

Worldwide Soaring Turnpoint Exchange

Unofficial Coordinates for the Borlänge, Sweden Control Points

Contest: DM Norra, 2000

Courtesy of Ronny Eriksson (segelflygaren@telia.com)

Dated: 23 June, 2000

Magnetic Variation: 3.9E

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

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UNOFFICIAL, USE AT YOUR OWN RISK

Do not use for navigation, for flight verification only.

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information.

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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>M</i>	<i>Codes</i> *	<i>Turnpoint</i>	<i>ID</i>	<i>Distance</i> <i>Km</i>	<i>Bearing</i>	<i>Comment</i>
1	Kupolen	60 29 08 N	15 25 14 E	60 29,133 N	15 25,233 E		ST	Start	1	7,4	331	
2	Acksjön	60 08 26 N	13 36 34 E	60 08,433 N	13 36,567 E		T	N spets	2	109	258	
5	Alfta	61 20 43 N	16 03 43 E	61 20,717 N	16 03,717 E		T	Bro	5	106	20	
14	Ambjörby	60 30 34 N	13 09 04 E	60 30,567 N	13 09,067 E		T	Bro	14	129	279	
21	Arboga Flp	59 23 45 N	15 54 54 E	59 23,750 N	15 54,900 E	9	T	N ban	21	117	172	15/33 2000A
23	Arbra Flp	61 31 00 N	16 22 33 E	61 31,000 N	16 22,550 E	116	AT	hangar	23	130	25	18/36 690G
26	Arvika Flp	59 40 26 N	12 38 21 E	59 40,433 N	12 38,350 E	73	T	hangar	26	179	247	01/19 1150A
32	Avesta Flp	60 11 02 N	16 07 10 E	60 11,033 N	16 07,167 E	97	AT	hangar	32	44	132	15/33 840G
41	Bjursas	60 44 18 N	15 27 11 E	60 44,300 N	15 27,183 E		T	KA kyrka	41	34	0	
44	Björbo Bro W	60 27 20 N	14 43 55 E	60 27,333 N	14 43,917 E		T	Bro W	44	42	278	
53	Bodas	60 25 18 N	16 27 34 E	60 25,300 N	16 27,567 E		T	Gruva	53	53	94	
55	Bollnäs	61 23 52 N	16 24 23 E	61 23,867 N	16 24,383 E		T	Damm	55	118	28	
61	Borlänge Flp	60 25 46 N	15 29 39 E	60 25,767 N	15 29,650 E	152	ATH	Segel-hangar	61			14/32 2310A

Number	Name	Latitude ° , ' , ''	Longitude ° , ' , ''	Latitude ° , ' , ''	Longitude ° , ' , ''	Elevation M	Codes*	Turnpoint	ID	Distance Km	Bearing	Comment
62	Borrsjön	60 45 58 N	16 14 00 E	60 45,967 N	16 14,000 E		T	Damm	62	55	51	
68	Brattforsheden Flp	59 36 39 N	13 55 38 E	59 36,650 N	13 55,633 E	180	T	Hangar	68	126	228	08/26 810G
85	By	60 12 08 N	16 28 52 E	60 12,133 N	16 28,867 E		T	KA	85	60	118	
89	Bälgsjön	59 33 45 N	14 54 20 E	59 33,750 N	14 54,333 E		T	Ost sp	89	102	203	
94	Dala-Floda KA	60 30 31 N	14 48 07 E	60 30,517 N	14 48,117 E		T	Kyrka	94	39	287	
95	Dala-Järna Flp	60 33 11 N	14 22 31 E	60 33,183 N	14 22,517 E	235	AT	S banände	95	63	287	03/21 900A
96	Dalby	60 39 00 N	12 59 51 E	60 39,000 N	12 59,850 E		T	KA	96	139	285	
105	Djuras	60 33 07 N	15 08 03 E	60 33,117 N	15 08,050 E		T	Udde	105	24	309	
111	Edsbyn Flp	61 23 16 N	15 49 57 E	61 23,267 N	15 49,950 E	159	T	W banände	111	108	13	11/29 690G
118	Ekshärad	60 10 23 N	13 30 01 E	60 10,383 N	13 30,017 E		T	KA	118	113	260	
119	Ekshärad Flp	60 09 24 N	13 31 55 E	60 09,400 N	13 31,917 E	140	AT	Klubbhus	119	112	259	15/33 540G
123	Enviken	60 48 31 N	15 45 39 E	60 48,517 N	15 45,650 E		T	Väggors	123	45	23	
124	Enaker	60 02 08 N	16 48 11 E	60 02,133 N	16 48,183 E		T	KA	124	84	125	
136	Fagersta	59 59 21 N	15 48 25 E	59 59,350 N	15 48,417 E		T	Y-kors Järnvägsbro	136	52	164	
145	Fellingsbro VJV	59 35 00 N	15 30 25 E	59 35,000 N	15 30,417 E		T	Väg/Järnväg	145	94	183	
152	FinnskogaBacka Flp	60 33 19 N	13 06 12 E	60 33,317 N	13 06,200 E	152	AT	Hangar	152	132	281	14/32 650G
167	Fläckebo	59 52 31 N	16 20 50 E	59 52,517 N	16 20,833 E		T	KA	167	78	146	
169	Fornaboda	59 37 52 N	15 10 24 E	59 37,867 N	15 10,400 E		T	Travbana mitt	169	91	195	
183	Furudal	61 10 00 N	15 08 16 E	61 10,000 N	15 08,267 E		T	Bro	183	84	351	
187	Gagnef Flp	60 33 03 N	15 04 58 E	60 33,050 N	15 04,967 E	177	AT	Hangar	187	26	305	08/26 600G
191	Gammelbo Flp	59 46 18 N	15 23 08 E	59 46,300 N	15 23,133 E		AT	Hangar	191	73	189	
193	Garpenberg	60 18 57 N	16 12 26 E	60 18,950 N	16 12,433 E		T	KA	193	41	111	
196	Gimmen	60 35 40 N	15 17 59 E	60 35,667 N	15 17,983 E		T	E spets	196	21	334	
204	Grangärde	60 15 45 N	14 59 00 E	60 15,750 N	14 59,000 E		T	KA	204	34	241	
209	Grycksbo IP	60 41 19 N	15 28 38 E	60 41,317 N	15 28,633 E		T	Idrottsplats	209	29	2	
211	Grythyttan	59 42 22 N	14 32 20 E	59 42,367 N	14 32,333 E		T	KA	211	96	218	
212	Grytnäs	60 10 05 N	16 13 27 E	60 10,083 N	16 13,450 E		T	KA	212	50	129	
217	Guldsmedshyttan	59 42 05 N	15 06 30 E	59 42,083 N	15 06,500 E		T	KA	217	84	199	
220	Gunnarskog	59 48 45 N	12 34 03 E	59 48,750 N	12 34,050 E		T	KA	220	176	252	
222	Gunnilbo Vgk	59 48 11 N	15 50 54 E	59 48,183 N	15 50,900 E		T	Väggors	222	72	168	
223	Gusselby Vgj	59 38 16 N	15 13 29 E	59 38,267 N	15 13,483 E		T	Väg/Järnväg	223	89	194	
229	Gärdsjö Vgk	60 56 45 N	15 14 10 E	60 56,750 N	15 14,167 E		T	Väggors	229	59	350	
235	Hagfors Flp	60 01 37 N	13 35 00 E	60 01,617 N	13 35,000 E	143	AT	N banände	235	115	252	18/36 1510A
249	Haraker	59 46 19 N	16 27 44 E	59 46,317 N	16 27,733 E		T	KA	249	91	147	
250	Harbo	60 06 20 N	17 13 00 E	60 06,333 N	17 13,000 E		T	KA	250	102	114	
251	Hassela	62 06 38 N	16 42 42 E	62 06,633 N	16 42,700 E		T	KA	251	198	23	
253	Heby	59 56 23 N	16 51 37 E	59 56,383 N	16 51,617 E		T	KA	253	93	129	
254	Hed	59 40 54 N	15 46 08 E	59 40,900 N	15 46,133 E		T	KA	254	85	173	
279	Huddunge	60 02 58 N	16 59 01 E	60 02,967 N	16 59,017 E		T	KA	279	92	120	
288	Hällefors Flp	59 52 18 N	14 25 35 E	59 52,300 N	14 25,583 E	183	AT	N-banände	288	86	228	18/36 750S
290	Hällefors Vgj	59 47 04 N	14 31 19 E	59 47,067 N	14 31,317 E		T	Väg/Järnväg	290	90	221	

Number	Name	Latitude ° ' "	Longitude ° ' "	Latitude ° ' "	Longitude ° ' "	Elevation M	Codes*	Turnpoint	ID	Distance Km	Bearing	Comment
307	Hörendesjön Nsp	59 58 18 N	16 08 56 E	59 58,300 N	16 08,933 E		T	N spets	307	62	148	
311	Idre Flp	61 52 07 N	12 41 39 E	61 52,117 N	12 41,650 E	452	AT	S banände	311	219	322	15/33 1240A
324	Jädraas	60 50 35 N	16 28 16 E	60 50,583 N	16 28,267 E		T	Station	324	70	53	
327	Järbo Vgj	60 42 46 N	16 36 14 E	60 42,767 N	16 36,233 E		T	Väg/Järnväg	327	68	66	
329	Järlasa	59 54 35 N	17 12 59 E	59 54,583 N	17 12,983 E		T	Ka	329	111	124	
330	Järnboas	59 38 45 N	14 54 02 E	59 38,750 N	14 54,033 E		T	KA	330	93	205	
349	Kila	59 52 13 N	16 32 53 E	59 52,217 N	16 32,883 E		T	Ka	349	85	140	
356	Klara	60 44 54 N	12 47 43 E	60 44,900 N	12 47,717 E		T	Bro	356	152	289	
363	Kolsva Vgk	59 36 04 N	15 50 41 E	59 36,067 N	15 50,683 E		T	Väggkors	363	94	172	
365	Kopparberg	59 52 40 N	15 00 04 E	59 52,667 N	15 00,067 E		T	KA	365	67	208	
371	Krylbo	60 08 12 N	16 13 10 E	60 08,200 N	16 13,167 E		T	Järnvägsbro	371	52	133	
389	Köping Flp	59 31 35 N	15 58 03 E	59 31,583 N	15 58,050 E	9	AT	Hangar	389	104	169	07/25 690G
405	Leksand	60 43 45 N	15 00 37 E	60 43,750 N	15 00,617 E		T	Järnvägsbro	405	43	326	
416	Lima	60 56 00 N	13 21 52 E	60 56,000 N	13 21,867 E		T	Ka	416	129	301	
428	Ljusdal Flp	61 49 03 N	16 00 27 E	61 49,050 N	16 00,450 E	149	AT	Hangar	428	157	14	09/27 630G
433	Ludvika Flp	60 05 17 N	15 05 48 E	60 05,283 N	15 05,800 E	272	AT	Hangar	433	44	214	01/19 810A
442	Langen	60 27 28 N	16 03 26 E	60 27,467 N	16 03,433 E		T	W spets	442	31	88	
456	Malingsbo	59 55 43 N	15 26 22 E	59 55,717 N	15 26,367 E		T	KA	456	56	187	
457	Malma	59 32 31 N	15 56 10 E	59 32,517 N	15 56,167 E		T	Ka	457	102	170	
459	Malung Flp	60 39 23 N	13 43 57 E	60 39,383 N	13 43,950 E	299	AT	S banände	459	100	289	16/34 810A
460	Malungsfors	60 43 52 N	13 33 09 E	60 43,867 N	13 33,150 E		T	bro	460	111	292	
461	Mangskog	59 45 07 N	12 49 37 E	59 45,117 N	12 49,617 E		T	KA	461	166	248	
470	Morgongava	59 56 01 N	16 57 50 E	59 56,017 N	16 57,833 E		T	Station	470	98	127	
476	Munkfors Flp	59 48 10 N	13 29 50 E	59 48,167 N	13 29,833 E	85	AT	N banände	476	131	243	03/21 690G
484	Möklinta Vgk	60 05 08 N	16 32 58 E	60 05,133 N	16 32,967 E		T	Väggkors	484	70	127	
497	Norasjön	59 31 59 N	15 05 32 E	59 31,983 N	15 05,533 E		T	E spets	497	102	197	
498	Norberg Flp	60 06 41 N	15 57 18 E	60 06,683 N	15 57,300 E	190	AT	N banände	498	44	148	01/19 720A
509	Nykroppa	59 37 11 N	14 18 15 E	59 37,183 N	14 18,250 E		T	KA	509	112	221	
512	Nas	60 27 10 N	14 29 27 E	60 27,167 N	14 29,450 E		T	Bro	512	55	277	
531	Orsa Flp	61 11 10 N	14 42 40 E	61 11,167 N	14 42,667 E	208	AT	SW banände	531	94	337	03/21 990A
543	Ramnäs Vgk	59 46 19 N	16 09 28 E	59 46,317 N	16 09,467 E		T	Väggkors	543	82	157	
544	Ramsberg	59 46 04 N	15 18 03 E	59 46,067 N	15 18,050 E		T	KA	544	74	192	
564	Rossen	60 17 46 N	16 25 52 E	60 17,767 N	16 25,867 E		T	SW spets	564	54	110	
594	Sala Flp	59 53 43 N	16 38 00 E	59 53,717 N	16 38,000 E	42	AT	Hangar	594	87	137	15/33 670G
607	Siljansnäs Flp	60 46 58 N	14 50 09 E	60 46,967 N	14 50,150 E	186	AT	S banände	607	53	322	14/32 930G
611	Silvberg	60 21 42 N	15 30 15 E	60 21,700 N	15 30,250 E		T	KA	611	7,6	180	
615	Simtuna	59 46 25 N	16 54 15 E	59 46,417 N	16 54,250 E		T	KA	615	107	136	
634	Skinnskatteberg	59 49 48 N	15 41 14 E	59 49,800 N	15 41,233 E		T	KA	634	68	175	
639	Skultuna stn	59 43 51 N	16 26 20 E	59 43,850 N	16 26,333 E		T	Station	639	94	149	
649	Smedjebacken	60 08 33 N	15 25 36 E	60 08,550 N	15 25,600 E		T	KA	649	32	191	
674	Storvik Flp	60 35 09 N	16 35 10 E	60 35,150 N	16 35,167 E	64	AT	W banände	674	62	77	06/24 630A

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676	Stora	59 43 01 N	15 08 41 E	59 43,017 N	15 08,683 E		T	Station	676	82	198	
684	Sunne Flp	59 51 34 N	13 06 50 E	59 51,567 N	13 06,833 E	116	AT	Klubbus	684	146	249	01/19 780G
696	Svärdsjö	60 45 09 N	15 55 29 E	60 45,150 N	15 55,483 E		T	KA	696	43	37	
704	Söderbärke	60 04 32 N	15 34 02 E	60 04,533 N	15 34,033 E		T	KA	704	40	178	
709	Sörsjön	59 46 09 N	15 10 53 E	59 46,150 N	15 10,883 E		T	S spets	709	75	197	
738	Torsby Flp	60 09 21 N	12 59 54 E	60 09,350 N	12 59,900 E	119	AT	Hangar	738	141	263	16/34 1540A
740	Torsaker	60 30 35 N	16 28 25 E	60 30,583 N	16 28,417 E		T	KA	740	54	84	
757	Tärna	59 49 20 N	16 44 55 E	59 49,333 N	16 44,917 E		T	KA	757	97	138	
758	Tärnsjö	60 09 16 N	16 55 22 E	60 09,267 N	16 55,367 E		T	KA	758	84	115	
772	V Skedvi	59 34 35 N	15 41 34 E	59 34,583 N	15 41,567 E		T	KA	772	95	177	
785	Vasselhyttan	59 44 49 N	15 08 40 E	59 44,817 N	15 08,667 E		T	Väg/Järnvägs kors	785	78	198	
837	Västerfärnebo	59 56 43 N	16 16 55 E	59 56,717 N	16 16,917 E		T	KA	837	69	145	
841	Agsjön	60 46 40 N	16 08 34 E	60 46,667 N	16 08,567 E		T	E spets	841	52	46	
847	Amot	60 58 02 N	16 27 04 E	60 58,033 N	16 27,067 E		T	KA	847	79	45	
864	Alvdalen Flp	61 12 50 N	14 02 50 E	61 12,833 N	14 02,833 E	229	AT	Hangar	864	117	323	15/33 670G
872	Appelbo	60 29 25 N	14 00 27 E	60 29,417 N	14 00,450 E		T	KA	872	82	279	
888	Mellsta	60 30 30 N	15 23 40 E	60 30,501 N	15 23,667 E		T	Rondell	888	10	332	
903	Osterfärnebo	60 18 10 N	16 47 51 E	60 18,167 N	16 47,850 E		T	KA	903	73	104	
999	Malpunkt	60 25 37 N	15 29 09 E	60 25,615 N	15 29,155 E	152	FT	DM2000	999	0,5	242	14/32 2310A

Codes*

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