

DRIFT IN METERS

KNOTS	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
300' AGL	2.5	15	23	30	38	45	53	60	68	75	83	90	98	105	113
500' AGL	2.5	25	38	50	63	75	88	100	113	125	138	150	163	175	188
800' AGL	4.1	66	99	132	164	197	230	263	296	328	361	394	427	460	493
1000' AGL	4.1	82	123	164	205	246	287	328	369	410	451	492	533	574	615
1500' AGL	4.1	123	185	246	308	369	431	492	554	615	677	738	800	861	923

$$D = R \times T$$

70

R = 70 KNOTS (A/C SPEED)

x .51

METERS PER SECOND

70

350

35.70

x 4

T = 5 JUMPERS (4 SECONDS)

142.80 = 143 METERS D = LENGTH

(Add 200 meters for jumpers)

$$D = KAV$$

4.1

K = PERSONNEL DROP

x 15

A = 1500-AGL

205

41

61.5

x 5 V = KNOTS

307.5 = 308 METERS D = DRIFT

$$T = \frac{D}{R}$$

R

70

R = 70 KNOTS (A/C SPEED)

x .51

METERS PER SECOND

70

350

35.70 = 36 (ROUNDED UP)

8 SECONDS T = 8 SECONDS

36/300 D = DZ LENGTH = 300 METERS

288

12

0°

10°

20°

30°

40°

45°

90°

80°

70°

60°

50°



(30-GRAM HELIUM)

CONVERSION CHART FOR ELEVATION ANGLES TO WIND SPEED IN KNOTS

ANGLE	ALTITUDE IN FEET												TIME/HEIGHT ASCENSION RA
	500	750	1000	1250	1500	1750	2000	2500	3000	3500	4000	4500	
80	1	1	1	1	1	1	1	1	1	1	1	1	0:10/120
70	3	3	3	2	2	2	2	2	2	2	2	2	0:20/240
60	4	4	4	4	4	4	4	4	4	4	4	4	0:30/360
55	5	5	5	5	5	5	5	5	5	5	4	4	0:42/500
50	6	6	6	6	6	6	6	6	5	5	5	5	0:50/600
45	7	7	7	7	7	7	7	7	7	6	6	6	1:02/750
40	9	8	8	8	8	8	8	8	8	8	8	8	1:10/830
35	10	10	10	10	10	10	10	9	9	9	9	9	1:17/1000
30	12	12	12	12	12	12	12	11	11	11	11	11	1:48/1250
25	15	15	15	15	15	15	14	14	14	14	14	14	2:10/1500
24	16	16	15	15	15	15	14	14	14	14	14	14	2:34/1750
23	17	17	16	16	16	16	15	15	15	15	15	15	2:56/2000
22	18	18	17	17	17	17	17	16	16	16	16	16	3:43/2500
21	19	19	18	18	18	18	17	17	17	17	17	17	4:31/3000
20	20	20	19	19	19	19	18	18	18	18	18	17	5:21/3500
19	21	20	20	20	20	20	19	19	19	19	19	18	6:09/4000
18	22	22	21	21	21	21	21	20	20	20	20	20	7:00/4500
17	23	23	23	22	22	22	22	22	21	21	21	21	
16	25	25	24	24	24	24	23	23	23	23	22	22	
15	27	27	26	26	25	25	25	25	24	24	24	24	DAY—75"
14	29	29	28	27	27	27	27	27	26	26	26	25	NIGHT—94"
13	31	30	30	30	30	29	29	29	28	28	28	27	