

Worldwide Soaring Turnpoint Exchange

Unofficial Coordinates for the Bebedouro, Brazil Control Points

Contest: Copa Peter Volf – Carnaval 2024

Courtesy of Aeroclub Bebedouro

Dated: 09 February 2024

Magnetic Variation: 19.9W

Time zone: Brazil/East, Summer offset from GMT is -3:00 and in Winter it is -3:00.

Printed Friday, 09 February 2024 at 04:19 GMT

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Do not use for navigation, for flight verification only.

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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> ° ' " s	<i>Longitude</i> ° ' " w	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>Elevation</i> METERS	<i>Codes</i>	<i>Distance</i> Km	<i>Bearing</i>	<i>Comment</i>
1	Agricola Taiuva	21 09 03 s	48 23 18 w	21 09.050 s	48 23.300 w	612	AT	29	182	Taiuva
1	Luis Eduardo Magalhães	12 04 06 s	45 42 39 w	12 04.100 s	45 42.650 w	788	DT	1025	37	Centro da Pista
2	Agrop Barrinha	19 49 54 s	49 40 47 w	19 49.900 s	49 40.783 w	439	AT	173	333	Sao Francisco Sales/MG
3	Apar Minas	20 06 40 s	49 13 56 w	20 06.667 s	49 13.933 w	462	T	118	338	Aparecida de Minas/MG
3	Marias	23 11 30 s	47 04 30 w	23 11.500 s	47 04.500 w	620	AT	293	171	Itupeva
4	Baguacu	20 41 24 s	49 04 07 w	20 41.400 s	49 04.117 w	515	T	66	310	Olimpia
5	Barretos	20 35 05 s	48 35 40 w	20 35.083 s	48 35.667 w	579	AT	37	0	
6	Barroso Duv	20 23 15 s	48 54 56 w	20 23.250 s	48 54.933 w	474	AT	73	341	Barroso/MG
7	Bebedouro	20 54 01 s	48 28 24 w	20 54.017 s	48 28.400 w	592	HDSF			
7	Botelho	21 21 48 s	48 40 00 w	21 21.800 s	48 40.000 w	538	T	55	221	
8	Botelho Santa Adelia	21 21 50 s	48 45 55 w	21 21.833 s	48 45.917 w	529	T	60	230	
9	<i>Cabeceira 13</i>	20 53 50 s	48 28 48 w	20 53.833 s	48 28.800 w	592	FD	0.8	316	Bebedouro
9	Cardoso	20 04 57 s	49 54 52 w	20 04.950 s	49 54.867 w	425	T	175	321	
10	<i>Cabeceira 31</i>	20 54 12 s	48 28 02 w	20 54.200 s	48 28.033 w	592	FD	0.7	138	Bebedouro
11	Cajobi	20 52 40 s	48 48 25 w	20 52.667 s	48 48.417 w	551	T	35	294	

<i>Number</i>	<i>Name</i>	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>Elevation</i> <i>Codes</i> <i>METERS</i>	<i>Distance</i> <i>Km</i>	<i>Bearing</i>	<i>Comment</i>
12	Campina Verde	19 33 06 s	49 29 50 w	19 33.100 s	49 29.833 w	530 AT	184	344	MG
13	Catanduva	21 08 56 s	48 59 18 w	21 08.933 s	48 59.300 w	552 AT	60	262	
14	Chac Serradinho	21 15 51 s	48 21 21 w	21 15.850 s	48 21.350 w	632 AT	42	183	Jaboticabal
14	Conc Alagoas I	20 02 02 s	48 14 02 w	20 02.033 s	48 14.033 w	558 AT	100	34	Volta Grande/MG
15	Clube Marte Ibira	21 05 29 s	49 13 27 w	21 05.483 s	49 13.450 w	474 AT	81	275	Ibira
16	Colina	20 42 47 s	48 32 26 w	20 42.783 s	48 32.433 w	588 T	22	1	
17	Comendador Gomes	19 41 50 s	49 05 01 w	19 41.833 s	49 05.017 w	572 T	148	354	
18	Cpo Florido	19 45 45 s	48 34 17 w	19 45.750 s	48 34.283 w	623 T	127	15	Campo Florido
18	Embauba	20 58 59 s	48 50 09 w	20 58.983 s	48 50.150 w	540 T	39	276	
19	Curva do Anjo	19 30 46 s	49 40 43 w	19 30.767 s	49 40.717 w	511 T	199	341	Campina Verde/MG
20	Dr Heraclito M Luiz	20 25 59 s	48 13 31 w	20 25.983 s	48 13.517 w	548 AT	58	46	Guaira
21	Duploceu	20 15 06 s	49 33 03 w	20 15.100 s	49 33.050 w	472 T	133	322	
22	Faz 3 Barras	20 56 54 s	48 11 18 w	20 56.900 s	48 11.300 w	528 AT	30	120	Pitangueiras
22	Faz Altair	21 28 02 s	48 22 02 w	21 28.033 s	48 22.033 w	620 T	64	190	Santa Ernestina
23	Faz Alianca 1	20 30 18 s	48 02 41 w	20 30.300 s	48 02.683 w	724 AT	63	65	Ipua
24	Faz B Agudo	20 48 37 s	48 13 22 w	20 48.617 s	48 13.367 w	513 AT	28	89	Morro Agudo
25	Faz B Vista Pirassununga	22 02 39 s	47 33 38 w	22 02.650 s	47 33.633 w	752 AT	158	163	
26	Faz Bananeira	20 34 48 s	49 04 47 w	20 34.800 s	49 04.783 w	510 T	72	319	Altair
27	Faz Barreiro Grande	20 20 53 s	48 46 31 w	20 20.883 s	48 46.517 w	533 AT	69	353	Colombia
28	Faz Brumado	20 25 45 s	48 33 43 w	20 25.750 s	48 33.717 w	550 AT	53	10	Barretos
29	Faz California 1	20 25 48 s	48 36 08 w	20 25.800 s	48 36.133 w	548 AT	54	5	Barretos
30	Faz Constancia	20 29 20 s	49 11 20 w	20 29.333 s	49 11.333 w	510 AT	87	321	Altair
31	Faz Continental	20 14 10 s	48 39 05 w	20 14.167 s	48 39.083 w	501 AT	76	6	Colombia
32	Faz Campo Grande	20 15 26 s	48 47 20 w	20 15.433 s	48 47.333 w	558 AT	79	355	Colombia
33	Faz Contendas	21 23 21 s	48 31 38 w	21 23.350 s	48 31.633 w	591 T	55	206	Taquaritinga
33	Faz Fortaleza Jaborandi	20 35 45 s	48 22 22 w	20 35.750 s	48 22.367 w	492 AT	35	37	
34	Faz N São Aparecida	19 56 55 s	48 35 03 w	19 56.917 s	48 35.050 w	517 AT	106	14	Pirajuba/MG
35	Faz Cruzeiro 1	21 24 44 s	48 19 43 w	21 24.733 s	48 19.717 w	645 T	59	185	Guariba
35	Faz Naisa	20 19 49 s	48 48 36 w	20 19.817 s	48 48.600 w	530 AT	72	351	Colombia
36	Faz Palmital	20 41 52 s	48 17 10 w	20 41.867 s	48 17.167 w	504 AT	30	61	Morro Agudo
37	Faz Paloma	20 19 16 s	48 50 01 w	20 19.267 s	48 50.017 w	520 AT	75	350	Colombia
38	Faz Parafuso	19 44 28 s	49 51 21 w	19 44.467 s	49 51.350 w	442 T	193	331	Honoropolis/MG
39	Faz Posses R Gde 1	20 17 42 s	48 59 06 w	20 17.700 s	48 59.100 w	481 AT	86	341	Guaraci
40	Faz São João 1a	20 11 26 s	49 03 03 w	20 11.433 s	49 03.050 w	484 AT	99	342	Guaraci
41	Faz São João 4a	19 09 55 s	49 07 17 w	19 09.917 s	49 07.283 w	622 T	204	0	Prata/MG
42	Faz Posses R Gde 2	20 18 39 s	48 58 37 w	20 18.650 s	48 58.617 w	482 AT	84	341	Guaraci
42	Faz São Sebastiao	19 38 12 s	48 47 21 w	19 38.200 s	48 47.350 w	729 AT	144	7	Campo Florido/MG
43	Faz S Francisco 1	20 34 03 s	50 13 49 w	20 34.050 s	50 13.817 w	438 AT	186	301	Magda
43	Faz Sta Marta	19 38 32 s	48 42 43 w	19 38.533 s	48 42.717 w	655 AT	142	10	Campo Florido/MG
44	Faz São João 1b	20 13 00 s	49 04 00 w	20 13.000 s	49 04.000 w	510 AT	98	341	Guaraci
44	Faz Turvo	20 38 33 s	48 29 09 w	20 38.550 s	48 29.150 w	532 AT	29	17	Jaborandi

Number	Name	Latitude ° ' "	Longitude ° ' "	Latitude ° ' "	Longitude ° ' "	Elevation METERS	Codes*	Distance Km	Bearing	Comment
45	Faz Vale Verde	19 40 19 S	48 59 42 W	19 40.317 S	48 59.700 W	707	AT	147	358	Comendador Gomes
46	Faz S Joao 3	20 44 44 S	47 56 01 W	20 44.733 S	47 56.017 W	662	AT	59	93	Orlandia
46	Foz Sapucaí	20 07 43 S	48 26 43 W	20 07.717 S	48 26.717 W	468	T	86	22	Miguelopolis
47	Fronteira	20 16 43 S	49 11 16 W	20 16.717 S	49 11.267 W	486	AT	102	333	MG
48	Faz Sonho Dourado	20 28 02 S	50 08 32 W	20 28.033 S	50 08.533 W	525	AT	180	305	Valentim Gentil
48	Frutal	20 00 18 S	48 57 41 W	20 00.300 S	48 57.683 W	550	AT	112	353	MG
49	Guaira	20 19 49 S	48 19 00 W	20 19.817 S	48 19.000 W	511	T	65	34	
50	Guaraci	20 29 59 S	48 56 39 W	20 29.983 S	48 56.650 W	486	T	66	332	
51	Honoropolis	19 33 51 S	50 00 49 W	19 33.850 S	50 00.817 W	513	T	219	332	MG
52	Faz Vassoural	21 04 22 S	49 22 03 W	21 04.367 S	49 22.050 W	549	AT	95	278	Pontal 1
52	Ibitu	20 36 50 S	48 45 57 W	20 36.833 S	48 45.950 W	512	T	44	336	Barretos
53	Fernandopolis	20 16 36 S	50 12 50 W	20 16.600 S	50 12.833 W	500	AT	194	311	
53	Itapagipe 1	19 54 12 S	49 22 12 W	19 54.200 S	49 22.200 W	486	T	145	340	
54	Frigo Estrela	20 17 41 S	50 24 48 W	20 17.683 S	50 24.800 W	486	AT	213	308	Estrela d'Oeste
54	Jaboticabal	21 13 49 S	48 17 05 W	21 13.817 S	48 17.083 W	628	AT	42	172	
55	Jurupeba	20 18 42 S	49 22 57 W	20 18.700 S	49 22.950 W	483	T	115	324	Palestina
56	Monjolinho	19 33 26 S	49 15 14 W	19 33.433 S	49 15.233 W	531	T	170	351	Prata/MG 2
57	Mte Alto	21 15 32 S	48 31 25 W	21 15.533 S	48 31.417 W	746	AT	40	207	Monte Alto
58	Ibiporanga	20 28 39 S	49 34 26 W	20 28.650 S	49 34.433 W	516	T	124	312	
58	Olimpia 1	20 44 16 S	48 54 36 W	20 44.267 S	48 54.600 W	486	T	49	312	
59	Paulo Faria 1	20 01 48 S	49 24 02 W	20 01.800 S	49 24.033 W	451	T	137	335	Paulo de Faria
60	Itajobi	21 19 07 S	49 03 17 W	21 19.117 S	49 03.283 W	488	T	76	252	
60	Pirangi	21 05 30 S	48 39 32 W	21 05.500 S	48 39.533 W	544	T	29	242	
61	Itapagipe 2	19 54 33 S	49 22 54 W	19 54.550 S	49 22.900 W	504	T	145	339	
61	Planura MG	20 07 34 S	48 42 04 W	20 07.567 S	48 42.067 W	496	AT	89	4	
62	Pous R das Pedras	19 32 02 S	48 50 17 W	19 32.033 S	48 50.283 W	672	AT	157	6	Prata/MG
63	Prata	19 20 07 S	48 56 38 W	19 20.117 S	48 56.633 W	666	T	181	4	MG
64	R da Prata	19 18 17 S	49 22 04 W	19 18.283 S	49 22.067 W	518	T	200	352	Ituiutaba/MG
65	Jales	20 17 28 S	50 32 40 W	20 17.467 S	50 32.667 W	456	AT	226	307	
65	Riolandia 1	19 58 55 S	49 40 48 W	19 58.917 S	49 40.800 W	450	T	162	329	
66	Sintagro	19 13 36 S	48 56 01 W	19 13.600 S	48 56.017 W	700	AT	192	5	Prata/MG
67	Tabapua	20 57 57 S	49 01 53 W	20 57.950 S	49 01.883 W	530	T	58	283	
68	Miguelopolis	20 10 48 S	48 01 56 W	20 10.800 S	48 01.933 W	516	T	92	50	
68	Taquaritinga	21 24 25 S	48 30 18 W	21 24.417 S	48 30.300 W	580	T	56	203	
69	Us Bonfim	21 24 24 S	48 18 58 W	21 24.400 S	48 18.967 W	666	T	59	184	Guariba
70	Us Catanduva	21 07 44 S	48 50 43 W	21 07.733 S	48 50.717 W	547	AT	46	256	Palmares Paulista
71	Mte Aprazivel	20 46 21 S	49 42 51 W	20 46.350 S	49 42.850 W	464	T	130	296	
71	Us Cerradao	19 55 27 S	49 09 15 W	19 55.450 S	49 09.250 W	514	T	130	347	Frutal/MG
72	Mutuca	21 30 50 S	48 09 00 W	21 30.833 S	48 09.000 W	613	T	76	174	
72	Us Colorado	20 16 37 S	48 10 57 W	20 16.617 S	48 10.950 W	596	AT	76	44	Guaira
73	Nipoa	20 54 50 S	49 46 41 W	20 54.833 S	49 46.683 W	422	T	136	289	

Number	Name	Latitude ° ' "	Longitude ° ' "	Latitude ° ' "	Longitude ° ' "	Elevation METERS	Codes*	Distance Km	Bearing	Comment
73	Us Coruripe	19 48 53 s	48 44 20 w	19 48.883 s	48 44.333 w	594	AT	124	7	Campo Florido/MG
74	Nuporanga	20 43 53 s	47 43 51 w	20 43.883 s	47 43.850 w	794	T	79	96	
74	Us Frutal	20 05 35 s	48 49 06 w	20 05.583 s	48 49.100 w	521	AT	97	358	Frutal/MG
75	Olimpia 2	20 45 21 s	48 56 06 w	20 45.350 s	48 56.100 w	525	T	51	308	
75	Us Mandu	20 28 56 s	48 22 22 w	20 28.933 s	48 22.367 w	496	AT	48	33	Guaira
76	Paulo Faria 2	20 01 53 s	49 23 01 w	20 01.883 s	49 23.017 w	447	T	135	335	
76	Us Santa Adelia	21 19 56 s	48 18 58 w	21 19.933 s	48 18.967 w	618	AT	51	181	Jaboticabal
78	Plaza Inn	20 57 00 s	48 29 36 w	20 57.000 s	48 29.600 w	588	T	5.9	220	
79	Potirendaba	21 02 36 s	49 22 39 w	21 02.600 s	49 22.650 w	479	T	95	280	
80	Riolandia 2	19 58 50 s	49 40 56 w	19 58.833 s	49 40.933 w	450	T	162	329	
83	Sta Paula	20 42 14 s	49 23 29 w	20 42.233 s	49 23.483 w	567	AT	98	303	Ipigua
84	Restinga	20 36 14 s	47 28 59 w	20 36.233 s	47 28.983 w	881	T	108	92	
85	Taiuva	21 07 26 s	48 27 06 w	21 07.433 s	48 27.100 w	627	T	25	195	
86	Tanabi	20 37 37 s	49 38 59 w	20 37.617 s	49 38.983 w	522	T	126	304	
87	Tapinas	21 26 48 s	48 47 11 w	21 26.800 s	48 47.183 w	491	T	69	228	
88	Terra Roxa	20 47 15 s	48 19 53 w	20 47.250 s	48 19.883 w	544	T	19	70	
97	Viradouro	20 52 23 s	48 17 49 w	20 52.383 s	48 17.817 w	538	T	19	101	
	300 Km Heber	21 03 58 s	48 27 45 w	21 03.967 s	48 27.750 w	637	T	18	196	
	300 Km Heber2	21 02 38 s	48 28 01 w	21 02.633 s	48 28.017 w	648	T	16	198	
	60 Pirangi Para 500FAI	21 06 13 s	48 41 31 w	21 06.217 s	48 41.517 w	593	T	32	245	
	750 FAI	14 22 45 s	46 03 37 w	14 22.750 s	46 03.617 w	765	T	769	40	
	A Ribeiro	21 38 31 s	47 28 12 w	21 38.517 s	47 28.200 w	846	AT	133	149	Santa Rita do Passa Quatro
	Aapub	15 46 17 s	47 54 16 w	15 46.283 s	47 54.267 w	1133.9	AT	573	26	Brasilia Apub 11/A05
	Acamp Arete	20 29 54 s	47 28 20 w	20 29.900 s	47 28.333 w	971	AT	113	87	Franca
	Adamantina	21 41 46 s	51 05 47 w	21 41.767 s	51 05.783 w	425	AT	286	271	
	Adelf	20 20 15 s	46 51 00 w	20 20.250 s	46 51.000 w	624.8	AT	180	90	Delfinopolis MG
	Aerogardi	21 33 40 s	48 47 55 w	21 33.667 s	48 47.917 w	537	AT	81	224	Itapolis
	Agcar	18 50 51 s	45 51 55 w	18 50.850 s	45 51.917 w	1066.8	AT	356	70	Tiros - MG - 11t12
	Agoias	16 35 27 s	49 23 36 w	16 35.450 s	49 23.600 w	800.1	AT	489	8	Goiania-Go-03a07
	Agrishow	21 12 42 s	47 51 58 w	21 12.700 s	47 51.967 w	602	AT	72	139	Ribeirao Preto
	Agriter	16 17 45 s	47 37 30 w	16 17.750 s	47 37.500 w	916	AT	520	30	
	Akiko	21 02 36 s	47 43 06 w	21 02.600 s	47 43.100 w	615.7	AT	80	122	RibeirãO Preto - Kiko - Sp
	Alime	20 20 17 s	46 25 06 w	20 20.283 s	46 25.100 w	747.1	AT	223	94	Vargem Bonita MG
	Alto Gracias	16 55 18 s	53 32 32 w	16 55.300 s	53 32.533 w	826	AT	693	329	
	Amarais	22 51 33 s	47 06 29 w	22 51.550 s	47 06.483 w	612	AT	259	167	Campinas
	Americana	22 45 19 s	47 16 05 w	22 45.317 s	47 16.083 w	635	AT	241	169	
	Anapolis	16 01 16 s	49 46 38 w	16 01.267 s	49 46.633 w		T	560	5	TMA - FL065 - F1145 119.15 - 120.55 129.45 - 133.0 C
	Anapolis 1	16 06 57 s	48 38 51 w	16 06.950 s	48 38.850 w		T	532	18	CTR - Gnd - F1065 120.55 - 133.0 C
	Anapolis 2	16 39 59 s	48 48 22 w	16 39.983 s	48 48.367 w		T	472	16	CTR - Gnd - F1065 119.15 - 129.45 Opr 122.5 C
	Andradina	20 55 33 s	51 23 02 w	20 55.550 s	51 23.033 w	380	AT	302	289	
	Aparecido do Taboado	20 05 20 s	51 08 51 w	20 05.333 s	51 08.850 w	416	AT	293	307	35M

<i>NumberName</i>	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>Elevation</i> <i>Codes</i> <i>METERS</i>	<i>*Distance</i> <i>Km</i>	<i>Bearing</i>	<i>Comment</i>
Aracatuba	21 08 39 s	50 25 35 w	21 08.650 s	50 25.583 w	415 AT	205	282	
Araraquara	21 48 43 s	48 08 00 w	21 48.717 s	48 08.000 w	706 AT	107	181	
Araras	22 20 13 s	47 21 30 w	22 20.217 s	47 21.500 w	685 AT	197	164	
Arinos	15 53 27 s	46 05 56 w	15 53.450 s	46 05.933 w	525 AT	611	45	
Asgot	19 21 02 s	46 06 08 w	19 21.033 s	46 06.133 w	1188.7 AT	302	75	S Gotardo-MG - 17t11
Assis	22 38 24 s	50 27 11 w	22 38.400 s	50 27.183 w	564 AT	281	246	
Atibaia	23 07 40 s	46 34 29 w	23 07.667 s	46 34.483 w	790 AT	316	162	
Auriflama	20 44 31 s	50 31 54 w	20 44.517 s	50 31.900 w	389 AT	215	294	
Avare	23 05 35 s	48 59 03 w	23 05.583 s	48 59.050 w	810 AT	249	212	
Baln S Januario	24 52 15 s	47 45 30 w	24 52.250 s	47 45.500 w	8 AT	448	191	Ilha Comprida
Bariri	22 04 09 s	48 42 24 w	22 04.150 s	48 42.400 w	487 AT	132	210	
Barreiro	19 46 28 s	48 08 38 w	19 46.467 s	48 08.633 w	724 AT	130	35	Uberaba/MG
Base Aerea Santos	23 55 41 s	46 17 59 w	23 55.683 s	46 17.983 w	3 AT	404	167	Guaruja
Base Aviacao	23 02 20 s	45 30 57 w	23 02.333 s	45 30.950 w	581 AT	387	148	Taubate
Batatais	20 52 38 s	47 35 09 w	20 52.633 s	47 35.150 w	881 AT	92	108	
Bauru	22 20 44 s	49 03 11 w	22 20.733 s	49 03.183 w	617 AT	172	220	
Bauru Aurealva	22 09 38 s	49 04 14 w	22 09.633 s	49 04.233 w	594 AT	153	224	Bauru
Bela Vista Pista	16 57 34 s	48 56 15 w	16 57.567 s	48 56.250 w	843 AT	441	13	
Birigui	21 16 55 s	50 19 37 w	21 16.917 s	50 19.617 w	425 AT	197	277	
Boituva	23 17 53 s	47 41 31 w	23 17.883 s	47 41.517 w	625 AT	279	183	
Botucatu	22 56 12 s	48 28 03 w	22 56.200 s	48 28.050 w	918 AT	226	200	
Braganca Pta	22 58 45 s	46 32 15 w	22 58.750 s	46 32.250 w	880 AT	305	159	Braganca Paulista
Brasilandia	17 00 44 s	46 00 57 w	17 00.733 s	46 00.950 w	532 AT	504	51	
Brasilia	15 09 50 s	47 48 54 w	15 09.833 s	47 48.900 w	T	642	26	TMA - FI065 - FI145 Atis - Opr 122.5 CTR - Gnd - FI 065 119.2 - 119.5 119.7 - 125.45
Bunge Fertilizantes	24 43 09 s	48 07 07 w	24 43.150 s	48 07.117 w	76 AT	426	195	Cajati
Buritizal	20 11 30 s	47 42 31 w	20 11.500 s	47 42.517 w	820 T	112	65	
C Grande	20 12 05 s	54 15 16 w	20 12.083 s	54 15.267 w	T	607	296	Campo Grande TMA - FL 045 - FI 145 CTR - Gnd - FI 045 119.35 - 119.65 - 120.2 D
Cabeceiras Pista	15 48 51 s	46 56 32 w	15 48.850 s	46 56.533 w	962 AT	588	36	
Cacapava	23 02 36 s	45 46 32 w	23 02.600 s	45 46.533 w	563 AT	366	151	
Caiabu	21 53 56 s	51 11 11 w	21 53.933 s	51 11.183 w	445 AT	302	268	
Campoalgrdgs	17 38 49 s	47 47 06 w	17 38.817 s	47 47.100 w	973 AT	369	31	
Capao Bonito	24 01 57 s	48 21 30 w	24 01.950 s	48 21.500 w	732 AT	348	198	
Capao Cruz	21 27 38 s	47 53 22 w	21 27.633 s	47 53.367 w	649 AT	87	156	Luis Antonio
Casa Branca	21 47 17 s	47 03 20 w	21 47.283 s	47 03.333 w	715 AT	177	144	
Castilho	21 01 18 s	51 35 50 w	21 01.300 s	51 35.833 w	316 AT	325	287	
Catalao Out Return	18 00 24 s	47 49 01 w	18 00.400 s	47 49.017 w	868 T	329	32	
Ccgare	20 22 32 s	54 23 34 w	20 22.533 s	54 23.567 w	590.4 T	619	294	Campo Grande Pos Areia
CCGAut	20 28 29 s	54 27 49 w	20 28.483 s	54 27.817 w	596.2 T	625	293	Campo Grande Pos Autodromo
CCGCas	20 12 11 s	54 42 38 w	20 12.183 s	54 42.633 w	340.8 T	654	296	Campo Grande Pos Cascata
CCGGra	20 37 26 s	54 31 30 w	20 37.433 s	54 31.500 w	559.6 T	630	292	Campo Grande Pos Granja
CCGPon	20 25 54 s	54 55 55 w	20 25.900 s	54 55.917 w	T	674	293	PortãO Ponte

<i>NumberName</i>	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>ElevationCodes</i> METERS	<i>*Distance</i> Km	<i>Bearing</i>	<i>Comment</i>
CCGPos	20 41 33 s	54 33 10 w	20 41.550 s	54 33.167 w	T	632	291	Portão Posto
CCGRet	20 41 00 s	54 50 23 w	20 41.000 s	54 50.383 w	507.2 T	662	291	Campo Grande Pos Retiro
CCGTer	20 26 22 s	54 51 55 w	20 26.367 s	54 51.917 w	418.5 T	667	293	Campo Grande Pos Terenos
Chac Sta Julieta	21 34 46 s	49 52 28 w	21 34.767 s	49 52.467 w	434 AT	164	262	Promissao
Cia Agricola Quata	22 17 17 s	50 38 25 w	22 17.283 s	50 38.417 w	585 AT	272	255	Quata
Com V Bonomi	21 31 55 s	47 02 50 w	21 31.917 s	47 02.833 w	630 AT	164	136	Mococa
Conc Alagoas 2	20 00 30 s	48 15 02 w	20 00.500 s	48 15.033 w	558 AT	102	33	Volta Grande/MG
Conchal	22 21 51 s	47 16 13 w	22 21.850 s	47 16.217 w	654 AT	205	163	
Congonhas	23 37 34 s	46 39 23 w	23 37.567 s	46 39.383 w	802 AT	356	169	Sao Paulo
Control Point 750 N-NE	20 56 56 s	48 27 37 w	20 56.933 s	48 27.617 w	588 T	5.6	186	
Correntina	13 57 00 s	45 58 00 w	13 57.000 s	45 58.000 w	915 AT	817	39	
Country Club Orgabil	21 12 59 s	50 24 20 w	21 12.983 s	50 24.333 w	382 AT	204	280	Aracatuba
Cpo Fontenelle	21 59 04 s	47 19 37 w	21 59.067 s	47 19.617 w	600 AT	169	156	Pirassununga
Cristal	22 10 54 s	50 29 33 w	22 10.900 s	50 29.550 w	413 AT	253	255	Bora
Cuiaba	16 05 46 s	55 59 40 w	16 05.767 s	55 59.667 w	T	956	323	Cuiabá TMA - FI035 - FI 145 CTR - Gnd - FI 035 119.4 - 120.35 C
Dores do Indaia	19 27 26 s	45 35 04 w	19 27.433 s	45 35.067 w	759 AT	342	82	
Dr Augusto A Botelho	22 11 43 s	47 51 46 w	22 11.717 s	47 51.767 w	776 AT	157	176	Itirapina
Dracena	21 27 40 s	51 36 24 w	21 27.667 s	51 36.400 w	372 AT	331	278	
E C A Botelho	22 21 27 s	51 06 03 w	22 21.450 s	51 06.050 w	535 AT	316	259	Rancharia
Ecofly Duv	22 17 50 s	48 07 08 w	22 17.833 s	48 07.133 w	645 AT	160	187	Brotas
Edra do Brasil	22 26 25 s	47 42 06 w	22 26.417 s	47 42.100 w	610 AT	189	175	Ipeuna
Embraer	21 45 51 s	48 24 19 w	21 45.850 s	48 24.317 w	614 AT	96	196	Gaviao Peixoto
Embratel Torre40	16 21 29 s	47 49 48 w	16 21.483 s	47 49.800 w	894 AT	510	28	
Est Colorado	20 45 40 s	47 51 44 w	20 45.667 s	47 51.733 w	723 AT	65	96	Sales Oliveira
Est Machado	22 06 04 s	51 27 06 w	22 06.067 s	51 27.100 w	423 AT	336	266	Alvares Machado
Estreito	20 10 36 s	47 17 30 w	20 10.600 s	47 17.500 w	728 LT	147	77	
Estreito Duv	20 09 54 s	47 17 01 w	20 09.900 s	47 17.017 w	729 AT	148	77	Estreito
FAI 300 N	20 02 16 s	48 44 03 w	20 02.267 s	48 44.050 w	456 T	100	4	
FAI 300 S	21 03 49 s	49 18 18 w	21 03.817 s	49 18.300 w	438 T	88	278	
FAI 300 W	20 58 56 s	49 08 18 w	20 58.933 s	49 08.300 w	504 T	70	282	
FAI 500 NE	19 51 32 s	47 15 30 w	19 51.533 s	47 15.500 w	1084 T	172	68	
FAI 500 West	20 46 37 s	49 39 11 w	20 46.617 s	49 39.183 w	448 T	123	296	
FAI 500 W	20 57 35 s	49 28 06 w	20 57.583 s	49 28.100 w	492 T	104	286	
FAI 750 N	19 09 59 s	48 58 10 w	19 09.983 s	48 58.167 w	678 T	200	5	
FAI 750 W	20 17 22 s	50 35 08 w	20 17.367 s	50 35.133 w	444 T	230	307	
FAI 750 S-SO	14 16 57 s	46 20 14 w	14 16.950 s	46 20.233 w	747 T	770	37	
FAI N NW	20 42 16 s	49 24 26 w	20 42.267 s	49 24.433 w	527 T	99	302	
Faita Pista	16 16 19 s	47 53 19 w	16 16.317 s	47 53.317 w	1011 AT	518	27	
Faz 2 Lagos	23 18 27 s	47 56 02 w	23 18.450 s	47 56.033 w	584 AT	273	188	Tatui
Faz 20 de Maio	21 48 32 s	49 58 16 w	21 48.533 s	49 58.267 w	460 AT	185	257	Getulina
Faz 3 Irmaos	20 13 40 s	50 58 06 w	20 13.667 s	50 58.100 w	445 AT	270	306	Santa Fe do Sul

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Faz Agronet	19 59 26 S	50 15 58 W	19 59.433 S	50 15.967 W	476 AT	212	318	Indiapora
Faz Agua Fria	21 01 49 S	50 55 33 W	21 01.817 S	50 55.550 W	420 AT	255	286	Lavinia
Faz Alamo	21 48 55 S	47 54 03 W	21 48.917 S	47 54.050 W	736 AT	118	170	Sao Carlos
Faz Alvorada	22 31 30 S	50 02 45 W	22 31.500 S	50 02.750 W	578 AT	243	242	Campos Novos Paulistas
Faz Amalia	21 26 39 S	47 22 16 W	21 26.650 S	47 22.267 W	702 AT	129	138	Santa Rosa do Viterbo
Faz Anhagai	20 55 39 S	50 44 36 W	20 55.650 S	50 44.600 W	360 AT	236	289	Aracatuba
Faz Anhumas	22 07 21 S	52 11 52 W	22 07.350 S	52 11.867 W	305 AT	409	270	Presidente Epitacio
Faz Anhumas II	22 02 33 S	52 17 29 W	22 02.550 S	52 17.483 W	291 AT	415	271	Presidente Epitacio
Faz Aparecida	21 29 53 S	50 06 04 W	21 29.883 S	50 06.067 W	460 AT	181	268	Penapolis
Faz Aracatuba	21 20 36 S	51 15 06 W	21 20.600 S	51 15.100 W	427 AT	292	280	Pacaembu
Faz Araras	23 18 30 S	49 05 21 W	23 18.500 S	49 05.350 W	660 AT	275	213	Itai
Faz Avanhadava	21 11 20 S	49 56 14 W	21 11.333 S	49 56.233 W	440 AT	155	278	Jose Bonifacio
Faz B Vista Mte Alegre	19 02 46 S	48 58 23 W	19 02.767 S	48 58.383 W	669 AT	213	6	Minas/MG
Faz Bandeira	22 00 02 S	50 35 52 W	22 00.033 S	50 35.867 W	442 AT	252	260	Tupa
Faz Barra Traitu	21 14 49 S	50 29 25 W	21 14.817 S	50 29.417 W	410 AT	213	279	Aracatuba
Faz Bela Manha	20 01 07 S	50 53 57 W	20 01.117 S	50 53.950 W	365 AT	271	311	Santa Clara d'Oeste
Faz Bom Retiro	22 47 57 S	50 02 46 W	22 47.950 S	50 02.767 W	493 AT	266	237	Ibirarema
Faz Bonanza 1	20 40 38 S	51 01 52 W	20 40.633 S	51 01.867 W	365 AT	267	295	Pereira Barreto
Faz Bonanza 2	22 09 18 S	49 17 16 W	22 09.300 S	49 17.267 W	522 AT	163	231	Avai
Faz Bonanza 3	23 41 10 S	47 33 27 W	23 41.167 S	47 33.450 W	706 AT	324	183	Salto de Pirapora
Faz Bonito	20 22 58 S	51 11 44 W	20 22.967 S	51 11.733 W	360 AT	289	301	Ilha Solteira
Faz Caicara	24 04 14 S	46 49 44 W	24 04.233 S	46 49.733 W	12 AT	391	175	Itanhaem
Faz California 2	21 44 38 S	50 56 51 W	21 44.633 S	50 56.850 W	442 AT	273	269	Inubia Paulista
Faz Cambuhy	21 37 52 S	48 28 42 W	21 37.867 S	48 28.700 W	616 AT	81	200	Matao
Faz Canaa	23 04 17 S	49 25 57 W	23 04.283 S	49 25.950 W	616 AT	261	222	Piraju
Faz Capao Cruz	21 25 47 S	47 54 06 W	21 25.783 S	47 54.100 W	583 AT	84	155	Luis Antonio
Faz Caramuru	21 41 38 S	50 56 10 W	21 41.633 S	50 56.167 W	392 AT	270	270	Inubia Paulista
Faz Cataco	21 15 19 S	49 47 41 W	21 15.317 S	49 47.683 W	409 AT	143	274	Ubarana
Faz Chapadao	22 37 19 S	46 50 39 W	22 37.317 S	46 50.650 W	800 LT	255	159	Amparo
Faz Citricola	21 43 30 S	48 22 38 W	21 43.500 S	48 22.633 W	620 AT	92	194	Gaviao Peixoto
Faz Cpo Alegre	23 09 15 S	49 12 32 W	23 09.250 S	49 12.533 W	665 AT	262	217	Cerqueira Cesar
Faz Cpo Vitoria	21 49 56 S	46 57 20 W	21 49.933 S	46 57.333 W	710 AT	188	144	Vargem Grande do Sul
Faz Cresciumal	22 09 09 S	47 16 41 W	22 09.150 S	47 16.683 W	598 AT	186	159	Leme
Faz Cruzeiro	22 10 50 S	48 29 04 W	22 10.833 S	48 29.067 W	676 AT	142	200	Jau
Faz da Prata Piste	20 22 39 S	48 04 56 W	20 22.650 S	48 04.933 W	568 AT	71	55	
Faz Eldorado	22 18 13 S	49 27 44 W	22 18.217 S	49 27.733 W	540 AT	187	233	Galia
Faz Encontro Das Aguas	22 36 12 S	48 23 18 W	22 36.200 S	48 23.300 W	497 AT	190	197	Sao Manuel
Faz Entre Rios 1	20 45 54 S	50 51 25 W	20 45.900 S	50 51.417 W	368 AT	248	293	Sud Mennucci
Faz Entre Rios 2	21 52 43 S	48 39 34 W	21 52.717 S	48 39.567 W	516 AT	110	210	Ibitinga
Faz Esmeralda	22 35 20 S	51 17 56 W	22 35.333 S	51 17.933 W	416 AT	347	257	Taciba
Faz Fartura	22 22 02 S	49 56 49 W	22 22.033 S	49 56.817 W	502 AT	223	243	Ocaucu

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Faz Figueira 1	21 30 43 S	50 07 16 W	21 30.717 S	50 07.267 W	465 AT	184	268	Penapolis
Faz Figueira 2	22 04 08 S	52 09 32 W	22 04.133 S	52 09.533 W	376 AT	403	270	Maraba Paulista
Faz Fittipaldi Citrus	21 51 16 S	48 17 45 W	21 51.267 S	48 17.750 W	510 AT	108	190	Araraquara
Faz Flamboyant	20 54 25 S	51 34 32 W	20 54.417 S	51 34.533 W	339 AT	322	289	Castilho
Faz Fortaleza Paranapanema	23 17 36 S	48 48 49 W	23 17.600 S	48 48.817 W	595 AT	268	207	
Faz Gandu	22 28 34 S	49 28 12 W	22 28.567 S	49 28.200 W	561 AT	203	230	Duartina
Faz Gavea	23 13 30 S	49 10 45 W	23 13.500 S	49 10.750 W	619 AT	269	215	Cerqueira Cesar
Faz Goiabeira	23 59 22 S	49 10 45 W	23 59.367 S	49 10.750 W	689 AT	351	212	Itabera
Faz Grande Pista	20 58 24 S	48 36 08 W	20 58.400 S	48 36.133 W	581 AT	16	259	
Faz Guadalupe	20 58 54 S	50 31 37 W	20 58.900 S	50 31.617 W	362 AT	213	287	Santo Antonio Aracanga
Faz Guanabara 1	20 49 16 S	51 16 14 W	20 49.267 S	51 16.233 W	415 AT	291	291	Andradina
Faz Guanabara 2	21 20 37 S	51 24 12 W	21 20.617 S	51 24.200 W	310 AT	308	280	Junqueiropolis
Faz Guara do Pinhal	23 39 57 S	48 04 25 W	23 39.950 S	48 04.417 W	621 AT	310	192	Itapetininga
Faz Gurucaia	21 29 41 S	50 44 02 W	21 29.683 S	50 44.033 W	410 AT	243	274	Guararapes
Faz Haras Bela Vista	22 26 17 S	48 24 20 W	22 26.283 S	48 24.333 W	713 AT	171	198	Mineiros do Tiete
Faz Herdade	22 29 33 S	46 50 37 W	22 29.550 S	46 50.617 W	760 AT	244	157	Itapira
Faz Ibipora	21 27 48 S	50 47 48 W	21 27.800 S	50 47.800 W	360 AT	249	275	Guararapes
Faz Ipameri	21 37 53 S	50 48 32 W	21 37.883 S	50 48.533 W	390 AT	255	271	Oswaldo Cruz
Faz Ipanema 1	23 25 32 S	47 34 53 W	23 25.533 S	47 34.883 W	605 AT	295	182	Ipero
Faz Ipanema 2	20 48 42 S	51 17 39 W	20 48.700 S	51 17.650 W	360 AT	293	291	Andradina
Faz Irohy	23 33 56 S	46 04 10 W	23 33.933 S	46 04.167 W	752 AT	386	160	Biritiba-Mirim
Faz Itapiranga	22 03 47 S	51 55 29 W	22 03.783 S	51 55.483 W	425 AT	380	269	Maraba Paulista
Faz Itaquere	21 39 17 S	48 15 58 W	21 39.283 S	48 15.967 W	688 AT	87	186	Araraquara
Faz Jacuba	21 55 06 S	46 57 06 W	21 55.100 S	46 57.100 W	735 AT	194	146	Vargem Grande do Sul
Faz Jaguarete	21 26 36 S	50 43 24 W	21 26.600 S	50 43.400 W	360 AT	241	275	Guararapes
Faz Jamaica	22 11 23 S	50 16 44 W	22 11.383 S	50 16.733 W	491 AT	235	252	Pompeia
Faz Jequitiba	23 50 43 S	48 26 53 W	23 50.717 S	48 26.883 W	704 AT	327	199	Buri
Faz Koga	21 52 19 S	49 58 49 W	21 52.317 S	49 58.817 W	394 AT	190	255	Getulina
Faz M Azul	22 41 10 S	48 32 01 W	22 41.167 S	48 32.017 W	729 AT	199	202	Sao Manuel
Faz M Velha	19 50 20 S	47 51 01 W	19 50.333 S	47 51.017 W	733 AT	135	49	Uberaba/MG
Faz M Vermelho	22 16 28 S	48 36 15 W	22 16.467 S	48 36.250 W	539 AT	153	205	Jau
Faz Maristela	22 57 15 S	45 36 06 W	22 57.250 S	45 36.100 W	550 AT	374	148	Tremembe
Faz Menina	20 38 42 S	51 28 36 W	20 38.700 S	51 28.600 W	340 AT	314	295	Itapura
Faz Mosquito	20 44 51 S	47 53 22 W	20 44.850 S	47 53.367 W	739 AT	63	94	Orlandia
Faz N California	22 27 58 S	51 12 04 W	22 27.967 S	51 12.067 W	442 AT	331	258	Martinopolis
Faz N Damasco	22 28 58 S	51 31 49 W	22 28.967 S	51 31.817 W	430 AT	362	260	Narandiba
Faz N S Conceicao	22 45 53 S	48 32 33 W	22 45.883 S	48 32.550 W	757 AT	207	202	Sao Manuel
Faz Negrinha	21 52 33 S	50 52 18 W	21 52.550 S	50 52.300 W	482 AT	271	266	Parapua
Faz Pacuruxu	21 15 23 S	51 43 44 W	21 15.383 S	51 43.733 W	360 AT	340	283	Sta Mercedes
Faz Paiquere	19 53 17 S	50 30 51 W	19 53.283 S	50 30.850 W	452 AT	241	317	Populina MG
Faz Palmeiras	22 09 24 S	47 43 09 W	22 09.400 S	47 43.150 W	849 AT	160	171	Analandia

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Faz Passaredo	21 19 11 S	47 13 54 W	21 19.183 S	47 13.900 W	893 AT	137 130	Cajuru
Faz Perobal	21 30 13 S	50 46 41 W	21 30.217 S	50 46.683 W	408 AT	248 274	Guararapes
Faz Pixoxo	21 46 48 S	47 52 58 W	21 46.800 S	47 52.967 W	623 AT	115 168	S Carlos
Faz Primavera 1	21 04 40 S	51 08 40 W	21 04.667 S	51 08.667 W	348 AT	278 285	Mirandopolis
Faz Primavera 2	23 00 19 S	46 42 38 W	23 00.317 S	46 42.633 W	854 LT	296 162	Itatiba
Faz Progresso	21 03 16 S	51 24 22 W	21 03.267 S	51 24.367 W	365 AT	305 286	Andradina
Faz Pte Funda	21 52 14 S	52 09 47 W	21 52.233 S	52 09.783 W	300 AT	397 273	Presidente Epitacio
Faz Pte Preta	22 44 00 S	49 29 00 W	22 44.000 S	49 29.000 W	515 AT	229 227	Santa Cruz do Rio Pardo
Faz Quatrimas	22 57 34 S	48 40 29 W	22 57.567 S	48 40.483 W	744 AT	230 205	Botucatu
Faz R Pardo	22 52 40 S	49 02 16 W	22 52.667 S	49 02.267 W	688 AT	227 215	Iaras
Faz Real	23 02 10 S	48 26 26 W	23 02.167 S	48 26.433 W	938 AT	238 199	Botucatu
Faz Recanto Cachoeira	20 20 23 S	47 28 23 W	20 20.383 S	47 28.383 W	934 AT	121 79	Cristais Paulista
Faz Regina	23 17 12 S	48 44 17 W	23 17.200 S	48 44.283 W	623 AT	267 206	Itatinga
Faz Represas	23 52 23 S	48 02 14 W	23 52.383 S	48 02.233 W	692 AT	334 192	Sao Miguel Arcanjo
Faz Royal	23 30 25 S	48 00 00 W	23 30.417 S	48 00.000 W	746 AT	294 190	Itapetininga
Faz S Francisco 2	22 55 15 S	51 21 07 W	22 55.250 S	51 21.117 W	482 AT	372 252	Florestapolis
Faz S Francisco 3	23 28 30 S	49 32 38 W	23 28.500 S	49 32.633 W	519 AT	307 221	Fartura
Faz S Geraldo	22 00 14 S	51 48 40 W	22 00.233 S	51 48.667 W	450 AT	367 270	Piquerobi
Faz S Joaquim 1	20 49 45 S	51 00 32 W	20 49.750 S	51 00.533 W	389 AT	264 291	Pereira Barreto
Faz S Joaquim 2	22 11 58 S	51 58 25 W	22 11.967 S	51 58.417 W	483 AT	390 268	Maraba Paulista
Faz S Jose 1	20 32 31 S	51 21 27 W	20 32.517 S	51 21.450 W	350 AT	303 297	Ilha Solteira
Faz S Jose 2	21 25 30 S	46 45 13 W	21 25.500 S	46 45.217 W	788 AT	188 128	Tapiratiba
Faz S Jose B Retiro	23 47 07 S	48 20 24 W	23 47.117 S	48 20.400 W	681 AT	321 197	Itapetininga
Faz S Lucas	20 55 56 S	50 57 25 W	20 55.933 S	50 57.417 W	335 AT	258 289	Mirandopolis
Faz S Marco	23 55 18 S	48 49 11 W	23 55.300 S	48 49.183 W	687 AT	338 206	Itapeva
Faz S Martinho	20 21 26 S	51 15 04 W	20 21.433 S	51 15.067 W	350 AT	295 301	Ilha Solteira
Faz S Miguel	21 52 07 S	50 06 59 W	21 52.117 S	50 06.983 W	440 AT	201 257	Pompeia
Faz São Franc Itaquere	21 45 50 S	48 34 57 W	21 45.833 S	48 34.950 W	578 AT	97 207	Nova Europa
Faz São João 2	20 33 24 S	49 17 18 W	20 33.400 S	49 17.300 W	548 AT	93 314	Nova Granada
Faz São João 4b	22 47 39 S	49 20 28 W	22 47.650 S	49 20.467 W	654 AT	229 223	Aguas de Santa Barbara
Faz São Luiz	21 05 47 S	47 44 03 W	21 05.783 S	47 44.050 W	587 AT	80 126	Jardinopolis
Faz São Paulo	20 09 22 S	49 56 06 W	20 09.367 S	49 56.100 W	491 AT	173 318	Cardoso
Faz São Roque	21 39 37 S	49 09 52 W	21 39.617 S	49 09.867 W	407 AT	111 240	Reginopolis
Faz São Sebastiao 2	19 59 48 S	47 30 56 W	19 59.800 S	47 30.933 W	537 AT	142 65	Rifaina
Faz Santana	22 10 55 S	50 51 57 W	22 10.917 S	50 51.950 W	490 AT	286 260	Rancharia
Faz Sao Juliano	20 58 13 S	48 32 10 W	20 58.217 S	48 32.167 W	584 AT	10 240	
Faz Shangrila	22 17 44 S	49 12 44 W	22 17.733 S	49 12.733 W	535 AT	173 226	Bauru
Faz Spartacus	24 00 00 S	48 36 30 W	24 00.000 S	48 36.500 W	715 AT	345 202	Taquarivai
Faz Sta Albana	23 34 16 S	48 17 00 W	23 34.267 S	48 17.000 W	625 AT	298 196	Itapetininga
Faz Sta Candida	21 20 02 S	48 10 15 W	21 20.033 S	48 10.250 W	620 AT	58 167	Guariba
Faz Sta Carolina 1	22 07 53 S	48 19 11 W	22 07.883 S	48 19.183 W	714 AT	138 193	Dourado

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Faz Sta Clara	21 18 12 s	50 45 08 w	21 18.200 s	50 45.133 w	412	AT	241	279	Rubiacea
Faz Sta Dulcina	23 33 00 s	49 15 00 w	23 33.000 s	49 15.000 w	639	AT	305	215	Taquarituba
Faz Sta Elisa 1	20 31 50 s	50 38 06 w	20 31.833 s	50 38.100 w	400	AT	229	300	Auriflama
Faz Sta Elisa 2	22 06 05 s	48 13 36 w	22 06.083 s	48 13.600 w	714	AT	136	189	Ribeirao Bonito
Faz Sta Fe	20 55 29 s	47 52 06 w	20 55.483 s	47 52.100 w	574	AT	63	112	Jardinopolis
Faz Sta Helena	22 53 31 s	45 29 38 w	22 53.517 s	45 29.633 w	550	AT	379	146	Pindamonhangaba
Faz Sta Ines	20 52 53 s	49 23 18 w	20 52.883 s	49 23.300 w	547	AT	95	291	Sao Jose do Rio Preto
Faz Sta Irene	22 29 42 s	51 54 34 w	22 29.700 s	51 54.567 w	340	AT	397	263	Sandovalina
Faz Sta Isabel	22 15 01 s	48 02 21 w	22 15.017 s	48 02.350 w	733	AT	157	183	Brotas
Faz Sta Luiza	22 28 59 s	48 31 26 w	22 28.983 s	48 31.433 w	543	AT	176	202	Barra Bonita
Faz Sta Maria 1	20 50 58 s	50 05 00 w	20 50.967 s	50 05.000 w	455	AT	167	292	Moncoes
Faz Sta Maria 2	22 00 22 s	49 24 45 w	22 00.367 s	49 24.750 w	559	AT	157	238	Pirajui
Faz Sta Maria 3	22 17 20 s	52 15 21 w	22 17.333 s	52 15.350 w	330	AT	420	268	Teodoro Sampaio
Faz Sta Maria Mata	20 43 39 s	50 58 18 w	20 43.650 s	50 58.300 w	348	AT	260	294	Sud Mennucci
Faz Sta Marina	20 51 20 s	50 46 46 w	20 51.333 s	50 46.767 w	343	AT	240	291	Santo Antonio Aracanga
Faz Sta Naria	20 39 15 s	47 24 57 w	20 39.250 s	47 24.950 w	974	AT	113	96	Franca
Faz Sta Teresinha	21 52 53 s	47 46 33 w	21 52.883 s	47 46.550 w	727	AT	131	167	Sao Carlos
Faz Sta Thereza	21 34 05 s	49 18 07 w	21 34.083 s	49 18.117 w	417	AT	114	249	Novo Horizonte
Faz Sta Vitoria	19 23 05 s	48 16 27 w	19 23.083 s	48 16.450 w	775	AT	170	27	Uberaba/MG
Faz Sto Angelo	22 14 43 s	48 15 36 w	22 14.717 s	48 15.600 w	482	AT	151	192	Brotas
Faz Sto Antonio	21 16 39 s	51 17 46 w	21 16.650 s	51 17.767 w	496	AT	296	281	Mirandopolis
Faz Sto Antonio Oricanga	22 13 43 s	46 58 12 w	22 13.717 s	46 58.200 w	682	AT	214	154	Estiva Gerbi
Faz Suissa	21 54 44 s	49 51 27 w	21 54.733 s	49 51.450 w	533	AT	182	252	Guaimbe
Faz Tapijara	23 13 12 s	49 04 31 w	23 13.200 s	49 04.517 w	588	AT	265	213	Arandu
Faz Toca	22 14 37 s	47 42 15 w	22 14.617 s	47 42.250 w	848	AT	169	172	Itirapina
Faz Turmalina	21 58 56 s	50 58 20 w	21 58.933 s	50 58.333 w	420	AT	285	265	Martinopolis
Faz U Suzanopolis	20 31 54 s	51 05 30 w	20 31.900 s	51 05.500 w	426	AT	275	298	Suzanopolis
Faz Vale Eldorado	23 00 15 s	46 38 05 w	23 00.250 s	46 38.083 w	831	AT	301	161	Atibaia
Faz Vassoural	21 04 24 s	48 01 56 w	21 04.400 s	48 01.933 w	532	AT	50	133	Pontal 2
Faz Vista Alegre	20 39 42 s	50 50 30 w	20 39.700 s	50 50.500 w	403	AT	248	296	Sud Mennucci
Faz Vista Bonita	22 30 12 s	51 48 46 w	22 30.200 s	51 48.767 w	411	AT	388	262	Sandovalina
Fazendaserby Aer	16 12 24 s	47 40 52 w	16 12.400 s	47 40.867 w	1001	AT	529	29	
Franca	20 35 37 s	47 23 03 w	20 35.617 s	47 23.050 w	1004	AT	118	93	
Garca	22 11 01 s	49 39 22 w	22 11.017 s	49 39.367 w	665	AT	188	240	
General Xavier	16 26 17 s	48 20 40 w	16 26.283 s	48 20.667 w	1066	AT	496	21	
Girua Cristalina	16 55 22 s	47 41 02 w	16 55.367 s	47 41.033 w	1077	AT	450	31	
Guararapes	21 15 47 s	50 39 11 w	21 15.783 s	50 39.183 w	400	AT	230	279	
Guaratingueta	22 47 30 s	45 12 16 w	22 47.500 s	45 12.267 w	537	AT	398	142	
Guarda Mor Aerod	17 46 01 s	47 06 15 w	17 46.017 s	47 06.250 w	600	DT	377	43	
Guarulhos	23 26 08 s	46 28 23 w	23 26.133 s	46 28.383 w	750	AT	349	164	Sao Paulo
Hot Faz Capricho	23 13 28 s	48 47 46 w	23 13.467 s	48 47.767 w	640	AT	261	207	Avare

<i>NumberName</i>	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>ElevationCodes</i> METERS	<i>*Distance</i> Km	<i>Bearing</i>	<i>Comment</i>
Ibate Duv	22 03 06 s	48 05 45 w	22 03.100 s	48 05.750 w	598 AT	134	183	Ibate
Ibiporanga da Felicidade	20 28 02 s	49 31 45 w	20 28.033 s	49 31.750 w	455 AT	120	313	Tanabi
Ibitinga	21 44 50 s	48 51 21 w	21 44.833 s	48 51.350 w	542 AT	102	223	
Ica	24 18 55 s	47 00 50 w	24 18.917 s	47 00.833 w	15 AT	408	179	Peruibe
Irapua	21 16 48 s	49 24 33 w	21 16.800 s	49 24.550 w	423 T	106	266	
Irmaos Ribeiro	22 09 42 s	46 46 36 w	22 09.700 s	46 46.600 w	920 AT	225	149	Espirito Sto do Pinhal
Itanhaem	24 09 53 s	46 47 08 w	24 09.883 s	46 47.133 w	4 AT	402	175	
Itapeva	23 56 30 s	48 52 58 w	23 56.500 s	48 52.967 w	707 AT	341	207	
Itapolis	21 36 00 s	48 49 59 w	21 36.000 s	48 49.983 w	537 AT	86	225	
Itarare	24 08 07 s	49 19 42 w	24 08.117 s	49 19.700 w	792 AT	370	213	
Itu	23 20 59 s	47 19 40 w	23 20.983 s	47 19.667 w	680 AT	297	177	
Iturama	19 43 03 s	50 13 13 w	19 43.050 s	50 13.217 w	482 AT	225	325	MG
Ituverava	20 22 31 s	47 46 08 w	20 22.517 s	47 46.133 w	627 AT	94	71	
J Martins Silva	22 13 32 s	51 20 53 w	22 13.533 s	51 20.883 w	507 AT	332	263	Regente Feijo
Jacarezinho	21 08 53 s	50 54 04 w	21 08.883 s	50 54.067 w	400 AT	253	283	Valparaiso
Jacupiranga	24 42 55 s	48 01 35 w	24 42.917 s	48 01.583 w	27 AT	427	194	
Jaguara	20 02 25 s	47 25 17 w	20 02.417 s	47 25.283 w	584 AT	145	69	Sacramento/MG
Jose Dona	21 13 03 s	50 18 03 w	21 13.050 s	50 18.050 w	408 AT	193	279	Birigui
Jundiá	23 10 54 s	46 56 37 w	23 10.900 s	46 56.617 w	757 AT	299	168	
Junqueira	20 00 22 s	47 48 29 w	20 00.367 s	47 48.483 w	537 AT	121	55	Igarapava
Lago Azul Pista	17 16 20 s	47 20 05 w	17 16.333 s	47 20.083 w	915 AT	421	37	
Leite Lopes	21 08 04 s	47 46 25 w	21 08.067 s	47 46.417 w	549 AT	77	130	Ribeirao Preto
Leme	22 13 37 s	47 22 56 w	22 13.617 s	47 22.933 w	617 AT	186	163	
Lencois Paulista	22 34 38 s	48 46 31 w	22 34.633 s	48 46.517 w	621 AT	189	209	
Leopoldoblhs Aer	16 36 36 s	48 45 00 w	16 36.600 s	48 45.000 w	913 AT	478	16	
Limeira	22 36 14 s	47 24 43 w	22 36.233 s	47 24.717 w	662 AT	219	170	
Limeira Novo	22 30 54 s	47 16 25 w	22 30.900 s	47 16.417 w	625 AT	218	166	Limeira
Lins	21 39 49 s	49 43 48 w	21 39.817 s	49 43.800 w	470 AT	155	257	
Lucelia	21 44 58 s	51 01 06 w	21 44.967 s	51 01.100 w	450 AT	280	270	
Maggi Agrop	22 36 45 s	50 05 44 w	22 36.750 s	50 05.733 w	518 AT	254	241	Campos Novos Paulistas
Malibu	20 43 34 s	51 35 19 w	20 43.567 s	51 35.317 w	340 AT	324	293	Castilho
Mamoneira	16 35 10 s	46 30 00 w	16 35.167 s	46 30.000 w	562 AT	523	44	
Marchesan	21 37 46 s	48 23 34 w	21 37.767 s	48 23.567 w	592 AT	82	194	Matao
Marilia	22 11 44 s	49 55 37 w	22 11.733 s	49 55.617 w	647 AT	208	246	
Marte	23 30 27 s	46 38 04 w	23 30.450 s	46 38.067 w	722 AT	346	167	Sao Paulo
Matao	21 37 26 s	48 21 04 w	21 37.433 s	48 21.067 w	627 AT	81	191	
Mirandopoli3	21 04 04 s	51 08 04 w	21 04.067 s	51 08.067 w	542 AT	277	286	
Mirassol	20 48 24 s	49 29 06 w	20 48.400 s	49 29.100 w	581 AT	106	295	
Mococa	21 29 14 s	47 02 02 w	21 29.233 s	47 02.033 w	641 AT	163	134	
Mogi-Mirim	22 24 36 s	46 54 19 w	22 24.600 s	46 54.317 w	693 AT	233	156	Mogi Mirim
Mte Alegre Minas	18 52 09 s	48 55 04 w	18 52.150 s	48 55.067 w	718 AT	231	8	Monte Algre de Minas/MG

<i>NumberName</i>	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>Elevation</i> <i>Codes</i> <i>METERS</i>	<i>*Distance</i> <i>Km</i>	<i>Bearing</i>	<i>Comment</i>
Mundonovo Pista	16 45 18 S	47 06 30 W	16 45.300 S	47 06.500 W	920 AT	483	37	
Museu Murilo	21 40 59 S	48 12 44 W	21 40.983 S	48 12.733 W	702 AT	91	183	Araraquara
N Horizonte	21 29 51 S	49 14 04 W	21 29.850 S	49 14.067 W	469 AT	103	250	Novo Horizonte
Nascimento I	23 37 11 S	46 59 01 W	23 37.183 S	46 59.017 W	942 AT	339	173	Vargem Grande do Sul
Nascimento II	24 04 29 S	48 13 29 W	24 04.483 S	48 13.483 W	794 AT	354	196	Capao Bonito
Olimpia 3	20 45 17 S	48 54 40 W	20 45.283 S	48 54.667 W	524 AT	48	309	
Olimpia Twn	20 34 59 S	48 52 19 W	20 34.983 S	48 52.317 W	526 LT	54	330	
Orizona Pista Ci	17 02 30 S	48 18 10 W	17 02.500 S	48 18.167 W	888 AT	429	22	
Ourinhos	22 58 25 S	49 54 41 W	22 58.417 S	49 54.683 W	467 AT	274	232	
Out and Return 500	18 42 56 S	49 05 14 W	18 42.933 S	49 05.233 W	728 T	251	5	
Out and Return 500 West	20 12 52 S	50 45 41 W	20 12.867 S	50 45.683 W	446 T	250	307	
Out and Return 15M N	18 03 38 S	49 19 17 W	18 03.633 S	49 19.283 W	750 T	328	4	
Pacato Ponto Vir	16 05 30 S	47 30 00 W	16 05.500 S	47 30.000 W	960 AT	544	31	
Papagaio	15 49 40 S	46 40 40 W	15 49.667 S	46 40.667 W	963 AT	595	39	
Paraguacu Paulista	22 25 37 S	50 36 25 W	22 25.617 S	50 36.417 W	465 AT	278	252	
Pederneiras	22 18 30 S	48 46 19 W	22 18.500 S	48 46.317 W	542 AT	160	211	
Penapolis	21 24 37 S	50 01 55 W	21 24.617 S	50 01.917 W	418 AT	171	270	
Per Barreto	20 37 29 S	51 05 06 W	20 37.483 S	51 05.100 W	393 AT	273	296	Pereira Barreto
Pereira Barreto	20 49 05 S	51 00 03 W	20 49.083 S	51 00.050 W	425 AT	263	291	
Pindamonhangaba	22 56 37 S	45 25 53 W	22 56.617 S	45 25.883 W	585 AT	387	146	
Piracicaba	22 42 38 S	47 37 10 W	22 42.633 S	47 37.167 W	575 AT	220	176	
Pirassununga	22 01 39 S	47 25 18 W	22 01.650 S	47 25.300 W	683 AT	166	159	
Pista 1	21 30 35 S	48 16 49 W	21 30.583 S	48 16.817 W	634 LT	71	183	
Pista 2	21 28 37 S	48 19 56 W	21 28.617 S	48 19.933 W	614 LT	66	187	
Pista 3	21 27 12 S	48 20 20 W	21 27.200 S	48 20.333 W	635 LT	63	187	
Planura	20 05 11 S	48 45 18 W	20 05.183 S	48 45.300 W	541 AT	95	2	
Pontal	21 01 59 S	48 00 37 W	21 01.983 S	48 00.617 W	541 AT	50	127	
Ponte Rffsa Pter	16 48 08 S	47 53 36 W	16 48.133 S	47 53.600 W	36 AT	460	28	
Pontodoscris Rio	16 43 35 S	48 10 18 W	16 43.583 S	48 10.300 W	23 AT	465	24	
Ponterismrcs P40	17 01 00 S	47 09 00 W	17 01.000 S	47 09.000 W	84 AT	454	38	
Pontersbrtlm P40	16 32 00 S	47 47 00 W	16 32.000 S	47 47.000 W	131 AT	491	29	
Pres Epitacio	21 46 32 S	52 09 47 W	21 46.533 S	52 09.783 W	297 AT	394	275	Presidente Epitacio
Pres Prudente	22 10 42 S	51 25 08 W	22 10.700 S	51 25.133 W	450 AT	336	264	Presidente Prudente
Pres Venceslau	21 53 36 S	51 53 04 W	21 53.600 S	51 53.067 W	445 AT	370	272	Presidente Venceslau
R Alegre	22 34 30 S	52 30 11 W	22 34.500 S	52 30.183 W	299 AT	456	265	Euclides da Cunha Paulista
R Claro	22 25 52 S	47 33 51 W	22 25.867 S	47 33.850 W	607 AT	194	171	
Rancho Donana	22 57 43 S	49 08 54 W	22 57.717 S	49 08.900 W	688 AT	240	217	Cerqueira Cesar
Rancho Villela	23 34 13 S	48 51 48 W	23 34.217 S	48 51.800 W	549 AT	300	208	Itai
Ribas do Rio Par	20 39 51 S	53 35 27 W	20 39.850 S	53 35.450 W	357 AT	533	292	
Ribeirao Preto	20 41 01 S	47 19 29 W	20 41.017 S	47 19.483 W	T	122	99	CTR - Gnd - FI 055 119,55 - 119.75 D
Rodeador Ba	14 42 00 S	45 50 00 W	14 42.000 S	45 50.000 W	847 AT	744	42	

NumberName	Latitude ° ' "	Longitude ° ' "	Latitude ° ' "	Longitude ° ' "	ElevationCodes METERS	*Distance Km	Bearing	Comment
Rodrigues	22 46 53 S	47 20 03 W	22 46.883 S	47 20.050 W	582 AT	240	171	Nova Odessa
Rosana Camargo	21 05 28 S	50 14 36 W	21 05.467 S	50 14.600 W	410 AT	185	283	Buritama
S Carlos	21 52 35 S	47 54 12 W	21 52.583 S	47 54.200 W	807 AT	124	171	Sao Carlos
S Joao B Vista	22 01 02 S	46 50 27 W	22 01.033 S	46 50.450 W	762 AT	210	147	Sao Joao da Boa Vista
S Jose Campos	23 13 44 S	45 52 16 W	23 13.733 S	45 52.267 W	646 AT	373	154	Sao Jose Dos Campos
S Jose R Pardo	21 38 47 S	46 55 46 W	21 38.783 S	46 55.767 W	869 AT	180	138	Sao Jose do Rio Pardo
S Manuel	22 41 46 S	48 34 34 W	22 41.767 S	48 34.567 W	730 AT	200	203	Sao Manuel
S Pedro	22 35 01 S	47 53 46 W	22 35.017 S	47 53.767 W	566 AT	196	182	Sao Pedro
S Sebastiao Paraiso	20 56 57 S	46 59 03 W	20 56.950 S	46 59.050 W	948 AT	155	112	Sao Sebastiao do Paraiso
São Joaquim da Barra	20 35 39 S	47 50 27 W	20 35.650 S	47 50.450 W	643 AT	74	83	Sao Joaquim da Barra
São Jose do Rio Preto	20 49 01 S	49 24 24 W	20 49.017 S	49 24.400 W	536 AT	97	295	Sao Jose do Rio Preto
SBBR	15 52 09 S	47 55 15 W	15 52.150 S	47 55.250 W	1065.3 AT	562	26	Brasilia-Pres. 11a33
SBBW	15 51 39 S	52 23 22 W	15 51.650 S	52 23.367 W	349.6 AT	696	343	Barra Garcas-Ba07a15
SBCG	20 28 10 S	54 40 13 W	20 28.167 S	54 40.217 W	558.7 AT	646	293	C Grande-Campo 06C26
SBCN	17 43 29 S	48 36 36 W	17 43.483 S	48 36.600 W	684.6 AT	353	18	Caldas Novas-Ca09a21
SDMD	18 00 00 S	54 41 45 W	18 00.000 S	54 41.750 W	314.9 AT	728	315	Coxim-S Izabel-18v08
SDMW	14 06 45 S	50 40 51 W	14 06.750 S	50 40.850 W	253.9 AT	790	2	N Crixas-Karajá12t06
SDMX	15 30 00 S	55 22 45 W	15 30.000 S	55 22.750 W	690.4 AT	945	328	C Verde-Fontana06v11
SDNK	14 57 54 S	54 03 03 W	14 57.900 S	54 03.050 W	765.4 AT	885	337	Primavera Leste11t09
SDNT	15 40 54 S	47 46 08 W	15 40.900 S	47 46.133 W	1085.1 AT	585	27	Brasilia-Aerora14v12
SDNZ	17 50 42 S	54 46 08 W	17 50.700 S	54 46.133 W	499.6 AT	743	316	Sonora-Alto do 01V10
SDQN	20 53 55 S	55 42 36 W	20 53.917 S	55 42.600 W	279.8 AT	752	291	Nioaque-Tangará17g06
SDQZ	15 23 50 S	52 04 29 W	15 23.833 S	52 04.483 W	301.8 AT	720	347	Barra Garcas-Es11v14
SDRH	20 50 40 S	54 31 34 W	20 50.667 S	54 31.567 W	459.6 AT	629	290	C Grande-Chapar16v08
SDRW	18 46 39 S	49 13 54 W	18 46.650 S	49 13.900 W	661.4 AT	249	1	Canapolis-Pirap05g10
SDTQ	18 13 58 S	51 12 08 W	18 13.967 S	51 12.133 W	654.4 AT	412	335	Apar Rio Doce-S13t10
SDTS	20 20 29 S	54 24 57 W	20 20.483 S	54 24.950 W	709.6 AT	622	295	Jaraguari-Plana02g09
SDTW	20 19 34 S	55 06 02 W	20 19.567 S	55 06.033 W	279.8 AT	693	294	Terenos-S JoãO-06g09
SDWK	20 00 06 S	47 46 03 W	20 00.100 S	47 46.050 W	563.6 AT	124	56	Igarapava-Junqu02a07
SDXB	16 47 23 S	47 38 36 W	16 47.383 S	47 38.600 W	1199.1 AT	465	31	Cristalina-Cris05a11
SDXF	14 07 06 S	47 31 41 W	14 07.100 S	47 31.683 W	1344.2 AT	761	28	Alto Paraiso Go09a12
SDXJ	18 29 12 S	53 09 12 W	18 29.200 S	53 09.200 W	739.4 AT	559	318	Costa Rica-Cost09a13
SDXT	19 26 08 S	55 03 46 W	19 26.133 S	55 03.767 W	334.7 AT	707	302	Rio Negro-Boa V01V07
SDZX	14 48 56 S	53 07 59 W	14 48.933 S	53 07.983 W	319.7 AT	837	343	Campinapolis-Su10g13
SJBF	15 09 32 S	48 17 02 W	15 09.533 S	48 17.033 W	650.4 AT	639	22	Mimoso Goias-J.03t08
SJBR	17 52 36 S	56 23 20 W	17 52.600 S	56 23.333 W	121.9 AT	896	311	Corumba-S Luzia03g05
SJBS	19 16 07 S	56 01 52 W	19 16.117 S	56 01.867 W	134.7 AT	810	302	Corumba-Livrame09g05
SJBT	19 34 28 S	56 05 58 W	19 34.467 S	56 05.967 W	126.8 AT	809	299	Aquidauana-S Jo16t06
SJBZ	18 57 26 S	51 06 31 W	18 57.433 S	51 06.517 W	429.8 AT	350	328	Itaruma-Três Ba18t08
SJCD	17 43 16 S	53 56 15 W	17 43.267 S	53 56.250 W	396.5 AT	674	321	Pedro Gomes-Pin02g11
SJCL	14 31 53 S	50 24 41 W	14 31.883 S	50 24.683 W	334.7 AT	737	3	N Crixas-AraçAt16v09

NumberName	Latitude ° ' "	Longitude ° ' "	Latitude ° ' "	Longitude ° ' "	Elevation METERS	Codes*	Distance Km	Bearing	Comment
SJCM	16 07 18 S	52 57 03 W	16 07.300 S	52 57.050 W	1328	AT	711	338	Pontal Araguaia13g10
SJCN	16 54 25 S	47 42 30 W	16 54.417 S	47 42.500 W	1079.3	AT	451	30	Cristalina-Aero09t08
SJCP	17 04 22 S	50 50 51 W	17 04.367 S	50 50.850 W	760.5	AT	493	349	Parauna-S Rober05v09
SJDH	14 33 00 S	45 46 00 W	14 33.000 S	45 46.000 W	880.3	AT	762	42	Jaborandi-S. M.15T07
SJDL	17 18 28 S	55 50 43 W	17 18.467 S	55 50.717 W	399.6	AT	871	316	Corumba-ParaiSo05g07
SJDN	19 27 22 S	55 44 27 W	19 27.367 S	55 44.450 W	169.8	AT	775	301	Aquidauana-Camp06g05
SJDT	19 31 06 S	55 18 43 W	19 31.100 S	55 18.717 W	137.8	AT	730	301	Aquidauana-S Ro06g05
SJDX	19 24 44 S	55 32 59 W	19 24.733 S	55 32.983 W	113.7	AT	757	301	Aquidauana-Band08g05
SJFJ	17 14 06 S	55 13 36 W	17 14.100 S	55 13.600 W	158.8	AT	818	319	S Antonio Lever10g09
SJFN	18 22 18 S	54 55 44 W	18 22.300 S	54 55.733 W	228.9	AT	732	311	Coxim-Brasil No18g09
SJFV	18 45 36 S	48 45 19 W	18 45.600 S	48 45.317 W	841.2	AT	240	13	M Alegre Minas-18v12
SJFW	15 56 17 S	46 28 39 W	15 56.283 S	46 28.650 W	806.5	AT	591	41	Unai-W. Egidio I09v10
SJGP	16 26 47 S	54 39 52 W	16 26.783 S	54 39.867 W	318.8	AT	819	326	Rondonopolis-Co14a11
SJGR	14 36 17 S	50 09 10 W	14 36.283 S	50 09.167 W	319.7	AT	722	5	Crixas-Cavalgad17g09
SJHH	18 07 12 S	52 13 04 W	18 07.200 S	52 13.067 W	696.5	AT	500	327	Serranopolis-Po16v10
SJHP	20 16 35 S	53 39 42 W	20 16.583 S	53 39.700 W	494.7	AT	544	296	Ribas Rio Pardo04g07
SJHS	19 19 03 S	48 20 55 W	19 19.050 S	48 20.917 W	754.4	AT	176	24	Uberlandia-S Vi12t12
SJHT	19 49 54 S	54 49 46 W	19 49.900 S	54 49.767 W	363.6	AT	673	299	Corguinho-Anb-M04g09
SJJB	20 46 36 S	52 46 38 W	20 46.600 S	52 46.633 W	410.6	AT	447	291	Brasilandia-Cac15t12
SJJN	20 27 59 S	52 41 15 W	20 27.983 S	52 41.250 W	401.7	AT	441	295	Agua Clara-Pont03t09
SJJW	19 30 20 S	55 36 47 W	19 30.333 S	55 36.783 W	134.7	AT	761	300	Aquidauana-S Em05c05
SJKJ	17 26 34 S	53 48 32 W	17 26.567 S	53 48.533 W	776.3	AT	679	323	Sonora-Cangaia-15g07
SJNH	18 01 38 S	55 27 37 W	18 01.633 S	55 27.617 W	150	AT	799	312	Corumba-Nhu-Ver17g08
SJNJ	15 25 57 S	51 35 26 W	15 25.950 S	51 35.433 W	271.9	AT	691	351	Jussara-Lakanka09t12
SJNM	13 59 59 S	55 56 43 W	13 59.983 S	55 56.717 W	462.7	AT	1103	333	N Mutum-S Luzia02v12
SJNV	18 25 53 S	50 15 22 W	18 25.883 S	50 15.367 W	565.7	AT	332	345	Gouvelandia-S F01T11
SJNX	18 24 29 S	52 37 49 W	18 24.483 S	52 37.817 W	831.5	AT	516	322	Chapadao Ceu-Co05v09
SJPH	16 11 22 S	48 04 41 W	16 11.367 S	48 04.683 W	1004.3	AT	525	25	Luziania-Palma-08v10
SJPQ	16 19 11 S	47 13 31 W	16 19.183 S	47 13.517 W	976.3	AT	526	35	Unai-Avstal-MG 15T06
SJPX	15 24 55 S	54 22 20 W	15 24.917 S	54 22.333 W	617.5	AT	872	333	Poxoreo-Cidade 03V10
SJQD	19 22 09 S	56 20 56 W	19 22.150 S	56 20.933 W	89.9	AT	840	300	Aquidauana-S Ro03g08
SJQN	18 26 46 S	50 24 33 W	18 26.767 S	50 24.550 W	585.5	AT	340	343	Quirinopolis-Qu13a15
SJQS	15 28 19 S	55 43 12 W	15 28.317 S	55 43.200 W	644.7	AT	975	327	Chapada Guimara05v05
SJRH	15 18 29 S	54 35 59 W	15 18.483 S	54 35.983 W	544.7	AT	897	333	C Verde-Galheir17g12
SJRL	14 27 31 S	56 03 10 W	14 27.517 S	56 03.167 W	304.8	AT	1076	330	Nobres-Do AçúCa08v06
SJRP	20 07 57 S	56 22 16 W	20 07.950 S	56 22.267 W	136.9	AT	827	294	Miranda-SantãNg06v12
SJRR	17 03 15 S	50 55 42 W	17 03.250 S	50 55.700 W	749.5	AT	500	348	Parauna-Barreir02t08
SJRT	14 22 10 S	54 00 09 W	14 22.167 S	54 00.150 W	456.6	AT	933	340	Paranatinga-Arr01v09
SJRW	19 20 28 S	52 41 22 W	19 20.467 S	52 41.367 W	481.6	AT	473	311	Agua Clara-Pch 10a16
SJSD	21 04 22 S	55 07 42 W	21 04.367 S	55 07.700 W	539.5	AT	691	287	Sidrolandia-S B09V12
SJSF	19 50 29 S	49 41 18 W	19 50.483 S	49 41.300 W	398.7	AT	173	333	S Francisco Sal09g11

<i>NumberName</i>	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>ElevationCodes</i> METERS	<i>*Distance</i> Km	<i>Bearing</i>	<i>Comment</i>
SJSJ	19 30 56 S	52 36 17 W	19 30.933 S	52 36.283 W	365.8 AT	458	309	Agua Clara-S Jo18g10
SJSM	19 00 22 S	50 57 08 W	19 00.367 S	50 57.133 W	441.7 AT	334	329	Itaruma-S Rita-16g08
SJSN	14 50 12 S	49 21 41 W	14 50.200 S	49 21.683 W	569.7 AT	681	12	S Luiz Norte-Ca11v08
SJSR	13 59 32 S	49 45 47 W	13 59.533 S	49 45.783 W	317.6 AT	780	10	Mara Rosa-S Ros01v09
SJTB	15 27 54 S	55 37 21 W	15 27.900 S	55 37.350 W	746.5 AT	967	327	Chapada Guimara07v14
SJTJ	21 07 00 S	54 26 59 W	21 07.000 S	54 26.983 W	441.7 AT	621	287	N Alvorada Sul-02t08
SJVC	20 27 33 S	49 32 01 W	20 27.550 S	49 32.017 W	541.6 AT	121	314	Tanabi-Ibiporan03v10
SJVF	18 49 04 S	53 51 54 W	18 49.067 S	53 51.900 W	543.5 AT	610	311	Figueirao-Color17g10
SJVL	19 22 13 S	47 07 44 W	19 22.217 S	47 07.733 W	999.4 AT	221	60	Perdizes-Cachoe08v09
SJVQ	18 53 22 S	49 17 10 W	18 53.367 S	49 17.167 W	679.4 AT	239	359	Canapolis-TriáL03v08
SJVS	18 42 11 S	49 41 13 W	18 42.183 S	49 41.217 W	529.4 AT	275	352	Capinopolis-Val01v08
SJWB	17 27 28 S	48 58 59 W	17 27.467 S	48 58.983 W	739.4 AT	387	12	Piracanjuba-Pou08t07
SJWC	19 35 14 S	52 57 07 W	19 35.233 S	52 57.117 W	466.6 AT	489	306	Agua Clara-Noss04t12
SJWH	14 39 04 S	55 23 02 W	14 39.067 S	55 23.033 W	404.8 AT	1009	332	N Brasilia-S11v12
SJWT	17 22 25 S	54 44 04 W	17 22.417 S	54 44.067 W	544.7 AT	766	320	Itiquira-Sucur08v12
SJWW	20 01 17 S	53 12 58 W	20 01.283 S	53 12.967 W	329.8 AT	504	300	Agua Clara-Cach14a12
SJZD	17 51 43 S	56 42 11 W	17 51.717 S	56 42.183 W	109.7 AT	927	310	Corumba-Bandeir08g08
SJZF	20 37 07 S	52 01 05 W	20 37.117 S	52 01.083 W	364.5 AT	370	294	Tres Lagoas-Cam12t12
SJZZ	15 01 03 S	53 56 09 W	15 01.050 S	53 56.150 W	669.3 AT	873	338	Primavera Leste05v10
SLC Vertice Norte	16 14 19 S	47 37 22 W	16 14.317 S	47 37.367 W	769 AT	526	30	
SNCV	19 32 17 S	49 29 42 W	19 32.283 S	49 29.700 W	549.6 AT	185	345	Campina Verde-C14t10
SNFD	17 04 49 S	45 26 50 W	17 04.817 S	45 26.833 W	529.4 AT	531	57	Buritizeiro-San06t14
SNFN	20 56 15 S	47 52 05 W	20 56.250 S	47 52.083 W	529.4 AT	63	114	Jardinopolis-S 02G10
SNGM	18 51 45 S	48 24 55 W	18 51.750 S	48 24.917 W	799.5 AT	227	21	Uberlandia-Cana05v12
SNGP	18 35 13 S	48 52 09 W	18 35.217 S	48 52.150 W	799.5 AT	261	11	Tupaciguara-S M15T10
SNHD	19 04 39 S	48 07 49 W	19 04.650 S	48 07.817 W	962.3 AT	206	30	Uberlandia-Flor12t11
SNHJ	21 05 42 S	49 54 33 W	21 05.700 S	49 54.550 W	427.6 AT	151	281	Jose Bonifacio-12a08
SNHL	17 11 36 S	45 39 56 W	17 11.600 S	45 39.933 W	599.5 AT	507	56	Joao Pinheiro-L11t11
SNHR	19 21 47 S	47 21 34 W	19 21.783 S	47 21.567 W	1081.1 AT	207	54	Perdizes-ÁGua S11V09
SNHX	17 21 45 S	47 26 27 W	17 21.750 S	47 26.450 W	789.4 AT	408	35	Paracatu-Samell06g12
SNJG	14 34 36 S	50 42 20 W	14 34.600 S	50 42.333 W	391.7 AT	742	1	N Crixas-S José03v11
SNJJ	20 42 55 S	55 22 47 W	20 42.917 S	55 22.783 W	254.8 AT	718	290	Dois Irmaos Bur06v09
SNJP	17 47 15 S	46 07 12 W	17 47.250 S	46 07.200 W	910.4 AT	425	56	Joao Pinheiro-J06a13
SNLQ	14 03 57 S	50 24 55 W	14 03.950 S	50 24.917 W	304.8 AT	787	4	N Crixas-Confor11a15
SNMM	18 35 38 S	45 21 11 W	18 35.633 S	45 21.183 W	605.6 AT	415	72	Morada N Minas-04t10
SNMP	17 19 23 S	46 32 17 W	17 19.383 S	46 32.283 W	533.7 AT	447	47	Paracatu-Maroco15 10
SNMV	18 21 00 S	53 45 00 W	18 21.000 S	53 45.000 W	380.7 AT	621	316	Alcinopolis-Flá02g10
SNNB	17 10 37 S	46 17 51 W	17 10.617 S	46 17.850 W	539.5 AT	473	49	Paracatu-Cana B11C10
SNND	18 56 08 S	49 29 20 W	18 56.133 S	49 29.333 W	552.6 AT	243	354	Ituiutaba-Berti16a08
SNNJ	14 13 04 S	46 50 19 W	14 13.067 S	46 50.317 W	465.7 AT	763	33	Iaciara-S Cruz-04a12
SNNT	19 11 56 S	47 43 40 W	19 11.933 S	47 43.667 W	993.3 AT	205	42	N Ponte-Nova Po12a15

<i>NumberName</i>	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>ElevationCodes</i> METERS	<i>*Distance</i> Km	<i>Bearing</i>	<i>Comment</i>
SNNV	16 34 14 s	54 10 15 w	16 34.233 s	54 10.250 w	334.7 AT	769	328	Pedra Preta-Est15g08
SNPD	18 40 20 s	46 29 29 w	18 40.333 s	46 29.483 w	850.4 AT	323	60	Patos Minas-Pat08a17
SNPJ	18 54 33 s	46 58 58 w	18 54.550 s	46 58.967 w	983.3 AT	271	55	Patrocínio-Patr05a12
SNPS	15 15 38 s	46 45 47 w	15 15.633 s	46 45.783 w	998.2 AT	653	36	Buritis-Pontezi11a11
SNQJ	17 31 22 s	55 24 02 w	17 31.367 s	55 24.033 w	151.8 AT	818	316	Corumba-Rancho 10V08
SNRH	21 02 20 s	45 52 18 w	21 02.333 s	45 52.300 w	799.5 AT	271	114	Boa Esperanca-R13c12
SNRP	19 12 45 s	46 14 26 w	19 12.750 s	46 14.433 w	1144.2 AT	299	71	Rio Paranaiba-R16t10
SNSR	17 32 35 s	46 58 40 w	17 32.583 s	46 58.667 w	659.6 AT	405	43	Guarda-Mor-Sant03a11
SNTD	16 35 06 s	46 30 34 w	16 35.100 s	46 30.567 w	567.5 AT	522	44	Natalandia-Mamo09a13
SNTK	18 43 02 s	47 28 59 w	18 43.033 s	47 28.983 w	884.2 AT	264	43	M Carmelo-Monte03v10
SNVK	20 30 05 s	52 22 08 w	20 30.083 s	52 22.133 w	369.7 AT	408	295	Tres Lagoas-S T05T10
SNVM	20 39 52 s	52 46 02 w	20 39.867 s	52 46.033 w	338.6 AT	447	292	Brasilandia-Gua08g10
SNWK	16 40 28 s	54 15 59 w	16 40.467 s	54 15.983 w	219.8 AT	770	327	Pedra Preta-S T15G08
SNWL	18 50 00 s	51 47 28 w	18 50.000 s	51 47.467 w	544.7 AT	416	323	Apore-Ranchinho14g09
SNWN	16 40 05 s	54 23 09 w	16 40.083 s	54 23.150 w	286.8 AT	780	326	Pedra Preta-Ali09v08
SNZR	17 14 35 s	46 52 53 w	17 14.583 s	46 52.883 w	718.4 AT	440	43	Paracatu-Paraca11a15
SSBB	20 40 29 s	56 37 47 w	20 40.483 s	56 37.783 w	367.6 AT	848	290	Bodoquena-Estre18a14
SSBF	20 00 16 s	51 23 12 w	20 00.267 s	51 23.200 w	426.7 AT	319	308	Apar Taboado-Jl07v10
SSBK	17 34 58 s	54 38 27 w	17 34.967 s	54 38.450 w	574.5 AT	745	319	Sonora-Araruna-01g11
SSBM	20 17 51 s	55 25 33 w	20 17.850 s	55 25.550 w	197.8 AT	727	294	Dois Irmaos Bur01g07
SSBW	20 54 47 s	55 00 49 w	20 54.783 s	55 00.817 w	329.8 AT	679	289	Sidrolandia-Boa08g05
SSBX	18 26 30 s	54 48 00 w	18 26.500 s	54 48.000 w	211.8 AT	717	311	Coxim-Lageado-M13g07
SSCB	13 46 33 s	49 56 49 w	13 46.550 s	49 56.817 w	297.8 AT	807	9	Mundo Novo-S Ma12v08
SSCD	18 50 16 s	52 29 12 w	18 50.267 s	52 29.200 w	805.3 AT	478	318	Chapadao Sul-Ch05a20
SSCL	19 08 47 s	51 41 07 w	19 08.783 s	51 41.117 w	477.6 AT	388	320	Cassilandia-Cas13a09
SSCS	20 37 11 s	54 43 19 w	20 37.183 s	54 43.317 w	599.5 AT	650	292	C Grande-EstãNc17t11
SSCW	18 02 23 s	56 00 20 w	18 02.383 s	56 00.333 w	134.7 AT	851	311	Corumba-S Sebas04g10
SSDJ	19 03 03 s	54 03 54 w	19 03.050 s	54 03.900 w	381.6 AT	619	308	Camapua-Bonanza06g05
SSDQ	20 10 58 s	56 38 09 w	20 10.967 s	56 38.150 w	135.9 AT	854	294	Miranda-Marema-04g07
SSDS	13 42 26 s	50 38 52 w	13 42.433 s	50 38.867 w	284.7 AT	832	3	N Crixas-Bandei18t12
SSDV	18 12 56 s	55 27 53 w	18 12.933 s	55 27.883 w	154.8 AT	791	311	Coxim-S Maria-M18g10
SSFJ	20 48 28 s	54 37 11 w	20 48.467 s	54 37.183 w	436.8 AT	639	290	C Grande-Retiro03t08
SSFP	20 51 51 s	52 10 29 w	20 51.850 s	52 10.483 w	348.7 AT	385	290	Tres Lagoas-S P15T10
SSFW	18 40 39 s	54 23 32 w	18 40.650 s	54 23.533 w	323.7 AT	667	311	Coxim-GrotãO-Ms13g10
SSGC	20 27 09 s	55 45 25 w	20 27.150 s	55 45.417 w	171.9 AT	759	292	Aquidauana-Gal 01a12
SSGF	20 11 50 s	53 13 23 w	20 11.833 s	53 13.383 w	479.8 AT	501	298	Ribas Rio Pardo02a10
SSGH	20 04 25 s	56 04 06 w	20 04.417 s	56 04.100 w	125 AT	796	295	Aquidauana-Capã10v10
SSGJ	17 14 59 s	56 16 32 w	17 14.983 s	56 16.533 w	100.9 AT	915	315	Corumba-Poleiro11t10
SSGP	15 51 14 s	47 48 23 w	15 51.233 s	47 48.383 w	999.4 AT	566	27	Brasilia-Piquet10g07
SSGS	15 23 58 s	54 10 52 w	15 23.967 s	54 10.867 w	601.7 AT	859	334	Primavera Leste05t08
SSGX	19 34 06 s	56 14 44 w	19 34.100 s	56 14.733 w	94.8 AT	824	299	Aquidauana-Rio 01G09

NumberName	Latitude ° ' "	Longitude ° ' "	Latitude ° ' "	Longitude ° ' "	Elevation METERS	Codes*	Distance Km	Bearing	Comment
SSHQ	20 33 42 S	54 51 51 W	20 33.700 S	54 51.850 W	389.5	AT	666	292	Terenos-PararSo11v10
SSJB	18 51 24 S	54 20 51 W	18 51.400 S	54 20.850 W	381.6	AT	655	309	S Gabriel Oeste03v08
SSJL	19 20 52 S	53 46 12 W	19 20.867 S	53 46.200 W	519.7	AT	579	306	Camapua-Jamaica05t08
SSJM	18 51 00 S	52 29 59 W	18 51.000 S	52 29.983 W	798.3	AT	479	318	Chapadao Sul-Jú05v15
SSJT	20 50 56 S	53 12 24 W	20 50.933 S	53 12.400 W	329.8	AT	492	290	Ribas Rio Pardo17t10
SSJV	17 56 33 S	56 28 48 W	17 56.550 S	56 28.800 W	46	AT	902	310	Corumba-Piratin02g06
SSKB	19 28 28 S	56 22 38 W	19 28.467 S	56 22.633 W	94.8	AT	840	299	Aquidauana-Tupa15g07
SSKC	19 17 33 S	52 03 39 W	19 17.550 S	52 03.650 W	535.5	AT	415	315	Inocencia-UniãO13t06
SSKD	19 45 00 S	55 28 00 W	19 45.000 S	55 28.000 W	125	AT	740	299	Aquidauana-Uniã15v11
SSKG	20 30 20 S	54 31 29 W	20 30.333 S	54 31.483 W	617.5	AT	631	293	C Grande-EstãNc06a11
SSKQ	14 32 28 S	50 27 43 W	14 32.467 S	50 27.717 W	304.8	AT	738	3	N Crixas-S Rosa03v10
SSKR	17 10 10 S	50 49 28 W	17 10.167 S	50 49.467 W	702.6	AT	483	349	Parauna-Primave06t09
SSKX	19 52 20 S	50 39 17 W	19 52.333 S	50 39.283 W	380.7	AT	254	316	Carneirinho-S L17G11
SSLB	19 01 31 S	55 55 34 W	19 01.517 S	55 55.567 W	119.8	AT	806	304	Corumba-S Pauli07g05
SSLJ	14 15 55 S	47 01 39 W	14 15.917 S	47 01.650 W	436.8	AT	754	32	Flores Goias-S 01V10
SSLK	18 12 59 S	55 09 32 W	18 12.983 S	55 09.533 W	119.8	AT	761	312	Coxim-Aldeia-Ms04v10
SSNJ	19 30 27 S	55 54 19 W	19 30.450 S	55 54.317 W	103.9	AT	791	300	Aquidauana-Prim16g11
SSNK	16 50 34 S	54 04 33 W	16 50.567 S	54 04.550 W	719.3	AT	742	326	Pedra Preta-Sem03v10
SSNL	14 19 00 S	55 46 01 W	14 19.000 S	55 46.017 W	553.5	AT	1064	332	Nobres-EssêNcia09v12
SSNN	17 11 51 S	45 46 36 W	17 11.850 S	45 46.600 W	532.5	AT	500	55	Joao Pinheiro-S11v11
SSNR	18 19 07 S	54 56 08 W	18 19.117 S	54 56.133 W	229.8	AT	735	312	Coxim-Novo Hori18g11
SSPC	13 43 54 S	51 20 24 W	13 43.900 S	51 20.400 W	263.7	AT	853	359	Cocalinho-S JúL08V14
SSPN	19 39 04 S	51 11 56 W	19 39.067 S	51 11.933 W	440.7	AT	316	315	Paranaiba-Paran14a13
SSQL	14 06 51 S	50 07 20 W	14 06.850 S	50 07.333 W	1099.1	AT	775	7	Uirapuru-Matric09v08
SSRH	20 46 41 S	55 58 58 W	20 46.683 S	55 58.967 W	175.9	AT	780	290	Anastacio-Retir03g09
SSRM	21 01 10 S	56 16 34 W	21 01.167 S	56 16.567 W	240.8	AT	810	288	Bonito-S Sebast15v08
SSSP	20 02 25 S	56 18 36 W	20 02.417 S	56 18.600 W	100	AT	822	295	Miranda-S Delfi10g11
SSSR	20 18 59 S	52 44 00 W	20 18.983 S	52 44.000 W	449.6	AT	448	297	Agua Clara-S Ro09t05
SSSW	19 43 16 S	51 57 01 W	19 43.267 S	51 57.017 W	479.8	AT	386	309	Inocencia-S Mar14t08
SSTL	20 45 16 S	51 41 02 W	20 45.267 S	51 41.033 W	319.7	AT	334	292	Tres Lagoas-Trê07a10
SSTP	17 58 15 S	50 19 14 W	17 58.250 S	50 19.233 W	484.6	AT	379	349	Turvelandia-Bae16t12
SSVX	18 30 36 S	56 25 44 W	18 30.600 S	56 25.733 W	119.8	AT	874	306	Corumba-Manduri18g06
SSWC	18 55 59 S	53 04 10 W	18 55.983 S	53 04.167 W	794.3	AT	528	314	Costa Rica-Camp18g08
SSWW	18 40 27 S	55 53 41 W	18 40.450 S	55 53.683 W	79.9	AT	815	306	Corumba-Belém-M03g05
SSWX	19 01 41 S	56 17 26 W	19 01.683 S	56 17.433 W	79.9	AT	843	303	Corumba-Retiro 12G05
SSWZ	18 30 34 S	46 16 26 W	18 30.567 S	46 16.433 W	1053.4	AT	352	61	P Olegario-Dona02t08
SSXB	17 09 37 S	56 34 11 W	17 09.617 S	56 34.183 W	167.9	AT	947	315	BR Melgaco-Alas14g08
SSXC	17 03 00 S	56 05 00 W	17 03.000 S	56 05.000 W	173.7	AT	907	317	BR Melgaco-Alas04g09
SSXH	13 41 53 S	56 17 27 W	13 41.883 S	56 17.450 W	334.7	AT	1153	333	N Mutum-Jacamin06t12
SSXL	20 26 05 S	56 20 09 W	20 26.083 S	56 20.150 W	168.9	AT	820	292	Miranda-Laguna-03g09
SSXQ	19 19 43 S	51 58 26 W	19 19.717 S	51 58.433 W	446.5	AT	405	315	Inocencia-Jota 10T09

<i>NumberName</i>	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>Elevation</i> <i>Codes</i> <i>METERS</i>	<i>*Distance</i> <i>Km</i>	<i>Bearing</i>	<i>Comment</i>
SSXW	18 48 28 S	52 36 01 W	18 48.467 S	52 36.017 W	799.5 AT	490	318	Chapadao Sul-Ae12v09
SSXZ	19 44 51 S	50 07 45 W	19 44.850 S	50 07.750 W	410.6 AT	215	326	Iturama-S Rosa-02t09
SSZC	18 01 11 S	55 00 03 W	18 01.183 S	55 00.050 W	179.8 AT	755	314	Coxim-Lambari-M18g12
SSZF	18 28 40 S	56 01 18 W	18 28.667 S	56 01.300 W	46 AT	835	307	Corumba-S Gertr08g06
SSZG	19 15 26 S	52 53 47 W	19 15.433 S	52 53.783 W	479.8 AT	497	311	Agua Clara-S Jo04t10
SSZJ	18 10 39 S	54 29 42 W	18 10.650 S	54 29.700 W	273.7 AT	700	315	Pedro Gomes-Tor08a15
SSZX	19 31 38 S	50 58 13 W	19 31.633 S	50 58.217 W	440.7 AT	302	320	Paranaiba-Lapa 17V15
SSZZ	17 42 47 S	54 24 32 W	17 42.783 S	54 24.533 W	616.6 AT	717	319	Sonora-Thauá-Ms14g10
SWBN	16 56 47 S	56 23 34 W	16 56.783 S	56 23.567 W	114.9 AT	942	316	BR Melgaco-Barr05g06
SWBX	17 29 28 S	55 13 42 W	17 29.467 S	55 13.700 W	197.8 AT	804	317	Itiquira-Santo 11G10
SWCD	15 56 10 S	48 38 59 W	15 56.167 S	48 38.983 W	1184.1 AT	552	18	Alexania-S M0Ni09a10
SWCG	18 29 32 S	51 17 58 W	18 29.533 S	51 17.967 W	627.6 AT	399	332	Cacu-VarjãO Gra03a10
SWCM	13 59 25 S	52 55 37 W	13 59.417 S	52 55.617 W	419.7 AT	902	348	Agua Boa-Couto 07V19
SWCN	14 08 36 S	51 00 54 W	14 08.600 S	51 00.900 W	238.7 AT	798	360	Cocalinho-Sauda09v11
SWCW	13 45 58 S	47 25 43 W	13 45.967 S	47 25.717 W	799.5 AT	801	28	Cavalcante-Cava05t10
SWCZ	15 20 41 S	49 36 17 W	15 20.683 S	49 36.283 W	597.4 AT	629	9	Ceres-Ceres-Go 15T11
SWDB	15 34 37 S	52 13 08 W	15 34.617 S	52 13.133 W	330.7 AT	712	346	Barra Garcas-El01v12
SWDC	16 56 18 S	53 34 42 W	16 56.300 S	53 34.700 W	766.6 AT	694	328	Alto Garcas-Arc04s10
SWDJ	14 51 27 S	52 02 12 W	14 51.450 S	52 02.200 W	269.7 AT	770	350	Barra Garcas-Du18g09
SWDM	14 22 37 S	56 24 02 W	14 22.617 S	56 24.033 W	449.6 AT	1109	329	Diamantino-Diam17a14
SWDQ	16 26 09 S	55 16 16 W	16 26.150 S	55 16.267 W	411.8 AT	871	324	S Antonio Lever12v07
SWFC	16 10 02 S	54 50 34 W	16 10.033 S	54 50.567 W	362.7 AT	853	327	Juscimeira-Colo09v09
SWFK	15 04 29 S	48 14 19 W	15 04.483 S	48 14.317 W	699.5 AT	648	22	Padre Bernardo-17g09
SWFR	15 33 22 S	47 20 43 W	15 33.367 S	47 20.717 W	964.4 AT	606	31	Formosa-Formosa05a14
SWFT	16 34 51 S	52 08 33 W	16 34.850 S	52 08.550 W	859.2 AT	616	340	Caiaponia-S MáR11V11
SWFW	14 43 02 S	51 54 32 W	14 43.033 S	51 54.533 W	279.8 AT	778	351	Barra Garcas-Ja18g10
SWGL	18 23 29 S	52 06 16 W	18 23.483 S	52 06.267 W	629.4 AT	472	326	Serranopolis-Go03v09
SWGM	15 29 24 S	55 48 53 W	15 29.400 S	55 48.883 W	750.4 AT	981	327	Cuiaba-Ninho Da12v08
SWGP	16 49 37 S	49 52 46 W	16 49.617 S	49 52.767 W	607.5 AT	476	2	Palmeiras Goias03a11
SWGT	17 11 17 S	50 12 48 W	17 11.283 S	50 12.800 W	561.4 AT	451	356	Jandaia-Nova-Go01t12
SWGW	15 26 16 S	51 35 55 W	15 26.267 S	51 35.917 W	318.8 AT	691	351	Jussara-S Rita 14V11
SWHG	17 53 02 S	50 34 02 W	17 53.033 S	50 34.033 W	484.6 AT	401	346	S Helena Goias-14a10
SWHL	15 16 30 S	55 07 18 W	15 16.500 S	55 07.300 W	684.6 AT	940	330	C Verde-Marabá-01v10
SWHP	14 01 10 S	52 09 08 W	14 01.167 S	52 09.133 W	428.5 AT	859	352	Agua Boa-Olhos 04T15
SWHS	18 03 12 S	50 23 13 W	18 03.200 S	50 23.217 W	526.7 AT	375	347	Maurilandia-S J09V08
SWJC	15 58 18 S	54 58 07 W	15 58.300 S	54 58.117 W	364.5 AT	877	327	Jaciara-Jaciara06v10
SWJK	14 58 35 S	51 20 08 W	14 58.583 S	51 20.133 W	299.6 AT	725	355	Britania-S Paul16g12
SWJL	19 02 28 S	51 15 34 W	19 02.467 S	51 15.567 W	409.7 AT	357	325	Itaja-Invernada14t08
SWJQ	20 13 37 S	51 50 45 W	20 13.617 S	51 50.750 W	423.7 AT	359	301	Selviria-Colibr07t09
SWJS	15 29 10 S	51 16 10 W	15 29.167 S	51 16.167 W	210.9 AT	671	353	Jussara-Samamba13v10
SWJW	17 49 48 S	51 46 31 W	17 49.800 S	51 46.517 W	770.5 AT	486	334	Jatai-Jatar-Go 13a15

<i>NumberName</i>	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>ElevationCodes</i> METERS	<i>*Distance</i> Km	<i>Bearing</i>	<i>Comment</i>
SWJZ	15 58 53 S	54 32 02 W	15 58.883 S	54 32.033 W	503.5 AT	841	329	Juscimeira-Morr02g08
SWKH	15 13 16 S	55 07 58 W	15 13.267 S	55 07.967 W	624.5 AT	945	331	C Verde-Florest18t09
SWKJ	15 23 53 S	54 36 30 W	15 23.883 S	54 36.500 W	554.4 AT	891	332	Dom Aquino-Mutu06t11
SWKR	18 40 12 S	51 35 07 W	18 40.200 S	51 35.117 W	533.7 AT	409	327	Itaruma-Mangue 08T08
SWKT	18 13 01 S	47 54 05 W	18 13.017 S	47 54.083 W	795.5 AT	304	31	Catalao-CatalãO17a14
SWLC	17 50 05 S	50 57 22 W	17 50.083 S	50 57.367 W	750.4 AT	429	342	Rio Verde-Gen. 03a15
SWLD	14 53 09 S	45 20 19 W	14 53.150 S	45 20.317 W	764.4 AT	746	47	Januaria-Porto 06V10
SWLV	15 51 09 S	56 05 17 W	15 51.150 S	56 05.283 W	164.9 AT	980	324	S Antonio Lever18a12
SWMB	17 58 38 S	49 35 18 W	17 58.633 S	49 35.300 W	659.6 AT	345	360	Goiatuba-Marimb17v08
SWMH	15 32 32 S	51 01 04 W	15 32.533 S	51 01.067 W	272.8 AT	654	355	Itapirapua-Bom 16V08
SWMR	14 15 02 S	48 05 02 W	14 15.033 S	48 05.033 W	629.4 AT	741	23	Morro Redondo-M15t09
SWMX	17 45 57 S	49 07 22 W	17 45.950 S	49 07.367 W	849.5 AT	355	9	Morrinhos-Morri05v10
SWMZ	16 26 34 S	54 42 07 W	16 26.567 S	54 42.117 W	304.8 AT	822	326	Rondonopolis-Es14v08
SWNH	14 55 59 S	51 02 54 W	14 55.983 S	51 02.900 W	249.6 AT	717	357	Aruana-Aruana-G06a13
SWNJ	15 07 42 S	53 29 30 W	15 07.700 S	53 29.500 W	532.5 AT	833	340	N S Joaquim-Ita18v08
SWNQ	14 26 11 S	48 29 31 W	14 26.183 S	48 29.517 W	839.4 AT	719	20	Niquelandia-Niq02t14
SWNS	16 21 45 S	48 55 41 W	16 21.750 S	48 55.683 W	1111.3 AT	507	14	Anapolis-AnãPol07a18
SWNT	18 57 54 S	50 47 55 W	18 57.900 S	50 47.917 W	454.8 AT	325	331	Cacu-Santo Ant003g09
SWNV	16 37 41 S	49 20 44 W	16 37.683 S	49 20.733 W	824.5 AT	484	9	Goiania-AeróDro13a11
SWNW	13 47 58 S	55 27 18 W	13 47.967 S	55 27.300 W	464.5 AT	1082	336	Nobres-Tuiuiu-M16 11
SWNX	14 52 05 S	53 30 04 W	14 52.083 S	53 30.067 W	502.6 AT	856	341	S Antonio Leste03v10
SWPH	15 13 34 S	52 07 48 W	15 13.567 S	52 07.800 W	297.8 AT	740	348	Barra Garcas-Pa10t09
SWPJ	16 02 03 S	53 02 04 W	16 02.050 S	53 02.067 W	483.7 AT	724	338	Pontal Araguaia08t12
SWPK	16 16 22 S	56 39 03 W	16 16.367 S	56 39.050 W	179.8 AT	1003	319	Pocone-Poconé-M18v13
SWPP	14 45 11 S	50 39 54 W	14 45.183 S	50 39.900 W	304.8 AT	722	1	Mozarlandia-Pic05 11
SWPR	17 19 09 S	48 20 05 W	17 19.150 S	48 20.083 W	739.4 AT	398	22	Pires Rio-Pires10a14
SWPV	15 40 44 S	47 32 39 W	15 40.733 S	47 32.650 W	1159.2 AT	589	30	Planaltina-Plan11v11
SWPW	16 58 02 S	56 25 02 W	16 58.033 S	56 25.033 W	114.9 AT	943	316	BR Melgaco-Pous01g08
SWPZ	14 07 26 S	46 20 31 W	14 07.433 S	46 20.517 W	826.3 AT	787	37	Posse-OricAnga 10a15
SWQL	16 40 57 S	52 15 09 W	16 40.950 S	52 15.150 W	630.6 AT	615	339	Doverlandia-Trê02a12
SWQM	15 05 22 S	56 22 24 W	15 05.367 S	56 22.400 W	209.7 AT	1056	326	Acorizal-Boa Vi07v10
SWQQ	18 37 41 S	54 06 14 W	18 37.683 S	54 06.233 W	423.7 AT	641	312	Camapua-FundãO 01G09
SWQZ	20 52 42 S	53 33 12 W	20 52.700 S	53 33.200 W	459.6 AT	528	291	Ribas Rio Pardo13t09
SWRD	16 35 07 S	54 43 27 W	16 35.117 S	54 43.450 W	446.5 AT	814	325	Rondonopolis-Ro02a18
SWRJ	15 05 00 S	56 33 10 W	15 05.000 S	56 33.167 W	230.7 AT	1071	326	Rosario Oeste-P18v11
SWRM	15 55 50 S	48 20 01 W	15 55.833 S	48 20.017 W	1119.2 AT	553	21	S Antonio Desco09t06
SWRR	14 40 04 S	54 34 03 W	14 40.067 S	54 34.050 W	469.7 AT	947	336	Planalto Serra-08v11
SWRS	16 56 00 S	54 54 25 W	16 56.000 S	54 54.417 W	310.6 AT	808	322	Rondonopolis-S 03V08
SWRT	17 20 52 S	53 11 35 W	17 20.867 S	53 11.583 W	714.5 AT	634	328	S Rita Araguaia17g12
SWRZ	14 21 05 S	56 42 49 W	14 21.083 S	56 42.817 W	397.8 AT	1137	328	Nortelandia-Arr18a13
SWSB	15 14 00 S	51 58 38 W	15 14.000 S	51 58.633 W	289.9 AT	731	349	Araguaiana-Sabi13v09

NumberName	Latitude ° ' "	Longitude ° ' "	Latitude ° ' "	Longitude ° ' "	Elevation Codes METERS	*Distance Km	Bearing	Comment
SWSD	15 37 26 S	51 48 50 W	15 37.433 S	51 48.833 W	328.6 AT	684	348	Araguaiana-Sant01v11
SWSP	13 43 31 S	54 44 18 W	13 43.517 S	54 44.300 W	514.5 AT	1038	339	Paranatinga-Sop01t11
SWSR	13 45 01 S	55 38 02 W	13 45.017 S	55 38.033 W	539.5 AT	1099	335	Sertania-SertãN14t10
SWSV	14 23 19 S	51 22 50 W	14 23.317 S	51 22.833 W	254.8 AT	787	356	Cocalinho-S Sil15g10
SWTD	13 52 52 S	52 24 00 W	13 52.867 S	52 24.000 W	324.6 AT	885	351	Agua Boa-Sete D10V15
SWTQ	17 45 26 S	48 45 18 W	17 45.433 S	48 45.300 W	684.6 AT	351	15	Rio Quente-Term06a11
SWTX	16 08 43 S	52 58 17 W	16 08.717 S	52 58.283 W	365.8 AT	710	337	Torixoreu-Olho 03V11
SWVD	17 58 09 S	52 34 40 W	17 58.150 S	52 34.667 W	789.4 AT	540	326	Serranopolis-Ri09v12
SWVL	15 53 48 S	55 18 56 W	15 53.800 S	55 18.933 W	744.3 AT	911	326	S Antonio Lever13v11
SWVZ	14 45 00 S	56 21 10 W	14 45.000 S	56 21.167 W	719.3 AT	1078	328	Nombres-Emal - E13v08
SWWG	18 32 53 S	50 22 52 W	18 32.883 S	50 22.867 W	517.6 AT	329	342	Quirinopolis-Ca03t10
SWWJ	16 40 51 S	56 17 57 W	16 40.850 S	56 17.950 W	105.8 AT	948	318	BR Melgaco-Post08t08
SWWL	15 41 48 S	52 15 50 W	15 41.800 S	52 15.833 W	340.8 AT	703	345	Barra Garcas-Ag17a11
SWWT	18 42 20 S	45 20 08 W	18 42.333 S	45 20.133 W	589.5 AT	409	74	Morada N Minas-16t08
SWWV	16 42 23 S	56 01 45 W	16 42.383 S	56 01.750 W	115.8 AT	922	319	BR Melgaco-Post17t08
SWWW	16 41 18 S	56 10 35 W	16 41.300 S	56 10.583 W	111.9 AT	936	319	BR Melgaco-Post09t08
SWWX	16 44 46 S	56 22 12 W	16 44.767 S	56 22.200 W	102.7 AT	951	318	BR Melgaco-Post01t08
SWXJ	15 32 31 S	55 59 02 W	15 32.517 S	55 59.033 W	172.8 AT	992	326	Cuiaba-CháCara 14V06
SWXV	14 41 27 S	52 20 57 W	14 41.450 S	52 20.950 W	315.8 AT	803	349	N Xavantina-Xav03v14
SWZD	17 15 21 S	50 08 32 W	17 15.350 S	50 08.533 W	517.6 AT	442	356	Jandaia-Denusa 02T09
SWZH	17 34 30 S	50 10 30 W	17 34.500 S	50 10.500 W	584.6 AT	411	354	Acreuna-CaçApav08t07
SWZJ	14 32 50 S	50 39 13 W	14 32.833 S	50 39.217 W	314.9 AT	743	1	Crixas-S JoãO-G11t08
SWZM	18 59 20 S	50 33 59 W	18 59.333 S	50 33.983 W	522.7 AT	305	334	S Simao-Usina S10a17
SWZN	17 19 20 S	50 25 33 W	17 19.333 S	50 25.550 W	673.6 AT	448	352	Acreuna-FrancêS03t06
SWZP	16 23 09 S	54 12 08 W	16 23.150 S	54 12.133 W	319.7 AT	785	329	Guiratinga-Vale12v08
SWZQ	15 50 43 S	50 04 19 W	15 50.717 S	50 04.317 W	409.7 AT	587	3	Jussara-Jussara11t12
SWZR	15 23 02 S	51 02 02 W	15 23.033 S	51 02.033 W	293.8 AT	670	356	Itapirapua-S Ri16g08
Sabino	21 27 37 S	49 34 43 W	21 27.617 S	49 34.717 W	405 T	130	261	
Sacramento	19 53 37 S	47 25 20 W	19 53.617 S	47 25.333 W	1001 AT	157	64	MG
Saint-Exupery	22 28 58 S	49 59 02 W	22 28.967 S	49 59.033 W	575 AT	235	241	Ocaucu
Santo Antonio do Aracangua	20 51 02 S	50 46 05 W	20 51.033 S	50 46.083 W	375 AT	238	291	
SBAN	16 14 19 S	48 58 20 W	16 14.317 S	48 58.333 W	1136.3 AT	521	14	Anapolis-Base A06a33
SBAX	19 33 38 S	46 57 56 W	19 33.633 S	46 57.933 W	998.2 AT	217	67	Araxa-Araxá-MG 15a19
SBCY	15 39 00 S	56 07 03 W	15 39.000 S	56 07.050 W	184.7 AT	996	325	Cuiaba-Marechal17a23
SBFU	20 42 12 S	46 20 15 W	20 42.200 S	46 20.250 W	734.6 AT	223	105	S Jose Barra-Fu16a15
SBGO	16 37 47 S	49 13 36 W	16 37.783 S	49 13.600 W	746.5 AT	481	10	Goiania-S Genov14a25
SBIT	18 26 42 S	49 12 51 W	18 26.700 S	49 12.850 W	496.5 AT	284	4	Itumbiara-Hidro18a17
SBUL	18 53 01 S	48 13 31 W	18 53.017 S	48 13.517 W	942.4 AT	226	27	Uberlandia-Ten-04a19
SDEC	16 57 22 S	53 34 12 W	16 57.367 S	53 34.200 W	783.3 AT	692	328	Alto Garcas-Ran14v10
SDOV	14 44 41 S	50 34 14 W	14 44.683 S	50 34.233 W	327.7 AT	720	2	Mozarlandia-Moz17a15
SDRO	16 27 56 S	54 42 43 W	16 27.933 S	54 42.717 W	314.9 AT	821	326	Rondonopolis-Ag07t09

<i>NumberName</i>	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>ElevationCodes</i> METERS	<i>*Distance</i> Km	<i>Bearing</i>	<i>Comment</i>
SDUK	14 05 48 s	52 54 07 w	14 05.800 s	52 54.117 w	487.7 AT	890	347	Agua Boa-Xaimit18v10
SDYI	17 55 03 s	45 24 09 w	17 55.050 s	45 24.150 w	927.2 AT	462	65	Buritizeiro-Bur17t07
SIAO	19 37 47 s	55 15 07 w	19 37.783 s	55 15.117 w	454.8 AT	721	300	Corguinho-Arara09v10
SIAU	16 29 00 s	56 16 12 w	16 29.000 s	56 16.200 w	122.8 AT	957	319	BR Melgaco-Jato18g09
SIBA	20 05 57 s	55 55 37 w	20 05.950 s	55 55.617 w	121.9 AT	781	295	Aquidauana-Jato14g06
SICH	20 39 39 s	52 20 24 w	20 39.650 s	52 20.400 w	361.8 AT	403	293	Tres Lagoas-Ser01a08
SICW	17 27 50 s	47 49 54 w	17 27.833 s	47 49.900 w	942.4 AT	388	30	C Alegre Goias-04t06
SIDM	15 02 18 s	52 05 54 w	15 02.300 s	52 05.900 w	249.6 AT	756	349	Barra Garcas-Ci01v10
SIDR	19 50 08 s	56 42 13 w	19 50.133 s	56 42.217 w	100 AT	866	296	Miranda-Retiro 18G05
SIDW	15 14 42 s	54 29 25 w	15 14.700 s	54 29.417 w	599.5 AT	894	334	Primavera Leste18v12
SIEB	20 44 49 s	55 21 26 w	20 44.817 s	55 21.433 w	283.8 AT	716	290	Dois Irmaos Bur06g06
SIEF	20 34 24 s	54 43 01 w	20 34.400 s	54 43.017 w	524.6 AT	650	292	C Grande-S José09v06
SIEN	15 24 18 s	53 20 32 w	15 24.300 s	53 20.533 w	457.5 AT	799	339	Gal Carneiro-S 04G10
SIEV	20 46 01 s	56 42 22 w	20 46.017 s	56 42.367 w	319.7 AT	856	290	Bodoquena-Boca 15G09
SIEX	19 00 32 s	50 25 53 w	19 00.533 s	50 25.883 w	441.7 AT	293	335	S Vitoria-S Joa03a11
SIFA	19 47 08 s	56 28 26 w	19 47.133 s	56 28.433 w	100 AT	843	297	Miranda-Sete-Ms13g08
SIFC	20 22 56 s	56 16 08 w	20 22.933 s	56 16.133 w	219.8 AT	813	293	Miranda-Cachoei03v08
SIFH	17 19 31 s	53 11 49 w	17 19.517 s	53 11.817 w	750.4 AT	636	328	S Rita Araguaia12v12
SIFR	18 52 14 s	47 33 34 w	18 52.233 s	47 33.567 w	1004.3 AT	245	43	Romaria-Romaria08a10
SIGF	15 00 00 s	55 49 30 w	15 00.000 s	55 49.500 w	310.6 AT	1017	329	Chapada Guimara08a12
SIGN	15 34 17 s	53 14 01 w	15 34.283 s	53 14.017 w	482.5 AT	777	339	Gal Carneiro-As06v09
SIGS	17 09 44 s	46 39 36 w	17 09.733 s	46 39.600 w	592.5 AT	457	45	Paracatu-Granja08g11
SIGU	19 48 55 s	53 49 33 w	19 48.917 s	53 49.550 w	669.3 AT	571	301	Ribas Rio Pardo06a12
SIHV	17 12 40 s	46 36 52 w	17 12.667 s	46 36.867 w	609.6 AT	454	46	Paracatu-Boa So01g10
SIIE	20 53 31 s	53 24 15 w	20 53.517 s	53 24.250 w	527.6 AT	512	291	Ribas Rio Pardo11t07
SIIK	20 43 54 s	53 41 07 w	20 43.900 s	53 41.117 w	551.7 AT	542	291	Ribas Rio Pardo16g06
SIIM	18 48 09 s	54 50 52 w	18 48.150 s	54 50.867 w	428.5 AT	706	308	Rio Verde Mato 13T11
SIHQ	17 23 51 s	53 43 07 w	17 23.850 s	53 43.117 w	669.3 AT	675	324	Sonora-Aracoxim12t08
SIHU	19 38 37 s	48 42 03 w	19 38.617 s	48 42.050 w	675.4 AT	142	10	C Florido-S Mar15v08
SIIX	13 44 13 s	52 35 22 w	13 44.217 s	52 35.367 w	367.6 AT	908	351	Agua Boa-CóRreg14v09
SIJK	17 57 18 s	46 51 42 w	17 57.300 s	46 51.700 w	747.4 AT	369	47	Vazante-Vazante10a09
SIJM	17 08 40 s	56 35 52 w	17 08.667 s	56 35.867 w	100 AT	950	315	BR Melgaco-S Ma16v10
SIKK	20 15 02 s	45 38 42 w	20 15.033 s	45 38.700 w	663.5 AT	303	97	Arcos-CalciolãN14t08
SIKY	18 43 10 s	53 20 15 w	18 43.167 s	53 20.250 w	639.5 AT	564	315	Costa Rica-Beir10t12
SILB	15 00 12 s	55 30 04 w	15 00.200 s	55 30.067 w	379.8 AT	991	330	Chapada Guimara18v08
SILM	14 28 14 s	46 52 21 w	14 28.233 s	46 52.350 w	486.5 AT	735	33	Flores Goias-Re03v10
Silvania Colegio	16 39 32 s	48 36 29 w	16 39.533 s	48 36.483 w	914 AT	472	18	
SIMF	15 58 23 s	46 42 34 w	15 58.383 s	46 42.567 w	1001.3 AT	579	39	Unai-S Miguel-M14v11
SIMJ	18 39 34 s	49 32 51 w	18 39.567 s	49 32.850 w	610.5 AT	273	355	Capinopolis-Cap11t08
SIMO	16 46 15 s	56 10 21 w	16 46.250 s	56 10.350 w	110.9 AT	931	318	BR Melgaco-Post03g08
SIMQ	18 12 32 s	55 45 11 w	18 12.533 s	55 45.183 w	182.9 AT	819	310	Corumba-Dois De18g09

Number	Name	Latitude ° ' "	Longitude ° ' "	Latitude ° ' "	Longitude ° ' "	Elevation Codes METERS	*Distance Km	Bearing	Comment
SIMR		17 45 09 S	51 09 04 W	17 45.150 S	51 09.067 W	719.3 AT	449	341	Rio Verde-Reuni12a13
SIMW		20 21 16 S	53 58 04 W	20 21.267 S	53 58.067 W	475.5 AT	575	295	Jaraguari-Retir17t12
SIMX		15 14 27 S	56 34 41 W	15 14.450 S	56 34.683 W	219.8 AT	1063	325	Jangada-Jangada03g07
SIMZ		17 52 32 S	54 56 28 W	17 52.533 S	54 56.467 W	177.7 AT	757	315	Sonora-Primeiro02g11
SINJ		18 22 05 S	54 46 37 W	18 22.083 S	54 46.617 W	366.7 AT	718	312	Coxim-Novo Hori16g10
SINR		18 00 41 S	54 00 58 W	18 00.683 S	54 00.967 W	374.6 AT	664	318	Alcinopolis-Rec12g10
SINT		15 11 41 S	49 22 46 W	15 11.683 S	49 22.767 W	685.5 AT	642	11	S Isabel-S AdéL09t08
SIOK		14 38 32 S	56 14 20 W	14 38.533 S	56 14.333 W	399.6 AT	1077	329	Nobres-ÁGua Doc13v10
SIOL		18 19 21 S	48 50 39 W	18 19.350 S	48 50.650 W	519.7 AT	289	12	Corumbaiaba-Pon08v08
SIPG		14 08 17 S	51 27 59 W	14 08.283 S	51 27.983 W	241.7 AT	816	357	Cocalinho-ÁGua 09a14
SIPK		16 29 49 S	56 25 18 W	16 29.817 S	56 25.300 W	105.8 AT	970	319	Pocone-Sesc Pan01a12
S IPL		14 37 20 S	54 28 36 W	14 37.333 S	54 28.600 W	555.7 AT	944	337	Planalto Serra-12v12
SIPQ		16 59 54 S	48 44 17 W	16 59.900 S	48 44.283 W	914.4 AT	435	16	S Miguel Passa 09V09
SIPR		17 00 04 S	50 44 34 W	17 00.067 S	50 44.567 W	746.5 AT	495	351	Parauna-S José-14t07
SIPU		19 26 54 S	47 21 46 W	19 26.900 S	47 21.767 W	1086.3 AT	199	56	Perdizes-Lagoa 07T09
SIQC		19 09 26 S	52 59 45 W	19 09.433 S	52 59.750 W	484.6 AT	511	311	Costa Rica-Para06g10
SIQD		20 38 27 S	54 47 26 W	20 38.450 S	54 47.433 W	599.5 AT	657	291	Terenos-EstâNci04g08
SIQE		15 56 30 S	47 43 13 W	15 56.500 S	47 43.217 W	1035.4 AT	557	28	Brasilia-Botelh14v17
SIQJ		14 57 28 S	55 48 04 W	14 57.467 S	55 48.067 W	300.8 AT	1018	329	Chapada Guimara11a12
SIQM		17 54 01 S	50 07 25 W	17 54.017 S	50 07.417 W	515.7 AT	376	352	Porteirao-Bom J01V08
SIQO		18 20 03 S	55 29 06 W	18 20.050 S	55 29.100 W	151.8 AT	788	310	Corumba-Mercede10g10
SIQQ		18 08 01 S	49 47 46 W	18 08.017 S	49 47.767 W	2078.7 AT	337	355	Bom Jesus-Aero 18V10
SIQU		20 05 11 S	51 18 32 W	20 05.183 S	51 18.533 W	389.5 AT	309	306	Apar Taboado-A101v10
SIQZ		15 38 57 S	46 26 35 W	15 38.950 S	46 26.583 W	569.7 AT	622	40	Buritis-Carolin03t09
SIRH		18 16 02 S	54 18 49 W	18 16.033 S	54 18.817 W	441.7 AT	678	314	Coxim-Morada Da04g10
SIRN		14 45 30 S	51 59 23 W	14 45.500 S	51 59.383 W	259.7 AT	778	351	N Xavantina-Jaó18a14
SIRU		16 55 17 S	54 04 27 W	16 55.283 S	54 04.450 W	1898.6 AT	737	326	Pedra Preta-Bah16v10
SISD		18 08 53 S	51 16 18 W	18 08.883 S	51 16.300 W	603.5 AT	424	336	Apar Rio Doce-S16v12
SISF		20 56 28 S	56 40 24 W	20 56.467 S	56 40.400 W	669.3 AT	852	288	Bonito-S Felici06g10
SISI		17 38 03 S	50 28 14 W	17 38.050 S	50 28.233 W	523.6 AT	419	350	Acreuna-Sete I101t08
SISJ		17 27 15 S	55 33 33 W	17 27.250 S	55 33.550 W	129.8 AT	837	316	Corumba-S José 06G07
SISL		16 53 39 S	55 54 26 W	16 53.650 S	55 54.433 W	154.8 AT	900	318	BR Melgaco-S Lú06G08
SISN		17 32 42 S	53 53 38 W	17 32.700 S	53 53.633 W	609.6 AT	680	322	Sonora-Nossa Se10g10
SISS		20 23 05 S	53 24 04 W	20 23.083 S	53 24.067 W	469.7 AT	516	295	Ribas Rio Pardo16g08
SISU		20 52 12 S	53 09 18 W	20 52.200 S	53 09.300 W	384.7 AT	486	290	S Rita Pardo-Po15t08
SISX		19 22 38 S	56 03 22 W	19 22.633 S	56 03.367 W	109.7 AT	809	301	Aquidauana-S TH07G04
SITH		17 40 25 S	50 23 17 W	17 40.417 S	50 23.283 W	500.5 AT	411	350	Turvelandia-Ita18t08
Sitio Limoeiro		23 08 44 S	48 18 35 W	23 08.733 S	48 18.583 W	940 AT	250	196	Pardinho
Sitio S Jose		21 47 55 S	48 32 40 W	21 47.917 S	48 32.667 W	548 AT	100	204	Nova Europa
Sitio Sta Helena		21 28 24 S	50 36 56 W	21 28.400 S	50 36.933 W	431 AT	231	274	Gabriel Monteiro
SITR		20 10 24 S	55 04 10 W	20 10.400 S	55 04.167 W	459.6 AT	692	295	Terenos-CóRrego03g11

<i>NumberName</i>	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>Elevation</i> <i>Codes</i> <i>METERS</i>	<i>*Distance</i> <i>Km</i>	<i>Bearing</i>	<i>Comment</i>
SITU	17 56 24 s	50 20 32 w	17 56.400 s	50 20.533 w	464.5 AT	383	349	Turvelandia-S G15T08
SITX	19 46 28 s	55 31 18 w	19 46.467 s	55 31.300 w	157.9 AT	745	298	Aquidauana-Chap15g07
SITY	19 24 14 s	55 51 46 w	19 24.233 s	55 51.767 w	147.8 AT	789	301	Aquidauana-S Ge09g07
SIUA	20 52 22 s	53 12 39 w	20 52.367 s	53 12.650 w	329.8 AT	492	290	S Rita Pardo-Ba18g09
SIUQ	20 58 39 s	54 20 03 w	20 58.650 s	54 20.050 w	505.7 AT	609	288	C Grande-Primav07a12
SIUR	19 36 27 s	53 29 59 w	19 36.450 s	53 29.983 w	471.5 AT	544	304	Camapua-Ribeirã13t08
SIUV	20 19 04 s	51 47 01 w	20 19.067 s	51 47.017 w	415.7 AT	351	300	Selviria-S Math10t10
SIUW	20 50 42 s	52 17 54 w	20 50.700 s	52 17.900 w	332.8 AT	397	290	Tres Lagoas-Can01a13
SIVC	13 45 32 s	49 28 38 w	13 45.533 s	49 28.633 w	374.6 AT	801	12	Mutunopolis-Ipo09v08
SIVD	16 56 50 s	46 16 43 w	16 56.833 s	46 16.717 w	524.6 AT	496	48	Unai-Dos TRêS R08a05
SIVP	14 26 47 s	50 32 10 w	14 26.783 s	50 32.167 w	273.7 AT	750	3	N Crixas-Bandeir02a09
SIVV	16 55 39 s	56 13 59 w	16 55.650 s	56 13.983 w	148.7 AT	928	317	BR Melgaco-Bore03g11
SIWG	14 33 23 s	55 49 12 w	14 33.383 s	55 49.200 w	223.7 AT	1050	331	Rosario Oeste-S06v14
SIWJ	15 31 55 s	55 08 16 w	15 31.917 s	55 08.267 w	771.4 AT	923	329	C Verde-Luiz Ed15v13
SIWK	14 03 05 s	55 23 01 w	14 03.083 s	55 23.017 w	479.8 AT	1057	335	S Rita Trivelat18v09
SIWM	17 59 29 s	49 32 07 w	17 59.483 s	49 32.117 w	599.5 AT	342	1	Goiatuba-Bandeir15v12
SIWN	17 50 34 s	49 34 55 w	17 50.567 s	49 34.917 w	449.6 AT	359	1	Joviania-Vargem03v14
SIWQ	20 57 58 s	53 04 42 w	20 57.967 s	53 04.700 w	375.8 AT	478	288	S Rita Pardo-Ma05t08
SIWR	13 47 59 s	50 29 21 w	13 47.983 s	50 29.350 w	299.6 AT	818	4	N Crixas-Amazon07v08
SIWY	17 30 35 s	55 46 08 w	17 30.583 s	55 46.133 w	146.9 AT	854	315	Corumba-Campo A17g07
SIWZ	19 29 08 s	56 29 12 w	19 29.133 s	56 29.200 w	94.8 AT	851	299	Aquidauana-Faze07g10
SIXF	17 23 00 s	47 32 08 w	17 23.000 s	47 32.133 w	827.5 AT	403	34	C Alegre Goias-06t08
SIXG	18 01 40 s	47 27 35 w	18 01.667 s	47 27.583 w	856.5 AT	337	38	Catalao-Pouso A06t08
SIXV	18 08 22 s	53 21 53 w	18 08.367 s	53 21.883 w	849.5 AT	597	320	Alcinopolis-Ran18t13
SIYE	19 05 47 s	55 34 11 w	19 05.783 s	55 34.183 w	125 AT	768	304	Aquidauana-Camp05g06
SIYH	18 58 55 s	55 17 30 w	18 58.917 s	55 17.500 w	154.8 AT	744	305	Rio Verde Mato 17G06
SIYK	17 27 24 s	48 12 55 w	17 27.400 s	48 12.917 w	793.4 AT	384	24	Urutai-Sorriso 15a07
SIYO	17 15 20 s	51 18 23 w	17 15.333 s	51 18.383 w	867.5 AT	503	343	Montividiu-Goiã14t08
SIZH	19 59 35 s	51 30 51 w	19 59.583 s	51 30.850 w	451.7 AT	332	307	Apar Taboado-Vi01t10
SIZI	18 45 10 s	51 28 23 w	18 45.167 s	51 28.383 w	564.5 AT	394	327	Itaruma-Vitória09a12
SIZK	14 52 30 s	52 06 56 w	14 52.500 s	52 06.933 w	302.7 AT	773	349	Barra Garcas-Ve18v10
SIZO	14 11 25 s	51 38 38 w	14 11.417 s	51 38.633 w	261.8 AT	818	355	Cocalinho-Calçã02a15
SJAK	18 21 51 s	48 52 19 w	18 21.850 s	48 52.317 w	494.7 AT	285	11	Tupaciguara-F5-07a12
SJAQ	16 07 13 s	46 21 36 w	16 07.217 s	46 21.600 w	913.5 AT	576	43	Unai-RenascençA06t12
SJCY	15 40 46 s	55 57 20 w	15 40.767 s	55 57.333 w	187.8 AT	980	325	Cuiaba-EstãNcia12v16
SJDA	19 11 32 s	48 07 02 w	19 11.533 s	48 07.033 w	962.3 AT	194	31	Uberaba-Cruzeir12v10
SJDY	18 39 47 s	54 04 07 w	18 39.783 s	54 04.117 w	466.6 AT	636	312	Camapua-Da Barr11g07
SJEF	19 44 49 s	56 02 32 w	19 44.817 s	56 02.533 w	103.9 AT	799	298	Aquidauana-Cost14g05
SJER	17 19 08 s	50 19 13 w	17 19.133 s	50 19.217 w	560.5 AT	443	354	Acreuna-Canadá-14a10
SJES	18 07 04 s	56 38 28 w	18 07.067 s	56 38.467 w	123.7 AT	910	308	Corumba-ÁGua Pê08G06
SJEU	17 52 09 s	56 11 38 w	17 52.150 s	56 11.633 w	122.8 AT	877	311	Corumba-S Crist10g06

<i>NumberName</i>	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>ElevationCodes</i> METERS	<i>*Distance</i> Km	<i>Bearing</i>	<i>Comment</i>
SJFI	15 38 05 S	55 59 26 W	15 38.083 S	55 59.433 W	195.7 AT	986	325	Cuiaba-Cifi-Mt 01V08
SJFO	18 02 12 S	50 11 58 W	18 02.200 S	50 11.967 W	471.5 AT	366	350	Porteirao-Calif18t08
SJGY	13 42 28 S	46 44 09 W	13 42.467 S	46 44.150 W	598.6 AT	821	33	S Domingos-Barr11v08
SJID	19 55 02 S	52 37 53 W	19 55.033 S	52 37.883 W	471.5 AT	447	303	Tres Lagoas-Goi10t12
SJIJ	17 46 55 S	53 27 40 W	17 46.917 S	53 27.667 W	842.5 AT	628	323	Alto Taquari-Am12t12
SJIL	19 05 55 S	55 50 52 W	19 05.917 S	55 50.867 W	129.8 AT	796	303	Corumba-S BáRba03g04
SJIQ	19 31 24 S	50 39 20 W	19 31.400 S	50 39.333 W	421.5 AT	274	323	Limeira Oeste-U05t09
SJIS	20 20 48 S	53 27 25 W	20 20.800 S	53 27.417 W	486.5 AT	522	296	Ribas Rio Pardo08t11
SJIT	20 44 50 S	46 45 14 W	20 44.833 S	46 45.233 W	767.5 AT	180	105	Itau Minas-Itaú18a11
SJMA	17 56 08 S	54 55 34 W	17 56.133 S	54 55.567 W	159.7 AT	753	315	Sonora-Mundo Ac14g10
SJNI	13 55 11 S	56 05 04 W	13 55.183 S	56 05.067 W	479.8 AT	1120	333	N Mutum-Mutum-M18t12
SJOK	19 18 56 S	52 58 36 W	19 18.933 S	52 58.600 W	621.5 AT	502	310	Agua Clara-Mode03g08
SJOU	14 27 12 S	54 02 01 W	14 27.200 S	54 02.017 W	495.6 AT	928	340	Paranatinga-Mar18v09
SJPI	15 24 46 S	48 38 03 W	15 24.767 S	48 38.050 W	764.4 AT	610	18	Cocalzinho Goia02t08
SJUH	19 14 19 S	47 29 52 W	19 14.317 S	47 29.867 W	1019.3 AT	211	49	Pedrinopolis-La12t10
SJUQ	19 44 21 S	52 36 22 W	19 44.350 S	52 36.367 W	410.6 AT	450	306	Tres Lagoas-Vis02g08
SJUS	15 04 28 S	51 09 32 W	15 04.467 S	51 09.533 W	244.8 AT	707	356	Britania-Acara-03g12
SJUU	14 01 41 S	46 52 16 W	14 01.683 S	46 52.267 W	441.7 AT	783	33	N Roma-Paraná-G02g09
SJVO	15 53 58 S	52 14 27 W	15 53.967 S	52 14.450 W	322.8 AT	683	344	Aragarcas-Araga10a10
SJYZ	15 16 13 S	54 15 27 W	15 16.217 S	54 15.450 W	599.5 AT	875	335	Primavera Leste17v10
SJZE	20 14 26 S	52 23 12 W	20 14.433 S	52 23.200 W	386.8 AT	414	299	Tres Lagoas-Bri11t10
SNAF	19 56 49 S	48 02 01 W	19 56.817 S	48 02.017 W	673.6 AT	115	43	Agua Comprida-Á10g06
SNAG	18 40 05 S	48 11 25 W	18 40.083 S	48 11.417 W	946.4 AT	250	27	Araguari-Aragua05a15
SNAW	19 52 37 S	47 40 47 W	19 52.617 S	47 40.783 W	749.5 AT	141	56	Conquista-Boa F06T07
SNBE	14 28 13 S	53 40 04 W	14 28.217 S	53 40.067 W	304.8 AT	902	341	Paranatinga-Bot08v08
SNBY	20 02 09 S	45 58 16 W	20 02.150 S	45 58.267 W	768.4 AT	278	90	Bambui-Bambur-M09a12
SNCA	20 53 33 S	45 20 08 W	20 53.550 S	45 20.133 W	969.3 AT	326	109	C Belo-Campo Be10a14
SNCE	21 06 22 S	45 48 17 W	21 06.367 S	45 48.283 W	779.4 AT	278	115	C Meio-Campo Do10 10
SNDO	16 42 59 S	47 01 04 W	16 42.983 S	47 01.067 W	934.2 AT	490	38	Paracatu-Ouro B05G12
SNDU	20 38 18 S	45 59 53 W	20 38.300 S	45 59.883 W	869.3 AT	259	104	Capitolio-Ponta03a06
SNEA	18 43 17 S	47 51 56 W	18 43.283 S	47 51.933 W	964.4 AT	250	35	Estrela Sul-Piç02v12
SNEK	16 53 02 S	46 14 11 W	16 53.033 S	46 14.183 W	365.8 AT	505	48	Dom Bosco-Moria17s08
SNEO	16 26 28 S	49 11 59 W	16 26.467 S	49 11.983 W	822.4 AT	502	11	Neropolis-Dezoi07a06
SNEW	19 39 48 S	50 57 06 W	19 39.800 S	50 57.100 W	418.8 AT	293	317	Carneirinho-Con11a14
SNEZ	15 57 34 S	50 42 50 W	15 57.567 S	50 42.833 W	371.6 AT	598	356	N Brasil-Palmei06v08
SNFA	16 42 52 S	46 31 11 W	16 42.867 S	46 31.183 W	546.5 AT	509	44	Unai-Santo Ant07a11
SNFI	18 23 15 S	48 51 42 W	18 23.250 S	48 51.700 W	510.5 AT	282	12	Tupaciguara-S J02a15
SNFO	20 23 43 S	45 29 01 W	20 23.717 S	45 29.017 W	1016.2 AT	316	100	Formiga-Formiga02v10
SNGO	19 02 52 S	48 34 56 W	19 02.867 S	48 34.933 W	819.3 AT	206	17	Uberlandia-Nova17g12
SNHE	19 18 08 S	48 12 15 W	19 18.133 S	48 12.250 W	850.4 AT	180	29	Uberaba-Inhumas10t09
SNIV	18 38 47 S	49 52 57 W	18 38.783 S	49 52.950 W	433.7 AT	291	349	Ipiacu-Jumari-M13v08

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SNJE	14 47 37 s	46 00 11 w	14 47.617 s	46 00.183 w	922.3 AT	728	41	Jaborandi-Sertão7t12
SNLI	19 09 26 s	45 29 45 w	19 09.433 s	45 29.750 w	663.5 AT	366	78	Abaete-Abaeté-M17a12
SNLY	20 03 56 s	45 33 23 w	20 03.933 s	45 33.383 w	657.5 AT	318	93	Lagoa Prata-Lag05a10
SNOS	20 44 00 s	46 39 35 w	20 44.000 s	46 39.583 w	821.4 AT	189	105	Passos-Municipa14a15
SNQO	20 22 30 s	56 32 31 w	20 22.500 s	56 32.517 w	169.8 AT	842	292	Bodoquena-Campa07g06
SNRA	19 43 34 s	46 21 10 w	19 43.567 s	46 21.167 w	1259.1 AT	257	80	Pratinha-Santo 09T09
SNSA	17 36 31 s	46 42 14 w	17 36.517 s	46 42.233 w	747.4 AT	410	47	Vazante-Bom Suc11t09
SNSY	20 56 42 s	56 29 46 w	20 56.700 s	56 29.767 w	379.8 AT	833	288	Bonito-S José-M06g08
SNUF	19 31 28 s	47 51 09 w	19 31.467 s	47 51.150 w	994.3 AT	166	43	Uberaba-Treis C02G10
SNUH	20 26 19 s	45 59 34 w	20 26.317 s	45 59.567 w	744.3 AT	263	99	Piumhi-Piumhi-M07g11
SNUK	17 02 07 s	45 29 11 w	17 02.117 s	45 29.183 w	514.5 AT	532	57	Buritizeiro-Lag06v09
SNUN	16 21 14 s	46 55 37 w	16 21.233 s	46 55.617 w	608.4 AT	531	38	Unai-Unai-MG 17a11
SNUY	15 37 54 s	46 25 43 w	15 37.900 s	46 25.717 w	569.7 AT	624	40	Buritis-Buritis06t08
SNVO	19 58 41 s	50 58 06 w	19 58.683 s	50 58.100 w	377.6 AT	279	311	Carneirinho-Pon16t10
SNVU	20 25 51 s	46 51 36 w	20 25.850 s	46 51.600 w	729.4 AT	176	93	Cassia-Itatuba-09g07
SNYB	19 00 07 s	49 29 14 w	19 00.117 s	49 29.233 w	604.4 AT	236	353	Ituiutaba-Ituiu03a18
SNYI	16 37 25 s	47 17 59 w	16 37.417 s	47 17.983 w	948.2 AT	491	35	Unai-Hj-MG 16T08
SNYL	18 25 37 s	46 03 07 w	18 25.617 s	46 03.117 w	1005.2 AT	374	63	Varjao Minas-S 07S09
SNYN	19 33 06 s	48 50 15 w	19 33.100 s	48 50.250 w	700.4 AT	155	6	Prata-Rio Das P18T09
SNYO	16 17 57 s	46 09 34 w	16 17.950 s	46 09.567 w	867.5 AT	567	46	Riachinho-Logra14g08
SNYS	18 13 14 s	45 59 28 w	18 13.233 s	45 59.467 w	974.4 AT	395	61	Joao Pinheiro-D02t14
Sorocaba	23 28 59 s	47 29 11 w	23 28.983 s	47 29.183 w	633 AT	305	181	
SSAD	18 45 47 s	52 55 34 w	18 45.783 s	52 55.567 w	833.3 AT	523	316	Chapadao Sul-Ri11a18
SSAG	19 43 00 s	52 43 32 w	19 43.000 s	52 43.533 w	429.8 AT	463	306	Agua Clara-Agro10t09
SSAW	20 48 19 s	54 04 41 w	20 48.317 s	54 04.683 w	454.8 AT	582	290	Ribas Rio Pardo18v08
SSAY	20 29 28 s	54 28 23 w	20 29.467 s	54 28.383 w	592.5 AT	626	293	C Grande-SiTio 05a10
SSBA	19 01 55 s	53 40 16 w	19 01.917 s	53 40.267 w	614.5 AT	582	310	Camapua-Bela Vi11t09
SSBE	19 35 52 s	54 01 09 w	19 35.867 s	54 01.150 w	562.7 AT	596	303	Camapua-Camapuã15a12
SSCA	18 44 22 s	52 37 12 w	18 44.367 s	52 37.200 w	809.5 AT	496	318	Chapadao Sul-Ca08g12
SSCI	18 28 53 s	54 42 57 w	18 28.883 s	54 42.950 w	291.7 AT	707	311	Coxim-Coxim-Ms 02a13
SSDU	17 59 30 s	54 13 25 w	17 59.500 s	54 13.417 w	398.7 AT	684	317	Pedro Gomes-Mod04g09
SSDY	16 09 24 s	53 00 35 w	16 09.400 s	53 00.583 w	429.8 AT	712	337	Guiratinga-Duas09v09
SSED	17 57 24 s	54 25 09 w	17 57.400 s	54 25.150 w	344.7 AT	704	317	Pedro Gomes-Esc06v07
SSEI	20 20 19 s	56 41 54 w	20 20.317 s	56 41.900 w	148.7 AT	858	293	Miranda-Santo A17g10
SSEK	20 01 04 s	53 15 09 w	20 01.067 s	53 15.150 w	395.6 AT	507	300	Ribas Rio Pardo06t08
SSEL	20 10 11 s	52 55 59 w	20 10.183 s	52 55.983 w	487.7 AT	471	299	Agua Clara-Jati06g08
SSEO	20 44 04 s	53 34 36 w	20 44.067 s	53 34.600 w	395.6 AT	531	291	Ribas Rio Pardo16t10
SSEX	19 57 58 s	56 18 39 w	19 57.967 s	56 18.650 w	109.7 AT	823	296	Miranda-EstãNci04v12
SSFO	20 02 23 s	56 19 13 w	20 02.383 s	56 19.217 w	107.9 AT	823	295	Miranda-Novo Ho03g08
SSGE	20 30 25 s	51 50 21 w	20 30.417 s	51 50.350 w	359.7 AT	353	296	Tres Lagoas-Per06t10
SSGO	19 25 47 s	54 35 14 w	19 25.783 s	54 35.233 w	673.6 AT	659	303	S Gabriel Oeste15v11

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SSHA	20 28 51 s	55 46 10 w	20 28.850 s	55 46.167 w	188.7 AT	760	292	Aquidauana-Aero06v12
SSHU	19 27 29 s	56 02 43 w	19 27.483 s	56 02.717 w	129.8 AT	806	300	Aquidauana-Cent12g07
SSIB	19 28 48 s	52 48 45 w	19 28.800 s	52 48.750 w	479.8 AT	480	308	Agua Clara-Sue113t08
SSIE	20 35 58 s	54 36 09 w	20 35.967 s	54 36.150 w	527.6 AT	638	292	C Grande-Teruel06v15
SSIG	20 16 12 s	55 43 42 w	20 16.200 s	55 43.700 w	187.8 AT	758	294	Aquidauana-S Ma15g09
SSIH	20 56 47 s	52 43 20 w	20 56.783 s	52 43.333 w	394.7 AT	441	288	Brasilandia-For08t10
SSIW	19 58 39 s	56 26 10 w	19 58.650 s	56 26.167 w	104.9 AT	836	296	Miranda-Damaro-01v05
SSJE	20 21 08 s	51 33 21 w	20 21.133 s	51 33.350 w	403.6 AT	327	300	Selviria-S Joaq14t12
SSJU	19 22 53 s	52 18 35 w	19 22.883 s	52 18.583 w	365.8 AT	435	312	Inocencia-S Pau07g08
SSJY	17 42 27 s	56 13 02 w	17 42.450 s	56 13.033 w	46 AT	887	312	Corumba-S JoãO-03g06
SSKA	18 54 20 s	56 21 35 w	18 54.333 s	56 21.583 w	100 AT	854	304	Corumba-Campina01g06
SSKO	20 28 34 s	55 50 01 w	20 28.567 s	55 50.017 w	165.8 AT	767	292	Anastacio-Indep13g08
SSME	20 58 50 s	55 33 57 w	20 58.833 s	55 33.950 w	244.8 AT	737	288	Anastacio-Ipira02g10
SSNA	19 54 03 s	56 26 22 w	19 54.050 s	56 26.367 w	132.9 AT	838	296	Miranda-EstâNci06v11
SSOD	20 14 52 s	56 24 55 w	20 14.867 s	56 24.917 w	113.7 AT	830	294	Miranda-Pouso A14v09
SSOJ	19 58 45 s	51 44 06 w	19 58.750 s	51 44.100 w	449.6 AT	355	306	Inocencia-Estre09g09
SSOP	20 02 36 s	51 28 29 w	20 02.600 s	51 28.483 w	468.5 AT	327	306	Apar Taboado-Ca03t13
SSOQ	19 34 40 s	56 09 08 w	19 34.667 s	56 09.133 w	152.7 AT	814	299	Aquidauana-Barr09g09
SSOT	16 20 49 s	45 20 57 w	16 20.817 s	45 20.950 w	592.5 AT	604	53	S Romao-Saco Da01t17
SSOU	17 02 13 s	46 15 37 w	17 02.217 s	46 15.617 w	539.5 AT	489	49	Paracatu-Inhuma13t12
SSOV	16 08 48 s	45 49 30 w	16 08.800 s	45 49.500 w	559.6 AT	598	48	Urucuia-Hora-MG05v09
SSPE	14 26 08 s	55 36 34 w	14 26.133 s	55 36.567 w	254.8 AT	1043	332	Nobres-EssêNcia08v10
SSQO	20 04 58 s	53 53 19 w	20 04.967 s	53 53.317 w	483.7 AT	571	298	Ribas Rio Pardo09g06
SSQU	20 03 53 s	55 42 06 w	20 03.883 s	55 42.100 w	125 AT	759	296	Aquidauana-Aleg10t06
SSRI	20 45 32 s	56 01 57 w	20 45.533 s	56 01.950 w	167.9 AT	786	290	Anastacio-Dos S18G08
SSTU	18 43 48 s	54 06 18 w	18 43.800 s	54 06.300 w	380.7 AT	637	311	Camapua-Jauru-M13g10
SSUA	17 37 50 s	54 46 10 w	17 37.833 s	54 46.167 w	479.8 AT	754	318	Sonora-Sonora E16t09
SSUQ	20 45 18 s	55 02 36 w	20 45.300 s	55 02.600 w	278.6 AT	683	290	Sidrolandia-S O08g14
SSUS	16 35 03 s	54 51 34 w	16 35.050 s	54 51.567 w	599.5 AT	826	324	Rondonopolis-Ve16v11
SSVO	20 52 18 s	50 07 37 w	20 52.300 s	50 07.617 w	437.7 AT	172	291	Moncoes-Usina D15a10
SSVY	20 56 16 s	48 10 24 w	20 56.267 s	48 10.400 w	479.8 AT	31	118	Pitangueiras-Tr14g08
SSYB	18 41 00 s	53 17 00 w	18 41.000 s	53 17.000 w	536.4 AT	560	315	costa Rica-S El12g10
SSYC	19 02 58 s	52 57 50 w	19 02.967 s	52 57.833 w	596.5 AT	512	313	Chapadao Sul-Mi12t08
SSYF	18 52 18 s	48 43 14 w	18 52.300 s	48 43.233 w	841.2 AT	227	13	M Alegre Minas-04t12
SSYM	20 05 13 s	56 36 59 w	20 05.217 s	56 36.983 w	166.7 AT	853	295	Miranda-Tuiuiu-02v08
SSYN	20 04 53 s	56 40 04 w	20 04.883 s	56 40.067 w	129.8 AT	858	295	Miranda-Arrozei08v07
SSYO	15 15 45 s	55 36 53 w	15 15.750 s	55 36.883 w	351.7 AT	981	328	Chapada Guimara17t07
SSYR	20 20 52 s	52 19 24 w	20 20.867 s	52 19.400 w	369.7 AT	405	298	Tres Lagoas-S M09T10
SSYS	19 54 32 s	52 32 11 w	19 54.533 s	52 32.183 w	472.7 AT	438	304	Tres Lagoas-Imb18t08
SSYU	19 49 37 s	52 35 12 w	19 49.617 s	52 35.200 w	493.5 AT	445	305	Agua Clara-TrêS16t07
SSYV	19 43 35 s	52 51 05 w	19 43.583 s	52 51.083 w	502.6 AT	475	305	Agua Clara-Prog18t10

NumberName	Latitude	Longitude	Latitude	Longitude	Elevation	Codes*	Distance	Bearing	Comment
	° ' "	° ' "	° ' "	° ' "	METERS		Km		
SSYW	18 16 06 S	54 46 57 W	18 16.100 S	54 46.950 W	444.7	AT	723	313	Coxim-Terra For09v10
SSYY	18 57 04 S	53 08 58 W	18 57.067 S	53 08.967 W	585.5	AT	535	313	Costa Rica-Fund09t10
SSZU	19 29 42 S	53 02 26 W	19 29.700 S	53 02.433 W	334.7	AT	502	307	Agua Clara-Três09v10
SSZY	19 48 36 S	50 46 53 W	19 48.600 S	50 46.883 W	430.7	AT	269	316	Carneirinho-Car04v09
Sta Cecilia	20 53 16 S	50 59 18 W	20 53.267 S	50 59.300 W	384	AT	261	290	Mirandopolis
Sto Expedito	21 08 32 S	51 32 47 W	21 08.533 S	51 32.783 W	396	AT	320	285	Nova Independencia
Sud Mennucci	20 45 05 S	50 51 03 W	20 45.083 S	50 51.050 W	402	AT	248	293	
SWAA	14 32 38 S	50 35 34 W	14 32.633 S	50 35.567 W	272.8	AT	742	2	N Crixas-Ykaraf12v06
SWAF	16 29 02 S	54 40 02 W	16 29.033 S	54 40.033 W	251.8	AT	816	326	Rondonopolis-Ag07t05
SWAT	17 05 21 S	53 19 54 W	17 05.350 S	53 19.900 W	851.3	AT	664	329	Alto Araguaia-C09v11
SWAY	15 43 26 S	51 50 11 W	15 43.433 S	51 50.183 W	302.7	AT	676	348	Araguaiana-Arag01t10
Swba	18 07 32 S	49 02 34 W	18 07.533 S	49 02.567 W	867.5	AT	314	9	Buriti Alegre-B16v12
SWBO	14 16 29 S	49 38 57 W	14 16.483 S	49 38.950 W	469.7	AT	747	10	C Verdes-S JoãO11t09
SWBY	18 03 02 S	49 42 02 W	18 03.033 S	49 42.033 W	554.4	AT	342	358	Bom Jesus Goias08 10
SWCE	16 11 52 S	55 23 42 W	16 11.867 S	55 23.700 W	703.5	AT	897	324	S Antonio Lever04a15
SWCO	14 42 56 S	51 12 35 W	14 42.933 S	51 12.583 W	279.8	AT	746	357	Cocalinho-Conti16t10
SWDA	14 56 09 S	52 10 23 W	14 56.150 S	52 10.383 W	281.6	AT	770	349	Barra Garcas-Du03g10
SWDO	14 49 01 S	56 25 02 W	14 49.017 S	56 25.033 W	212.8	AT	1079	327	Rosario Oeste-R09v08
SWDY	14 45 17 S	50 22 39 W	14 45.283 S	50 22.650 W	357.8	AT	712	3	N Crixas-ÁGua F12T07
SWEC	15 54 09 S	52 05 55 W	15 54.150 S	52 05.917 W	309.7	AT	675	345	Aragarcas-EstãN03a11
SWEF	14 48 06 S	51 09 00 W	14 48.100 S	51 09.000 W	273.7	AT	735	357	Cocalinho-Europ10a08
SWEG	16 50 00 S	55 40 09 W	16 50.000 S	55 40.150 W	135.9	AT	882	320	BR Melgaco-Duas09g08
SWEL	15 03 30 S	51 55 00 W	15 03.500 S	51 55.000 W	259.7	AT	745	350	Araguaiana-S Eu03t10
SWEM	14 37 08 S	54 00 12 W	14 37.133 S	54 00.200 W	559.6	AT	911	339	Primavera Leste08v09
SWER	15 28 11 S	56 03 48 W	15 28.183 S	56 03.800 W	243.8	AT	1003	326	Cuiaba-EstãNcia07v09
SWEX	16 50 48 S	54 27 32 W	16 50.800 S	54 27.533 W	348.7	AT	774	324	Pedra Preta-S E09g09
SWEZ	15 15 01 S	56 28 52 W	15 15.017 S	56 28.867 W	202.7	AT	1054	325	Jangada-S Rita 03G16
SWFA	16 13 02 S	47 37 34 W	16 13.033 S	47 37.567 W	999.4	AT	528	30	Cristalina-Pamp03a13
SWFO	15 20 47 S	56 42 40 W	15 20.783 S	56 42.667 W	315.8	AT	1067	324	Jangada-Bocaina04v11
SWGE	17 00 26 S	56 28 41 W	17 00.433 S	56 28.683 W	104.9	AT	946	316	BR Melgaco-Piri12 09
SWGO	15 20 24 S	49 08 10 W	15 20.400 S	49 08.167 W	701.3	AT	622	13	Goianesia-Goian07t12
SWHA	14 38 41 S	49 48 59 W	14 38.683 S	49 48.983 W	472.7	AT	710	8	Guarinos-Boa Es05v06
SWIA	14 06 23 S	46 40 10 W	14 06.383 S	46 40.167 W	564.5	AT	779	34	Iaciara-Iaciara17 15
SWIE	13 55 10 S	50 00 36 W	13 55.167 S	50 00.600 W	299.6	AT	793	8	Mundo Novo-S FR14V11
SWIJ	17 31 05 S	54 49 35 W	17 31.083 S	54 49.583 W	512.7	AT	766	318	Itiquira-S Jorg18t10
SWIK	14 55 02 S	51 17 02 W	14 55.033 S	51 17.033 W	284.7	AT	729	355	Barra Garcas-It05v10
SWIL	17 00 57 S	54 20 59 W	17 00.950 S	54 20.983 W	456.6	AT	754	324	Pedra Preta-Tar03g08
SWIM	16 07 36 S	51 40 11 W	16 07.600 S	51 40.183 W	347.8	AT	629	347	M Claros Goias-15v11
SWIO	17 37 17 S	50 08 30 W	17 37.283 S	50 08.500 W	475.5	AT	404	354	Edeia-Triângulo03g13
SWIP	17 41 14 S	48 09 43 W	17 41.233 S	48 09.717 W	831.5	AT	359	25	Ipameri-Ipameri04v11
SWIW	13 49 02 S	56 02 10 W	13 49.033 S	56 02.167 W	425.5	AT	1124	333	N Mutum-Brigade05a15

<i>NumberName</i>	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>ElevationCodes</i> METERS	<i>*Distance</i> Km	<i>Bearing</i>	<i>Comment</i>
SWJE	16 23 49 S	52 19 43 W	16 23.817 S	52 19.717 W	802.5 AT	645	340	Baliza-Ibia-Go 08T11
SWJO	15 08 24 S	51 15 16 W	15 08.400 S	51 15.267 W	299.6 AT	705	355	Britania-S Paul14g09
SWJY	16 50 41 S	53 44 04 W	16 50.683 S	53 44.067 W	799.5 AT	714	328	Alto Garcas-Cam02t10
SWKA	15 35 43 S	51 15 26 W	15 35.717 S	51 15.433 W	289.9 AT	659	353	Jussara-Canadá-05t09
SWLI	17 00 29 S	56 27 58 W	17 00.483 S	56 27.967 W	109.7 AT	945	316	BR Melgaco-Libe15t07
SWME	17 33 07 S	52 33 22 W	17 33.117 S	52 33.367 W	824.5 AT	568	330	Mineiros-Mineir18t10
SWMI	20 52 06 S	52 51 56 W	20 52.100 S	52 51.933 W	404.8 AT	456	290	Brasilandia-Esp04g11
SWMO	17 27 10 S	54 44 32 W	17 27.167 S	54 44.533 W	522.7 AT	762	319	Itiquira-Maria 01T10
SWOA	16 32 22 S	49 23 56 W	16 32.367 S	49 23.933 W	799.5 AT	495	8	Goianira-Arnapa18t08
SWOK	17 18 20 S	53 56 08 W	17 18.333 S	53 56.133 W	659.6 AT	699	324	Itiquira-Pontal07g07
SWOL	15 05 46 S	52 24 00 W	15 05.767 S	52 24.000 W	411.8 AT	767	347	Barra Garcas-Ro09t09
SWOM	14 57 40 S	53 29 17 W	14 57.667 S	53 29.283 W	575.5 AT	847	340	N S Joaquim-Sal18v11
SWOO	15 04 17 S	51 23 34 W	15 04.283 S	51 23.567 W	319.7 AT	718	354	Britania-Três M03G09
SWOQ	16 44 36 S	47 59 30 W	16 44.600 S	47 59.500 W	959.2 AT	465	26	Luziania-Surucu12t11
SWOR	15 27 03 S	51 13 24 W	15 27.050 S	51 13.400 W	272.8 AT	672	354	Britania-Colora03t09
SWOS	15 10 19 S	48 57 11 W	15 10.317 S	48 57.183 W	697.4 AT	639	15	Goianesia-Tapaj06 11
SWOV	17 30 27 S	55 24 29 W	17 30.450 S	55 24.483 W	128.9 AT	820	316	Itiquira-Retiro07g10
SWOX	15 45 56 S	56 29 44 W	15 45.933 S	56 29.733 W	188.7 AT	1021	323	Nossa Senhora L16V08
SWOY	16 01 31 S	52 48 44 W	16 01.517 S	52 48.733 W	377.6 AT	709	339	Pontal Araguaia03v12
SWOZ	15 18 38 S	54 53 57 W	15 18.633 S	54 53.950 W	659.6 AT	920	331	C Verde-Santo A18v12
SWPY	15 33 56 S	54 20 16 W	15 33.933 S	54 20.267 W	654.4 AT	857	333	Primavera Leste01v11
SWRU	15 33 23 S	53 04 31 W	15 33.383 S	53 04.517 W	444.7 AT	768	340	Tesouro-Meruri-08g11
SWTE	13 55 01 S	56 39 32 W	13 55.017 S	56 39.533 W	344.7 AT	1164	330	Diamantino-Tres18 16
SWUZ	16 15 42 S	47 58 07 W	16 15.700 S	47 58.117 W	995.2 AT	519	26	Luziania-Brigad11a12
SWVY	17 34 05 S	56 29 17 W	17 34.083 S	56 29.283 W	109.7 AT	919	312	Corumba-Carvalh14g10
SWWI	15 40 24 S	53 34 42 W	15 40.400 S	53 34.700 W	607.5 AT	792	336	Gal Carneiro-Fo09v10
SWWU	14 31 32 S	49 08 16 W	14 31.533 S	49 08.267 W	519.7 AT	712	14	Uruacu-UruaçU-G18a14
SWWY	16 35 14 S	56 16 48 W	16 35.233 S	56 16.800 W	107.9 AT	951	319	BR Melgaco-Post10t08
SWXA	15 02 32 S	51 24 02 W	15 02.533 S	51 24.033 W	270.7 AT	721	354	Jussara-Canadaz10t09
SWYA	16 02 39 S	54 57 06 W	16 02.650 S	54 57.100 W	329.8 AT	871	327	Jaciara-Nossa S02V07
SWYK	17 03 49 S	56 35 05 W	17 03.817 S	56 35.083 W	108.8 AT	953	315	Pocone-Ilha Cam03a13
SWYP	13 57 10 S	55 46 42 W	13 57.167 S	55 46.700 W	454.8 AT	1094	334	N Mutum-Ribeiro18a10
SWYU	14 26 36 S	50 52 00 W	14 26.600 S	50 52.000 W	237.7 AT	761	0	Aruana-Entre Ri04t12
SWYW	16 50 04 S	53 50 07 W	16 50.067 S	53 50.117 W	682.4 AT	723	328	Alto Garcas-Adr05v10
SWYY	14 53 16 S	52 16 37 W	14 53.267 S	52 16.617 W	302.7 AT	780	348	N Xavantina-Nov17v11
SWZO	15 20 34 S	55 08 11 W	15 20.567 S	55 08.183 W	659.6 AT	937	330	C Verde-Lagoa F13V12
T Nogushi	21 43 55 S	48 13 18 W	21 43.917 S	48 13.300 W	686 AT	96	184	Araraquara
Tambau	21 41 50 S	47 18 56 W	21 41.833 S	47 18.933 W	746 AT	149	147	
Taquaral Grande	17 06 45 S	47 30 50 W	17 06.750 S	47 30.833 W	1000 AT	433	34	
Tatui	23 19 55 S	47 52 48 W	23 19.917 S	47 52.800 W	635 AT	277	187	
Telemaco Borba	24 18 59 S	50 39 08 W	24 18.983 S	50 39.133 W	817 AT	441	230	

<i>NumberName</i>	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>Elevation</i> <i>METERS</i>	<i>Codes</i>	<i>*Distance</i> <i>Km</i>	<i>Bearing</i>	<i>Comment</i>
Tiete	23 06 17 S	47 43 28 W	23 06.283 S	47 43.467 W	501	AT	257	183	
Tom Agricola	21 37 40 S	48 46 57 W	21 37.667 S	48 46.950 W	515	AT	87	221	Itapolis
Tupa	21 53 24 S	50 30 21 W	21 53.400 S	50 30.350 W	550	AT	237	262	
Tupi Pta	21 23 35 S	51 35 56 W	21 23.583 S	51 35.933 W	365	AT	329	280	Tupi Paulista
Ubatuba	23 26 29 S	45 04 34 W	23 26.483 S	45 04.567 W	4	AT	450	149	
Uberaba TMA	19 45 27 S	47 02 11 W	19 45.450 S	47 02.183 W		T	196	70	FL 055 - FI 145 CTR - Gnd - FI 055 120.8 D
Uberaba MG	19 45 55 S	47 57 53 W	19 45.917 S	47 57.883 W	809	AT	137	43	
Uberlandia	18 20 19 S	47 50 10 W	18 20.317 S	47 50.167 W		T	293	33	CTR - Gnd - FI 055 118.8 ?
Unai Fazenda Pis	16 21 05 S	47 55 40 W	16 21.083 S	47 55.667 W	895	AT	509	26	
Urubupunga	20 46 34 S	51 33 43 W	20 46.567 S	51 33.717 W	335	LT	321	292	Castilho
Us Bocaina	22 06 19 S	48 28 15 W	22 06.317 S	48 28.250 W	713	AT	134	200	Bocaina
Us Branco Peres	21 29 13 S	51 01 32 W	21 29.217 S	51 01.533 W	407	AT	273	276	Adamantina
Us Delta 1	19 56 28 S	47 46 17 W	19 56.467 S	47 46.283 W	651	AT	129	54	Delta/MG
Us Guariroba	20 06 20 S	49 46 13 W	20 06.333 S	49 46.217 W	452	AT	161	323	Cardoso
Us Ipiranga	21 48 02 S	49 01 21 W	21 48.033 S	49 01.350 W	463	AT	115	229	Iacanga
Us Mendonca	20 02 04 S	47 37 48 W	20 02.067 S	47 37.800 W	574	AT	130	62	Uberaba/MG
Us Pto Primavera	22 31 34 S	52 58 19 W	22 31.567 S	52 58.317 W	301	AT	499	268	Rosana
Us São Carlos	21 17 05 S	48 09 49 W	21 17.083 S	48 09.817 W	586	AT	53	163	Jaboticabal
Us São Luiz 1	21 54 03 S	47 16 37 W	21 54.050 S	47 16.617 W	613	AT	166	152	Santa Cruz Das Palmeiras
Us São Martinho	21 20 23 S	48 06 53 W	21 20.383 S	48 06.883 W	541	AT	61	163	Pradopolis
Us S Luiz 2	22 56 54 S	49 45 58 W	22 56.900 S	49 45.967 W	490	AT	264	230	Ourinhos
Us Sta Luiza	21 30 32 S	48 11 48 W	21 30.533 S	48 11.800 W	601	AT	74	177	Motuca
Us Sta Lydia	21 12 12 S	47 55 15 W	21 12.200 S	47 55.250 W	694	AT	67	140	Ribeirao Preto
Us Sta Rita Duv	21 43 32 S	47 39 28 W	21 43.533 S	47 39.467 W	617	AT	125	157	Santa Rita do Passa Quatro
Us Sto Antonio	21 07 16 S	47 56 53 W	21 07.267 S	47 56.883 W	606	AT	60	134	Sertaozinho
V Dinossauros	19 47 08 S	47 48 42 W	19 47.133 S	47 48.700 W	739	AT	142	49	Uberaba/MG
Vera Cruz	22 13 49 S	49 49 07 W	22 13.817 S	49 49.117 W	640	AT	203	243	
Vianopolis	16 45 00 S	48 31 00 W	16 45.000 S	48 31.000 W	265	AT	462	19	
Viracopos	23 00 25 S	47 08 04 W	23 00.417 S	47 08.067 W	661	AT	272	170	Campinas
Virgulino de Oliveira	22 24 52 S	46 48 32 W	22 24.867 S	46 48.533 W	656	AT	241	155	Itapira
Vista Alegre Pis	17 19 20 S	47 27 50 W	17 19.333 S	47 27.833 W	742	AT	412	35	
Votuporanga	20 27 30 S	50 00 11 W	20 27.500 S	50 00.183 W	501	AT	167	307	

Codes*

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