

Worldwide Soaring Turnpoint Exchange

Unofficial Coordinates for the Grenchen, Switzerland Control Points

Contest: SM 2008

Courtesy of René Meier (meier@aeroclub.ch)

Dated: 26 April, 2008

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

Segelflug- und Motorfluggruppe and Segelfluggruppe Solothurn

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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> [*]	<i>Turnpoint</i>	<i>ID</i>	<i>Distance</i> <i>Km</i>	<i>Bearing</i>
101	AP1 Grenchenberg Nord	47 14 39 N	7 23 31 E	47 14,650 N	7 23,517 E	774	S			7,2	345
102	AP2 Balmberg	47 15 40 N	7 32 31 E	47 15,667 N	7 32,517 E	1041	S			13	47
103	AP3 Montoz	47 12 27 N	7 13 56 E	47 12,450 N	7 13,933 E	1262	S			14	282
104	AP4 Moron	47 15 48 N	7 16 29 E	47 15,800 N	7 16,483 E	1312	S			14	310
105	AP5 Moutier Klus	47 15 32 N	7 21 03 E	47 15,533 N	7 21,050 E	698	S			9,9	330

Number	Name	Latitude ° , ' , ''	Longitude ° , ' , ''	Latitude ° , ' , ''	Longitude ° , ' , ''	Elevation Meters	Codes*	Turnpoint	ID	Distance Km	Bearing
106	AP6 Hornegg	47 17 57 N	7 33 15 E	47 17,950 N	7 33,250 E	1055	S			17	38
107	AP7 Rondchattel	47 10 39 N	7 14 56 E	47 10,650 N	7 14,933 E	597	S			13	268
108	AP8 Buchegg	47 08 30 N	7 30 35 E	47 08,500 N	7 30,583 E	514	S			8,3	122
109	AP9 Zielebach	47 09 35 N	7 34 45 E	47 09,583 N	7 34,750 E	469	S			13	101
110	ZL Arch	47 09 40 N	7 25 56 E	47 09,667 N	7 25,933 E	800	F			2,6	152
111	Albertville	45 37 38 N	6 19 45 E	45 37,633 N	6 19,750 E	314	AT			192	206
112	Arbois	46 55 12 N	5 45 34 E	46 55,200 N	5 45,567 E	268	DT	GLD		129	258
113	Arnensee	46 23 40 N	7 13 28 E	46 23,667 N	7 13,467 E	1593	T			89	190
114	Auberson	46 49 04 N	6 27 29 E	46 49,067 N	6 27,483 E	1109	T			83	241
115	Bättighorn West	46 20 04 N	8 03 10 E	46 20,067 N	8 03,167 E	1513	T			106	153
116	Balmberg	47 16 01 N	7 32 19 E	47 16,017 N	7 32,317 E	1078	T			13	44
117	Balsthal	47 18 48 N	7 41 40 E	47 18,800 N	7 41,667 E	492	T			26	55
118	Barmelweid	47 25 13 N	7 58 11 E	47 25,217 N	7 58,183 E	771	T			49	57
119	Baume	47 21 14 N	6 21 20 E	47 21,233 N	6 21,333 E	294	T			82	284
120	Belchentunnel	47 21 15 N	7 50 10 E	47 21,250 N	7 50,167 E	608	T			37	59
121	Bellechasse	46 58 51 N	7 07 50 E	46 58,850 N	7 07,833 E	433	AT			31	224
122	Beromünster	47 11 28 N	8 12 20 E	47 11,467 N	8 12,333 E	654	AT			60	89
123	Biel	47 08 05 N	7 14 21 E	47 08,083 N	7 14,350 E	437	T	Seeende		14	249
124	Blaubeuren	48 25 15 N	9 48 00 E	48 25,250 N	9 48,000 E	676	T			225	51
125	Bleienbach	47 10 59 N	7 44 35 E	47 10,983 N	7 44,583 E	480	AT			25	89
126	Bretten	49 02 10 N	8 41 22 E	49 02,167 N	8 41,367 E	170	T	Bahnhof		227	24
127	Brugg Nord	47 29 31 N	8 11 52 E	47 29,517 N	8 11,867 E	404	T			68	59
128	Buttwil	47 15 53 N	8 18 09 E	47 15,883 N	8 18,150 E	723	AT			68	82
129	Champagnole Flpl	46 45 52 N	5 49 15 E	46 45,867 N	5 49,250 E	532	AT			130	250
130	Champagnole Nord	46 45 40 N	5 55 07 E	46 45,667 N	5 55,117 E	753	T			123	248
131	Chasseral	47 08 02 N	7 03 22 E	47 08,033 N	7 03,367 E	1533	T	Sender		28	259
132	Château d'Oex	46 28 29 N	7 08 00 E	46 28,483 N	7 08,000 E	958	T			81	195
133	Chatel St Denis	46 31 32 N	6 53 53 E	46 31,533 N	6 53,883 E	809	T			83	209
134	Chavalard West	46 10 35 N	7 05 42 E	46 10,583 N	7 05,700 E	2142	T			114	192
135	Courmayeur	45 47 34 N	6 58 27 E	45 47,567 N	6 58,450 E	1226	T			158	193
136	Court	47 14 19 N	7 20 21 E	47 14,317 N	7 20,350 E	670	T	Bahnhof		8,6	318
137	Courtelay	47 11 01 N	7 05 27 E	47 11,017 N	7 05,450 E	685	AT			25	271
138	Crap Sogn Gion	46 50 06 N	9 13 00 E	46 50,100 N	9 13,000 E	2213	T			142	105
139	Dagmersellen	47 12 48 N	7 59 23 E	47 12,800 N	7 59,383 E	481	T			43	85
140	Degerfeld	48 15 01 N	9 03 41 E	48 15,017 N	9 03,683 E	878	AT			171	45
141	Diesse	47 07 16 N	7 07 21 E	47 07,267 N	7 07,350 E	1102	T			23	253
142	Dinkelbühl	49 03 58 N	10 24 08 E	49 03,967 N	10 24,133 E	487	TA			305	45
143	Disentis	46 42 16 N	8 50 45 E	46 42,267 N	8 50,750 E	1240	T			121	116
144	Donaueschingen	47 58 00 N	8 31 00 E	47 58,000 N	8 31,000 E	679	AT			120	43
145	Ecuwillens	46 45 18 N	7 04 34 E	46 45,300 N	7 04,567 E	699	AT			54	209

Number	Name	Latitude ° , ' , ''	Longitude ° , ' , ''	Latitude ° , ' , ''	Longitude ° , ' , ''	Elevation Meters	Codes*	Turnpoint	ID	Distance Km	Bearing
146	Egerkingen	47 18 52 N	7 48 26 E	47 18,867 N	7 48,433 E	435	T			33	63
147	Ellwangen	48 57 45 N	10 14 20 E	48 57,750 N	10 14,333 E	502	AT	Flugplatz		288	46
148	Eriswil	47 04 48 N	7 51 05 E	47 04,800 N	7 51,083 E	795	T			35	109
149	Erlach	47 02 50 N	7 06 10 E	47 02,833 N	7 06,167 E	429	T			28	238
150	Escholzmatt	46 55 00 N	7 56 12 E	46 55,000 N	7 56,200 E	853	T			49	127
151	Farrenberg	48 23 13 N	9 04 40 E	48 23,217 N	9 04,667 E	805	TA			183	42
152	Fleurter	46 54 15 N	6 35 01 E	46 54,250 N	6 35,017 E	742	T			70	244
153	Forbach	48 40 49 N	8 21 28 E	48 40,817 N	8 21,467 E	371	T			181	22
154	Fort les Rousses	46 28 30 N	6 03 14 E	46 28,500 N	6 03,233 E	1102	T			130	233
155	Fournet Blancher	47 10 29 N	6 49 05 E	47 10,483 N	6 49,083 E	882	AT	Flugplatz		45	269
156	Frasne	46 51 25 N	6 09 34 E	46 51,417 N	6 09,567 E	852	T			102	250
157	Freudenstadt	48 28 00 N	8 24 24 E	48 28,000 N	8 24,400 E	723	T	Marktplatz		161	27
158	Froborg	47 23 02 N	7 53 20 E	47 23,033 N	7 53,333 E	820	T			42	58
159	Gantrisch	46 42 28 N	7 26 10 E	46 42,467 N	7 26,167 E	2094	T			53	178
160	Geisingen	47 55 20 N	8 39 30 E	47 55,333 N	8 39,500 E	500	T	Zementwerk		124	48
161	Gemmipass	46 24 15 N	7 37 13 E	46 24,250 N	7 37,217 E	2314	T			88	170
162	Gibfoux	46 41 19 N	7 02 34 E	46 41,317 N	7 02,567 E	1093	T			62	208
163	Gtengen	48 38 10 N	10 13 00 E	48 38,167 N	10 13,000 E	516	AT	Flugplatz		264	51
164	Grenchen	47 10 53 N	7 24 59 E	47 10,883 N	7 24,983 E	430	HFAT	Flugplatz			
165	Grenchenberg	47 13 34 N	7 24 04 E	47 13,567 N	7 24,067 E	1405	T			5,1	347
166	Gruyères	46 35 39 N	7 05 40 E	46 35,650 N	7 05,667 E	688	AT			70	201
167	Hagneckkanal Mündung	47 03 34 N	7 10 39 E	47 03,567 N	7 10,650 E	432	T			23	233
168	Hahnenmoos	46 26 11 N	7 30 02 E	46 26,183 N	7 30,033 E	1871	T			83	176
169	Harburg	48 45 31 N	10 42 11 E	48 45,517 N	10 42,183 E	442	T	Zementwerk		301	53
170	Heiligenschwendi	46 45 00 N	7 41 43 E	46 45,000 N	7 41,717 E	881	T			52	156
171	Hochdorf	47 10 11 N	8 17 16 E	47 10,183 N	8 17,267 E	482	T			66	91
172	Hohenzollem	48 19 18 N	8 58 14 E	48 19,300 N	8 58,233 E	703	T	Burg		172	42
173	Hohewinde	47 20 39 N	7 34 50 E	47 20,650 N	7 34,833 E	1153	T			22	34
174	Hornberg	48 12 28 N	8 14 38 E	48 12,467 N	8 14,633 E	579	T			130	28
175	Hütten-Hotzenwald	47 38 05 N	7 56 31 E	47 38,083 N	7 56,517 E	873	AT			64	38
176	Huttwil	47 06 54 N	7 51 18 E	47 06,900 N	7 51,300 E	668	T			34	102
177	Jakobshorn	46 47 22 N	9 50 33 E	46 47,367 N	9 50,550 E	2101	T			189	102
178	Jaupass	46 35 33 N	7 20 21 E	46 35,550 N	7 20,350 E	1509	T			66	185
179	Kleine Kinzig	48 23 50 N	8 21 28 E	48 23,833 N	8 21,467 E	578	T	Stausee		152	27
180	Klippeneck	48 06 30 N	8 45 50 E	48 06,500 N	8 45,833 E	950	TA			144	44
181	La Joux	47 06 43 N	6 57 31 E	47 06,717 N	6 57,517 E	1207	T			35	258
182	Labergement	46 46 20 N	6 16 36 E	46 46,333 N	6 16,600 E	856	T			98	243
183	Lac d'Emosson	46 04 51 N	6 55 05 E	46 04,850 N	6 55,083 E	1938	T			128	197
184	Lac des Dix	46 04 57 N	7 24 24 E	46 04,950 N	7 24,400 E	2282	T			122	180
185	Langenbrand	48 48 25 N	8 37 19 E	48 48,417 N	8 37,317 E	703	T	Sender		202	26

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186	Langenbruck	47 20 35 N	7 46 02 E	47 20,583 N	7 46,033 E	710	T			32	56
187	Langnau	46 56 19 N	7 47 05 E	46 56,317 N	7 47,083 E	673	T	Im Emmental		39	134
188	Laupen	46 54 00 N	7 14 42 E	46 54,000 N	7 14,700 E	484	T			34	203
189	Le Brassus	46 35 09 N	6 12 47 E	46 35,150 N	6 12,783 E	1022	T			113	235
190	Le Croz Mont	46 40 50 N	6 03 06 E	46 40,833 N	6 03,100 E	1101	T			118	242
191	Le Lieu Kirche	46 38 31 N	6 17 00 E	46 38,517 N	6 17,000 E	1050	T			105	236
192	Le Pont	46 40 12 N	6 19 43 E	46 40,200 N	6 19,717 E	1008	T			100	236
193	Le Suchet	46 46 15 N	6 27 49 E	46 46,250 N	6 27,817 E	1540	T			85	238
194	Leibertingen	48 02 28 N	9 01 49 E	48 02,467 N	9 01,817 E	830	AT	Flugplatz		154	51
195	Les Verrières	46 54 13 N	6 28 26 E	46 54,217 N	6 28,433 E	931	T	Bahnhof		78	247
196	Liddes	45 59 26 N	7 11 04 E	45 59,433 N	7 11,067 E	1377	T			134	188
197	Lueg	47 04 00 N	7 42 30 E	47 04,000 N	7 42,500 E	714	T			26	120
198	Lutern	47 03 28 N	7 55 12 E	47 03,467 N	7 55,200 E	878	T			41	110
199	Marbach	46 51 10 N	7 54 03 E	46 51,167 N	7 54,050 E	871	T			52	135
200	Megève	45 49 15 N	6 39 08 E	45 49,250 N	6 39,133 E	1470	AT	Flugplatz		162	201
201	Montricher	46 35 29 N	6 24 03 E	46 35,483 N	6 24,050 E	664	AT			101	230
202	Morez	46 31 31 N	6 01 26 E	46 31,517 N	6 01,433 E	736	T			129	236
203	Morteau	47 03 18 N	6 36 23 E	47 03,300 N	6 36,383 E	755	T			63	257
204	Motier	46 55 03 N	6 37 02 E	46 55,050 N	6 37,033 E	732	TA	Flugplatz		67	244
205	Moudon	46 40 11 N	6 47 54 E	46 40,183 N	6 47,900 E	513	T			74	220
206	Mouthe	46 42 25 N	6 11 29 E	46 42,417 N	6 11,483 E	933	T	Kirche		107	241
207	Münster	46 28 49 N	8 15 48 E	46 28,817 N	8 15,800 E	1328	AT	Flugplatz		101	140
208	Nantua	46 09 01 N	5 35 33 E	46 09,017 N	5 35,550 E	1	T	Bahnhof		180	231
209	Neustadt	47 54 53 N	8 12 32 E	47 54,883 N	8 12,533 E	812	T			101	36
210	Oberalppass	46 39 34 N	8 39 41 E	46 39,567 N	8 39,683 E	2044	T			111	121
211	Obergesteln Süd	46 30 42 N	8 21 03 E	46 30,700 N	8 21,050 E	2015	T			103	136
212	Oensingen	47 17 04 N	7 42 17 E	47 17,067 N	7 42,283 E	462	T	Bahnhof		25	62
213	Olten	47 20 40 N	7 53 22 E	47 20,667 N	7 53,367 E	418	AT			40	63
214	Ornans	47 06 38 N	6 08 22 E	47 06,633 N	6 08,367 E	383	T			97	266
215	Oyonnax	46 16 45 N	5 40 03 E	46 16,750 N	5 40,050 E	535	AT			167	234
216	Pillon	46 21 28 N	7 12 39 E	46 21,467 N	7 12,650 E	1606	T			93	190
217	Piz Gren SW	46 38 58 N	9 00 32 E	46 38,967 N	9 00,533 E	2309	T			135	115
218	Plaffeien	46 44 08 N	7 16 50 E	46 44,133 N	7 16,833 E	867	T			51	192
219	Pontarlier	46 54 15 N	6 19 37 E	46 54,250 N	6 19,617 E	817	AT			88	250
220	Rawipass	46 22 39 N	7 25 58 E	46 22,650 N	7 25,967 E	2429	T			89	179
221	Reinach	47 15 25 N	8 11 15 E	47 15,417 N	8 11,250 E	536	T			59	82
222	Reiselfingen	47 51 05 N	8 22 24 E	47 51,083 N	8 22,400 E	780	AT			104	44
223	Rellerli	46 30 44 N	7 15 49 E	46 30,733 N	7 15,817 E	1850	T			75	189
224	Riederalp	46 22 39 N	8 01 12 E	46 22,650 N	8 01,200 E	2019	T			101	153
225	Roggen	47 18 03 N	7 44 26 E	47 18,050 N	7 44,433 E	603	T			28	61

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226	Romont BE	47 11 40 N	7 20 29 E	47 11,667 N	7 20,483 E	788	T			5,9	284
227	Romont FR	46 41 39 N	6 54 38 E	46 41,650 N	6 54,633 E	700	T			66	216
228	Saignelegier	47 15 26 N	6 59 48 E	47 15,433 N	6 59,800 E	982	T			33	285
229	Sallanches	45 57 00 N	6 38 20 E	45 57,000 N	6 38,333 E	535	AT	Flugplatz		149	204
230	Sanetschpass	46 19 47 N	7 17 28 E	46 19,783 N	7 17,467 E	2251	T			95	186
231	Schallenberg	46 49 30 N	7 47 21 E	46 49,500 N	7 47,350 E	1160	T			49	144
232	Schluchsee	47 49 02 N	8 10 56 E	47 49,033 N	8 10,933 E	942	T			91	39
233	Schoeffland	47 17 53 N	8 03 10 E	47 17,883 N	8 03,167 E	524	T			50	75
234	Schramberg	48 13 06 N	8 23 38 E	48 13,100 N	8 23,633 E	576	T			137	32
235	Schupfart	47 30 32 N	7 57 00 E	47 30,533 N	7 57,000 E	545	AT			54	48
236	Schwarzsee	46 40 18 N	7 17 31 E	46 40,300 N	7 17,517 E	1047	T			57	190
237	Schwefelberg	46 44 19 N	7 22 20 E	46 44,317 N	7 22,333 E	1531	T			49	184
238	Sollieres Sardie	45 15 16 N	6 48 02 E	45 15,267 N	6 48,033 E	1299	AT			219	193
239	St. Blasien	47 45 39 N	8 07 54 E	47 45,650 N	8 07,900 E	770	T			84	40
240	St. Claude	46 23 13 N	5 52 03 E	46 23,217 N	5 52,050 E	463	T			147	234
241	St. Claude-Pratz	46 23 20 N	5 46 18 E	46 23,333 N	5 46,300 E	627	AT	Flugplatz		153	235
242	St. Croix	46 49 09 N	6 29 35 E	46 49,150 N	6 29,583 E	1066	T			81	240
243	St. Georgen	48 07 42 N	8 15 48 E	48 07,700 N	8 15,800 E	900	T			123	31
244	St. Hippolyte	47 19 11 N	6 48 46 E	47 19,183 N	6 48,767 E	375	T			48	289
245	St. Laurent	46 34 19 N	5 57 08 E	46 34,317 N	5 57,133 E	907	T			130	239
246	St. Pierre la Cluse	46 52 22 N	6 22 42 E	46 52,367 N	6 22,700 E	875	T			86	247
247	St. Pierre West	46 52 26 N	6 20 30 E	46 52,433 N	6 20,500 E	1001	T			88	248
248	Subingen	47 11 36 N	7 36 41 E	47 11,600 N	7 36,683 E	439	T			15	85
249	Thun Flp	46 45 23 N	7 36 02 E	46 45,383 N	7 36,033 E	560	AT			49	163
250	Thun Schloß	46 45 40 N	7 37 53 E	46 45,667 N	7 37,883 E	563	T			49	161
251	Thuisis SW	46 39 33 N	9 23 08 E	46 39,550 N	9 23,133 E	2061	T			160	110
252	Tramelan	47 12 02 N	7 07 07 E	47 12,033 N	7 07,117 E	923	T	Süd		23	276
253	Treuchtlingen	48 59 49 N	10 53 10 E	48 59,817 N	10 53,167 E	495	AT	Flugplatz		327	51
254	Triengen	47 13 36 N	8 04 41 E	47 13,600 N	8 04,683 E	486	AT			50	84
255	Untermusbach	48 30 13 N	8 28 45 E	48 30,217 N	8 28,750 E	695	TA			167	28
256	Vallorbe	46 42 58 N	6 22 34 E	46 42,967 N	6 22,567 E	807	T			94	237
257	Verbier	46 05 39 N	7 13 10 E	46 05,650 N	7 13,167 E	1	T			122	187
258	Visperterminen	46 15 30 N	7 54 07 E	46 15,500 N	7 54,117 E	1344	T			109	160
259	Vue des Alpes	47 04 24 N	6 52 10 E	47 04,400 N	6 52,167 E	1283	T			43	254
260	Wasen	47 02 40 N	7 47 32 E	47 02,667 N	7 47,533 E	744	T	Im Emmental		32	118
261	Wasserfluh	47 26 24 N	8 01 58 E	47 26,400 N	8 01,967 E	1	T			55	58
262	Wildegg	47 25 45 N	8 10 13 E	47 25,750 N	8 10,217 E	402	T			63	64
263	Willisau	47 07 29 N	7 59 54 E	47 07,483 N	7 59,900 E	555	T			44	98
264	Winzeln Schramberg	48 16 48 N	8 25 44 E	48 16,800 N	8 25,733 E	671	AT			144	31
265	Wolhusen	47 03 19 N	8 04 47 E	47 03,317 N	8 04,783 E	565	T			52	105

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266	Wynigen	47 06 19 N	7 39 56 E	47 06,317 N	7 39,933 E	530	T			21	114
267	Zernez Süd	46 40 29 N	10 05 32 E	46 40,483 N	10 05,533 E	2125	T			211	105
268	Zweisimmen	46 33 00 N	7 23 00 E	46 33,000 N	7 23,000 E	933	AT	Flugplatz		70	182
269	Zwiefalten	48 14 00 N	9 27 46 E	48 14,000 N	9 27,767 E	538	T			193	52

Codes*

A: Airport
D: Glider Airfield
F: Finish Point
H: Home airport
S: Start Point
T: Turnpoint