

# Worldwide Soaring Turnpoint Exchange

## Unofficial Coordinates for the Deelen, Netherlands Control Points

Contest: ZCR/ZCD Seabreeze, 2004  
 Courtesy of Marcel Koevoet ( seabreeze@zcrotterdam.nl )

Dated: 23 June, 2004  
 Updated: 28 June, 2004  
 Time zone: MET, summer offset from GMT is 2:00 and in winter it is 1:00.

Zweefvliegclub Rotterdam

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### UNOFFICIAL, USE AT YOUR OWN RISK

Do not use for navigation, for flight verification only.

Always consult the relevant publications for current and correct information.

This service is provided free of charge with no warranties, expressed or implied.

User assumes all risk of use.

<i>Number</i>	<i>Name</i>	<i>Latitude</i> ° , ' , ''	<i>Longitude</i> ° , ' , ''	<i>Latitude</i> ° , ' , ''	<i>Longitude</i> ° , ' , ''	<i>Elevation</i> <i>Meters</i>	<i>Codes</i> <sup>*</sup>	<i>Description</i>	<i>Distance</i> <i>Km</i>	<i>Bearing</i>
1	Ahau/Legd	52 03 03 N	7 03 43 E	52 03.050 N	7 03.717 E	100	T		81	91
2	Aken WX	50 43 15 N	6 07 32 E	50 43.250 N	6 07.533 E	190	T		150	173
3	Aken TV	50 46 43 N	6 14 38 E	50 46.717 N	6 14.633 E	190	T		145	170
4	Alpen	51 33 53 N	6 29 23 E	51 33.883 N	6 29.383 E	1	T		70	142
5	Altenberge	52 02 40 N	7 26 54 E	52 02.667 N	7 26.900 E	100	T		108	91

Number	Name	Latitude ° , ' "	Longitude ° , ' "	Latitude ° , ' "	Longitude ° , ' "	Elevation Meters	Codes*	Description	Distance Km	Bearing
6	Ascheberg	51 47 45 N	7 38 05 E	51 47.750 N	7 38.083 E	100	T		124	103
7	Azelo Knoopp	52 18 40 N	6 41 50 E	52 18.667 N	6 41.833 E	100	T		62	64
8	Balen	51 14 06 N	5 09 51 E	51 14.100 N	5 09.850 E	50	T		104	208
9	Balkbrug	52 36 09 N	6 24 26 E	52 36.150 N	6 24.433 E	1	T		70	31
10	Barneveld	52 10 03 N	5 33 56 E	52 10.050 N	5 33.933 E	1	T		24	299
11	Beekum	51 46 46 N	8 01 58 E	51 46.767 N	8 01.967 E	150	T		151	101
12	Beetsterzwaag	53 03 48 N	6 03 12 E	53 03.800 N	6 03.200 E	1	T		112	6
13	Belfeld ST	51 19 10 N	6 06 50 E	51 19.167 N	6 06.833 E	50	T		84	169
14	Bocholt	51 50 00 N	6 37 44 E	51 50.000 N	6 37.733 E	40	T		58	116
15	Borger	52 55 23 N	6 47 07 E	52 55.383 N	6 47.117 E	40	T		114	32
16	Borken	51 51 14 N	7 00 23 E	51 51.233 N	7 00.383 E	48	T		81	106
17	Borken/Z	51 49 47 N	6 50 58 E	51 49.783 N	6 50.967 E	48	T		72	111
18	Bornerbro	52 17 33 N	6 38 22 E	52 17.550 N	6 38.367 E	1	T		58	64
19	Boxmeer	51 39 49 N	5 57 53 E	51 39.817 N	5 57.883 E	1	T		45	172
20	Cappeln	52 48 46 N	8 12 38 E	52 48.767 N	8 12.633 E	50	T		179	61
21	Coesfeld	51 55 37 N	7 10 19 E	51 55.617 N	7 10.317 E	100	T		90	99
22	Coevorden	52 39 32 N	6 42 56 E	52 39.533 N	6 42.933 E	1	T		87	40
23	Deil	51 51 25 N	5 13 43 E	51 51.417 N	5 13.717 E	1	T		50	243
24	Delden	52 14 31 N	6 39 03 E	52 14.517 N	6 39.050 E	1	T		57	69
25	Deventer	52 15 04 N	6 09 34 E	52 15.067 N	6 09.567 E	20	T		29	43
26	Dinlaken	51 34 43 N	6 41 07 E	51 34.717 N	6 41.117 E	65	T		78	134
27	<b>DL FNoord</b>	52 03 50 N	5 52 26 E	52 03.833 N	5 52.433 E	49	HFA	Finish Noord		
28	<i>DL FZuid</i>	52 03 01 N	5 52 01 E	52 03.017 N	5 52.017 E	49	FA	Finish Zuid	1.6	197
29	DL ST1	52 01 29 N	5 52 47 E	52 01.483 N	5 52.783 E	49	TA	hell De	4.4	175
30	DL ST2	52 01 36 N	5 49 42 E	52 01.600 N	5 49.700 E	49	TA	rug N310	5.2	217
31	DL ST3	52 05 46 N	5 49 03 E	52 05.767 N	5 49.050 E	49	TA	roeller	5.3	313
32	Doesburg	52 01 08 N	6 07 49 E	52 01.133 N	6 07.817 E	20	T		18	106
33	Dorsten	51 39 40 N	6 55 28 E	51 39.667 N	6 55.467 E	100	T		85	121
34	Dortmund	51 35 08 N	7 22 02 E	51 35.133 N	7 22.033 E	127	T		116	117
35	Dulmen	51 51 06 N	7 17 06 E	51 51.100 N	7 17.100 E	100	T		100	103
36	Dwingelo	52 48 53 N	6 27 41 E	52 48.883 N	6 27.683 E	30	T		92	25
37	Emmen	52 46 12 N	6 55 54 E	52 46.200 N	6 55.900 E	1	T		106	42
38	Emmerich	51 49 51 N	6 13 36 E	51 49.850 N	6 13.600 E	30	T		35	137
39	Emsdetten	52 11 02 N	7 32 35 E	52 11.033 N	7 32.583 E	30	T		115	83
40	Epe	52 20 05 N	6 00 36 E	52 20.083 N	6 00.600 E	20	T		32	17
41	Erwitte	51 35 02 N	8 18 49 E	51 35.033 N	8 18.817 E	25	T		176	107
42	Gescher	51 56 16 N	7 02 34 E	51 56.267 N	7 02.567 E	25	T		81	99
43	Gieten	53 00 37 N	6 44 58 E	53 00.617 N	6 44.967 E	5	T		121	29
44	Goch/W	51 39 21 N	6 10 50 E	51 39.350 N	6 10.833 E	25	T		50	155
45	Goor	52 13 37 N	6 36 09 E	52 13.617 N	6 36.150 E	1	T		53	70

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46	Gorkum	51 49 45 N	4 56 35 E	51 49.750 N	4 56.583 E	1	T		69	248
47	Grathem	51 10 44 N	5 50 47 E	51 10.733 N	5 50.783 E	1	T		98	181
48	Groenlo	52 02 04 N	6 37 29 E	52 02.067 N	6 37.483 E	20	T		51	93
49	Gronau	52 11 31 N	7 06 57 E	52 11.517 N	7 06.950 E	25	T		86	80
50	Haalen	51 12 34 N	5 54 50 E	51 12.567 N	5 54.833 E	100	T		95	178
51	Hamminkeln	51 44 55 N	6 35 26 E	51 44.917 N	6 35.433 E	50	T		60	125
52	Hardenberg	52 34 29 N	6 36 05 E	52 34.483 N	6 36.083 E	10	T		75	41
53	Hattenerb	52 29 11 N	6 01 25 E	52 29.183 N	6 01.417 E	25	T		48	12
54	Heerde	52 24 45 N	6 00 56 E	52 24.750 N	6 00.933 E		T		40	14
55	Holdorf	52 35 49 N	8 06 48 E	52 35.817 N	8 06.800 E	50	T		163	68
56	Hoogeveen	52 42 29 N	6 27 30 E	52 42.483 N	6 27.500 E	10	T		82	29
57	Horst	51 26 54 N	6 04 11 E	51 26.900 N	6 04.183 E	1	T		70	169
58	Huckel	51 03 30 N	6 11 32 E	51 03.500 N	6 11.533 E		T		114	169
59	Huenxe	51 38 40 N	6 44 27 E	51 38.667 N	6 44.450 E	30	T		76	128
60	Ibbenburen	52 15 26 N	7 42 42 E	52 15.433 N	7 42.700 E	50	T		127	80
61	Kaatsheuvel	51 39 14 N	5 03 19 E	51 39.233 N	5 03.317 E	1	T		72	231
62	Lingen	52 29 41 N	7 17 45 E	52 29.683 N	7 17.750 E	1	T		108	63
63	Lochem	52 09 59 N	6 23 41 E	52 09.983 N	6 23.683 E	10	T		37	72
64	Lotte	52 16 05 N	7 55 36 E	52 16.083 N	7 55.600 E	1	T		142	80
65	Markelo TV	52 14 13 N	6 26 29 E	52 14.217 N	6 26.483 E	1	T		43	63
66	Marl/N	51 42 20 N	7 08 53 E	51 42.333 N	7 08.883 E	70	T		96	114
67	Meer	51 27 12 N	4 43 17 E	51 27.200 N	4 43.283 E	1	T		104	230
68	Meijel	51 19 09 N	5 53 04 E	51 19.150 N	5 53.067 E	1	T		83	179
69	Melsungen	51 07 33 N	9 28 43 E	51 07.550 N	9 28.717 E	20	T		270	111
70	Meppel	52 43 46 N	6 12 05 E	52 43.767 N	6 12.083 E	1	T		77	17
71	Meschede TX	51 21 55 N	8 17 31 E	51 21.917 N	8 17.517 E	200	T		184	114
72	Moehnesee DM	51 29 23 N	8 03 36 E	51 29.383 N	8 03.600 E	200	T		163	112
73	Muenster	51 57 01 N	7 36 20 E	51 57.017 N	7 36.333 E	50	T		119	95
74	Nederweer	51 16 30 N	5 45 30 E	51 16.500 N	5 45.500 E	1	T		88	185
75	Nijmegen	51 53 25 N	5 29 51 E	51 53.417 N	5 29.850 E	20	T		32	233
76	Nijverdal	52 21 55 N	6 28 28 E	52 21.917 N	6 28.467 E	25	T		53	50
77	Nottulin	51 54 23 N	7 24 20 E	51 54.383 N	7 24.333 E	25	T		106	99
78	Ommen	52 31 01 N	6 25 24 E	52 31.017 N	6 25.400 E	15	T		63	36
79	Oss	51 44 13 N	5 30 34 E	51 44.217 N	5 30.567 E	10	T		44	215
80	Paderborn	51 42 18 N	8 42 17 E	51 42.300 N	8 42.283 E	244	T		198	100
81	Raalte	52 23 25 N	6 17 02 E	52 23.417 N	6 17.033 E	25	T		46	37
82	Rees	51 45 22 N	6 22 37 E	51 45.367 N	6 22.617 E	20	T		49	135
83	Rijssen	52 17 03 N	6 33 26 E	52 17.050 N	6 33.433 E	20	T		53	62
84	Rucphen	51 33 05 N	4 32 41 E	51 33.083 N	4 32.683 E	1	T		108	239
85	Senden	51 54 04 N	7 29 31 E	51 54.067 N	7 29.517 E	25	T		112	99

Number	Name	Latitude ° , ' "	Longitude ° , ' "	Latitude ° , ' "	Longitude ° , ' "	Elevation Meters	Codes*	Description	Distance Km	Bearing
86	Smilde TV	52 54 09 N	6 24 12 E	52 54.150 N	6 24.200 E	40	T		100	21
87	Soest	51 32 41 N	8 06 00 E	51 32.683 N	8 06.000 E	100	T		164	110
88	Stadthohn	51 59 40 N	6 50 50 E	51 59.667 N	6 50.833 E	48	T		67	96
89	Steinfurt	52 08 19 N	7 21 56 E	52 08.317 N	7 21.933 E	110	T		102	85
90	Stukenbrock	51 51 26 N	8 40 00 E	51 51.433 N	8 40.000 E	100	T		193	96
91	Tilburg	51 32 34 N	5 06 46 E	51 32.567 N	5 06.767 E	20	T		78	222
92	Turnhout	51 17 53 N	4 57 07 E	51 17.883 N	4 57.117 E	25	T		106	217
93	Varssevel	51 56 47 N	6 26 18 E	51 56.783 N	6 26.300 E	39	T		41	108
94	Veenendaal	52 02 32 N	5 33 18 E	52 02.533 N	5 33.300 E	20	T		22	264
95	Venlo	51 22 10 N	6 09 35 E	51 22.167 N	6 09.583 E	35	T		80	166
96	Vianen	51 58 33 N	5 06 09 E	51 58.550 N	5 06.150 E	1	T		54	260
97	Viersen	51 16 22 N	6 20 59 E	51 16.367 N	6 20.983 E	40	T		94	159
98	Vught	51 39 56 N	5 18 01 E	51 39.933 N	5 18.017 E	15	T		59	222
99	Weelde	51 23 33 N	4 56 16 E	51 23.550 N	4 56.267 E	1	T		99	221
100	Well	51 32 55 N	6 05 57 E	51 32.917 N	6 05.950 E	1	T		59	165
101	Wesel	51 38 43 N	6 36 25 E	51 38.717 N	6 36.417 E	30	T		69	132
102	Wijchen	51 48 53 N	5 40 45 E	51 48.883 N	5 40.750 E	15	T		31	206
103	Wildeshausen	52 54 54 N	8 26 06 E	52 54.900 N	8 26.100 E	100	T		198	60
104	Wittepaal	52 33 16 N	6 32 13 E	52 33.267 N	6 32.217 E	15	T		71	39
105	Zonzeel	51 38 43 N	4 41 31 E	51 38.717 N	4 41.517 E	1	T		94	241
106	Zutphen	52 08 42 N	6 11 25 E	52 08.700 N	6 11.417 E	1	T		23	67
107	Zwolle	52 30 01 N	6 03 18 E	52 30.017 N	6 03.300 E	1	T		50	14

**Codes\***

A: Airport  
F: Finish Point  
H: Home airport  
T: Turnpoint