8.00 ATMOSPHERE ISOBAR

TEMP. K	DENSITY MOL/LITER	ENTHALPY J/MOL	INTERNAL ENERGY J/MOL	ENTROPY J/MOL-K
86	35.1417	2927.3	2904.3	53.85
87	34.9913	2972.9	2949.7	54.38
88	34.8392	3018.6	2995.4	54.90
89	34.6854	3064.6	3041.2	55.42
90	34.5299	3110.7	3087.3	55.93
91	34.3727	3157.1	3133.5	56.45
92	34.2140	3203.6	3179.9	56.96
93	34.0536	3250.3	3226.5	57.46
94	33.8917	3297.2	3273.3	57.96
95	33.7282	3344.3	3320.3	58.46
96	33.5630	3391.5	3367.4	58.95
97	33.3962	3439.0	3414.7	59.45
98	33.2278	3486.5	3462.1	59.93
99	33.0577	3534.3	3509.7	60.42
100	32.8858	3582.2	3557.5	60.90
101	32.7122	3630.2	3605.4	61.38
102	32.5368	3678.4	3653.5	61.85
103	32.3594	3726.8	3701.7	62.33
104	32.1801	3775.3	3750.1	62.79
105	31.9987	3824.0	3798.7	63.26
106	31.8152	3872.9	3847.4	63.72
107	31.6295	3921.9	3896.3	64.18
108	31.4414	3971.1	3945.3	64.64
109	31.2508	4020.5	3994.6	65.10
110	31.0576	4070.1	4044.0	65.55
111	30.8617	4119.9	4093.7	66.00
112	30.6628	4170.0	4143.5	66.45
113	30.4607	4220.3	4193.7	66.90
* 113.050	30.4505	4222.8	4196.2	66.92
* 113.050	1.00819	9655.1	8851.1	114.97
114	0.995068	9682.2	8867.5	115.21
115	0.981740	9710.4	8884.7	115.46
116	0.968883	9738.3	8901.6	115.70
117	0.956467	9765.9	8918.4	115.93
118	0.944464	9793.3	8935.0	116.17
119	0.932850	9820.5	8951.5	116.40
120	0.921602	9847.5	8967.9	116.62
121	0.910699	9874.2	8984.1	116.84
122	0.900122	9900.8	9000.2	117.06
123	0.889854	9927.1	9016.2	117.28
124	0.879879	9953.3	9032.1	117.49
125	0.870183	9979.4	9047.8	117.70
126	0.860750	10005.2	9063.5	117.91
127	0.851569	10031.0	9079.1	118.11
128	0.842629	10056.6	9094.5	118.31
129	0.833917	10082.0	9109.9	118.51
130	0.825423	10107.3	9125.3	118.70
131	0.817139	10132.5	9140.5	118.90
132	0.809054	10157.6	9155.7	119.09
133	0.801162	10182.6	9170.7	119.28
134	0.793453	10207.4	9185.8	119.46
135	0.785920	10232.1	9200.7	119.65
136	0.778557	10256.8	9215.6	119.83
137	0.771356	10281.3	9230.4	120.01
138	0.764313	10305.8	9245.2	120.19
139	0.757420	10330.2	9259.9	120.36
140	0.750672	10354.4	9274.6	120.54
141	0.744064	10378.6	9289.2	120.71
142	0.737592	10402.7	9303.7	120.88
143	0.731250	10426.8	9318.2	121.05
144	0.725033	10450.7	9332.7	121.21
145	0.718939	10474.6	9347.1	121.38
146	0.712962	10498.5	9361.5	121.54
147	0.707098	10522.2	9375.8	121.70
148	0.701345	10545.9	9390.1	121.87
149	0.695699	10569.5	9404.3	122.02
150	0.690155	10593.1	9418.5	122.18
151	0.684712	10616.6	9432.7	122.34
152	0.679366	10640.0	9446.8	122.49
153	0.674114	10663.4	9460.9	122.65
154	0.668954	10686.8	9475.0	122.80
155	0.663883	10710.1	9489.0	122.95
156	0.658897	10733.3	9503.0	123.10
157	0.653996	10756.5	9517.0	123.25
158	0.649175	10779.6	9530.9	123.39
159	0.644434	10802.7	9544.8	123.54
160	0.639770	10825.8	9558.7	123.68

* PHASE CHANGE

8.00 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	0.635181	10848.8	9572.6	123.83	231	0.428112	12395.4	10501.9	131.82
162	0.630665	10871.7	9586.4	123.97	232	0.426173	12417.0	10514.9	131.91
163	0.626220	10894.7	9600.2	124.11	233	0.424251	12438.5	10527.8	132.00
164	0.621845	10917.6	9614.0	124.25	234	0.422348	12460.0	10540.7	132.10
165	0.617536	10940.4	9627.7	124.39	235	0.420462	12481.6	10553.6	132.19
166	0.613294	10963.2	9641.5	124.53	236	0.418594	12503.1	10566.5	132.28
167	0.609115	10986.0	9655.2	124.66	237	0.416743	12524.6	10579.5	132.37
168	0.604999	11008.7	9668.8	124.80	238	0.414909	12546.1	10592.4	132.46
169	0.600944	11031.4	9682.5	124.93	239	0.413092	12567.6	10605.3	132.55
170	0.596949	11054.1	9696.1	125.07	240	0.411291	12589.1	10618.1	132.64
171	0.593011	11076.7	9709.7	125.20	241	0.409506	12610.5	10631.0	132.73
172	0.589130	11099.3	9723.3	125.33	242	0.407738	12632.0	10643.9	132.82
173	0.585305	11121.9	9736.9	125.46	243	0.405985	12653.5	10656.8	132.91
174	0.581533	11144.4	9750.5	125.59	244	0.404248	12674.9	10669.7	133.00
175	0.577815	11166.9	9764.0	125.72	245	0.402526	12696.4	10682.5	133.08
176	0.574148	11189.4	9777.5	125.85	246	0.400820	12717.8	10695.4	133.17
177	0.570531	11211.9	9791.0	125.98	247	0.399128	12739.2	10708.3	133.26
178	0.566964	11234.3	9804.5	126.10	248	0.397451	12760.7	10721.1	133.34
179	0.563445	11256.7	9818.0	126.23	249	0.395789	12782.1	10734.0	133.43
180	0.559973	11279.0	9831.4	126.35	250	0.394140	12803.5	10746.8	133.52
181	0.556547	11301.4	9844.9	126.48	251	0.392507	12824.9	10759.7	133.60
182	0.553166	11323.7	9858.3	126.60	252	0.390887	12846.3	10772.5	133.69
183	0.549830	11346.0	9871.7	126.72	253	0.389280	12867.7	10785.3	133.77
184	0.546537	11368.3	9885.1	126.84	254	0.387688	12889.1	10798.2	133.86
185	0.543286	11390.5	9898.4	126.96	255	0.386109	12910.5	10811.0	133.94
186	0.540077	11412.7	9911.8	127.08	256	0.384543	12931.8	10823.8	134.02
187	0.536908	11434.9	9925.1	127.20	257	0.382990	12953.2	10836.6	134.11
188	0.533780	11457.1	9938.5	127.32	258	0.381450	12974.6	10849.5	134.19
189	0.530690	11479.3	9951.8	127.44	259	0.379923	12995.9	10862.3	134.27
190	0.527638	11501.4	9965.1	127.56	260	0.378408	13017.3	10875.1	134.35
191	0.524624	11523.5	9978.4	127.67	261	0.376906	13038.6	10887.9	134.44
192	0.521646	11545.6	9991.7	127.79	262	0.375416	13059.9	10900.7	134.52
193	0.518705	11567.7	10004.9	127.90	263	0.373938	13081.3	10913.5	134.60
194	0.515799	11589.8	10018.2	128.02	264	0.372472	13102.6	10926.3	134.68
195	0.512927	11611.8	10031.4	128.13	265	0.371018	13123.9	10939.1	134.76
196	0.510090	11633.8	10044.6	128.24	266	0.369576	13145.2	10951.9	134.84
197	0.507286	11655.8	10057.9	128.35	267	0.368145	13166.5	10964.6	134.92
198	0.504514	11677.8	10071.1	128.47	268	0.366725	13187.9	10977.4	135.00
199	0.501775	11699.8	10084.3	128.58	269	0.365317	13209.2	10990.2	135.08
200	0.499067	11721.7	10097.4	128.69	270	0.363919	13230.4	11003.0	135.16
201	0.496390	11743.7	10110.6	128.80	271	0.362533	13251.7	11015.7	135.24
202	0.493744	11765.6	10123.8	128.90	272	0.361158	13273.0	11028.5	135.32
203	0.491127	11787.5	10136.9	129.01	273	0.359793	13294.3	11041.3	135.39
204	0.488539	11809.4	10150.1	129.12	274	0.358439	13315.6	11054.0	135.47
205	0.485981	11831.2	10163.2	129.23	275	0.357095	13336.8	11066.8	135.55
206	0.483450	11853.1	10176.3	129.33	276	0.355761	13358.1	11079.6	135.63
207	0.480947	11874.9	10189.5	129.44	277	0.354438	13379.4	11092.3	135.70
208	0.478472	11896.8	10202.6	129.54	278	0.353125	13400.6	11105.1	135.78
209	0.476024	11918.6	10215.7	129.65	279	0.351822	13421.9	11117.8	135.86
210	0.473601	11940.4	10228.8	129.75	280	0.350528	13443.1	11130.6	135.93
211	0.471205	11962.2	10241.8	129.86	281	0.349245	13464.4	11143.3	136.01
212	0.468834	11983.9	10254.9	129.96	282	0.347971	13485.6	11156.0	136.08
213	0.466488	12005.7	10268.0	130.06	283	0.346706	13506.8	11168.8	136.16
214	0.464167	12027.4	10281.0	130.16	284	0.345451	13528.1	11181.5	136.23
215	0.461870	12049.2	10294.1	130.27	285	0.344205	13549.3	11194.2	136.31
216	0.459597	12070.9	10307.1	130.37	286	0.342968	13570.5	11207.0	136.38
217	0.457347	12092.6	10320.2	130.47	287	0.341741	13591.7	11219.7	136.46
218	0.455120	12114.3	10333.2	130.57	288	0.340522	13613.0	11232.4	136.53
219	0.452916	12136.0	10346.2	130.67	289	0.339312	13634.2	11245.2	136.60
220	0.450735	12157.7	10359.2	130.76	290	0.338111	13655.4	11257.9	136.68
221	0.448575	12179.3	10372.2	130.86	291	0.336919	13676.6	11270.6	136.75
222	0.446437	12201.0	10385.2	130.96	292	0.335735	13697.8	11283.3	136.82
223	0.444320	12222.6	10398.2	131.06	293	0.334560	13719.0	11296.0	136.90
224	0.442224	12244.3	10411.2	131.15	294	0.333393	13740.2	11308.7	136.97
225	0.440149	12265.9	10424.2	131.25	295	0.332235	13761.4	11321.4	137.04
226	0.438094	12287.5	10437.2	131.35	296	0.331084	13782.5	11334.2	137.11
227	0.436059	12309.1	10450.1	131.44	297	0.329942	13803.7	11346.9	137.18
228	0.434043	12330.7	10463.1	131.54	298	0.328808	13824.9	11359.6	137.25
229	0.432047	12352.3	10476.0	131.63	299	0.327682	13846.1	11372.3	137.33
230	0.430070	12373.8	10489.0	131.73	300	0.326563	13867.2	11385.0	137.40