

# Standard Atmosphere Data

**TABLE E.1** Geopotential Height  
versus Pressure

Pressure (hPa)	Z (km)
1000	0.111
900	0.988
850	1.457
700	3.012
600	4.206
500	5.574
400	7.185
300	9.164
250	10.363
200	11.784
150	13.608
100	16.180
50	20.576
30	23.849
20	26.481
10	31.055

**TABLE E.2** Standard Atmosphere Temperature, Pressure, and Density as a Function of Geopotential Height

Z (km)	Temperature (K)	Pressure (hPa)	Density (kg m <sup>-3</sup> )
0	288.15	1013.25	1.225
1	281.65	898.74	1.112
2	275.15	794.95	1.007
3	268.65	701.08	0.909
4	262.15	616.40	0.819
5	255.65	540.19	0.736
6	249.15	471.81	0.660
7	242.65	410.60	0.590
8	236.15	355.99	0.525
9	229.65	307.42	0.466
10	223.15	264.36	0.412
12	216.65	193.30	0.311
14	216.65	141.01	0.227
16	216.65	102.87	0.165
18	216.65	75.05	0.121
20	216.65	54.75	0.088
24	220.65	29.30	0.046
28	224.65	15.86	0.025
32	228.65	08.68	0.013