

Worldwide Soaring Turnpoint Exchange

Unofficial Coordinates for the Langenthal, Switzerland Control Points

Contest: JSM/RM 2018

Courtesy of Rolf Friedl (fliegen@sgoberaargau.ch)

Dated: 12 April 2018

Magnetic Variation: 1.1E

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

Segelfluggruppe Oberaargau

Printed Wednesday, 18 April 2018 at 00:23 GMT

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> *	<i>Comment</i>	<i>Distance</i> <i>Km</i>	<i>Bearing</i>
1	<i>S1 LSPL</i>	47 10 59 N	7 44 35 E	47 10,983 N	7 44,583 E	480	S			
2	<i>S2 Langenthal</i>	47 12 59 N	7 47 23 E	47 12,983 N	7 47,383 E	474	S		5,1	45
3	<i>S3 Klus</i>	47 18 17 N	7 41 37 E	47 18,283 N	7 41,617 E	484	S		14	346
4	<i>S4 Günsberg</i>	47 15 35 N	7 34 15 E	47 15,583 N	7 34,250 E	687	S		16	304
5	ZL Langenthal	47 10 59 N	7 44 35 E	47 10,983 N	7 44,583 E	480	HFD			
6	Aarau	47 23 30 N	8 03 07 E	47 23,500 N	8 03,117 E	382	T		33	46
7	Altdorf	46 52 35 N	8 37 56 E	46 52,583 N	8 37,933 E	447	T		76	118
8	Andeer	46 35 43 N	9 25 44 E	46 35,717 N	9 25,733 E	1047	T		144	118
9	Balsthal	47 18 58 N	7 42 11 E	47 18,967 N	7 42,183 E	551	T		15	350
10	Barmelweid	47 25 17 N	7 58 18 E	47 25,283 N	7 58,300 E	771	T		32	34

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11	Belchen	47 21 10 N	7 50 08 E	47 21,167 N	7 50,133 E	609	T		20	21
12	Bellechasse	46 58 51 N	7 07 50 E	46 58,850 N	7 07,833 E	433	TA		52	245
13	Belp	46 54 43 N	7 29 55 E	46 54,717 N	7 29,917 E	510	TA		35	213
14	Beromünster	47 11 28 N	8 12 20 E	47 11,467 N	8 12,333 E	654	TA		35	89
15	Biglen	46 55 34 N	7 37 39 E	46 55,567 N	7 37,650 E	738	T		30	198
16	Birrfeld	47 26 37 N	8 14 01 E	47 26,617 N	8 14,017 E	396	TA		47	53
17	Bremgarten	47 21 11 N	8 20 55 E	47 21,183 N	8 20,917 E	386	T		49	68
18	Brienz	46 45 20 N	8 02 22 E	46 45,333 N	8 02,367 E	560	T		53	156
19	Brünig	46 45 31 N	8 08 21 E	46 45,517 N	8 08,350 E	1008	T		56	148
20	Brugg	47 28 55 N	8 12 36 E	47 28,917 N	8 12,600 E	341	T		48	48
21	Bulle	46 37 11 N	7 03 10 E	46 37,183 N	7 03,167 E	771	T		82	221
22	Burgdorf	47 03 38 N	7 37 17 E	47 03,633 N	7 37,283 E	530	T		16	215
23	Buttwil	47 15 53 N	8 18 09 E	47 15,883 N	8 18,150 E	723	TA		43	79
24	Chasseral	47 07 37 N	7 02 44 E	47 07,617 N	7 02,733 E	1548	T		53	265
25	Chasseron	46 51 02 N	6 32 20 E	46 51,033 N	6 32,333 E	1600	T		98	249
26	Col de la Faucille	46 22 12 N	6 01 08 E	46 22,200 N	6 01,133 E	1320	T		159	237
27	Col du Marchairuz	46 33 14 N	6 15 05 E	46 33,233 N	6 15,083 E	1447	T		133	240
28	Col du Mollendruz	46 39 00 N	6 22 01 E	46 39,000 N	6 22,017 E	1174	T		120	242
29	Courtelary	47 11 01 N	7 05 27 E	47 11,017 N	7 05,450 E	685	TA		49	271
30	Delemont	47 21 16 N	7 20 25 E	47 21,267 N	7 20,417 E	410	T		36	303
31	Ecuvillens	46 45 18 N	7 04 34 E	46 45,300 N	7 04,567 E	699	TA		69	228
32	Einsiedeln	47 07 41 N	8 45 14 E	47 07,683 N	8 45,233 E	882	T		77	95
33	Entlebuch	46 59 38 N	8 03 44 E	46 59,633 N	8 03,733 E	684	T		32	132
34	Escholzmatt	46 55 00 N	7 56 13 E	46 55,000 N	7 56,217 E	853	T		33	155
35	Fleurier	46 54 17 N	6 35 00 E	46 54,283 N	6 35,000 E	749	T		93	252
36	Flühli	46 53 05 N	8 01 00 E	46 53,083 N	8 01,000 E	883	T		39	149
37	Fort Les Pousses	46 28 50 N	6 03 18 E	46 28,833 N	6 03,300 E	1125	T		150	240
38	Freudenstadt	48 27 39 N	8 25 03 E	48 27,650 N	8 25,050 E	720	T		151	20
39	Fricktal Schupfart	47 30 32 N	7 57 00 E	47 30,533 N	7 57,000 E	545	TA		39	24
40	Furtwangen	48 03 06 N	8 12 14 E	48 03,100 N	8 12,233 E	901	T		103	21
41	Geisingen	47 55 18 N	8 39 30 E	47 55,300 N	8 39,500 E	1125	T		107	41
42	Gelterkinden	47 28 02 N	7 50 53 E	47 28,033 N	7 50,883 E	403	T		33	15
43	Gerlafingen	47 10 22 N	7 33 58 E	47 10,367 N	7 33,967 E	449	T		13	266
44	Grenchen	47 10 56 N	7 24 47 E	47 10,933 N	7 24,783 E	429	TA		25	271
45	Grimsel	46 34 24 N	8 20 02 E	46 34,400 N	8 20,033 E	2166	T		81	147
46	Gruyères	46 35 39 N	7 05 40 E	46 35,650 N	7 05,667 E	688	TA		82	218
47	Hallwil	47 19 29 N	8 11 42 E	47 19,483 N	8 11,700 E	452	T		38	66
48	Hausen am Albis	47 14 19 N	8 30 56 E	47 14,317 N	8 30,933 E	588	TA		59	85
49	Hochdorf	47 10 11 N	8 17 16 E	47 10,183 N	8 17,267 E	482	T		41	93
50	Holderbank	47 20 07 N	7 45 16 E	47 20,117 N	7 45,267 E	482	T		17	4
51	Hongrin	46 25 29 N	7 02 33 E	46 25,483 N	7 02,550 E	1255	T		100	214

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52	Hütten Hotzenwald	47 38 00 N	7 56 30 E	47 38,000 N	7 56,500 E	873	TA		52	18
53	Interlaken	46 41 00 N	7 51 05 E	46 41,000 N	7 51,083 E	564	T		56	173
54	Kägiswil	46 54 36 N	8 15 17 E	46 54,600 N	8 15,283 E	470	TA		49	129
55	Kandersteg	46 29 45 N	7 40 20 E	46 29,750 N	7 40,333 E	1176	T		77	185
56	Kestenbergr	47 25 31 N	8 11 31 E	47 25,517 N	8 11,517 E	611	T		43	52
57	Kirchdorf	46 49 14 N	7 33 03 E	46 49,233 N	7 33,050 E	615	T		43	201
58	Klippeneck	48 06 30 N	8 45 50 E	48 06,500 N	8 45,833 E	950	TD		128	37
59	L'Auberson	46 49 07 N	6 27 48 E	46 49,117 N	6 27,800 E	1109	T		105	249
60	La Brevine	46 58 54 N	6 36 32 E	46 58,900 N	6 36,533 E	1046	T		89	257
61	Langenbruck	47 21 00 N	7 46 02 E	47 21,000 N	7 46,033 E	710	T		19	7
62	Langenthal	47 13 09 N	7 47 08 E	47 13,150 N	7 47,133 E	472	T		5,1	40
63	Langnau im Emmenthal	46 56 22 N	7 47 03 E	46 56,367 N	7 47,050 E	673	T		27	175
64	Le Brassus	46 35 09 N	6 12 47 E	46 35,150 N	6 12,783 E	1022	T		134	242
65	Le Locle	47 03 29 N	6 44 45 E	47 03,483 N	6 44,750 E	946	T		77	261
66	Le Pont	46 40 01 N	6 19 45 E	46 40,017 N	6 19,750 E	1008	T		122	243
67	Leibertingen	48 02 41 N	9 01 41 E	48 02,683 N	9 01,683 E	830	TD		136	46
68	Lenk	46 27 35 N	7 26 41 E	46 27,583 N	7 26,683 E	1068	T		84	197
69	Les Eplatures	47 05 08 N	6 47 39 E	47 05,133 N	6 47,650 E	1025	TA		73	263
70	Les Verrières	46 54 20 N	6 28 46 E	46 54,333 N	6 28,767 E	931	T		101	254
71	Leibstadt	47 35 25 N	8 10 32 E	47 35,417 N	8 10,533 E	334	T		56	37
72	Lungern	46 47 01 N	8 09 36 E	46 47,017 N	8 09,600 E	715	T		55	145
73	Marbach	46 51 10 N	7 54 03 E	46 51,167 N	7 54,050 E	871	T		39	163
74	Mauensee	47 10 16 N	8 04 32 E	47 10,267 N	8 04,533 E	520	T		25	94
75	Meiringen	46 43 37 N	8 10 57 E	46 43,617 N	8 10,950 E	595	T		61	148
76	Mollis	47 04 59 N	9 03 58 E	47 04,983 N	9 03,967 E	445	TA		101	97
77	Montbéliard	47 29 25 N	6 47 31 E	47 29,417 N	6 47,517 E	321	TA		79	297
78	Montricher	46 35 25 N	6 24 02 E	46 35,417 N	6 24,033 E	664	TA		121	239
79	Morez	46 31 33 N	6 01 26 E	46 31,550 N	6 01,433 E	736	T		150	243
80	Motiers	46 55 00 N	6 36 54 E	46 55,000 N	6 36,900 E	732	TA		90	252
81	Münster	46 28 49 N	8 15 48 E	46 28,817 N	8 15,800 E	1350	TA		88	154
82	Muri	47 16 35 N	8 20 23 E	47 16,583 N	8 20,383 E	458	T		46	78
83	Nantua	46 09 01 N	5 35 55 E	46 09,017 N	5 35,917 E	480	T		200	237
84	Napf	47 00 19 N	7 56 24 E	47 00,317 N	7 56,400 E	1408	T		25	144
85	Neuchatel	46 57 27 N	6 51 53 E	46 57,450 N	6 51,883 E	435	TA		71	251
86	Oensingen	47 17 06 N	7 42 29 E	47 17,100 N	7 42,483 E	462	T		12	348
87	Olten	47 21 13 N	7 54 32 E	47 21,217 N	7 54,533 E	396	T		23	34
88	Payerne	46 50 28 N	6 54 55 E	46 50,467 N	6 54,917 E	445	TA		73	240
89	Pery	47 11 24 N	7 14 45 E	47 11,400 N	7 14,750 E	600	T		38	272
90	Pilatus	46 58 52 N	8 15 26 E	46 58,867 N	8 15,433 E	2120	T		45	121
91	Pontarlier	46 54 16 N	6 19 37 E	46 54,267 N	6 19,617 E	817	TA		112	256
92	Porrentruy	47 24 41 N	7 03 07 E	47 24,683 N	7 03,117 E	435	T		58	297

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93	Reiden	47 14 50 N	7 58 12 E	47 14,833 N	7 58,200 E	458	T		19	68
94	Reiselfingen	47 51 06 N	8 22 14 E	47 51,100 N	8 22,233 E	740	TD		88	33
95	Romont	46 41 41 N	6 54 46 E	46 41,683 N	6 54,767 E	707	T		83	231
96	Saanen	46 29 15 N	7 14 58 E	46 29,250 N	7 14,967 E	1008	TA		86	207
97	Saignelegier	47 15 17 N	6 59 40 E	47 15,283 N	6 59,667 E	982	T		57	279
98	Sanetsch	46 20 13 N	7 17 11 E	46 20,217 N	7 17,183 E	2251	T		100	202
99	Schänis	47 10 18 N	9 02 22 E	47 10,300 N	9 02,367 E	416	TD		98	91
100	Schluchsee	47 49 03 N	8 10 32 E	47 49,050 N	8 10,533 E	950	T		78	26
101	Schramberg	48 13 26 N	8 23 36 E	48 13,433 N	8 23,600 E	557	T		126	24
102	Schüpfheim	46 57 07 N	8 00 59 E	46 57,117 N	8 00,983 E	729	T		33	142
103	Schwarzsee	46 40 18 N	7 17 31 E	46 40,300 N	7 17,517 E	1050	T		66	212
104	Sörenberg	46 49 29 N	8 02 00 E	46 49,483 N	8 02,000 E	1166	T		46	152
105	Solothurn	47 12 19 N	7 32 43 E	47 12,317 N	7 32,717 E	432	T		15	281
106	Spiez	46 41 25 N	7 41 22 E	46 41,417 N	7 41,367 E	680	T		55	185
107	Ste Croix	46 49 15 N	6 29 59 E	46 49,250 N	6 29,983 E	1066	T		103	248
108	St Blasien	47 45 32 N	8 07 39 E	47 45,533 N	8 07,650 E	786	T		70	25
109	St Hippolyte	47 19 11 N	6 48 46 E	47 19,183 N	6 48,767 E	375	T		72	284
110	St Imier	47 09 11 N	7 00 06 E	47 09,183 N	7 00,100 E	793	T		56	268
111	Steinhof	47 09 40 N	7 41 15 E	47 09,667 N	7 41,250 E	793	T		4,9	241
112	Suhr	47 22 24 N	8 05 04 E	47 22,400 N	8 05,067 E	397	T		33	52
113	Sumiswald	47 01 31 N	7 44 13 E	47 01,517 N	7 44,217 E	663	T		18	183
114	Tavannes	47 13 12 N	7 12 04 E	47 13,200 N	7 12,067 E	754	T		41	277
115	Thun	46 45 40 N	7 37 53 E	46 45,667 N	7 37,883 E	563	T		48	191
116	Titisee	47 54 00 N	8 09 20 E	47 54,000 N	8 09,333 E	848	T		86	22
117	Todtmoos	47 44 22 N	8 00 21 E	47 44,367 N	8 00,350 E	858	T		65	19
118	Tramelan	47 13 22 N	7 06 15 E	47 13,367 N	7 06,250 E	888	T		48	277
119	Triengen	47 13 36 N	8 04 41 E	47 13,600 N	8 04,683 E	486	TA		26	80
120	Trubschachen	46 55 22 N	7 50 48 E	46 55,367 N	7 50,800 E	732	T		30	166
121	Tuttlingen	47 58 52 N	8 49 17 E	47 58,867 N	8 49,283 E	661	T		120	43
122	Utzenstorf	47 07 40 N	7 33 30 E	47 07,667 N	7 33,500 E	476	T		15	247
123	Vallorbe	46 42 50 N	6 22 20 E	46 42,833 N	6 22,333 E	750	T		116	245
124	Vue des Alpes	47 04 24 N	6 52 10 E	47 04,400 N	6 52,167 E	1283	T		67	261
125	Wangen Lachen	47 12 21 N	8 52 14 E	47 12,350 N	8 52,233 E	407	TA		85	89
126	Wasen im Emmenthal	47 02 40 N	7 47 32 E	47 02,667 N	7 47,533 E	744	T		16	168
127	Weissenstein	47 15 08 N	7 30 34 E	47 15,133 N	7 30,567 E	1284	T		19	295
128	Welschenrohr	47 16 54 N	7 31 45 E	47 16,900 N	7 31,750 E	683	T		20	305
129	Willisau	47 07 21 N	7 59 48 E	47 07,350 N	7 59,800 E	555	T		20	110
130	Winzeln Schramberg	48 16 44 N	8 25 42 E	48 16,733 N	8 25,700 E	679	TA		132	24
131	Wolhusen	47 03 19 N	8 04 47 E	47 03,317 N	8 04,783 E	565	T		29	120
132	Yverdon	46 45 57 N	6 37 05 E	46 45,950 N	6 37,083 E	433	T		97	243
133	Zermatt	46 01 26 N	7 45 03 E	46 01,433 N	7 45,050 E	1605	T		129	181

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134	Zug	47 10 43 N	8 31 03 E	47 10,717 N	8 31,050 E	425	T		59	91
135	Zweisimmen	46 33 14 N	7 22 42 E	46 33,233 N	7 22,700 E	941	TA		75	203

Codes*

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