40.00 ATMOSPHERE ISOBAR

TEMP. K	DENSITY MOL/LITER	ENTHALPY J/MOL	INTERNAL ENERGY J/MOL	ENTROPY J/MOL-K
86	35.3767	2986.3	2871.8	53.47
87	35.2313	3031.2	2916.2	53.99
88	35.0843	3076.3	2960.8	54.50
89	34.9358	3121.6	3005.6	55.01
90	34.7859	3167.0	3050.5	55.52
91	34.6346	3212.7	3095.6	56.02
92	34.4819	3258.5	3140.9	56.53
93	34.3279	3304.5	3186.4	57.02
94	34.1726	3350.6	3232.0	57.52
95	34.0160	3396.9	3277.7	58.01
96	33.8581	3443.3	3323.6	58.49
97	33.6988	3489.9	3369.6	58.97
98	33.5383	3536.6	3415.7	59.45
99	33.3764	3583.4	3462.0	59.93
100	33.2132	3630.4	3508.3	60.40
101	33.0486	3677.4	3554.8	60.87
102	32.8826	3724.6	3601.3	61.33
103	32.7152	3771.9	3648.0	61.80
104	32.5463	3819.2	3694.7	62.25
105	32.3759	3866.7	3741.5	62.71
106	32.2040	3914.3	3788.4	63.16
107	32.0304	3962.0	3835.4	63.61
108	31.8551	4009.8	3882.5	64.05
109	31.6781	4057.7	3929.7	64.49
110	31.4992	4105.7	3977.0	64.93
111	31.3185	4153.8	4024.3	65.37
112	31.1357	4202.0	4071.8	65.80
113	30.9508	4250.4	4119.4	66.23
114	30.7637	4298.9	4167.1	66.66
115	30.5743	4347.5	4215.0	67.08
116	30.3825	4396.4	4263.0	67.50
117	30.1880	4445.4	4311.1	67.92
118	29.9908	4494.6	4359.5	68.34
119	29.7907	4544.1	4408.1	68.76
120	29.5876	4593.9	4456.9	69.18
121	29.3811	4643.9	4506.0	69.59
122	29.1711	4694.3	4555.4	70.01
123	28.9573	4745.1	4605.1	70.42
124	28.7395	4796.3	4655.3	70.84
125	28.5174	4848.0	4705.9	71.25
126	28.2906	4900.2	4757.0	71.67
127	28.0588	4953.1	4808.6	72.09
128	27.8214	5006.6	4860.9	72.51
129	27.5781	5060.9	4914.0	72.93
130	27.3283	5116.1	4967.8	73.35
131	27.0712	5172.3	5022.6	73.79
132	26.8062	5229.7	5078.5	74.22
133	26.5323	5288.3	5135.5	74.66
134	26.2486	5348.4	5194.0	75.11
135	25.9537	5410.1	5254.0	75.57
136	25.6462	5473.4	5315.3	76.04
137	25.3241	5538.5	5378.4	76.52
138	24.9850	5605.8	5443.6	77.01
139	24.6260	5675.7	5511.1	77.51
140	24.2429	5748.8	5581.6	78.04
141	23.8302	5825.7	5655.6	78.58
142	23.3802	5907.5	5734.2	79.16
143	22.8810	5996.1	5818.9	79.78
144	22.3133	6093.9	5912.3	80.47
145	21.6419	6205.9	6018.7	81.24
* 145.995	20.7934	6342.1	6147.1	82.18
* 145.995	6.66045	8779.4	8170.9	98.88
146	6.65771	8780.3	8171.5	98.88
147	6.20612	8927.8	8274.8	99.89
148	5.88603	9042.0	8353.4	100.66
149	5.63506	9138.2	8418.9	101.31
150	5.42759	9222.6	8475.9	101.88
151	5.25032	9298.8	8526.9	102.38
152	5.09535	9368.8	8573.4	102.84
153	4.95759	9433.9	8616.4	103.27
154	4.83356	9495.1	8656.5	103.67
155	4.72074	9553.0	8694.4	104.04
156	4.61727	9608.1	8730.3	104.40
157	4.52172	9660.8	8764.5	104.74
158	4.43296	9711.5	8797.2	105.06
159	4.35011	9760.4	8828.7	105.37
160	4.27243	9807.7	8859.0	105.66

* PHASE CHANGE

40.00 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	4.19933	9853.5	8888.4	105.95	231	2.26854	11993.9	10207.2	117.17
162	4.13031	9898.1	8916.8	106.22	232	2.25597	12019.0	10222.4	117.28
163	4.06495	9941.5	8944.4	106.49	233	2.24357	12044.1	10237.6	117.38
164	4.00289	9983.9	8971.3	106.75	234	2.23133	12069.2	10252.7	117.49
165	3.94381	10025.3	8997.5	107.00	235	2.21925	12094.2	10267.8	117.60
166	3.88747	10065.8	9023.2	107.25	236	2.20732	12119.1	10282.9	117.70
167	3.83362	10105.5	9048.2	107.48	237	2.19555	12144.0	10297.9	117.81
168	3.78205	10144.4	9072.7	107.72	238	2.18392	12168.8	10312.9	117.91
169	3.73260	10182.6	9096.8	107.94	239	2.17244	12193.5	10327.8	118.02
170	3.68510	10220.2	9120.4	108.17	240	2.16110	12218.2	10342.7	118.12
171	3.63941	10257.2	9143.5	108.38	241	2.14990	12242.9	10357.6	118.22
172	3.59541	10293.6	9166.3	108.59	242	2.13883	12267.5	10372.5	118.32
173	3.55297	10329.5	9188.7	108.80	243	2.12790	12292.0	10387.3	118.42
174	3.51200	10364.9	9210.8	109.01	244	2.11710	12316.5	10402.1	118.53
175	3.47241	10399.8	9232.6	109.21	245	2.10642	12341.0	10416.8	118.63
176	3.43411	10434.3	9254.0	109.40	246	2.09587	12365.4	10431.5	118.72
177	3.39702	10468.3	9275.2	109.60	247	2.08545	12389.7	10446.2	118.82
178	3.36107	10502.0	9296.1	109.79	248	2.07514	12414.1	10460.9	118.92
179	3.32620	10535.3	9316.7	109.97	249	2.06495	12438.3	10475.5	119.02
180	3.29236	10568.2	9337.1	110.16	250	2.05488	12462.5	10490.1	119.12
181	3.25948	10600.8	9357.3	110.34	251	2.04492	12486.7	10504.7	119.21
182	3.22751	10633.0	9377.2	110.51	252	2.03507	12510.9	10519.2	119.31
183	3.19642	10665.0	9397.0	110.69	253	2.02533	12535.0	10533.8	119.40
184	3.16615	10696.7	9416.5	110.86	254	2.01570	12559.0	10548.3	119.50
185	3.13667	10728.0	9435.9	111.03	255	2.00617	12583.0	10562.7	119.59
186	3.10794	10759.2	9455.1	111.20	256	1.99675	12607.0	10577.2	119.69
187	3.07993	10790.0	9474.1	111.37	257	1.98743	12631.0	10591.6	119.78
188	3.05260	10820.6	9492.9	111.53	258	1.97821	12654.9	10606.0	119.87
189	3.02592	10851.0	9511.6	111.69	259	1.96908	12678.7	10620.4	119.97
190	2.99987	10881.2	9530.1	111.85	260	1.96005	12702.6	10634.7	120.06
191	2.97442	10911.1	9548.5	112.01	261	1.95112	12726.4	10649.0	120.15
192	2.94955	10940.9	9566.7	112.16	262	1.94228	12750.1	10663.3	120.24
193	2.92522	10970.4	9584.8	112.31	263	1.93353	12773.8	10677.6	120.33
194	2.90143	10999.7	9602.8	112.47	264	1.92487	12797.5	10691.9	120.42
195	2.87815	11028.9	9620.7	112.62	265	1.91629	12821.2	10706.1	120.51
196	2.85535	11057.9	9638.4	112.76	266	1.90781	12844.8	10720.3	120.60
197	2.83303	11086.7	9656.0	112.91	267	1.89941	12868.4	10734.5	120.69
198	2.81116	11115.3	9673.5	113.06	268	1.89109	12892.0	10748.7	120.78
199	2.78972	11143.8	9690.9	113.20	269	1.88285	12915.5	10762.9	120.86
200	2.76871	11172.1	9708.2	113.34	270	1.87470	12939.0	10777.0	120.95
201	2.74811	11200.3	9725.4	113.48	271	1.86662	12962.5	10791.1	121.04
202	2.72790	11228.3	9742.5	113.62	272	1.85863	12985.9	10805.2	121.12
203	2.70807	11256.2	9759.5	113.76	273	1.85071	13009.3	10819.3	121.21
204	2.68861	11284.0	9776.4	113.90	274	1.84286	13032.7	10833.4	121.30
205	2.66951	11311.6	9793.3	114.03	275	1.83509	13056.1	10847.4	121.38
206	2.65074	11339.1	9810.0	114.16	276	1.82740	13079.4	10861.5	121.46
207	2.63232	11366.4	9826.7	114.30	277	1.81978	13102.7	10875.5	121.55
208	2.61421	11393.7	9843.3	114.43	278	1.81222	13126.0	10889.5	121.63
209	2.59642	11420.8	9859.8	114.56	279	1.80474	13149.2	10903.4	121.72
210	2.57893	11447.8	9876.2	114.69	280	1.79733	13172.5	10917.4	121.80
211	2.56173	11474.7	9892.6	114.81	281	1.78998	13195.7	10931.3	121.88
212	2.54482	11501.5	9908.8	114.94	282	1.78270	13218.8	10945.3	121.96
213	2.52819	11528.2	9925.1	115.07	283	1.77549	13242.0	10959.2	122.05
214	2.51182	11554.8	9941.2	115.19	284	1.76834	13265.1	10973.1	122.13
215	2.49572	11581.3	9957.3	115.32	285	1.76126	13288.2	10987.0	122.21
216	2.47988	11607.7	9973.3	115.44	286	1.75424	13311.3	11000.8	122.29
217	2.46428	11634.0	9989.3	115.56	287	1.74728	13334.4	11014.7	122.37
218	2.44892	11660.3	10005.2	115.68	288	1.74038	13357.4	11028.5	122.45
219	2.43379	11686.4	10021.0	115.80	289	1.73354	13380.4	11042.4	122.53
220	2.41890	11712.4	10036.8	115.92	290	1.72677	13403.4	11056.2	122.61
221	2.40422	11738.4	10052.6	116.04	291	1.72005	13426.4	11070.0	122.69
222	2.38977	11764.3	10068.3	116.15	292	1.71338	13449.3	11083.7	122.77
223	2.37552	11790.1	10083.9	116.27	293	1.70678	13472.2	11097.5	122.85
224	2.36148	11815.8	10099.5	116.38	294	1.70023	13495.1	11111.3	122.92
225	2.34764	11841.5	10115.0	116.50	295	1.69374	13518.0	11125.0	123.00
226	2.33399	11867.0	10130.5	116.61	296	1.68730	13540.9	11138.8	123.08
227	2.32054	11892.5	10145.9	116.72	297	1.68091	13563.7	11152.5	123.16
228	2.30727	11918.0	10161.3	116.84	298	1.67458	13586.5	11166.2	123.23
229	2.29418	11943.3	10176.6	116.95	299	1.66830	13609.3	11179.9	123.31
230	2.28127	11968.6	10191.9	117.06	300	1.66208	13632.1	11193.6	123.39