35.00 ATMOSPHERE ISOBAR

TEMP. K	DENSITY MOL/LITER	ENTHALPY J/MOL	INTERNAL ENERGY J/MOL	ENTROPY J/MOL-K
86	35.3409	2977.1	2876.7	53.53
87	35.1948	3022.0	2921.3	54.05
88	35.0470	3067.2	2966.0	54.56
89	34.8977	3112.6	3011.0	55.07
90	34.7470	3158.2	3056.1	55.58
91	34.5949	3203.9	3101.4	56.09
92	34.4413	3249.8	3146.8	56.59
93	34.2864	3295.9	3192.5	57.09
94	34.1301	3342.1	3238.2	57.58
95	33.9724	3388.5	3284.2	58.08
96	33.8135	3435.1	3330.2	58.56
97	33.6531	3481.8	3376.4	59.05
98	33.4914	3528.6	3422.7	59.53
99	33.3284	3575.6	3469.2	60.00
100	33.1639	3622.7	3515.7	60.48
101	32.9980	3669.9	3562.4	60.95
102	32.8307	3717.2	3609.2	61.41
103	32.6619	3764.6	3656.0	61.88
104	32.4915	3812.1	3703.0	62.33
105	32.3196	3859.8	3750.1	62.79
106	32.1460	3907.6	3797.2	63.24
107	31.9707	3955.4	3844.5	63.69
108	31.7936	4003.4	3891.9	64.14
109	31.6147	4051.5	3939.3	64.58
110	31.4339	4099.7	3986.9	65.02
111	31.2510	4148.1	4034.6	65.46
112	31.0660	4196.6	4082.4	65.90
113	30.8788	4245.2	4130.3	66.33
114	30.6893	4294.0	4178.4	66.76
115	30.4972	4342.9	4226.6	67.18
116	30.3026	4392.1	4275.1	67.61
117	30.1052	4441.5	4323.7	68.03
118	29.9049	4491.1	4372.5	68.46
119	29.7014	4541.0	4421.6	68.88
120	29.4946	4591.1	4470.9	69.30
121	29.2842	4641.6	4520.5	69.72
122	29.0701	4692.5	4570.5	70.14
123	28.8518	4743.9	4620.9	70.55
124	28.6292	4795.6	4671.8	70.97
125	28.4018	4848.0	4723.1	71.39
126	28.1692	4900.9	4775.0	71.82
127	27.9311	4954.5	4827.5	72.24
128	27.6868	5008.9	4880.8	72.67
129	27.4359	5064.2	4934.9	73.10
130	27.1775	5120.4	4989.9	73.53
131	26.9110	5177.8	5046.0	73.97
132	26.6353	5236.4	5103.3	74.42
133	26.3494	5296.6	5162.0	74.87
134	26.0519	5358.4	5222.3	75.33
135	25.7411	5422.2	5284.4	75.81
136	25.4149	5487.8	5348.2	76.29
137	25.0707	5555.7	5414.2	76.79
138	24.7051	5626.5	5482.9	77.30
139	24.3133	5700.6	5554.8	77.84
140	23.8889	5779.0	5630.6	78.40
141	23.4222	5862.9	5711.5	79.00
142	22.8981	5954.5	5799.6	79.65
* 142.688	22.4910	6023.6	5866.0	80.13
* 142.688	5.29148	9041.6	8371.3	101.28
143	5.21281	9072.9	8392.6	101.50
144	4.99499	9163.6	8453.6	102.13
145	4.81481	9243.4	8506.8	102.69
146	4.66066	9315.5	8554.5	103.18
147	4.52569	9381.8	8598.2	103.64
148	4.40553	9443.6	8638.6	104.05
149	4.29718	9501.8	8676.5	104.45
150	4.19849	9557.0	8712.3	104.82
151	4.10785	9609.6	8746.2	105.17
152	4.02404	9660.0	8778.7	105.50
153	3.94611	9708.5	8809.8	105.82
154	3.87328	9755.3	8839.7	106.12
155	3.80493	9800.7	8868.6	106.41
156	3.74055	9844.7	8896.6	106.70
157	3.67971	9887.6	8923.8	106.97
158	3.62204	9929.4	8950.2	107.24
159	3.56724	9970.1	8976.0	107.49
160	3.51504	10010.1	9001.1	107.74

* PHASE CHANGE

35.00 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	3.46522	10049.1	9025.7	107.99	231	1.96694	12058.0	10255.0	118.48
162	3.41757	10087.5	9049.7	108.23	232	1.95638	12082.5	10269.8	118.59
163	3.37192	10125.1	9073.3	108.46	233	1.94595	12107.0	10284.5	118.69
164	3.32812	10162.1	9096.5	108.68	234	1.93566	12131.5	10299.3	118.80
165	3.28601	10198.4	9119.2	108.90	235	1.92548	12155.8	10314.0	118.90
166	3.24550	10234.3	9141.5	109.12	236	1.91544	12180.2	10328.7	119.00
167	3.20645	10269.5	9163.5	109.33	237	1.90551	12204.5	10343.3	119.11
168	3.16878	10304.3	9185.1	109.54	238	1.89571	12228.7	10357.9	119.21
169	3.13240	10338.7	9206.5	109.74	239	1.88602	12252.9	10372.5	119.31
170	3.09722	10372.6	9227.5	109.94	240	1.87644	12277.1	10387.1	119.41
171	3.06317	10406.0	9248.3	110.14	241	1.86698	12301.2	10401.6	119.51
172	3.03019	10439.1	9268.8	110.33	242	1.85762	12325.3	10416.1	119.61
173	2.99822	10471.9	9289.0	110.52	243	1.84838	12349.3	10430.6	119.71
174	2.96719	10504.2	9309.0	110.71	244	1.83924	12373.3	10445.0	119.81
175	2.93706	10536.3	9328.8	110.89	245	1.83020	12397.2	10459.5	119.91
176	2.90779	10568.0	9348.4	111.07	246	1.82127	12421.1	10473.9	120.00
177	2.87931	10599.4	9367.7	111.25	247	1.81243	12445.0	10488.2	120.10
178	2.85161	10630.6	9386.9	111.43	248	1.80370	12468.8	10502.6	120.20
179	2.82463	10661.4	9405.9	111.60	249	1.79506	12492.6	10516.9	120.29
180	2.79835	10692.1	9424.7	111.77	250	1.78651	12516.4	10531.2	120.39
181	2.77274	10722.4	9443.4	111.94	251	1.77806	12540.1	10545.5	120.48
182	2.74775	10752.5	9461.9	112.11	252	1.76969	12563.7	10559.7	120.58
183	2.72337	10782.4	9480.2	112.27	253	1.76142	12587.4	10574.0	120.67
184	2.69956	10812.1	9498.4	112.43	254	1.75323	12611.0	10588.2	120.76
185	2.67631	10841.6	9516.5	112.59	255	1.74513	12634.6	10602.4	120.86
186	2.65359	10870.9	9534.4	112.75	256	1.73712	12658.1	10616.6	120.95
187	2.63138	10899.9	9552.2	112.90	257	1.72918	12681.6	10630.7	121.04
188	2.60966	10928.8	9569.8	113.06	258	1.72133	12705.1	10644.8	121.13
189	2.58840	10957.5	9587.4	113.21	259	1.71356	12728.6	10658.9	121.22
190	2.56760	10986.0	9604.8	113.36	260	1.70587	12752.0	10673.0	121.31
191	2.54723	11014.4	9622.1	113.51	261	1.69826	12775.4	10687.1	121.40
192	2.52727	11042.6	9639.3	113.66	262	1.69072	12798.7	10701.1	121.49
193	2.50772	11070.7	9656.5	113.80	263	1.68326	12822.1	10715.2	121.58
194	2.48856	11098.6	9673.5	113.95	264	1.67587	12845.4	10729.2	121.67
195	2.46978	11126.3	9690.4	114.09	265	1.66855	12868.6	10743.2	121.76
196	2.45135	11154.0	9707.2	114.23	266	1.66131	12891.9	10757.2	121.85
197	2.43328	11181.4	9724.0	114.37	267	1.65413	12915.1	10771.1	121.93
198	2.41554	11208.8	9740.6	114.51	268	1.64703	12938.3	10785.1	122.02
199	2.39813	11236.0	9757.2	114.65	269	1.63999	12961.5	10799.0	122.11
200	2.38103	11263.1	9773.7	114.78	270	1.63302	12984.6	10812.9	122.19
201	2.36424	11290.1	9790.1	114.92	271	1.62611	13007.7	10826.8	122.28
202	2.34775	11317.0	9806.4	115.05	272	1.61928	13030.8	10840.7	122.36
203	2.33154	11343.7	9822.6	115.18	273	1.61250	13053.9	10854.5	122.45
204	2.31561	11370.4	9838.8	115.31	274	1.60579	13076.9	10868.4	122.53
205	2.29995	11396.9	9854.9	115.44	275	1.59914	13099.9	10882.2	122.61
206	2.28455	11423.4	9871.0	115.57	276	1.59255	13122.9	10896.0	122.70
207	2.26941	11449.7	9887.0	115.70	277	1.58602	13145.9	10909.8	122.78
208	2.25452	11475.9	9902.9	115.83	278	1.57954	13168.8	10923.6	122.86
209	2.23986	11502.1	9918.8	115.95	279	1.57313	13191.8	10937.4	122.95
210	2.22544	11528.2	9934.6	116.08	280	1.56678	13214.7	10951.1	123.03
211	2.21124	11554.1	9950.3	116.20	281	1.56048	13237.6	10964.9	123.11
212	2.19727	11580.0	9966.0	116.32	282	1.55424	13260.4	10978.6	123.19
213	2.18351	11605.8	9981.6	116.44	283	1.54805	13283.3	10992.3	123.27
214	2.16996	11631.5	9997.2	116.56	284	1.54191	13306.1	11006.0	123.35
215	2.15661	11657.2	10012.7	116.68	285	1.53583	13328.9	11019.7	123.43
216	2.14346	11682.7	10028.2	116.80	286	1.52981	13351.7	11033.4	123.51
217	2.13050	11708.2	10043.6	116.92	287	1.52383	13374.4	11047.1	123.59
218	2.11773	11733.6	10059.0	117.04	288	1.51791	13397.2	11060.7	123.67
219	2.10515	11759.0	10074.3	117.15	289	1.51203	13419.9	11074.4	123.75
220	2.09274	11784.2	10089.6	117.27	290	1.50621	13442.6	11088.0	123.83
221	2.08051	11809.4	10104.8	117.38	291	1.50043	13465.3	11101.6	123.91
222	2.06845	11834.6	10120.0	117.50	292	1.49471	13487.9	11115.2	123.98
223	2.05656	11859.6	10135.2	117.61	293	1.48903	13510.6	11128.8	124.06
224	2.04482	11884.6	10150.3	117.72	294	1.48340	13533.2	11142.4	124.14
225	2.03325	11909.6	10165.3	117.83	295	1.47781	13555.8	11156.0	124.21
226	2.02183	11934.5	10180.4	117.94	296	1.47227	13578.4	11169.6	124.29
227	2.01056	11959.3	10195.4	118.05	297	1.46678	13601.0	11183.1	124.37
228	1.99944	11984.0	10210.3	118.16	298	1.46133	13623.5	11196.7	124.44
229	1.98847	12008.7	10225.2	118.27	299	1.45592	13646.1	11210.2	124.52
230	1.97764	12033.4	10240.1	118.37	300	1.45056	13668.6	11223.7	124.59