

1976 U.S. Standard Atmosphere - Below Tropopause [<11 Km]

		Po = 14.696	Po = 2116.22807	Po = 101325	Po = 29.92126			ρo = .0023769	ρo = 1.225			To = 288.15	To = 15	To = 518.67	To = 59
		Ambient Air Pressure (Pa)						Amb. Air Density (ρa)		Ambient Air Temperature (Ta)					
Hp [ft]	δ (=Pa/Po)	[psi]	[psf]	[Pa]	[in Hg]	σ (= ρa/ρo)	[slg/ft3]	[kg/m3]	θ (=Ta/To)	[K]	[deg C]	[R]	[deg F]		
-1000	1.036670	15.23490	2193.8299	105040.58	31.01847	1.029591	0.0024472	1.261249	1.006876	290.1312	16.98	522.24	62.57		
0	1.000000	14.69600	2116.2281	101325.00	29.92126	1.000000	0.0023769	1.225000	1.000000	288.1500	15.00	518.67	59.00		
1000	0.964388	14.17264	2040.8640	97716.57	28.85569	0.971064	0.0023081	1.189554	0.993124	286.1688	13.02	515.10	55.43		
2000	0.929809	13.66447	1967.6881	94212.91	27.82106	0.942773	0.0022409	1.154897	0.986249	284.1876	11.04	511.54	51.87		
3000	0.896241	13.17116	1896.6514	90811.67	26.81668	0.915117	0.0021751	1.121019	0.979373	282.2064	9.06	507.97	48.30		
4000	0.863662	12.69238	1827.7057	87510.55	25.84186	0.888086	0.0021109	1.087906	0.972498	280.2252	7.08	504.41	44.74		
5000	0.832048	12.22778	1760.8036	84307.28	24.89593	0.861671	0.0020481	1.055546	0.965622	278.2440	5.09	500.84	41.17		
6000	0.801378	11.77705	1695.8984	81199.62	23.97824	0.835860	0.0019868	1.023929	0.958746	276.2628	3.11	497.27	37.60		
7000	0.771630	11.33987	1632.9443	78185.37	23.08813	0.810645	0.0019268	0.993040	0.951871	274.2816	1.13	493.71	34.04		
8000	0.742782	10.91592	1571.8959	75262.38	22.22497	0.786016	0.0018683	0.962870	0.944995	272.3004	-0.85	490.14	30.47		
9000	0.714814	10.50490	1512.7089	72428.50	21.38813	0.761964	0.0018111	0.933406	0.938120	270.3192	-2.83	486.57	26.90		
10000	0.687705	10.10651	1455.3396	69681.66	20.57699	0.738479	0.0017553	0.904637	0.931244	268.3380	-4.81	483.01	23.34		
11000	0.661434	9.72043	1399.7449	67019.79	19.79094	0.715552	0.0017008	0.876551	0.924369	266.3568	-6.79	479.44	19.77		
12000	0.635982	9.34639	1345.8825	64440.85	19.02938	0.693173	0.0016476	0.849137	0.917493	264.3756	-8.77	475.88	16.21		
13000	0.611329	8.98409	1293.7108	61942.87	18.29172	0.671334	0.0015957	0.822384	0.910617	262.3944	-10.76	472.31	12.64		
14000	0.587455	8.63324	1243.1889	59523.89	17.57740	0.650025	0.0015450	0.796281	0.903742	260.4132	-12.74	468.74	9.07		
15000	0.564342	8.29357	1194.2766	57181.97	16.88583	0.629238	0.0014956	0.770816	0.896866	258.4320	-14.72	465.18	5.51		
16000	0.541971	7.96481	1146.9344	54915.22	16.21646	0.608963	0.0014474	0.745979	0.889991	256.4508	-16.70	461.61	1.94		
17000	0.520324	7.64668	1101.1234	52721.79	15.56874	0.589191	0.0014004	0.721759	0.883115	254.4696	-18.68	458.05	-1.62		
18000	0.499382	7.33891	1056.8055	50599.85	14.94213	0.569915	0.0013546	0.698145	0.876239	252.4884	-20.66	454.48	-5.19		
19000	0.479127	7.04126	1013.9430	48547.59	14.33610	0.551124	0.0013100	0.675127	0.869364	250.5072	-22.64	450.91	-8.76		
20000	0.459544	6.75345	972.4993	46563.27	13.75013	0.532812	0.0012664	0.652694	0.862488	248.5260	-24.62	447.35	-12.32		
21000	0.440613	6.47525	932.4380	44645.13	13.18370	0.514968	0.0012240	0.630836	0.855613	246.5448	-26.61	443.78	-15.89		
22000	0.422319	6.20640	893.7236	42791.48	12.63632	0.497585	0.0011827	0.609542	0.848737	244.5636	-28.59	440.21	-19.46		
23000	0.404645	5.94666	856.3212	41000.66	12.10749	0.480655	0.0011425	0.588802	0.841862	242.5824	-30.57	436.65	-23.02		
24000	0.387575	5.69580	820.1964	39271.01	11.59672	0.464169	0.0011033	0.568607	0.834986	240.6012	-32.55	433.08	-26.59		
25000	0.371092	5.45357	785.3157	37600.92	11.10355	0.448119	0.0010651	0.548946	0.828110	238.6200	-34.53	429.52	-30.15		
26000	0.355182	5.21975	751.6460	35988.81	10.62749	0.432497	0.0010280	0.529809	0.821235	236.6388	-36.51	425.95	-33.72		
27000	0.339829	4.99412	719.1549	34433.14	10.16810	0.417296	0.0009919	0.511187	0.814359	234.6576	-38.49	422.38	-37.29		
28000	0.325017	4.77645	687.8105	32932.36	9.72492	0.402506	0.0009567	0.493070	0.807484	232.6764	-40.47	418.82	-40.85		

29000	0.310733	4.56653	657.5816	31485.01	9.29752	0.388121	0.0009225	0.475448	0.800608	230.6952	-42.45	415.25	-44.42
30000	0.296961	4.36414	628.4375	30089.59	8.88545	0.374133	0.0008893	0.458312	0.793732	228.7140	-44.44	411.69	-47.98
31000	0.283688	4.16908	600.3484	28744.68	8.48830	0.360533	0.0008570	0.441653	0.786857	226.7328	-46.42	408.12	-51.55
32000	0.270899	3.98114	573.2846	27448.86	8.10565	0.347315	0.0008255	0.425461	0.779981	224.7516	-48.40	404.55	-55.12
33000	0.258581	3.80011	547.2173	26200.76	7.73708	0.334471	0.0007950	0.409727	0.773106	222.7704	-50.38	400.99	-58.68
34000	0.246721	3.62581	522.1181	24999.02	7.38221	0.321994	0.0007653	0.394442	0.766230	220.7892	-52.36	397.42	-62.25
35000	0.235305	3.45805	497.9594	23842.30	7.04063	0.309875	0.0007365	0.379597	0.759355	218.8080	-54.34	393.85	-65.82
36000	0.224321	3.29662	474.7140	22729.31	6.71196	0.298109	0.0007086	0.365184	0.752479	216.8268	-56.32	390.29	-69.38
36089	0.223361	3.28251	472.6830	22632.06	6.68325	0.297076	0.0007061	0.363918	0.751865	216.6500	-56.50	389.97	-69.70