

1976 U.S. Standard Atmosphere - Troposphere [11-20 Km]

		Ambient Air Pressure (P_a)					Amb. Air Density (ρ_a)			Ambient Air Temperature (T_a)			
Hp [ft]	δ (=Pa/Po)	[psi]	[psf]	[Pa]	[in Hg]	σ (= ρ_a/ρ_0)	[slg/ft ³]	[kg/m ³]	θ (=Ta/To)	[K]	[deg C]	[R]	[deg F]
36089	0.223361	3.28251	472.683	22632.1	6.68324	0.297076	0.0007061	0.363918	0.751865	216.650	-56.50	389.97	-69.70
37000	0.213795	3.14192	452.438	21662.7	6.39700	0.284352	0.0006759	0.348332	0.751865	216.650	-56.50	389.97	-69.70
38000	0.203762	2.99449	431.207	20646.2	6.09681	0.271009	0.0006442	0.331986	0.751865	216.650	-56.50	389.97	-69.70
39000	0.194200	2.85397	410.972	19677.3	5.81071	0.258291	0.0006139	0.316407	0.751865	216.650	-56.50	389.97	-69.70
40000	0.185087	2.72004	391.686	18753.9	5.53804	0.246171	0.0005851	0.301559	0.751865	216.650	-56.50	389.97	-69.70
41000	0.176402	2.59240	373.306	17873.9	5.27816	0.234619	0.0005577	0.287408	0.751865	216.650	-56.50	389.97	-69.70
42000	0.168124	2.47075	355.788	17035.1	5.03048	0.223609	0.0005315	0.273921	0.751865	216.650	-56.50	389.97	-69.70
43000	0.160234	2.35480	339.092	16235.7	4.79441	0.213116	0.0005066	0.261067	0.751865	216.650	-56.50	389.97	-69.70
44000	0.152715	2.24430	323.180	15473.9	4.56943	0.203115	0.0004828	0.248816	0.751865	216.650	-56.50	389.97	-69.70
45000	0.145549	2.13899	308.014	14747.7	4.35500	0.193584	0.0004601	0.237140	0.751865	216.650	-56.50	389.97	-69.70
46000	0.138719	2.03861	293.560	14055.7	4.15064	0.184500	0.0004385	0.226012	0.751865	216.650	-56.50	389.97	-69.70
47000	0.132209	1.94295	279.785	13396.1	3.95587	0.175842	0.0004180	0.215406	0.751865	216.650	-56.50	389.97	-69.70
48000	0.126005	1.85177	266.656	12767.5	3.77023	0.167590	0.0003983	0.205298	0.751865	216.650	-56.50	389.97	-69.70
49000	0.120092	1.76487	254.142	12168.3	3.59331	0.159726	0.0003797	0.195664	0.751865	216.650	-56.50	389.97	-69.70
50000	0.114457	1.68206	242.216	11597.3	3.42469	0.152230	0.0003618	0.186482	0.751865	216.650	-56.50	389.97	-69.70
51000	0.109086	1.60312	230.850	11053.1	3.26398	0.145087	0.0003449	0.177731	0.751865	216.650	-56.50	389.97	-69.70
52000	0.103967	1.52789	220.017	10534.4	3.11081	0.138278	0.0003287	0.169391	0.751865	216.650	-56.50	389.97	-69.70
53000	0.099088	1.45620	209.693	10040.1	2.96484	0.131790	0.0003133	0.161442	0.751865	216.650	-56.50	389.97	-69.70
54000	0.094438	1.38786	199.853	9568.9	2.82571	0.125605	0.0002986	0.153866	0.751865	216.650	-56.50	389.97	-69.70
55000	0.090006	1.32273	190.474	9119.9	2.69311	0.119711	0.0002845	0.146646	0.751865	216.650	-56.50	389.97	-69.70
56000	0.085783	1.26066	181.536	8691.9	2.56673	0.114093	0.0002712	0.139764	0.751865	216.650	-56.50	389.97	-69.70
57000	0.081757	1.20151	173.017	8284.1	2.44628	0.108739	0.0002585	0.133206	0.751865	216.650	-56.50	389.97	-69.70
58000	0.077921	1.14512	164.898	7895.3	2.33149	0.103637	0.0002463	0.126955	0.751865	216.650	-56.50	389.97	-69.70
59000	0.074264	1.09139	157.160	7524.8	2.22208	0.098773	0.0002348	0.120997	0.751865	216.650	-56.50	389.97	-69.70
60000	0.070779	1.04017	149.785	7171.7	2.11781	0.094138	0.0002238	0.115319	0.751865	216.650	-56.50	389.97	-69.70
61000	0.067458	0.99136	142.756	6835.2	2.01842	0.089721	0.0002133	0.109908	0.751865	216.650	-56.50	389.97	-69.70
62000	0.064292	0.94484	136.057	6514.4	1.92371	0.085510	0.0002032	0.104750	0.751865	216.650	-56.50	389.97	-69.70
63000	0.061275	0.90050	129.673	6208.7	1.83344	0.081498	0.0001937	0.099835	0.751865	216.650	-56.50	389.97	-69.70
64000	0.058400	0.85825	123.588	5917.4	1.74740	0.077673	0.0001846	0.095150	0.751865	216.650	-56.50	389.97	-69.70
65000	0.055659	0.81797	117.788	5639.7	1.66540	0.074028	0.0001760	0.090685	0.751865	216.650	-56.50	389.97	-69.70
65617	0.054034	0.79408	114.347	5475.0	1.61675	0.071866	0.0001708	0.088036	0.751865	216.650	-56.50	389.97	-69.70