

**Atmospheric Scale Height & Density, to 35,786 km**

Altitude (km)	Scale Height (km)	Atmospheric Density	
		Mean (kg/m <sup>3</sup> )	Maximum (kg/m <sup>3</sup> )
0	8.4	1.225	1.225
100	5.9	5.25E-7	5.75E-7
150	25.5	1.73E-9	1.99E-9
200	37.5	2.41E-10	3.65E-10
250	44.8	5.97E-11	1.20E-10
300	50.3	1.87E-11	4.84E-11
350	54.8	6.66E-12	2.18E-11
400	58.2	2.62E-12	1.05E-11
450	61.3	1.09E-12	5.35E-12
500	64.5	4.76E-13	2.82E-12
550	68.7	2.14E-13	1.53E-12
600	74.8	9.89E-14	8.46E-13
650	84.4	4.73E-14	4.77E-13
700	99.3	2.36E-14	2.73E-13
750	121	1.24E-14	1.59E-13
800	151	6.95E-15	9.41E-14
850	188	4.22E-15	5.67E-14
900	226	2.78E-15	3.49E-14
950	263	1.98E-15	2.21E-14
1,000	296	1.49E-15	1.43E-14
1,250	408	5.70E-16	2.82E-15
1,500	516	2.79E-16	1.16E-15
2,000	829	9.09E-17	3.80E-16
2,500	1220	4.23E-17	1.54E-16
3,000	1590	2.54E-17	7.09E-17
3,500	1900	1.77E-17	3.67E-17
4,000	2180	1.34E-17	2.11E-17
4,500	2430	1.06E-17	1.34E-17
5,000	2690	8.62E-18	9.30E-18
6,000	3200	6.09E-18	5.41E-18
7,000	3750	4.56E-18	3.74E-18
8,000	4340	3.56E-18	2.87E-18
9,000	4970	2.87E-18	2.34E-18
10,000	5630	2.37E-18	1.98E-18
15,000	9600	1.21E-18	1.16E-18
20,000	14600	7.92E-19	8.42E-19
25,000	20700	5.95E-19	6.81E-19
30,000	27800	4.83E-19	5.84E-19
35,000	36000	4.13E-19	5.21E-19
35,786	37300	4.04E-19	5.12E-19