM/K)
2.9608D-05	5.8267D+00	9.0411D-01	5.4247D-01	1.1827D+01	5.1848D-09	6.2500D-04	2.0265D+04	3.3775D+04	1.8505D-08
1.9738D-05	5.8267D+00	9.0411D-01	5.4247D-01	1.1973D+01	3.4565D-09	6.2500D-04	3.0398D+04	5.0663D+04	1.2337D-08
9.8692D-06	5.8267D+00	9.0411D-01	5.4247D-01	1.2224D+01	1.7283D-09	6.2500D-04	6.0796D+04	1.0132D+05	6.1683D-09
8.8823D-06	5.8267D+00	9.0411D-01	5.4247D-01	1.2262D+01	1.5554D-09	6.2500D-04	6.7551D+04	1.1258D+05	5.5514D-09
7.8954D-06	5.8267D+00	9.0411D-01	5.4247D-01	1.2305D+01	1.3826D-09	6.2500D-04	7.5995D+04	1.2666D+05	4.9346D-09
6.9085D-06	5.8267D+00	9.0411D-01	5.4247D-01	1.2353D+01	1.2098D-09	6.2500D-04	8.6851D+04	1.4475D+05	4.3178D-09
5.9215D-06	5.8267D+00	9.0411D-01	5.4247D-01	1.2409D+01	1.0370D-09	6.2500D-04	1.0133D+05	1.6887D+05	3.7010D-09
4.9346D-06	5.8267D+00	9.0411D-01	5.4247D-01	1.2475D+01	8.6413D-10	6.2500D-04	1.2159D+05	2.0265D+05	3.0841D-09
3.9477D-06	5.8267D+00	9.0411D-01	5.4247D-01	1.2555D+01	6.9131D-10	6.2500D-04	1.5199D+05	2.5331D+05	2.4673D-09
2.9608D-06	5.8267D+00	9.0411D-01	5.4247D-01	1.2659D+01	5.1848D-10	6.2500D-04	2.0265D+05	3.3775D+05	1.8505D-09
1.9738D-06	5.8267D+00	9.0411D-01	5.4247D-01	1.2806D+01	3.4565D-10	6.2500D-04	3.0398D+05	5.0662D+05	1.2337D-09
9.8692D-07	5.8267D+00	9.0411D-01	5.4247D-01	1.3057D+01	1.7283D-10	6.2500D-04	6.0796D+05	1.0132D+06	6.1683D-10
8.8823D-07	5.8267D+00	9.0411D-01	5.4247D-01	1.3095D+01	1.5554D-10	6.2500D-04	6.7551D+05	1.1258D+06	5.5514D-10
7.8954D-07	5.8267D+00	9.0411D-01	5.4247D-01	1.3137D+01	1.3826D-10	6.2500D-04	7.5995D+05	1.2666D+06	4.9346D-10
6.9085D-07	5.8267D+00	9.0411D-01	5.4247D-01	1.3186D+01	1.2098D-10	6.2500D-04	8.6851D+05	1.4475D+06	4.3178D-10
5.9215D-07	5.8267D+00	9.0411D-01	5.4247D-01	1.3242D+01	1.0370D-10	6.2500D-04	1.0133D+06	1.6887D+06	3.7010D-10
4.9346D-07	5.8267D+00	9.0411D-01	5.4247D-01	1.3307D+01	8.6413D-11	6.2500D-04	1.2159D+06	2.0265D+06	3.0841D-10
3.9477D-07	5.8267D+00	9.0411D-01	5.4247D-01	1.3388D+01	6.9131D-11	6.2500D-04	1.5199D+06	2.5331D+06	2.4673D-10
2.9608D-07	5.8267D+00	9.0411D-01	5.4247D-01	1.3492D+01	5.1848D-11	6.2500D-04	2.0265D+06	3.3775D+06	1.8505D-10
1.9738D-07	5.8267D+00	9.0411D-01	5.4247D-01	1.3639D+01	3.4565D-11	6.2500D-04	3.0398D+06	5.0662D+06	1.2337D-10
9.8692D-08	5.8267D+00	9.0411D-01	5.4247D-01	1.3889D+01	1.7283D-11	6.2500D-04	6.0796D+06	1.0132D+07	6.1683D-11
8.8823D-08	5.8267D+00	9.0411D-01	5.4247D-01	1.3928D+01	1.5554D-11	6.2500D-04	6.7551D+06	1.1258D+07	5.5514D-11
7.8954D-08	5.8267D+00	9.0411D-01	5.4247D-01	1.3970D+01	1.3826D-11	6.2500D-04	7.5995D+06	1.2666D+07	4.9346D-11
6.9085D-08	5.8267D+00	9.0411D-01	5.4247D-01	1.4018D+01	1.2098D-11	6.2500D-04	8.6851D+06	1.4475D+07	4.3178D-11
5.9215D-08	5.8267D+00	9.0411D-01	5.4247D-01	1.4074D+01	1.0370D-11	6.2500D-04	1.0133D+07	1.6887D+07	3.7010D-11
4.9346D-08	5.8267D+00	9.0411D-01	5.4247D-01	1.4140D+01	8.6413D-12	6.2500D-04	1.2159D+07	2.0265D+07	3.0841D-11

101

SUPERHEATED VAPOR PROPERTIES AT T = 1600.0K

P (ATM)	H-H (298) (KJ/G)	CP (J/G-K)	CV (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHA P (K-1)	BETAS (ATM-1)	BETAT (ATM-1)	GAMMA P (ATM/K)
3.9477D-08	5.8267D+00	9.0411D-01	5.4247D-01	1.4221D+01	6.9131D-12	6.2500D-04	1.5199D+07	2.5331D+07	2.4673D-11
2.9608D-08	5.8267D+00	9.0411D-01	5.4247D-01	1.4325D+01	5.1848D-12	6.2500D-04	2.0265D+07	3.3775D+07	1.8505D-11
1.9738D-08	5.8267D+00	9.0411D-01	5.4247D-01	1.4472D+01	3.4565D-12	6.2500D-04	3.0398D+07	5.0662D+07	1.2337D-11

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 500.0 K, CV= 0.115110 01 J/G-K

P (ATM)	H-H (298) (J/G)	CP (J/G-K)	S (J/G-K)	EHG (G/CM)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
7.5354D-07	3.8162D 02	1.3301D 00	3.2258D 00	8.9727D-01	2.6248D-04	1.6803D-05	2.1728D-05	1.2080D 01
9.8652E 01	3.9130D 02	1.3292D 00	3.2228D 00	8.9918D-01	2.6040D-04	1.8572D-05	2.1446D-05	1.2142D 01
1.9738D 02	4.0097E 02	1.3284D 00	3.2200D 00	9.0107D-01	2.5837D-04	1.8347D-05	2.1172D-05	1.2203D 01
2.9608E 02	4.1063D 02	1.3275D 00	3.2171D 00	9.0295D-01	2.5640D-04	1.8128D-05	2.0907D-05	1.2264D 01
3.9477D 02	4.2028D 02	1.3267D 00	3.2143D 00	9.0480D-01	2.5448D-04	1.7916D-05	2.0649D-05	1.2324D 01
4.9346D 02	4.2992D 02	1.3259D 00	3.2115D 00	9.0664D-01	2.5261D-04	1.7710D-05	2.0399D-05	1.2383D 01
5.9215D 02	4.3556D 02	1.3251D 00	3.2087D 00	9.0845D-01	2.5079D-04	1.7503D-05	2.0156D-05	1.2442D 01
6.9085D 02	4.4518D 02	1.3243D 00	3.2060D 00	9.1025D-01	2.4901D-04	1.7314D-05	1.9920D-05	1.2501D 01
7.8954D 02	4.5879D 02	1.3236D 00	3.2032D 00	9.1203D-01	2.4728D-04	1.7124D-05	1.9691D-05	1.2558D 01
8.8823D 02	4.6840D 02	1.3228D 00	3.2005D 00	9.1379D-01	2.4559D-04	1.6939D-05	1.9467D-05	1.2615D 01
9.8692D 02	4.7799D 02	1.3221D 00	3.1979D 00	9.1554D-01	2.4394D-04	1.6760D-05	1.9250D-05	1.2672D 01
1.0856D 03	4.8758D 02	1.3214D 00	3.1952D 00	9.1727D-01	2.4233D-04	1.6584D-05	1.9039D-05	1.2728D 01
1.1843D 03	4.9715D 02	1.3207D 00	3.1926D 00	9.1899D-01	2.4076D-04	1.6414D-05	1.8833D-05	1.2784D 01
1.2830D 03	5.0672E 02	1.3201D 00	3.1900D 00	9.2069D-01	2.3922D-04	1.6247D-05	1.8633D-05	1.2839D 01
1.3817D 03	5.1628D 02	1.3194D 00	3.1874D 00	9.2236D-01	2.3772D-04	1.6085D-05	1.8437D-05	1.2893D 01
1.4804D 03	5.2583E 02	1.3188D 00	3.1848D 00	9.2405D-01	2.3625D-04	1.5927D-05	1.8247D-05	1.2948D 01
1.5791D 03	5.3537D 02	1.3182D 00	3.1823D 00	9.2570D-01	2.3482D-04	1.5772D-05	1.8062D-05	1.3001D 01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 600.0 K, CV= 0.10849D 01 J/G-K

P (ATM)	H-H (298) (J/G)	CF (J/G-K)	S (J/G-K)	HHO (G/CC)	ALPHA (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMA (ATM/K)
4.9810D-05	5.1300D 02	1.2991D 00	3.4654D 00	8.7361D-01	2.7186D-04	2.0055D-05	2.4014D-05	1.1321D 01
9.8692D 01	5.2257D 02	1.2979D 00	3.4623D 00	8.7567D-01	2.6949D-04	1.9783D-05	2.3668D-05	1.1386D 01
1.9738D 02	5.3214D 02	1.2968D 00	3.4592D 00	8.7771D-01	2.6718D-04	1.9519D-05	2.3332D-05	1.1451D 01
2.9608D 02	5.4171D 02	1.2957D 00	3.4562D 00	8.7971D-01	2.6494D-04	1.9264D-05	2.3008D-05	1.1515D 01
3.9477D 02	5.5126D 02	1.2947D 00	3.4532D 00	8.8170D-01	2.6277D-04	1.9016D-05	2.2694D-05	1.1579D 01
4.9346D 02	5.6082D 02	1.2937D 00	3.4502D 00	8.8366D-01	2.6065D-04	1.8776D-05	2.2389D-05	1.1642D 01
5.9215D 02	5.7036D 02	1.2927D 00	3.4473D 00	8.8561D-01	2.5860D-04	1.8543D-05	2.2094D-05	1.1704D 01
6.9085D 02	5.7990D 02	1.2917D 00	3.4444D 00	8.8753D-01	2.5659D-04	1.8316D-05	2.1808D-05	1.1766D 01
7.8954D 02	5.8942D 02	1.2908D 00	3.4415D 00	8.8943D-01	2.5464D-04	1.8096D-05	2.1530D-05	1.1827D 01
8.8823D 02	5.9895D 02	1.2898D 00	3.4387D 00	8.9131D-01	2.5274D-04	1.7883D-05	2.1261D-05	1.1888D 01
9.8692D 02	6.0846D 02	1.2889D 00	3.4358D 00	8.9317D-01	2.5090D-04	1.7675D-05	2.0999D-05	1.1948D 01
1.0856D 03	6.1797D 02	1.2881D 00	3.4330D 00	8.9501D-01	2.4909D-04	1.7473D-05	2.0745D-05	1.2007D 01
1.1843D 03	6.2747D 02	1.2872D 00	3.4303D 00	8.9683D-01	2.4733D-04	1.7276D-05	2.0498D-05	1.2066D 01
1.2830D 03	6.3696D 02	1.2864D 00	3.4275D 00	8.9864D-01	2.4562D-04	1.7085D-05	2.0258D-05	1.2125D 01
1.3817D 03	6.4644D 02	1.2855D 00	3.4248D 00	9.0043D-01	2.4395D-04	1.6899D-05	2.0025D-05	1.2182D 01
1.4804D 03	6.5592D 02	1.2848D 00	3.4221D 00	9.0220D-01	2.4232D-04	1.6718D-05	1.9798D-05	1.2240D 01
1.5791D 03	6.6539D 02	1.2840D 00	3.4194D 00	9.0395D-01	2.4072D-04	1.6541D-05	1.9577D-05	1.2297D 01
1.6778D 03	6.7485D 02	1.2832D 00	3.4168D 00	9.0569D-01	2.3917D-04	1.6369D-05	1.9361D-05	1.2353D 01
1.7765D 03	6.8430D 02	1.2825D 00	3.4142D 00	9.0741D-01	2.3765D-04	1.6201D-05	1.9152D-05	1.2409D 01
1.8752D 03	6.9375D 02	1.2817D 00	3.4115D 00	9.0912D-01	2.3616D-04	1.6038D-05	1.8948D-05	1.2464D 01
1.9738D 03	7.0319D 02	1.2810D 00	3.4090D 00	9.1081D-01	2.3471D-04	1.5878D-05	1.8749D-05	1.2519D 01
2.4673D 03	7.5025D 02	1.2777D 00	3.3963D 00	9.1906D-01	2.2792D-04	1.5136D-05	1.7825D-05	1.2786D 01
2.9608D 03	7.9712D 02	1.2746D 00	3.3841D 00	9.2699D-01	2.2181D-04	1.4475D-05	1.7006D-05	1.3043D 01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 700.0 K, CV = 0.102900 01 J/G-K

P (ATM)	H-H(298) (J/G)	CP (J/G-K)	S (J/G-K)	SHO (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAS (1/ATM)	GAMMA (ATM/K)
9.73370-04	6.41750 02	1.27740 00	3.66390 00	8.49780-01	2.81420-04	2.10450-05	2.66200-05	1.05720 01
9.86920 01	6.51200 02	1.27590 00	3.66060 00	8.52000-01	2.78720-04	2.11260-05	2.61950-05	1.06400 01
1.97380 02	6.60640 02	1.27450 00	3.65740 00	8.54180-01	2.76110-04	2.08170-05	2.57840-05	1.07080 01
2.96680 02	6.70080 02	1.27320 00	3.65420 00	8.56340-01	2.73570-04	2.05190-05	2.53880-05	1.07760 01
3.94770 02	6.79520 02	1.27190 00	3.65100 00	8.58480-01	2.71120-04	2.02300-05	2.50050-05	1.08430 01
4.93460 02	6.88960 02	1.27060 00	3.64780 00	8.60580-01	2.68730-04	1.99510-05	2.46350-05	1.09090 01
5.92150 02	6.98390 02	1.26940 00	3.64470 00	8.62660-01	2.66410-04	1.96800-05	2.42770-05	1.09740 01
6.90850 02	7.07820 02	1.26820 00	3.64170 00	8.64720-01	2.64160-04	1.94170-05	2.39310-05	1.10390 01
7.89540 02	7.17250 02	1.26710 00	3.63860 00	8.66750-01	2.61980-04	1.91630-05	2.35960-05	1.11030 01
8.88230 02	7.26670 02	1.26590 00	3.63560 00	8.68750-01	2.59850-04	1.89160-05	2.32710-05	1.11660 01
9.86920 02	7.36080 02	1.26480 00	3.63260 00	8.70740-01	2.57780-04	1.86770-05	2.29560-05	1.12290 01
1.08560 03	7.45490 02	1.26380 00	3.62970 00	8.72700-01	2.55770-04	1.84440-05	2.26510-05	1.12920 01
1.18430 03	7.54890 02	1.26270 00	3.62680 00	8.74640-01	2.53810-04	1.82180-05	2.23560-05	1.13530 01
1.28300 03	7.64290 02	1.26170 00	3.62390 00	8.76560-01	2.51900-04	1.79990-05	2.20690-05	1.14140 01
1.38170 03	7.73690 02	1.26070 00	3.62100 00	8.78460-01	2.50040-04	1.77860-05	2.17900-05	1.14750 01
1.48040 03	7.83080 02	1.25970 00	3.61820 00	8.80340-01	2.48230-04	1.75780-05	2.15190-05	1.15350 01
1.57510 03	7.92460 02	1.25880 00	3.61540 00	8.82200-01	2.46470-04	1.73770-05	2.12560-05	1.15950 01
1.67780 03	8.01840 02	1.25790 00	3.61260 00	8.84040-01	2.44740-04	1.71800-05	2.10010-05	1.16540 01
1.77650 03	8.11210 02	1.25700 00	3.60990 00	8.85860-01	2.43060-04	1.69890-05	2.07530-05	1.17120 01
1.87520 03	8.20570 02	1.25610 00	3.60710 00	8.87670-01	2.41430-04	1.68030-05	2.05110-05	1.17710 01
1.97380 03	8.29930 02	1.25520 00	3.60440 00	8.89460-01	2.39830-04	1.66220-05	2.02760-05	1.18280 01
2.07330 03	8.39630 02	1.25420 00	3.59120 00	8.98150-01	2.32360-04	1.57420-05	1.91900-05	1.21090 01
2.16080 03	9.23160 02	1.24760 00	3.57850 00	9.06440-01	2.25700-04	1.50380-05	1.62330-05	1.23780 01
3.045420 03	9.69520 02	1.24440 00	3.56630 00	9.14440-01	2.19700-04	1.43760-05	1.73850-05	1.26380 01
3.94770 03	1.01570 03	1.24140 00	3.55450 00	9.22180-01	2.14280-04	1.37630-05	1.66270-05	1.28870 01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 800.0 K, CV= 0.982400 00 J/G-K

F (ATM)	H-H (298) (J/G)	CP (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
8.92480-03	7.68740 02	1.26370 00	3.83350 00	8.25800-01	2.91180-04	2.29980-05	2.95840-05	9.84260 00
9.86920 01	7.76030 02	1.26200 00	3.83000 00	8.28190-01	2.88120-04	2.26230-05	2.90620-05	9.91410 00
1.97380 02	7.87320 02	1.26030 00	3.82660 00	8.30550-01	2.85160-04	2.22620-05	2.85600-05	9.98480 00
2.96080 02	7.96610 02	1.25870 00	3.82320 00	8.32870-01	2.82300-04	2.19140-05	2.80760-05	1.00550 01
3.94770 02	8.05910 02	1.25710 00	3.81980 00	8.35160-01	2.79530-04	2.15770-05	2.76100-05	1.01240 01
4.93460 02	8.15210 02	1.25550 00	3.81650 00	8.37420-01	2.76850-04	2.12520-05	2.71610-05	1.01930 01
5.92150 02	8.24500 02	1.25410 00	3.81320 00	8.39650-01	2.74250-04	2.09380-05	2.67280-05	1.02600 01
6.90850 02	8.33800 02	1.25260 00	3.81000 00	8.41850-01	2.71720-04	2.06350-05	2.63100-05	1.03280 01
7.89540 02	8.43100 02	1.25120 00	3.80670 00	8.44030-01	2.69280-04	2.03410-05	2.59060-05	1.03940 01
8.88230 02	8.52390 02	1.24990 00	3.80360 00	8.46170-01	2.66910-04	2.00560-05	2.55160-05	1.04600 01
9.86920 02	8.61690 02	1.24850 00	3.80040 00	8.48290-01	2.64600-04	1.97800-05	2.51390-05	1.05260 01
1.08560 03	8.70980 02	1.24730 00	3.79730 00	8.50380-01	2.62360-04	1.95130-05	2.47740-05	1.05900 01
1.18430 03	8.80270 02	1.24600 00	3.79430 00	8.52450-01	2.60190-04	1.92540-05	2.44210-05	1.06540 01
1.28300 03	8.89560 02	1.24480 00	3.79120 00	8.54490-01	2.58070-04	1.90030-05	2.40780-05	1.07180 01
1.38170 03	8.98840 02	1.24360 00	3.78820 00	8.56510-01	2.56010-04	1.87590-05	2.37470-05	1.07810 01
1.48040 03	9.08130 02	1.24250 00	3.78520 00	8.58500-01	2.54010-04	1.85220-05	2.34250-05	1.08430 01
1.57910 03	9.17410 02	1.24140 00	3.78230 00	8.60480-01	2.52060-04	1.82920-05	2.31140-05	1.09050 01
1.67780 03	9.26680 02	1.24030 00	3.77940 00	8.62430-01	2.50160-04	1.80690-05	2.28110-05	1.09670 01
1.77650 03	9.35960 02	1.23920 00	3.77650 00	8.64360-01	2.48310-04	1.78510-05	2.25180-05	1.10270 01
1.87520 03	9.45230 02	1.23820 00	3.77360 00	8.66270-01	2.46510-04	1.76400-05	2.22130-05	1.10980 01
1.97380 03	9.54490 02	1.23720 00	3.77080 00	8.68160-01	2.44750-04	1.74340-05	2.19560-05	1.11480 01
2.46730 03	1.00080 03	1.23250 00	3.75700 00	8.77340-01	2.36580-04	1.64850-05	2.06810-05	1.14390 01
2.96080 03	1.04690 03	1.22830 00	3.74380 00	8.86090-01	2.29320-04	1.56500-05	1.95670-05	1.17200 01
3.45420 03	1.09290 03	1.22450 00	3.73110 00	8.94460-01	2.22830-04	1.49100-05	1.85850-05	1.19900 01
3.94770 03	1.13880 03	1.22110 00	3.71890 00	9.02510-01	2.16980-04	1.42500-05	1.77130-05	1.22500 01
4.44120 03	1.18450 03	1.21810 00	3.70710 00	9.10250-01	2.11690-04	1.36580-05	1.69340-05	1.25010 01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 800.0 K, CV= 0.982400 00 J/G-K

P (ATM)	H-H (298) (J/G)	CP (J/G-K)	S (J/G-K)	RHC (G/CC)	ALPHA P (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMA V (ATM/K)
4.9346D 03	1.2300D 03	1.2153D 00	3.6956D 00	9.1773D-01	2.0688D-04	1.3124D-05	1.6235D-05	1.2743D 01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 900.0 K, CV= 0.94446D C_V J/G-K

P (ATM)	H-H (298) (J/G)	CP (J/G-K)	S (J/G-K)	rho (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
4.9446D-02	8.9475D 02	1.2576D 00	3.9320D 00	8.0170D-01	3.0116D-04	2.4724D-05	3.2947D-05	9.1407D 00
9.8692D 01	9.0384D 02	1.2555D 00	3.9783D 00	8.0428D-01	2.9770D-04	2.4304D-05	3.2308D-05	9.2144D 00
1.9738D 02	9.1295D 02	1.2535D 00	3.9746D 00	8.0683D-01	2.9435D-04	2.3881D-05	3.1694D-05	9.2873D 00
2.9603D 02	9.2206D 02	1.2515D 00	3.9710D 00	8.0933D-01	2.9113D-04	2.3474D-05	3.1105D-05	9.3595D 00
3.9477D 02	9.3118D 02	1.2496D 00	3.9674D 00	8.1180D-01	2.8801D-04	2.3082D-05	3.0540D-05	9.4308D 00
4.9346D 02	9.4031D 02	1.2478D 00	3.9639D 00	8.1423D-01	2.8500D-04	2.2705D-05	2.9996D-05	9.5015D 00
5.9215D 02	9.4945D 02	1.2460D 00	3.9604D 00	8.1662D-01	2.8209D-04	2.2340D-05	2.9473D-05	9.5714D 00
6.9085D 02	9.5859D 02	1.2443D 00	3.9570D 00	8.1898D-01	2.7926D-04	2.1989D-05	2.8969D-05	9.6407D 00
7.8954D 02	9.6773D 02	1.2426D 00	3.9536D 00	8.2130D-01	2.7656D-04	2.1649D-05	2.8484D-05	9.7092D 00
8.8823D 02	9.7688D 02	1.2410D 00	3.9503D 00	8.2360D-01	2.7392D-04	2.1321D-05	2.8016D-05	9.7771D 00
9.8692D 02	9.8603D 02	1.2394D 00	3.9469D 00	8.2586D-01	2.7136D-04	2.1004D-05	2.7565D-05	9.8444D 00
1.0856D 03	9.9518D 02	1.2379D 00	3.9437D 00	8.2809D-01	2.6888D-04	2.0698D-05	2.7129D-05	9.9111D 00
1.1843D 03	1.0043D 03	1.2365D 00	3.9405D 00	8.3029D-01	2.6647D-04	2.0401D-05	2.6708D-05	9.9771D 00
1.2830D 03	1.0135D 03	1.2350D 00	3.9373D 00	8.3247D-01	2.6413D-04	2.0113D-05	2.6301D-05	1.0043D 01
1.3817D 03	1.0227D 03	1.2337D 00	3.9341D 00	8.3461D-01	2.6186D-04	1.9835D-05	2.5908D-05	1.0107D 01
1.4804D 03	1.0318D 03	1.2323D 00	3.9310D 00	8.3673D-01	2.5965D-04	1.9564D-05	2.5527D-05	1.0172D 01
1.5791D 03	1.0410D 03	1.2310D 00	3.9279D 00	8.3883D-01	2.5751D-04	1.9303D-05	2.5159D-05	1.0235D 01
1.6778D 03	1.0501D 03	1.2297D 00	3.9248D 00	8.4090D-01	2.5542D-04	1.9048D-05	2.4802D-05	1.0299D 01
1.7765D 03	1.0593D 03	1.2285D 00	3.9218D 00	8.4295D-01	2.5340D-04	1.8802D-05	2.4456D-05	1.0361D 01
1.8752D 03	1.0684D 03	1.2273D 00	3.9188D 00	8.4497D-01	2.5142D-04	1.8562D-05	2.4121D-05	1.0423D 01
1.9738D 03	1.0776D 03	1.2261D 00	3.9159D 00	8.4697D-01	2.4950D-04	1.8330D-05	2.3796D-05	1.0485D 01
2.4673D 03	1.1234D 03	1.2207D 00	3.9015D 00	8.5665D-01	2.4059D-04	1.7259D-05	2.2307D-05	1.0785D 01
2.9608D 03	1.1690D 03	1.2159D 00	3.8878D 00	8.6585D-01	2.3271D-04	1.6322D-05	2.1014D-05	1.1074D 01
3.4542D 03	1.2147D 03	1.2116D 00	3.8746D 00	8.7463D-01	2.2570D-04	1.5497D-05	1.9880D-05	1.1353D 01
3.9477D 03	1.2602D 03	1.2078D 00	3.8619D 00	8.8303D-01	2.1941D-04	1.4763D-05	1.8880D-05	1.1621D 01
4.4412D 03	1.3055D 03	1.2044D 00	3.8497D 00	8.9109D-01	2.1374D-04	1.4108D-05	1.7990D-05	1.1881D 01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 900.0 K, CV = 0.94446D 00 J/G-K

P (ATM)	H-H(298) (J/G)	CP (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
4.9346D 03	1.3508D 03	1.2012D 00	3.8379D 00	8.9886D-01	2.0861D-04	1.3520D-05	1.7195D-05	1.2132D 01
5.9215D 03	1.4409D 03	1.1958D 00	3.8154D 00	9.1361D-01	1.9967D-04	1.2507D-05	1.5835D-05	1.2609D 01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1000.0 K, CV= 0.91483400 J/G-K

P (ATM)	H-H (293) (J/G)	CP (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHA (1/K)	BETAS (1/ATM)	LETAT (1/ATM)	GAMMA (ATM/K)
1.92540-01	1.02050 03	1.25860 00	4.11450 00	7.77520-01	3.11400-04	2.67210-05	3.67610-05	8.47090 00
9.86520 01	1.02540 03	1.25810 00	4.11060 00	7.80310-01	3.07480-04	2.62040-05	3.59780-05	8.54640 00
1.97380 02	1.03820 03	1.25360 00	4.10670 00	7.83060-01	3.03710-04	2.57080-05	3.52280-05	8.62110 00
2.96080 02	1.04710 03	1.25130 00	4.10280 00	7.85760-01	3.00080-04	2.52310-05	3.45110-05	8.69510 00
3.94770 02	1.05610 03	1.24910 00	4.09900 00	7.88410-01	2.96580-04	2.47740-05	3.38250-05	8.76820 00
4.93460 02	1.06500 03	1.24690 00	4.09530 00	7.91020-01	2.93210-04	2.43350-05	3.31670-05	8.84050 00
5.92150 02	1.07390 03	1.24480 00	4.09160 00	7.93590-01	2.89970-04	2.39120-05	3.25360-05	8.91210 00
6.90850 02	1.08290 03	1.24280 00	4.08800 00	7.96120-01	2.86830-04	2.35050-05	3.19310-05	8.98300 00
7.89540 02	1.09180 03	1.24080 00	4.08440 00	7.98610-01	2.83600-04	2.31130-05	3.13490-05	9.05310 00
8.88230 02	1.10080 03	1.23890 00	4.08090 00	8.01060-01	2.80880-04	2.27350-05	3.07890-05	9.12260 00
9.86920 02	1.10980 03	1.23710 00	4.07740 00	8.03480-01	2.78040-04	2.23700-05	3.02510-05	9.19140 00
1.08560 03	1.11880 03	1.23540 00	4.07400 00	8.05860-01	2.75300-04	2.20180-05	2.97320-05	9.25950 00
1.18430 03	1.12780 03	1.23370 00	4.07060 00	8.08210-01	2.72650-04	2.16770-05	2.92320-05	9.32700 00
1.28300 03	1.13680 03	1.23200 00	4.06720 00	8.10520-01	2.70080-04	2.13490-05	2.87500-05	9.39390 00
1.38170 03	1.14580 03	1.23040 00	4.06390 00	8.12810-01	2.67580-04	2.10310-05	2.82850-05	9.46020 00
1.48040 03	1.15480 03	1.22880 00	4.06060 00	8.15060-01	2.65160-04	2.07230-05	2.78360-05	9.52590 00
1.57910 03	1.16380 03	1.22730 00	4.05740 00	8.17290-01	2.62810-04	2.04250-05	2.74020-05	9.59100 00
1.67780 03	1.17290 03	1.22590 00	4.05420 00	8.19480-01	2.60530-04	2.01360-05	2.69830-05	9.65560 00
1.77650 03	1.18190 03	1.22450 00	4.05100 00	8.21650-01	2.58320-04	1.98560-05	2.65770-05	9.71960 00
1.87520 03	1.19090 03	1.22310 00	4.04790 00	8.23790-01	2.56160-04	1.95850-05	2.61840-05	9.78300 00
1.97380 03	1.19990 03	1.22170 00	4.04480 00	8.25910-01	2.54070-04	1.93220-05	2.58040-05	9.84600 00
2.46730 03	1.24510 03	1.21550 00	4.02980 00	8.36130-01	2.44400-04	1.81160-05	2.40710-05	1.01530 01
2.96080 03	1.29030 03	1.21010 00	4.01550 00	8.45800-01	2.35890-04	1.70670-05	2.25760-05	1.04490 01
3.45420 03	1.33540 03	1.20530 00	4.00190 00	8.54990-01	2.28340-04	1.61470-05	2.12740-05	1.07340 01
3.94770 03	1.38050 03	1.20100 00	3.98880 00	8.63770-01	2.21600-04	1.53330-05	2.01300-05	1.10090 01
4.44120 03	1.42560 03	1.19720 00	3.97620 00	8.72170-01	2.15550-04	1.46090-05	1.91180-05	1.12750 01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1000.0 K, CV= 0.914630 00 J/G-K

F (ATM)	H-H (298) (J/G)	CP (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHA P (1/K)	BETA S (1/ATM)	BETA T (1/ATM)	GAMMA V (ATM/K)
4.9346D 03	1.4705E 03	1.1937D 00	3.9641D 00	8.8023D-01	2.1009D-04	1.3962D-05	1.8218D-05	1.1532D 01
5.9215D 03	1.5600E 03	1.1878D 00	3.9410D 00	8.9550D-01	2.0061D-04	1.2852D-05	1.6686D-05	1.2023D 01
6.9085D 03	1.6490D 03	1.1828D 00	3.9192D 00	9.0979D-01	1.9270D-04	1.1937D-05	1.5434D-05	1.2486D 01
7.8954E 03	1.7375D 03	1.1786D 00	3.8985D 00	9.2327D-01	1.8600D-04	1.1172D-05	1.4393D-05	1.2922D 01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1100.0 K, CV= 0.89320D 00 J/G-K

P (ATM)	H-H (298) (J/G)	CP (J/G-K)	S (J/G-K)	H-HO (G/CC)	ALPHA (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMA (ATM/K)
5.8399D-01	1.1467D 03	1.2665D 00	4.2348D 00	7.5330D-01	3.219E0-04	2.8978D-05	4.1088D-05	7.8357D 00
9.8692D 01	1.1553D 03	1.2635D 00	4.2306D 00	7.5651D-01	3.1753D-04	2.8369D-05	4.0129D-05	7.9126D 00
1.9738D 02	1.1639D 03	1.2606D 00	4.2264D 00	7.5927D-01	3.1326D-04	2.7784D-05	3.9212D-05	7.9890D 00
2.9608D 02	1.1725D 03	1.2578D 00	4.2223D 00	7.6218D-01	3.0918D-04	2.7225D-05	3.8338D-05	8.0645D 00
3.9477D 02	1.1812D 03	1.2552D 00	4.2183D 00	7.6504D-01	3.0526D-04	2.6689D-05	3.7505D-05	8.1391D 00
4.9346D 02	1.1899D 03	1.2526D 00	4.2144D 00	7.6785D-01	3.0149D-04	2.6176D-05	3.6709D-05	8.2129D 00
5.9215D 02	1.1986D 03	1.2502D 00	4.2105D 00	7.7061D-01	2.9787D-04	2.5684D-05	3.5949D-05	8.2858D 00
6.905E0 02	1.2074D 03	1.2478D 00	4.2066D 00	7.7332D-01	2.9438D-04	2.5212D-05	3.5222D-05	8.3580D 00
7.8954D 02	1.2161D 03	1.2456D 00	4.2029D 00	7.7598D-01	2.9103D-04	2.4758D-05	3.4525D-05	8.4294D 00
8.8823D 02	1.2249D 03	1.2434D 00	4.1991D 00	7.7861D-01	2.8779D-04	2.4321D-05	3.3857D-05	8.5001D 00
9.8692D 02	1.2337D 03	1.2413D 00	4.1955D 00	7.8119D-01	2.8466D-04	2.3901D-05	3.3216D-05	8.5701D 00
1.0856D 03	1.2425D 03	1.2393D 00	4.1918D 00	7.8373D-01	2.8164D-04	2.3497D-05	3.2600D-05	8.6394D 00
1.1843D 03	1.2513D 03	1.2373D 00	4.1883D 00	7.8623D-01	2.7873D-04	2.3107D-05	3.2008D-05	8.7080D 00
1.2830D 03	1.2601D 03	1.2354D 00	4.1847D 00	7.8870D-01	2.7590D-04	2.2730D-05	3.1438D-05	8.7760D 00
1.3817D 03	1.2689D 03	1.2336D 00	4.1813D 00	7.9113D-01	2.7317D-04	2.2367D-05	3.0890D-05	8.8434D 00
1.4804D 03	1.2778D 03	1.2318D 00	4.1778D 00	7.9352D-01	2.7053D-04	2.2016D-05	3.0362D-05	8.9101D 00
1.5791D 03	1.2866D 03	1.2301D 00	4.1745D 00	7.9586D-01	2.6796D-04	2.1677D-05	2.9852D-05	8.9763D 00
1.6778D 03	1.2955D 03	1.2284D 00	4.1711D 00	7.9821D-01	2.6548D-04	2.1349D-05	2.9361D-05	9.0419D 00
1.7765D 03	1.3044D 03	1.2268D 00	4.1678D 00	8.0051D-01	2.6307D-04	2.1032D-05	2.8887D-05	9.1069D 00
1.8752D 03	1.3133D 03	1.2252D 00	4.1645D 00	8.0277D-01	2.6073D-04	2.0725D-05	2.8429D-05	9.1713D 00
1.9738D 03	1.3222D 03	1.2237D 00	4.1613D 00	8.0501D-01	2.5845D-04	2.0427D-05	2.7986D-05	9.2352D 00
2.4673D 03	1.3667D 03	1.2167D 00	4.1457D 00	8.1575D-01	2.4800D-04	1.9070D-05	2.5976D-05	9.5472D 00
2.96C8D 03	1.4113D 03	1.2106D 00	4.1309D 00	8.2596D-01	2.3885D-04	1.7896D-05	2.4255D-05	9.8474D 00
3.4542D 03	1.4559D 03	1.2052D 00	4.1167D 00	8.3559D-01	2.3077D-04	1.6872D-05	2.2766D-05	1.0137D 01
3.9477D 03	1.5006D 03	1.2005D 00	4.1032D 00	8.4475D-01	2.2358D-04	1.5970D-05	2.1464D-05	1.0417D 01
4.4412D 03	1.5452D 03	1.1963D 00	4.0903D 00	8.5350D-01	2.1715D-04	1.5171D-05	2.0319D-05	1.0687D 01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1100.0 K, CV= 0.893200 00 J/G-K

P (ATM)	H-H ₀ (J/G)	CP (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHA P (1/K)	BETA S (1/ATM)	BETA T (1/ATM)	GAMMA V (ATM/K)
4.9346E 03	1.5897D 03	1.1925D 00	4.0778D 00	8.6188D-01	2.1135D-04	1.4458D-05	1.9303D-05	1.0949D 01
5.9215D 03	1.6786D 03	1.1860D 00	4.0541D 00	8.7768D-01	2.0134D-04	1.3243D-05	1.7584D-05	1.1450D 01
6.9085D 03	1.7671D 03	1.1806D 00	4.0318D 00	8.9241D-01	1.9301D-04	1.2247D-05	1.6188D-05	1.1923D 01
7.8954D 03	1.8551D 03	1.1762D 00	4.0107D 00	9.0625D-01	1.8599D-04	1.1417D-05	1.5030D-05	1.2371D 01
8.8823D 03	1.9427D 03	1.1721D 00	3.9907D 00	9.1935D-01	1.8000D-04	1.0717D-05	1.4068D-05	1.2795D 01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1200.0 K, CV = 0.679320 00 J/G-K

P (ATM)	H-H (298) (J/G)	CP (J/G-K)	S (J/G-K)	RHO (G/CC)	ALFHAP (1/K)	BETAS (1/ATM)	BETA1 (1/ATM)	GLIMAV (ATM/K)
1.4624D 00	1.2741E 03	1.2811D 00	4.3455D 00	7.2907D-01	3.3291D-04	3.1580D-05	4.6009D-05	7.2358D 00
5.8692D 01	1.2823D 03	1.2775D 00	4.3411D 00	7.3229D-01	3.2792D-04	3.0660D-05	4.4836D-05	7.3136D 00
1.9738D 02	1.2906D 03	1.2741D 00	4.3366D 00	7.3550D-01	3.2308D-04	3.0165D-05	4.3709D-05	7.3916D 00
2.9608D 02	1.2989D 03	1.2709D 00	4.3323D 00	7.3864D-01	3.1847D-04	2.9504D-05	4.2642D-05	7.4686D 00
3.9477D 02	1.3073D 03	1.2678D 00	4.3280D 00	7.4172D-01	3.1407D-04	2.8873D-05	4.1628D-05	7.5446D 00
4.9346D 02	1.3157D 03	1.2648D 00	4.3238D 00	7.4473D-01	3.0985D-04	2.8271D-05	4.0665D-05	7.6197D 00
5.9215D 02	1.3242D 03	1.2620D 00	4.3197D 00	7.4769D-01	3.0582D-04	2.7696D-05	3.9748D-05	7.6938D 00
6.9085D 02	1.3327D 03	1.2592D 00	4.3156D 00	7.5060D-01	3.0194D-04	2.7146D-05	3.8874D-05	7.7671D 00
7.8954D 02	1.3412D 03	1.2566D 00	4.3117D 00	7.5345D-01	2.9822D-04	2.6619D-05	3.8040D-05	7.8396D 00
8.8823D 02	1.3497D 03	1.2541D 00	4.3077D 00	7.5626D-01	2.9464D-04	2.6113D-05	3.7243D-05	7.9114D 00
9.8692D 02	1.3583D 03	1.2517D 00	4.3039D 00	7.5901D-01	2.9120D-04	2.5628D-05	3.6481D-05	7.9823D 00
1.0856D 03	1.3668D 03	1.2494D 00	4.3001D 00	7.6172D-01	2.8789D-04	2.5162D-05	3.5751D-05	8.0525D 00
1.1843D 03	1.3755D 03	1.2471D 00	4.2963D 00	7.6439D-01	2.8469D-04	2.4714D-05	3.5051D-05	8.1220D 00
1.2830D 03	1.3841D 03	1.2450D 00	4.2926D 00	7.6701D-01	2.8160D-04	2.4282D-05	3.4380D-05	8.1909D 00
1.3817D 03	1.3927D 03	1.2429D 00	4.2890D 00	7.6960D-01	2.7862D-04	2.3867D-05	3.3735D-05	8.2590D 00
1.4804D 03	1.4014D 03	1.2409D 00	4.2854D 00	7.7214D-01	2.7574D-04	2.3457D-05	3.3115D-05	8.3266D 00
1.5791D 03	1.4100D 03	1.2389D 00	4.2818D 00	7.7464D-01	2.7295D-04	2.3080D-05	3.2519D-05	8.3935D 00
1.6778D 03	1.4187D 03	1.2370D 00	4.2783D 00	7.7711D-01	2.7025D-04	2.2708D-05	3.1946D-05	8.4598D 00
1.7765D 03	1.4274D 03	1.2352D 00	4.2749D 00	7.7954D-01	2.6764D-04	2.2348D-05	3.1393D-05	8.5255D 00
1.8752D 03	1.4362D 03	1.2335D 00	4.2714D 00	7.8194D-01	2.6511D-04	2.2000D-05	3.0860D-05	8.5907D 00
1.9738D 03	1.4449D 03	1.2318D 00	4.2681D 00	7.8431D-01	2.6265D-04	2.1663D-05	3.0346D-05	8.6553D 00
2.4673D 03	1.4867D 03	1.2239D 00	4.2518D 00	7.9567D-01	2.5140D-04	2.0134D-05	2.8026D-05	8.9704D 00
2.9608D 03	1.5326D 03	1.2172D 00	4.2364D 00	8.0635D-01	2.4161D-04	1.8821D-05	2.6053D-05	9.2736D 00
3.4542D 03	1.5767D 03	1.2113D 00	4.2218D 00	8.1643D-01	2.3300D-04	1.7682D-05	2.4357D-05	9.5660D 00
3.9477D 03	1.6208D 03	1.2060D 00	4.2079D 00	8.2600D-01	2.2536D-04	1.6683D-05	2.2883D-05	9.8486D 00
4.4412D 03	1.6650D 03	1.2014D 00	4.1945D 00	8.3511D-01	2.1854D-04	1.5802D-05	2.1590D-05	1.0122D 01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1200.0 K, CV= 0.679320 00 J/G-K

P (ATM)	H-H (298) (J/G)	CP (J/G-K)	S (J/G-K)	ALFO (G/CC)	ALFHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
4.9346D 03	1.7092D 03	1.1973D 00	4.1817D 00	8.4381D-01	2.1242D-04	1.5019D-05	2.0450D-05	1.0388D 01
5.9215D 03	1.7974D 03	1.1903D 00	4.1574D 00	8.6016D-01	2.0188D-04	1.3688D-05	1.8529D-05	1.0895D 01
6.9085D 03	1.8853D 03	1.1845D 00	4.1346D 00	8.7535D-01	1.9314D-04	1.2604D-05	1.6978D-05	1.1376D 01
7.8954D 03	1.9729D 03	1.1798D 00	4.1132D 00	8.8956D-01	1.8580D-04	1.1704D-05	1.5704D-05	1.1831D 01
8.8823D 03	2.0600D 03	1.1759D 00	4.0928D 00	9.0297D-01	1.7956D-04	1.0948D-05	1.4640D-05	1.2265D 01
9.8692D 03	2.1467D 03	1.1726D 00	4.0734D 00	9.1569D-01	1.7421D-04	1.0305D-05	1.3742D-05	1.2677D 01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1300.0 K, CV= 0.87301D DV J/G-K

P (ATM)	H-H (298) (J/G)	CP (J/G-K)	S (J/G-K)	ENH (G/CC)	ALPHA F (1/K)	BETA S (1/ATM)	BETA T (1/ATM)	GAMMA V (ATM/K)
3.1670E 00	1.4034D 03	1.3023D 00	4.4488D 00	7.0485D-01	3.4438D-04	3.4613D-05	5.1633D-05	6.6699D 00
9.8692D 01	1.4110D 03	1.2982D 00	4.4441D 00	7.0829D-01	3.3876D-04	3.3759D-05	5.0199D-05	6.7482D 00
1.9738D 02	1.4189E 03	1.2941D 00	4.4394D 00	7.1176D-01	3.3325D-04	3.2924D-05	4.8806D-05	6.8280D 00
2.9608D 02	1.4269D 03	1.2903D 00	4.4347D 00	7.1515D-01	3.2802D-04	3.2135D-05	4.7495D-05	6.9065D 00
3.9477D 02	1.4350D 03	1.2867D 00	4.4302D 00	7.1846D-01	3.2306D-04	3.1385D-05	4.6257D-05	6.9840D 00
4.9346D 02	1.4431D 03	1.2832D 00	4.4257D 00	7.2171D-01	3.1833D-04	3.0674D-05	4.5087D-05	7.0604D 00
5.9215D 02	1.4512D 03	1.2799D 00	4.4214D 00	7.2488D-01	3.1382D-04	2.9997D-05	4.3979D-05	7.1358D 00
6.9085D 02	1.4594D 03	1.2768D 00	4.4171D 00	7.2800D-01	3.0951D-04	2.9351D-05	4.2927D-05	7.2102D 00
7.8954D 02	1.4676D 03	1.2738D 00	4.4129D 00	7.3105D-01	3.0539D-04	2.8735D-05	4.1928D-05	7.2837D 00
8.8823D 02	1.4759D 03	1.2709D 00	4.4087D 00	7.3405D-01	3.0144D-04	2.8147D-05	4.0977D-05	7.3564D 00
9.8692D 02	1.4842D 03	1.2682D 00	4.4047D 00	7.3699D-01	2.9765D-04	2.7564D-05	4.0071D-05	7.4262D 00
1.0856D 03	1.4925D 03	1.2656D 00	4.4006D 00	7.3988D-01	2.9401D-04	2.7045D-05	3.9206D-05	7.4992D 00
1.1843D 03	1.5009D 03	1.2630D 00	4.3967D 00	7.4272D-01	2.9052D-04	2.6528D-05	3.8380D-05	7.5695D 00
1.2830D 03	1.5093D 03	1.2606D 00	4.3928D 00	7.4551D-01	2.8715D-04	2.6032D-05	3.7590D-05	7.6390D 00
1.3817D 03	1.5177D 03	1.2582D 00	4.3890D 00	7.4825D-01	2.8390D-04	2.5556D-05	3.6833D-05	7.7078D 00
1.4804D 03	1.5262D 03	1.2560D 00	4.3852D 00	7.5095D-01	2.8077D-04	2.5098D-05	3.6108D-05	7.7760D 00
1.5791D 03	1.5346D 03	1.2538D 00	4.3815D 00	7.5360D-01	2.7775D-04	2.4657D-05	3.5412D-05	7.8434D 00
1.6778D 03	1.5431D 03	1.2517D 00	4.3779D 00	7.5622D-01	2.7483D-04	2.4232D-05	3.4744D-05	7.9103D 00
1.7765D 03	1.5516D 03	1.2497D 00	4.3743D 00	7.5879D-01	2.7201D-04	2.3823D-05	3.4101D-05	7.9765D 00
1.8752D 03	1.5602D 03	1.2477D 00	4.3707D 00	7.6132D-01	2.6928D-04	2.3428D-05	3.3484D-05	8.0421D 00
1.9738D 03	1.5687D 03	1.2458D 00	4.3672D 00	7.6382D-01	2.6664D-04	2.3047D-05	3.2889D-05	8.1072D 00
2.4673D 03	1.6117D 03	1.2372D 00	4.3503D 00	7.7579D-01	2.5458D-04	2.1325D-05	3.0220D-05	8.4243D 00
2.9608D 03	1.6545D 03	1.2297D 00	4.3343D 00	7.8700D-01	2.4414D-04	1.9856D-05	2.7969D-05	8.7292D 00
3.4542D 03	1.6984D 03	1.2232D 00	4.3192D 00	7.9755D-01	2.3501D-04	1.8588D-05	2.6045D-05	9.0232D 00
3.9477D 03	1.7420D 03	1.2176D 00	4.3048D 00	8.0753D-01	2.2694D-04	1.7483D-05	2.4383D-05	9.3074D 00
4.4412D 03	1.7857D 03	1.2125D 00	4.2911D 00	8.1700D-01	2.1975D-04	1.6511D-05	2.2933D-05	9.5827D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1300.0 K, CV= 0.673010 J/G-K

P (ATM)	H-H (298) (J/G)	CP (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
4.93460 03	1.82940 03	1.20810 00	4.27790 00	8.26030-01	2.13320-04	1.56500-05	2.16570-05	9.84970 00
5.92150 03	1.91690 03	1.20050 00	4.25300 00	8.42960-01	2.02260-04	1.41950-05	1.95200-05	1.03610 01
6.90850 03	2.00420 03	1.19440 00	4.22980 00	8.58600-01	1.93120-04	1.30140-05	1.78050-05	1.08480 01
7.89540 03	2.09130 03	1.18940 00	4.20790 00	8.73200-01	1.85460-04	1.20390-05	1.64020-05	1.13070 01
8.88230 03	2.17800 03	1.18520 00	4.18720 00	8.86920-01	1.78970-04	1.12220-05	1.52360-05	1.17470 01
9.86920 03	2.26430 03	1.18180 00	4.16750 00	8.99910-01	1.73420-04	1.05300-05	1.42550-05	1.21660 01
1.18430 04	2.43550 03	1.17660 00	4.13050 00	9.24100-01	1.64460-04	9.42360-06	1.27000-05	1.29490 01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1400.0 K, CV= 0.67423D 00 J/G-K

P (ATM)	H-H (298) (J/G)	CP (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
6.1223D 00	1.5352D 03	1.3301D 00	4.5461D 00	6.8069D-01	3.5651D-04	3.8192D-05	5.8107D-05	6.1354D 00
9.8652D 01	1.5421D 03	1.3253D 00	4.5413D 00	6.8431D-01	3.5020D-04	3.7177D-05	5.8360D-05	6.2136D 00
1.9738D 02	1.5496D 03	1.3206D 00	4.5362D 00	6.8806D-01	3.4386D-04	3.6160D-05	5.4620D-05	6.2956D 00
2.9508D 02	1.5572D 03	1.3161D 00	4.5313D 00	6.9173D-01	3.3790D-04	3.5204D-05	5.2996D-05	6.3761D 00
3.9477D 02	1.5649D 03	1.3118D 00	4.5264D 00	6.9530D-01	3.3227D-04	3.4303D-05	5.1474D-05	6.4552D 00
4.9346D 02	1.5726D 03	1.3079D 00	4.5217D 00	6.9879D-01	3.2695D-04	3.3452D-05	5.0045D-05	6.5332D 00
5.9215D 02	1.5804D 03	1.3041D 00	4.5171D 00	7.0221D-01	3.2190D-04	3.2647D-05	4.8699D-05	6.6099D 00
6.9085D 02	1.5882D 03	1.3005D 00	4.5125D 00	7.0554D-01	3.1710D-04	3.1884D-05	4.7429D-05	6.6856D 00
7.8954D 02	1.5961D 03	1.2971D 00	4.5081D 00	7.0881D-01	3.1252D-04	3.1159D-05	4.6229D-05	6.7603D 00
8.8823D 02	1.6041D 03	1.2938D 00	4.5037D 00	7.1201D-01	3.0816D-04	3.0469D-05	4.5093D-05	6.8339D 00
9.8692D 02	1.6121D 03	1.2907D 00	4.4994D 00	7.1515D-01	3.0399D-04	2.9812D-05	4.4014D-05	6.9067D 00
1.0856D 03	1.6202D 03	1.2877D 00	4.4952D 00	7.1823D-01	3.0000D-04	2.9185D-05	4.2989D-05	6.9785D 00
1.1843D 03	1.6283D 03	1.2849D 00	4.4911D 00	7.2125D-01	2.9618D-04	2.8586D-05	4.2014D-05	7.0495D 00
1.2830D 03	1.6364D 03	1.2822D 00	4.4870D 00	7.2421D-01	2.9251D-04	2.8013D-05	4.1084D-05	7.1197D 00
1.3817D 03	1.6446D 03	1.2795D 00	4.4830D 00	7.2712D-01	2.8898D-04	2.7464D-05	4.0197D-05	7.1891D 00
1.4804D 03	1.6528D 03	1.2770D 00	4.4791D 00	7.2998D-01	2.8559D-04	2.6938D-05	3.9350D-05	7.2578D 00
1.5791D 03	1.6610D 03	1.2746D 00	4.4752D 00	7.3279D-01	2.8233D-04	2.6433D-05	3.8539D-05	7.3258D 00
1.6778D 03	1.6693D 03	1.2723D 00	4.4714D 00	7.3555D-01	2.7918D-04	2.5948D-05	3.7763D-05	7.3930D 00
1.7765D 03	1.6776D 03	1.2700D 00	4.4676D 00	7.3827D-01	2.7614D-04	2.5481D-05	3.7018D-05	7.4597D 00
1.8752D 03	1.6859D 03	1.2679D 00	4.4639D 00	7.4095D-01	2.7321D-04	2.5032D-05	3.6304D-05	7.5256D 00
1.9738D 03	1.6942D 03	1.2658D 00	4.4602D 00	7.4358D-01	2.7038D-04	2.4600D-05	3.5618D-05	7.5910D 00
2.4673D 03	1.7363D 03	1.2563D 00	4.4426D 00	7.5618D-01	2.5751D-04	2.2656D-05	3.2558D-05	7.9093D 00
2.9608D 03	1.7788D 03	1.2482D 00	4.4261D 00	7.6793D-01	2.4645D-04	2.1011D-05	3.0000D-05	8.2150D 00
3.4542D 03	1.8215D 03	1.2412D 00	4.4105D 00	7.7895D-01	2.3680D-04	1.9601D-05	2.7828D-05	8.5095D 00
3.9477D 03	1.8646D 03	1.2351D 00	4.3957D 00	7.8935D-01	2.2832D-04	1.8377D-05	2.5962D-05	8.7941D 00
4.4412D 03	1.9077D 03	1.2297D 00	4.3815D 00	7.9920D-01	2.2076D-04	1.7306D-05	2.4342D-05	9.0699D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT $T = 1400.0 \text{ K}$, $CV = 0.874230 \text{ G J/G-F}$

P (ATM)	H-H (298) (J/G)	CP (J/G-K)	S (J/G-K)	DKO (G/CC)	ALPHA P (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMA V (ATM/K)
4.9346D 03	1.9510D 03	1.2249D 00	4.3680D 00	8.0857D-01	2.1404D-04	1.6361D-05	2.2923D-05	9.3375D 00
5.9215D 03	2.0377D 03	1.2168D 00	4.3426D 00	8.2607D-01	2.0250D-04	1.4769D-05	2.0556D-05	9.8507D 00
6.9085D 03	2.1244D 03	1.2103D 00	4.3189D 00	8.4218D-01	1.9298D-04	1.3484D-05	1.6667D-05	1.0338D 01
7.8954D 03	2.2110D 03	1.2050D 00	4.2966D 00	8.5717D-01	1.8502D-04	1.2427D-05	1.7128D-05	1.0802D 01
8.8823D 03	2.2973D 03	1.2006D 00	4.2756D 00	8.7122D-01	1.7828D-04	1.1544D-05	1.5854D-05	1.1245D 01
9.8652D 03	2.3832D 03	1.1971D 00	4.2557D 00	8.8448D-01	1.7252D-04	1.0798D-05	1.4785D-05	1.1668D 01
1.1843D 04	2.5539D 03	1.1917D 00	4.2383D 00	9.0908D-01	1.6326D-04	9.6100D-06	1.3100D-05	1.2463D 01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1500.0 K, CV= 0.68312D 00 J/G-K

P (ATM)	H-H (298) (J/G)	CP (J/G-K)	S (J/G-K)	hHC (G/CC)	ALPHA P (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
1.0811D 01	1.6702D 03	1.3645D 00	4.6388D 00	6.5662D-01	3.6947D-04	4.2481D-05	6.5638D-05	5.6290D 00
9.8692E 01	1.6763D 03	1.3591D 00	4.6339D 00	6.6036D-01	3.6243D-04	4.1272D-05	6.3517D-05	5.7061D 00
1.9738E 02	1.6833D 03	1.3535D 00	4.6285D 00	6.6444D-01	3.5506D-04	4.0007D-05	6.1315D-05	5.7908E 00
2.9608D 02	1.6904D 03	1.3482D 00	4.6232D 00	6.6840D-01	3.4819D-04	3.8823D-05	5.9278D-05	5.8739D 00
3.9477D 02	1.6976D 03	1.3433D 00	4.6181D 00	6.7226D-01	3.4176D-04	3.7720D-05	5.7388D-05	5.9553D 00
4.9346D 02	1.7049D 03	1.3387D 00	4.6130D 00	6.7602D-01	3.3573D-04	3.6697D-05	5.5628D-05	6.0352D 00
5.9215D 02	1.7122D 03	1.3343D 00	4.6081D 00	6.7969D-01	3.3004D-04	3.5723D-05	5.3983D-05	6.1138D 00
6.9085D 02	1.7197D 03	1.3303D 00	4.6033D 00	6.8326D-01	3.2467D-04	3.4815D-05	5.2442D-05	6.1910D 00
7.8954D 02	1.7273D 03	1.3264D 00	4.5986D 00	6.8676D-01	3.1958D-04	3.3953D-05	5.0995D-05	6.2670D 00
8.8823D 02	1.7349D 03	1.3227D 00	4.5940D 00	6.9018D-01	3.1476D-04	3.3137D-05	4.9631D-05	6.3419D 00
9.8692D 02	1.7426D 03	1.3192D 00	4.5895D 00	6.9352D-01	3.1017D-04	3.2363D-05	4.8345D-05	6.4157D 00
1.0856D 03	1.7503D 03	1.3159D 00	4.5851D 00	6.9680D-01	3.0580D-04	3.1628D-05	4.7129D-05	6.4885D 00
1.1843D 03	1.7581D 03	1.3128D 00	4.5807D 00	7.0001D-01	3.0162D-04	3.0929D-05	4.5976D-05	6.5604D 00
1.2830D 03	1.7659D 03	1.3097D 00	4.5764D 00	7.0315D-01	2.9763D-04	3.0263D-05	4.4883D-05	6.6313D 00
1.3817D 03	1.7738E 03	1.3069D 00	4.5722D 00	7.0624D-01	2.9381D-04	2.9627D-05	4.3843D-05	6.7014D 00
1.4804D 03	1.7818E 03	1.3041D 00	4.5681D 00	7.0926D-01	2.9014D-04	2.9020D-05	4.2853D-05	6.7706D 00
1.5791D 03	1.7898D 03	1.3014D 00	4.5641D 00	7.1224D-01	2.8662D-04	2.8439D-05	4.1910D-05	6.8391D 00
1.6778D 03	1.7978D 03	1.2989D 00	4.5601D 00	7.1516D-01	2.8324D-04	2.7882D-05	4.1009D-05	6.9068D 00
1.7765E 03	1.8058D 03	1.2964D 00	4.5561D 00	7.1803D-01	2.7998D-04	2.7349D-05	4.0148D-05	6.9738D 00
1.8752D 03	1.8139D 03	1.2941D 00	4.5523D 00	7.2085D-01	2.7605D-04	2.6836D-05	3.9324D-05	7.0401D 00
1.9738D 03	1.8221D 03	1.2918D 00	4.5485D 00	7.2362D-01	2.7382D-04	2.6344D-05	3.8535D-05	7.1057D 00
2.4673D 03	1.8631D 03	1.2816D 00	4.5302D 00	7.3686D-01	2.6015D-04	2.4145D-05	3.5039D-05	7.4249D 00
2.9608D 03	1.9048D 03	1.2728D 00	4.5131D 00	7.4916D-01	2.4848D-04	2.2301D-05	3.2142D-05	7.7306D 00
3.4542D 03	1.9468D 03	1.2653D 00	4.4970D 00	7.6066D-01	2.3836D-04	2.0730D-05	2.9702D-05	8.0250D 00
3.9477D 03	1.9892D 03	1.2588D 00	4.4817D 00	7.7149D-01	2.2947D-04	1.9375D-05	2.7617D-05	8.3092D 00
4.4412D 03	2.0318D 03	1.2530D 00	4.4672D 00	7.8172D-01	2.2161D-04	1.8194D-05	2.5815D-05	8.5845D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1500.0 K, CV= 0.88312D 00 J/G-K

P (ATM)	H-H (298) (J/G)	CP (J/G-K)	S (J/G-K)	RHC (G/CC)	ALPHA P (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMA V (ATM/K)
4.9346D 03	2.0746D 03	1.2479D 00	4.4533D 00	7.9142D-01	2.1459D-04	1.7156D-05	2.4243D-05	8.8517D 00
5.9215D 03	2.1604D 03	1.2393D 00	4.4273D 00	8.0550D-01	2.0259D-04	1.5416D-05	2.1634D-05	9.3644D 00
6.9085D 03	2.2465D 03	1.2324D 00	4.4031D 00	8.2610D-01	1.9272D-04	1.4018D-05	1.9562D-05	9.8516D 00
7.8954D 03	2.3325D 03	1.2269D 00	4.3805D 00	8.4148D-01	1.8447D-04	1.2872D-05	1.7882D-05	1.03*6D 01
8.8823D 03	2.4184D 03	1.2223D 00	4.3592D 00	8.5586D-01	1.7750D-04	1.1918D-05	1.6495D-05	1.0761D 01
9.8692D 03	2.5039D 03	1.2186D 00	4.3390D 00	8.6939D-01	1.7154D-04	1.1113D-05	1.5335D-05	1.1187D 01
1.1843D 04	2.6740D 03	1.2131D 00	4.3012D 00	8.9442D-01	1.6199D-04	9.8366D-06	1.3512D-05	1.1988D 01
1.3817D 04	2.8424D 03	1.2095D 00	4.2663D 00	9.1731D-01	1.5475D-04	8.8764D-06	1.2157D-05	1.2729D 01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1600.0 K, CV= 0.90006D 00 J/G-K

P (ATM)	H-H (298) (J/G)	CP (J/G-K)	S (J/G-K)	RHC (G/CC)	ALPHA P (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMA V (ATM/K)
1.7745D 01	1.8091D 03	1.4057D 00	4.7279D 00	6.3268D-01	3.8348D-04	4.7712D-05	7.4519D-05	5.1461D 00
9.8692D 01	1.8142D 03	1.3997D 00	4.7230D 00	6.3644D-01	3.7572D-04	4.6277D-05	7.1967D-05	5.2207D 00
1.9738D 02	1.8205D 03	1.3930D 00	4.7172D 00	6.4088D-01	3.6700D-04	4.4662D-05	6.9122D-05	5.3095D 00
2.9608D 02	1.8271D 03	1.3868D 00	4.7116D 00	6.4519D-01	3.5898D-04	4.3177D-05	6.6526D-05	5.3960D 00
3.9477D 02	1.8337D 03	1.3811D 00	4.7061D 00	6.4936D-01	3.5155D-04	4.1805D-05	6.4147D-05	5.4805D 00
4.9346D 02	1.8405D 03	1.3758D 00	4.7007D 00	6.5341D-01	3.4466D-04	4.0531D-05	6.1955D-05	5.5631D 00
5.9215D 02	1.8474D 03	1.3709D 00	4.6955D 00	6.5735D-01	3.3822D-04	3.9346D-05	5.9926D-05	5.6439D 00
6.9085D 02	1.8545D 03	1.3662D 00	4.6904D 00	6.6119D-01	3.3219D-04	3.8237D-05	5.8042D-05	5.7232D 00
7.8954D 02	1.8616D 03	1.3619D 00	4.6855D 00	6.6493D-01	3.2651D-04	3.7198D-05	5.6285D-05	5.8011D 00
8.8823D 02	1.8688D 03	1.3578D 00	4.6806D 00	6.6858D-01	3.2117D-04	3.6222D-05	5.4643D-05	5.8776D 00
9.8692D 02	1.8762D 03	1.3539D 00	4.6758D 00	6.7214D-01	3.1611D-04	3.5301D-05	5.3103D-05	5.9528D 00
1.0856D 03	1.8836D 03	1.3503D 00	4.6712D 00	6.7562D-01	3.1132D-04	3.4432D-05	5.1656D-05	6.0268D 00
1.1843D 03	1.8910D 03	1.3468D 00	4.6666D 00	6.7903D-01	3.0676D-04	3.3609D-05	5.0292D-05	6.0997D 00
1.2830D 03	1.8985D 03	1.3435D 00	4.6622D 00	6.8237D-01	3.0243D-04	3.2829D-05	4.9003D-05	6.1716D 00
1.3817D 03	1.9061D 03	1.3404D 00	4.6578D 00	6.8563D-01	2.9829D-04	3.2088D-05	4.7785D-05	6.2424D 00
1.4804D 03	1.9138D 03	1.3374D 00	4.6535D 00	6.8883D-01	2.9434D-04	3.1382D-05	4.6629D-05	6.3124D 00
1.5791D 03	1.9215D 03	1.3345D 00	4.6492D 00	6.9197D-01	2.9056D-04	3.0710D-05	4.5532D-05	6.3815D 00
1.6778D 03	1.9293D 03	1.3317D 00	4.6451D 00	6.9505D-01	2.8694D-04	3.0068D-05	4.4488D-05	6.4497D 00
1.7765D 03	1.9371D 03	1.3291D 00	4.6410D 00	6.9808D-01	2.8346D-04	2.9454D-05	4.3494D-05	6.5171D 00
1.8752D 03	1.9449D 03	1.3266D 00	4.6369D 00	7.0105D-01	2.8011D-04	2.8867D-05	4.2546D-05	6.5838D 00
1.9738D 03	1.9528D 03	1.3241D 00	4.6330D 00	7.0397D-01	2.7690D-04	2.8305D-05	4.1640D-05	6.6498D 00
2.4673D 03	1.9928D 03	1.3132D 00	4.6140D 00	7.1785D-01	2.6245D-04	2.5810D-05	3.7656D-05	6.9697D 00
2.9608D 03	2.0335D 03	1.3039D 00	4.5963D 00	7.3071D-01	2.5020D-04	2.3738D-05	3.4390D-05	7.2753D 00
3.4542D 03	2.0748D 03	1.2960D 00	4.5797D 00	7.4270D-01	2.3963D-04	2.1988D-05	3.1660D-05	7.5689D 00
3.9477D 03	2.1165D 03	1.2891D 00	4.5640D 00	7.5395D-01	2.3039D-04	2.0486D-05	2.9341D-05	7.8522D 00
4.4412D 03	2.1585D 03	1.2830D 00	4.5491D 00	7.6456D-01	2.2223D-04	1.9184D-05	2.7346D-05	8.1264D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1600.0 K, CV= 0.900060 DU J/G-K

P (ATM)	H-H (298) (J/G)	CP (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
4.9346D 03	2.2008D 03	1.2776D 00	4.5349D 00	7.7461D-01	2.1496D-04	1.8044D-05	2.5613D-05	8.3925D 00
5.9215D 03	2.2858D 03	1.2686D 00	4.5083D 00	7.9327D-01	2.0255D-04	1.6141D-05	2.2751D-05	8.9031D 00
6.5085D 03	2.3711D 03	1.2614D 00	4.4837D 00	8.1034D-01	1.9236D-04	1.4619D-05	2.0488D-05	9.3887D 00
7.8954D 03	2.4566D 03	1.2555D 00	4.4607D 00	8.2612D-01	1.8385D-04	1.3377D-05	1.8660D-05	9.8524D 00
8.8823D 03	2.5420D 03	1.2508D 00	4.4391D 00	8.4084D-01	1.7666D-04	1.2346D-05	1.7157D-05	1.0297D 01
9.8692D 03	2.6272D 03	1.2465D 00	4.4187D 00	8.5465D-01	1.7052D-04	1.1479D-05	1.5902D-05	1.0723D 01
1.1843D 04	2.7967D 03	1.2412D 00	4.3805D 00	8.8010D-01	1.6066D-04	1.0106D-05	1.3937D-05	1.1528D 01
1.3817D 04	2.9647D 03	1.2376D 00	4.3454D 00	9.0329D-01	1.5322D-04	9.0774D-06	1.2482D-05	1.2275D 01
1.5791D 04	3.1309D 03	1.2354D 00	4.3125D 00	9.2476D-01	1.4748D-04	8.2839D-06	1.1371D-05	1.2971D 01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1700.0 K, CV= 0.92526D 00 J/G-K

P (ATM)	H-H (298) (J/G)	CP (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
2.7429D 01	1.9526D 03	1.4547D 00	4.8140D 00	6.0888D-01	3.9945D-04	5.4237D-05	8.5269D-05	4.6846D 00
9.8652D 01	1.9565D 03	1.4478D 00	4.8094D 00	6.1252D-01	3.9086D-04	5.2549D-05	8.2224D-05	4.7535D 00
1.9738D 02	1.9621D 03	1.4392D 00	4.8031D 00	6.1740D-01	3.8006D-04	5.0412D-05	7.8414D-05	4.8468D 00
2.9608D 02	1.9679D 03	1.4316D 00	4.7970D 00	6.2209D-01	3.7036D-04	4.8475D-05	7.5005D-05	4.9378D 00
3.9477D 02	1.9740D 03	1.4250D 00	4.7912D 00	6.2661D-01	3.6166D-04	4.6719D-05	7.1952D-05	5.0264D 00
4.9346D 02	1.9802D 03	1.4189D 00	4.7855D 00	6.3099D-01	3.5370D-04	4.5112D-05	6.9181D-05	5.1127D 00
5.9215D 02	1.9866D 03	1.4133D 00	4.7800D 00	6.3523D-01	3.4635D-04	4.3632D-05	6.6649D-05	5.1967D 00
6.9085D 02	1.9932D 03	1.4082D 00	4.7746D 00	6.3935D-01	3.3954D-04	4.2263D-05	6.4322D-05	5.2788D 00
7.8954D 02	1.9998D 03	1.4034D 00	4.7693D 00	6.4335D-01	3.3319D-04	4.0992D-05	6.2174D-05	5.3591D 00
8.8823D 02	2.0066D 03	1.3989D 00	4.7642D 00	6.4725D-01	3.2726D-04	3.9808D-05	6.0183D-05	5.4317D 00
9.8692D 02	2.0135D 03	1.3946D 00	4.7590D 00	6.5104D-01	3.2168D-04	3.8700D-05	5.8331D-05	5.5147D 00
1.0856D 03	2.0206D 03	1.3907D 00	4.7543D 00	6.5474D-01	3.1643D-04	3.7660D-05	5.6603D-05	5.5904D 00
1.1843D 03	2.0277D 03	1.3869D 00	4.7496D 00	6.5836D-01	3.1147D-04	3.6682D-05	5.4984D-05	5.6647D 00
1.2830D 03	2.0348D 03	1.3833D 00	4.7449D 00	6.6189D-01	3.0677D-04	3.5760D-05	5.3465D-05	5.7373D 00
1.3817D 03	2.0421D 03	1.3800D 00	4.7403D 00	6.6535D-01	3.0231D-04	3.4889D-05	5.2035D-05	5.8098D 00
1.4804D 03	2.0495D 03	1.3768D 00	4.7358D 00	6.6873D-01	2.9807D-04	3.4063D-05	5.0686D-05	5.8807D 00
1.5791D 03	2.0565D 03	1.3737D 00	4.7314D 00	6.7204D-01	2.9402D-04	3.3280D-05	4.9410D-05	5.9506D 00
1.6778D 03	2.0643D 03	1.3708D 00	4.7270D 00	6.7528D-01	2.9015D-04	3.2536D-05	4.8202D-05	6.0195D 00
1.7765D 03	2.0719D 03	1.3680D 00	4.7228D 00	6.7846D-01	2.8645D-04	3.1827D-05	4.7056D-05	6.0875D 00
1.8752D 03	2.0795D 03	1.3653D 00	4.7186D 00	6.8158D-01	2.8291D-04	3.1151D-05	4.5966D-05	6.1547D 00
1.9738D 03	2.0871D 03	1.3627D 00	4.7145D 00	6.8465D-01	2.7951D-04	3.0505D-05	4.4929D-05	6.2210D 00
2.4673D 03	2.1260D 03	1.3513D 00	4.6948D 00	6.9919D-01	2.6432D-04	2.7666D-05	4.0403D-05	6.5420D 00
2.9608D 03	2.1658D 03	1.3416D 00	4.6766D 00	7.1260D-01	2.5154D-04	2.5334D-05	3.6735D-05	6.8475D 00
3.4542D 03	2.2063D 03	1.3334D 00	4.6595D 00	7.2507D-01	2.4058D-04	2.3381D-05	3.3693D-05	7.1403D 00
3.9477D 03	2.2472D 03	1.3262D 00	4.6434D 00	7.3675D-01	2.3103D-04	2.1716D-05	3.1126D-05	7.4223D 00
4.4412D 03	2.2886D 03	1.3199D 00	4.6281D 00	7.4774D-01	2.2261D-04	2.0280D-05	2.8929D-05	7.6950D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1700.0 K, CV= 0.92526D 00 J/G-K

P (ATM)	H-H (298) (J/G)	CP (J/G-K)	S (J/G-K)	ENH (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
4.9346D 03	2.3303D 03	1.3143D 00	4.6136D 00	7.5813D-01	2.1512D-04	1.9027D-05	2.7027D-05	7.9594D 00
5.9215D 03	2.4144D 03	1.3049D 00	4.5864D 00	7.7737D-01	2.0236D-04	1.6947D-05	2.3901D-05	8.4667D 00
6.9085D 03	2.4990D 03	1.2974D 00	4.5613D 00	7.9492D-01	1.9189D-04	1.5292D-05	2.1442D-05	8.9494D 00
7.8954D 03	2.5839D 03	1.2913D 00	4.5380D 00	8.1110D-01	1.8315D-04	1.3945D-05	1.9462D-05	9.4107D 00
8.8823D 03	2.6688D 03	1.2863D 00	4.5161D 00	8.2615D-01	1.7576D-04	1.2831D-05	1.7878D-05	9.8531D 00
9.8692D 03	2.7536D 03	1.2823D 00	4.4954D 00	8.4025D-01	1.6945D-04	1.1895D-05	1.6446D-05	1.0279D 01
1.1643D 04	2.9225D 03	1.2764D 00	4.4569D 00	8.6613D-01	1.5932D-04	1.0420D-05	1.4375D-05	1.1083D 01
1.3817D 04	3.0902D 03	1.2727D 00	4.4215D 00	8.8963D-01	1.5166D-04	9.3167D-06	1.2816D-05	1.1834D 01
1.5791D 04	3.2562D 03	1.2706D 00	4.3885D 00	9.1130D-01	1.4577D-04	8.4682D-06	1.1629D-05	1.2535D 01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1800.0 K, CV= 0.95663D 00 J/G-K

P (ATM)	H-H (298) (J/G)	CP (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
4.0340D 01	2.1016D 03	1.5158D 00	4.8979D 00	5.8512D-01	4.2180D-04	6.2600D-05	9.9188D-05	4.2525D 00
9.8692D 01	2.1041D 03	1.5076D 00	4.8937D 00	5.8845D-01	4.1231D-04	6.0684D-05	9.5634D-05	4.3113D 00
1.9738D 02	2.1087D 03	1.4954D 00	4.8869D 00	5.9387D-01	3.9795D-04	5.7750D-05	9.0274D-05	4.4082D 00
2.9608D 02	2.1137D 03	1.4848D 00	4.8803D 00	5.9505D-01	3.8533D-04	5.5142D-05	8.5588D-05	4.5021D 00
3.9477D 02	2.1189D 03	1.4756D 00	4.8740D 00	6.0400D-01	3.7414D-04	5.2805D-05	8.1450D-05	4.5935D 00
4.9346D 02	2.1245D 03	1.4675D 00	4.8679D 00	6.0876D-01	3.6413D-04	5.0694D-05	7.7765D-05	4.6824D 00
5.9215D 02	2.1302D 03	1.4603D 00	4.8620D 00	6.1335D-01	3.5511D-04	4.8778D-05	7.4457D-05	4.7693D 00
6.9085D 02	2.1362D 03	1.4538D 00	4.8563D 00	6.1778D-01	3.4693D-04	4.7027D-05	7.1460D-05	4.8543D 00
7.8954D 02	2.1424D 03	1.4481D 00	4.8508D 00	6.2207D-01	3.3946D-04	4.5419D-05	6.8752D-05	4.9375D 00
8.8823D 02	2.1487D 03	1.4432D 00	4.8454D 00	6.2623D-01	3.3283D-04	4.3958D-05	6.6314D-05	5.0190D 00
9.8692D 02	2.1552D 03	1.4386D 00	4.8402D 00	6.3027D-01	3.2668D-04	4.2607D-05	6.4074D-05	5.0985D 00
1.0856D 03	2.1618D 03	1.4344D 00	4.8351D 00	6.3420D-01	3.2094D-04	4.1350D-05	6.2001D-05	5.1763D 00
1.1843D 03	2.1685D 03	1.4304D 00	4.8301D 00	6.3804D-01	3.1555D-04	4.0177D-05	6.0076D-05	5.2526D 00
1.2830D 03	2.1753D 03	1.4267D 00	4.8252D 00	6.4177D-01	3.1048D-04	3.9078D-05	5.8280D-05	5.3273D 00
1.3817D 03	2.1822D 03	1.4232D 00	4.8204D 00	6.4542D-01	3.0568D-04	3.8046D-05	5.6600D-05	5.4007D 00
1.4804D 03	2.1893D 03	1.4198D 00	4.8157D 00	6.4899D-01	3.0114D-04	3.7074D-05	5.5025D-05	5.4729D 00
1.5791D 03	2.1964D 03	1.4166D 00	4.8111D 00	6.5247D-01	2.9684D-04	3.6157D-05	5.3543D-05	5.5438D 00
1.6778D 03	2.2035D 03	1.4136D 00	4.8066D 00	6.5588D-01	2.9273D-04	3.5289D-05	5.2146D-05	5.6137D 00
1.7765D 03	2.2108D 03	1.4107D 00	4.8022D 00	6.5922D-01	2.8882D-04	3.4466D-05	5.0827D-05	5.6825D 00
1.8752D 03	2.2181D 03	1.4080D 00	4.7978D 00	6.6250D-01	2.8509D-04	3.3685D-05	4.9577D-05	5.7504D 00
1.9738D 03	2.2255D 03	1.4053D 00	4.7936D 00	6.6571D-01	2.8154D-04	3.2942D-05	4.8392D-05	5.8173D 00
2.4673D 03	2.2632D 03	1.3936D 00	4.7733D 00	6.8090D-01	2.6566D-04	2.9702D-05	4.3268D-05	6.1399D 00
2.9608D 03	2.3020D 03	1.3837D 00	4.7544D 00	6.9486D-01	2.5243D-04	2.7076D-05	3.9164D-05	6.4455D 00
3.4542D 03	2.3416D 03	1.3753D 00	4.7369D 00	7.0782D-01	2.4114D-04	2.4896D-05	3.5791D-05	6.7375D 00
3.9477D 03	2.3819D 03	1.3680D 00	4.7203D 00	7.1991D-01	2.3133D-04	2.3051D-05	3.2963D-05	7.0181D 00
4.4412D 03	2.4227D 03	1.3615D 00	4.7047D 00	7.3127D-01	2.2271D-04	2.1468D-05	3.0555D-05	7.2890D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1800.0 K, CV= 0.55663D 00 J/G-K

P (ATM)	H-H(298) (J/G)	CP (J/G-K)	S (J/G-K)	SHC (G/CC)	ALPHA P (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMA V (ATM/K)
4.9346D 03	2.4638D 03	1.3558D 00	4.6898D 00	7.4199D-01	2.1505D-04	2.0094D-05	2.8478D-05	7.5515D 00
5.9215D 03	2.5469D 03	1.3462D 00	4.6621D 00	7.6181D-01	2.0201D-04	1.7822D-05	2.5080D-05	8.0547D 00
6.9085D 03	2.6308D 03	1.3384D 00	4.6366D 00	7.7984D-01	1.9131D-04	1.6023D-05	2.2419D-05	8.5334D 00
7.8954D 03	2.7150D 03	1.3322D 00	4.6129D 00	7.9641D-01	1.8237D-04	1.4565D-05	2.0283D-05	8.9912D 00
8.8823D 03	2.7994D 03	1.3270D 00	4.5907D 00	8.1179D-01	1.7481D-04	1.3362D-05	1.8536D-05	9.4307D 00
9.8692D 03	2.8838D 03	1.3229D 00	4.5698D 00	8.2617D-01	1.6835D-04	1.2355D-05	1.7085D-05	9.8538D 00
1.1843D 04	3.0522D 03	1.3168D 00	4.5310D 00	8.5250D-01	1.5797D-04	1.0770D-05	1.4824D-05	1.0656D 01
1.3817D 04	3.2194D 03	1.3130D 00	4.4954D 00	8.7630D-01	1.5010D-04	9.5877D-06	1.3159D-05	1.1406D 01
1.5791D 04	3.3852D 03	1.3109D 00	4.4623D 00	8.9819D-01	1.4404D-04	8.6803D-06	1.1895D-05	1.2110D 01
1.7765D 04	3.5492D 03	1.3100D 00	4.4311D 00	9.1860D-01	1.3935D-04	7.9678D-06	1.0911D-05	1.2771D 01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1900.0 K, CV= 0.99517D 00 J/G-K

P (ATM)	H-H(298) (J/G)	CP (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
5.6903D 01	2.2575D 03	1.5950D 00	4.9806D 00	5.6111D-01	4.5443D-04	7.3708D-05	1.1813D-04	3.8468D 00
9.8692D 01	2.2586D 03	1.5861D 00	4.9773D 00	5.6384D-01	4.4473D-04	7.1707D-05	1.1429D-04	3.8913D 00
1.9738D 02	2.2617D 03	1.5677D 00	4.9696D 00	5.7000D-01	4.2446D-04	6.7473D-05	1.0629D-04	3.9934D 00
2.9608D 02	2.2654E 03	1.5522D 00	4.9623D 00	5.7581D-01	4.0721D-04	6.3807D-05	9.9525D-05	4.0916D 00
3.9477D 02	2.2695D 03	1.5351D 00	4.9554D 00	5.8133D-01	3.9232D-04	6.0595D-05	9.3715D-05	4.1863D 00
4.9346D 02	2.2741E 03	1.5278D 00	4.9488D 00	5.8658D-01	3.7931D-04	5.7752D-05	8.8661D-05	4.2782D 00
5.9215D 02	2.2790D 03	1.5179D 00	4.9425D 00	5.9160D-01	3.6781D-04	5.5214D-05	8.4218D-05	4.3674D 00
6.9085D 02	2.2843D 03	1.5093D 00	4.9364D 00	5.9642D-01	3.5757D-04	5.2931D-05	8.0275D-05	4.4543D 00
7.8954D 02	2.2898D 03	1.5017D 00	4.9305D 00	6.0106D-01	3.4837D-04	5.0863D-05	7.6749D-05	4.5390D 00
8.8823D 02	2.2955D 03	1.4949D 00	4.9248D 00	6.0553D-01	3.4005D-04	4.8979D-05	7.3573D-05	4.6219D 00
9.8692D 02	2.3015D 03	1.4888D 00	4.9192D 00	6.0986D-01	3.3248D-04	4.7255D-05	7.0695D-05	4.7030D 00
1.0856D 03	2.3076D 03	1.4833D 00	4.9139D 00	6.1405D-01	3.2556D-04	4.5670D-05	6.8072D-05	4.7826D 00
1.1843D 03	2.3139D 03	1.4784D 00	4.9086D 00	6.1811D-01	3.1920D-04	4.4205D-05	6.5671D-05	4.8606D 00
1.2830E 03	2.3203E 03	1.4739D 00	4.9035D 00	6.2206D-01	3.1332D-04	4.2847D-05	6.3460D-05	4.9373D 00
1.3817D 03	2.3269E 03	1.4703D 00	4.8986D 00	6.2591D-01	3.0816D-04	4.1611D-05	6.1477D-05	5.0126D 00
1.4804D 03	2.3336D 03	1.4669D 00	4.8937D 00	6.2966D-01	3.0334D-04	4.0458D-05	5.9638D-05	5.0864D 00
1.5751D 03	2.3403D 03	1.4637D 00	4.8889D 00	6.3332D-01	2.9879D-04	3.9378D-05	5.7918D-05	5.1588D 00
1.6778D 03	2.3472D 03	1.4607D 00	4.8843D 00	6.3690D-01	2.9447D-04	3.8361D-05	5.6306D-05	5.2299D 00
1.7765D 03	2.3542D 03	1.4578D 00	4.8797D 00	6.4040D-01	2.9038D-04	3.7402D-05	5.4790D-05	5.2998D 00
1.8752D 03	2.3612D 03	1.4551D 00	4.8752D 00	6.4383D-01	2.8647D-04	3.6495D-05	5.3361D-05	5.3686D 00
1.9738D 03	2.3683D 03	1.4524D 00	4.8708D 00	6.4718D-01	2.8275D-04	3.5637D-05	5.2011D-05	5.4364D 00
2.4673D 03	2.4049D 03	1.4408D 00	4.8498D 00	6.6302D-01	2.6635D-04	3.1933D-05	4.6231D-05	5.7613D 00
2.9608D 03	2.4427D 03	1.4310D 00	4.8305D 00	6.7753D-01	2.5278D-04	2.8973D-05	4.1661D-05	6.0675D 00
3.4542D 03	2.4815D 03	1.4226D 00	4.8125D 00	6.9095D-01	2.4125D-04	2.6540D-05	3.7939D-05	6.3588D 00
3.9477D 03	2.5210D 03	1.4153D 00	4.7955D 00	7.0345D-01	2.3126D-04	2.4497D-05	3.4839D-05	6.6381D 00
4.4412D 03	2.5611D 03	1.4089D 00	4.7795D 00	7.1517D-01	2.2250D-04	2.2753D-05	3.2212D-05	6.9072D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 1900.0 K, CV= 0.99517D 00 J/G-K

P (ATM)	H-H (298) (J/G)	CP (J/G-K)	S (J/G-K)	HHO (G/CC)	ALPHA P (1/K)	BETA S (1/ATM)	BETA T (1/ATM)	GAMMA V (ATM/K)
4.9346D 03	2.6017D 03	1.4032D 00	4.7644D 00	7.2622D-01	2.1472D-04	2.1246D-05	2.9957D-05	7.1675D 00
5.9215D 03	2.6838D 03	1.3935D 00	4.7361D 00	7.4659D-01	2.0147D-04	1.8769D-05	2.6281D-05	7.6662D 00
6.9085D 03	2.7669D 03	1.3856D 00	4.7102D 00	7.6509D-01	1.9060D-04	1.6817D-05	2.3415D-05	8.1402D 00
7.8954D 03	2.8505D 03	1.3792D 00	4.6862D 00	7.8205D-01	1.8151D-04	1.5241D-05	2.1121D-05	8.5937D 00
8.8823D 03	2.9344D 03	1.3739D 00	4.6637D 00	7.9777D-01	1.7381D-04	1.3943D-05	1.9250D-05	9.0293D 00
9.8692D 03	3.0184D 03	1.3696D 00	4.6425D 00	8.1243D-01	1.6722D-04	1.2859D-05	1.7697D-05	9.4491D 00
1.1843D 04	3.1861D 03	1.3633D 00	4.6034D 00	8.3920D-01	1.5661D-04	1.1157D-05	1.5285D-05	1.0247D 01
1.3817D 04	3.3530D 03	1.3594D 00	4.5676D 00	8.6332D-01	1.4855D-04	9.8914D-06	1.3512D-05	1.0995D 01
1.5791D 04	3.5185D 03	1.3572D 00	4.5343D 00	8.8542D-01	1.4234D-04	8.9215D-06	1.2167D-05	1.1698D 01
1.7765D 04	3.6825D 03	1.3564D 00	4.5031D 00	9.0597D-01	1.3751D-04	8.1611D-06	1.1124D-05	1.2362D 01
1.9738D 04	3.8447D 03	1.3566D 00	4.4735D 00	9.2530D-01	1.3373D-04	7.5535D-06	1.0297D-05	1.2988D 01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 2000.0 K, CV= 0.10435D 01 J/G-K

P (ATM)	H-H (290) (J/G)	CP (J/G-K)	S (J/G-K)	HHO (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
7.7482D 01	2.4223D 03	1.7024D 00	5.0632D 00	5.3640D-01	5.0369D-04	8.9176D-05	1.4548D-04	3.4623D 00
9.8692D 01	2.4223D 03	1.6950D 00	5.0612D 00	5.3804D-01	4.9606D-04	8.7589D-05	1.4227D-04	3.4867D 00
1.9738D 02	2.4231D 03	1.6652D 00	5.0523D 00	5.4529D-01	4.6510D-04	8.1033D-05	1.2931D-04	3.5967D 00
2.9608D 02	2.4248D 03	1.6413D 00	5.0441D 00	5.5199D-01	4.3995D-04	7.5574D-05	1.1887D-04	3.7011D 00
3.9477D 02	2.4273D 03	1.6217D 00	5.0364D 00	5.5826D-01	4.1903D-04	7.0940D-05	1.1024D-04	3.8009D 00
4.9346D 02	2.4306D 03	1.6052D 00	5.0291D 00	5.6416D-01	4.0131D-04	6.6947D-05	1.0299D-04	3.8967D 00
5.9215D 02	2.4343D 03	1.5913D 00	5.0221D 00	5.6975D-01	3.8606D-04	6.3462D-05	9.6776D-05	3.9892D 00
6.9085D 02	2.4386D 03	1.5793D 00	5.0155D 00	5.7506D-01	3.7278D-04	6.0387D-05	9.1395D-05	4.0787D 00
7.8954D 02	2.4432D 03	1.5690D 00	5.0092D 00	5.8013D-01	3.6108D-04	5.7651D-05	8.6680D-05	4.1657D 00
8.8823D 02	2.4481D 03	1.5599D 00	5.0030D 00	5.8499D-01	3.5069D-04	5.5196D-05	8.2509D-05	4.2503D 00
9.8692D 02	2.4534D 03	1.5519D 00	4.9972D 00	5.8967D-01	3.4137D-04	5.2979D-05	7.8787D-05	4.3329D 00
1.0856D 03	2.4589D 03	1.5447D 00	4.9915D 00	5.9417D-01	3.3297D-04	5.0964D-05	7.5444D-05	4.4135D 00
1.1843D 03	2.4646D 03	1.5384D 00	4.9859D 00	5.9852D-01	3.2535D-04	4.9123D-05	7.2421D-05	4.4925D 00
1.2830D 03	2.4705D 03	1.5327D 00	4.9806D 00	6.0273D-01	3.1839D-04	4.7434D-05	6.9671D-05	4.5699D 00
1.3817D 03	2.4766D 03	1.5276D 00	4.9754D 00	6.0681D-01	3.1201D-04	4.5876D-05	6.7159D-05	4.6458D 00
1.4804D 03	2.4829D 03	1.5230D 00	4.9703D 00	6.1078D-01	3.0612D-04	4.4435D-05	6.4851D-05	4.7204D 00
1.5791D 03	2.4893D 03	1.5188D 00	4.9653D 00	6.1463D-01	3.0068D-04	4.3096D-05	6.2724D-05	4.7938D 00
1.6778D 03	2.4959D 03	1.5149D 00	4.9605D 00	6.1839D-01	2.9563D-04	4.1849D-05	6.0755D-05	4.8660D 00
1.7765D 03	2.5026D 03	1.5114D 00	4.9558D 00	6.2205D-01	2.9092D-04	4.0682D-05	5.8925D-05	4.9371D 00
1.8752D 03	2.5093D 03	1.5087D 00	4.9511D 00	6.2563D-01	2.8683D-04	3.9621D-05	5.7285D-05	5.0071D 00
1.9738D 03	2.5162D 03	1.5062D 00	4.9466D 00	6.2913D-01	2.8300D-04	3.8626D-05	5.5753D-05	5.0759D 00
2.4673D 03	2.5516D 03	1.4952D 00	4.9251D 00	6.4559D-01	2.6624D-04	3.4383D-05	4.9264D-05	5.4043D 00
2.9608D 03	2.5885D 03	1.4859D 00	4.9052D 00	6.6062D-01	2.5246D-04	3.1043D-05	4.4202D-05	5.7115D 00
3.4542D 03	2.6264D 03	1.4778D 00	4.8868D 00	6.7449D-01	2.4081D-04	2.8328D-05	4.0117D-05	6.0026D 00
3.9477D 03	2.6652D 03	1.4708D 00	4.8695D 00	6.8778D-01	2.3074D-04	2.6066D-05	3.6738D-05	6.2807D 00
4.4412D 03	2.7047D 03	1.4645D 00	4.8532D 00	6.9945D-01	2.2191D-04	2.4147D-05	3.3890D-05	6.5480D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT $T = 2000.0 \text{ K}$, $CV = 0.104350 \text{ J/G-K}$

P (ATM)	H-H(298) (J/G)	CP (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
4.9346D 03	2.7447D 03	1.4589D 00	4.8377D 00	7.1081D-01	2.1407D-04	2.2497D-05	3.1452D-05	6.8062D 00
5.9215D 03	2.8259D 03	1.4493D 00	4.8090D 00	7.3173D-01	2.0072D-04	1.9797D-05	2.7496D-05	7.3000D 00
6.9085D 03	2.9082D 03	1.4415D 00	4.7827D 00	7.5067D-01	1.8975D-04	1.7681D-05	2.4424D-05	7.7690D 00
7.8954D 03	2.9911D 03	1.4350D 00	4.7583D 00	7.6802D-01	1.8055D-04	1.5978D-05	2.1972D-05	8.2175D 00
8.8823D 03	3.0745D 03	1.4297D 00	4.7356D 00	7.8406D-01	1.7275D-04	1.4579D-05	1.9975D-05	8.6485D 00
9.8692D 03	3.1580D 03	1.4253D 00	4.7142D 00	7.9900D-01	1.6606D-04	1.3414D-05	1.8321D-05	9.0641D 00
1.1843D 04	3.3251D 03	1.4188D 00	4.6747D 00	8.2621D-01	1.5527D-04	1.1587D-05	1.5755D-05	9.8550D 00
1.3817D 04	3.4916D 03	1.4148D 00	4.6387D 00	8.5065D-01	1.4703D-04	1.0232D-05	1.3873D-05	1.0599D 01
1.5791D 04	3.6569D 03	1.4125D 00	4.6053D 00	8.7298D-01	1.4066D-04	9.1957D-06	1.2448D-05	1.1301D 01
1.7765D 04	3.8208D 03	1.4117D 00	4.5741D 00	8.9368D-01	1.3570D-04	8.3840D-06	1.1342D-05	1.1964D 01
1.9738D 04	3.9830D 03	1.4119D 00	4.5445D 00	9.1310D-01	1.3182D-04	7.7364D-06	1.0468D-05	1.2593D 01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 2100.0 K, CV= 0.110680 01 J/G-K

P (ATM)	H-H(258) (J/G)	CP (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
1.0237D 02	2.5993D 03	1.8571D 00	5.1471D 00	5.1032D-01	5.8201D-04	1.1220D-04	1.8826D-04	3.0916D 00
1.9738D 02	2.5962D 03	1.8058D 00	5.1368D 00	5.1894D-01	5.3099D-04	1.0138D-04	1.6541D-04	3.2102D 00
2.9608D 02	2.5948D 03	1.7657D 00	5.1270D 00	5.2700D-01	4.9082D-04	9.2547D-05	1.4764D-04	3.3245D 00
3.9477D 02	2.5949D 03	1.7345D 00	5.1181D 00	5.3435D-01	4.5926D-04	8.5397D-05	1.3382D-04	3.4319D 00
4.9346D 02	2.5960D 03	1.7094D 00	5.1098D 00	5.4115D-01	4.3370D-04	7.9468D-05	1.2273D-04	3.5336D 00
5.9215D 02	2.5981D 03	1.6889D 00	5.1020D 00	5.4749D-01	4.1248D-04	7.4452D-05	1.1360D-04	3.6308D 00
6.9085D 02	2.6009D 03	1.6717D 00	5.0947D 00	5.5345D-01	3.9454D-04	7.0142D-05	1.0594D-04	3.7241D 00
7.8954D 02	2.6043D 03	1.6572D 00	5.0877D 00	5.5908D-01	3.7913D-04	6.6390D-05	9.9403D-05	3.8141D 00
8.8823D 02	2.6081D 03	1.6447D 00	5.0811D 00	5.6443D-01	3.6573D-04	6.3090D-05	9.3749D-05	3.9012D 00
9.8692D 02	2.6125D 03	1.6339D 00	5.0748D 00	5.6954D-01	3.5395D-04	6.0158D-05	8.8806D-05	3.9857D 00
1.0856D 03	2.6171D 03	1.6245D 00	5.0687D 00	5.7443D-01	3.4350D-04	5.7534D-05	8.4441D-05	4.0680D 00
1.1843D 03	2.6221D 03	1.6161D 00	5.0628D 00	5.7912D-01	3.3415D-04	5.5168D-05	8.0554D-05	4.1482D 00
1.2830D 03	2.6274D 03	1.6088D 00	5.0571D 00	5.8364D-01	3.2573D-04	5.3022D-05	7.7067D-05	4.2266D 00
1.3817D 03	2.6330D 03	1.6022D 00	5.0516D 00	5.8800D-01	3.1810D-04	5.1064D-05	7.3919D-05	4.3033D 00
1.4804D 03	2.6387D 03	1.5963D 00	5.0463D 00	5.9222D-01	3.1114D-04	4.9271D-05	7.1061D-05	4.3785D 00
1.5791D 03	2.6447D 03	1.5910D 00	5.0411D 00	5.9631D-01	3.0477D-04	4.7620D-05	6.8452D-05	4.4523D 00
1.6778D 03	2.6508D 03	1.5863D 00	5.0361D 00	6.0028D-01	2.9891D-04	4.6094D-05	6.6060D-05	4.5248D 00
1.7765D 03	2.6571D 03	1.5819D 00	5.0311D 00	6.0414D-01	2.9349D-04	4.4678D-05	6.3857D-05	4.5961D 00
1.8752D 03	2.6635D 03	1.5780D 00	5.0263D 00	6.0790D-01	2.8847D-04	4.3361D-05	6.1820D-05	4.6662D 00
1.9738D 03	2.6700D 03	1.5744D 00	5.0217D 00	6.1156D-01	2.8379D-04	4.2132D-05	5.9931D-05	4.7353D 00
2.4673D 03	2.7043D 03	1.5615D 00	4.9996D 00	6.2866D-01	2.6513D-04	3.7091D-05	5.2328D-05	5.0668D 00
2.9608D 03	2.7403D 03	1.5532D 00	4.9793D 00	6.4418D-01	2.5136D-04	3.3320D-05	4.6758D-05	5.3758D 00
3.4542D 03	2.7775D 03	1.5459D 00	4.9605D 00	6.5847D-01	2.3974D-04	3.0289D-05	4.2304D-05	5.6670D 00
3.9477D 03	2.8156D 03	1.5393D 00	4.9428D 00	6.7174D-01	2.2970D-04	2.7785D-05	3.8643D-05	5.9442D 00
4.4412D 03	2.8545D 03	1.5335D 00	4.9262D 00	6.8414D-01	2.2089D-04	2.5674D-05	3.5571D-05	6.2099D 00
4.9346D 03	2.8939D 03	1.5282D 00	4.9105D 00	6.9579D-01	2.1307D-04	2.3867D-05	3.2953D-05	6.4660D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 2100.0 K, CV= 0.11068D 01 J/G-K

P (ATM)	H-H(298) (J/G)	CP (J/G-K)	S (J/G-K)	KHO (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	LETAT (1/ATM)	GAMMAV (ATM/K)
5.9215D 03	2.9742D 03	1.5190D 00	4.8813D 00	7.1722D-01	1.9973D-04	2.0926D-05	2.8718D-05	6.9549D 00
6.9085D 03	3.0557D 03	1.5113D 00	4.8546D 00	7.3660D-01	1.8873D-04	1.8632D-05	2.5440D-05	7.4186D 00
7.8954D 03	3.1380D 03	1.5049D 00	4.8299D 00	7.5432D-01	1.7949D-04	1.6792D-05	2.2831D-05	7.8617D 00
8.8823D 03	3.2208D 03	1.4996D 00	4.8069D 00	7.7068D-01	1.7163D-04	1.5285D-05	2.0709D-05	8.2877D 00
9.8692D 03	3.3039D 03	1.4951D 00	4.7853D 00	7.8589D-01	1.6487D-04	1.4031D-05	1.8953D-05	8.6986D 00
1.1843D 04	3.4703D 03	1.4885D 00	4.7455D 00	8.1354D-01	1.5392D-04	1.2071D-05	1.6234D-05	9.4814D 00
1.3817D 04	3.6364D 03	1.4843D 00	4.7093D 00	8.3830D-01	1.4554D-04	1.0619D-05	1.4242D-05	1.0219D 01
1.5791D 04	3.8015D 03	1.4820D 00	4.6758D 00	8.6086D-01	1.3903D-04	9.5110D-06	1.2735D-05	1.0917D 01
1.7765D 04	3.9653D 03	1.4811D 00	4.6445D 00	8.8171D-01	1.3394D-04	8.6438D-06	1.1567D-05	1.1579D 01
1.9738D 04	4.1275D 03	1.4814D 00	4.6150D 00	9.0122D-01	1.2994D-4	7.9527D-6	1.0644D-05	1.2208D 01
2.1712D 04	4.2890D 03	1.4826D 00	4.5868D 00	9.1966D-01	1.2681D-04	7.3932D-06	9.9029D-06	1.2806D 01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 2200.0 K, CV= 0.119600 01 J/G-K

P (ATM)	H-H(256) (J/G)	CP (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
1.3180D 02	2.7538D 03	2.1010D 00	5.2348D 00	4.8169D-01	7.1770D-04	1.5010D-04	2.6356D-04	2.7230D 00
1.9738D 02	2.7870D 03	2.0299D 00	5.2255D 00	4.6952D-01	6.4889D-04	1.3563D-04	2.3009D-04	2.8201D 00
2.9608D 02	2.7800D 03	1.9538D 00	5.2132D 00	4.9984D-01	5.7514D-04	1.1931D-04	1.9482D-04	2.9522D 00
3.9477D 02	2.7760D 03	1.8997D 00	5.2023D 00	5.0889D-01	5.2251D-04	1.0712D-04	1.7008D-04	3.0721D 00
4.9346D 02	2.7740D 03	1.8591D 00	5.1925D 00	5.1701D-01	4.8269D-04	9.7598D-05	1.5164D-04	3.1832D 00
5.9215D 02	2.7735D 03	1.8273D 00	5.1836D 00	5.2442D-01	4.5134D-04	8.9900D-05	1.3729D-04	3.2875D 00
6.9085D 02	2.7741D 03	1.8017D 00	5.1753D 00	5.3126D-01	4.2589D-04	8.3525D-05	1.2577D-04	3.3863D 00
7.8954D 02	2.7758D 03	1.7807D 00	5.1675D 00	5.3763D-01	4.0476D-04	7.8141D-05	1.1629D-04	3.4807D 00
8.8823D 02	2.7782D 03	1.7631D 00	5.1602D 00	5.4362D-01	3.8688D-04	7.3521D-05	1.0833D-04	3.5712D 00
9.8652D 02	2.7812D 03	1.7482D 00	5.1532D 00	5.4928D-01	3.7152D-04	6.9507D-05	1.0155D-04	3.6585D 00
1.0856D 03	2.7848D 03	1.7354D 00	5.1466D 00	5.5464D-01	3.5817D-04	6.5379D-05	9.5691D-05	3.7430D 00
1.1843D 03	2.7888D 03	1.7243D 00	5.1403D 00	5.5976D-01	3.4644D-04	6.2851D-05	9.0571D-05	3.8250D 00
1.2830D 03	2.7933D 03	1.7146D 00	5.1342D 00	5.6465D-01	3.3603D-04	6.0054D-05	8.6054D-05	3.9049D 00
1.3817D 03	2.7980D 03	1.7060D 00	5.1284D 00	5.6936D-01	3.2672D-04	5.7536D-05	8.2035D-05	3.9827D 00
1.4804D 03	2.8031D 03	1.6985D 00	5.1228D 00	5.7389D-01	3.1835D-04	5.5256D-05	7.8434D-05	4.0588D 00
1.5791D 03	2.8085D 03	1.6917D 00	5.1173D 00	5.7825D-01	3.1076D-04	5.3178D-05	7.5185D-05	4.1333D 00
1.6778D 03	2.8141D 03	1.6857D 00	5.1120D 00	5.8247D-01	3.0385D-04	5.1277D-05	7.2238D-05	4.2062D 00
1.7765D 03	2.8199D 03	1.6803D 00	5.1069D 00	5.8656D-01	2.9752D-04	4.9528D-05	6.9550D-05	4.2778D 00
1.8752D 03	2.8258D 03	1.6754D 00	5.1019D 00	5.9053D-01	2.9171D-04	4.7914D-05	6.7087D-05	4.3482D 00
1.9738D 03	2.8320D 03	1.6709D 00	5.0970D 00	5.9438D-01	2.8634D-04	4.6418D-05	6.4821D-05	4.4174D 00
2.4673D 03	2.8647D 03	1.6540D 00	5.0742D 00	6.1224D-01	2.6466D-04	4.0314D-05	5.5727D-05	4.7483D 00
2.9608D 03	2.8999D 03	1.6441D 00	5.0535D 00	6.2825D-01	2.4933D-04	3.5871D-05	4.9287D-05	5.0587D 00
3.4542D 03	2.9364D 03	1.6379D 00	5.0344D 00	6.4293D-01	2.3792D-04	3.2484D-05	4.4467D-05	5.3505D 00
3.9477D 03	2.9739D 03	1.6323D 00	5.0165D 00	6.5653D-01	2.2806D-04	2.9710D-05	4.0529D-05	5.6271D 00
4.4412D 03	3.0122D 03	1.6271D 00	4.9996D 00	6.6924D-01	2.1939D-04	2.7385D-05	3.7239D-05	5.8914D 00
4.9346D 03	3.0512D 03	1.6223D 00	4.9836D 00	6.8117D-01	2.1167D-04	2.5404D-05	3.4443D-05	6.1456D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 2200.0 K, CV= 0.11966D 01 J/G-K

P (ATM)	H-H (298) (J/G)	CP (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHA (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMA (ATM/K)
5.9215D 03	3.1305D 03	1.6137D 00	4.9540D 00	7.0308D-01	1.9846D-04	2.2197D-05	2.9935D-05	6.6297D 00
6.9085D 03	3.2112D 03	1.6064D 00	4.9270D 00	7.2287D-01	1.8752D-04	1.9706D-05	2.6457D-05	7.0879D 00
7.8954D 03	3.2929D 03	1.6002D 00	4.9020D 00	7.4094D-01	1.7830D-04	1.7716D-05	2.3693D-05	7.5255D 00
8.8823D 03	3.3752D 03	1.5950D 00	4.8788D 00	7.5761D-01	1.7042D-04	1.6089D-05	2.1447D-05	7.9460D 00
9.8692D 03	3.4579D 03	1.5906D 00	4.8569D 00	7.7308D-01	1.6363D-04	1.4738D-05	1.9592D-05	8.3518D 00
1.1843D 04	3.6237D 03	1.5840D 00	4.8168D 00	8.0117D-01	1.5257D-04	1.2630D-05	1.6719D-05	9.1255D 00
1.3817D 04	3.7893D 03	1.5797D 00	4.7804D 00	8.2625D-01	1.4407D-04	1.1072D-05	1.4617D-05	9.8560D 00
1.5781D 04	3.9542D 03	1.5772D 00	4.7468D 00	8.4904D-01	1.3744D-04	9.8843D-06	1.3029D-05	1.0549D 01
1.7765D 04	4.1179D 03	1.5763D 00	4.7155D 00	8.7006D-01	1.3223D-04	8.9559D-06	1.1798D-05	1.1208D 01
1.9738D 04	4.2801D 03	1.5765D 00	4.6859D 00	8.8967D-01	1.2812D-04	8.2165D-06	1.0825D-05	1.1835D 01
2.1712D 04	4.4407D 03	1.5777D 00	4.6578D 00	9.0816D-01	1.2489D-04	7.6184D-06	1.0045D-05	1.2433D 01
2.3686D 04	4.5995D 03	1.5797D 00	4.6308D 00	9.2575D-01	1.2236D-04	7.1282D-06	9.4105D-06	1.3003D 01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 2300.0 K, CV= 0.13443D 01 J/G-K

P (ATM)	H-H (298) (J/G)	CP (J/G-K)	S (J/G-K)	EH0 (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
1.6593D 02	3.0170D 03	2.5487D 00	5.3307D 00	4.4811D-01	9.9215D-04	2.2420D-04	4.2507D-04	2.3341D 00
1.9738D 02	3.0086D 03	2.4592D 00	5.3240D 00	4.5379D-01	9.0572D-04	2.0654D-04	3.7785D-04	2.3970D 00
2.9608D 02	2.9899D 03	2.2779D 00	5.3064D 00	4.6865D-01	7.3142D-04	1.6815D-04	2.8494D-04	2.5669D 00
3.9477D 02	2.9782D 03	2.1707D 00	5.2922D 00	4.8066D-01	6.2887D-04	1.4369D-04	2.3202D-04	2.7104D 00
4.9346D 02	2.9708D 03	2.0986D 00	5.2800D 00	4.9090D-01	5.5999D-04	1.2642D-04	1.9736D-04	2.8375D 00
5.9215D 02	2.9662D 03	2.0464D 00	5.2692D 00	4.9991D-01	5.0996D-04	1.1344D-04	1.7268D-04	2.9532D 00
6.9085D 02	2.9636D 03	2.0065D 00	5.2595D 00	5.0802D-01	4.7170D-04	1.0326D-04	1.5413D-04	3.0605D 00
7.8954D 02	2.9627D 03	1.9751D 00	5.2505D 00	5.1542D-01	4.4133D-04	9.5016D-05	1.3960D-04	3.1613D 00
8.8823D 02	2.9630D 03	1.9497D 00	5.2423D 00	5.2226D-01	4.1655D-04	8.8185D-05	1.2790D-04	3.2569D 00
9.8692D 02	2.9642D 03	1.9286D 00	5.2346D 00	5.2863D-01	3.9588D-04	8.2415D-05	1.1824D-04	3.3481D 00
1.0856D 03	2.9663D 03	1.9109D 00	5.2273D 00	5.3462D-01	3.7835D-04	7.7466D-05	1.1012D-04	3.4358D 00
1.1843D 03	2.9690D 03	1.8959D 00	5.2204D 00	5.4027D-01	3.6326D-04	7.3166D-05	1.0319D-04	3.5203D 00
1.2830D 03	2.9724D 03	1.8830D 00	5.2138D 00	5.4564D-01	3.5012D-04	6.9391D-05	9.7197D-05	3.6021D 00
1.3817D 03	2.9762D 03	1.8717D 00	5.2075D 00	5.5075D-01	3.3855D-04	6.6046D-05	9.1959D-05	3.6873D 00
1.4804D 03	2.9804D 03	1.8619D 00	5.2015D 00	5.5564D-01	3.2829D-04	6.3058D-05	8.7336D-05	3.7589D 00
1.5791D 03	2.9850D 03	1.8532D 00	5.1957D 00	5.6034D-01	3.1911D-04	6.0370D-05	8.3224D-05	3.8343D 00
1.6778D 03	2.9899D 03	1.8455D 00	5.1901D 00	5.6485D-01	3.1084D-04	5.7937D-05	7.9538D-05	3.9080D 00
1.7765D 03	2.9950D 03	1.8386D 00	5.1847D 00	5.6921D-01	3.0335D-04	5.5723D-05	7.6214D-05	3.9802D 00
1.8752D 03	3.0005D 03	1.8325D 00	5.1795D 00	5.7342D-01	2.9653D-04	5.3698D-05	7.3200D-05	4.0509D 00
1.9738D 03	3.0061D 03	1.8270D 00	5.1744D 00	5.7750D-01	2.9023D-04	5.1838D-05	7.0451D-05	4.1204D 00
2.4673D 03	3.0370D 03	1.8062D 00	5.1507D 00	5.9623D-01	2.6553D-04	4.4400D-05	5.9659D-05	4.4509D 00
2.9608D 03	3.0709D 03	1.7930D 00	5.1296D 00	6.1284D-01	2.4792D-04	3.9053D-05	5.2089D-05	4.7596D 00
3.4542D 03	3.1068D 03	1.7854D 00	5.1101D 00	6.2789D-01	2.3526D-04	3.5065D-05	4.6572D-05	5.0516D 00
3.9477D 03	3.1438D 03	1.7810D 00	5.0920D 00	6.4180D-01	2.2574D-04	3.1980D-05	4.2370D-05	5.3279D 00
4.4412D 03	3.1817D 03	1.7768D 00	5.0749D 00	6.5478D-01	2.1733D-04	2.9409D-05	3.8871D-05	5.5911D 00
4.9346D 03	3.2202D 03	1.7727D 00	5.0587D 00	6.6696D-01	2.0982D-04	2.7228D-05	3.5936D-05	5.8435D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 2300.0 K, CV= 0.13443D 01 J/G-K

P (ATM)	H-H (298) (J/G)	CP (J/G-K)	S (J/G-K)	HHO (G/CC)	ALPHAP (1/X)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
5.9215D 03	3.2987D 03	1.7652D 00	5.0288D 00	6.8932D-01	1.9688D-04	2.3713D-05	3.1138D-05	6.3230D 00
6.9085D 03	3.3788D 03	1.7585D 00	5.0014D 00	7.0949D-01	1.8610D-04	2.0996D-05	2.7466D-05	6.7758D 00
7.8954D 03	3.4598D 03	1.7527D 00	4.9762D 00	7.2790D-01	1.7696D-04	1.8831D-05	2.4552D-05	7.2078D 00
8.8823D 03	3.5416D 03	1.7476D 00	4.9527D 00	7.4485D-01	1.6912D-04	1.7066D-05	2.2186D-05	7.6226D 00
9.8692D 03	3.6238D 03	1.7433D 00	4.9307D 00	7.6059D-01	1.6233D-04	1.5601D-05	2.0233D-05	8.0230D 00
1.1843D 04	3.7890D 03	1.7367D 00	4.8903D 00	7.8909D-01	1.5122D-04	1.3321D-05	1.7210D-05	8.7869D 00
1.3817D 04	3.9542D 03	1.7324D 00	4.8537D 00	8.1449D-01	1.4263D-04	1.1639D-05	1.4999D-05	9.5091D 00
1.5791D 04	4.1188D 03	1.7298D 00	4.8200D 00	8.3752D-01	1.3589D-04	1.0358D-05	1.3328D-05	1.0195D 01
1.7765D 04	4.2824D 03	1.7288D 00	4.7886D 00	8.5870D-01	1.3057D-04	9.3580D-06	1.2034D-05	1.0850D 01
1.9738D 04	4.4447D 03	1.7289D 00	4.7590D 00	8.7842D-01	1.2636D-04	8.5622D-06	1.1012D-05	1.1474D 01
2.1712D 04	4.6054D 03	1.7301D 00	4.7310D 00	8.9697D-01	1.2303D-04	7.9191D-06	1.0192D-05	1.2071D 01
2.3686D 04	4.7644D 03	1.7321D 00	4.7041D 00	9.1458D-01	1.2041D-04	7.3925D-06	9.5255D-06	1.2641D 01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 2400.0 K, CV= 0.16826D 01 J/G-K

P (ATM)	H-H (298) (J/G)	CP (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
2.0486D 02	3.2984D 03	3.6863D 00	5.4463D 00	4.0322D-01	1.7766D-03	4.3368D-04	9.5011D-04	1.8699D 00
2.9608D 02	3.2480D 03	3.0015D 00	5.4161D 00	4.2906D-01	1.0923D-03	2.8747D-04	5.1279D-04	2.1302D 00
3.9477D 02	3.2191D 03	2.7304D 00	5.3946D 00	4.4739D-01	8.2863D-04	2.1953D-04	3.5623D-04	2.3261D 00
4.9346D 02	3.2013D 03	2.5851D 00	5.3780D 00	4.6144D-01	6.8954D-04	1.8072D-04	2.7765D-04	2.4835D 00
5.9215D 02	3.1897D 03	2.4923D 00	5.3643D 00	4.7306D-01	6.0141D-04	1.5503D-04	2.2964D-04	2.6190D 00
6.9085D 02	3.1821D 03	2.4272D 00	5.3524D 00	4.8307D-01	5.3977D-04	1.3657D-04	1.9699D-04	2.7400D 00
7.8954D 02	3.1772D 03	2.3786D 00	5.3418D 00	4.9195D-01	4.9384D-04	1.2254D-04	1.7323D-04	2.8508D 00
8.8823D 02	3.1744D 03	2.3408D 00	5.3322D 00	4.9997D-01	4.5811D-04	1.1148D-04	1.5508D-04	2.9539D 00
9.8652D 02	3.1731D 03	2.3106D 00	5.3234D 00	5.0731D-01	4.2940D-04	1.0249D-04	1.4074D-04	3.0510D 00
1.0856D 03	3.1731D 03	2.2859D 00	5.3152D 00	5.1410D-01	4.0576D-04	9.5026D-05	1.2910D-04	3.1431D 00
1.1843D 03	3.1740D 03	2.2653D 00	5.3076D 00	5.2044D-01	3.8592D-04	8.8716D-05	1.1944D-04	3.2311D 00
1.2830D 03	3.1758D 03	2.2479D 00	5.3004D 00	5.2639D-01	3.6900D-04	8.3303D-05	1.1129D-04	3.3157D 00
1.3817D 03	3.1783D 03	2.2330D 00	5.2935D 00	5.3201D-01	3.5438D-04	7.8600D-05	1.0431D-04	3.3974D 00
1.4804D 03	3.1814D 03	2.2201D 00	5.2870D 00	5.3736D-01	3.4160D-04	7.4472D-05	9.8259D-05	3.4765D 00
1.5791D 03	3.1850D 03	2.2088D 00	5.2808D 00	5.4245D-01	3.3033D-04	7.0817D-05	9.2963D-05	3.5533D 00
1.6778D 03	3.1891D 03	2.1990D 00	5.2748D 00	5.4732D-01	3.2030D-04	6.7554D-05	8.8284D-05	3.6281D 00
1.7765D 03	3.1935D 03	2.1903D 00	5.2691D 00	5.5199D-01	3.1133D-04	6.4622D-05	8.4117D-05	3.7011D 00
1.8752D 03	3.1982D 03	2.1825D 00	5.2636D 00	5.5649D-01	3.0323D-04	6.1970D-05	8.0381D-05	3.7724D 00
1.9736D 03	3.2032D 03	2.1756D 00	5.2582D 00	5.6083D-01	2.9589D-04	5.9559D-05	7.7008D-05	3.8423D 00
2.4673D 03	3.2318D 03	2.1501D 00	5.2336D 00	5.8056D-01	2.6742D-04	5.0150D-05	6.4082D-05	4.1731D 00
2.9608D 03	3.2643D 03	2.1342D 00	5.2118D 00	5.9784D-01	2.4778D-04	4.3604D-05	5.5306D-05	4.4801D 00
3.4542D 03	3.2993D 03	2.1238D 00	5.1920D 00	6.1337D-01	2.3327D-04	3.8749D-05	4.8908D-05	4.7696D 00
3.9477D 03	3.3358D 03	2.1180D 00	5.1736D 00	6.2757D-01	2.2266D-04	3.5062D-05	4.4133D-05	5.0452D 00
4.4412D 03	3.3733D 03	2.1150D 00	5.1564D 00	6.4078D-01	2.1466D-04	3.2176D-05	4.0445D-05	5.3075D 00
4.9346D 03	3.4114D 03	2.1120D 00	5.1401D 00	6.5318D-01	2.0746D-04	2.9736D-05	3.7323D-05	5.5584D 00
5.9215D 03	3.4893D 03	2.1058D 00	5.1098D 00	6.7594D-01	1.9496D-04	2.5819D-05	3.2313D-05	6.0335D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 2400.0 K, CV= 0.168260 01 J/G-K

P (ATM)	H-H(298) (J/G)	CP (J/G-K)	S (J/G-K)	ENH (G/CC)	ALPHA (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMA (ATM/K)
6.9085D 03	3.5687D 03	2.1000D 00	5.0822D 00	6.9646D-01	1.8444D-04	2.2802D-05	2.8459D-05	6.4811D 00
7.8954D 03	3.6492D 03	2.0948D 00	5.0567D 00	7.1518D-01	1.7546D-04	2.0404D-05	2.5402D-05	6.9074D 00
8.8823D 03	3.7305D 03	2.0901D 00	5.0330D 00	7.3241D-01	1.6771D-04	1.8453D-05	2.2921D-05	7.3166D 00
9.8692D 03	3.8123D 03	2.0860D 00	5.0109D 00	7.4839D-01	1.6096D-04	1.6837D-05	2.0873D-05	7.7113D 00
1.1843D 04	3.9768D 03	2.0795D 00	4.9702D 00	7.7730D-01	1.4986D-04	1.4325D-05	1.7703D-05	8.4648D 00
1.3817D 04	4.1416D 03	2.0751D 00	4.9334D 00	8.0301D-01	1.4120D-04	1.2475D-05	1.5385D-05	9.1780D 00
1.5791D 04	4.3059D 03	2.0725D 00	4.8996D 00	8.2628D-01	1.3438D-04	1.1069D-05	1.3633D-05	9.8569D 00
1.7765D 04	4.4694D 03	2.0713D 00	4.8681D 00	8.4763D-01	1.2897D-04	9.9725D-06	1.2276D-05	1.0505D 01
1.9738D 04	4.6317D 03	2.0714D 00	4.8386D 00	8.6747D-01	1.2465D-04	9.1013D-06	1.1204D-05	1.1126D 01
2.1712D 04	4.7925D 03	2.0726D 00	4.8106D 00	8.8609D-01	1.2123D-04	8.3978D-06	1.0344D-05	1.1720D 01
2.3686D 04	4.9517D 03	2.0746D 00	4.7838D 00	9.0372D-01	1.1852D-04	7.8224D-06	9.6445D-06	1.2289D 01
2.5660D 04	5.1092D 03	2.0773D 00	4.7580D 00	9.2055D-01	1.1640D-04	7.3466D-06	9.0697D-06	1.2834D 01

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 2500.0 K, CY= 0.59052D 01 J/G-K

F (ATM)	H-H (298) (J/G)	CP (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHAP (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMAV (ATM/K)
2.4863D 02	3.8500D 03	2.1003D 01	5.6657D 00	3.0091D-01	1.7987D-02	5.0720D-03	1.8040D-02	9.9708D-01
2.9608D 02	3.6814D 03	8.6319D 00	5.5926D 00	3.6496D-01	2.5927D-03	1.1706D-03	1.7111D-03	1.5152D 00
3.9477D 02	3.5940D 03	7.4094D 00	5.5473D 00	4.0403D-01	1.2776D-03	5.4228D-04	6.8041D-04	1.8777D 00
4.9346D 02	3.5533D 03	7.0582D 00	5.5214D 00	4.2620D-01	9.2355D-04	3.6786D-04	4.3969D-04	2.1005D 00
5.9215D 02	3.5286D 03	6.8793D 00	5.5023D 00	4.4244D-01	7.4878D-04	2.8288D-04	3.2954D-04	2.2722D 00
6.9085D 02	3.5124D 03	6.7680D 00	5.4869D 00	4.5551D-01	6.4206D-04	2.3184D-04	2.6572D-04	2.4163D 00
7.8954D 02	3.5013D 03	6.6910D 00	5.4738D 00	4.6659D-01	5.6920D-04	1.9755D-04	2.2383D-04	2.5430D 00
8.8823D 02	3.4938D 03	6.6343D 00	5.4624D 00	4.7628D-01	5.1587D-04	1.7279D-04	1.9412D-04	2.6575D 00
9.8692D 02	3.4889D 03	6.5907D 00	5.4521D 00	4.8493D-01	4.7493D-04	1.5402D-04	1.7189D-04	2.7630D 00
1.0856D 03	3.4859D 03	6.5559D 00	5.4427D 00	4.9279D-01	4.4240D-04	1.3926D-04	1.5460D-04	2.8615D 00
1.1843D 03	3.4845D 03	6.5277D 00	5.4341D 00	5.0002D-01	4.1586D-04	1.2733D-04	1.4075D-04	2.9546D 00
1.2830D 03	3.4843D 03	6.5042D 00	5.4260D 00	5.0672D-01	3.9375D-04	1.1748D-04	1.2939D-04	3.0431D 00
1.3817D 03	3.4850D 03	6.4844D 00	5.4185D 00	5.1298D-01	3.7502D-04	1.0919D-04	1.1990D-04	3.1278D 00
1.4804D 03	3.4867D 03	6.4676D 00	5.4114D 00	5.1888D-01	3.5893D-04	1.0211D-04	1.1184D-04	3.2093D 00
1.5751D 03	3.4890D 03	6.4530D 00	5.4046D 00	5.2445D-01	3.4495D-04	9.6003D-05	1.0491D-04	3.2880D 00
1.6778D 03	3.4919D 03	6.4404D 00	5.3982D 00	5.2975D-01	3.3267D-04	9.0665D-05	9.8882D-05	3.3644D 00
1.7765D 03	3.4953D 03	6.4293D 00	5.3921D 00	5.3480D-01	3.2181D-04	8.5959D-05	9.3589D-05	3.4385D 00
1.8752D 03	3.4992D 03	6.4196D 00	5.3862D 00	5.3964D-01	3.1211D-04	8.1779D-05	8.8902D-05	3.5108D 00
1.9738D 03	3.5034D 03	6.4109D 00	5.3805D 00	5.4428D-01	3.0341D-04	7.8037D-05	8.4720D-05	3.5813D 00
2.4673D 03	3.5291D 03	6.3794D 00	5.3547D 00	5.6516D-01	2.7040D-04	6.3963D-05	6.9100D-05	3.9131D 00
2.9608D 03	3.5599D 03	6.3602D 00	5.3322D 00	5.8320D-01	2.4832D-04	5.4648D-05	5.8860D-05	4.2189D 00
3.4542D 03	3.5937D 03	6.3479D 00	5.3119D 00	5.9925D-01	2.3241D-04	4.7981D-05	5.1578D-05	4.5059D 00
3.9477D 03	3.6295D 03	6.3396D 00	5.2933D 00	6.1383D-01	2.2030D-04	4.2942D-05	4.6102D-05	4.7785D 00
4.4412D 03	3.6667D 03	6.3352D 00	5.2759D 00	6.2728D-01	2.1132D-04	3.9086D-05	4.1933D-05	5.0395D 00
4.9346D 03	3.7046D 03	6.3335D 00	5.2595D 00	6.3986D-01	2.0455D-04	3.6059D-05	3.8675D-05	5.2891D 00
5.9215D 03	3.7819D 03	6.3292D 00	5.2291D 00	6.6296D-01	1.9266D-04	3.1206D-05	3.3447D-05	5.7601D 00

SUBCOOLED SODIUM LIQUID PROPERTIES AT T = 2500.0 K, CV= 0.59052D 01 J/G-K

P (ATM)	H-H (298) (J/G)	CP (J/G-K)	S (J/G-K)	RHO (G/CC)	ALPHA P (1/K)	BETAS (1/ATM)	BETAT (1/ATM)	GAMMA V (ATM/K)
6.9085D 03	3.8608D 03	6.3246D 00	5.2012D 00	6.8380D-01	1.8252D-04	2.7475D-05	2.9426D-05	6.2026D 00
7.8954D 03	3.9408D 03	6.3200D 00	5.1755D 00	7.0280D-01	1.7378D-04	2.4514D-05	2.6237D-05	6.6234D 00
8.8823D 03	4.0217D 03	6.3158D 00	5.1517D 00	7.2029D-01	1.6617D-04	2.2110D-05	2.3648D-05	7.0269D 00
9.8692D 03	4.1031D 03	6.3120D 00	5.1293D 00	7.3649D-01	1.5951D-04	2.0122D-05	2.1509D-05	7.4160D 00
1.1843D 04	4.2669D 03	6.3059D 00	5.0884D 00	7.6579D-01	1.4847D-04	1.7041D-05	1.8198D-05	8.1587D 00
1.3817D 04	4.4313D 03	6.3015D 00	5.0514D 00	7.9181D-01	1.3979D-04	1.4782D-05	1.5774D-05	8.8623D 00
1.5791D 04	4.5954D 03	6.2989D 00	5.0175D 00	8.1531D-01	1.3291D-04	1.3071D-05	1.3942D-05	9.5331D 00
1.7765D 04	4.7587D 03	6.2976D 00	4.9860D 00	8.3684D-01	1.2741D-04	1.1742D-05	1.2523D-05	1.0175D 01
1.9738D 04	4.9210D 03	6.2976D 00	4.9565D 00	8.5679D-01	1.2301D-04	1.0691D-05	1.1401D-05	1.0790D 01
2.1712D 04	5.0820D 03	6.2987D 00	4.9285D 00	8.7549D-01	1.1950D-04	9.8443D-06	1.0500D-05	1.1380D 01
2.3686D 04	5.2414D 03	6.3006D 00	4.9018D 00	8.9315D-01	1.1670D-04	9.1548D-06	9.7679D-06	1.1947D 01
2.5660D 04	5.3991D 03	6.3034D 00	4.8761D 00	9.0998D-01	1.1450D-04	8.5869D-06	9.1659D-06	1.2492D 01
2.7634D 04	5.5551D 03	6.3067D 00	4.8514D 00	9.2613D-01	1.1279D-04	8.1147D-06	8.6664D-06	1.3015D 01

Distribution for ANL-CEN-RSD-82-4Internal:

P. B. Abramson	B. R. T. Frost	B. W. Spencer
D. R. Armstrong	D. W. Green	R. P. Stein
R. Avery	E. E. Gruber	R. R. Stewart
J. E. Cahalan	J. E. Harmon	D. H. Thompson
M. G. Chasanov	T. H. Hughes	J. P. Tylka
T. C. Chawla	J. M. Kramer	D. P. Weber
D. H. Cho	L. Leibowitz	R. W. Weeks
D. J. Dever	L. G. LeSage	H. U. Wider
D. R. Ferguson	E. E. Morris	ANL Patent Dept.
C. L. Fink	R. G. Palm	ANL Contract File
J. K. Fink	W. R. Robinson	ANL Libraries
S. H. Fistedis		TIS Files (2)

External:

DOE-TIC, for distribution per UC-2 (190)
 Manager, Chicago Operations Office, DOE
 R. M. Moser, DOE-CH
 Argonne Universities Association:
 President
 C. B. Alcock, U. Toronto
 R. I. Newman, Fripp Island, S. C.
 R. Acton, Sandia National Labs., Albuquerque
 M. G. Adamson, Vallecitos Nuclear Center, Pleasanton
 H. Alter, Office of Reactor Research and Technology, USDOE (3)
 R. Bari, Brookhaven National Lab.
 J. F. Barnes, Los Alamos National Lab.
 J. Belle, Bettis Atomic Power Lab.
 A. Biancheria, Westinghouse Electric Corp., Madison, Pa.
 C. Brennan, California Inst. Technology
 N. Brown, General Electric Co., Sunnyvale
 W. Camp, Sandia National Labs., Albuquerque
 G. Cano, Sandia National Labs., Albuquerque
 I. Catton, U. California, Los Angeles
 T. Y. Chu, Sandia National Labs., Albuquerque
 M. Corradini, Sandia National Labs., Albuquerque
 C. M. Cox, Hanford Engineering Development Lab.
 S. J. Creamer, CINDAS/Purdue U.
 R. A. Dahlgren, Sandia National Labs., Albuquerque
 G. P. De Vault, Los Alamos National Lab.
 D. T. Eggen, Northwestern U.
 C. A. Erdman, Texas A&M U.
 G. Flanagan, Oak Ridge National Lab.
 L. L. France, Westinghouse Electric Corp., Madison, Pa.
 B. Ganapol, U. Arizona
 J. Gieseke, Battelle-Columbus Lab.
 E. L. Gluekler, General Electric Co., Sunnyvale
 J. Graham, Westinghouse Electric Corp., Madison, Pa.
 P. Greebler, General Electric Co., Sunnyvale
 J. W. Hagen, Hanford Engineering Development Lab.
 J. P. Hale, Hanford Engineering Development Lab.

J. Jackson, Los Alamos National Lab.
W. Y. Kato, Brookhaven National Lab.
C. N. Kelber, Div. of Reactor Safety Research, USNRC
G. I. Kerley, Los Alamos National Lab.
T. S. Kress, Oak Ridge National Lab.
R. Lancet, Atomics International
D. E. Mahagin, Hanford Engineering Development Lab.
M. F. Marchbanks, Hanford Engineering Development Lab.
R. Mason, EG&G Idaho, Inc.
J. Mills, Atomics International
H. A. Morewitz, Atomics International
L. D. Muhlestein, Hanford Engineering Development Lab.
R. Noyes, Combustion Engineering, Windsor
H. Ocken, Electric Power Research Inst., Palo Alto
F. L. Oetting, Rockwell International, Golden, Colo.
D. P. Olander, U. California, Berkeley
W. Pasco, Clinch River Breeder Reactor Plant, Oak Ridge
R. E. Peterson, Hanford Engineering Development Lab.
C. E. Pugh, Oak Ridge National Lab.
A. Reed, Sandia National Labs., Albuquerque
A. B. Reynolds, U. Virginia
J. H. Scott, Los Alamos National Lab.
D. Slagle, Hanford Engineering Development Lab.
G. M. Slaughter, Oak Ridge National Lab.
D. D. Stepnewski, Hanford Engineering Development Lab.
M. G. Stevenson, Los Alamos National Lab.
L. Strawbridge, Westinghouse Electric Corp., Madison, Pa.
D. Switick, General Electric Co., Sunnyvale
M. I. Temme, General Electric Co., Sunnyvale
R. Tilbrook, Westinghouse Electric Corp., Madison, Pa.
N. E. Todreas, Massachusetts Inst. Technology
A. E. Waltar, Hanford Engineering Development Lab.
E. T. Weber, Hanford Engineering Development Lab.