

3.00 ATMOSPHERE ISOBAR

TEMP.	DENSITY	ENTHALPY	INTERNAL ENERGY	ENTROPY
K	MOL/LITER	J/MOL	J/MOL	J/MOL-K
91	34.3301	3148.5	3139.7	56.51
92	34.1703	3195.2	3186.3	57.02
93	34.0089	3242.0	3233.1	57.53
94	33.8458	3289.0	3280.1	58.03
95	33.6811	3336.3	3327.2	58.53
96	33.5147	3383.6	3374.6	59.03
97	33.3466	3431.2	3422.1	59.52
98	33.1768	3478.9	3469.8	60.01
99	33.0053	3526.8	3517.6	60.50
99.156	32.9783	3534.3	3525.1	60.57
99.156	0.397624	9587.3	8822.8	121.62
100	0.393495	9607.3	8834.8	121.82
101	0.388728	9631.0	8849.0	122.06
102	0.384092	9654.6	8863.2	122.29
103	0.379583	9678.2	8877.3	122.52
104	0.375193	9701.6	8891.4	122.74
105	0.370918	9725.0	8905.5	122.97
106	0.366753	9748.3	8919.5	123.19
107	0.362693	9771.6	8933.4	123.41
108	0.358733	9794.7	8947.4	123.62
109	0.354870	9817.9	8961.2	123.84
110	0.351100	9840.9	8975.1	124.05
111	0.347418	9863.9	8988.9	124.25
112	0.343822	9886.8	9002.7	124.46
113	0.340309	9909.7	9016.5	124.66
114	0.336874	9932.6	9030.2	124.87
115	0.333516	9955.3	9043.9	125.06
116	0.330231	9978.1	9057.5	125.26
117	0.327017	10000.7	9071.2	125.46
118	0.323871	10023.4	9084.8	125.65
119	0.320791	10046.0	9098.4	125.84
120	0.317775	10068.5	9111.9	126.03
121	0.314821	10091.0	9125.5	126.21
122	0.311926	10113.5	9139.0	126.40
123	0.309089	10135.9	9152.5	126.58
124	0.306307	10158.3	9165.9	126.76
125	0.303580	10180.7	9179.4	126.94
126	0.300904	10203.0	9192.8	127.12
127	0.298280	10225.3	9206.2	127.30
128	0.295704	10247.5	9219.6	127.47
129	0.293176	10269.8	9232.9	127.64
130	0.290695	10292.0	9246.3	127.82
131	0.288258	10314.1	9259.6	127.99
132	0.285865	10336.3	9272.9	128.15
133	0.283514	10358.4	9286.2	128.32
134	0.281205	10380.4	9299.4	128.49
135	0.278935	10402.5	9312.7	128.65
136	0.276704	10424.5	9325.9	128.81
137	0.274511	10446.5	9339.1	128.97
138	0.272355	10468.5	9352.3	129.13
139	0.270234	10490.4	9365.5	129.29
140	0.268149	10512.3	9378.7	129.45
141	0.266097	10534.2	9391.9	129.61
142	0.264079	10556.1	9405.0	129.76
143	0.262093	10578.0	9418.1	129.91
144	0.260138	10599.8	9431.3	130.07
145	0.258214	10621.6	9444.4	130.22
146	0.256320	10643.4	9457.5	130.37
147	0.254454	10665.2	9470.6	130.52
148	0.252618	10687.0	9483.6	130.66
149	0.250809	10708.7	9496.7	130.81
150	0.249027	10730.4	9509.7	130.95
151	0.247272	10752.1	9522.8	131.10
152	0.245542	10773.8	9535.8	131.24
153	0.243838	10795.5	9548.8	131.38
154	0.242158	10817.1	9561.8	131.52
155	0.240503	10838.8	9574.8	131.66
156	0.238871	10860.4	9587.8	131.80
157	0.237262	10882.0	9600.8	131.94
158	0.235675	10903.6	9613.8	132.08
159	0.234111	10925.2	9626.7	132.22
160	0.232568	10946.8	9639.7	132.35
86	35.1036	2909.6	2918.2	53.91
87	34.9524	2955.2	2963.9	54.44
88	34.7994	3009.7	3009.7	54.96
89	34.6447	3047.0	3055.8	55.48
90	34.4883	3102.1	3093.2	56.00

\* PHASE CHANGE

## 3.00 ATMOSPHERE ISOBAR

TEMP. K	DENSITY MOL/LITER	ENTHALPY J/MOL	INTERNAL ENERGY J/MOL	ENTROPY J/MOL-K	TEMP. K	DENSITY MOL/LITER	ENTHALPY J/MOL	INTERNAL ENERGY J/MOL	ENTROPY J/MOL-K
161	0.231046	10968.3	9652.6	132.48	231	0.159118	12456.1	10545.7	140.16
162	0.229545	10989.9	9665.6	132.62	232	0.158419	12477.2	10558.3	140.25
163	0.228064	11011.4	9678.5	132.75	233	0.157726	12498.2	10570.9	140.34
164	0.226603	11032.9	9691.4	132.88	234	0.157040	12519.3	10583.6	140.43
165	0.225162	11054.4	9704.3	133.01	235	0.156360	12540.3	10596.2	140.52
166	0.223739	11075.9	9717.2	133.14	236	0.155685	12561.4	10608.8	140.61
167	0.222335	11097.4	9730.1	133.27	237	0.155017	12582.4	10621.5	140.70
168	0.220949	11118.8	9743.0	133.40	238	0.154354	12603.5	10634.1	140.79
169	0.219581	11140.3	9755.9	133.53	239	0.153697	12624.5	10646.7	140.88
170	0.218230	11161.7	9768.8	133.65	240	0.153046	12645.6	10659.4	140.97
171	0.216896	11183.2	9781.7	133.78	241	0.152400	12666.6	10672.0	141.06
172	0.215580	11204.6	9794.5	133.90	242	0.151760	12687.7	10684.6	141.14
173	0.214279	11226.0	9807.4	134.03	243	0.151125	12708.7	10697.2	141.23
174	0.212995	11247.4	9820.2	134.15	244	0.150495	12729.7	10709.8	141.32
175	0.211727	11268.8	9833.1	134.27	245	0.149871	12750.8	10722.5	141.40
176	0.210474	11290.2	9845.9	134.40	246	0.149252	12771.8	10735.1	141.49
177	0.209237	11311.6	9858.8	134.52	247	0.148638	12792.8	10747.7	141.57
178	0.208014	11332.9	9871.6	134.64	248	0.148030	12813.8	10760.3	141.66
179	0.206806	11354.3	9884.4	134.76	249	0.147426	12834.9	10772.9	141.74
180	0.205613	11375.6	9897.2	134.88	250	0.146827	12855.9	10785.5	141.83
181	0.204434	11397.0	9910.0	134.99	251	0.146234	12876.9	10798.1	141.91
182	0.203268	11418.3	9922.8	135.11	252	0.145645	12897.9	10810.7	141.99
183	0.202116	11439.6	9935.6	135.23	253	0.145061	12918.9	10823.4	142.08
184	0.200978	11461.0	9948.4	135.35	254	0.144481	12939.9	10836.0	142.16
185	0.199852	11482.3	9961.2	135.46	255	0.143907	12960.9	10848.6	142.24
186	0.198740	11503.6	9974.0	135.58	256	0.143336	12981.9	10861.2	142.32
187	0.197640	11524.9	9986.8	135.69	257	0.142771	13002.9	10873.8	142.41
188	0.196553	11546.1	9999.6	135.80	258	0.142210	13023.9	10886.4	142.49
189	0.195478	11567.4	10012.3	135.92	259	0.141653	13044.9	10899.0	142.57
190	0.194415	11588.7	10025.1	136.03	260	0.141101	13065.9	10911.5	142.65
191	0.193364	11610.0	10037.9	136.14	261	0.140553	13086.9	10924.1	142.73
192	0.192324	11631.2	10050.6	136.25	262	0.140010	13107.9	10936.7	142.81
193	0.191296	11652.5	10063.4	136.36	263	0.139470	13128.9	10949.3	142.89
194	0.190279	11673.7	10076.1	136.47	264	0.138935	13149.9	10961.9	142.97
195	0.189273	11694.9	10088.9	136.58	265	0.138404	13170.8	10974.5	143.05
196	0.188278	11716.2	10101.6	136.69	266	0.137877	13191.8	10987.1	143.13
197	0.187294	11737.4	10114.4	136.80	267	0.137354	13212.8	10999.7	143.21
198	0.186320	11758.6	10127.1	136.90	268	0.136835	13233.8	11012.3	143.29
199	0.185356	11779.8	10139.8	137.01	269	0.136320	13254.8	11024.9	143.36
200	0.184403	11801.0	10152.6	137.12	270	0.135809	13275.7	11037.4	143.44
201	0.183460	11822.2	10165.3	137.22	271	0.135302	13296.7	11050.0	143.52
202	0.182526	11843.4	10178.0	137.33	272	0.134799	13317.7	11062.6	143.60
203	0.181602	11864.6	10190.7	137.43	273	0.134299	13338.7	11075.2	143.67
204	0.180688	11885.8	10203.4	137.54	274	0.133803	13359.6	11087.8	143.75
205	0.179783	11907.0	10216.2	137.64	275	0.133311	13380.6	11100.3	143.83
206	0.178887	11928.2	10228.9	137.74	276	0.132823	13401.5	11112.9	143.90
207	0.178000	11949.3	10241.6	137.85	277	0.132338	13422.5	11125.5	143.98
208	0.177123	11970.5	10254.3	137.95	278	0.131856	13443.5	11138.1	144.05
209	0.176254	11991.7	10267.0	138.05	279	0.131379	13464.4	11150.6	144.13
210	0.175393	12012.8	10279.7	138.15	280	0.130904	13485.4	11163.2	144.20
211	0.174542	12034.0	10292.4	138.25	281	0.130433	13506.3	11175.8	144.28
212	0.173698	12055.1	10305.0	138.35	282	0.129966	13527.3	11188.4	144.35
213	0.172863	12076.2	10317.7	138.45	283	0.129502	13548.3	11200.9	144.43
214	0.172036	12097.4	10330.4	138.55	284	0.129041	13569.2	11213.5	144.50
215	0.171217	12118.5	10343.1	138.65	285	0.128583	13590.2	11226.1	144.57
216	0.170406	12139.6	10355.8	138.75	286	0.128129	13611.1	11238.6	144.65
217	0.169603	12160.8	10368.5	138.84	287	0.127678	13632.0	11251.2	144.72
218	0.168808	12181.9	10381.1	138.94	288	0.127230	13653.0	11263.8	144.79
219	0.168020	12203.0	10393.8	139.04	289	0.126786	13673.9	11276.3	144.87
220	0.167240	12224.1	10406.5	139.13	290	0.126344	13694.9	11288.9	144.94
221	0.166466	12245.2	10419.1	139.23	291	0.125906	13715.8	11301.5	145.01
222	0.165701	12266.3	10431.8	139.32	292	0.125470	13736.8	11314.0	145.08
223	0.164942	12287.4	10444.5	139.42	293	0.125038	13757.7	11326.6	145.15
224	0.164190	12308.5	10457.1	139.51	294	0.124609	13778.6	11339.1	145.23
225	0.163446	12329.6	10469.8	139.61	295	0.124182	13799.6	11351.7	145.30
226	0.162708	12350.7	10482.4	139.70	296	0.123759	13820.5	11364.3	145.37
227	0.161977	12371.8	10495.1	139.79	297	0.123338	13841.4	11376.8	145.44
228	0.161252	12392.9	10507.7	139.89	298	0.122921	13862.4	11389.4	145.51
229	0.160534	12413.9	10520.4	139.98	299	0.122506	13883.3	11401.9	145.58
230	0.159823	12435.0	10533.0	140.07	300	0.122094	13904.2	11414.5	145.65