

# Worldwide Soaring Turnpoint Exchange

## Unofficial Coordinates for the Castilla la Vieja, Spain Control Points

Courtesy of Angel Casado ( acasado@acm.org )

Dated: 10 May, 1999

Updated: 20 May, 2002

Magnetic Variation: 5

Time zone: MET, summer offset from GMT is 2:00 and in winter it is 1:00.

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User assumes all risk of use.

Number	Name	Latitude ° , ′ , ″	Longitude ° , ′ , ″	Elevation Meters	Codes* ID	Distance Km	Bearing
1	Gargantilla	40 15 01 N	5 55 08 W	40 15,017 N	5 55,131 W	642	T
2	Pantano Riofrío	40 51 49 N	4 05 57 W	40 51,817 N	4 05,950 W	1000	T
3	Monteagudo de las Vicarías	41 22 03 N	2 09 55 W	41 22,046 N	2 09,922 W	803	T
4	Hervás	40 16 32 N	5 51 23 W	40 16,534 N	5 51,375 W	688	T
5	Pantano Monteagudo de las Vicarías	41 22 40 N	2 10 50 W	41 22,667 N	2 10,833 W	T	99004
6	Aerodromo Fuentemilanos	40 53 19 N	4 14 15 W	40 53,317 N	4 14,250 W	1001	TAHSF
7	Aerodromo Santo Tomé	41 12 15 N	3 35 41 W	41 12,250 N	3 35,683 W	1100	TA
8	Almazán	41 29 17 N	2 31 54 W	41 29,288 N	2 31,897 W	938	T
9	Ariza	41 18 50 N	2 03 18 W	41 18,829 N	2 03,292 W	763	T
10	Ayllón	41 25 19 N	3 22 32 W	41 25,317 N	3 22,535 W	976	T
11	Berlanga de Duero	41 27 57 N	2 51 34 W	41 27,955 N	2 51,566 W	934	T
12	Cantalejo	41 15 35 N	3 55 33 W	41 15,576 N	3 55,545 W	967	T
13	Ciudad Rodrigo	40 35 55 N	6 31 58 W	40 35,911 N	6 31,966 W	658	T
14	Cuellar	41 24 17 N	4 18 58 W	41 24,291 N	4 18,963 W	878	T
15	El Barco de Avila	40 21 15 N	5 30 30 W	40 21,250 N	5 30,500 W	T	90006

Number	Name	Latitude ° , "	Longitude ° , "	Elevation Meters	Codes* ID	Distance Km	Bearing		
16	El Burgo de Osma	41 35 20 N	3 04 00 W	41 35,333 N	3 04,000 W	T	900005	125	56
17	El Espinar	40 43 05 N	4 15 30 W	40 43,083 N	4 15,500 W	T	99023	19	190
18	Pantano Palmacés	41 03 05 N	2 56 20 W	41 03,083 N	2 56,333 W	T	99024	111	85
19	Gomara	41 37 30 N	2 13 25 W	41 37,493 N	2 13,421 W	T	42096	187	68
20	Gormaz	41 29 42 N	3 00 24 W	41 29,696 N	3 00,392 W	T	42097	123	61
21	La Granja de San Ildefonso	40 52 23 N	4 00 18 W	40 52,383 N	4 00,300 W	T	99027	20	100
22	La Salceda	41 03 56 N	3 52 57 W	41 03,933 N	3 52,950 W	TL	99028	36	61
23	Leon	42 35 45 N	5 35 30 W	42 35,750 N	5 35,500 W	T	99029	221	335
24	Mengamuñoz	40 30 07 N	4 59 52 W	40 30,119 N	4 59,865 W	T	5125	77	241
25	Mojados	41 26 02 N	4 39 37 W	41 26,037 N	4 39,615 W	T	47090	70	335
26	Morón de Almazán	41 24 58 N	2 24 43 W	41 24,964 N	2 24,708 W	T	42123	164	73
27	Navalmazano	41 12 57 N	4 15 18 W	41 12,953 N	4 15,297 W	T	40141	36	3
28	Ojos Albos	40 43 25 N	4 30 55 W	40 43,417 N	4 30,917 W	T	99035	30	237
29	Olmedo	41 17 24 N	4 41 00 W	41 17,402 N	4 41,003 W	T	47104	58	325
30	Osorno	42 24 36 N	4 21 46 W	42 24,600 N	4 21,767 W	T	99038	169	2
31	Otero de los Herreros	40 48 10 N	4 12 00 W	40 48,167 N	4 12,000 W	T	99039	10	167
32	Peñafiel	41 35 51 N	4 07 02 W	41 35,855 N	4 07,041 W	T	47114	79	12
33	Piedrahita	40 27 54 N	5 19 36 W	40 27,898 N	5 19,594 W	T	5186	103	248
34	Plasencia	40 01 50 N	6 05 29 W	40 01,836 N	6 05,480 W	T	10148	184	244
35	Retortillo de Soria	41 18 45 N	2 58 46 W	41 18,748 N	2 58,764 W	T	42155	115	70
36	Riaza	41 16 51 N	3 28 33 W	41 16,853 N	3 28,557 W	T	40170	77	60
37	Riofrío	40 32 54 N	4 46 36 W	40 32,908 N	4 46,599 W	T	5195	59	235
38	San Esteban de Gormaz	41 34 35 N	3 12 25 W	41 34,586 N	3 12,421 W	T	42162	115	53
39	Aerodromo Sanchidrián	40 54 20 N	4 36 34 W	40 54,333 N	4 36,567 W	TA	99048	31	279
40	Sepúlveda	41 17 58 N	3 44 56 W	41 17,964 N	3 44,938 W	T	40195	61	47
41	Soria	41 45 52 N	2 27 54 W	41 45,864 N	2 27,898 W	T	42173	177	61
42	Tordesillas	41 30 11 N	5 00 00 W	41 30,190 N	4 -0,005 W	T	47165	93	322
43	Villacastín	40 46 58 N	4 24 39 W	40 46,964 N	4 24,646 W	T	40225	19	236
44	Villatoro	40 33 23 N	5 06 35 W	40 33,391 N	5 06,575 W	T	5263	82	249
45	Aerodromo Somosierra	41 08 47 N	3 35 38 W	41 08,783 N	3 35,633 W	TA	99056	61	67
46	Aerodromo Campolara	40 54 11 N	4 31 13 W	40 54,183 N	4 31,217 W	T	99507	24	279
47	Aerodromo Robledillo de Mohernando	40 51 55 N	3 14 52 W	40 51,917 N	3 14,867 W	TA	99511	83	96
48	Aerodromo León	42 35 42 N	5 39 05 W	42 35,700 N	5 39,083 W	TA	99500	223	334
49	Aerodromo Soria-Numancia	41 49 30 N	2 28 00 W	41 49,500 N	2 28,000 W	TA	99510	181	59
50	Aerodromo Cuenca-Sotos	40 12 15 N	2 08 38 W	40 12,250 N	2 08,633 W	TA	99524	193	118
51	Bercial	40 54 25 N	4 26 06 W	40 54,422 N	4 26,098 W	T	40028	17	282
52	Roturas	41 40 05 N	4 07 01 W	41 40,090 N	4 07,023 W	T	47137	87	12
53	Aerodromo Burgos-Villafría	42 21 16 N	3 37 09 W	42 21,274 N	3 37,147 W	TA	99528	171	22
54	Aranda de Duero	41 40 22 N	3 41 17 W	41 40,361 N	3 41,275 W	T	9018	99	33
55	La Pinilla	41 12 28 N	3 28 16 W	41 12,462 N	3 28,268 W	T	99542	73	66

Number	Name	Latitude ° , ''	Longitude ° , ''	Latitude ° , ''	Longitude ° , ''	Elevation Meters	Codes* ID	Distance Km	Bearing
56	Pantano los Angeles de San Rafael	40 46 43 N	4 14 39 W	40 46,714 N	4 14,656 W	1450	T	99543	12 188
57	Peñiaranda de Bracamonte	40 54 14 N	5 11 47 W	40 54,239 N	5 11,782 W	850	T	99544	81 277
58	Aerodromo Villacastín	40 47 02 N	4 27 46 W	40 47,033 N	4 27,767 W		TA	99057	22 244
59	Los Angeles de San Rafael	40 46 36 N	4 24 09 W	40 46,605 N	4 24,145 W		T	99058	19 233
60	Lerma	42 01 43 N	3 45 29 W	42 01,709 N	3 45,479 W	840	T	9194	133 22
61	Vadillo de la Sierra	40 36 27 N	5 07 31 W	40 36,448 N	5 07,510 W	1353	T	5251	81 253
62	Aerodromo Ayllón	41 24 39 N	3 26 54 W	41 24,650 N	3 26,900 W	1025	TA	99050	88 53
63	Aerodromo el Salobral	40 36 22 N	4 47 45 W	40 36,367 N	4 47,750 W	1080	TA	99063	57 241
64	Coca	41 13 10 N	4 31 15 W	41 13,173 N	4 31,247 W	785	T	40057	44 332
65	Hontanares	41 17 04 N	3 26 04 W	41 17,067 N	3 26,067 W	1420	T	99066	80 62
66	Medina del Campo	41 18 31 N	4 54 50 W	41 18,524 N	4 54,830 W	720	T	47085	73 315
67	Pantano Linares	41 31 38 N	3 32 42 W	41 31,633 N	3 32,700 W	960	T	99068	92 44
68	Pedraza	41 07 54 N	3 48 35 W	41 07,901 N	3 48,591 W	1071	T	40156	45 58
69	La Rasa	41 32 08 N	3 06 00 W	41 32,133 N	3 06,000 W	920	T	99060	119 58
70	Maranchón	41 02 56 N	2 12 21 W	41 02,931 N	2 12,345 W	1254	T	19170	172 88
71	La Cañada	40 35 30 N	4 29 50 W	40 35,500 N	4 29,833 W		T	99549	40 219
72	Bejar	40 23 18 N	5 45 58 W	40 23,293 N	5 45,967 W	959	T	37046	140 252
73	Benavente	42 00 10 N	5 40 43 W	42 00,172 N	5 40,720 W	747	T	49021	173 321
74	Riofrío de Riaza	41 14 57 N	3 26 53 W	41 14,946 N	3 26,890 W	1312	T	40172	77 64
75	Riofrío de Ávila	40 32 47 N	4 46 38 W	40 32,784 N	4 46,635 W		T	99562	59 235
76	Pantano Cuerda del Pozo	41 53 02 N	2 42 17 W	41 53,029 N	2 42,283 W		T	99571	169 54
77	Munana	40 35 26 N	5 05 30 W	40 35,440 N	5 05,493 W		T	99564	79 251
78	Sotallo	40 32 35 N	4 50 55 W	40 32,588 N	4 50,920 W	1157	T	5239	64 238
79	Encinillas	41 01 08 N	4 09 24 W	41 01,139 N	4 09,395 W	949	T	40072	16 30
80	Puerto de Menga	40 28 41 N	5 05 17 W	40 28,688 N	5 05,283 W		T	99567	85 243
81	Villafranca de Duero	41 26 03 N	5 17 54 W	41 26,052 N	5 17,906 W	659	T	47204	108 310
82	Sotalbos	41 02 01 N	3 57 06 W	41 02,015 N	3 57,100 W		T	99569	29 61
83	Montejo de Tiermes	41 22 11 N	3 11 54 W	41 22,182 N	3 11,906 W	1155	T	42120	102 63
84	Santa Coloma	42 22 07 N	2 39 17 W	42 22,111 N	2 39,291 W	766	T	26134	211 43
85	Antenas de Alto Rey	41 10 00 N	3 03 30 W	41 10,000 N	3 03,500 W		T	99900	104 77
86	Cabezuela del Valle	40 11 43 N	5 48 19 W	40 11,714 N	5 48,314 W	515	T	10035	153 245
87	Barahona	41 17 47 N	2 39 22 W	41 17,783 N	2 39,367 W	1137	T	99903	140 76
88	Pantano Burgomillodo	41 20 21 N	3 53 07 W	41 20,350 N	3 53,117 W	900	T	99905	58 35
89	Pantano Serones	40 40 32 N	4 27 30 W	40 40,533 N	4 27,500 W	1270	T	99906	30 223
90	La Torre	40 35 26 N	4 57 51 W	40 35,433 N	4 57,850 W	1150	T	99907	70 247
91	Turégano	41 09 26 N	4 00 20 W	41 09,440 N	4 00,336 W	935	T	40208	36 38
92	Cantimpalos	41 04 33 N	4 09 28 W	41 04,550 N	4 09,470 W	906	T	40041	22 23
93	Navalilla	41 20 31 N	3 55 51 W	41 20,512 N	3 55,856 W	902	T	40140	57 32
94	Aerodromo la Cerra	42 31 17 N	4 51 24 W	42 31,283 N	4 51,400 W		TA	99913	189 349
95	Solosancho	40 33 19 N	4 54 17 W	40 33,324 N	4 54,290 W	1119	T	5238	67

Number	Name	Latitude ° , "	Longitude ° , "	Elevation Meters	Codes* ID	Distance Km	Bearing			
96	Vadocondes	41 38 27 N	3 34 16 W	3 34,269 W	817	T	9400	100	38	
97	Madriguera	41 18 50 N	3 19 40 W	41 18,833 N	3 19,667 W	805	T	99916	90	63
98	Navafriá	41 03 30 N	3 49 24 W	41 03,494 N	3 49,395 W	1194	T	40139	40	66
99	Herradón de Pinares	40 33 59 N	4 33 32 W	40 33,989 N	4 33,534 W	925	T	5093	45	222
100	Cardenosa	40 44 36 N	4 44 32 W	40 44,607 N	4 44,537 W	1100	T	5049	45	254
101	Tremedal	40 20 46 N	5 36 36 W	40 20,767 N	5 36,600 W	T	99920	131	248	
102	Sigüenza	41 04 10 N	2 38 25 W	41 04,171 N	2 38,409 W	1005	T	99921	136	86
103	Abades	40 55 03 N	4 16 00 W	40 55,050 N	4 15,993 W	971	T	40001	4,0	328
104	Zamora	41 30 01 N	5 45 13 W	41 30,018 N	5 45,214 W	649	T	99923	144	304
105	San Lorenzo de el Escorial	40 35 37 N	4 08 38 W	40 35,623 N	4 08,626 W	1032	T	28131	34	171
106	Fuentidueña	41 26 59 N	3 58 26 W	41 26,983 N	3 58,433 W	T	99926	66	24	
107	Pedro	40 19 00 N	3 11 20 W	40 19,000 N	3 11,333 W	T	99927	109	130	
108	Grado del Pico	41 18 10 N	3 14 40 W	41 18,167 N	3 14,667 W	T	99928	95	66	
109	Blasó Sancho	40 50 22 N	4 37 18 W	40 50,367 N	4 37,300 W	T	99929	33	266	
110	La Bola del Mundo	40 47 09 N	3 58 51 W	40 47,150 N	3 58,850 W	T	99930	24	123	
111	Pantano el Espinar	40 47 20 N	4 06 00 W	40 47,333 N	4 06,000 W	T	99932	16	139	
112	Santo Domingo de las Posadas	40 48 49 N	4 37 54 W	40 48,815 N	4 37,901 W	924	T	99934	34	261
113	Milagros	41 34 35 N	3 41 47 W	41 34,588 N	3 41,788 W	848	T	9218	89	35
114	Aerodromo el Tietar/Casavieja/Igles.	40 14 38 N	4 47 40 W	40 14,633 N	4 47,667 W	T A	99937	86	218	
115	Aerodromo el Casar	40 44 09 N	3 25 32 W	40 44,150 N	3 25,533 W	T A	99938	70	109	
116	Aerodromo Camarenilla	40 01 13 N	4 04 23 W	40 01,217 N	4 04,383 W	T A	99939	98	177	
117	Aerodromo Madrid-Barajas	40 28 24 N	3 33 34 W	40 28,400 N	3 33,567 W	T A	99940	73	134	
118	Aerodromo Madrid-Cuatro Vientos	40 22 19 N	3 46 57 W	40 22,317 N	3 46,950 W	T A	99942	69	151	
119	Aerodromo Madrid-Getafe	40 17 43 N	3 43 21 W	40 17,717 N	3 43,350 W	T A	99943	79	151	
120	Aerodromo Colmenar Viejo	40 41 28 N	3 45 31 W	40 41,467 N	3 45,510 W	T A	99941	46	123	
121	Aerodromo Torrejón de Ardoz	40 29 17 N	3 27 25 W	40 29,283 N	3 27,417 W	665	T A	99944	79	129
122	Aerodromo Villanueva del Pardillo	40 34 04 N	3 59 28 W	40 34,067 N	3 59,467 W	744	T A	99945	41	155
123	Aerodromo Logroño-Agoncillo	40 27 09 N	2 19 09 W	40 27,151 N	2 19,150 W	T A	99946	169	111	
124	Burgos	42 20 32 N	3 42 10 W	42 20,535 N	3 42,172 W	929	T	9059	168	20
125	Avila	40 39 25 N	4 41 47 W	40 39,423 N	4 41,782 W	1131	T	5019	46	241
126	Roa	41 41 54 N	3 55 35 W	41 41,900 N	3 55,592 W	820	T	9321	94	21
127	Olmedillo de Roa	41 47 05 N	3 55 56 W	41 47,082 N	3 55,938 W	840	T	9235	103	19
128	Villafuella	41 55 11 N	3 54 41 W	41 55,182 N	3 54,676 W	896	T	9432	118	18
129	Valladolid	41 39 12 N	4 43 19 W	41 39,208 N	4 43,320 W	698	T	47186	94	340
130	Palencia	42 00 32 N	4 32 00 W	42 00,538 N	4 31,995 W	734	T	34120	127	354
131	Segovia	40 57 04 N	4 07 26 W	40 57,062 N	4 07,435 W	1002	T	40194	12	59
132	Aerodromo Loring	40 39 56 N	3 36 08 W	40 39,933 N	3 36,133 W	T A	99965	59	120	
133	Aerodromo Valdetorres	40 43 26 N	3 29 38 W	40 43,433 N	3 29,633 W	T A	99966	65	111	
134	Pantano Serones	40 41 00 N	4 29 00 W	40 41,000 N	4 29,000 W	1270	T	99967	31	227
135	Torre Sierra Estrella	40 15 45 N	8 28 00 W	40 15,750 N	8 28,000 W	T	99968	364		

Number	Name	Latitude ° , "	Longitude ° , "	Elevation Meters	Codes* ID	Distance Km	Bearing
136	Boceguillas	3 38 13 W	41 20,289 N	3 38,215 W	952 T	40032	71 50
137	Aranjuez	3 36 05 W	40 02,075 N	3 36,090 W	489 T	28013	109 155
138	Escalona	4 24 01 W	40 10,021 N	4 24,016 W	459 T	45061	81 195
139	Arcones	3 43 23 W	41 07,179 N	3 43,379 W	1153 T	40020	50 64
140	Praderna	3 41 14 W	41 08,404 N	3 41,229 W	1124 T	40162	54 64
141	Cerezo de Arriba	3 33 24 W	41 14,284 N	3 33,405 W	1129 T	40054	69 61
142	Gallegos	3 47 05 W	41 04,542 N	3 47,079 W	1241 T	40093	43 66
143	Torrecaballeros	4 01 24 W	40 59,653 N	4 01,401 W	1152 T	40203	21 62
144	Aldealpozo	2 12 19 W	41 46,961 N	2 12,321 W	1050 T	42011	197 64
145	Muñogalindo	4 54 00 W	40 36,302 N	4 54,003 W	1128 T	5138	64 246
146	Aerodromo Gallegos	3 45 50 W	41 04,250 N	3 45,833 W	TA	99026	45 68
147	Palacio de Riofrío	4 08 59 W	40 52,517 N	4 08,983 W	1000 T	90001	7,5 106
148	La Cruz de Hierro	4 28 35 W	40 42,817 N	4 28,583 W	T	90002	28 231
149	El Muyo	4 11 18 W	41 16,750 N	4 11,300 W	T	90003	44 10
150	Alcazar	4 41 30 W	41 21,833 N	4 41,500 W	TL	90007	65 329
151	Arcones	3 43 10 W	41 06,500 N	3 43,167 W	TL	90008	50 65
152	EL Burgo de Osma	3 01 33 W	41 35,417 N	3 01,550 W	TL	90009	128 57
153	Buitrago	3 39 11 W	40 59,000 N	3 39,183 W	TL	90010	50 83
154	Cantaloja	3 16 10 W	41 13,717 N	3 16,167 W	TL	90011	90 70
155	Cerezo	3 32 37 W	41 14,100 N	3 32,617 W	TL	90012	70 61
156	Factoría Dyc	4 04 23 W	40 55,517 N	4 04,383 W	TL	90013	14 79
157	Ficambr	3 18 20 W	41 30,050 N	3 18,333 W	TL	90014	104 54
158	Galvdso	3 10 34 W	41 13,233 N	3 10,567 W	TL	90015	96 72
159	Hienden	2 59 19 W	41 06,133 N	2 59,317 W	TL	90016	107 82
160	Larasa	3 05 34 W	41 30,917 N	3 05,567 W	TL	90017	118 59
161	Navalpe	4 24 54 W	40 35,183 N	4 24,900 W	TL	90018	37 209
162	Piedrah	5 21 36 W	40 28,833 N	5 21,600 W	TL	90019	105 250
163	Praderna	3 41 13 W	41 09,633 N	3 41,217 W	TL	90020	55 62
164	Recuerd	3 00 00 W	41 28,983 N	3 00,000 W	TL	90021	123 62
165	Riaza	3 30 55 W	41 16,333 N	3 30,917 W	TL	90022	74 60
166	Santill	3 48 53 W	40 44,400 N	3 48,883 W	TL	90023	39 120
167	Torrecaballeros	4 00 39 W	40 59,667 N	4 00,650 W	TL	90024	22 63
168	Urraca	4 32 20 W	40 40,250 N	4 32,333 W	TL	90025	35 231
169	Tornavacas	5 41 14 W	40 15,334 N	5 41,227 W	T	10183	141 246
170	Aldeapozo	2 12 18 W	41 46,967 N	2 12,300 W	T	90026	197 64
171	Puerto de la Peña Negra	5 18 12 W	40 25,300 N	5 18,200 W	T	90027	104 245
172	Signero	3 36 13 W	41 10,683 N	3 36,217 W	T	90028	62 64
173	Aerodromo Alcazaren	4 41 10 W	41 22,367 N	4 41,167 W	TA	90030	66 330
174	Becerril	3 21 30 W	41 17,666 N	3 21,500 W	T	90031	86 63
175	Aerodromo Casarrubios	4 01 35 W	40 14,100 N	4 01,583 W	TA	90035	75 171

Number	Name	Latitude ° , "	Longitude ° , "	Latitude ° , "	Longitude ° , "	Elevation Meters	Codes*	ID	Distance Km	Bearing
176	Aerodromo el Carrascal	41 49 29 N	4 53 35 W	41 49,483 N	4 53,583 W		TA	90037	118	337
177	Aerodromo Lugo de Llanera	43 25 47 N	5 51 24 W	43 25,783 N	5 51,400 W		TA	90040	312	340
178	Aerodromo Madrigalejo del Monte	42 07 56 N	3 43 50 W	42 07,933 N	3 43,833 W		TA	90043	145	22
179	Aerodromo Matilla de los Caños	41 31 50 N	4 55 30 W	41 31,833 N	4 55,500 W		TA	90045	92	326
180	Aerodromo Rozas	43 07 01 N	7 28 13 W	43 07,017 N	7 28,217 W		TA	90048	364	319
181	Aerodromo Torozos	41 47 02 N	4 51 54 W	41 47,033 N	4 51,900 W		TA	90050	112	337
182	Aerodromo Villaframil	43 33 09 N	7 05 16 W	43 33,150 N	7 05,267 W		TA	90051	378	328
183	Aerodromo Almorox	40 12 34 N	4 22 55 W	40 12,567 N	4 22,917 W		TA	90055	76	194

**Codes\***

- A: Airport
- F: Finish Point
- H: Home airport
- L: Landing point
- S: Start Point
- T: Turnpoint