

Tables of cloud-bounce elevation angles v 1.0, G8AGN 28 Feb 2012

Cloud heights in METAR reports are normally given in feet above ground level

Table of Cloudbounce Elevation Angle in degrees												
MILES	5	10	15	20	25	30	35	40	45	50	55	60
FEET												
500	2.2	1.1	0.7	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2
1000	4.3	2.2	1.4	1.1	0.9	0.7	0.6	0.5	0.5	0.4	0.4	0.4
1500	6.5	3.3	2.2	1.6	1.3	1.1	0.9	0.8	0.7	0.7	0.6	0.5
2000	8.6	4.3	2.9	2.2	1.7	1.4	1.2	1.1	1.0	0.9	0.8	0.7
2500	10.7	5.4	3.6	2.7	2.2	1.8	1.5	1.4	1.2	1.1	1.0	0.9
3000	12.8	6.5	4.3	3.3	2.6	2.2	1.9	1.6	1.4	1.3	1.2	1.1
3500	14.9	7.6	5.1	3.8	3.0	2.5	2.2	1.9	1.7	1.5	1.4	1.3
4000	16.9	8.6	5.8	4.3	3.5	2.9	2.5	2.2	1.9	1.7	1.6	1.4
4500	18.8	9.7	6.5	4.9	3.9	3.3	2.8	2.4	2.2	2.0	1.8	1.6
5000	20.7	10.7	7.2	5.4	4.3	3.6	3.1	2.7	2.4	2.2	2.0	1.8
5500	22.6	11.8	7.9	5.9	4.8	4.0	3.4	3.0	2.7	2.4	2.2	2.0
6000	24.4	12.8	8.6	6.5	5.2	4.3	3.7	3.3	2.9	2.6	2.4	2.2
6500	26.2	13.8	9.3	7.0	5.6	4.7	4.0	3.5	3.1	2.8	2.6	2.3
7000	27.9	14.9	10.0	7.6	6.1	5.1	4.3	3.8	3.4	3.0	2.8	2.5
7500	29.6	15.9	10.7	8.1	6.5	5.4	4.6	4.1	3.6	3.3	3.0	2.7
8000	31.2	16.9	11.4	8.6	6.9	5.8	4.9	4.3	3.9	3.5	3.2	2.9
8500	32.8	17.8	12.1	9.1	7.3	6.1	5.3	4.6	4.1	3.7	3.4	3.1
9000	34.3	18.8	12.8	9.7	7.8	6.5	5.6	4.9	4.3	3.9	3.5	3.3
9500	35.7	19.8	13.5	10.2	8.2	6.8	5.9	5.1	4.6	4.1	3.7	3.4
10000	37.1	20.7	14.2	10.7	8.6	7.2	6.2	5.4	4.8	4.3	3.9	3.6

Table of Cloudbounce Elevation Angle in degrees												
KM	10	20	30	40	50	60	70	80	90	100	110	120
FEET												
500	1.7	0.9	0.6	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1
1000	3.5	1.7	1.2	0.9	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.3
1500	5.2	2.6	1.7	1.3	1.0	0.9	0.7	0.7	0.6	0.5	0.5	0.4
2000	7.0	3.5	2.3	1.7	1.4	1.2	1.0	0.9	0.8	0.7	0.6	0.6
2500	8.7	4.4	2.9	2.2	1.7	1.5	1.2	1.1	1.0	0.9	0.8	0.7
3000	10.4	5.2	3.5	2.6	2.1	1.7	1.5	1.3	1.2	1.0	1.0	0.9
3500	12.0	6.1	4.1	3.1	2.4	2.0	1.7	1.5	1.4	1.2	1.1	1.0
4000	13.7	7.0	4.6	3.5	2.8	2.3	2.0	1.7	1.6	1.4	1.3	1.2
4500	15.3	7.8	5.2	3.9	3.1	2.6	2.2	2.0	1.7	1.6	1.4	1.3
5000	17.0	8.7	5.8	4.4	3.5	2.9	2.5	2.2	1.9	1.7	1.6	1.5
5500	18.5	9.5	6.4	4.8	3.8	3.2	2.7	2.4	2.1	1.9	1.7	1.6
6000	20.1	10.4	7.0	5.2	4.2	3.5	3.0	2.6	2.3	2.1	1.9	1.7
6500	21.6	11.2	7.5	5.7	4.5	3.8	3.2	2.8	2.5	2.3	2.1	1.9
7000	23.1	12.0	8.1	6.1	4.9	4.1	3.5	3.1	2.7	2.4	2.2	2.0
7500	24.6	12.9	8.7	6.5	5.2	4.4	3.7	3.3	2.9	2.6	2.4	2.2
8000	26.0	13.7	9.2	7.0	5.6	4.6	4.0	3.5	3.1	2.8	2.5	2.3
8500	27.4	14.5	9.8	7.4	5.9	4.9	4.2	3.7	3.3	3.0	2.7	2.5
9000	28.8	15.3	10.4	7.8	6.3	5.2	4.5	3.9	3.5	3.1	2.9	2.6
9500	30.1	16.1	10.9	8.2	6.6	5.5	4.7	4.1	3.7	3.3	3.0	2.8
10000	31.4	17.0	11.5	8.7	7.0	5.8	5.0	4.4	3.9	3.5	3.2	2.9