

## FLIGHT PLANNING

230mm x 230mm (9" x 9") format

Photo Scale	Height (m)			Width (m)		Base (m)	Model Area	Earth Curvature
	88mm SWA	152mm WA	304mm NA	25% SL	30% SL	60% FL	sq kms	m (on PP's)
1:800		120		136	128	73	1.0ha	
1:1,000	-	-	304	170	160	90	1.5ha	
1:1,500	-	-	460	260	240	140	3.5ha	
1:2,000	-	300	600	345	320	185	6.5ha	
1:3,000	260	460	910	510	480	270	14ha	
1:4,000	350	610	1,220	680	640	360	25ha	
1:5,000	440	760	1,520	860	800	460	40ha	0.02
1:6,000	530	910	1,820	1,030	960	550	57ha	1km diag.
1:7,000	620	1,060	2,130	1,200	1,120	640	77ha	
1:8,000	700	1,220	2,430	1,370	1,280	730	1.0	
1:9,000	790	1,370	2,740	1,540	1,440	820	1.3	
1:10,000	880	1,520	3,040	1,710	1,600	910	1.6	0.08
1:12,000	1,060	1,820	3,650	2,050	1,920	1,090	2.2	2km diag.
1:14,000	1,230	2,130	4,260	2,390	2,240	1,270	3.0	
1:15,000	1,320	2,280	4,560	2,570	2,400	1,370	3.5	0.13
1:16,000	1,410	2,430	4,860	2,740	2,560	1,460	4.0	
1:18,000	1,580	2,740	5,470	3,080	2,880	1,640	5.1	
1:20,000	1,760	3,040	6,080	3,420	3,200	1,820	6.2	0.3
1:22,000	1,940	3,340	6,690	3,760	3,520	2,000	7.5	4km diag.
1:24,000	2,110	3,650	7,300	4,100	3,840	2,180	8.9	
1:25,000	2,200	3,800	7,600	4,280	4,000	2,280	9.8	
1:26,000	2,290	3,950	7,900	4,450	4,160	2,370	10.5	
1:28,000	2,460	4,260	8,510	4,790	4,480	2,550	12.2	
1:30,000	2,640	4,560	9,120	5,130	4,800	2,730	14.0	0.7
1:32,000	2,820	4,860	9,730	5,470	5,120	2,910	15.9	6km diag.
1:34,000	2,990	5,170	10,340	5,810	5,440	3,090	18.0	
1:35,000	3,080	5,320	10,640	5,990	5,600	3,190	19.1	
1:36,000	3,170	5,470	10,940	6,160	5,760	3,280	20.2	
1:38,000	3,340	5,780	11,550	6,500	6,080	3,460	22.5	
1:40,000	3,520	6,080	12,160	6,840	6,400	3,640	24.9	1.3
1:42,000	3,700	6,380	12,770	7,180	6,720	3,820	27.4	8km diag.
1:44,000	3,870	6,690	13,380	7,520	7,040	4,000	30.1	
1:45,000	3,960	6,840	13,680	7,700	7,200	4,100	31.6	
1:46,000	4,050	6,990	13,980	7,870	7,360	4,190	33.0	
1:48,000	4,220	7,300	14,590	8,210	7,680	4,370	35.9	
1:50,000	4,400	7,600	15,200	8,550	8,000	4,550	38.9	2.0
1:55,000	4,840	8,360	16,720	9,400		5,000	47.0	10km diag.
1:60,000	5,280	9,120	18,240	10,350		5,460	56.2	
1:65,000	5,720	9,880	19,760	11,210		5,920	65.7	
1:70,000	6,160	10,640	21,280	12,080		6,370	76.4	
1:75,000	6,600	11,400	22,800	12,940		6,830	87.4	
1:80,000	7,040	12,160	24,320	13,800		7,280	100.0	5.0
1:90,000	7,920	13,680	27,360	15,520		8,190	126.0	16km diag.
1:100,000	8,800	15,200	30,400	17,250		9,100	156.0	7.8
1:120,000	10,560	18,240	36,480	20,700		10,900	223.0	20km diag.

Photo Scale =  $\frac{\text{Flying Height (m)}}{\text{Focal Length (mm)}} \times 1,000$

Distance in metres = Distance in feet x 0.3048