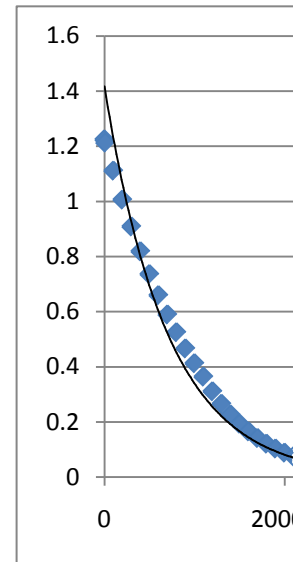
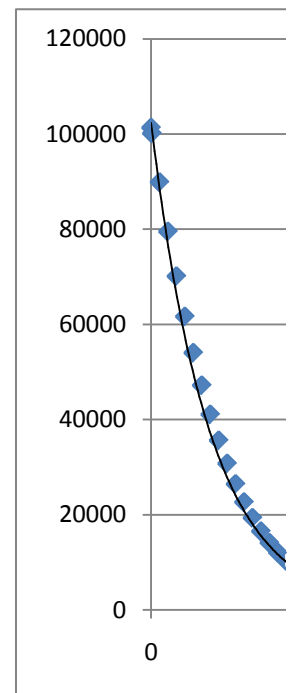


Model Atmosphere to 86,000 m (53.44 mi.) Altitude Above Sea Level

[m] Altitude	[Kelvin] Temperature	[pascal] Pressure	[kg/m3] Density	[m/s] Speed of sound
0	288.15	101325	1.225	340.294065
100	287.5	100129.4386	1.213283	339.910036
1000	281.65	89874.5705	1.111643	336.434048
2000	275.15	79495.21551	1.00649	332.529226
3000	268.65	70108.54467	0.909122	328.578003
4000	262.15	61640.2353	0.819129	324.578683
5000	255.65	54019.9121	0.736116	320.529467
6000	249.15	47181.02757	0.659697	316.428439
7000	242.65	41060.74319	0.589501	312.273557
8000	236.15	35599.81142	0.525168	308.062644
9000	229.65	30742.45842	0.466348	303.793367
10000	223.15	26436.26759	0.412707	299.463233
11000	216.65	22632.06397	0.363918	295.06956
12000	216.65	19330.40505	0.310828	295.06956
13000	216.65	16510.40576	0.265483	295.06956
14000	216.65	14101.79961	0.226753	295.06956
15000	216.65	12044.57086	0.193674	295.06956
16000	216.65	10287.45914	0.16542	295.06956
17000	216.65	8786.682132	0.141288	295.06956
18000	216.65	7504.844668	0.120676	295.06956
19000	216.65	6410.006945	0.103071	295.06956
20000	216.65	5474.88867	0.088035	295.06956
21000	217.65	4677.886177	0.074874	295.749758
22000	218.65	3999.79022	0.063727	296.428396
23000	219.65	3422.434346	0.05428	297.105483
24000	220.65	2930.492169	0.046267	297.781031
25000	221.65	2511.023353	0.039466	298.455049
26000	222.65	2153.093757	0.033688	299.127549
27000	223.65	1847.45738	0.028777	299.79854
28000	224.65	1586.289833	0.024599	300.468033
29000	225.65	1362.964815	0.021042	301.136038
30000	226.65	1171.8665	0.018012	301.802564
31000	227.65	1008.231959	0.015429	302.467621
32000	228.65	868.018685	0.013225	303.131219
33000	231.45	748.228237	0.011262	304.981612
34000	234.25	646.122224	0.009609	306.820846
35000	237.05	558.923536	0.008214	308.64912
36000	239.85	484.316727	0.007034	310.466628
37000	242.65	420.36711	0.006035	312.273557
38000	245.45	365.454746	0.005187	314.070092
39000	248.25	318.220455	0.004466	315.856407
40000	251.05	277.521554	0.003851	317.632678
41000	253.85	242.395487	0.003326	319.39907



← Burnout @ 13,700 meters altitude
(No more acceleration)



42000	256.65	212.029878	0.002878	321.155746
43000	259.45	185.737813	0.002494	322.902866
44000	262.25	162.9374	0.002164	324.640584
45000	265.05	143.134827	0.001881	326.36905
46000	267.85	125.910294	0.001638	328.08841
47000	270.65	110.906306	0.001428	329.798806
48000	270.65	97.754504	0.001258	329.798806
49000	270.65	86.162307	0.001109	329.798806
50000	270.65	75.944768	0.000978	329.798806
51000	270.65	66.938873	0.000862	329.798806
52000	267.85	58.962162	0.000767	328.08841
53000	265.05	51.866784	0.000682	326.36905
54000	262.25	45.563162	0.000605	324.640584
55000	259.45	39.970015	0.000537	322.902866
56000	256.65	35.013665	0.000475	321.155746
57000	253.85	30.627398	0.00042	319.39907
58000	251.05	26.75087	0.000371	317.632678
59000	248.25	23.32956	0.000327	315.856407
60000	245.45	20.314261	0.000288	314.070092
61000	242.65	17.660618	0.000254	312.273557
62000	239.85	15.328694	0.000223	310.466628
63000	237.05	13.282574	0.000195	308.64912
64000	234.25	11.489998	0.000171	306.820846
65000	231.45	9.92203	0.000149	304.981612
66000	228.65	8.552746	0.00013	303.131219
67000	225.85	7.358951	0.000114	301.269461
68000	223.05	6.319922	0.000099	299.396126
69000	220.25	5.41717	0.000086	297.510996
70000	217.45	4.634222	0.000074	295.613844
71000	214.65	3.95642	0.000064	293.704438
72000	212.65	3.371763	0.000055	292.332941
73000	210.65	2.869165	0.000047	290.95498
74000	208.65	2.437728	0.000041	289.570461
75000	206.65	2.067918	0.000035	288.17929
76000	204.65	1.751404	0.00003	286.781371
77000	202.65	1.480918	0.000025	285.376605
78000	200.65	1.250123	0.000022	283.964889
79000	198.65	1.053508	0.000018	282.54612
80000	196.65	0.88628	0.000016	281.12019
81000	194.65	0.74428	0.000013	279.686991
82000	192.65	0.623905	0.000011	278.24641
83000	190.65	0.522037	0.00001	276.798331
84000	188.65	0.435981	0.000008	275.342637
85000	186.946	0.36342	0.000007	274.096286
86000	186.946	0.302723	0.000006	274.096286

