

# Adiabatic Lapse Rate

3.566 °/1000 ft

## Surface Temperature °F

Altitude Agl (feet)	Surface Temperature °F																				
	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	100.0
-	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	100.0
500	-1.8	3.2	8.2	13.2	18.2	23.2	28.2	33.2	38.2	43.2	48.2	53.2	58.2	63.2	68.2	73.2	78.2	83.2	88.2	93.2	98.2
1,000	-3.6	1.4	6.4	11.4	16.4	21.4	26.4	31.4	36.4	41.4	46.4	51.4	56.4	61.4	66.4	71.4	76.4	81.4	86.4	91.4	96.4
1,500	-5.3	-0.3	4.7	9.7	14.7	19.7	24.7	29.7	34.7	39.7	44.7	49.7	54.7	59.7	64.7	69.7	74.7	79.7	84.7	89.7	94.7
2,000	-7.1	-2.1	2.9	7.9	12.9	17.9	22.9	27.9	32.9	37.9	42.9	47.9	52.9	57.9	62.9	67.9	72.9	77.9	82.9	87.9	92.9
2,500	-8.9	-3.9	1.1	6.1	11.1	16.1	21.1	26.1	31.1	36.1	41.1	46.1	51.1	56.1	61.1	66.1	71.1	76.1	81.1	86.1	91.1
3,000	-10.7	-5.7	-0.7	4.3	9.3	14.3	19.3	24.3	29.3	34.3	39.3	44.3	49.3	54.3	59.3	64.3	69.3	74.3	79.3	84.3	89.3
3,500	-12.5	-7.5	-2.5	2.5	7.5	12.5	17.5	22.5	27.5	32.5	37.5	42.5	47.5	52.5	57.5	62.5	67.5	72.5	77.5	82.5	87.5
4,000	-14.3	-9.3	-4.3	0.7	5.7	10.7	15.7	20.7	25.7	30.7	35.7	40.7	45.7	50.7	55.7	60.7	65.7	70.7	75.7	80.7	85.7
4,500	-16.0	-11.0	-6.0	-1.0	4.0	9.0	14.0	19.0	24.0	29.0	34.0	39.0	44.0	49.0	54.0	59.0	64.0	69.0	74.0	79.0	84.0
5,000	-17.8	-12.8	-7.8	-2.8	2.2	7.2	12.2	17.2	22.2	27.2	32.2	37.2	42.2	47.2	52.2	57.2	62.2	67.2	72.2	77.2	82.2
5,500	-19.6	-14.6	-9.6	-4.6	0.4	5.4	10.4	15.4	20.4	25.4	30.4	35.4	40.4	45.4	50.4	55.4	60.4	65.4	70.4	75.4	80.4
6,000	-21.4	-16.4	-11.4	-6.4	-1.4	3.6	8.6	13.6	18.6	23.6	28.6	33.6	38.6	43.6	48.6	53.6	58.6	63.6	68.6	73.6	78.6
6,500	-23.2	-18.2	-13.2	-8.2	-3.2	1.8	6.8	11.8	16.8	21.8	26.8	31.8	36.8	41.8	46.8	51.8	56.8	61.8	66.8	71.8	76.8
7,000	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0	70.0	75.0
7,500	-26.7	-21.7	-16.7	-11.7	-6.7	-1.7	3.3	8.3	13.3	18.3	23.3	28.3	33.3	38.3	43.3	48.3	53.3	58.3	63.3	68.3	73.3
8,000	-28.5	-23.5	-18.5	-13.5	-8.5	-3.5	1.5	6.5	11.5	16.5	21.5	26.5	31.5	36.5	41.5	46.5	51.5	56.5	61.5	66.5	71.5
8,500	-30.3	-25.3	-20.3	-15.3	-10.3	-5.3	-0.3	4.7	9.7	14.7	19.7	24.7	29.7	34.7	39.7	44.7	49.7	54.7	59.7	64.7	69.7
9,000	-32.1	-27.1	-22.1	-17.1	-12.1	-7.1	-2.1	2.9	7.9	12.9	17.9	22.9	27.9	32.9	37.9	42.9	47.9	52.9	57.9	62.9	67.9
9,500	-33.9	-28.9	-23.9	-18.9	-13.9	-8.9	-3.9	1.1	6.1	11.1	16.1	21.1	26.1	31.1	36.1	41.1	46.1	51.1	56.1	61.1	66.1
10,000	-35.7	-30.7	-25.7	-20.7	-15.7	-10.7	-5.7	-0.7	4.3	9.3	14.3	19.3	24.3	29.3	34.3	39.3	44.3	49.3	54.3	59.3	64.3
10,500	-37.4	-32.4	-27.4	-22.4	-17.4	-12.4	-7.4	-2.4	2.6	7.6	12.6	17.6	22.6	27.6	32.6	37.6	42.6	47.6	52.6	57.6	62.6
11,000	-39.2	-34.2	-29.2	-24.2	-19.2	-14.2	-9.2	-4.2	0.8	5.8	10.8	15.8	20.8	25.8	30.8	35.8	40.8	45.8	50.8	55.8	60.8
11,500	-41.0	-36.0	-31.0	-26.0	-21.0	-16.0	-11.0	-6.0	-1.0	4.0	9.0	14.0	19.0	24.0	29.0	34.0	39.0	44.0	49.0	54.0	59.0
12,000	-42.8	-37.8	-32.8	-27.8	-22.8	-17.8	-12.8	-7.8	-2.8	2.2	7.2	12.2	17.2	22.2	27.2	32.2	37.2	42.2	47.2	52.2	57.2
12,500	-44.6	-39.6	-34.6	-29.6	-24.6	-19.6	-14.6	-9.6	-4.6	0.4	5.4	10.4	15.4	20.4	25.4	30.4	35.4	40.4	45.4	50.4	55.4
13,000	-46.4	-41.4	-36.4	-31.4	-26.4	-21.4	-16.4	-11.4	-6.4	-1.4	3.6	8.6	13.6	18.6	23.6	28.6	33.6	38.6	43.6	48.6	53.6
13,500	-48.1	-43.1	-38.1	-33.1	-28.1	-23.1	-18.1	-13.1	-8.1	-3.1	1.9	6.9	11.9	16.9	21.9	26.9	31.9	36.9	41.9	46.9	51.9
14,000	-49.9	-44.9	-39.9	-34.9	-29.9	-24.9	-19.9	-14.9	-9.9	-4.9	0.1	5.1	10.1	15.1	20.1	25.1	30.1	35.1	40.1	45.1	50.1
14,500	-51.7	-46.7	-41.7	-36.7	-31.7	-26.7	-21.7	-16.7	-11.7	-6.7	-1.7	3.3	8.3	13.3	18.3	23.3	28.3	33.3	38.3	43.3	48.3
15,000	-53.5	-48.5	-43.5	-38.5	-33.5	-28.5	-23.5	-18.5	-13.5	-8.5	-3.5	1.5	6.5	11.5	16.5	21.5	26.5	31.5	36.5	41.5	46.5
15,500	-55.3	-50.3	-45.3	-40.3	-35.3	-30.3	-25.3	-20.3	-15.3	-10.3	-5.3	-0.3	4.7	9.7	14.7	19.7	24.7	29.7	34.7	39.7	44.7
16,000	-57.1	-52.1	-47.1	-42.1	-37.1	-32.1	-27.1	-22.1	-17.1	-12.1	-7.1	-2.1	2.9	7.9	12.9	17.9	22.9	27.9	32.9	37.9	42.9
16,500	-58.8	-53.8	-48.8	-43.8	-38.8	-33.8	-28.8	-23.8	-18.8	-13.8	-8.8	-3.8	1.2	6.2	11.2	16.2	21.2	26.2	31.2	36.2	41.2
17,000	-60.6	-55.6	-50.6	-45.6	-40.6	-35.6	-30.6	-25.6	-20.6	-15.6	-10.6	-5.6	-0.6	4.4	9.4	14.4	19.4	24.4	29.4	34.4	39.4
17,500	-62.4	-57.4	-52.4	-47.4	-42.4	-37.4	-32.4	-27.4	-22.4	-17.4	-12.4	-7.4	-2.4	2.6	7.6	12.6	17.6	22.6	27.6	32.6	37.6
18,000	-64.2	-59.2	-54.2	-49.2	-44.2	-39.2	-34.2	-29.2	-24.2	-19.2	-14.2	-9.2	-4.2	0.8	5.8	10.8	15.8	20.8	25.8	30.8	35.8