80.00 ATMOSPHERE ISOBAR

	TEMP. K	DENSITY MOL/LITER	ENTHALPY J/MOL	INTERNAL ENERGY J/MOL	ENTROPY J/MOL-K
*	85.791	35.6815	3052.0	2824.8	52.90
	86	35.6523	3061.2	2833.9	53.01
	87	35.5122	3105.4	2877.1	53.52
	88	35.3708	3149.7	2920.5	54.03
	89	35.2281	3194.3	2964.1	54.53
	90	35.0842	3239.0	3007.9	55.03
	91	34.9391	3283.8	3051.8	55.53
	92	34.7929	3328.9	3095.9	56.02
	93	34.6456	3374.1	3140.1	56.51
	94	34.4973	3419.4	3184.4	56.99
	95	34.3479	3464.9	3228.9	57.47
	96	34.1975	3510.5	3273.4	57.95
	97	34.0461	3556.2	3318.1	58.42
	98	33.8937	3602.0	3362.8	58.89
	99	33.7403	3647.9	3407.6	59.36
	100	33.5858	3693.8	3452.5	59.82
	101	33.4304	3739.9	3497.4	60.28
	102	33.2740	3786.0	3542.4	60.74
	103	33.1165	3832.2	3587.4	61.19
	104	32.9579	3878.5	3632.5	61.63
	105	32.7983	3924.8	3677.6	62.08
	106	32.6376	3971.1	3722.8	62.52
	107	32.4758	4017.5	3767.9	62.95
	108	32.3128	4064.0	3813.1	63.38
	109	32.1486	4110.4	3858.3	63.81
	110	31.9832	4157.0	3903.5	64.24
	111	31.8165	4203.5	3948.7	64.66
	112	31.6485	4250.1	3994.0	65.08
	113	31.4791	4296.7	4039.2	65.49
	114	31.3083	4343.4	4084.5	65.90
	115	31.1360	4390.1	4129.8	66.31
	116	30.9623	4436.9	4175.1	66.71
	117	30.7869	4483.7	4220.4	67.12
	118	30.6098	4530.7	4265.8	67.52
	119	30.4310	4577.7	4311.3	67.91
	120	30.2503	4624.8	4356.8	68.31
	121	30.0678	4672.1	4402.5	68.70
	122	29.8832	4719.5	4448.2	69.09
	123	29.6966	4767.0	4494.1	69.48
	124	29.5077	4814.8	4540.1	69.86
	125	29.3165	4862.7	4586.2	70.25
	126	29.1229	4911.0	4632.6	70.63
	127	28.9267	4959.5	4679.3	71.02
	128	28.7277	5008.3	4726.2	71.40
	129	28.5259	5057.5	4773.4	71.78
	130	28.3211	5107.2	4821.0	72.17
	131	28.1131	5157.3	4868.9	72.55
	132	27.9016	5207.9	4917.4	72.94
	133	27.6865	5259.2	4966.4	73.32
	134	27.4676	5311.1	5016.0	73.71
	135	27.2446	5363.7	5066.2	74.10
	136	27.0171	5416.7	5116.7	74.49
	137	26.7850	5470.3	5167.6	74.89
	138	26.5479	5524.5	5219.1	75.28
	139	26.3054	5579.3	5271.2	75.68
	140	26.0571	5634.8	5323.7	76.07
	141	25.8025	5691.1	5376.9	76.47
	142	25.5411	5748.2	5430.8	76.88
	143	25.2724	5806.3	5485.5	77.29
	144	24.9956	5865.5	5541.2	77.70
	145	24.7101	5926.1	5598.1	78.12
	146	24.4150	5988.2	5656.2	78.55
	147	24.1094	6051.9	5715.7	78.99
	148	23.7922	6117.4	5776.7	79.43
	149	23.4620	6184.7	5839.2	79.89
	150	23.1175	6254.3	5903.6	80.36
	151	22.7570	6326.6	5970.4	80.84
	152	22.3784	6402.1	6039.9	81.34
	153	21.9796	6480.7	6111.9	81.85
	154	21.5578	6562.9	6186.8	82.39
	155	21.1100	6649.0	6265.0	82.95
	156	20.6329	6739.8	6346.9	83.53
	157	20.1227	6835.8	6432.9	84.14
	158	19.5757	6937.7	6523.6	84.79
	159	18.9887	7046.2	6619.4	85.47
	160	18.3601	7162.0	6720.5	86.20

* PHASE CHANGE

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80.00 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	17.6914	7285.0	6826.8	86.97	231	4.86833	11469.5	9804.4	109.70
162	16.9886	7415.0	6937.9	87.77	232	4.83422	11500.4	9823.6	109.84
163	16.2639	7550.7	7052.3	88.61	233	4.80072	11531.2	9842.6	109.97
164	15.5344	7689.8	7168.0	89.46	234	4.76784	11561.7	9861.5	110.10
165	14.8190	7829.8	7282.8	90.31	235	4.73554	11592.1	9880.3	110.23
166	14.1345	7968.0	7394.5	91.14	236	4.70381	11622.4	9899.0	110.36
167	13.4928	8102.4	7501.6	91.95	237	4.67264	11652.4	9917.6	110.48
168	12.9003	8231.3	7603.0	92.72	238	4.64199	11682.4	9936.1	110.61
169	12.3585	8354.1	7698.2	93.45	239	4.61187	11712.1	9954.4	110.73
170	11.8661	8470.4	7787.2	94.14	240	4.58225	11741.8	9972.7	110.86
171	11.4196	8580.2	7870.3	94.78	241	4.55312	11771.2	9990.9	110.98
172	11.0147	8683.8	7947.9	95.38	242	4.52447	11800.6	10008.9	111.10
173	10.6472	8781.7	8020.3	95.95	243	4.49628	11829.8	10026.9	111.22
174	10.3126	8874.2	8088.2	96.48	244	4.46854	11858.9	10044.8	111.34
175	10.0070	8961.9	8151.9	96.99	245	4.44123	11887.8	10062.6	111.46
176	9.72711	9045.3	8211.9	97.46	246	4.41435	11916.6	10080.3	111.58
177	9.46962	9124.6	8268.5	97.91	247	4.38788	11945.4	10097.9	111.69
178	9.23196	9200.3	8322.2	98.34	248	4.36181	11973.9	10115.5	111.81
179	9.01180	9272.7	8373.2	98.74	249	4.33614	12002.4	10133.0	111.92
180	8.80718	9342.3	8421.8	99.13	250	4.31085	12030.8	10150.3	112.04
181	8.61639	9409.1	8468.3	99.50	251	4.28592	12059.0	10167.7	112.15
182	8.43793	9473.4	8512.8	99.86	252	4.26136	12087.1	10184.9	112.26
183	8.27054	9535.6	8555.5	100.20	253	4.23716	12115.2	10202.1	112.37
184	8.11310	9595.7	8596.6	100.52	254	4.21330	12143.1	10219.2	112.48
185	7.96465	9654.0	8636.2	100.84	255	4.18977	12170.9	10236.2	112.59
186	7.82434	9710.5	8674.5	101.14	256	4.16657	12198.7	10253.1	112.70
187	7.69144	9765.4	8711.5	101.44	257	4.14369	12226.3	10270.0	112.81
188	7.56530	9818.9	8747.4	101.72	258	4.12113	12253.8	10286.9	112.92
189	7.44534	9871.0	8782.2	102.00	259	4.09886	12281.3	10303.6	113.02
190	7.33105	9921.9	8816.1	102.27	260	4.07690	12308.7	10320.3	113.13
191	7.22198	9971.6	8849.1	102.53	261	4.05523	12335.9	10337.0	113.23
192	7.11772	10020.1	8881.3	102.78	262	4.03384	12363.1	10353.6	113.34
193	7.01791	10067.7	8912.6	103.03	263	4.01273	12390.2	10370.1	113.44
194	6.92224	10114.3	8943.3	103.27	264	3.99189	12417.2	10386.6	113.54
195	6.83040	10160.0	8973.3	103.51	265	3.97132	12444.2	10403.0	113.64
196	6.74214	10204.9	9002.6	103.74	266	3.95100	12471.0	10419.4	113.75
197	6.65721	10249.0	9031.3	103.96	267	3.93094	12497.8	10435.7	113.85
198	6.57539	10292.3	9059.5	104.18	268	3.91113	12524.5	10451.9	113.95
199	6.49650	10335.0	9087.2	104.39	269	3.89157	12551.2	10468.1	114.05
200	6.42035	10376.9	9114.3	104.61	270	3.87224	12577.7	10484.3	114.14
201	6.34677	10418.2	9141.0	104.81	271	3.85315	12604.2	10500.4	114.24
202	6.27562	10459.0	9167.3	105.01	272	3.83428	12630.6	10516.5	114.34
203	6.20675	10499.1	9193.1	105.21	273	3.81564	12657.0	10532.5	114.44
204	6.14004	10538.7	9218.5	105.41	274	3.79721	12683.3	10548.5	114.53
205	6.07538	10577.8	9243.6	105.60	275	3.77901	12709.5	10564.4	114.63
206	6.01264	10616.4	9268.2	105.79	276	3.76101	12735.6	10580.3	114.72
207	5.95174	10654.6	9292.6	105.97	277	3.74322	12761.7	10596.2	114.82
208	5.89258	10692.3	9316.6	106.15	278	3.72563	12787.8	10612.0	114.91
209	5.83506	10729.5	9340.3	106.33	279	3.70824	12813.7	10627.7	115.00
210	5.77912	10766.4	9363.7	106.51	280	3.69105	12839.6	10643.5	115.10
211	5.72468	10802.9	9386.8	106.68	281	3.67404	12865.5	10659.1	115.19
212	5.67166	10838.9	9409.7	106.85	282	3.65723	12891.3	10674.8	115.28
213	5.62001	10874.7	9432.3	107.02	283	3.64060	12917.0	10690.4	115.37
214	5.56965	10910.1	9454.6	107.18	284	3.62414	12942.7	10706.0	115.46
215	5.52054	10945.1	9476.7	107.35	285	3.60787	12968.3	10721.5	115.55
216	5.47262	10979.8	9498.6	107.51	286	3.59177	12993.9	10737.0	115.64
217	5.42584	11014.3	9520.3	107.67	287	3.57584	13019.4	10752.4	115.73
218	5.38015	11048.4	9541.7	107.82	288	3.56008	13044.9	10767.9	115.82
219	5.33551	11082.2	9562.9	107.98	289	3.54448	13070.3	10783.3	115.91
220	5.29187	11115.8	9584.0	108.13	290	3.52904	13095.6	10798.6	115.99
221	5.24920	11149.1	9604.9	108.28	291	3.51377	13120.9	10814.0	116.08
222	5.20746	11182.2	9625.5	108.43	292	3.49865	13146.2	10829.2	116.17
223	5.16661	11215.0	9646.0	108.58	293	3.48368	13171.4	10844.5	116.25
224	5.12663	11247.6	9666.4	108.73	294	3.46886	13196.6	10859.7	116.34
225	5.08747	11279.9	9686.5	108.87	295	3.45419	13221.7	10874.9	116.43
226	5.04911	11312.0	9706.5	109.01	296	3.43967	13246.8	10890.1	116.51
227	5.01152	11343.9	9726.4	109.15	297	3.42529	13271.8	10905.3	116.60
228	4.97467	11375.6	9746.1	109.29	298	3.41106	13296.8	10920.4	116.68
229	4.93854	11407.1	9765.7	109.43	299	3.39696	13321.8	10935.5	116.76
230	4.90310	11438.4	9785.1	109.57	300	3.38299	13346.7	10950.5	116.85