

### Tabela de Alcance Geográfico

Elevação em metros	Altura dos olhos do observador em metros																						
	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	22	24	26	28	30	35	40	45
	Alcance em milhas náuticas																						
0	2.0	2.9	3.5	4.1	4.5	5.0	5.4	5.7	6.1	6.4	7.0	7.6	8.1	8.6	9.1	9.5	10.0	10.4	10.7	11.1	12.0	12.8	13.6
1	4.1	4.9	5.5	6.1	6.6	7.0	7.4	7.8	8.1	8.5	9.1	9.6	10.2	10.6	11.1	11.6	12.0	12.4	12.8	13.2	14.0	14.9	15.7
2	4.9	5.7	6.4	6.9	7.4	7.8	8.2	8.6	9.0	9.3	9.9	10.5	11.0	11.5	12.0	12.4	12.8	13.2	13.6	14.0	14.9	15.7	16.5
3	5.5	6.4	7.0	7.6	8.1	8.5	8.9	9.3	9.6	9.9	10.6	11.1	11.6	12.1	12.6	13.0	13.5	13.9	14.3	14.6	15.5	16.4	17.1
4	6.1	6.9	7.6	8.1	8.6	9.0	9.4	9.8	10.2	10.5	11.1	11.7	12.2	12.7	13.1	13.6	14.0	14.4	14.8	15.2	16.1	16.9	17.7
5	6.6	7.4	8.1	8.6	9.1	9.5	9.9	10.3	10.6	11.0	11.6	12.1	12.7	13.2	13.6	14.1	14.5	14.9	15.3	15.7	16.6	17.4	18.2
6	7.0	7.8	8.5	9.0	9.5	9.9	10.3	10.7	11.1	11.4	12.0	12.6	13.1	13.6	14.1	14.5	14.9	15.3	15.7	16.1	17.0	17.8	18.6
7	7.4	8.2	8.9	9.4	9.9	10.3	10.7	11.1	11.5	11.8	12.4	13.0	13.5	14.0	14.5	14.9	15.3	15.7	16.1	16.5	17.4	18.2	19.0
8	7.8	8.6	9.3	9.8	10.3	10.7	11.1	11.5	11.8	12.2	12.8	13.3	13.9	14.4	14.8	15.3	15.7	16.1	16.5	16.9	17.8	18.6	19.4
9	8.1	9.0	9.6	10.2	10.6	11.1	11.5	11.8	12.2	12.5	13.1	13.7	14.2	14.7	15.2	15.6	16.0	16.4	16.8	17.2	18.1	18.9	19.7
10	8.5	9.3	9.9	10.5	10.0	11.4	11.8	12.2	12.5	12.8	13.5	14.0	14.5	15.0	15.5	15.9	16.4	16.8	17.2	17.5	18.4	19.3	20.0
11	8.8	9.6	10.3	10.8	11.3	11.7	12.1	12.5	12.8	13.2	13.8	14.3	14.9	15.4	15.8	16.3	16.7	17.1	17.5	17.9	18.8	19.6	20.4
12	9.1	9.9	10.6	11.1	11.6	12.0	12.4	12.8	13.1	13.5	14.1	14.6	15.2	15.7	16.1	16.6	17.0	17.4	17.8	18.2	19.1	19.9	20.7
13	9.4	10.2	10.8	11.4	11.9	12.3	12.7	13.1	13.4	13.7	14.4	14.9	15.4	15.9	16.4	16.8	17.3	17.7	18.1	18.4	19.3	20.2	20.9
14	9.6	10.5	11.1	11.7	12.1	12.6	13.0	13.3	13.7	14.0	14.6	15.2	15.7	16.2	16.7	17.1	17.6	18.0	18.3	18.7	19.6	20.4	21.2
15	9.9	10.7	11.4	11.9	12.4	12.8	13.2	13.6	14.0	14.3	14.9	15.5	16.0	16.5	17.0	17.4	17.8	18.2	18.6	19.0	19.9	20.7	21.5
16	10.2	11.0	11.6	12.2	12.7	13.1	13.5	13.9	14.2	14.5	15.2	15.7	16.2	16.7	17.2	17.7	18.1	18.5	18.9	19.2	20.1	21.0	21.7
17	10.4	11.2	11.9	12.4	12.9	13.3	13.7	14.1	14.5	14.8	15.4	16.0	16.5	17.0	17.4	17.9	18.3	18.7	19.1	19.5	20.4	21.2	22.0
18	10.6	11.5	12.1	12.7	13.2	13.6	14.0	14.4	14.7	15.0	15.7	16.2	16.7	17.2	17.7	18.1	18.6	19.0	19.4	19.7	20.6	21.5	22.2
19	10.9	11.7	12.4	12.9	13.4	13.8	14.2	14.6	14.9	15.3	15.9	16.5	17.0	17.5	17.9	18.4	18.8	19.2	19.6	20.0	20.9	21.7	22.5
20	11.1	12.0	12.6	13.1	13.6	14.1	14.5	14.8	15.2	15.5	16.1	16.7	17.2	17.7	18.2	18.6	19.0	19.4	19.8	20.2	21.1	21.9	22.7
22	11.6	12.4	13.0	13.6	14.1	14.5	14.9	15.3	15.6	15.9	16.6	17.1	17.7	18.1	18.6	19.1	19.5	19.9	20.3	20.7	21.5	22.4	23.2
24	12.0	12.8	13.5	14.0	14.5	14.9	15.3	15.7	16.0	16.4	17.0	17.6	18.1	18.6	19.0	19.5	19.9	20.3	20.7	21.1	22.0	22.8	23.6
26	12.4	13.2	13.9	14.4	14.9	15.3	15.7	16.1	16.4	16.8	17.4	18.0	18.5	19.0	19.4	19.9	20.3	20.7	21.1	21.5	22.4	23.2	24.0
28	12.8	13.6	14.3	14.8	15.3	15.7	16.1	16.5	16.8	17.2	17.8	18.3	18.9	19.4	19.8	20.3	20.7	21.1	21.5	21.9	22.8	23.6	24.4
30	13.2	14.0	14.6	15.2	15.7	16.1	16.5	16.9	17.2	17.5	18.2	18.7	19.2	19.7	20.2	20.7	21.1	21.5	21.9	22.2	23.1	24.0	24.7
35	14.0	14.9	15.5	16.1	16.6	17.0	17.4	17.8	18.1	18.4	19.1	19.6	20.1	20.6	21.1	21.5	22.0	22.4	22.8	23.1	24.0	24.9	25.6
40	14.9	15.7	16.4	16.9	17.4	17.8	18.2	18.6	18.9	19.3	19.9	20.4	21.0	21.5	21.9	22.4	22.8	23.2	23.6	24.0	24.9	25.7	26.5
45	15.7	16.5	17.1	17.7	18.2	18.6	19.0	19.4	19.7	20.0	20.7	21.2	21.7	22.2	22.7	23.2	23.6	24.0	24.4	24.7	25.6	26.5	27.2
50	16.4	17.2	17.9	18.4	18.9	19.3	19.7	20.1	20.5	20.8	21.4	22.0	22.5	23.0	23.4	23.9	24.3	24.7	25.1	25.5	26.4	27.2	28.0
55	17.1	17.9	18.6	19.1	19.6	20.0	20.4	20.8	21.2	21.5	22.1	22.7	23.2	23.7	24.1	24.6	25.0	25.4	25.8	26.2	27.1	27.9	28.7
60	17.8	18.6	19.3	19.8	20.3	20.7	21.1	21.5	21.8	22.2	22.8	23.3	23.9	24.3	24.8	25.3	25.7	26.1	26.5	26.9	27.7	28.6	29.4
65	18.4	19.2	19.9	20.4	20.9	21.4	21.7	22.1	22.5	22.8	23.4	24.0	24.5	25.0	25.5	25.9	26.3	26.7	27.1	27.5	28.4	29.2	30.0
70	19.0	19.9	20.5	21.1	21.5	22.0	22.4	22.7	23.1	23.4	24.0	24.6	25.1	25.6	26.1	26.5	26.9	27.4	27.7	28.1	29.0	29.8	30.6
75	19.6	20.5	21.1	21.7	22.1	22.6	23.0	23.3	23.7	24.0	24.6	25.2	25.7	26.2	26.7	27.1	27.5	27.9	28.3	28.7	29.6	30.4	31.2
80	20.2	21.0	21.7	22.2	22.7	23.1	23.5	23.9	24.3	24.6	25.2	25.8	26.3	26.8	27.3	27.7	28.1	28.5	28.9	29.3	30.2	31.0	31.8
85	20.8	21.6	22.2	22.8	23.3	23.7	24.1	24.5	24.8	25.1	25.8	26.3	26.9	27.3	27.8	28.3	28.7	29.1	29.5	29.9	30.7	31.6	32.4
90	21.3	22.1	22.8	23.3	23.8	24.2	24.6	25.0	25.4	25.7	26.3	26.9	27.4	27.9	28.4	28.8	29.2	29.6	30.0	30.4	31.3	32.1	32.9
95	21.8	22.7	23.3	23.9	24.3	24.8	25.2	25.5	25.9	26.2	26.8	27.4	27.9	28.4	28.9	29.3	29.7	30.1	30.5	30.9	31.8	32.6	33.4
100	22.3	23.2	23.8	24.4	24.9	25.3	25.7	26.1	26.4	26.7	27.3	27.9	28.4	28.9	29.4	29.8	30.3	30.7	31.1	31.4	32.3	33.2	33.9
110	23.3	24.2	24.8	25.4	25.8	26.3	26.7	27.0	27.4	27.7	28.3	28.9	29.4	29.9	30.4	30.8	31.3	31.7	32.1	32.4	33.3	34.1	34.9
120	24.3	25.1	25.8	26.3	26.8	27.2	27.6	28.0	28.3	28.7	29.3	29.8	30.4	30.9	31.3	31.8	32.2	32.6	33.0	33.4	34.3	35.1	35.9
130	25.2	26.0	26.7	27.2	27.7	28.1	28.5	28.9	29.2	29.6	30.2	30.8	31.3	31.8	32.2	32.7	33.1	33.5	33.9	34.3	35.2	36.0	36.8
140	26.1	26.9	27.6	28.1	28.6	29.0	29.4	29.8	30.1	30.5	31.1	31.6	32.2	32.6	33.1	33.6	34.0	34.4	34.8	35.2	36.0	36.9	37.7
150	26.9	27.7	28.4	28.9	29.4	29.9	30.2	30.6	31.0	31.3	31.9	32.5	33.0	33.5	34.0	34.4	34.8	35.2	35.6	36.0	36.9	37.7	38.5
160	27.7	28.6	29.2	29.8	30.2	30.7	31.1	31.4	31.8	32.1	32.7	33.3	33.8	34.3	34.8	35.2	35.6	36.0	36.4	36.8	37.7	38.5	39.3
170	28.5	29.4	30.0	30.5	31.0	31.5	31.9	32.2	32.6	32.9	33.5	34.1	34.6	35.1	35.6	36.0	36.4	36.8	37.2	37.6	38.5	39.3	40.1
180	29.3	30.1	30.8	31.3	31.8	32.2	32.6	33.0	33.3	33.7	34.3	34.9	35.4	35.9	36.3	36.8	37.2	37.6	38.0	38.4	39.3	40.1	40.9
190	30.0	30.9	31.5	32.1	32.5	33.0	33.4	33.7	34.1	34.4	35.0	35.6	36.1	36.6	37.1	37.5	37.9	38.4	38.7	39.1	40.0	40.8	41.6
200	30.8	31.6	32.2	32.8	33.3	33.7	34.1	34.5	34.8	35.1	35.8	36.3	36.8	37.3	37.8	38.3	38.7	39.1	39.5	39.8	40.7	41.6	42.3
220	32.2	33.0	33.6	34.2	34.7	35.1	35.5	35.9	36.2	36.5	37.2	37.7	38.3	38.7	39.2	39.7	40.1	40.5	40.9	41.4	42.1	43.0	43.8
240	33.5	34.3	35.0	35.5	36.0	36.4	36.8	37.2	37.6	37.9	38.5	39.1	39.6	40.1	40.4	41.0	41.4	41.8	42.2	42.6	43.5	44.3	45.1
260	34.8	35.6	36.3	36.8	37.3	37.7	38.1	38.5	38.8	39.2	39.8	40.4	40.9	41.4	41.8	42.3	42.7	43.1	43.5	43.9	44.8	45.6	46.4
280	36.0	36.9	37.5	38.0	38.5	39.0	39.4	39.7	40.1	40.4	41.0	41.6	42.1	42.6	43.1	43.5	43.9	44.3	44.7	45.1	46.0	46.8	47.6
300	37.2	38.1	38.7	39.2	39.7	40.2	40.6	40.9	41.3	41.6	42.2	42.8	43.3	43.8	44.3	44.7	45.1	45.5	45.9	46.3	47.2	48.0	48.8
320	38.4	39.2	39																				