

Table I  
Geometric Altitude, Metric Units

Altitude		Temperature			Pressure			Density	
Z (m)	H (m)	T (K)	t (°C)	T <sub>M</sub> (K)	P (mb)	P (torr)	P/P <sub>0</sub>	ρ (kg/m <sup>3</sup> )	ρ/ρ <sub>0</sub>
-5000	-5004	320.676	47.526	320.676	1.7776	1.3333	1.7543	1.9311	1.5764
-4950	-4954	320.350	47.200	320.350	1.7681	1.3262	1.7450	1.9228	1.5696
-4900	-4904	320.025	46.875	320.025	1.7587	1.3191	1.7357	1.9145	1.5629
-4850	-4854	319.699	46.549	319.699	1.7493	1.3121	1.7264	1.9062	1.5561
-4800	-4804	319.374	46.224	319.374	1.7400	1.3051	1.7172	1.8980	1.5494
-4750	-4754	319.048	45.898	319.048	1.7307	1.2981	1.7080	1.8898	1.5427
-4700	-4703	318.723	45.573	318.723	1.7214	1.2911	1.6989	1.8816	1.5360
-4650	-4653	318.397	45.247	318.397	1.7122	1.2842	1.6898	1.8734	1.5293
-4600	-4603	318.072	44.922	318.072	1.7030	1.2773	1.6807	1.8653	1.5227
-4550	-4553	317.746	44.596	317.746	1.6939	1.2705	1.6717	1.8572	1.5160
-4500	-4503	317.421	44.271	317.421	1.6848	1.2637	1.6627	1.8491	1.5094
-4450	-4453	317.095	43.945	317.095	1.6757	1.2569	1.6538	1.8410	1.5029
-4400	-4403	316.770	43.620	316.770	1.6667	1.2501	1.6449	1.8330	1.4963
-4350	-4353	316.444	43.294	316.444	1.6577	1.2434	1.6360	1.8250	1.4898
-4300	-4303	316.119	42.969	316.119	1.6488	1.2367	1.6272	1.8170	1.4833
-4250	-4253	315.793	42.643	315.793	1.6399	1.2300	1.6184	1.8091	1.4768
-4200	-4203	315.468	42.318	315.468	1.6310	1.2233	1.6097	1.8011	1.4703
-4150	-4153	315.143	41.993	315.143	1.6222	1.2167	1.6010	1.7933	1.4639
-4100	-4103	314.817	41.667	314.817	1.6134	1.2101	1.5923	1.7854	1.4575
-4050	-4053	314.492	41.342	314.492	1.6046	1.2036	1.5837	1.7775	1.4511
-4000	-4003	314.166	41.016	314.166	1.5959	1.1970	1.5751	1.7697	1.4447
-3950	-3952	313.841	40.691	313.841	1.5873	1.1905	1.5665	1.7619	1.4383
-3900	-3902	313.516	40.366	313.516	1.5786	1.1841	1.5580	1.7542	1.4320
-3850	-3852	313.190	40.040	313.190	1.5700	1.1776	1.5495	1.7464	1.4257
-3800	-3802	312.865	39.715	312.865	1.5615	1.1712	1.5411	1.7387	1.4194
-3750	-3752	312.539	39.389	312.539	1.5530	1.1648	1.5327	1.7311	1.4131
-3700	-3702	312.214	39.064	312.214	1.5445	1.1584	1.5243	1.7234	1.4069
-3650	-3652	311.889	38.739	311.889	1.5360	1.1521	1.5160	1.7158	1.4006
-3600	-3602	311.563	38.413	311.563	1.5276	1.1458	1.5077	1.7082	1.3944
-3550	-3552	311.238	38.088	311.238	1.5193	1.1395	1.4994	1.7006	1.3882
-3500	-3502	310.913	37.763	310.913	1.5109	1.1333	1.4912	1.6930	1.3821
-3450	-3452	310.587	37.437	310.587	1.5027	1.1271	1.4830	1.6855	1.3759
-3400	-3402	310.262	37.112	310.262	1.4944	1.1209	1.4749	1.6780	1.3698
-3350	-3352	309.936	36.786	309.936	1.4862	1.1147	1.4667	1.6705	1.3637
-3300	-3302	309.611	36.461	309.611	1.4780	1.1086	1.4587	1.6631	1.3576
-3250	-3252	309.286	36.136	309.286	1.4699	1.1025	1.4506	1.6556	1.3515
-3200	-3202	308.960	35.810	308.960	1.4617	1.0964	1.4426	1.6482	1.3455
-3150	-3152	308.635	35.485	308.635	1.4537	1.0903	1.4347	1.6409	1.3395
-3100	-3102	308.310	35.160	308.310	1.4456	1.0843	1.4267	1.6335	1.3335
-3050	-3051	307.985	34.835	307.985	1.4376	1.0783	1.4188	1.6262	1.3275
-3000	-3001	307.659	34.509	307.659	1.4297	1.0723	1.4110	1.6189	1.3216
-2950	-2951	307.334	34.184	307.334	1.4217	1.0664	1.4032	1.6116	1.3156
-2900	-2901	307.009	33.859	307.009	1.4139	1.0605	1.3954	1.6044	1.3097
-2850	-2851	306.683	33.533	306.683	1.4060	1.0546	1.3876	1.5972	1.3038
-2800	-2801	306.358	33.208	306.358	1.3982	1.0487	1.3799	1.5900	1.2979
-2750	-2751	306.033	32.883	306.033	1.3904	1.0429	1.3722	1.5828	1.2921
-2700	-2701	305.707	32.557	305.707	1.3826	1.0371	1.3646	1.5756	1.2862
-2650	-2651	305.382	32.232	305.382	1.3749	1.0313	1.3570	1.5685	1.2804
-2600	-2601	305.057	31.907	305.057	1.3673	1.0255	1.3494	1.5614	1.2746
-2550	-2551	304.732	31.582	304.732	1.3596	1.0198	1.3418	1.5544	1.2689
-2500	-2501	304.406	31.256	304.406	1.3520	1.0141	1.3343	1.5473	1.2631
-2450	-2451	304.081	30.931	304.081	1.3444	1.0084	1.3268	1.5403	1.2574
-2400	-2401	303.756	30.606	303.756	1.3369	1.0027	1.3194	1.5333	1.2517
-2350	-2351	303.431	30.281	303.431	1.3294	9.9714	1.3120	1.5263	1.2460
-2300	-2301	303.105	29.955	303.105	1.3219	9.9154	1.3046	1.5194	1.2403
-2250	-2251	302.780	29.630	302.780	1.3145	9.8596	1.2973	1.5124	1.2346
-2200	-2201	302.455	29.305	302.455	1.3071	9.8041	1.2900	1.5055	1.2290
-2150	-2151	302.130	28.980	302.130	1.2997	9.7488	1.2827	1.4986	1.2234
-2100	-2101	301.805	28.655	301.805	1.2924	9.6937	1.2754	1.4918	1.2178
-2050	-2051	301.479	28.329	301.479	1.2850	9.6390	1.2682	1.4850	1.2122
-2000	-2001	301.154	28.004	301.154	1.2778	9.5845	1.2611	1.4782	1.2067
-1950	-1951	300.829	27.679	300.829	1.2705	9.5302	1.2539	1.4714	1.2011
-1900	-1901	300.504	27.354	300.504	1.2633	9.4762	1.2468	1.4646	1.1956
-1850	-1851	300.179	27.029	300.179	1.2562	9.4224	1.2397	1.4579	1.1901
-1800	-1801	299.853	26.703	299.853	1.2490	9.3689	1.2327	1.4512	1.1846
-1750	-1750	299.528	26.378	299.528	1.2419	9.3156	1.2257	1.4445	1.1792
-1700	-1700	299.203	26.053	299.203	1.2349	9.2625	1.2187	1.4378	1.1737
-1650	-1650	298.878	25.728	298.878	1.2278	9.2098	1.2118	1.4312	1.1683
-1600	-1600	298.553	25.403	298.553	1.2208	9.1572	1.2049	1.4246	1.1629
-1550	-1550	298.227	25.077	298.227	1.2138	9.1049	1.1980	1.4180	1.1575
-1500	-1500	297.902	24.752	297.902	1.2069	9.0529	1.1911	1.4114	1.1522
-1450	-1450	297.577	24.427	297.577	1.2000	9.0011	1.1843	1.4049	1.1468
-1400	-1400	297.252	24.102	297.252	1.1931	8.9495	1.1775	1.3984	1.1415
-1350	-1350	296.927	23.777	296.927	1.1863	8.8982	1.1708	1.3919	1.1362
-1300	-1300	296.602	23.452	296.602	1.1795	8.8471	1.1640	1.3854	1.1309
-1250	-1250	296.277	23.127	296.277	1.1727	8.7962	1.1574	1.3789	1.1257
-1200	-1200	295.951	22.801	295.951	1.1659	8.7456	1.1507	1.3725	1.1204
-1150	-1150	295.626	22.476	295.626	1.1592	8.6952	1.1441	1.3661	1.1152
-1100	-1100	295.301	22.151	295.301	1.1525	8.6451	1.1375	1.3597	1.1100
-1050	-1050	294.976	21.826	294.976	1.1459	8.5952	1.1309	1.3534	1.1048

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-1000	-1000	294.651	21.501	294.651	1.1393 + 3	8.5455 + 2	1.1244 + 0	1.3470 + 0	1.0996 + 0
-950	-950	294.326	21.176	294.326	1.1327	8.4961	1.1179	1.3407	1.0945
-900	-900	294.001	20.851	294.001	1.1261	8.4468	1.1114	1.3344	1.0893
-850	-850	293.676	20.526	293.676	1.1196	8.3979	1.1049	1.3281	1.0842
-800	-800	293.351	20.201	293.351	1.1131	8.3491	1.0985	1.3219	1.0791
-750	-750	293.026	19.876	293.026	1.1066	8.3006	1.0921	1.3157	1.0740
-700	-700	292.701	19.551	292.701	1.1002	8.2523	1.0858	1.3095	1.0690
-650	-650	292.375	19.225	292.375	1.0938	8.2043	1.0795	1.3033	1.0639
-600	-600	292.050	18.900	292.050	1.0874	8.1564	1.0732	1.2971	1.0589
-550	-550	291.725	18.575	291.725	1.0810	8.1088	1.0669	1.2910	1.0539
-500	-500	291.400	18.250	291.400	1.0747 + 3	8.0615 + 2	1.0607 + 0	1.2849 + 0	1.0489 + 0
-450	-450	291.075	17.925	291.075	1.0684	8.0143	1.0545	1.2788	1.0439
-400	-400	290.750	17.600	290.750	1.0622	7.9674	1.0483	1.2727	1.0390
-350	-350	290.425	17.275	290.425	1.0560	7.9207	1.0422	1.2667	1.0340
-300	-300	290.100	16.950	290.100	1.0498	7.8742	1.0360	1.2607	1.0291
-250	-250	289.775	16.625	289.775	1.0436	7.8279	1.0299	1.2547	1.0242
-200	-200	289.450	16.300	289.450	1.0375	7.7819	1.0239	1.2487	1.0193
-150	-150	289.125	15.975	289.125	1.0314	7.7361	1.0179	1.2427	1.0145
-100	-100	288.800	15.650	288.800	1.0253	7.6905	1.0119	1.2368	1.0096
-50	-50	288.475	15.325	288.475	1.0192	7.6451	1.0059	1.2309	1.0048
0	0	288.150	15.000	288.150	1.01325 + 3	7.60000 + 2	1.00000 + 0	1.2250 + 0	1.0000 + 0
50	50	287.825	14.675	287.825	1.0072	7.5550	9.9408 - 1	1.2191	9.9521 - 1
100	100	287.500	14.350	287.500	1.0012	7.5103	9.8820	1.2133	9.9044
150	150	287.175	14.025	287.175	9.9535 + 2	7.4658	9.8234	1.2075	9.8568
200	200	286.850	13.700	286.850	9.8945	7.4215	9.7651	1.2017	9.8094
250	250	286.525	13.375	286.525	9.8357	7.3774	9.7071	1.1959	9.7622
300	300	286.200	13.050	286.200	9.7772	7.3335	9.6494	1.1901	9.7152
350	350	285.875	12.725	285.875	9.7190	7.2898	9.5919	1.1844	9.6683
400	400	285.550	12.400	285.550	9.6611	7.2464	9.5348	1.1786	9.6216
450	450	285.225	12.075	285.225	9.6034	7.2032	9.4779	1.1730	9.5751
500	500	284.900	11.750	284.900	9.5461 + 2	7.1601 + 2	9.4212 - 1	1.1673 + 0	9.5288 - 1
550	550	284.575	11.425	284.575	9.4890	7.1173	9.3649	1.1616	9.4826
600	600	284.250	11.100	284.250	9.4322	7.0747	9.3088	1.1560	9.4366
650	650	283.925	10.775	283.925	9.3756	7.0323	9.2530	1.1504	9.3908
700	700	283.601	10.451	283.601	9.3194	6.9901	9.1975	1.1448	9.3451
750	750	283.276	10.126	283.276	9.2634	6.9481	9.1423	1.1392	9.2996
800	800	282.951	9.801	282.951	9.2077	6.9063	9.0873	1.1337	9.2543
850	850	282.626	9.476	282.626	9.1523	6.8648	9.0326	1.1281	9.2092
900	900	282.301	9.151	282.301	9.0971	6.8234	8.9781	1.1226	9.1642
950	950	281.976	8.826	281.976	9.0422	6.7822	8.9240	1.1171	9.1194
1000	1000	281.651	8.501	281.651	8.9876 + 2	6.7412 + 2	8.8700 - 1	1.1117 + 0	9.0748 - 1
1050	1050	281.326	8.176	281.326	8.9332	6.7005	8.8164	1.1062	9.0303
1100	1100	281.001	7.851	281.001	8.8791	6.6599	8.7630	1.1008	8.9860
1150	1150	280.676	7.526	280.676	8.8253	6.6195	8.7099	1.0954	8.9419
1200	1200	280.351	7.201	280.351	8.7717	6.5793	8.6570	1.0900	8.8979
1250	1250	280.027	6.877	280.027	8.7185	6.5394	8.6044	1.0846	8.8541
1300	1300	279.702	6.552	279.702	8.6654	6.4996	8.5521	1.0793	8.8105
1350	1350	279.377	6.227	279.377	8.6127	6.4600	8.5000	1.0740	8.7670
1400	1400	279.052	5.902	279.052	8.5602	6.4206	8.4482	1.0687	8.7237
1450	1450	278.727	5.577	278.727	8.5079	6.3814	8.3966	1.0634	8.6806
1500	1500	278.402	5.252	278.402	8.4559 + 2	6.3424 + 2	8.3453 - 1	1.0581 + 0	8.6376 - 1
1550	1550	278.077	4.927	278.077	8.4042	6.3036	8.2943	1.0529	8.5948
1600	1600	277.753	4.603	277.753	8.3527	6.2650	8.2435	1.0476	8.5521
1650	1650	277.428	4.278	277.428	8.3015	6.2266	8.1929	1.0424	8.5096
1700	1700	277.103	3.953	277.103	8.2505	6.1884	8.1427	1.0372	8.4673
1750	1750	276.778	3.628	276.778	8.1998	6.1504	8.0926	1.0321	8.4252
1800	1799	276.453	3.303	276.453	8.1494	6.1125	8.0428	1.0269	8.3832
1850	1849	276.128	2.978	276.128	8.0992	6.0749	7.9933	1.0218	8.3413
1900	1899	275.804	2.654	275.804	8.0492	6.0374	7.9440	1.0167	8.2996
1950	1949	275.479	2.329	275.479	7.9995	6.0001	7.8949	1.0116	8.2581
2000	1999	275.154	2.004	275.154	7.9501 + 2	5.9630 + 2	7.8461 - 1	1.0066 + 0	8.2168 - 1
2050	2049	274.829	1.679	274.829	7.9009	5.9261	7.7976	1.0015	8.1756
2100	2099	274.505	1.355	274.505	7.8519	5.8894	7.7493	9.9648 - 1	8.1345
2150	2149	274.180	1.030	274.180	7.8032	5.8529	7.7012	9.9147	8.0936
2200	2199	273.855	.705	273.855	7.7548	5.8165	7.6534	9.8648	8.0529
2250	2249	273.530	.380	273.530	7.7066	5.7804	7.6058	9.8151	8.0124
2300	2299	273.205	.055	273.205	7.6586	5.7444	7.5584	9.7656	7.9719
2350	2349	272.881	-.269	272.881	7.6109	5.7086	7.5113	9.7163	7.9317
2400	2399	272.556	-.594	272.556	7.5634	5.6730	7.4645	9.6672	7.8916
2450	2449	272.231	-.919	272.231	7.5161	5.6375	7.4178	9.6183	7.8517
2500	2499	271.906	-1.244	271.906	7.4691 + 2	5.6023 + 2	7.3715 - 1	9.5695 - 1	7.8119 - 1
2550	2549	271.582	-1.568	271.582	7.4224	5.5672	7.3253	9.5210	7.7722
2600	2599	271.257	-1.893	271.257	7.3758	5.5323	7.2794	9.4726	7.7328
2650	2649	270.932	-2.218	270.932	7.3295	5.4976	7.2337	9.4245	7.6934
2700	2699	270.607	-2.543	270.607	7.2835	5.4631	7.1882	9.3765	7.6543
2750	2749	270.283	-2.867	270.283	7.2377	5.4287	7.1430	9.3287	7.6153
2800	2799	269.958	-3.192	269.958	7.1921	5.3945	7.0980	9.2811	7.5764
2850	2849	269.633	-3.517	269.633	7.1467	5.3605	7.0533	9.2337	7.5377
2900	2899	269.309	-3.841	269.309	7.1016	5.3266	7.0087	9.1865	7.4991
2950	2949	268.984	-4.166	268.984	7.0567	5.2930	6.9644	9.1394	7.4607

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3000	2999	268.659	-4.491	268.659	7.0121 + 2	5.2595 + 2	6.9204 - 1	9.0925 - 1	7.4225 - 1
3050	3049	268.335	-4.815	268.335	6.9676	5.2261	6.8765	9.0459	7.3844
3100	3098	268.010	-5.140	268.010	6.9234	5.1930	6.8329	8.9994	7.3464
3150	3148	267.685	-5.465	267.685	6.8795	5.1600	6.7895	8.9531	7.3086
3200	3198	267.360	-5.790	267.360	6.8357	5.1272	6.7463	8.9069	7.2710
3250	3248	267.036	-6.114	267.036	6.7922	5.0946	6.7034	8.8610	7.2335
3300	3298	266.711	-6.439	266.711	6.7489	5.0621	6.6607	8.8152	7.1961
3350	3348	266.386	-6.764	266.386	6.7059	5.0298	6.6182	8.7697	7.1589
3400	3398	266.062	-7.088	266.062	6.6630	4.9977	6.5759	8.7243	7.1219
3450	3448	265.737	-7.413	265.737	6.6204	4.9657	6.5338	8.6791	7.0849
3500	3498	265.413	-7.737	265.413	6.5780 + 2	4.9339 + 2	6.4920 - 1	8.6340 - 1	7.0482 - 1
3550	3548	265.088	-8.062	265.088	6.5358	4.9022	6.4503	8.5892	7.0116
3600	3598	264.763	-8.387	264.763	6.4939	4.8708	6.4089	8.5445	6.9751
3650	3648	264.439	-8.711	264.439	6.4521	4.8395	6.3677	8.5000	6.9388
3700	3698	264.114	-9.036	264.114	6.4106	4.8083	6.3268	8.4557	6.9026
3750	3748	263.789	-9.361	263.789	6.3693	4.7773	6.2860	8.4115	6.8666
3800	3798	263.465	-9.685	263.465	6.3282	4.7465	6.2454	8.3676	6.8307
3850	3848	263.140	-10.010	263.140	6.2873	4.7159	6.2051	8.3238	6.7949
3900	3898	262.816	-10.334	262.816	6.2467	4.6854	6.1650	8.2802	6.7593
3950	3948	262.491	-10.659	262.491	6.2062	4.6550	6.1251	8.2367	6.7239
4000	3997	262.166	-10.984	262.166	6.1660 + 2	4.6249 + 2	6.0854 - 1	8.1935 - 1	6.6885 - 1
4050	4047	261.842	-11.308	261.842	6.1260	4.5948	6.0459	8.1504	6.6534
4100	4097	261.517	-11.633	261.517	6.0862	4.5650	6.0066	8.1075	6.6183
4150	4147	261.193	-11.957	261.193	6.0466	4.5353	5.9675	8.0647	6.5835
4200	4197	260.868	-12.282	260.868	6.0072	4.5057	5.9286	8.0222	6.5487
4250	4247	260.543	-12.607	260.543	5.9680	4.4764	5.8900	7.9798	6.5141
4300	4297	260.219	-12.931	260.219	5.9290	4.4471	5.8515	7.9376	6.4796
4350	4347	259.894	-13.256	259.894	5.8903	4.4181	5.8132	7.8955	6.4453
4400	4397	259.570	-13.580	259.570	5.8517	4.3891	5.7752	7.8536	6.4111
4450	4447	259.245	-13.905	259.245	5.8134	4.3604	5.7373	7.8119	6.3771
4500	4497	258.921	-14.229	258.921	5.7752 + 2	4.3317 + 2	5.6997 - 1	7.7704 - 1	6.3432 - 1
4550	4547	258.596	-14.554	258.596	5.7373	4.3033	5.6622	7.7290	6.3094
4600	4597	258.272	-14.878	258.272	5.6995	4.2750	5.6250	7.6878	6.2758
4650	4647	257.947	-15.203	257.947	5.6620	4.2468	5.5879	7.6468	6.2423
4700	4697	257.623	-15.527	257.623	5.6246	4.2188	5.5511	7.6059	6.2089
4750	4746	257.298	-15.852	257.298	5.5875	4.1910	5.5144	7.5652	6.1757
4800	4796	256.974	-16.176	256.974	5.5506	4.1633	5.4780	7.5247	6.1426
4850	4846	256.649	-16.501	256.649	5.5138	4.1357	5.4417	7.4844	6.1097
4900	4896	256.325	-16.825	256.325	5.4773	4.1083	5.4056	7.4442	6.0769
4950	4946	256.000	-17.150	256.000	5.4409	4.0810	5.3698	7.4042	6.0442
5000	4996	255.676	-17.474	255.676	5.4048 + 2	4.0539 + 2	5.3341 - 1	7.3643 - 1	6.0117 - 1
5050	5046	255.351	-17.799	255.351	5.3688	4.0269	5.2986	7.3246	5.9793
5100	5096	255.027	-18.123	255.027	5.3331	4.0001	5.2633	7.2851	5.9470
5150	5146	254.702	-18.448	254.702	5.2975	3.9734	5.2282	7.2457	5.9149
5200	5196	254.378	-18.772	254.378	5.2621	3.9469	5.1933	7.2065	5.8829
5250	5246	254.053	-19.097	254.053	5.2269	3.9205	5.1586	7.1675	5.8510
5300	5296	253.729	-19.421	253.729	5.1919	3.8943	5.1241	7.1286	5.8192
5350	5346	253.404	-19.746	253.404	5.1571	3.8682	5.0897	7.0899	5.7876
5400	5396	253.080	-20.070	253.080	5.1225	3.8422	5.0556	7.0513	5.7562
5450	5446	252.755	-20.395	252.755	5.0881	3.8164	5.0216	7.0129	5.7248
5500	5496	252.431	-20.719	252.431	5.0539 + 2	3.7907 + 2	4.9878 - 1	6.9747 - 1	5.6936 - 1
5550	5546	252.106	-21.044	252.106	5.0198	3.7652	4.9542	6.9366	5.6625
5600	5596	251.782	-21.368	251.782	4.9860	3.7398	4.9208	6.8987	5.6316
5650	5646	251.458	-21.692	251.458	4.9523	3.7145	4.8875	6.8610	5.6008
5700	5696	251.133	-22.017	251.133	4.9188	3.6894	4.8545	6.8234	5.5701
5750	5746	250.809	-22.341	250.809	4.8855	3.6644	4.8216	6.7859	5.5395
5800	5796	250.484	-22.666	250.484	4.8524	3.6396	4.7889	6.7487	5.5091
5850	5846	250.160	-22.990	250.160	4.8194	3.6149	4.7564	6.7115	5.4788
5900	5896	249.836	-23.314	249.836	4.7867	3.5903	4.7241	6.6746	5.4486
5950	5946	249.511	-23.639	249.511	4.7541	3.5659	4.6919	6.6378	5.4186
6000	5996	249.187	-23.963	249.187	4.7217 + 2	3.5416 + 2	4.6600 - 1	6.6011 - 1	5.3887 - 1
6050	6046	248.862	-24.288	248.862	4.6895	3.5174	4.6282	6.5646	5.3589
6100	6096	248.538	-24.612	248.538	4.6575	3.4934	4.5966	6.5283	5.3292
6150	6146	248.214	-24.936	248.214	4.6256	3.4695	4.5651	6.4921	5.2997
6200	6196	247.889	-25.261	247.889	4.5939	3.4457	4.5338	6.4561	5.2703
6250	6246	247.565	-25.585	247.565	4.5624	3.4221	4.5027	6.4202	5.2410
6300	6296	247.241	-25.909	247.241	4.5311	3.3986	4.4718	6.3845	5.2118
6350	6346	246.916	-26.234	246.916	4.4999	3.3752	4.4411	6.3489	5.1828
6400	6396	246.592	-26.558	246.592	4.4689	3.3520	4.4105	6.3135	5.1539
6450	6443	246.267	-26.883	246.267	4.4381	3.3289	4.3801	6.2782	5.1251
6500	6493	245.943	-27.207	245.943	4.4075 + 2	3.3059 + 2	4.3499 - 1	6.2431 - 1	5.0964 - 1
6550	6543	245.619	-27.531	245.619	4.3770	3.2830	4.3198	6.2081	5.0679
6600	6593	245.294	-27.856	245.294	4.3467	3.2603	4.2899	6.1733	5.0394
6650	6643	244.970	-28.180	244.970	4.3166	3.2377	4.2602	6.1387	5.0112
6700	6693	244.646	-28.504	244.646	4.2867	3.2153	4.2306	6.1042	4.9830
6750	6743	244.322	-28.828	244.322	4.2569	3.1929	4.2012	6.0698	4.9549
6800	6793	243.997	-29.153	243.997	4.2273	3.1707	4.1720	6.0356	4.9270
6850	6843	243.673	-29.477	243.673	4.1978	3.1486	4.1429	6.0015	4.8992
6900	6893	243.349	-29.801	243.349	4.1685	3.1267	4.1140	5.9676	4.8715
6950	6942	243.024	-30.126	243.024	4.1394	3.1048	4.0853	5.9338	4.8439

ORIGINAL PAGE IS  
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Table I  
Geometric Altitude, Metric Units

Altitude		Temperature			Pressure			Density	
Z (m)	H (m)	T (K)	t (°C)	T <sub>M</sub> (K)	P (mb)	P (torr)	P/P <sub>0</sub>	ρ (kg/m <sup>3</sup> )	ρ/ρ <sub>0</sub>
7000	6992	242.700	-30.450	242.700	4.1105	3.0831	4.0567	5.9002	4.8165
7050	7042	242.376	-30.774	242.376	4.0817	3.0615	4.0283	5.8667	4.7891
7100	7092	242.051	-31.099	242.051	4.0531	3.0400	4.0001	5.8334	4.7619
7150	7142	241.727	-31.423	241.727	4.0246	3.0187	3.9720	5.8002	4.7348
7200	7192	241.403	-31.747	241.403	3.9963	2.9975	3.9441	5.7671	4.7079
7250	7242	241.079	-32.071	241.079	3.9682	2.9764	3.9163	5.7343	4.6810
7300	7292	240.754	-32.396	240.754	3.9402	2.9554	3.8887	5.7015	4.6543
7350	7342	240.430	-32.720	240.430	3.9124	2.9345	3.8612	5.6689	4.6277
7400	7391	240.106	-33.044	240.106	3.8847	2.9138	3.8339	5.6364	4.6012
7450	7441	239.782	-33.368	239.782	3.8573	2.8932	3.8068	5.6041	4.5748
7500	7491	239.457	-33.693	239.457	3.8299	2.8727	3.7798	5.5719	4.5485
7550	7541	239.133	-34.017	239.133	3.8027	2.8523	3.7530	5.5399	4.5224
7600	7591	238.809	-34.341	238.809	3.7757	2.8320	3.7263	5.5080	4.4963
7650	7641	238.485	-34.665	238.485	3.7489	2.8119	3.6998	5.4762	4.4704
7700	7691	238.161	-34.989	238.161	3.7221	2.7918	3.6735	5.4446	4.4446
7750	7741	237.836	-35.314	237.836	3.6956	2.7719	3.6473	5.4131	4.4189
7800	7790	237.512	-35.638	237.512	3.6692	2.7521	3.6212	5.3818	4.3933
7850	7840	237.188	-35.962	237.188	3.6429	2.7324	3.5953	5.3506	4.3678
7900	7890	236.864	-36.286	236.864	3.6168	2.7128	3.5695	5.3196	4.3425
7950	7940	236.540	-36.610	236.540	3.5909	2.6934	3.5439	5.2886	4.3173
8000	7990	236.215	-36.935	236.215	3.5651	2.6740	3.5185	5.2579	4.2921
8050	8040	235.891	-37.259	235.891	3.5395	2.6548	3.4932	5.2272	4.2671
8100	8090	235.567	-37.583	235.567	3.5140	2.6357	3.4680	5.1967	4.2422
8150	8140	235.243	-37.907	235.243	3.4886	2.6167	3.4430	5.1664	4.2174
8200	8189	234.919	-38.231	234.919	3.4634	2.5978	3.4182	5.1361	4.1928
8250	8239	234.595	-38.555	234.595	3.4384	2.5790	3.3934	5.1060	4.1682
8300	8289	234.270	-38.880	234.270	3.4135	2.5603	3.3689	5.0761	4.1437
8350	8339	233.946	-39.204	233.946	3.3888	2.5418	3.3444	5.0462	4.1194
8400	8389	233.622	-39.528	233.622	3.3641	2.5233	3.3202	5.0166	4.0951
8450	8439	233.298	-39.852	233.298	3.3397	2.5050	3.2960	4.9870	4.0710
8500	8489	232.974	-40.176	232.974	3.3154	2.4867	3.2720	4.9576	4.0470
8550	8539	232.650	-40.500	232.650	3.2912	2.4686	3.2482	4.9283	4.0231
8600	8588	232.326	-40.824	232.326	3.2672	2.4506	3.2244	4.8991	3.9993
8650	8638	232.001	-41.149	232.001	3.2433	2.4326	3.2009	4.8701	3.9756
8700	8688	231.677	-41.473	231.677	3.2195	2.4148	3.1774	4.8412	3.9520
8750	8738	231.353	-41.797	231.353	3.1959	2.3971	3.1541	4.8125	3.9285
8800	8788	231.029	-42.121	231.029	3.1725	2.3795	3.1310	4.7838	3.9052
8850	8838	230.705	-42.445	230.705	3.1492	2.3620	3.1080	4.7553	3.8819
8900	8888	230.381	-42.769	230.381	3.1260	2.3447	3.0851	4.7270	3.8588
8950	8937	230.057	-43.093	230.057	3.1029	2.3274	3.0623	4.6987	3.8357
9000	8987	229.733	-43.417	229.733	3.0800	2.3102	3.0397	4.6706	3.8128
9050	9037	229.409	-43.741	229.409	3.0573	2.2931	3.0173	4.6427	3.7899
9100	9087	229.085	-44.065	229.085	3.0346	2.2761	2.9949	4.6148	3.7672
9150	9137	228.760	-44.390	228.760	3.0121	2.2593	2.9727	4.5871	3.7446
9200	9187	228.436	-44.714	228.436	2.9898	2.2425	2.9507	4.5595	3.7220
9250	9237	228.112	-45.038	228.112	2.9675	2.2258	2.9287	4.5320	3.6996
9300	9286	227.788	-45.362	227.788	2.9454	2.2093	2.9069	4.5047	3.6773
9350	9336	227.464	-45.686	227.464	2.9235	2.1928	2.8853	4.4775	3.6551
9400	9386	227.140	-46.010	227.140	2.9017	2.1764	2.8637	4.4504	3.6330
9450	9436	226.816	-46.334	226.816	2.8800	2.1601	2.8423	4.4234	3.6110
9500	9486	226.492	-46.658	226.492	2.8584	2.1440	2.8210	4.3966	3.5891
9550	9536	226.168	-46.982	226.168	2.8370	2.1279	2.7999	4.3699	3.5673
9600	9586	225.844	-47.306	225.844	2.8157	2.1119	2.7789	4.3433	3.5456
9650	9635	225.520	-47.630	225.520	2.7945	2.0961	2.7580	4.3169	3.5240
9700	9685	225.196	-47.954	225.196	2.7735	2.0803	2.7372	4.2905	3.5025
9750	9735	224.872	-48.278	224.872	2.7526	2.0646	2.7166	4.2643	3.4811
9800	9785	224.548	-48.602	224.548	2.7318	2.0490	2.6961	4.2382	3.4598
9850	9835	224.224	-48.926	224.224	2.7111	2.0335	2.6757	4.2123	3.4386
9900	9885	223.900	-49.250	223.900	2.6906	2.0181	2.6554	4.1864	3.4175
9950	9934	223.576	-49.574	223.576	2.6702	2.0028	2.6353	4.1607	3.3965
10000	9984	223.252	-49.898	223.252	2.6499	1.9876	2.6153	4.1351	3.3756
10050	10034	222.928	-50.222	222.928	2.6298	1.9725	2.5954	4.1096	3.3548
10100	10084	222.604	-50.546	222.604	2.6098	1.9575	2.5756	4.0843	3.3341
10150	10134	222.280	-50.870	222.280	2.5899	1.9425	2.5560	4.0590	3.3135
10200	10184	221.956	-51.194	221.956	2.5701	1.9277	2.5365	4.0339	3.2930
10250	10233	221.632	-51.518	221.632	2.5504	1.9130	2.5171	4.0089	3.2726
10300	10283	221.308	-51.842	221.308	2.5309	1.8983	2.4978	3.9840	3.2523
10350	10333	220.984	-52.166	220.984	2.5115	1.8838	2.4786	3.9593	3.2321
10400	10383	220.660	-52.490	220.660	2.4922	1.8693	2.4596	3.9346	3.2119
10450	10433	220.336	-52.814	220.336	2.4730	1.8549	2.4407	3.9101	3.1919
10500	10483	220.013	-53.137	220.013	2.4540	1.8406	2.4219	3.8857	3.1720
10550	10533	219.689	-53.461	219.689	2.4350	1.8264	2.4032	3.8614	3.1522
10600	10582	219.365	-53.785	219.365	2.4162	1.8123	2.3846	3.8372	3.1324
10650	10632	219.041	-54.109	219.041	2.3975	1.7983	2.3662	3.8132	3.1128
10700	10682	218.717	-54.433	218.717	2.3790	1.7844	2.3479	3.7892	3.0933
10750	10732	218.393	-54.757	218.393	2.3605	1.7705	2.3296	3.7654	3.0738
10800	10782	218.069	-55.081	218.069	2.3422	1.7568	2.3115	3.7417	3.0545
10850	10832	217.745	-55.405	217.745	2.3239	1.7431	2.2935	3.7181	3.0352
10900	10881	217.421	-55.729	217.421	2.3058	1.7295	2.2757	3.6946	3.0160
10950	10931	217.097	-56.053	217.097	2.2878	1.7160	2.2579	3.6713	2.9970

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Table I  
Geometric Altitude, Metric Units

Altitude		Temperature			Pressure			Density	
Z (m)	H (m)	T (K)	t (°C)	T <sub>M</sub> (K)	P (mb)	P (torr)	P/P <sub>0</sub>	$\rho$ (kg/m <sup>3</sup> )	$\rho/\rho_0$
11000	10981	216.774	-56.376	216.774	2.2699 + 2	1.7026 + 2	2.2403 - 1	3.6480 - 1	2.9780 - 1
11100	11081	216.650	-56.500	216.650	2.2346	1.6760	2.2053	3.5932	2.9332
11200	11180	216.650	-56.500	216.650	2.1997	1.6499	2.1710	3.5372	2.8875
11300	11280	216.650	-56.500	216.650	2.1654	1.6242	2.1371	3.4820	2.8425
11400	11380	216.650	-56.500	216.650	2.1317	1.5989	2.1038	3.4277	2.7982
11500	11479	216.650	-56.500	216.650	2.0984	1.5739	2.0710	3.3743	2.7545
11600	11579	216.650	-56.500	216.650	2.0657	1.5494	2.0387	3.3217	2.7116
11700	11679	216.650	-56.500	216.650	2.0335	1.5252	2.0069	3.2699	2.6693
11800	11778	216.650	-56.500	216.650	2.0018	1.5015	1.9756	3.2190	2.6277
11900	11878	216.650	-56.500	216.650	1.9706	1.4781	1.9448	3.1688	2.5868
12000	11977	216.650	-56.500	216.650	1.9399 + 2	1.4550 + 2	1.9145 - 1	3.1194 - 1	2.5464 - 1
12100	12077	216.650	-56.500	216.650	1.9097	1.4323	1.8847	3.0708	2.5067
12200	12177	216.650	-56.500	216.650	1.8799	1.4100	1.8553	3.0229	2.4677
12300	12276	216.650	-56.500	216.650	1.8506	1.3880	1.8264	2.9758	2.4292
12400	12376	216.650	-56.500	216.650	1.8218	1.3664	1.7979	2.9294	2.3914
12500	12475	216.650	-56.500	216.650	1.7934	1.3451	1.7699	2.8838	2.3541
12600	12575	216.650	-56.500	216.650	1.7654	1.3242	1.7423	2.8388	2.3174
12700	12675	216.650	-56.500	216.650	1.7379	1.3035	1.7152	2.7946	2.2813
12800	12774	216.650	-56.500	216.650	1.7108	1.2832	1.6884	2.7510	2.2457
12900	12874	216.650	-56.500	216.650	1.6842	1.2632	1.6621	2.7082	2.2107
13000	12973	216.650	-56.500	216.650	1.6579 + 2	1.2435 + 2	1.6362 - 1	2.6660 - 1	2.1763 - 1
13100	13073	216.650	-56.500	216.650	1.6321	1.2241	1.6107	2.6244	2.1424
13200	13173	216.650	-56.500	216.650	1.6066	1.2051	1.5856	2.5835	2.1090
13300	13272	216.650	-56.500	216.650	1.5816	1.1863	1.5609	2.5433	2.0761
13400	13372	216.650	-56.500	216.650	1.5570	1.1678	1.5366	2.5037	2.0438
13500	13471	216.650	-56.500	216.650	1.5327	1.1496	1.5127	2.4646	2.0120
13600	13571	216.650	-56.500	216.650	1.5088	1.1317	1.4891	2.4263	1.9806
13700	13671	216.650	-56.500	216.650	1.4853	1.1141	1.4659	2.3885	1.9498
13800	13770	216.650	-56.500	216.650	1.4622	1.0967	1.4431	2.3512	1.9194
13900	13870	216.650	-56.500	216.650	1.4394	1.0796	1.4206	2.3146	1.8895
14000	13969	216.650	-56.500	216.650	1.4170 + 2	1.0628 + 2	1.3985 - 1	2.2786 - 1	1.8601 - 1
14100	14069	216.650	-56.500	216.650	1.3949	1.0463	1.3767	2.2431	1.8311
14200	14168	216.650	-56.500	216.650	1.3732	1.0300	1.3552	2.2081	1.8026
14300	14268	216.650	-56.500	216.650	1.3518	1.0139	1.3341	2.1737	1.7745
14400	14367	216.650	-56.500	216.650	1.3307	9.9817 + 1	1.3133	2.1399	1.7468
14500	14467	216.650	-56.500	216.650	1.3100	9.8262	1.2929	2.1066	1.7196
14600	14567	216.650	-56.500	216.650	1.2896	9.6732	1.2727	2.0737	1.6929
14700	14666	216.650	-56.500	216.650	1.2695	9.5226	1.2529	2.0414	1.6665
14800	14766	216.650	-56.500	216.650	1.2498	9.3743	1.2334	2.0097	1.6405
14900	14865	216.650	-56.500	216.650	1.2303	9.2283	1.2142	1.9784	1.6150
15000	14965	216.650	-56.500	216.650	1.2111 + 2	9.0846 + 1	1.1953 - 1	1.9476 - 1	1.5898 - 1
15100	15064	216.650	-56.500	216.650	1.1923	8.9431	1.1767	1.9172	1.5651
15200	15164	216.650	-56.500	216.650	1.1737	8.8038	1.1584	1.8874	1.5407
15300	15263	216.650	-56.500	216.650	1.1554	8.6668	1.1403	1.8580	1.5167
15400	15363	216.650	-56.500	216.650	1.1374	8.5318	1.1226	1.8291	1.4931
15500	15462	216.650	-56.500	216.650	1.1197	8.3990	1.1051	1.8006	1.4699
15600	15562	216.650	-56.500	216.650	1.1023	8.2682	1.0879	1.7725	1.4470
15700	15661	216.650	-56.500	216.650	1.0851	8.1395	1.0709	1.7449	1.4244
15800	15761	216.650	-56.500	216.650	1.0682	8.0128	1.0543	1.7178	1.4023
15900	15860	216.650	-56.500	216.650	1.0516	7.8880	1.0379	1.6910	1.3804
16000	15960	216.650	-56.500	216.650	1.0352 + 2	7.7652 + 1	1.0217 - 1	1.6647 - 1	1.3589 - 1
16100	16059	216.650	-56.500	216.650	1.0191	7.6443	1.0058	1.6388	1.3378
16200	16159	216.650	-56.500	216.650	1.0033	7.5253	9.9018 - 2	1.6133	1.3170
16300	16258	216.650	-56.500	216.650	9.8768 + 1	7.4082	9.7476	1.5882	1.2965
16400	16358	216.650	-56.500	216.650	9.7231	7.2929	9.5959	1.5635	1.2763
16500	16457	216.650	-56.500	216.650	9.5717	7.1794	9.4465	1.5391	1.2564
16600	16557	216.650	-56.500	216.650	9.4227	7.0676	9.2995	1.5152	1.2369
16700	16656	216.650	-56.500	216.650	9.2761	6.9576	9.1548	1.4916	1.2176
16800	16756	216.650	-56.500	216.650	9.1317	6.8493	9.0123	1.4684	1.1987
16900	16855	216.650	-56.500	216.650	8.9896	6.7427	8.8720	1.4455	1.1800
17000	16955	216.650	-56.500	216.650	8.8497 + 1	6.6378 + 1	8.7340 - 2	1.4230 - 1	1.1616 - 1
17100	17054	216.650	-56.500	216.650	8.7120	6.5345	8.5980	1.4009	1.1436
17200	17154	216.650	-56.500	216.650	8.5764	6.4328	8.4642	1.3791	1.1258
17300	17253	216.650	-56.500	216.650	8.4429	6.3327	8.3325	1.3576	1.1083
17400	17352	216.650	-56.500	216.650	8.3115	6.2342	8.2029	1.3365	1.0910
17500	17452	216.650	-56.500	216.650	8.1822	6.1372	8.0752	1.3157	1.0740
17600	17551	216.650	-56.500	216.650	8.0549	6.0417	7.9496	1.2952	1.0573
17700	17651	216.650	-56.500	216.650	7.9296	5.9477	7.8259	1.2751	1.0409
17800	17750	216.650	-56.500	216.650	7.8062	5.8551	7.7041	1.2552	1.0247
17900	17850	216.650	-56.500	216.650	7.6847	5.7640	7.5843	1.2357	1.0087
18000	17949	216.650	-56.500	216.650	7.5652 + 1	5.6743 + 1	7.4663 - 2	1.2165 - 1	9.9304 - 2
18100	18049	216.650	-56.500	216.650	7.4475	5.5861	7.3501	1.1975	9.7759
18200	18148	216.650	-56.500	216.650	7.3316	5.4992	7.2358	1.1789	9.6238
18300	18247	216.650	-56.500	216.650	7.2176	5.4136	7.1232	1.1606	9.4741
18400	18347	216.650	-56.500	216.650	7.1053	5.3294	7.0124	1.1425	9.3267
18500	18446	216.650	-56.500	216.650	6.9948	5.2465	6.9033	1.1248	9.1816
18600	18546	216.650	-56.500	216.650	6.8860	5.1649	6.7959	1.1073	9.0388
18700	18645	216.650	-56.500	216.650	6.7789	5.0845	6.6902	1.0900	8.8982
18800	18745	216.650	-56.500	216.650	6.6734	5.0055	6.5862	1.0731	8.7598
18900	18844	216.650	-56.500	216.650	6.5696	4.9276	6.4837	1.0564	8.6236

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Table I  
Geometric Altitude, Metric Units

Altitude		Temperature			Pressure			Density	
Z (m)	H (m)	T (K)	t (°C)	T <sub>M</sub> (K)	P (mb)	P (torr)	P/P <sub>0</sub>	ρ (kg/m <sup>3</sup> )	ρ/ρ <sub>0</sub>
19000	18943	216.650	-56.500	216.650	6.4674 + 1	4.8510 + 1	6.3829 - 2	1.0400 - 1	8.4894 - 2
19100	19043	216.650	-56.500	216.650	6.3669	4.7755	6.2836	1.0238	8.3574
19200	19142	216.650	-56.500	216.650	6.2678	4.7013	6.1859	1.0079	8.2274
19300	19242	216.650	-56.500	216.650	6.1704	4.6281	6.0897	9.9219 - 2	8.0995
19400	19341	216.650	-56.500	216.650	6.0744	4.5562	5.9950	9.7676	7.9735
19500	19440	216.650	-56.500	216.650	5.9799	4.4853	5.9017	9.6157	7.8495
19600	19540	216.650	-56.500	216.650	5.8870	4.4156	5.8100	9.4662	7.7275
19700	19639	216.650	-56.500	216.650	5.7954	4.3469	5.7196	9.3190	7.6073
19800	19739	216.650	-56.500	216.650	5.7053	4.2793	5.6307	9.1741	7.4890
19900	19838	216.650	-56.500	216.650	5.6166	4.2128	5.5431	9.0314	7.3726
20000	19937	216.650	-56.500	216.650	5.5293 + 1	4.1473 + 1	5.4570 - 2	8.8910 - 2	7.2580 - 2
20100	20037	216.687	-56.463	216.687	5.4433	4.0828	5.3721	8.7513	7.1439
20200	20136	216.786	-56.364	216.786	5.3587	4.0193	5.2886	8.6113	7.0297
20300	20235	216.885	-56.265	216.885	5.2755	3.9569	5.2065	8.4737	6.9173
20400	20335	216.985	-56.165	216.985	5.1936	3.8955	5.1256	8.3383	6.8068
20500	20434	217.084	-56.066	217.084	5.1130	3.8350	5.0461	8.2052	6.6981
20600	20533	217.183	-55.967	217.183	5.0336	3.7755	4.9678	8.0742	6.5912
20700	20633	217.283	-55.867	217.283	4.9556	3.7170	4.8908	7.9454	6.4860
20800	20732	217.382	-55.768	217.382	4.8788	3.6594	4.8150	7.8187	6.3826
20900	20832	217.482	-55.668	217.482	4.8033	3.6027	4.7404	7.6941	6.2809
21000	20931	217.581	-55.569	217.581	4.7289 + 1	3.5469 + 1	4.6671 - 2	7.5715 - 2	6.1808 - 2
21100	21030	217.680	-55.470	217.680	4.6557	3.4921	4.5948	7.4509	6.0824
21200	21130	217.780	-55.370	217.780	4.5837	3.4381	4.5238	7.3324	5.9856
21300	21229	217.879	-55.271	217.879	4.5129	3.3849	4.4538	7.2157	5.8904
21400	21328	217.978	-55.172	217.978	4.4431	3.3326	4.3850	7.1010	5.7967
21500	21428	218.078	-55.072	218.078	4.3745	3.2811	4.3173	6.9881	5.7046
21600	21527	218.177	-54.973	218.177	4.3070	3.2305	4.2507	6.8771	5.6140
21700	21626	218.276	-54.874	218.276	4.2405	3.1806	4.1851	6.7680	5.5249
21800	21725	218.375	-54.775	218.375	4.1751	3.1316	4.1205	6.6606	5.4372
21900	21825	218.475	-54.675	218.475	4.1108	3.0833	4.0570	6.5549	5.3509
22000	21924	218.574	-54.576	218.574	4.0475 + 1	3.0358 + 1	3.9945 - 2	6.4510 - 2	5.2661 - 2
22100	22023	218.673	-54.477	218.673	3.9851	2.9891	3.9330	6.3488	5.1827
22200	22123	218.773	-54.377	218.773	3.9238	2.9431	3.8725	6.2482	5.1006
22300	22222	218.872	-54.278	218.872	3.8634	2.8978	3.8129	6.1493	5.0198
22400	22321	218.971	-54.179	218.971	3.8040	2.8532	3.7543	6.0520	4.9404
22500	22421	219.071	-54.079	219.071	3.7455	2.8094	3.6966	5.9563	4.8623
22600	22520	219.170	-53.980	219.170	3.6880	2.7662	3.6398	5.8621	4.7854
22700	22619	219.269	-53.881	219.269	3.6314	2.7237	3.5839	5.7695	4.7098
22800	22719	219.369	-53.781	219.369	3.5757	2.6819	3.5289	5.6784	4.6354
22900	22818	219.468	-53.682	219.468	3.5208	2.6408	3.4748	5.5888	4.5622
23000	22917	219.567	-53.583	219.567	3.4668 + 1	2.6003 + 1	3.4215 - 2	5.5006 - 2	4.4903 - 2
23100	23016	219.666	-53.484	219.666	3.4137	2.5605	3.3690	5.4138	4.4195
23200	23116	219.766	-53.384	219.766	3.3614	2.5212	3.3174	5.3285	4.3498
23300	23215	219.865	-53.285	219.865	3.3099	2.4826	3.2666	5.2445	4.2813
23400	23314	219.964	-53.186	219.964	3.2593	2.4446	3.2167	5.1620	4.2138
23500	23413	220.063	-53.087	220.063	3.2094	2.4073	3.1675	5.0807	4.1475
23600	23513	220.163	-52.987	220.163	3.1604	2.3705	3.1190	5.0008	4.0823
23700	23612	220.262	-52.888	220.262	3.1121	2.3342	3.0714	4.9221	4.0181
23800	23711	220.361	-52.789	220.361	3.0645	2.2986	3.0245	4.8448	3.9549
23900	23810	220.460	-52.690	220.460	3.0177	2.2635	2.9783	4.7687	3.8928
24000	23910	220.560	-52.590	220.560	2.9717 + 1	2.2289 + 1	2.9328 - 2	4.6938 - 2	3.8317 - 2
24100	24009	220.659	-52.491	220.659	2.9264	2.1949	2.8881	4.6201	3.7715
24200	24108	220.758	-52.392	220.758	2.8818	2.1615	2.8441	4.5476	3.7124
24300	24207	220.857	-52.293	220.857	2.8379	2.1286	2.8007	4.4763	3.6542
24400	24307	220.957	-52.193	220.957	2.7946	2.0961	2.7581	4.4062	3.5969
24500	24406	221.056	-52.094	221.056	2.7521	2.0642	2.7161	4.3372	3.5405
24600	24505	221.155	-51.995	221.155	2.7102	2.0328	2.6748	4.2693	3.4851
24700	24604	221.254	-51.896	221.254	2.6690	2.0019	2.6341	4.2024	3.4306
24800	24704	221.354	-51.796	221.354	2.6284	1.9715	2.5940	4.1367	3.3769
24900	24803	221.453	-51.697	221.453	2.5885	1.9415	2.5546	4.0720	3.3241
25000	24902	221.552	-51.598	221.552	2.5492 + 1	1.9120 + 1	2.5158 - 2	4.0084 - 2	3.2722 - 2
25100	25001	221.651	-51.499	221.651	2.5105	1.8830	2.4776	3.9458	3.2210
25200	25100	221.750	-51.400	221.750	2.4724	1.8544	2.4401	3.8842	3.1708
25300	25200	221.850	-51.300	221.850	2.4349	1.8263	2.4031	3.8236	3.1213
25400	25299	221.949	-51.201	221.949	2.3980	1.7986	2.3666	3.7639	3.0726
25500	25398	222.048	-51.102	222.048	2.3617	1.7714	2.3308	3.7052	3.0247
25600	25497	222.147	-51.003	222.147	2.3259	1.7445	2.2955	3.6475	2.9776
25700	25597	222.247	-50.903	222.247	2.2907	1.7181	2.2607	3.5907	2.9312
25800	25696	222.346	-50.804	222.346	2.2560	1.6921	2.2265	3.5348	2.8855
25900	25795	222.445	-50.705	222.445	2.2219	1.6666	2.1929	3.4798	2.8406
26000	25894	222.544	-50.606	222.544	2.1883 + 1	1.6414 + 1	2.1597 - 2	3.4257 - 2	2.7965 - 2
26100	25993	222.643	-50.507	222.643	2.1553	1.6166	2.1271	3.3724	2.7530
26200	26092	222.742	-50.408	222.742	2.1227	1.5922	2.0950	3.3200	2.7102
26300	26192	222.842	-50.308	222.842	2.0907	1.5681	2.0633	3.2684	2.6681
26400	26291	222.941	-50.209	222.941	2.0591	1.5445	2.0322	3.2177	2.6267
26500	26390	223.040	-50.110	223.040	2.0281	1.5212	2.0016	3.1678	2.5859
26600	26489	223.139	-50.011	223.139	1.9975	1.4983	1.9714	3.1186	2.5458
26700	26588	223.238	-49.912	223.238	1.9674	1.4757	1.9417	3.0703	2.5064
26800	26687	223.337	-49.813	223.337	1.9378	1.4535	1.9125	3.0227	2.4675
26900	26787	223.437	-49.713	223.437	1.9086	1.4316	1.8837	2.9759	2.4293

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Table I  
Geometric Altitude, Metric Units

Altitude		Temperature			Pressure			Density	
Z (m)	H (m)	T (K)	t (°C)	T <sub>M</sub> (K)	P (mb)	P (torr)	P/P <sub>0</sub>	$\rho$ (kg/m <sup>3</sup> )	$\rho/\rho_0$
27000	26886	223.536	-49.614	223.536	1.8799 + 1	1.4100 + 1	1.8553 - 2	2.9298 - 2	2.3917 - 2
27100	26985	223.635	-49.515	223.635	1.8517	1.3888	1.8274	2.8845	2.3547
27200	27084	223.734	-49.416	223.734	1.8238	1.3680	1.8000	2.8399	2.3183
27300	27183	223.833	-49.317	223.833	1.7964	1.3474	1.7729	2.7960	2.2824
27400	27282	223.932	-49.218	223.932	1.7695	1.3272	1.7463	2.7528	2.2472
27500	27382	224.032	-49.118	224.032	1.7429	1.3073	1.7201	2.7103	2.2125
27600	27481	224.131	-49.019	224.131	1.7168	1.2877	1.6943	2.6684	2.1783
27700	27580	224.230	-48.920	224.230	1.6910	1.2684	1.6689	2.6273	2.1447
27800	27679	224.329	-48.821	224.329	1.6657	1.2493	1.6439	2.5867	2.1116
27900	27778	224.428	-48.722	224.428	1.6407	1.2306	1.6193	2.5469	2.0791
28000	27877	224.527	-48.623	224.527	1.6161 + 1	1.2122 + 1	1.5950 - 2	2.5076 - 2	2.0470 - 2
28100	27976	224.626	-48.524	224.626	1.5920	1.1941	1.5711	2.4690	2.0155
28200	28075	224.725	-48.425	224.725	1.5681	1.1762	1.5476	2.4310	1.9845
28300	28175	224.825	-48.325	224.825	1.5447	1.1586	1.5245	2.3936	1.9540
28400	28274	224.924	-48.226	224.924	1.5216	1.1413	1.5017	2.3568	1.9239
28500	28373	225.023	-48.127	225.023	1.4989	1.1242	1.4793	2.3206	1.8943
28600	28472	225.122	-48.028	225.122	1.4765	1.1075	1.4572	2.2849	1.8652
28700	28571	225.221	-47.929	225.221	1.4545	1.0909	1.4354	2.2498	1.8366
28800	28670	225.320	-47.830	225.320	1.4328	1.0747	1.4140	2.2153	1.8084
28900	28769	225.419	-47.731	225.419	1.4114	1.0586	1.3930	2.1813	1.7807
29000	28868	225.518	-47.632	225.518	1.3904 + 1	1.0429 + 1	1.3722 - 2	2.1478 - 2	1.7533 - 2
29100	28967	225.617	-47.533	225.617	1.3697	1.0273	1.3517	2.1149	1.7265
29200	29066	225.716	-47.434	225.716	1.3493	1.0120	1.3316	2.0825	1.7000
29300	29166	225.816	-47.334	225.816	1.3292	9.9700 + 0	1.3118	2.0506	1.6740
29400	29265	225.915	-47.235	225.915	1.3094	9.8217	1.2923	2.0192	1.6484
29500	29364	226.014	-47.136	226.014	1.2899	9.6757	1.2731	1.9883	1.6231
29600	29463	226.113	-47.037	226.113	1.2708	9.5319	1.2542	1.9579	1.5983
29700	29562	226.212	-46.938	226.212	1.2519	9.3903	1.2355	1.9280	1.5739
29800	29661	226.311	-46.839	226.311	1.2333	9.2509	1.2172	1.8986	1.5498
29900	29760	226.410	-46.740	226.410	1.2150	9.1136	1.1991	1.8696	1.5262
30000	29859	226.509	-46.641	226.509	1.1970 + 1	8.9784 + 0	1.1813 - 2	1.8410 - 2	1.5029 - 2
30100	29958	226.608	-46.542	226.608	1.1792	8.8453	1.1638	1.8129	1.4799
30200	30057	226.707	-46.443	226.707	1.1618	8.7142	1.1466	1.7853	1.4574
30300	30156	226.806	-46.344	226.806	1.1445	8.5851	1.1296	1.7581	1.4352
30400	30255	226.905	-46.245	226.905	1.1276	8.4580	1.1129	1.7313	1.4133
30500	30354	227.004	-46.146	227.004	1.1109	8.3329	1.0964	1.7049	1.3918
30600	30453	227.103	-46.047	227.103	1.0945	8.2096	1.0802	1.6790	1.3706
30700	30552	227.202	-45.948	227.202	1.0783	8.0882	1.0642	1.6534	1.3497
30800	30651	227.301	-45.849	227.301	1.0624	7.9687	1.0485	1.6283	1.3292
30900	30751	227.401	-45.749	227.401	1.0467	7.8510	1.0330	1.6035	1.3090
31000	30850	227.500	-45.650	227.500	1.0312 + 1	7.7351 + 0	1.0177 - 2	1.5792 - 2	1.2891 - 2
31100	30949	227.599	-45.551	227.599	1.0160	7.6209	1.0027	1.5552	1.2695
31200	31048	227.698	-45.452	227.698	1.0010	7.5085	9.8796 - 3	1.5316	1.2503
31300	31147	227.797	-45.353	227.797	9.8629 + 0	7.3978	9.7339	1.5083	1.2313
31400	31246	227.896	-45.254	227.896	9.7175	7.2887	9.5905	1.4855	1.2126
31500	31345	227.995	-45.155	227.995	9.5744	7.1814	9.4492	1.4629	1.1942
31600	31444	228.094	-45.056	228.094	9.4334	7.0756	9.3101	1.4408	1.1761
31700	31543	228.193	-44.957	228.193	9.2946	6.9715	9.1730	1.4190	1.1583
31800	31642	228.292	-44.858	228.292	9.1579	6.8690	9.0381	1.3975	1.1408
31900	31741	228.391	-44.759	228.391	9.0232	6.7680	8.9052	1.3763	1.1235
32000	31840	228.490	-44.660	228.490	8.8906 + 0	6.6685 + 0	8.7743 - 3	1.3555 - 2	1.1065 - 2
32100	32038	228.589	-44.561	228.589	8.7592	6.5741	8.6474	1.3345	1.0730
32200	32137	228.688	-44.462	228.688	8.6287	6.4807	8.5206	1.3131	1.0393
32300	32236	228.787	-44.363	228.787	8.4982	6.3873	8.3937	1.2922	1.0067
32400	32335	228.886	-44.264	228.886	8.3677	6.2939	8.2668	1.2713	9.7518 - 3
32500	32434	228.985	-44.165	228.985	8.2372	6.2005	8.1399	1.2504	9.4474
32600	32533	229.084	-44.066	229.084	8.1067	6.1071	8.0130	1.2295	9.1532
32700	32632	229.183	-43.967	229.183	7.9762	6.0137	7.8861	1.2086	8.8688
32800	32731	229.282	-43.868	229.282	7.8457	5.9203	7.7550	1.1877	8.5939
32900	32830	229.381	-43.769	229.381	7.7152	5.8269	7.6245	1.1668	8.3282
33000	32929	229.480	-43.670	229.480	7.5847	5.7335	7.4939	1.1459	
33100	33028	229.579	-43.571	229.579	7.4542	5.6401	7.3634	1.1250	
33200	33127	229.678	-43.472	229.678	7.3237	5.5467	7.2329	1.1041	
33300	33226	229.777	-43.373	229.777	7.1932	5.4533	7.1024	1.0832	
33400	33325	229.876	-43.274	229.876	7.0627	5.3599	6.9719	1.0623	
33500	33424	229.975	-43.175	229.975	6.9322	5.2665	6.8414	1.0414	
33600	33523	230.074	-43.076	230.074	6.8017	5.1731	6.7109	1.0205	
33700	33622	230.173	-42.977	230.173	6.6712	5.0797	6.5804	1.0000	
33800	33721	230.272	-42.878	230.272	6.5407	4.9863	6.4500	0.9795	
33900	33820	230.371	-42.779	230.371	6.4102	4.8929	6.3195	0.9590	
34000	33919	230.470	-42.680	230.470	6.2797	4.7995	6.1890	0.9385	
34100	34018	230.569	-42.581	230.569	6.1492	4.7061	6.0585	0.9180	
34200	34117	230.668	-42.482	230.668	6.0187	4.6127	5.9280	0.8975	
34300	34216	230.767	-42.383	230.767	5.8882	4.5193	5.7975	0.8770	
34400	34315	230.866	-42.284	230.866	5.7577	4.4259	5.6670	0.8565	
34500	34414	230.965	-42.185	230.965	5.6272	4.3325	5.5365	0.8360	
34600	34513	231.064	-42.086	231.064	5.4967	4.2391	5.4060	0.8155	
34700	34612	231.163	-41.987	231.163	5.3662	4.1457	5.2755	0.7950	
34800	34711	231.262	-41.888	231.262	5.2357	4.0523	5.1450	0.7745	
34900	34810	231.361	-41.789	231.361	5.1052	3.9589	5.0145	0.7540	
35000	34909	231.460	-41.690	231.460	4.9747	3.8655	4.8840	0.7335	
35100	35008	231.559	-41.591	231.559	4.8442	3.7721	4.7535	0.7130	
35200	35107	231.658	-41.492	231.658	4.7137	3.6787	4.6230	0.6925	
35300	35206	231.757	-41.393	231.757	4.5832	3.5853	4.4925	0.6720	
35400	35305	231.856	-41.294	231.856	4.4527	3.4919	4.3620	0.6515	
35500	35404	231.955	-41.195	231.955	4.3222	3.3985	4.2315	0.6310	
35600	35503	232.054	-41.096	232.054	4.1917	3.3051	4.1010	0.6105	
35700	35602	232.153	-40.997	232.153	4.0612	3.2117	3.9705	0.5900	
35800	35701	232.252	-40.898	232.252	3.9307	3.1183	3.8400	0.5695	
35900	35800	232.351	-40.799	232.351	3.8002	3.0249	3.7095	0.5490	
36000	35899	232.450	-40.700	232.450	3.6697	2.9315	3.5790	0.5285	
36100	35998	232.549	-40.601	232.549	3.5392	2.8381	3.4485	0.5080	
36200	36097	232.648	-40.502	232.648	3.4087	2.7447	3.3180	0.4875	
36300	36196	232.747	-40.403	232.747	3.2782	2.6513	3.1875	0.4670	
36400	36295	232.846	-40.304	232.846	3.1477	2.5579	3.0570	0.4465	
36500	36394	232.945	-40.205	232.945	3.0172	2.4645	2.9265	0.4260	
36600	36493	233.044	-40.106	233.044	2.8867	2.3711	2.7960	0.4055	
36700	36592	233.143	-40.007	233.143	2.7562	2.2777	2.6655	0.3850	
36800	36691	233.242	-39.908	233.242	2.6257	2.1843	2.5350	0.3645	
36900	36790	233.341	-39.809	233.341	2.4952	2.0909	2.4045	0.3440	
37000	36889	233.440	-39.710	233.440	2.3647	2.0000	2.2740	0.3235	
37100	36988	233.539	-39.611	233.539	2.2342	1.9066	2.1435	0.3030	
37200	37087	233.638	-39.512	233.638	2.1037	1.8132	2.0130	0.2825	
37300	37186	233.737	-39.413	233.737	1.9732	1.7198	1.8825	0.2620	
37400	37285	233.836	-39.314	233.836	1.8427	1.6264	1.7520	0.2415	
37500	37384	233.935	-39.215	233.935	1.7122	1.5330	1.6215	0.2210	
37600	37483	234.034	-39.116	234.034	1.5817	1.4396			

Table I  
Geometric Altitude, Metric Units

Altitude		Temperature			Pressure			Density	
Z (m)	H (m)	T (K)	t (°C)	T <sub>M</sub> (K)	P (mb)	P (torr)	P/P <sub>0</sub>	$\rho$ (kg/m <sup>3</sup> )	$\rho/\rho_0$
38000	37774	244.818	-28.332	244.818	3.7713 + 0	2.8287 + 0	3.7220 - 3	5.3666 - 3	4.3809 - 3
38200	37972	245.371	-27.779	245.371	3.6689	2.7519	3.6209	5.2090	4.2522
38400	38169	245.924	-27.226	245.924	3.5694	2.6773	3.5227	5.0564	4.1277
38600	38367	246.478	-26.672	246.478	3.4729	2.6049	3.4275	4.9086	4.0070
38800	38565	247.031	-26.119	247.031	3.3792	2.5346	3.3350	4.7654	3.8901
39000	38762	247.584	-25.566	247.584	3.2882	2.4663	3.2452	4.6268	3.7769
39200	38960	248.137	-25.013	248.137	3.1998	2.4001	3.1580	4.4924	3.6673
39400	39157	248.690	-24.460	248.690	3.1141	2.3357	3.0734	4.3623	3.5611
39600	39355	249.243	-23.907	249.243	3.0308	2.2733	2.9912	4.2362	3.4581
39800	39552	249.797	-23.353	249.797	2.9499	2.2126	2.9114	4.1141	3.3584
40000	39750	250.350	-22.800	250.350	2.8714 + 0	2.1537 + 0	2.8338 - 3	3.9957 - 3	3.2618 - 3
40200	39947	250.903	-22.247	250.903	2.7951	2.0965	2.7586	3.8810	3.1681
40400	40145	251.456	-21.694	251.456	2.7210	2.0409	2.6855	3.7698	3.0774
40600	40342	252.008	-21.142	252.008	2.6491	1.9870	2.6144	3.6621	2.9894
40800	40540	252.561	-20.589	252.561	2.5792	1.9345	2.5455	3.5576	2.9042
41000	40737	253.114	-20.036	253.114	2.5113	1.8836	2.4784	3.4564	2.8216
41200	40935	253.667	-19.483	253.667	2.4453	1.8341	2.4133	3.3583	2.7415
41400	41132	254.220	-18.930	254.220	2.3812	1.7861	2.3501	3.2632	2.6638
41600	41330	254.773	-18.377	254.773	2.3189	1.7393	2.2886	3.1709	2.5885
41800	41527	255.325	-17.825	255.325	2.2584	1.6939	2.2289	3.0815	2.5155
42000	41724	255.878	-17.272	255.878	2.1996 + 0	1.6498 + 0	2.1709 - 3	2.9948 - 3	2.4447 - 3
42200	41922	256.431	-16.719	256.431	2.1425	1.6070	2.1145	2.9107	2.3761
42400	42119	256.983	-16.167	256.983	2.0869	1.5653	2.0596	2.8291	2.3095
42600	42316	257.536	-15.614	257.536	2.0329	1.5248	2.0064	2.7500	2.2449
42800	42514	258.088	-15.062	258.088	1.9805	1.4855	1.9546	2.6733	2.1823
43000	42711	258.641	-14.509	258.641	1.9295	1.4472	1.9042	2.5989	2.1216
43200	42908	259.193	-13.957	259.193	1.8799	1.4100	1.8553	2.5267	2.0626
43400	43106	259.746	-13.404	259.746	1.8317	1.3739	1.8077	2.4567	2.0055
43600	43303	260.298	-12.852	260.298	1.7848	1.3387	1.7615	2.3887	1.9500
43800	43500	260.851	-12.299	260.851	1.7392	1.3045	1.7165	2.3228	1.8962
44000	43698	261.403	-11.747	261.403	1.6949 + 0	1.2713 + 0	1.6728 - 3	2.2589 - 3	1.8440 - 3
44200	43895	261.955	-11.195	261.955	1.6518	1.2390	1.6302	2.1968	1.7933
44400	44092	262.508	-10.642	262.508	1.6099	1.2075	1.5889	2.1366	1.7441
44600	44289	263.060	-10.090	263.060	1.5692	1.1770	1.5486	2.0781	1.6964
44800	44486	263.612	-9.538	263.612	1.5295	1.1472	1.5095	2.0214	1.6501
45000	44684	264.164	-8.986	264.164	1.4910	1.1183	1.4715	1.9663	1.6051
45200	44881	264.716	-8.434	264.716	1.4535	1.0902	1.4345	1.9128	1.5615
45400	45078	265.268	-7.882	265.268	1.4170	1.0628	1.3984	1.8609	1.5191
45600	45275	265.821	-7.329	265.821	1.3815	1.0362	1.3634	1.8106	1.4780
45800	45472	266.373	-6.777	266.373	1.3470	1.0103	1.3293	1.7616	1.4381
46000	45669	266.925	-6.225	266.925	1.3134 + 0	9.8513 - 1	1.2962 - 3	1.7142 - 3	1.3993 - 3
46200	45867	267.477	-5.673	267.477	1.2807	9.6061	1.2639	1.6680	1.3617
46400	46064	268.028	-5.122	268.028	1.2489	9.3675	1.2325	1.6233	1.3251
46600	46261	268.580	-4.570	268.580	1.2179	9.1354	1.2020	1.5798	1.2896
46800	46458	269.132	-4.018	269.132	1.1878	8.9094	1.1722	1.5375	1.2551
47000	46655	269.684	-3.466	269.684	1.1585	8.6895	1.1433	1.4965	1.2217
47200	46852	270.236	-2.914	270.236	1.1299	8.4755	1.1152	1.4567	1.1891
47400	47049	270.788	-2.362	270.788	1.1022	8.2671	1.0877	1.4187	1.1581
47600	47246	271.340	-1.810	271.340	1.0751	8.0641	1.0610	1.3839	1.1297
47800	47443	271.892	-1.258	271.892	1.0487	7.8660	1.0350	1.3499	1.1019
48000	47640	272.444	-0.706	272.444	1.0229 + 0	7.6728 - 1	1.0095 - 3	1.3167 - 3	1.0749 - 3
48200	47837	272.996	-0.154	272.996	9.9783 - 1	7.4843	9.8478 - 4	1.2844	1.0485
48400	48034	273.548	0.398	273.548	9.7332	7.3005	9.6059	1.2528	1.0227
48600	48231	274.100	0.946	274.100	9.4942	7.1212	9.3700	1.2221	9.9760 - 4
48800	48428	274.652	1.494	274.652	9.2610	6.9463	9.1399	1.1920	9.7310
49000	48625	275.204	2.042	275.204	9.0336	6.7758	8.9155	1.1628	9.4920
49200	48822	275.756	2.590	275.756	8.8118	6.6094	8.6966	1.1342	9.2590
49400	49019	276.308	3.138	276.308	8.5955	6.4471	8.4831	1.1064	9.0317
49600	49216	276.860	3.686	276.860	8.3845	6.2889	8.2748	1.0792	8.8099
49800	49413	277.412	4.234	277.412	8.1786	6.1345	8.0717	1.0527	8.5937
50000	49610	277.964	4.782	277.964	7.9779 - 1	5.9839 - 1	7.8735 - 4	1.0269 - 3	8.3827 - 4
50500	50102	279.060	5.878	279.060	7.4973	5.6234	7.3993	9.6503 - 4	7.8778
51000	50594	279.650	6.468	279.650	7.0458	5.2847	6.9536	9.0690	7.4033
51500	51086	279.409	6.214	279.409	6.6214	4.9665	6.5349	8.5305	6.9637
52000	51578	269.031	4.119	269.031	6.2214	4.6664	6.1401	8.0562	6.5765
52500	52070	267.654	5.496	267.654	5.8438	4.3832	5.7674	7.6061	6.2091
53000	52562	266.277	6.873	266.277	5.4873	4.1158	5.4156	7.1791	5.8605
53500	53053	264.900	8.250	264.900	5.1510	3.8636	5.0836	6.7741	5.5299
54000	53545	263.524	9.626	263.524	4.8337	3.6256	4.7705	6.3901	5.2164
54500	54037	262.147	11.003	262.147	4.5345	3.4012	4.4752	6.0260	4.9192
55000	54528	260.771	12.379	260.771	4.2525 - 1	3.1896 - 1	4.1969 - 4	5.6810 - 4	4.6376 - 4
55500	55020	259.395	13.755	259.395	3.9866	2.9902	3.9345	5.3541	4.3707
56000	55511	258.019	15.131	258.019	3.7362	2.8024	3.6873	5.0445	4.1180
56500	56002	256.644	16.506	256.644	3.5003	2.6254	3.4545	4.7513	3.8786
57000	56493	255.268	17.882	255.268	3.2782	2.4588	3.2353	4.4738	3.6521
57500	56985	253.893	19.257	253.893	3.0691	2.3020	3.0289	4.2112	3.4377
58000	57476	252.518	20.632	252.518	2.8723	2.1544	2.8348	3.9627	3.2348
58500	57967	251.144	22.006	251.144	2.6872	2.0156	2.6521	3.7276	3.0430
59000	58457	249.769	23.381	249.769	2.5132	1.8850	2.4803	3.5054	2.8615
59500	58948	248.395	24.755	248.395	2.3496	1.7623	2.3189	3.2953	2.6900



Table I  
Geometric Altitude, Metric Units

Altitude		Temperature			Pressure			Density						
Z (m)	H (m)	T (K)	t (°C)	T <sub>M</sub> (K)	P (mb)	P (torr)	P/P <sub>0</sub>	ρ (kg/m <sup>3</sup> )	ρ/ρ <sub>0</sub>					
60000	59439	247.021	-26.129	247.021	2.1958	- 1	1.6470	- 1	2.1671	- 4	3.0968	- 4	2.5280	- 4
60500	59930	245.647	-27.503	245.647	2.0514	- 1	1.5386	- 1	2.0245	- 4	2.9093	- 4	2.3749	- 4
61000	60420	244.274	-28.876	244.274	1.9157	- 1	1.4369	- 1	1.8907	- 4	2.7321	- 4	2.2303	- 4
61500	60911	242.900	-30.250	242.900	1.7883	- 1	1.3414	- 1	1.7650	- 4	2.5649	- 4	2.0938	- 4
62000	61401	241.527	-31.623	241.527	1.6688	- 1	1.2517	- 1	1.6470	- 4	2.4071	- 4	1.9650	- 4
62500	61891	240.154	-32.996	240.154	1.5567	- 1	1.1676	- 1	1.5363	- 4	2.2582	- 4	1.8434	- 4
63000	62382	238.781	-34.369	238.781	1.4515	- 1	1.0887	- 1	1.4325	- 4	2.1178	- 4	1.7288	- 4
63500	62872	237.409	-35.741	237.409	1.3529	- 1	1.0148	- 1	1.3352	- 4	1.9853	- 4	1.6207	- 4
64000	63362	236.036	-37.114	236.036	1.2605	- 2	9.4551	- 2	1.2441	- 4	1.8605	- 4	1.5188	- 4
64500	63852	234.664	-38.486	234.664	1.1740	- 2	8.8059	- 2	1.1586	- 4	1.7429	- 4	1.4228	- 4
65000	64342	233.292	-39.858	233.292	1.0929	- 1	8.1979	- 2	1.0786	- 4	1.6321	- 4	1.3323	- 4
65500	64832	231.921	-41.229	231.921	1.0170	- 2	7.6288	- 2	1.0037	- 4	1.5278	- 4	1.2472	- 4
66000	65322	230.549	-42.601	230.549	9.4609	- 2	7.0962	- 2	9.3372	- 5	1.4296	- 4	1.1670	- 4
66500	65811	229.178	-43.972	229.178	8.7967	- 2	6.5981	- 2	8.6817	- 5	1.3372	- 4	1.0916	- 4
67000	66301	227.807	-45.343	227.807	8.1757	- 2	6.1323	- 2	8.0688	- 5	1.2503	- 4	1.0206	- 4
67500	66791	226.436	-46.714	226.436	7.5953	- 2	5.6969	- 2	7.4959	- 5	1.1685	- 4	9.5390	- 5
68000	67280	225.065	-48.085	225.065	7.0529	- 2	5.2901	- 2	6.9607	- 5	1.0917	- 4	8.9118	- 5
68500	67770	223.695	-49.455	223.695	6.5465	- 2	4.9102	- 2	6.4609	- 5	1.0195	- 4	8.3225	- 5
69000	68259	222.325	-50.825	222.325	6.0736	- 2	4.5556	- 2	5.9942	- 5	9.5171	- 5	7.7690	- 5
69500	68748	220.955	-52.195	220.955	5.6324	- 2	4.2247	- 2	5.5588	- 5	8.8804	- 5	7.2493	- 5
70000	69238	219.585	-53.565	219.585	5.2209	- 2	3.9160	- 2	5.1526	- 5	8.2829	- 5	6.7616	- 5
70500	69727	218.215	-54.935	218.215	4.8372	- 2	3.6282	- 2	4.7739	- 5	7.7223	- 5	6.3039	- 5
71000	70216	216.846	-56.304	216.846	4.4795	- 2	3.3599	- 2	4.4210	- 5	7.1966	- 5	5.8747	- 5
71500	70705	215.477	-57.673	215.477	4.1464	- 2	3.1100	- 2	4.0922	- 5	6.7037	- 5	5.4724	- 5
72000	71194	214.263	-58.887	214.263	3.8362	- 2	2.8774	- 2	3.7861	- 5	6.2374	- 5	5.0917	- 5
72500	71682	213.285	-59.865	213.285	3.5479	- 2	2.6612	- 2	3.5015	- 5	5.7951	- 5	4.7307	- 5
73000	72171	212.308	-60.842	212.308	3.2802	- 2	2.4603	- 2	3.2373	- 5	5.3824	- 5	4.3938	- 5
73500	72660	211.330	-61.820	211.330	3.0316	- 2	2.2739	- 2	2.9919	- 5	4.9975	- 5	4.0796	- 5
74000	73148	210.353	-62.797	210.353	2.8008	- 2	2.1008	- 2	2.7642	- 5	4.6386	- 5	3.7866	- 5
74500	73637	209.376	-63.774	209.376	2.5867	- 2	1.9402	- 2	2.5529	- 5	4.3040	- 5	3.5134	- 5
75000	74125	208.399	-64.751	208.399	2.3881	- 2	1.7912	- 2	2.3569	- 5	3.9921	- 5	3.2589	- 5
75500	74614	207.423	-65.727	207.423	2.2040	- 2	1.6531	- 2	2.1751	- 5	3.7016	- 5	3.0218	- 5
76000	75102	206.446	-66.704	206.446	2.0333	- 2	1.5251	- 2	2.0067	- 5	3.4311	- 5	2.8009	- 5
76500	75590	205.469	-67.681	205.469	1.8751	- 2	1.4064	- 2	1.8506	- 5	3.1792	- 5	2.5953	- 5
77000	76078	204.493	-68.657	204.493	1.7286	- 2	1.2965	- 2	1.7060	- 5	2.9448	- 5	2.4039	- 5
77500	76566	203.517	-69.633	203.517	1.5929	- 2	1.1948	- 2	1.5721	- 5	2.7267	- 5	2.2259	- 5
78000	77054	202.541	-70.609	202.541	1.4673	- 2	1.1006	- 2	1.4481	- 5	2.5239	- 5	2.0603	- 5
78500	77542	201.565	-71.585	201.565	1.3511	- 2	1.0134	- 2	1.3335	- 5	2.3353	- 5	1.9063	- 5
79000	78030	200.590	-72.560	200.590	1.2437	- 3	9.3285	- 3	1.2274	- 5	2.1600	- 5	1.7632	- 5
79500	78518	199.614	-73.536	199.614	1.1443	- 3	8.5832	- 3	1.1293	- 5	1.9971	- 5	1.6303	- 5
80000	79006	198.639	-74.511	198.639	1.0524	- 2	7.8942	- 3	1.0387	- 5	1.8458	- 5	1.5068	- 5
80500	79493	197.663	-75.487	197.663	9.6761	- 3	7.2577	- 3	9.5496	- 6	1.7054	- 5	1.3921	- 5
81000	79981	196.688	-76.462	196.688	8.8923	- 3	6.6698	- 3	8.7761	- 6	1.5750	- 5	1.2857	- 5
81500	80468	195.713	-77.437	195.713	8.1687	- 3	6.1270	- 3	8.0619	- 6	1.4540	- 5	1.1870	- 5
82000	80956	194.739	-78.411	194.739	7.5009	- 3	5.6261	- 3	7.4028	- 6	1.3418	- 5	1.0954	- 5
82500	81443	193.764	-79.386	193.764	6.8848	- 3	5.1640	- 3	6.7948	- 6	1.2378	- 5	1.0105	- 5
83000	81930	192.790	-80.360	192.790	6.3167	- 3	4.7379	- 3	6.2341	- 6	1.1414	- 5	9.3178	- 6
83500	82417	191.815	-81.335	191.815	5.7930	- 3	4.3451	- 3	5.7172	- 6	1.0521	- 5	8.5887	- 6
84000	82904	190.841	-82.309	190.841	5.3105	- 3	3.9832	- 3	5.2410	- 6	9.6940	- 6	7.9134	- 6
84500	83391	189.867	-83.283	189.867	4.8660	- 3	3.6498	- 3	4.8024	- 6	8.9282	- 6	7.2883	- 6
85000	83878	188.893	-84.257	188.893	4.4568	- 3	3.3429	- 3	4.3985	- 6	8.2196	- 6	6.7099	- 6
85500	84365	187.920	-85.230	187.920	4.0802	- 3	3.0604	- 3	4.0269	- 6	7.5641	- 6	6.1747	- 6

Table I  
Geometric Altitude, Metric Units

Altitude		Temperature			Pressure			Density	
Z (m)	H (m)	T (K)	t (°C)	T <sub>M</sub> (K)	P (mb)	P (torr)	P/P <sub>0</sub>	ρ (kg/m <sup>3</sup> )	ρ/ρ <sub>0</sub>
86000	84852	186.87	-86.28	186.95	3.7338-	3 2.8006-	3 3.6850-	6 6.958-	6 5.680-
86500	85339	186.87	-86.28	186.96	3.4163	2.5624	3.3716	6.366	5.196
87000	85825	186.87	-86.28	186.98	3.1259	2.3446	3.0850	5.824	4.754
87500	86312	186.87	-86.28	187.00	2.8602	2.1454	2.8228	5.328	4.350
88000	86798	186.87	-86.28	187.03	2.6173	1.9631	2.5831	4.875	3.980
88500	87285	186.87	-86.28	187.06	2.3951	1.7965	2.3638	4.460	3.641
89000	87771	186.87	-86.28	187.11	2.1919	1.6440	2.1632	4.081	3.331
89500	88257	186.87	-86.28	187.16	2.0060	1.5046	1.9797	3.734	3.048
90000	88744	186.87	-86.28	187.21	1.8359-	3 1.3771-	3 1.8119-	6 3.416-	6 2.789-
90500	89230	186.87	-86.28	187.28	1.6804	1.2604	1.6584	3.126	2.552
91000	89716	186.87	-86.28	187.36	1.5381	1.1536	1.5179	2.860	2.335
91500	90202	186.89	-86.26	187.47	1.4078	1.0560	1.3894	2.616	2.136
92000	90688	186.96	-86.19	187.64	1.2887	9.6662-	4 1.2719	2.393	1.953
92500	91173	187.08	-86.07	187.87	1.1798	8.8490	1.1643	2.188	1.786
93000	91659	187.25	-85.90	188.16	1.0801	8.1014	1.0660	2.000	1.632
93500	92145	187.47	-85.68	188.51	9.8896-	4 7.4178	7 9.7602-	1.828	1.492
94000	92630	187.74	-85.41	188.92	9.0560	6.7925	8.9375	1.670	1.363
94500	93116	188.05	-85.10	189.39	8.2937	6.2208	8.1852	1.526	1.245
95000	93601	188.42	-84.73	189.92	7.5966-	4 5.6979-	4 7.4973-	7 1.393-	6 1.137-
95500	94087	188.84	-84.31	190.52	6.9592	5.2199	6.8682	1.273	1.039
96000	94572	189.31	-83.84	191.17	6.3765	4.7828	6.2932	1.162	9.486-
96500	95057	189.83	-83.32	191.90	5.8439	4.3833	5.7675	1.061	8.660
97000	95542	190.40	-82.75	192.69	5.3571	4.0181	5.2870	9.685-	7 7.906
97500	96027	191.04	-82.11	193.55	4.9122	3.6844	4.8480	8.842	7.218
98000	96512	191.72	-81.43	194.48	4.5057	3.3795	4.4468	8.071	6.588
98500	96997	192.47	-80.68	195.49	4.1342	3.1009	4.0802	7.367	6.014
99000	97482	193.28	-79.87	196.58	3.7948	2.8463	3.7452	6.725	5.490
99500	97967	194.15	-79.00	197.74	3.4846	2.6137	3.4390	6.139	5.011
100000	98451	195.08	-78.07	198.99	3.2011-	4 2.4010-	4 3.1593-	7 5.604-	7 4.575-
101000	99420	197.16	-75.99	201.75	2.7192	2.0396	2.6837	4.695	3.833
102000	100389	199.53	-73.62	204.88	2.3144	1.7359	2.2841	3.935	3.212
103000	101358	202.23	-70.92	208.42	1.9742	1.4808	1.9484	3.300	2.694
104000	102326	205.31	-67.84	212.41	1.6882	1.2663	1.6661	2.769	2.260
105000	103294	208.84	-64.31	216.93	1.4477	1.0859	1.4288	2.325	1.898
106000	104261	212.89	-60.26	222.09	1.2454	9.3411-	5 1.2291	1.954	1.595
107000	105229	217.63	-55.52	228.02	1.0751	8.0642	1.0611	1.643	1.341
108000	106196	223.29	-49.86	235.00	9.3188-	5 6.9897	9.1970-	1.381	1.128
109000	107162	230.33	-42.82	243.53	8.1142	6.0862	8.0081	1.161	9.475-
110000	108129	240.00	-33.15	254.93	7.1042-	5 5.3286-	5 7.0113-	8 9.708-	8 7.925-
111000	109095	252.00	-21.15	268.91	6.2614	4.6965	6.1796	8.111	6.622
112000	110061	264.00	-9.15	283.00	5.5547	4.1664	5.4821	6.838	5.582
113000	111026	276.00	2.85	297.17	4.9570	3.7180	4.8922	5.811	4.744
114000	111992	288.00	14.85	311.40	4.4473	3.3358	4.3892	4.975	4.061
115000	112957	300.00	26.85	325.69	4.0096	3.0075	3.9572	4.289	3.501
116000	113921	312.00	38.85	340.04	3.6312	2.7236	3.5837	3.720	3.037
117000	114885	324.00	50.85	354.43	3.3022	2.4768	3.2590	3.246	2.650
118000	115849	336.00	62.85	368.88	3.0144	2.2610	2.9750	2.847	2.324
119000	116813	348.00	74.85	383.37	2.7615	2.0713	2.7254	2.509	2.048
120000	117777	360.00	86.85	397.91	2.5382-	5 1.9038-	5 2.5050-	8 2.222-	8 1.814-
121000	118740	371.89	98.74	412.38	2.3401	1.7552	2.3095	1.977	1.614
122000	119703	383.55	110.40	426.66	2.1635	1.6228	2.1352	1.767	1.442
123000	120665	394.99	121.84	440.74	2.0055	1.5043	1.9793	1.585	1.294
124000	121627	406.22	133.07	454.64	1.8635	1.3977	1.8391	1.428	1.166
125000	122589	417.23	144.08	468.35	1.7354	1.3016	1.7127	1.291	1.054
126000	123551	428.04	154.89	481.89	1.6194	1.2147	1.5983	1.171	9.557-
127000	124512	438.64	165.49	495.26	1.5141	1.1357	1.4943	1.065	8.694
128000	125473	449.04	175.89	508.46	1.4183	1.0638	1.3997	9.717-	9 7.932
129000	126434	459.25	186.10	521.49	1.3307	9.9810-	6 1.3133	8.889	7.257
130000	127395	469.27	196.12	534.36	1.2505-	5 9.3795-	6 1.2341-	8 8.152-	9 6.655-
131000	128355	479.09	205.94	547.08	1.1769	8.8275	1.1615	7.494	6.118
132000	129315	488.74	215.59	559.64	1.1092	8.3196	1.0947	6.904	5.636
133000	130274	498.20	225.05	572.06	1.0468	7.8513	1.0331	6.374	5.204
134000	131234	507.48	234.33	584.32	9.8907-	6 7.4187	9.7614-	5.897	4.814
135000	132193	516.59	243.44	596.44	9.3568	7.0182	9.2345	5.465	4.461
136000	133151	525.53	252.38	608.42	8.8617	6.6468	8.7459	5.074	4.142
137000	134110	534.29	261.14	620.25	8.4018	6.3019	8.2919	4.719	3.852
138000	135068	542.90	269.75	631.95	7.9739	5.9809	7.8696	4.396	3.588
139000	136026	551.34	278.19	643.51	7.5751	5.6818	7.4760	4.101	3.348
140000	136983	559.63	286.48	654.94	7.2028-	6 5.4026-	6 7.1087-	9 3.831-	9 3.128-
141000	137940	567.76	294.61	666.23	6.8550	5.1416	6.7653	3.584	2.926
142000	138897	575.73	302.58	677.40	6.5294	4.8974	6.4440	3.358	2.741
143000	139854	583.56	310.41	688.44	6.2243	4.6686	6.1429	3.150	2.571
144000	140810	591.24	318.09	699.36	5.9380	4.4539	5.8604	2.958	2.415
145000	141766	598.78	325.63	710.15	5.6691	4.2522	5.5950	2.781	2.270
146000	142722	606.17	333.02	720.82	5.4162	4.0625	5.3454	2.618	2.137
147000	143677	613.43	340.28	731.38	5.1781	3.8839	5.1104	2.466	2.013
148000	144633	620.55	347.40	741.81	4.9538	3.7156	4.8890	2.326	1.899
149000	145587	627.54	354.39	752.14	4.7421	3.5569	4.6801	2.196	1.793

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Altitude		Temperature			Pressure			Density	
Z (m)	H (m)	T (K)	t (°C)	T <sub>M</sub> (K)	P (mb)	P (torr)	P/P <sub>0</sub>	ρ (kg/m <sup>3</sup> )	ρ/ρ <sub>0</sub>
150000	146542	634.39	361.24	762.35	4.5422- 6	3.4070- 6	4.4828- 9	2.076- 9	1.694- 9
151000	147496	641.12	367.97	772.45	4.3533	3.2653	4.2964	1.963	1.603
152000	148450	647.72	374.57	782.44	4.1746	3.1312	4.1200	1.859	1.517
153000	149404	654.20	381.05	792.32	4.0054	3.0043	3.9530	1.761	1.438
154000	150357	660.56	387.41	802.10	3.8451	2.8840	3.7948	1.670	1.363
155000	151311	666.80	393.65	811.77	3.6930	2.7700	3.6447	1.585	1.294
156000	152263	672.92	399.77	821.34	3.5487	2.6617	3.5023	1.505	1.229
157000	153216	678.93	405.78	830.81	3.4116	2.5589	3.3670	1.431	1.168
158000	154168	684.83	411.68	840.18	3.2813	2.4612	3.2384	1.361	1.111
159000	155120	690.61	417.46	849.45	3.1574	2.3683	3.1161	1.295	1.057
160000	156072	696.29	423.14	858.63	3.0395- 6	2.2798- 6	2.9997- 9	1.233- 9	1.007- 9
161000	157023	701.86	428.71	867.71	2.9272	2.1956	2.8889	1.175	9.593- 10
162000	157974	707.33	434.18	876.79	2.8201	2.1153	2.7833	1.121	9.148
163000	158925	712.70	439.55	885.60	2.7181	2.0387	2.6825	1.069	8.728
164000	159875	717.96	444.81	894.41	2.6207	1.9657	2.5864	1.021	8.333
165000	160826	723.13	449.98	903.13	2.5278	1.8960	2.4947	9.750- 10	7.959
166000	161775	728.20	455.05	911.77	2.4390	1.8294	2.4071	9.319	7.607
167000	162725	733.18	460.03	920.32	2.3541	1.7657	2.3233	8.911	7.274
168000	163674	738.07	464.92	928.78	2.2730	1.7049	2.2432	8.525	6.960
169000	164623	742.86	469.71	937.16	2.1953	1.6466	2.1666	8.161	6.662
170000	165572	747.57	474.42	945.46	2.1210- 6	1.5909- 6	2.0933- 9	7.815- 10	6.380- 10
171000	166521	752.18	479.03	953.68	2.0499	1.5375	2.0231	7.488	6.113
172000	167469	756.71	483.56	961.82	1.9817	1.4864	1.9558	7.178	5.859
173000	168417	761.16	488.01	969.89	1.9164	1.4374	1.8913	6.883	5.619
174000	169364	765.53	492.38	977.87	1.8537	1.3904	1.8295	6.604	5.391
175000	170311	769.81	496.66	985.78	1.7936	1.3453	1.7702	6.339	5.174
176000	171258	774.01	500.86	993.62	1.7360	1.3021	1.7132	6.086	4.968
177000	172205	778.14	504.99	1001.38	1.6806	1.2605	1.6586	5.846	4.773
178000	173151	782.19	509.04	1009.07	1.6274	1.2206	1.6061	5.618	4.586
179000	174098	786.17	513.02	1016.69	1.5763	1.1823	1.5557	5.401	4.409
180000	175043	790.07	516.92	1024.24	1.5271- 6	1.1455- 6	1.5072- 9	5.194- 10	4.240- 10
181000	175989	793.89	520.74	1031.72	1.4799	1.1100	1.4606	4.997	4.079
182000	176934	797.65	524.50	1039.13	1.4345	1.0759	1.4157	4.809	3.926
183000	177879	801.34	528.19	1046.47	1.3907	1.0431	1.3726	4.630	3.779
184000	178824	804.96	531.81	1053.75	1.3487	1.0116	1.3310	4.459	3.640
185000	179768	808.51	535.36	1060.96	1.3081	9.8117- 7	1.2910	4.295	3.506
186000	180712	812.00	538.85	1068.11	1.2691	9.5189	1.2525	4.139	3.379
187000	181656	815.42	542.27	1075.19	1.2315	9.2368	1.2154	3.990	3.257
188000	182600	818.78	545.63	1082.21	1.1952	8.9649	1.1796	3.847	3.141
189000	183543	822.08	548.93	1089.17	1.1603	8.7028	1.1451	3.711	3.029
190000	184486	825.31	552.16	1096.07	1.1266- 6	8.4499- 7	1.1118- 9	3.581- 10	2.923- 10
191000	185428	828.49	555.34	1102.90	1.0940	8.2060	1.0797	3.456	2.821
192000	186371	831.61	558.46	1109.68	1.0627	7.9707	1.0488	3.336	2.723
193000	187313	834.67	561.52	1116.40	1.0324	7.7435	1.0189	3.222	2.630
194000	188255	837.67	564.52	1123.06	1.0031	7.5242	9.9003- 10	3.112	2.540
195000	189196	840.62	567.47	1129.67	9.7491- 7	7.3124	9.6216	3.006	2.454
196000	190137	843.51	570.36	1136.21	9.4763	7.1078	9.3524	2.905	2.372
197000	191078	846.35	573.20	1142.71	9.2127	6.9101	9.0922	2.809	2.293
198000	192019	849.14	575.99	1149.14	8.9580	6.7190	8.8408	2.716	2.217
199000	192959	851.87	578.72	1155.52	8.7117	6.5343	8.5978	2.626	2.144
200000	193899	854.56	581.41	1161.85	8.4736- 7	6.3557- 7	8.3628- 10	2.541- 10	2.074- 10
201000	194839	857.20	584.05	1168.13	8.2432	6.1829	8.1355	2.458	2.007
202000	195779	859.78	586.63	1174.35	8.0204	6.0158	7.9156	2.379	1.942
203000	196718	862.32	589.17	1180.52	7.8048	5.8541	7.7028	2.303	1.880
204000	197657	864.82	591.67	1186.64	7.5962	5.6976	7.4968	2.230	1.820
205000	198595	867.26	594.11	1192.71	7.3942	5.5461	7.2975	2.160	1.763
206000	199534	869.67	596.52	1198.73	7.1986	5.3994	7.1045	2.092	1.708
207000	200472	872.02	598.87	1204.70	7.0092	5.2573	6.9175	2.027	1.655
208000	201410	874.34	601.19	1210.62	6.8257	5.1197	6.7364	1.964	1.603
209000	202347	876.61	603.46	1216.49	6.6479	4.9863	6.5610	1.904	1.554
210000	203284	878.84	605.69	1222.31	6.4756- 7	4.8571- 7	6.3910- 10	1.846- 10	1.507- 10
211000	204221	881.03	607.88	1228.09	6.3087	4.7319	6.2262	1.790	1.461
212000	205158	883.18	610.03	1233.82	6.1468	4.6105	6.0664	1.736	1.417
213000	206094	885.29	612.14	1239.50	5.9899	4.4928	5.9115	1.683	1.374
214000	207030	887.36	614.21	1245.14	5.8377	4.3786	5.7613	1.633	1.333
215000	207966	889.39	616.24	1250.73	5.6900	4.2679	5.6156	1.585	1.294
216000	208902	891.39	618.24	1256.27	5.5468	4.1604	5.4743	1.538	1.256
217000	209837	893.35	620.20	1261.77	5.4078	4.0562	5.3371	1.493	1.219
218000	210772	895.27	622.12	1267.23	5.2729	3.9550	5.2040	1.450	1.183
219000	211706	897.16	624.01	1272.65	5.1420	3.8568	5.0748	1.408	1.149
220000	212641	899.01	625.86	1278.02	5.0149- 7	3.7615- 7	4.9494- 10	1.367- 10	1.116- 10
221000	213575	900.83	627.68	1283.34	4.8915	3.6689	4.8276	1.328	1.084
222000	214509	902.62	629.47	1288.63	4.7717	3.5791	4.7093	1.290	1.053
223000	215442	904.37	631.22	1293.87	4.6553	3.4918	4.5944	1.253	1.023
224000	216375	906.09	632.94	1299.07	4.5422	3.4069	4.4828	1.218	9.943- 11
225000	217308	907.76	634.63	1304.23	4.4324	3.3245	4.3744	1.184	9.665
226000	218241	909.44	636.29	1309.35	4.3256	3.2445	4.2690	1.151	9.395
227000	219173	911.07	637.92	1314.43	4.2219	3.1667	4.1666	1.119	9.134
228000	220105	912.67	639.52	1319.47	4.1210	3.0910	4.0671	1.088	8.882
229000	221037	914.24	641.09	1324.47	4.0230	3.0175	3.9704	1.058	8.638

Table I  
Geometric Altitude, Metric Units

Altitude		Temperature			Pressure			Density	
Z (m)	H (m)	T (K)	t (°C)	T <sub>M</sub> (K)	P (mb)	P (torr)	P/P <sub>0</sub>	ρ (kg/m <sup>3</sup> )	ρ/ρ <sub>0</sub>
230000	221969	915.78	642.63	1329.43	3.9276-	2.9460-	3.8763- 10	1.029- 10	8.402- 11
231000	222900	917.29	644.14	1334.35	3.8349	2.8764	3.7848	1.001	8.173
232000	223831	918.78	645.63	1339.23	3.7448	2.8088	3.6958	9.741- 11	7.952
233000	224762	920.24	647.09	1344.07	3.6571	2.7430	3.6093	9.479	7.738
234000	225692	921.67	648.52	1348.87	3.5718	2.6791	3.5251	9.225	7.530
235000	226622	922.07	649.92	1353.64	3.4888	2.6168	3.4432	8.979	7.329
236000	227552	924.45	651.30	1358.37	3.4080	2.5562	3.3634	8.740	7.135
237000	228481	925.81	652.66	1363.06	3.3294	2.4973	3.2859	8.509	6.946
238000	229411	927.14	653.99	1367.71	3.2529	2.4399	3.2103	8.285	6.764
239000	230340	928.44	655.29	1372.33	3.1784	2.3840	3.1368	8.068	6.586
240000	231268	929.73	656.58	1376.91	3.1059-	2.3296-	3.0653- 10	7.858- 11	6.415- 11
241000	232197	930.98	657.83	1381.46	3.0353	2.2767	2.9956	7.654	6.248
242000	233125	932.22	659.07	1385.97	2.9665	2.2251	2.9277	7.456	6.087
243000	234053	933.43	660.28	1390.45	2.8996	2.1749	2.8616	7.265	5.930
244000	234984	934.62	661.47	1394.88	2.8343	2.1259	2.7973	7.079	5.779
245000	235908	935.79	662.64	1399.29	2.7708	2.0783	2.7346	6.898	5.631
246000	236835	936.94	663.79	1403.66	2.7089	2.0318	2.6735	6.723	5.488
247000	237761	938.07	664.92	1407.99	2.6486	1.9866	2.6139	6.553	5.350
248000	238688	939.18	666.03	1412.30	2.5898	1.9425	2.5559	6.388	5.215
249000	239614	940.26	667.11	1416.56	2.5325	1.8995	2.4994	6.228	5.084
250000	240540	941.33	668.18	1420.80	2.4767-	1.8577-	2.4443- 10	6.073- 11	4.957- 11
251000	241466	942.38	669.23	1425.00	2.4222	1.8168	2.3906	5.922	4.834
252000	242391	943.41	670.26	1429.16	2.3692	1.7770	2.3382	5.775	4.714
253000	243316	944.42	671.27	1433.30	2.3175	1.7382	2.2871	5.633	4.598
254000	244241	945.41	672.26	1437.40	2.2670	1.7004	2.2374	5.494	4.485
255000	245165	946.38	673.23	1441.47	2.2178	1.6635	2.1888	5.360	4.375
256000	246089	947.34	674.19	1445.51	2.1698	1.6275	2.1415	5.229	4.269
257000	247013	948.28	675.13	1449.51	2.1230	1.5924	2.0953	5.102	4.165
258000	247937	949.20	676.05	1453.49	2.0774	1.5582	2.0502	4.979	4.064
259000	248860	950.10	676.95	1457.43	2.0328	1.5248	2.0063	4.859	3.967
260000	249784	950.99	677.84	1461.34	1.9894-	1.4922-	1.9634- 10	4.742- 11	3.871- 11
261000	250706	951.86	678.71	1465.22	1.9470	1.4604	1.9215	4.629	3.779
262000	251629	952.72	679.57	1469.07	1.9056	1.4293	1.8807	4.519	3.689
263000	252551	953.56	680.41	1472.89	1.8652	1.3990	1.8408	4.412	3.601
264000	253473	954.39	681.24	1476.68	1.8258	1.3695	1.8026	4.307	3.516
265000	254395	955.20	682.05	1480.44	1.7874	1.3406	1.7640	4.206	3.433
266000	255316	955.99	682.84	1484.17	1.7498	1.3125	1.7269	4.107	3.353
267000	256237	956.78	683.63	1487.87	1.7131	1.2850	1.6907	4.011	3.274
268000	257158	957.54	684.39	1491.54	1.6773	1.2581	1.6554	3.918	3.198
269000	258079	958.30	685.15	1495.18	1.6424	1.2319	1.6209	3.827	3.124
270000	258999	959.04	685.89	1498.80	1.6083-	1.2063-	1.5872- 10	3.738- 11	3.052- 11
271000	259919	959.77	686.62	1502.38	1.5749	1.1813	1.5543	3.652	2.981
272000	260839	960.48	687.33	1505.94	1.5424	1.1569	1.5222	3.568	2.913
273000	261758	961.18	688.03	1509.46	1.5106	1.1330	1.4908	3.486	2.846
274000	262678	961.87	688.72	1512.96	1.4795	1.1097	1.4602	3.407	2.781
275000	263597	962.54	689.39	1516.43	1.4492	1.0870	1.4302	3.329	2.718
276000	264515	963.21	690.06	1519.88	1.4195	1.0647	1.4010	3.254	2.656
277000	265434	963.86	690.71	1523.30	1.3906	1.0430	1.3724	3.180	2.596
278000	266352	964.50	691.35	1526.68	1.3623	1.0218	1.3444	3.108	2.538
279000	267269	965.13	691.98	1530.05	1.3346	1.0010	1.3171	3.039	2.481
280000	268187	965.75	692.60	1533.38	1.3076-	9.8075-	1.2905- 10	2.971- 11	2.425- 11
281000	269104	966.35	693.20	1536.69	1.2811	9.6093	1.2644	2.904	2.371
282000	270021	966.95	693.80	1539.98	1.2553	9.4156	1.2389	2.840	2.318
283000	270938	967.53	694.38	1543.23	1.2301	9.2263	1.2146	2.777	2.267
284000	271854	968.11	694.96	1546.47	1.2054	9.0412	1.1896	2.715	2.217
285000	272771	968.67	695.52	1549.67	1.1813	8.8603	1.1658	2.656	2.168
286000	273686	969.22	696.07	1552.85	1.1577	8.6834	1.1426	2.597	2.120
287000	274602	969.77	696.62	1556.01	1.1346	8.5104	1.1193	2.540	2.074
288000	275517	970.30	697.15	1559.14	1.1121	8.3413	1.0975	2.485	2.028
289000	276432	970.83	697.68	1562.24	1.0900	8.1759	1.0758	2.431	1.984
290000	277347	971.34	698.19	1565.32	1.0685-	8.0141-	1.0545- 10	2.378- 11	1.941- 11
291000	278262	971.85	698.70	1568.38	1.0474	7.8559	1.0337	2.326	1.899
292000	279176	972.34	699.19	1571.41	1.0267	7.7012	1.0133	2.276	1.858
293000	280090	972.83	699.68	1574.42	1.0066	7.5498	9.9340- 11	2.227	1.818
294000	281004	973.31	700.16	1577.41	9.8682- 8	7.4018	9.7392	2.179	1.779
295000	281917	973.78	700.63	1580.37	9.6751	7.2569	9.5486	2.133	1.741
296000	282830	974.24	701.09	1583.31	9.4862	7.1152	9.3622	2.087	1.704
297000	283743	974.70	701.55	1586.22	9.3014	6.9766	9.1797	2.043	1.668
298000	284656	975.14	701.99	1589.12	9.1205	6.8410	9.0013	1.999	1.632
299000	285568	975.58	702.43	1591.99	8.9436	6.7082	8.8266	1.957	1.598
300000	286480	976.01	702.86	1594.83	8.7704-	6.5783-	8.6557- 11	1.916- 11	1.564- 11
301000	287393	976.44	703.29	1597.66	8.6051	6.4638	8.5428	1.876	1.529
302000	288303	976.84	703.69	1600.46	8.4351	6.3508	8.4308	1.836	1.494
303000	289215	977.25	704.05	1603.20	8.2699	6.2399	8.3199	1.796	1.459
304000	290125	977.65	704.40	1605.90	8.1139	6.1319	8.2109	1.756	1.424
305000	291035	978.03	704.73	1608.55	7.9611	6.0269	8.1039	1.716	1.389
306000	291946	978.43	705.08	1611.24	7.8111	5.9249	8.0009	1.676	1.354
307000	292856	978.83	705.43	1613.89	7.6631	5.8249	7.8989	1.636	1.319
308000	293766	979.23	705.78	1616.53	7.5171	5.7269	7.7989	1.596	1.284
309000	294676	979.63	706.13	1619.17	7.3731	5.6309	7.6989	1.556	1.249
310000	295586	979.99	706.48	1621.81	7.2311	5.5369	7.5989	1.516	1.214
311000	296496	980.39	706.83	1624.45	7.0911	5.4449	7.4989	1.476	1.179
312000	297406	980.79	707.18	1627.09	6.9531	5.3549	7.3989	1.436	1.144
313000	298316	981.19	707.53	1629.73	6.8171	5.2669	7.2989	1.396	1.109
314000	299226	981.59	707.88	1632.37	6.6831	5.1809	7.1989	1.356	1.074
315000	300136	981.99	708.23	1635.01	6.5511	5.0969	7.0989	1.316	1.039
316000	301046	982.39	708.58	1637.65	6.4211	5.0149	6.9989	1.276	1.004
317000	301956	982.79	708.93	1640.29	6.2931	4.9349	6.8989	1.236	0.969
318000	302866	983.19	709.28	1642.93	6.1671	4.8569	6.7989	1.196	0.934

Table I  
Geometric Altitude, Metric Units

Altitude		Temperature			Pressure			Density	
Z (m)	H (m)	T (K)	t (°C)	T <sub>M</sub> (K)	P (mb)	P (torr)	P/P <sub>0</sub>	$\rho$ (kg/m <sup>3</sup> )	$\rho/\rho_0$
320000	304663	983.16	710.01	1647.42	5.9796- 8	4.4850- 8	5.9014- 11	1.264- 11	1.032- 11
322000	306476	983.74	710.59	1652.76	5.7593	4.3199	5.6840	1.214	9.913- 12
324000	308287	984.31	711.16	1657.03	5.5480	4.1613	5.4754	1.166	9.521
326000	310097	984.85	711.70	1661.73	5.3450	4.0091	5.2751	1.121	9.147
328000	311906	985.37	712.22	1666.37	5.1502	3.8629	5.0828	1.077	8.789
330000	313714	985.88	712.73	1670.94	4.9630	3.7226	4.8981	1.035	8.447
332000	315521	986.37	713.22	1675.45	4.7833	3.5877	4.7207	9.946- 12	8.119
334000	317327	986.84	713.69	1679.90	4.6106	3.4582	4.5503	9.561	7.805
336000	319132	987.29	714.14	1684.29	4.4447	3.3338	4.3865	9.193	7.505
338000	320935	987.73	714.58	1688.62	4.2852	3.2142	4.2292	8.841	7.217
340000	322738	988.15	715.00	1692.90	4.1320- 8	3.0992- 8	4.0779- 11	8.503- 12	6.941- 12
342000	324539	988.56	715.41	1697.13	3.9846	2.9867	3.9325	8.179	6.677
344000	326340	988.96	715.81	1701.30	3.8430	2.8825	3.7927	7.869	6.424
346000	328139	989.34	716.19	1705.42	3.7068	2.7803	3.6583	7.572	6.181
348000	329938	989.70	716.55	1709.50	3.5758	2.6821	3.5290	7.287	5.948
350000	331735	990.06	716.91	1713.53	3.4498	2.5876	3.4047	7.014	5.725
352000	333531	990.40	717.25	1717.51	3.3286	2.4966	3.2851	6.751	5.511
354000	335326	990.73	717.58	1721.46	3.2120	2.4092	3.1700	6.500	5.306
356000	337120	991.05	717.90	1725.36	3.0998	2.3250	3.0592	6.259	5.109
358000	338913	991.35	718.20	1729.22	2.9918	2.2440	2.9526	6.027	4.920
360000	340705	991.65	718.50	1733.05	2.8878- 8	2.1661- 8	2.8501- 11	5.805- 12	4.739- 12
362000	342496	991.94	718.79	1736.84	2.7878	2.0910	2.7513	5.592	4.565
364000	344286	992.21	719.06	1740.59	2.6915	2.0188	2.6563	5.387	4.397
366000	346074	992.48	719.33	1744.32	2.5987	1.9492	2.5647	5.190	4.237
368000	347862	992.74	719.59	1748.02	2.5094	1.8822	2.4766	5.001	4.083
370000	349648	992.98	719.83	1751.68	2.4234	1.8177	2.3917	4.820	3.934
372000	351434	993.22	720.07	1755.32	2.3405	1.7556	2.3099	4.645	3.792
374000	353218	993.46	720.31	1758.94	2.2607	1.6957	2.2312	4.478	3.655
376000	355002	993.68	720.53	1762.53	2.1839	1.6380	2.1553	4.316	3.524
378000	356784	993.89	720.74	1766.10	2.1098	1.5825	2.0822	4.162	3.397
380000	358565	994.10	720.95	1769.66	2.0384- 8	1.5289- 8	2.0117- 11	4.013- 12	3.276- 12
382000	360346	994.30	721.15	1773.19	1.9696	1.4773	1.9439	3.870	3.159
384000	362125	994.50	721.35	1776.71	1.9033	1.4276	1.8784	3.732	3.046
386000	363903	994.68	721.53	1780.22	1.8394	1.3797	1.8153	3.599	2.938
388000	365680	994.86	721.71	1783.72	1.7778	1.3335	1.7545	3.472	2.834
390000	367456	995.04	721.89	1787.20	1.7184	1.2889	1.6959	3.350	2.734
392000	369231	995.21	722.06	1790.68	1.6611	1.2460	1.6394	3.232	2.638
394000	371005	995.37	722.22	1794.15	1.6059	1.2045	1.5849	3.118	2.545
396000	372778	995.53	722.38	1797.61	1.5527	1.1646	1.5324	3.009	2.456
398000	374549	995.68	722.53	1801.08	1.5013	1.1261	1.4817	2.904	2.370
400000	376320	995.83	722.68	1804.54	1.4518- 8	1.0889- 8	1.4328- 11	2.803- 12	2.288- 12
402000	378090	995.97	722.82	1808.00	1.4040	1.0531	1.3856	2.705	2.208
404000	379858	996.10	722.95	1811.47	1.3579	1.0185	1.3401	2.611	2.132
406000	381626	996.23	723.08	1814.94	1.3134	9.8514- 9	1.2962	2.521	2.058
408000	383392	996.36	723.21	1818.41	1.2705	9.5295	1.2539	2.434	1.987
410000	385158	996.49	723.34	1821.90	1.2291	9.2189	1.2130	2.350	1.918
412000	386922	996.60	723.45	1825.39	1.1891	8.9192	1.1736	2.269	1.853
414000	388686	996.72	723.57	1828.90	1.1506	8.6299	1.1355	2.192	1.789
416000	390448	996.83	723.68	1832.42	1.1133	8.3507	1.0988	2.117	1.728
418000	392210	996.94	723.79	1835.96	1.0774	8.0812	1.0633	2.044	1.669
420000	393970	997.04	723.89	1839.52	1.0427- 8	7.8211- 9	1.0291- 11	1.975- 12	1.612- 12
422000	395729	997.14	723.99	1843.09	1.0092	7.5699	9.9605- 12	1.908	1.557
424000	397487	997.24	724.09	1846.69	9.7692- 9	7.3275	9.6414	1.843	1.504
426000	399245	997.33	724.18	1850.31	9.4570	7.0933	9.3333	1.781	1.453
428000	401001	997.42	724.27	1853.96	9.1556	6.8673	9.0359	1.720	1.404
430000	402756	997.50	724.35	1857.63	8.8645	6.6489	8.7486	1.662	1.357
432000	404510	997.59	724.44	1861.33	8.5834	6.4381	8.4712	1.606	1.311
434000	406263	997.67	724.52	1865.07	8.3119	6.2345	8.2032	1.553	1.267
436000	408015	997.75	724.60	1868.83	8.0497	6.0378	7.9444	1.501	1.225
438000	409766	997.82	724.67	1872.64	7.7964	5.8478	7.6944	1.450	1.184
440000	411516	997.90	724.75	1876.48	7.5517- 9	5.6642- 9	7.4529- 12	1.402- 12	1.144- 12
442000	413265	997.97	724.82	1880.36	7.3153	5.4869	7.2196	1.355	1.106
444000	415013	998.03	724.88	1884.28	7.0869	5.3156	6.9942	1.310	1.070
446000	416760	998.10	724.95	1888.24	6.8662	5.1500	6.7764	1.267	1.034
448000	418505	998.16	725.01	1892.25	6.6529	4.9901	6.5659	1.225	9.998- 13
450000	420250	998.22	725.07	1896.31	6.4468	4.8355	6.3625	1.184	9.668
452000	421994	998.28	725.13	1900.42	6.2477	4.6861	6.1660	1.145	9.349
454000	423737	998.34	725.19	1904.58	6.0552	4.5418	5.9760	1.108	9.041
456000	425478	998.40	725.25	1908.79	5.8691	4.4022	5.7924	1.071	8.744
458000	427219	998.45	725.30	1913.06	5.6893	4.2673	5.6149	1.036	8.457
460000	428959	998.50	725.35	1917.39	5.5155- 9	4.1370- 9	5.4434- 12	1.002- 12	8.180- 13
462000	430698	998.55	725.40	1921.77	5.3474	4.0109	5.2775	9.694- 13	7.913
464000	432435	998.60	725.45	1926.22	5.1850	3.8891	5.1172	9.377	7.655
466000	434172	998.65	725.50	1930.74	5.0279	3.7712	4.9621	9.072	7.406
468000	435907	998.69	725.54	1935.32	4.8760	3.6573	4.8123	8.777	7.165
470000	437642	998.73	725.58	1939.97	4.7292	3.5472	4.6673	8.492	6.932
472000	439376	998.78	725.63	1944.70	4.5871	3.4406	4.5272	8.217	6.708
474000	441108	998.82	725.67	1949.50	4.4498	3.3376	4.3916	7.952	6.491
476000	442840	998.86	725.71	1954.37	4.3170	3.2380	4.2605	7.695	6.282
478000	444570	998.89	725.74	1959.32	4.1885	3.1416	4.1337	7.447	6.079

Table I  
Geometric Altitude, Metric Units

Altitude		Temperature			Pressure			Density	
Z (m)	H (m)	T (K)	t (°C)	T <sub>M</sub> (K)	P (mb)	P (torr)	P/P <sub>0</sub>	ρ (kg/m <sup>3</sup> )	ρ/ρ <sub>0</sub>
480000	446300	998.93	725.78	1964.36	4.0642- 9	3.0484- 9	4.0111- 12	7.208- 13	5.884- 13
482000	448028	998.97	725.82	1969.47	3.9440	2.9583	3.8925	6.976	5.695
484000	449756	999.00	725.85	1974.68	3.8278	2.8711	3.7777	6.753	5.513
486000	451482	999.03	725.88	1979.97	3.7153	2.7867	3.6667	6.537	5.336
488000	453208	999.07	725.92	1985.35	3.6064	2.7051	3.5593	6.328	5.166
490000	454932	999.10	725.95	1990.83	3.5011	2.6261	3.4554	6.127	5.001
492000	456656	999.13	725.98	1996.40	3.3993	2.5497	3.3548	5.932	4.842
494000	458378	999.15	726.00	2002.07	3.3007	2.4757	3.2575	5.743	4.688
496000	460100	999.18	726.03	2007.84	3.2053	2.4041	3.1633	5.561	4.540
498000	461820	999.21	726.06	2013.71	3.1129	2.3349	3.0722	5.385	4.396
500000	463544	999.24	726.09	2019.69	3.0236- 9	2.2679- 9	2.9840- 12	5.215- 13	4.257- 13
505000	467834	999.30	726.15	2035.12	2.8125	2.1096	2.7757	4.814	3.930
510000	472122	999.35	726.20	2051.27	2.6179	1.9636	2.5837	4.446	3.629
515000	476404	999.40	726.25	2068.18	2.4385	1.8290	2.4066	4.107	3.353
520000	480679	999.45	726.30	2085.90	2.2729	1.7048	2.2431	3.796	3.099
525000	484949	999.50	726.35	2104.47	2.1200	1.5901	2.0923	3.509	2.865
530000	489212	999.54	726.39	2123.94	1.9789	1.4843	1.9530	3.246	2.650
535000	493469	999.57	726.42	2144.35	1.8485	1.3865	1.8244	3.003	2.452
540000	497719	999.61	726.46	2165.75	1.7281	1.2962	1.7055	2.780	2.269
545000	501964	999.64	726.49	2188.18	1.6167	1.2126	1.5956	2.574	2.101
550000	506202	999.67	726.52	2211.70	1.5137- 9	1.1354- 9	1.4939- 12	2.384- 13	1.946- 13
555000	510435	999.69	726.54	2236.35	1.4184	1.0639	1.3999	2.210	1.804
560000	514661	999.72	726.57	2262.18	1.3303	9.9778- 10	1.3129	2.049	1.672
565000	518881	999.74	726.59	2289.24	1.2486	9.3652	1.2323	1.900	1.551
570000	523095	999.76	726.61	2317.58	1.1729	8.7978	1.1576	1.763	1.439
575000	527303	999.78	726.63	2347.24	1.1028	8.2719	1.0884	1.637	1.336
580000	531505	999.80	726.65	2378.28	1.0378	7.7843	1.0243	1.520	1.241
585000	535701	999.81	726.66	2410.74	9.7752- 10	7.3320	9.6473- 13	1.413	1.153
590000	539890	999.83	726.68	2444.66	9.2155	6.9122	9.0950	1.313	1.072
595000	544074	999.84	726.69	2480.10	8.6958	6.5224	8.5821	1.221	9.971- 14
600000	548252	999.85	726.70	2517.10	8.2130- 10	6.1602- 10	8.1056- 13	1.137- 13	9.279- 14
605000	552424	999.86	726.71	2555.69	7.7642	5.8236	7.6626	1.058	8.640
610000	556589	999.88	726.73	2595.92	7.3468	5.5106	7.2507	9.859- 14	8.048
615000	560749	999.88	726.73	2637.82	6.9585	5.2193	6.8675	9.190	7.502
620000	564903	999.89	726.74	2681.43	6.5969	4.9481	6.5106	8.571	6.996
625000	569051	999.90	726.75	2726.78	6.2601	4.6954	6.1782	7.998	6.529
630000	573193	999.91	726.76	2773.89	5.9461	4.4600	5.8684	7.468	6.096
635000	577329	999.92	726.77	2822.79	5.6533	4.2404	5.5794	6.977	5.695
640000	581459	999.92	726.77	2873.49	5.3801	4.0354	5.3097	6.523	5.325
645000	585583	999.93	726.78	2926.01	5.1249	3.8440	5.0579	6.102	4.981
650000	589701	999.93	726.78	2980.36	4.8865- 10	3.6651- 10	4.8226- 13	5.712- 14	4.663- 14
655000	593814	999.94	726.79	3036.53	4.6635	3.4979	4.6025	5.350	4.368
660000	597920	999.94	726.79	3094.52	4.4549	3.3414	4.3966	5.015	4.094
665000	602021	999.95	726.80	3154.32	4.2595	3.1949	4.2038	4.704	3.840
670000	606116	999.95	726.80	3215.92	4.0765	3.0576	4.0232	4.416	3.605
675000	610205	999.96	726.81	3279.29	3.9048	2.9289	3.8538	4.148	3.386
680000	614288	999.96	726.81	3344.39	3.7438	2.8081	3.6948	3.900	3.183
685000	618365	999.96	726.81	3411.19	3.5925	2.6946	3.5455	3.669	2.995
690000	622437	999.97	726.82	3479.64	3.4504	2.5880	3.4052	3.454	2.820
695000	626503	999.97	726.82	3549.69	3.3166	2.4877	3.2733	3.255	2.657
700000	630563	999.97	726.82	3621.27	3.1908- 10	2.3933- 10	3.1491- 13	3.070- 14	2.506- 14
705000	634617	999.97	726.82	3694.31	3.0722	2.3043	3.0320	2.897	2.365
710000	638666	999.97	726.82	3768.74	2.9604	2.2205	2.9217	2.736	2.234
715000	642709	999.98	726.83	3844.47	2.8549	2.1414	2.8176	2.587	2.112
720000	646746	999.98	726.83	3921.41	2.7553	2.0666	2.7193	2.448	1.998
725000	650778	999.98	726.83	3999.46	2.6611	1.9960	2.6263	2.318	1.892
730000	654803	999.98	726.83	4078.53	2.5720	1.9292	2.5384	2.197	1.793
735000	658824	999.98	726.83	4158.49	2.4877	1.8659	2.4551	2.084	1.701
740000	662838	999.98	726.83	4239.25	2.4077	1.8059	2.3762	1.979	1.615
745000	666847	999.99	726.84	4320.67	2.3319	1.7491	2.3014	1.880	1.535
750000	670850	999.99	726.84	4402.64	2.2599- 10	1.6951- 10	2.2303- 13	1.788- 14	1.460- 14
755000	674848	999.99	726.84	4485.04	2.1915	1.6438	2.1628	1.702	1.390
760000	678840	999.99	726.84	4567.74	2.1265	1.5950	2.0987	1.622	1.324
765000	682826	999.99	726.84	4650.61	2.0645	1.5485	2.0375	1.547	1.262
770000	686807	999.99	726.84	4733.52	2.0056	1.5043	1.9793	1.476	1.205
775000	690782	999.99	726.84	4816.36	1.9493	1.4621	1.9238	1.410	1.151
780000	694751	999.99	726.84	4898.99	1.8957	1.4219	1.8709	1.348	1.100
785000	698715	999.99	726.84	4981.29	1.8444	1.3834	1.8203	1.290	1.053
790000	702674	999.99	726.84	5063.15	1.7954	1.3467	1.7719	1.235	1.008
795000	706627	999.99	726.84	5144.44	1.7485	1.3115	1.7256	1.184	9.666- 15
800000	710574	999.99	726.84	5225.06	1.7036- 10	1.2778- 10	1.6813- 13	1.136- 14	9.272- 15
805000	714516	999.99	726.84	5304.89	1.6606	1.2456	1.6389	1.091	8.902
810000	718452	999.99	726.84	5383.84	1.6193	1.2146	1.5982	1.048	8.554
815000	722383	1000.00	726.85	5461.86	1.5797	1.1849	1.5591	1.008	8.225
820000	726309	1000.00	726.85	5538.70	1.5417	1.1564	1.5215	9.697- 15	7.916
825000	730229	1000.00	726.85	5614.45	1.5051	1.1289	1.4854	9.339	7.624
830000	734143	1000.00	726.85	5688.96	1.4699	1.1025	1.4507	9.001	7.348
835000	738052	1000.00	726.85	5762.18	1.4360	1.0771	1.4172	8.682	7.087
840000	741956	1000.00	726.85	5834.03	1.4034	1.0526	1.3850	8.380	6.841
845000	745854	1000.00	726.85	5904.47	1.3719	1.0290	1.3539	8.094	6.607



Table I  
Geometric Altitude, Metric Units

Altitude		Temperature			Pressure			Density	
Z (m)	H (m)	T (K)	t (°C)	T <sub>M</sub> (K)	P (mb)	P (torr)	P/P <sub>0</sub>	$\rho$ (kg/m <sup>3</sup> )	$\rho/\rho_0$
850000	749747	1000.00	726.85	5973.45	1.3415- 10	1.0062- 10	1.3240- 13	7.824- 15	6.387- 15
855000	753634	1000.00	726.85	6040.93	1.3122	9.8420- 11	1.2950	7.567	6.177
860000	757516	1000.00	726.85	6106.87	1.2838	9.6295	1.2670	7.324	5.978
865000	761393	1000.00	726.85	6171.24	1.2564	9.4240	1.2400	7.093	5.790
870000	765264	1000.00	726.85	6234.03	1.2299	9.2251	1.2138	6.873	5.611
875000	769130	1000.00	726.85	6295.22	1.2043	9.0327	1.1885	6.664	5.440
880000	772991	1000.00	726.85	6354.81	1.1794	8.8463	1.1640	6.465	5.278
885000	776846	1000.00	726.85	6412.78	1.1553	8.6657	1.1402	6.276	5.123
890000	780696	1000.00	726.85	6469.15	1.1320	8.4905	1.1172	6.096	4.976
895000	784541	1000.00	726.85	6523.92	1.1093	8.3206	1.0948	5.924	4.836
900000	788380	1000.00	726.85	6577.11	1.0873- 10	8.1556- 11	1.0731- 13	5.759- 15	4.701- 15
905000	792214	1000.00	726.85	6628.72	1.0660	7.9954	1.0520	5.602	4.573
910000	796043	1000.00	726.85	6678.78	1.0452	7.8398	1.0316	5.452	4.451
915000	799866	1000.00	726.85	6727.31	1.0250	7.6885	1.0116	5.308	4.333
920000	803685	1000.00	726.85	6774.34	1.0054	7.5414	9.9229- 14	5.170	4.221
925000	807498	1000.00	726.85	6819.90	9.8635- 11	7.3982	9.7345	5.038	4.113
930000	811305	1000.00	726.85	6864.02	9.6777	7.2589	9.5512	4.912	4.010
935000	815108	1000.00	726.85	6906.73	9.4968	7.1232	9.3727	4.790	3.910
940000	818905	1000.00	726.85	6948.07	9.3207	6.9911	9.1988	4.673	3.815
945000	822697	1000.00	726.85	6988.07	9.1490	6.8623	9.0293	4.561	3.723
950000	826484	1000.00	726.85	7026.78	8.9816- 11	6.7368- 11	8.8642- 14	4.453- 15	3.635- 15
955000	830266	1000.00	726.85	7064.22	8.8184	6.6143	8.7031	4.349	3.550
960000	834043	1000.00	726.85	7100.45	8.6592	6.4949	8.5460	4.248	3.468
965000	837814	1000.00	726.85	7135.49	8.5039	6.3784	8.3927	4.152	3.389
970000	841580	1000.00	726.85	7169.40	8.3523	6.2647	8.2431	4.058	3.313
975000	845342	1000.00	726.85	7202.21	8.2043	6.1537	8.0970	3.968	3.239
980000	849098	1000.00	726.85	7233.96	8.0597	6.0453	7.9543	3.881	3.168
985000	852849	1000.00	726.85	7264.68	7.9185	5.9393	7.8149	3.797	3.100
990000	856594	1000.00	726.85	7294.43	7.7805	5.8358	7.6788	3.716	3.033
995000	860335	1000.00	726.85	7323.24	7.6456	5.7347	7.5457	3.637	2.969
1000000	864071	1000.00	726.85	7351.15	7.5138- 11	5.6358- 11	7.4155- 14	3.561- 15	2.907- 15

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