

Meridiano	Datum	Hemisf.
-39°00'00"	SAD-69	Sul

Nome	Descrição	Norte	Este	Cota
TRP010		8.901.774,122	707.804,465	28,875

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
C001	IRRADIAD	8.901.580,974	707.939,347	14,600	145°04'19"	2°34'32"	235,58	-14,27
C002	IRRADIAD	8.901.585,120	707.942,108	14,448	143°56'08"	1°26'20"	233,81	-14,43
C003	IRRADIAD	8.901.592,005	707.946,476	15,195	142°03'13"	359°33'25"	230,94	-13,68
C004	IRRADIAD	8.901.586,466	707.950,688	15,074	142°04'26"	359°34'38"	237,90	-13,80
E001	IRRADIAD	8.901.587,553	707.942,741	14,138	143°27'21"	0°57'33"	232,22	-14,74
E002	IRRADIAD	8.901.610,693	707.926,925	13,198	143°09'18"	0°39'30"	204,22	-15,68
C005	IRRADIAD	8.901.608,838	707.924,602	13,058	143°59'18"	1°29'30"	204,33	-15,82
C006	IRRADIAD	8.901.614,013	707.930,890	14,317	141°42'17"	359°12'29"	204,01	-14,56
C007	IRRADIAD	8.901.630,700	707.919,572	14,760	141°15'01"	358°45'13"	183,90	-14,11
D001	IRRADIAD	8.901.628,020	707.919,899	14,315	141°41'17"	359°11'29"	186,20	-14,56
C008	IRRADIAD	8.901.634,986	707.905,685	13,619	143°57'52"	1°28'04"	172,06	-15,26
C009	IRRADIAD	8.901.642,824	707.910,991	14,067	140°56'47"	358°26'59"	169,08	-14,81
C010	IRRADIAD	8.901.629,975	707.902,094	12,605	145°53'26"	3°23'38"	174,10	-16,27
E003	IRRADIAD	8.901.637,336	707.907,335	13,629	143°03'18"	0°33'30"	171,15	-15,25
D002	IRRADIAD	8.901.653,123	707.899,877	13,693	141°44'34"	359°14'46"	154,09	-15,18
C011	IRRADIAD	8.901.658,334	707.899,289	14,340	140°41'04"	358°11'16"	149,66	-14,53
E004	IRRADIAD	8.901.659,328	707.893,017	13,862	142°21'12"	359°51'24"	144,98	-15,01
E005	IRRADIAD	8.901.667,474	707.888,537	14,777	141°45'03"	359°15'15"	135,80	-14,10
C012	IRRADIAD	8.901.668,409	707.892,712	15,002	140°08'45"	357°38'57"	137,71	-13,87
E006	IRRADIAD	8.901.678,587	707.878,399	15,434	142°15'50"	359°46'02"	120,80	-13,44
D003	IRRADIAD	8.901.680,603	707.880,088	15,832	141°02'22"	358°32'34"	120,27	-13,04
C013	IRRADIAD	8.901.687,590	707.880,224	16,477	138°47'52"	356°18'04"	115,01	-12,40
C014	IRRADIAD	8.901.703,110	707.869,903	18,636	137°20'21"	354°50'33"	96,57	-10,24
E007	IRRADIAD	8.901.697,928	707.861,583	18,471	143°08'37"	0°38'49"	95,23	-10,40
D004	IRRADIAD	8.901.706,394	707.861,524	19,615	139°53'12"	357°23'24"	88,56	-9,26
E008	IRRADIAD	8.901.712,465	707.847,677	20,990	144°58'31"	2°28'43"	75,29	-7,88
F001	IRRADIAD	8.901.718,039	707.854,354	21,171	138°20'42"	355°50'54"	75,06	-7,70
F002	IRRADIAD	8.901.722,725	707.850,217	21,931	138°19'31"	355°49'43"	68,81	-6,94
F003	IRRADIAD	8.901.727,530	707.845,325	22,510	138°45'00"	356°15'12"	61,97	-6,37
E009	IRRADIAD	8.901.722,615	707.835,284	23,146	149°06'21"	6°36'33"	60,02	-5,73
E010	IRRADIAD	8.901.736,993	707.826,523	25,095	149°17'08"	6°47'20"	43,19	-3,78
D005	IRRADIAD	8.901.735,177	707.840,485	23,556	137°14'06"	354°44'18"	53,05	-5,32
F004	IRRADIAD	8.901.748,607	707.830,813	26,087	134°04'47"	351°34'59"	36,68	-2,79
E011	IRRADIAD	8.901.748,379	707.822,687	26,180	144°42'29"	2°12'41"	31,54	-2,70
E012	IRRADIAD	8.901.759,992	707.813,962	28,202	146°05'43"	3°35'55"	17,02	-0,67
D006	IRRADIAD	8.901.763,727	707.818,085	28,335	127°21'09"	344°51'21"	17,13	-0,54
E013	IRRADIAD	8.901.760,114	707.826,571	27,738	122°21'43"	339°51'55"	26,17	-1,14
F005	IRRADIAD	8.901.751,963	707.827,991	26,498	133°17'12"	350°47'24"	32,32	-2,38
F006	IRRADIAD	8.901.771,207	707.810,217	28,727	116°52'36"	334°22'48"	6,45	-0,15
F007	IRRADIAD	8.901.774,512	707.792,940	27,980	271°56'26"	129°26'38"	11,53	-0,89
D007	IRRADIAD	8.901.766,369	707.799,560	28,632	212°19'11"	69°49'23"	9,17	-0,24
E014	IRRADIAD	8.901.777,251	707.794,364	28,083	287°12'40"	144°42'52"	10,57	-0,79
E015	IRRADIAD	8.901.785,947	707.790,545	27,938	310°20'54"	167°51'06"	18,26	-0,94
E016	IRRADIAD	8.901.795,746	707.779,093	26,310	310°26'24"	167°56'36"	33,34	-2,56
D008	IRRADIAD	8.901.797,614	707.781,546	26,569	315°42'23"	173°12'35"	32,82	-2,31

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Nome	Descrição	Norte	Este	Cota
TRP010		8.901.774,122	707.804,465	28,875

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
F008	IRRADIAD	8.901.792,765	707.775,479	26,561	302°44'52"	160°15'04"	34,46	-2,31
F009	IRRADIAD	8.901.807,834	707.774,834	25,370	318°41'11"	176°11'23"	44,88	-3,51
F010	IRRADIAD	8.901.824,233	707.752,854	22,239	314°09'18"	171°39'30"	71,94	-6,64
E017	IRRADIAD	8.901.826,134	707.755,314	22,212	316°37'13"	174°07'25"	71,56	-6,66
E018	IRRADIAD	8.901.812,404	707.766,758	24,556	315°25'59"	172°56'11"	53,73	-4,32

Nome	Descrição	Norte	Este	Cota
TP180		8.901.810,327	707.848,516	28,313

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
E024	IRRADIAD	8.901.842,409	707.757,480	19,876	289°24'45"	58°49'45"	96,52	-8,44
E025	IRRADIAD	8.901.857,803	707.746,552	16,693	294°58'02"	64°23'02"	112,47	-11,62
E026	IRRADIAD	8.901.869,265	707.737,342	15,248	297°55'47"	67°20'47"	125,83	-13,06
F012	IRRADIAD	8.901.875,788	707.733,474	14,356	299°38'26"	69°03'26"	132,36	-13,96
F013	IRRADIAD	8.901.879,677	707.730,287	14,526	300°23'41"	69°48'41"	137,07	-13,79
F014	IRRADIAD	8.901.882,589	707.727,844	14,218	300°54'51"	70°19'51"	140,65	-14,09
F015	IRRADIAD	8.901.878,571	707.736,745	14,362	301°24'25"	70°49'25"	130,96	-13,95
D006	IRRADIAD	8.901.781,533	707.831,642	28,654	210°22'19"	339°47'18"	33,37	0,34
D010	IRRADIAD	8.901.782,712	707.852,447	27,511	171°53'54"	301°18'53"	27,89	-0,80
F011	IRRADIAD	8.901.778,202	707.853,270	27,160	171°34'54"	300°59'53"	32,48	-1,15
E019	IRRADIAD	8.901.784,170	707.846,590	27,521	184°12'41"	313°37'40"	26,23	-0,79
E020	IRRADIAD	8.901.804,927	707.859,079	28,530	117°04'47"	246°29'46"	11,86	0,22
E021	IRRADIAD	8.901.817,064	707.880,471	29,412	78°05'44"	207°30'43"	32,66	1,10
C015	IRRADIAD	8.901.811,983	707.878,575	29,352	86°50'47"	216°15'46"	30,10	1,04
C016	IRRADIAD	8.901.805,095	707.892,478	29,749	96°47'15"	226°12'14"	44,27	1,44
P001	IRRADIAD	8.901.804,771	707.892,604	29,724	97°10'56"	226°35'55"	44,44	1,41
P002	IRRADIAD	8.901.802,151	707.897,037	29,552	99°33'55"	228°58'54"	49,21	1,24
P003	IRRADIAD	8.901.799,470	707.901,772	29,334	101°31'22"	230°56'21"	54,35	1,02
P004	IRRADIAD	8.901.796,866	707.906,701	29,193	103°01'34"	232°26'33"	59,72	0,88
P005	IRRADIAD	8.901.795,285	707.911,459	28,993	103°26'25"	232°51'24"	64,72	0,68
P006	IRRADIAD	8.901.790,965	707.907,040	29,030	108°18'22"	237°43'21"	61,64	0,72
P007	IRRADIAD	8.901.793,519	707.902,452	28,975	107°18'32"	236°43'31"	56,49	0,66
P008	IRRADIAD	8.901.795,162	707.898,099	29,179	107°00'23"	236°25'22"	51,85	0,87
P009	IRRADIAD	8.901.797,280	707.893,741	29,747	106°05'33"	235°30'32"	47,07	1,43
P010	IRRADIAD	8.901.799,942	707.888,915	29,927	104°24'58"	233°49'57"	41,71	1,61
P011	IRRADIAD	8.901.802,057	707.883,874	29,843	103°09'55"	232°34'54"	36,31	1,53
P012	IRRADIAD	8.901.803,004	707.880,372	29,239	102°56'47"	232°21'46"	32,69	0,93
C017	IRRADIAD	8.901.803,313	707.876,544	29,163	104°03'01"	233°28'00"	28,89	0,85
C018	IRRADIAD	8.901.796,348	707.875,212	28,871	117°38'18"	247°03'17"	30,13	0,56
P013	IRRADIAD	8.901.793,571	707.879,673	28,910	118°16'15"	247°41'14"	35,38	0,60
P014	IRRADIAD	8.901.790,878	707.884,245	28,680	118°33'40"	247°58'39"	40,68	0,37
P015	IRRADIAD	8.901.788,522	707.889,577	28,441	117°58'14"	247°23'13"	46,49	0,13
P016	IRRADIAD	8.901.786,612	707.895,818	29,014	116°37'40"	246°02'39"	52,91	0,70
P017	IRRADIAD	8.901.785,448	707.897,250	28,100	117°02'40"	246°27'39"	54,72	-0,21
P018	IRRADIAD	8.901.784,573	707.900,752	28,150	116°14'41"	245°39'40"	58,24	-0,16

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Nome	Descrição	Norte	Este	Cota
TP180		8.901.810,327	707.848,516	28,313

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
P019	IRRADIAD	8.901.782,817	707.905,117	28,279	115°55'17"	245°20'16"	62,93	-0,03
P020	IRRADIAD	8.901.779,819	707.908,545	27,961	116°56'25"	246°21'24"	67,34	-0,35
P021	IRRADIAD	8.901.776,213	707.900,809	27,444	123°07'10"	252°32'09"	62,44	-0,87
P022	IRRADIAD	8.901.780,719	707.896,238	27,823	121°49'01"	251°14'00"	56,16	-0,49
P023	IRRADIAD	8.901.782,329	707.890,896	28,005	123°27'01"	252°52'00"	50,79	-0,31
P024	IRRADIAD	8.901.785,307	707.884,883	28,140	124°31'41"	253°56'40"	44,14	-0,17
P025	IRRADIAD	8.901.787,994	707.879,571	28,245	125°43'19"	255°08'18"	38,25	-0,07
P026	IRRADIAD	8.901.790,987	707.873,987	28,419	127°12'32"	256°37'31"	31,98	0,11
C019	IRRADIAD	8.901.785,579	707.872,909	27,706	135°24'52"	264°49'51"	34,75	-0,61
P027	IRRADIAD	8.901.780,974	707.877,830	27,028	135°02'19"	264°27'18"	41,48	-1,29
P028	IRRADIAD	8.901.776,973	707.882,972	26,717	134°04'10"	263°29'09"	47,96	-1,60
P029	IRRADIAD	8.901.773,453	707.888,448	26,768	132°43'12"	262°08'11"	54,35	-1,54
P030	IRRADIAD	8.901.771,121	707.893,018	26,390	131°22'48"	260°47'47"	59,31	-1,92
P031	IRRADIAD	8.901.767,238	707.897,806	26,488	131°09'34"	260°34'33"	65,47	-1,83
P032	IRRADIAD	8.901.765,167	707.902,781	26,460	129°46'04"	259°11'03"	70,60	-1,85
P033	IRRADIAD	8.901.762,251	707.891,584	25,085	138°08'44"	267°33'43"	64,55	-3,23
P034	IRRADIAD	8.901.766,136	707.887,813	25,429	138°21'17"	267°46'16"	59,14	-2,88
P035	IRRADIAD	8.901.769,956	707.882,937	25,738	139°32'57"	268°57'56"	53,05	-2,57
P036	IRRADIAD	8.901.773,557	707.878,677	26,109	140°38'22"	270°03'21"	47,56	-2,20
P037	IRRADIAD	8.901.776,766	707.874,132	26,464	142°38'48"	272°03'47"	42,22	-1,85
C020	IRRADIAD	8.901.779,174	707.871,707	26,734	143°20'06"	272°45'05"	38,84	-1,58
D011	IRRADIAD	8.901.817,927	707.876,900	29,525	75°00'35"	204°25'34"	29,38	1,21
F016	IRRADIAD	8.901.819,289	707.872,241	29,487	69°18'26"	198°43'25"	25,36	1,17
F018	IRRADIAD	8.901.824,330	707.894,209	29,389	72°57'44"	202°22'43"	47,79	1,08

Nome	Descrição	Norte	Este	Cota
TP181		8.902.017,196	707.840,558	26,027

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
F017	IRRADIAD	8.901.828,481	707.875,725	29,344	169°26'38"	351°38'49"	191,96	3,32
C021	IRRADIAD	8.901.846,209	707.889,531	27,388	164°01'03"	346°13'14"	177,86	1,36
C022	IRRADIAD	8.901.846,942	707.884,057	27,402	165°40'04"	347°52'15"	175,72	1,38
E023	IRRADIAD	8.901.847,010	707.887,174	26,897	164°40'54"	346°53'05"	176,45	0,87
C024	IRRADIAD	8.901.862,299	707.892,428	25,062	161°29'09"	343°41'20"	163,35	-0,96
C025	IRRADIAD	8.901.869,182	707.882,721	23,974	164°06'00"	346°18'11"	153,90	-2,05
C026	IRRADIAD	8.901.864,372	707.878,578	24,218	166°01'45"	348°13'56"	157,48	-1,81
E028	IRRADIAD	8.901.860,601	707.886,160	24,865	163°45'50"	345°58'01"	163,10	-1,16
E029	IRRADIAD	8.901.867,653	707.880,253	23,792	165°08'03"	347°20'14"	154,72	-2,24
E030	IRRADIAD	8.901.882,414	707.869,211	20,687	167°59'54"	350°12'05"	137,79	-5,34
C027	IRRADIAD	8.901.884,143	707.870,969	20,977	167°07'31"	349°19'42"	136,48	-5,05
C028	IRRADIAD	8.901.880,959	707.866,985	21,068	169°01'20"	351°13'31"	138,78	-4,96
C029	IRRADIAD	8.901.904,191	707.857,591	17,776	171°25'42"	353°37'53"	114,28	-8,25
C030	IRRADIAD	8.901.901,395	707.854,020	17,534	173°22'08"	355°34'19"	116,58	-8,49
E031	IRRADIAD	8.901.903,222	707.855,056	17,265	172°45'02"	354°57'13"	114,89	-8,76
E032	IRRADIAD	8.901.924,479	707.843,693	15,951	178°03'47"	0°15'58"	92,77	-10,08

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Nome	Descrição	Norte	Este	Cota
TP181		8.902.017,196	707.840,558	26,027

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
C031	IRRADIAD	8.901.926,884	707.846,430	15,994	176°16'48"	358°28'59"	90,50	-10,03
C032	IRRADIAD	8.901.925,987	707.839,440	15,831	180°42'07"	2°54'18"	91,22	-10,20
C033	IRRADIAD	8.901.943,781	707.831,842	16,204	186°46'13"	8°58'24"	73,93	-9,82
C034	IRRADIAD	8.901.944,997	707.837,917	16,547	182°05'41"	4°17'52"	72,25	-9,48
E033	IRRADIAD	8.901.945,162	707.834,404	16,384	184°52'57"	7°05'08"	72,30	-9,64
E034	IRRADIAD	8.901.970,478	707.832,067	19,791	190°18'02"	12°30'13"	47,48	-6,24
F019	IRRADIAD	8.901.969,569	707.827,500	19,388	195°19'54"	17°32'05"	49,38	-6,64
C035	IRRADIAD	8.901.969,141	707.830,610	19,854	191°41'43"	13°53'54"	49,07	-6,17
C036	IRRADIAD	8.901.970,345	707.834,128	19,999	187°48'50"	10°01'01"	47,29	-6,03
E035	IRRADIAD	8.901.988,873	707.829,754	22,117	200°52'43"	23°04'54"	30,31	-3,91
E036	IRRADIAD	8.902.016,339	707.824,949	23,792	266°51'35"	89°03'46"	15,63	-2,23
C037	IRRADIAD	8.902.014,364	707.822,676	23,809	261°00'11"	83°12'22"	18,10	-2,22
C038	IRRADIAD	8.902.017,306	707.826,952	24,273	270°27'50"	92°40'01"	13,61	-1,75
F020	IRRADIAD	8.902.012,293	707.820,596	22,380	256°11'59"	78°24'10"	20,55	-3,65
F021	IRRADIAD	8.902.036,581	707.813,849	21,923	305°58'22"	128°10'33"	33,00	-4,10
F022	IRRADIAD	8.902.038,556	707.807,139	22,066	302°35'09"	124°47'20"	39,66	-3,96
C039	IRRADIAD	8.902.041,740	707.816,308	22,675	315°20'46"	137°32'57"	34,50	-3,35
C040	IRRADIAD	8.902.042,522	707.819,472	22,673	320°13'14"	142°25'25"	32,96	-3,35
E037	IRRADIAD	8.902.027,414	707.821,854	23,948	298°38'58"	120°51'09"	21,31	-2,08
E038	IRRADIAD	8.902.035,936	707.819,459	22,972	311°36'41"	133°48'52"	28,22	-3,05
E039	IRRADIAD	8.902.043,419	707.817,594	22,485	318°47'29"	140°59'40"	34,86	-3,54
E040	IRRADIAD	8.902.067,755	707.808,210	23,341	327°23'21"	149°35'32"	60,02	-2,69
E041	IRRADIAD	8.902.068,327	707.799,136	22,912	320°59'21"	143°11'32"	65,80	-3,11
C041	IRRADIAD	8.902.062,054	707.809,057	23,124	324°55'19"	147°07'30"	54,81	-2,90
C042	IRRADIAD	8.902.065,958	707.812,343	23,764	329°56'45"	152°08'56"	56,34	-2,26
C043	IRRADIAD	8.902.065,716	707.799,371	22,761	319°40'26"	141°52'37"	63,64	-3,27
C044	IRRADIAD	8.902.070,239	707.798,436	23,185	321°32'50"	143°45'01"	67,73	-2,84
C045	IRRADIAD	8.902.073,443	707.814,953	24,146	335°31'28"	157°43'39"	61,80	-1,88
C046	IRRADIAD	8.902.061,931	707.776,695	21,558	305°00'40"	127°12'51"	77,97	-4,47
C047	IRRADIAD	8.902.066,094	707.775,855	21,887	307°04'49"	129°17'00"	81,10	-4,14
E042	IRRADIAD	8.902.064,437	707.776,739	21,633	306°30'39"	128°42'50"	79,40	-4,39
E043	IRRADIAD	8.902.058,464	707.744,491	20,246	293°14'50"	115°27'01"	104,56	-5,78
C048	IRRADIAD	8.902.055,639	707.744,507	20,528	291°48'48"	114°00'59"	103,46	-5,50
C049	IRRADIAD	8.902.060,228	707.743,443	20,369	293°53'55"	116°06'06"	106,22	-5,66
E044	IRRADIAD	8.902.057,385	707.711,282	17,856	287°16'10"	109°28'21"	135,38	-8,17
E045	IRRADIAD	8.902.055,779	707.690,543	15,870	284°25'25"	106°37'36"	154,90	-10,16
E046	IRRADIAD	8.902.054,852	707.673,310	14,242	282°41'20"	104°53'31"	171,43	-11,78
C050	IRRADIAD	8.902.058,258	707.677,099	15,092	284°06'05"	106°18'16"	168,54	-10,93

Nome	Descrição	Norte	Este	Cota
TP182		8.902.071,210	707.624,755	12,245

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
C051	IRRADIAD	8.902.051,495	707.669,062	13,901	113°59'13"	9°56'05"	48,50	1,66
F023	IRRADIAD	8.902.068,484	707.680,877	17,117	92°46'51"	348°43'43"	56,19	4,87

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Nome	Descrição	Norte	Este	Cota
TP182		8.902.071,210	707.624,755	12,245

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
E047	IRRADIAD	8.902.063,443	707.649,008	12,992	107°45'26"	3°42'18"	25,47	0,75
E048	IRRADIAD	8.902.069,985	707.633,467	12,316	98°00'04"	353°56'56"	8,80	0,07
C052	IRRADIAD	8.902.068,541	707.631,825	12,287	110°40'56"	6°37'48"	7,56	0,04
C053	IRRADIAD	8.902.072,992	707.631,649	12,599	75°30'30"	331°27'22"	7,12	0,35
C054	IRRADIAD	8.902.067,968	707.628,214	12,266	133°08'37"	29°05'29"	4,74	0,02
C055	IRRADIAD	8.902.079,714	707.612,310	11,556	304°20'49"	200°17'41"	15,07	-0,69
C056	IRRADIAD	8.902.082,782	707.614,717	12,062	319°03'43"	215°00'35"	15,32	-0,18
E049	IRRADIAD	8.902.081,198	707.613,805	11,858	312°22'18"	208°19'10"	14,82	-0,39

Nome	Descrição	Norte	Este	Cota
TRP009		8.901.580,187	707.953,295	14,863

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
TP183		8.901.583,700	707.938,157	14,496	283°03'57"	320°34'09"	15,54	-0,37
F024	IRRADIAD	8.901.718,542	707.823,092	24,132	316°44'19"	354°14'32"	189,99	9,27
F025	IRRADIAD	8.901.688,449	707.849,370	18,178	316°10'16"	353°40'29"	150,07	3,31
P038	IRRADIAD	8.901.496,447	707.928,628	13,958	196°24'48"	233°55'01"	87,30	-0,90
P039	IRRADIAD	8.901.500,819	707.927,249	13,649	198°10'06"	235°40'19"	83,53	-1,21
P040	IRRADIAD	8.901.493,133	707.931,418	13,538	194°06'24"	231°36'37"	89,76	-1,32
P041	IRRADIAD	8.901.496,259	707.939,572	13,849	189°17'11"	226°47'24"	85,04	-1,01
P042	IRRADIAD	8.901.500,290	707.937,529	13,975	191°09'45"	228°39'58"	81,44	-0,89
P043	IRRADIAD	8.901.504,148	707.935,865	14,369	192°54'38"	230°24'51"	78,01	-0,49
P044	IRRADIAD	8.901.510,135	707.943,012	14,182	188°21'03"	225°51'16"	70,80	-0,68
P045	IRRADIAD	8.901.505,807	707.946,443	14,204	185°15'48"	222°46'01"	74,69	-0,66
P046	IRRADIAD	8.901.502,567	707.949,434	14,082	182°50'52"	220°21'05"	77,72	-0,78
F026	IRRADIAD	8.901.518,907	707.955,603	14,333	177°50'35"	215°20'48"	61,32	-0,53
F027	IRRADIAD	8.901.520,904	707.959,617	14,388	173°54'46"	211°24'59"	59,62	-0,48
P047	IRRADIAD	8.901.513,705	707.962,323	14,772	172°16'01"	209°46'14"	67,09	-0,09
P048	IRRADIAD	8.901.508,904	707.961,704	14,425	173°16'19"	210°46'32"	71,78	-0,44
P049	IRRADIAD	8.901.516,349	707.971,841	15,116	163°48'03"	201°18'16"	66,48	0,25
P050	IRRADIAD	8.901.519,562	707.969,295	15,117	165°12'58"	202°43'11"	62,70	0,25
P051	IRRADIAD	8.901.525,004	707.966,212	14,853	166°49'31"	204°19'44"	56,67	-0,01
C057	IRRADIAD	8.901.525,999	707.984,044	15,252	150°25'36"	187°55'49"	62,30	0,39
C058	IRRADIAD	8.901.530,673	707.980,444	15,178	151°15'48"	188°46'01"	56,47	0,32
C059	IRRADIAD	8.901.536,411	707.975,526	14,969	153°04'36"	190°34'49"	49,10	0,11
C060	IRRADIAD	8.901.523,578	707.959,070	14,487	174°10'29"	211°40'42"	56,90	-0,38
E050	IRRADIAD	8.901.530,597	707.984,639	15,067	147°42'15"	185°12'28"	58,67	0,20
F028	IRRADIAD	8.901.556,454	707.981,508	15,060	130°04'13"	167°34'26"	36,87	0,20
C061	IRRADIAD	8.901.562,140	707.964,450	14,998	148°16'49"	185°47'02"	21,22	0,13
E051	IRRADIAD	8.901.564,613	707.959,872	14,788	157°06'20"	194°36'33"	16,91	-0,07
E052	IRRADIAD	8.901.577,186	707.951,248	14,612	214°17'57"	251°48'10"	3,63	-0,25
AV001	IRRADIAD	8.901.568,418	707.953,281	14,811	180°04'08"	217°34'21"	11,77	-0,05

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Nome	Descrição	Norte	Este	Cota
TP183		8.901.583,700	707.938,157	14,496

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
C062	IRRADIAD	8.901.580,386	707.954,198	14,750	101°40'23"	358°36'26"	16,38	0,25
C063	IRRADIAD	8.901.576,976	707.954,784	14,787	112°01'03"	8°57'06"	17,94	0,29
P052	IRRADIAD	8.901.599,843	707.951,362	15,175	39°17'05"	296°13'08"	20,86	0,68
P053	IRRADIAD	8.901.607,862	707.946,086	15,152	18°10'07"	275°06'10"	25,43	0,66
P054	IRRADIAD	8.901.616,276	707.941,216	15,142	5°21'56"	262°17'59"	32,72	0,65
P055	IRRADIAD	8.901.625,391	707.935,235	15,063	355°59'27"	252°55'30"	41,79	0,57
P056	IRRADIAD	8.901.633,346	707.930,330	15,080	351°02'27"	247°58'30"	50,26	0,58
P057	IRRADIAD	8.901.640,163	707.925,802	15,355	347°39'28"	244°35'31"	57,80	0,86
P058	IRRADIAD	8.901.647,643	707.930,887	15,028	353°30'52"	250°26'55"	64,35	0,53
P059	IRRADIAD	8.901.640,571	707.937,536	14,917	359°22'30"	256°18'33"	56,87	0,42
P060	IRRADIAD	8.901.633,805	707.943,254	14,948	5°48'34"	262°44'37"	50,36	0,45
P061	IRRADIAD	8.901.624,151	707.951,153	15,120	17°48'42"	274°44'45"	42,49	0,62
P062	IRRADIAD	8.901.617,536	707.956,013	15,120	27°49'20"	284°45'23"	38,26	0,62
P063	IRRADIAD	8.901.612,267	707.960,328	15,051	37°48'58"	294°45'01"	36,16	0,55
P064	IRRADIAD	8.901.620,211	707.966,009	15,029	37°20'18"	294°16'21"	45,92	0,53
P065	IRRADIAD	8.901.626,871	707.959,413	14,898	26°12'53"	283°08'56"	48,12	0,40
P066	IRRADIAD	8.901.634,334	707.953,732	14,703	17°05'53"	274°01'56"	52,97	0,21
P067	IRRADIAD	8.901.640,254	707.947,657	14,642	9°32'11"	266°28'14"	57,35	0,15
P068	IRRADIAD	8.901.646,046	707.942,133	14,720	3°38'57"	260°35'00"	62,47	0,22
P069	IRRADIAD	8.901.649,792	707.937,878	15,163	359°45'32"	256°41'35"	66,09	0,67
P070	IRRADIAD	8.901.649,542	707.932,191	15,059	354°49'23"	251°45'26"	66,11	0,56
P071	IRRADIAD	8.901.650,079	707.953,011	14,585	12°36'51"	269°32'54"	68,02	0,09
P072	IRRADIAD	8.901.642,957	707.959,234	14,394	19°34'49"	276°30'52"	62,89	-0,10
P073	IRRADIAD	8.901.635,846	707.966,252	14,326	28°18'54"	285°14'57"	59,23	-0,17
P074	IRRADIAD	8.901.630,424	707.972,502	14,266	36°19'06"	293°15'09"	57,99	-0,23
P075	IRRADIAD	8.901.639,054	707.979,043	14,060	36°27'05"	293°23'08"	68,82	-0,44
P076	IRRADIAD	8.901.645,113	707.972,314	14,197	29°04'58"	286°01'01"	70,27	-0,30
P077	IRRADIAD	8.901.650,144	707.966,662	14,726	23°13'12"	280°09'15"	72,30	0,23
P078	IRRADIAD	8.901.643,749	707.965,817	14,264	24°43'58"	281°40'01"	66,11	-0,23
P079	IRRADIAD	8.901.638,800	707.969,537	14,178	29°39'45"	286°35'48"	63,41	-0,32
P080	IRRADIAD	8.901.624,604	707.946,999	15,136	12°11'56"	269°07'59"	41,85	0,64
P081	IRRADIAD	8.901.630,536	707.942,035	14,981	4°44'03"	261°40'06"	47,00	0,49
P082	IRRADIAD	8.901.639,292	707.937,334	14,915	359°09'10"	256°05'13"	55,60	0,42
AV002	IRRADIAD	8.901.620,415	707.930,853	15,039	348°45'00"	245°41'03"	37,43	0,54
AV003	IRRADIAD	8.901.615,203	707.935,208	15,066	354°39'12"	251°35'15"	31,64	0,57
AV004	IRRADIAD	8.901.608,022	707.938,650	15,111	1°09'42"	258°05'45"	24,33	0,61
D012	IRRADIAD	8.901.600,111	707.943,555	15,191	18°12'34"	275°08'37"	17,28	0,70
AV005	IRRADIAD	8.901.617,236	707.947,104	15,224	14°56'20"	271°52'23"	34,71	0,73

Nome	Descrição	Norte	Este	Cota
TP184		8.901.504,603	707.925,660	14,204

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
AV006	IRRADIAD	8.901.498,633	707.925,386	13,384	182°37'36"	162°32'35"	5,98	-0,82
AV007	IRRADIAD	8.901.505,887	707.917,547	12,461	278°59'24"	258°54'23"	8,21	-1,74

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Nome	Descrição	Norte	Este	Cota
TP184		8.901.504,603	707.925,660	14,204

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
P083	IRRADIAD	8.901.501,011	707.920,680	12,597	234°11'50"	214°06'49"	6,14	-1,61
P084	IRRADIAD	8.901.495,303	707.922,463	11,913	198°57'58"	178°52'57"	9,83	-2,29
P085	IRRADIAD	8.901.498,137	707.919,720	12,349	222°34'05"	202°29'04"	8,78	-1,86
P086	IRRADIAD	8.901.501,246	707.916,531	11,297	249°48'31"	229°43'30"	9,73	-2,91
P087	IRRADIAD	8.901.503,937	707.913,692	11,651	266°48'43"	246°43'42"	11,99	-2,55
P088	IRRADIAD	8.901.501,247	707.908,731	9,187	258°47'09"	238°42'08"	17,26	-5,02
P089	IRRADIAD	8.901.497,235	707.912,839	9,787	240°06'48"	220°01'47"	14,79	-4,42
P090	IRRADIAD	8.901.493,254	707.912,858	8,841	228°26'35"	208°21'34"	17,11	-5,36
P091	IRRADIAD	8.901.489,762	707.914,449	7,637	217°04'01"	196°59'00"	18,60	-6,57
NA001	IRRADIAD	8.901.484,014	707.916,446	6,423	204°06'29"	184°01'28"	22,56	-7,78
NA002	IRRADIAD	8.901.487,551	707.912,303	6,393	218°04'14"	197°59'13"	21,66	-7,81
NA003	IRRADIAD	8.901.490,680	707.909,206	6,834	229°45'47"	209°40'46"	21,55	-7,37
NA004	IRRADIAD	8.901.494,911	707.905,244	6,505	244°36'15"	224°31'14"	22,60	-7,70
P092	IRRADIAD	8.901.497,620	707.913,295	11,006	240°32'36"	220°27'35"	14,20	-3,20
P093	IRRADIAD	8.901.494,824	707.914,259	11,145	229°22'37"	209°17'36"	15,02	-3,06
P094	IRRADIAD	8.901.490,485	707.915,836	10,060	214°49'52"	194°44'51"	17,20	-4,14
P095	IRRADIAD	8.901.487,824	707.918,656	10,075	202°39'22"	182°34'21"	18,18	-4,13
F029	IRRADIAD	8.901.536,067	707.994,262	15,051	65°21'42"	45°16'41"	75,47	0,85
E053	IRRADIAD	8.901.528,784	707.985,649	14,997	68°02'46"	47°57'45"	64,68	0,79
E054	IRRADIAD	8.901.505,301	708.003,533	15,043	89°29'12"	69°24'11"	77,88	0,84
C064	IRRADIAD	8.901.504,060	708.001,112	15,299	90°24'46"	70°19'45"	75,45	1,09
C065	IRRADIAD	8.901.507,286	708.005,224	15,127	88°04'09"	67°59'08"	79,61	0,92
C066	IRRADIAD	8.901.484,024	708.023,294	15,135	101°54'09"	81°49'08"	99,78	0,93
C067	IRRADIAD	8.901.480,863	708.019,018	15,181	104°16'03"	84°11'02"	96,33	0,98
E055	IRRADIAD	8.901.482,788	708.020,857	14,948	102°54'26"	82°49'25"	97,66	0,74
E056	IRRADIAD	8.901.475,757	708.027,156	14,710	105°51'57"	85°46'56"	105,52	0,51
C068	IRRADIAD	8.901.477,723	708.029,222	15,199	104°33'03"	84°28'02"	106,99	0,99
C069	IRRADIAD	8.901.471,836	708.026,153	15,112	108°03'34"	87°58'33"	105,70	0,91
C070	IRRADIAD	8.901.463,544	708.043,720	14,150	109°10'36"	89°05'35"	125,00	-0,05
C071	IRRADIAD	8.901.459,582	708.040,326	14,506	111°26'11"	91°21'10"	123,19	0,30
E057	IRRADIAD	8.901.462,070	708.042,061	13,982	110°04'21"	89°59'20"	123,93	-0,22
E058	IRRADIAD	8.901.442,952	708.065,999	13,822	113°42'58"	93°37'57"	153,28	-0,38
C072	IRRADIAD	8.901.445,080	708.067,050	13,815	112°49'50"	92°44'49"	153,41	-0,39
C073	IRRADIAD	8.901.441,040	708.063,673	14,163	114°43'44"	94°38'43"	151,95	-0,04

Nome	Descrição	Norte	Este	Cota
TP185		8.901.439,907	708.066,406	14,053

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
C074	IRRADIAD	8.901.426,486	708.093,041	13,014	116°44'35"	182°03'24"	29,83	-1,04
C075	IRRADIAD	8.901.425,566	708.098,931	12,890	113°47'40"	179°06'29"	35,55	-1,16
C076	IRRADIAD	8.901.429,770	708.106,360	12,582	104°14'13"	169°33'02"	41,22	-1,47
C077	IRRADIAD	8.901.427,583	708.110,522	12,488	105°36'29"	170°55'18"	45,80	-1,56
C078	IRRADIAD	8.901.414,792	708.102,658	12,966	124°42'49"	190°01'38"	44,10	-1,09
C079	IRRADIAD	8.901.416,330	708.095,475	13,265	129°02'40"	194°21'29"	37,43	-0,79

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Nome	Descrição	Norte	Este	Cota
TP185		8.901.439,907	708.066,406	14,053

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
C080	IRRADIAD	8.901.420,858	708.089,682	13,329	129°17'51"	194°36'40"	30,08	-0,72
E059	IRRADIAD	8.901.425,102	708.089,956	13,021	122°09'19"	187°28'08"	27,82	-1,03
E060	IRRADIAD	8.901.419,940	708.100,913	12,754	120°03'22"	185°22'11"	39,87	-1,30
E061	IRRADIAD	8.901.428,528	708.108,256	12,369	105°12'39"	170°31'28"	43,37	-1,68

Nome	Descrição	Norte	Este	Cota
TP186		8.901.418,843	708.103,511	13,083

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
E062	IRRADIAD	8.901.452,931	708.119,449	12,330	25°03'31"	85°28'30"	37,63	-0,75
C081	IRRADIAD	8.901.453,617	708.117,376	12,381	21°44'19"	82°09'18"	37,44	-0,70
C082	IRRADIAD	8.901.451,584	708.121,758	12,195	29°07'55"	89°32'54"	37,48	-0,89
C083	IRRADIAD	8.901.474,926	708.133,171	12,300	27°52'22"	88°17'21"	63,44	-0,78
C084	IRRADIAD	8.901.476,245	708.127,634	12,423	22°47'41"	83°12'40"	62,27	-0,66
E063	IRRADIAD	8.901.475,639	708.129,757	12,341	24°48'09"	85°13'08"	62,57	-0,74
E064	IRRADIAD	8.901.502,234	708.142,151	12,500	24°51'39"	85°16'38"	91,91	-0,58
C085	IRRADIAD	8.901.503,303	708.139,752	12,565	23°13'26"	83°38'25"	91,91	-0,52
C086	IRRADIAD	8.901.529,686	708.151,593	12,559	23°27'01"	83°52'00"	120,82	-0,52
E065	IRRADIAD	8.901.528,530	708.153,592	12,346	24°32'25"	84°57'24"	120,58	-0,74
E066	IRRADIAD	8.901.554,294	708.165,346	12,529	24°32'14"	84°57'13"	148,90	-0,55
C087	IRRADIAD	8.901.555,570	708.163,045	12,571	23°31'46"	83°56'45"	149,13	-0,51
C088	IRRADIAD	8.901.581,062	708.174,347	12,495	23°35'22"	84°00'21"	177,01	-0,59
C089	IRRADIAD	8.901.578,054	708.180,393	12,345	25°46'32"	86°11'31"	176,80	-0,74
E067	IRRADIAD	8.901.578,907	708.176,653	12,428	24°33'30"	84°58'29"	175,98	-0,65
E068	IRRADIAD	8.901.606,602	708.189,645	12,784	24°38'35"	85°03'34"	206,57	-0,30
E069	IRRADIAD	8.901.613,237	708.193,476	13,160	24°50'04"	85°15'03"	214,20	0,08
C090	IRRADIAD	8.901.612,946	708.188,648	13,201	23°40'59"	84°05'58"	211,95	0,12
C091	IRRADIAD	8.901.621,096	708.191,709	14,092	23°33'39"	83°58'38"	220,65	1,01

Nome	Descrição	Norte	Este	Cota
TP187		8.901.614,278	708.192,570	13,353

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
E070	IRRADIAD	8.901.612,637	708.198,776	13,010	104°48'58"	260°19'04"	6,42	-0,34
C092	IRRADIAD	8.901.608,128	708.195,030	12,939	158°11'46"	313°41'52"	6,62	-0,41
C093	IRRADIAD	8.901.601,030	708.228,016	13,333	110°29'36"	265°59'42"	37,84	-0,02
C094	IRRADIAD	8.901.608,530	708.232,507	13,825	98°11'24"	253°41'30"	40,35	0,47
E071	IRRADIAD	8.901.604,175	708.230,284	13,188	104°59'47"	260°29'53"	39,04	-0,16
E072	IRRADIAD	8.901.594,893	708.259,295	13,774	106°12'00"	261°42'06"	69,48	0,42
C095	IRRADIAD	8.901.599,006	708.262,580	15,294	102°18'21"	257°48'27"	71,66	1,94
C096	IRRADIAD	8.901.592,583	708.261,334	13,659	107°30'38"	263°00'44"	72,11	0,31
T001	IRRADIAD	8.901.596,050	708.260,890	13,783	104°56'19"	260°26'25"	70,71	0,43
T002	IRRADIAD	8.901.593,627	708.270,407	13,449	104°51'33"	260°21'39"	80,53	0,10
C097	IRRADIAD	8.901.595,522	708.275,477	14,780	102°44'50"	258°14'56"	85,00	1,43
E073	IRRADIAD	8.901.588,044	708.288,375	12,413	105°18'50"	260°48'56"	99,33	-0,94

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Nome	Descrição	Norte	Este	Cota
TP187		8.901.614,278	708.192,570	13,353

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
C098	IRRADIAD	8.901.585,242	708.288,606	12,314	106°49'21"	262°19'27"	100,33	-1,04

Nome	Descrição	Norte	Este	Cota
TP188		8.901.576,519	708.322,817	12,281

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
T003	IRRADIAD	8.901.589,981	708.294,737	12,508	295°36'48"	9°26'47"	31,14	0,23
C099	IRRADIAD	8.901.592,874	708.295,263	13,355	300°41'33"	14°31'32"	32,04	1,07
C100	IRRADIAD	8.901.583,565	708.293,870	12,227	283°40'48"	357°30'47"	29,79	-0,05
E073	IRRADIAD	8.901.587,542	708.294,113	12,291	291°00'30"	4°50'29"	30,75	0,01
E074	IRRADIAD	8.901.582,632	708.311,966	12,143	299°23'43"	13°13'42"	12,45	-0,14
C101	IRRADIAD	8.901.588,895	708.314,976	12,403	327°38'42"	41°28'41"	14,65	0,12
C102	IRRADIAD	8.901.573,276	708.316,856	11,973	241°27'11"	315°17'10"	6,79	-0,31
C104	IRRADIAD	8.901.571,498	708.350,130	12,425	100°25'02"	174°15'01"	27,77	0,14
E075	IRRADIAD	8.901.565,625	708.349,216	12,346	112°25'27"	186°15'26"	28,56	0,06
E076	IRRADIAD	8.901.552,050	708.376,930	12,566	114°19'54"	188°09'53"	59,39	0,28
C105	IRRADIAD	8.901.556,529	708.379,600	13,163	109°23'40"	183°13'39"	60,20	0,88
C106	IRRADIAD	8.901.542,417	708.407,568	14,292	111°55'08"	185°45'07"	91,35	2,01
E076	IRRADIAD	8.901.538,228	708.403,484	13,883	115°23'34"	189°13'33"	89,29	1,60

Nome	Descrição	Norte	Este	Cota
TP189		8.901.540,271	708.405,629	14,257

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
C103	IRRADIAD	8.901.542,564	708.381,937	12,989	275°31'37"	341°53'15"	23,80	-1,27
E077	IRRADIAD	8.901.537,734	708.401,639	13,716	237°32'32"	303°54'10"	4,73	-0,54
E078	IRRADIAD	8.901.521,320	708.417,827	15,034	147°13'59"	213°35'37"	22,54	0,78
C107	IRRADIAD	8.901.516,044	708.405,420	14,429	180°29'41"	246°51'19"	24,23	0,17
C108	IRRADIAD	8.901.526,057	708.421,941	15,538	131°04'08"	197°25'46"	21,64	1,28
C109	IRRADIAD	8.901.504,524	708.440,872	16,842	135°24'26"	201°46'04"	50,20	2,59
C110	IRRADIAD	8.901.493,921	708.421,617	15,190	160°58'06"	227°19'44"	49,03	0,93
E079	IRRADIAD	8.901.500,106	708.430,075	15,685	148°40'24"	215°02'02"	47,02	1,43
E080	IRRADIAD	8.901.474,720	708.444,292	16,264	149°28'02"	215°49'40"	76,10	2,01
E081	IRRADIAD	8.901.465,554	708.452,064	16,698	148°08'25"	214°30'03"	87,97	2,44
C111	IRRADIAD	8.901.462,878	708.449,531	16,744	150°26'09"	216°47'47"	88,98	2,49
C112	IRRADIAD	8.901.474,486	708.462,061	18,351	139°22'36"	205°44'14"	86,67	4,09

Nome	Descrição	Norte	Este	Cota
TP190		8.901.465,340	708.448,914	16,815

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
E082	IRRADIAD	8.901.454,011	708.466,761	17,130	122°24'23"	152°25'12"	21,14	0,32
C113	IRRADIAD	8.901.464,781	708.476,419	18,842	91°09'49"	121°10'38"	27,51	2,03
C114	IRRADIAD	8.901.453,010	708.463,638	17,183	129°56'42"	159°57'31"	19,20	0,37
C115	IRRADIAD	8.901.436,729	708.487,023	16,576	126°53'55"	156°54'44"	47,65	-0,24

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Nome	Descrição	Norte	Este	Cota
TP190		8.901.465,340	708.448,914	16,815

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
C116	IRRADIAD	8.901.442,117	708.497,938	17,409	115°20'49"	145°21'38"	54,25	0,59
E083	IRRADIAD	8.901.436,065	708.492,332	16,638	123°59'26"	154°00'15"	52,37	-0,18
E084	IRRADIAD	8.901.425,953	708.504,811	16,910	125°10'13"	155°11'02"	68,38	0,09
C116	IRRADIAD	8.901.425,536	708.501,599	16,977	127°04'18"	157°05'07"	66,03	0,16
C117	IRRADIAD	8.901.430,452	708.504,553	17,081	122°05'22"	152°06'11"	65,67	0,27
C118	IRRADIAD	8.901.433,784	708.506,097	17,366	118°53'30"	148°54'19"	65,31	0,55

Nome	Descrição	Norte	Este	Cota
TP191		8.901.412,583	708.524,771	17,244

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
E085	IRRADIAD	8.901.408,619	708.516,294	16,491	244°56'08"	300°07'05"	9,36	-0,75
C119	IRRADIAD	8.901.411,098	708.520,732	17,008	249°48'36"	304°59'33"	4,30	-0,24
C120	IRRADIAD	8.901.405,185	708.513,919	16,455	235°42'56"	290°53'53"	13,13	-0,79
C121	IRRADIAD	8.901.385,464	708.529,642	15,029	169°49'04"	225°00'01"	27,55	-2,22
C122	IRRADIAD	8.901.395,372	708.533,671	15,651	152°39'30"	207°50'27"	19,38	-1,59
E086	IRRADIAD	8.901.385,782	708.534,073	14,904	160°51'39"	216°02'36"	28,37	-2,34
E087	IRRADIAD	8.901.367,245	708.554,931	14,803	146°22'04"	201°33'01"	54,45	-2,44
C123	IRRADIAD	8.901.370,662	708.558,673	15,016	141°02'14"	196°13'11"	53,91	-2,23
C124	IRRADIAD	8.901.363,232	708.553,962	14,802	149°23'48"	204°34'45"	57,34	-2,44
C125	IRRADIAD	8.901.348,419	708.570,904	15,135	144°17'05"	199°28'02"	79,03	-2,11
C126	IRRADIAD	8.901.350,603	708.579,194	15,470	138°42'54"	193°53'51"	82,48	-1,77
E088	IRRADIAD	8.901.351,546	708.571,565	15,179	142°31'30"	197°42'27"	76,91	-2,07
E089	IRRADIAD	8.901.331,850	708.590,083	16,182	141°01'39"	196°12'36"	103,84	-1,06
E090	IRRADIAD	8.901.318,233	708.603,097	17,718	140°18'08"	195°29'05"	122,63	0,47
C127	IRRADIAD	8.901.322,416	708.606,985	17,868	137°38'30"	192°49'27"	122,02	0,62
C128	IRRADIAD	8.901.315,324	708.601,879	18,113	141°35'32"	196°46'29"	124,12	0,87
C129	IRRADIAD	8.901.313,321	708.616,020	19,027	137°24'32"	192°35'29"	134,83	1,78
C130	IRRADIAD	8.901.302,085	708.620,531	19,883	139°05'14"	194°16'11"	146,22	2,64
E091	IRRADIAD	8.901.305,452	708.622,309	19,492	137°41'02"	192°51'59"	144,88	2,25
E092	IRRADIAD	8.901.296,514	708.637,268	21,078	135°53'44"	191°04'41"	161,64	3,83
C131	IRRADIAD	8.901.299,230	708.638,702	21,178	134°51'16"	190°02'13"	160,71	3,93
C132	IRRADIAD	8.901.292,115	708.636,255	21,802	137°13'05"	192°24'02"	164,14	4,56
C133	IRRADIAD	8.901.278,577	708.657,215	23,513	135°20'09"	190°31'06"	188,41	6,27
C134	IRRADIAD	8.901.286,886	708.659,695	23,884	132°58'21"	188°09'18"	184,40	6,64
E093	IRRADIAD	8.901.282,734	708.658,149	23,359	134°13'55"	189°24'52"	186,15	6,11

Nome	Descrição	Norte	Este	Cota
TP192		8.901.277,590	708.659,922	23,468

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
C135	IRRADIAD	8.901.273,448	708.665,371	23,102	127°14'15"	172°16'15"	6,85	-0,37
C136	IRRADIAD	8.901.282,004	708.671,901	23,727	69°46'33"	114°48'33"	12,77	0,26
C137	IRRADIAD	8.901.263,928	708.687,805	21,416	116°06'15"	161°08'15"	31,05	-2,05
C138	IRRADIAD	8.901.274,633	708.690,678	22,822	95°29'35"	140°31'35"	30,90	-0,65

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Nome	Descrição	Norte	Este	Cota
TP192		8.901.277,590	708.659,922	23,468

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
E094	IRRADIAD	8.901.267,718	708.687,534	21,673	109°40'24"	154°42'24"	29,32	-1,80
E095	IRRADIAD	8.901.259,918	708.712,977	20,726	108°25'20"	153°27'20"	55,92	-2,74
E096	IRRADIAD	8.901.256,247	708.714,017	20,708	111°31'55"	156°33'55"	58,15	-2,76
E097	IRRADIAD	8.901.253,735	708.711,772	20,497	114°42'22"	159°44'22"	57,08	-2,97
C139	IRRADIAD	8.901.255,879	708.706,107	20,278	115°10'42"	160°12'42"	51,03	-3,19
C140	IRRADIAD	8.901.249,716	708.706,891	20,036	120°41'14"	165°43'14"	54,62	-3,43
C141	IRRADIAD	8.901.264,428	708.717,235	21,964	102°56'01"	147°58'01"	58,81	-1,50
C142	IRRADIAD	8.901.261,025	708.725,886	22,793	104°05'48"	149°07'48"	68,01	-0,68
E098	IRRADIAD	8.901.255,470	708.725,861	22,391	108°32'40"	153°34'40"	69,55	-1,08
E099	IRRADIAD	8.901.249,443	708.741,441	25,330	109°02'55"	154°04'55"	86,24	1,86
C143	IRRADIAD	8.901.254,273	708.741,402	25,979	105°58'10"	151°00'10"	84,75	2,51
P095	IRRADIAD	8.901.245,637	708.740,576	25,946	111°36'44"	156°38'44"	86,75	2,48
P096	IRRADIAD	8.901.241,581	708.755,515	28,098	110°38'28"	155°40'28"	102,15	4,63
E100	IRRADIAD	8.901.244,641	708.756,109	28,073	108°54'32"	153°56'32"	101,67	4,60
C144	IRRADIAD	8.901.247,920	708.756,990	28,537	106°59'47"	152°01'47"	101,50	5,07
C145	IRRADIAD	8.901.242,972	708.770,572	30,471	107°22'22"	152°24'22"	115,94	7,00
E101	IRRADIAD	8.901.238,558	708.769,922	29,831	109°32'12"	154°34'12"	116,72	6,36
P097	IRRADIAD	8.901.235,745	708.770,280	29,793	110°45'56"	155°47'56"	118,03	6,33
P098	IRRADIAD	8.901.231,452	708.783,259	30,969	110°30'35"	155°32'35"	131,69	7,50
E102	IRRADIAD	8.901.234,504	708.783,574	30,950	109°12'39"	154°14'39"	130,94	7,48
C146	IRRADIAD	8.901.239,221	708.783,345	31,600	107°16'09"	152°18'09"	129,25	8,13
C147	IRRADIAD	8.901.234,788	708.800,234	32,889	106°57'52"	151°59'52"	146,70	9,42
E103	IRRADIAD	8.901.230,004	708.799,642	32,166	108°48'29"	153°50'29"	147,60	8,70
E104	IRRADIAD	8.901.225,541	708.805,496	32,339	109°40'27"	154°42'27"	154,60	8,87
C148	IRRADIAD	8.901.222,476	708.811,921	32,790	109°55'50"	154°57'50"	161,68	9,32
C149	IRRADIAD	8.901.203,045	708.797,792	30,765	118°23'59"	163°25'59"	156,73	7,30
C150	IRRADIAD	8.901.244,889	708.826,316	34,735	101°07'07"	146°09'07"	169,58	11,27
C151	IRRADIAD	8.901.250,832	708.809,994	34,206	100°06'35"	145°08'35"	152,44	10,74
E105	IRRADIAD	8.901.246,496	708.820,889	34,112	100°56'00"	145°58'00"	163,94	10,64
E106	IRRADIAD	8.901.260,028	708.827,715	35,411	95°58'31"	141°00'31"	168,71	11,94
C152	IRRADIAD	8.901.259,242	708.831,412	36,076	96°06'25"	141°08'25"	172,47	12,61
C153	IRRADIAD	8.901.261,698	708.816,142	35,258	95°48'31"	140°50'31"	157,03	11,79
C154	IRRADIAD	8.901.286,107	708.841,583	37,971	87°18'57"	132°20'57"	181,86	14,50
C155	IRRADIAD	8.901.288,359	708.831,723	37,399	86°24'48"	131°26'48"	172,14	13,93
E107	IRRADIAD	8.901.287,398	708.836,274	37,521	86°49'01"	131°51'01"	176,63	14,05
C156	IRRADIAD	8.901.303,326	708.850,915	39,194	82°19'33"	127°21'33"	192,72	15,73
C157	IRRADIAD	8.901.307,033	708.842,595	38,875	80°50'38"	125°52'38"	185,03	15,41
E108	IRRADIAD	8.901.305,098	708.845,583	38,692	81°34'21"	126°36'21"	187,69	15,22
E109	IRRADIAD	8.901.333,360	708.862,641	40,380	74°37'05"	119°39'05"	210,25	16,91
C159	IRRADIAD	8.901.330,983	708.866,728	40,650	75°31'25"	120°33'25"	213,59	17,18
C160	IRRADIAD	8.901.334,605	708.858,536	40,392	73°59'00"	119°01'00"	206,64	16,92
C161	IRRADIAD	8.901.349,194	708.866,704	41,362	70°54'01"	115°56'01"	218,83	17,89
C162	IRRADIAD	8.901.341,784	708.873,367	41,409	73°15'41"	118°17'41"	222,89	17,94
E110	IRRADIAD	8.901.344,333	708.870,228	41,111	72°23'34"	117°25'34"	220,64	17,64

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Nome	Descrição	Norte	Este	Cota
TP194		8.901.365,225	708.927,914	43,387

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
C163	IRRADIAD	8.901.366,507	708.892,485	42,699	272°04'23"	27°16'22"	35,45	-0,69
E111	IRRADIAD	8.901.368,052	708.890,051	42,584	274°16'15"	29°28'14"	37,97	-0,80
E112	IRRADIAD	8.901.391,073	708.906,440	43,254	320°16'56"	75°28'55"	33,60	-0,13
C169	IRRADIAD	8.901.389,194	708.909,663	43,503	322°42'48"	77°54'47"	30,13	0,12
C170	IRRADIAD	8.901.413,307	708.927,002	42,574	358°54'49"	114°06'48"	48,09	-0,81
E113	IRRADIAD	8.901.416,316	708.921,363	42,306	352°41'39"	107°53'38"	51,51	-1,08
E114	IRRADIAD	8.901.436,329	708.937,915	41,323	8°00'22"	123°12'21"	71,80	-2,06
C171	IRRADIAD	8.901.433,703	708.940,983	41,558	10°48'20"	126°00'19"	69,71	-1,83
C172	IRRADIAD	8.901.454,580	708.955,425	40,815	17°06'47"	132°18'46"	93,49	-2,57
C173	IRRADIAD	8.901.466,873	708.963,633	40,361	19°21'41"	134°33'40"	107,74	-3,03
E116	IRRADIAD	8.901.456,137	708.952,429	40,854	15°05'29"	130°17'28"	94,16	-2,53
E117	IRRADIAD	8.901.468,620	708.959,018	40,719	16°44'34"	131°56'33"	107,97	-2,67
E118	IRRADIAD	8.901.493,527	708.966,091	41,120	16°34'14"	131°46'13"	133,86	-2,27
C174	IRRADIAD	8.901.492,589	708.969,887	41,117	18°14'23"	133°26'22"	134,10	-2,27
C175	IRRADIAD	8.901.520,208	708.976,176	42,060	17°17'48"	132°29'47"	162,32	-1,33
E119	IRRADIAD	8.901.521,051	708.972,016	41,954	15°48'09"	131°00'08"	161,95	-1,43
E120	IRRADIAD	8.901.549,568	708.980,314	43,495	15°52'05"	131°04'04"	191,65	0,11
C176	IRRADIAD	8.901.548,354	708.983,929	43,781	17°00'28"	132°12'27"	191,51	0,39
C177	IRRADIAD	8.901.581,069	709.000,142	45,759	18°30'06"	133°42'05"	227,61	2,37
E121	IRRADIAD	8.901.582,686	708.996,623	45,554	17°32'04"	132°44'03"	228,06	2,17
E122	IRRADIAD	8.901.605,858	709.009,402	47,191	18°42'29"	133°54'28"	254,06	3,80
C178	IRRADIAD	8.901.613,615	709.016,158	48,184	19°33'30"	134°45'29"	263,60	4,80
C179	IRRADIAD	8.901.656,975	709.022,971	50,367	18°02'47"	133°14'46"	306,85	6,98
E123	IRRADIAD	8.901.635,866	709.017,046	49,147	18°13'43"	133°25'42"	284,94	5,76
E124	IRRADIAD	8.901.657,664	709.019,557	50,021	17°23'59"	132°35'58"	306,46	6,63
E125	IRRADIAD	8.901.682,003	709.032,147	51,740	18°12'48"	133°24'47"	333,49	8,35
C180	IRRADIAD	8.901.680,534	709.035,333	51,952	18°48'46"	134°00'45"	333,11	8,56
E126	IRRADIAD	8.901.704,271	709.043,159	53,595	18°46'24"	133°58'23"	358,10	10,21
C181	IRRADIAD	8.901.702,381	709.047,024	53,478	19°27'26"	134°39'25"	357,58	10,09
C182	IRRADIAD	8.901.723,176	709.058,504	55,005	20°02'36"	135°14'35"	381,03	11,62
E127	IRRADIAD	8.901.725,863	709.054,600	54,908	19°21'20"	134°33'19"	382,24	11,52
E128	IRRADIAD	8.901.745,312	709.070,878	55,593	20°36'47"	135°48'46"	406,09	12,21
C183	IRRADIAD	8.901.743,507	709.073,852	55,568	21°05'46"	136°17'45"	405,46	12,18
C184	IRRADIAD	8.901.757,925	709.084,707	55,697	21°45'55"	136°57'54"	422,84	12,31
E129	IRRADIAD	8.901.759,434	709.080,104	55,715	21°06'35"	136°18'34"	422,57	12,33
E130	IRRADIAD	8.901.784,836	709.086,688	56,501	20°43'33"	135°55'32"	448,65	13,11
E131	IRRADIAD	8.901.809,242	709.087,923	57,761	19°49'03"	135°01'02"	471,97	14,37
C185	IRRADIAD	8.901.784,014	709.090,240	56,589	21°11'12"	136°23'11"	449,15	13,20
C186	IRRADIAD	8.901.808,530	709.091,758	57,691	20°17'03"	135°29'02"	472,62	14,30
C187	IRRADIAD	8.901.831,306	709.097,354	58,775	19°58'42"	135°10'41"	495,93	15,39

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Nome	Descrição	Norte	Este	Cota
TP195		8.901.825,608	709.108,941	57,490

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
E138	IRRADIAD	8.901.832,686	709.093,234	58,892	294°15'26"	92°47'31"	17,23	1,40

Nome	Descrição	Norte	Este	Cota
TP303	EST	8.903.205,612	710.580,946	124,564

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
C3669	CERCA	8.903.391,389	710.802,611	131,103	50°02'02"	1°44'36"	289,22	6,54
E925	EIXO	8.903.394,928	710.799,770	130,940	49°08'07"	0°50'41"	289,35	6,38
E926	EIXO	8.903.384,032	710.781,624	130,552	48°21'37"	0°04'11"	268,52	5,99
C3670	CERCA	8.903.379,611	710.783,780	130,740	49°22'33"	1°05'07"	267,24	6,18
C3671	CERCA	8.903.368,275	710.765,993	129,988	48°41'00"	0°23'34"	246,38	5,42
E927	EIXO	8.903.371,216	710.763,363	129,770	47°45'57"	359°28'31"	246,37	5,21
E928	EIXO	8.903.348,725	710.738,678	128,623	47°46'56"	359°29'30"	212,98	4,06
C3672	CERCA	8.903.345,411	710.741,164	128,496	48°53'37"	0°36'11"	212,63	3,93
C3673	CERCA	8.903.323,968	710.718,548	127,922	49°18'01"	1°00'35"	181,50	3,36
E929	EIXO	8.903.326,204	710.716,145	127,813	48°16'06"	359°58'40"	181,17	3,25
E930	EIXO	8.903.305,688	710.694,472	127,352	48°36'11"	0°18'45"	151,34	2,79
C3674	CERCA	8.903.303,210	710.696,528	127,450	49°49'20"	1°31'54"	151,28	2,89
C3675	CERCA	8.903.280,754	710.672,818	126,834	50°43'13"	2°25'47"	118,69	2,27
E931	EIXO	8.903.283,885	710.669,731	126,764	48°36'02"	0°18'36"	118,36	2,20
E932	EIXO	8.903.260,909	710.648,197	126,273	50°34'17"	2°16'51"	87,07	1,71
C3676	CERCA	8.903.257,845	710.650,644	126,381	53°09'06"	4°51'40"	87,10	1,82
C3677	CERCA	8.903.244,181	710.637,459	126,000	55°41'15"	7°23'49"	68,42	1,44
E933	EIXO	8.903.246,372	710.635,066	125,737	53°00'54"	4°43'28"	67,75	1,17
E934	EIXO	8.903.228,701	710.613,942	125,208	55°01'05"	6°43'39"	40,27	0,64
C3678	CERCA	8.903.223,747	710.617,821	125,265	63°48'46"	15°31'20"	41,09	0,70
C3679	CERCA	8.903.203,685	710.597,577	124,209	96°36'36"	48°19'10"	16,74	-0,36
E935	EIXO	8.903.218,186	710.593,143	124,742	44°07'42"	355°50'16"	17,52	0,18
E936	EIXO	8.903.214,958	710.570,567	124,633	312°00'17"	263°42'51"	13,97	0,07
C3680	CERCA	8.903.205,495	710.571,179	124,603	269°18'40"	221°01'14"	9,77	0,04
C3681	CERCA	8.903.206,620	710.556,837	125,062	272°23'39"	224°06'13"	24,13	0,50
E937	EIXO	8.903.214,400	710.557,984	124,781	290°56'34"	242°39'08"	24,59	0,22
E938	EIXO	8.903.218,166	710.544,686	125,097	289°05'50"	240°48'24"	38,37	0,53
C3682	CERCA	8.903.214,863	710.542,588	125,354	283°33'31"	235°16'05"	39,46	0,79
C3683	CERCA	8.903.230,785	710.520,711	126,189	292°40'51"	244°23'25"	65,28	1,62
E939	EIXO	8.903.233,422	710.523,171	125,912	295°42'14"	247°24'48"	64,12	1,35
E940	EIXO	8.903.243,801	710.511,183	126,242	298°41'49"	250°24'23"	79,53	1,68
C3684	CERCA	8.903.239,964	710.509,124	126,525	295°33'42"	247°16'16"	79,61	1,96
C3685	CERCA	8.903.253,854	710.487,600	127,284	297°19'49"	249°02'23"	105,07	2,72
E941	EIXO	8.903.258,218	710.490,603	126,868	300°12'43"	251°55'17"	104,54	2,30
E942	EIXO	8.903.267,939	710.471,632	127,135	299°41'26"	251°24'00"	125,83	2,57
C3686	CERCA	8.903.264,703	710.470,670	127,533	298°11'05"	249°53'39"	125,11	2,97
C3687	CERCA	8.903.268,189	710.441,885	127,673	294°13'40"	245°56'14"	152,49	3,11
E943	EIXO	8.903.273,732	710.442,189	126,963	296°08'52"	247°51'26"	154,58	2,40

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Nome	Descrição	Norte	Este	Cota
TP143	EST	8.903.270,430	710.430,263	127,661

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
E944	EIXO	8.903.277,653	710.412,802	126,956	292°28'21"	179°11'49"	18,90	-0,71
C3688	CERCA	8.903.271,788	710.412,311	127,754	274°19'29"	161°02'57"	18,00	0,09
C3689	CERCA	8.903.273,915	710.392,566	127,520	275°16'52"	162°00'20"	37,86	-0,14
E945	EIXO	8.903.279,151	710.392,700	126,991	283°04'10"	169°47'38"	38,56	-0,67
E946	EIXO	8.903.277,352	710.375,152	126,770	277°09'30"	163°52'58"	55,54	-0,89
C3690	CERCA	8.903.272,162	710.376,309	127,346	271°50'18"	158°33'46"	53,98	-0,32
C3691	CERCA	8.903.270,247	710.362,619	127,185	269°50'39"	156°34'07"	67,64	-0,48
E947	EIXO	8.903.273,840	710.361,433	126,688	272°50'08"	159°33'36"	68,91	-0,97
E948	EIXO	8.903.262,270	710.333,531	126,449	265°10'39"	151°54'07"	97,08	-1,21
C3692	CERCA	8.903.256,751	710.336,241	127,003	261°43'19"	148°26'47"	95,01	-0,66
C3693	CERCA	8.903.243,052	710.310,551	126,770	257°07'04"	143°50'32"	122,80	-0,89
E949	EIXO	8.903.248,014	710.307,661	126,223	259°38'19"	146°21'47"	124,63	-1,44

Nome	Descrição	Norte	Este	Cota
TP144	EST	8.903.223,182	710.350,442	129,920

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
C3694	CERCA	8.903.228,892	710.284,720	126,449	274°57'54"	215°35'15"	65,97	-3,47
E950	EIXO	8.903.232,594	710.281,651	126,076	277°47'25"	218°24'46"	69,43	-3,84
E951	EIXO	8.903.216,519	710.254,907	125,600	266°00'37"	206°37'58"	95,77	-4,32
C3695	CERCA	8.903.212,531	710.256,380	125,834	263°32'22"	204°09'43"	94,66	-4,09
C3696	CERCA	8.903.197,641	710.230,862	124,135	257°56'36"	198°33'57"	122,28	-5,79
E952	EIXO	8.903.203,645	710.228,338	124,120	260°54'33"	201°31'54"	123,66	-5,80
E953	EIXO	8.903.187,346	710.201,369	122,127	256°28'58"	197°06'19"	153,32	-7,79
C3697	CERCA	8.903.181,937	710.204,357	121,961	254°14'01"	194°51'22"	151,80	-7,96
C3698	CERCA	8.903.166,003	710.177,316	120,262	251°43'23"	192°20'43"	182,32	-9,66
E954	EIXO	8.903.170,791	710.174,742	120,051	253°23'47"	194°01'07"	183,35	-9,87
E955	EIXO	8.903.160,398	710.152,383	118,780	252°24'42"	193°02'02"	207,77	-11,14
C3699	CERCA	8.903.153,919	710.156,731	119,392	250°19'30"	190°56'50"	205,72	-10,53
C3700	CERCA	8.903.147,386	710.145,985	118,756	249°39'34"	190°16'54"	218,05	-11,16
E956	EIXO	8.903.153,150	710.141,543	118,453	251°28'00"	192°05'20"	220,33	-11,47
E957	EIXO	8.903.139,724	710.129,461	117,834	249°18'36"	189°55'56"	236,22	-12,09
C3701	CERCA	8.903.135,947	710.132,867	117,924	248°09'08"	188°46'28"	234,41	-12,00
C3702	CERCA	8.903.120,760	710.114,888	116,598	246°30'00"	187°07'20"	256,86	-13,32
E958	EIXO	8.903.123,195	710.112,844	116,448	247°10'39"	187°47'59"	257,78	-13,47
E959	EIXO	8.903.107,772	710.081,276	114,334	246°47'31"	187°24'51"	292,87	-15,59
C3703	CERCA	8.903.103,010	710.083,533	114,377	245°45'40"	186°23'00"	292,71	-15,54
C3704	CERCA	8.903.090,539	710.058,785	113,206	245°32'40"	186°10'00"	320,40	-16,71
E960	EIXO	8.903.096,107	710.056,141	112,925	246°38'46"	187°16'06"	320,56	-17,00
E961	EIXO	8.903.082,209	710.030,311	111,781	246°14'00"	186°51'20"	349,80	-18,14
C3705	CERCA	8.903.078,120	710.031,791	111,844	245°31'24"	186°08'44"	350,12	-18,08
C3706	CERCA	8.903.063,385	710.000,399	110,968	245°27'47"	186°05'07"	384,79	-18,95
E962	EIXO	8.903.069,003	709.997,901	110,828	246°22'43"	187°00'03"	384,78	-19,09
E963	EIXO	8.903.056,652	709.973,904	110,399	246°08'31"	186°45'51"	411,72	-19,52
C3707	CERCA	8.903.049,336	709.976,892	109,860	245°02'36"	185°39'56"	412,02	-20,06

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Nome	Descrição	Norte	Este	Cota
TP144	EST	8.903.223,182	710.350,442	129,920

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
C3708	CERCA	8.903.034,792	709.953,104	110,146	244°37'59"	185°15'19"	439,74	-19,77
E964	EIXO	8.903.040,432	709.949,245	110,205	245°30'37"	186°07'57"	440,86	-19,72
E965	EIXO	8.903.020,695	709.919,035	111,511	244°51'23"	185°28'43"	476,56	-18,41
C3709	CERCA	8.903.015,656	709.922,061	112,117	244°09'09"	184°46'29"	476,00	-17,80
C3710	CERCA	8.903.000,722	709.892,740	112,979	244°04'43"	184°42'03"	508,90	-16,94
E966	EIXO	8.903.005,555	709.889,611	112,331	244°43'16"	185°20'36"	509,63	-17,59
E967	EIXO	8.902.993,437	709.865,419	113,144	244°39'15"	185°16'35"	536,69	-16,78
C3711	CERCA	8.902.988,544	709.868,635	113,598	244°02'03"	184°39'23"	535,90	-16,32
C3712	CERCA	8.902.974,283	709.839,931	113,722	244°00'31"	184°37'51"	567,96	-16,20
E968	EIXO	8.902.978,962	709.837,307	113,545	244°32'55"	185°10'15"	568,29	-16,38
E969	EIXO	8.902.966,914	709.806,004	112,927	244°47'37"	185°24'57"	601,74	-16,99
C3713	CERCA	8.902.961,592	709.806,596	112,802	244°18'45"	184°56'05"	603,49	-17,12
C3714	CERCA	8.902.949,103	709.774,159	110,784	244°33'52"	185°11'12"	638,14	-19,14
E970	EIXO	8.902.952,579	709.772,074	111,014	244°55'35"	185°32'55"	638,54	-18,91
E971	EIXO	8.902.928,120	709.733,582	109,819	244°26'13"	185°03'33"	683,80	-20,10
C3715	CERCA	8.902.924,320	709.736,068	109,694	244°03'34"	184°40'54"	683,21	-20,23
C3716	CERCA	8.902.903,336	709.712,570	109,558	243°22'11"	183°59'31"	713,57	-20,36
E972	EIXO	8.902.908,295	709.706,637	109,291	243°56'12"	184°33'32"	716,69	-20,63
E973	EIXO	8.902.888,104	709.688,323	109,289	243°09'27"	183°46'47"	742,08	-20,63
C3717	CERCA	8.902.885,749	709.693,049	109,739	242°49'45"	183°27'05"	738,94	-20,18
C3718	CERCA	8.902.858,642	709.678,836	108,711	241°30'27"	182°07'47"	764,16	-21,21
E974	EIXO	8.902.860,341	709.674,079	108,617	241°47'18"	182°24'38"	767,54	-21,30
E975	EIXO	8.902.829,996	709.658,920	107,940	240°22'42"	181°00'02"	795,49	-21,98
C3719	CERCA	8.902.827,329	709.662,760	108,215	240°04'26"	180°41'46"	793,48	-21,71
C3720	CERCA	8.902.794,954	709.645,786	107,643	238°42'45"	179°20'05"	824,57	-22,28
E976	EIXO	8.902.795,550	709.640,477	107,686	238°56'18"	179°33'38"	828,81	-22,23
E977	EIXO	8.902.764,882	709.623,387	107,074	237°46'29"	178°23'49"	859,45	-22,85
C3721	CERCA	8.902.754,512	709.625,251	106,560	237°07'36"	177°44'56"	863,45	-23,36
C3722	CERCA	8.902.714,145	709.610,252	105,921	235°29'00"	176°06'20"	898,33	-24,00
E978	EIXO	8.902.716,052	709.604,863	105,643	235°46'38"	176°23'58"	901,70	-24,28
E979	EIXO	8.902.694,942	709.595,260	105,411	235°01'40"	175°39'00"	921,60	-24,51
C3723	CERCA	8.902.693,336	709.599,401	105,476	234°47'52"	175°25'12"	919,13	-24,44
C3724	CERCA	8.902.665,846	709.584,797	104,849	233°56'53"	174°34'13"	947,01	-25,07
C3725	CERCA	8.902.668,059	709.582,412	105,067	234°08'28"	174°45'48"	947,65	-24,85
E980	EIXO	8.902.670,415	709.579,035	105,035	234°22'33"	174°59'53"	949,01	-24,89
E981	EIXO	8.902.646,914	709.557,933	104,230	233°58'39"	174°35'59"	979,88	-25,69
C3726	CERCA	8.902.642,657	709.560,275	104,214	233°41'45"	174°19'05"	980,50	-25,71

Nome	Descrição	Norte	Este	Cota
TP145	EST	8.902.670,456	709.583,932	105,200

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
C3727	CERCA	8.902.621,959	709.542,380	103,854	220°35'24"	166°23'07"	63,86	-1,35
E982	EIXO	8.902.624,663	709.539,149	103,938	224°21'43"	170°09'26"	64,05	-1,26
E983	EIXO	8.902.601,889	709.521,017	103,552	222°32'21"	168°20'04"	93,06	-1,65

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Nome	Descrição	Norte	Este	Cota
TP145	EST	8.902.670,456	709.583,932	105,200

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
C3728	CERCA	8.902.598,810	709.524,420	103,363	219°42'53"	165°30'36"	93,14	-1,84
C3729	CERCA	8.902.578,278	709.508,541	102,538	219°16'46"	165°04'29"	119,08	-2,66
E984	EIXO	8.902.582,098	709.505,574	102,503	221°34'04"	167°21'47"	118,10	-2,70
E985	EIXO	8.902.572,799	709.487,670	101,963	224°35'17"	170°23'00"	137,13	-3,24
C3730	CERCA	8.902.568,975	709.490,197	101,964	222°43'41"	168°31'24"	138,15	-3,24

Nome	Descrição	Norte	Este	Cota
TP146	EST	8.902.579,550	709.495,276	102,536

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
C3731	CERCA	8.902.561,713	709.475,754	101,452	227°34'55"	183°17'59"	26,44	-1,08
E986	EIXO	8.902.566,405	709.473,156	101,269	239°16'42"	194°59'46"	25,73	-1,27
E987	EIXO	8.902.549,014	709.451,845	99,675	234°53'22"	190°36'26"	53,09	-2,86
C3732	CERCA	8.902.545,399	709.455,228	99,668	229°32'38"	185°15'42"	52,63	-2,87
C3733	CERCA	8.902.524,873	709.429,419	97,852	230°17'56"	186°01'00"	85,60	-4,68
E988	EIXO	8.902.530,942	709.428,270	98,295	234°02'29"	189°45'33"	82,78	-4,24

Nome	Descrição	Norte	Este	Cota
TP147	EST	8.902.532,506	709.435,997	98,807

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
E989	EIXO	8.902.511,250	709.419,105	96,140	218°28'28"	166°54'37"	27,15	-2,67
C3734	CERCA	8.902.509,640	709.423,783	96,220	208°06'30"	156°32'39"	25,92	-2,59
C3735	CERCA	8.902.486,430	709.415,666	94,312	203°48'33"	152°14'42"	50,36	-4,50
E990	EIXO	8.902.488,301	709.410,841	94,077	209°38'36"	158°04'45"	50,86	-4,73
E991	EIXO	8.902.461,590	709.398,314	92,443	207°59'06"	156°25'15"	80,31	-6,36
C3736	CERCA	8.902.459,137	709.403,096	92,586	204°09'10"	152°35'19"	80,41	-6,22
C3737	CERCA	8.902.434,767	709.388,370	91,149	205°58'45"	154°24'54"	108,72	-7,66
E992	EIXO	8.902.437,985	709.384,869	91,138	208°24'34"	156°50'43"	107,46	-7,67
E993	EIXO	8.902.417,115	709.362,275	90,049	212°34'27"	161°00'36"	136,93	-8,76
C3738	CERCA	8.902.408,649	709.374,030	88,899	206°34'45"	155°00'54"	138,49	-9,91
C3739	CERCA	8.902.382,124	709.362,489	86,469	206°02'59"	154°29'08"	167,39	-12,34
E994	EIXO	8.902.384,568	709.354,364	87,115	208°53'25"	157°19'34"	168,97	-11,69
E995	EIXO	8.902.351,701	709.342,983	83,656	207°13'23"	155°39'32"	203,33	-15,15
C3740	CERCA	8.902.348,747	709.348,412	84,001	205°29'02"	153°55'11"	203,56	-14,81

Nome	Descrição	Norte	Este	Cota
TP148	EST	8.902.343,535	709.345,156	83,769

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
C3741	CERCA	8.902.333,423	709.330,773	82,721	234°53'24"	209°12'57"	17,58	-1,05
E996	EIXO	8.902.338,608	709.328,210	82,860	253°47'16"	228°06'49"	17,65	-0,91
E997	EIXO	8.902.328,047	709.310,984	82,069	245°37'07"	219°56'40"	37,52	-1,70
C3742	CERCA	8.902.323,306	709.314,243	82,021	236°47'59"	211°07'32"	36,94	-1,75
C3743	CERCA	8.902.313,834	709.296,922	81,491	238°22'36"	212°42'09"	56,65	-2,28

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Nome	Descrição	Norte	Este	Cota
TP148	EST	8.902.343,535	709.345,156	83,769

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
E998	EIXO	8.902.317,013	709.295,531	81,343	241°52'40"	216°12'13"	56,27	-2,43
E999	EIXO	8.902.305,361	709.269,439	80,660	243°14'39"	217°34'12"	84,80	-3,11
C3744	CERCA	8.902.301,287	709.271,023	80,482	240°19'18"	214°38'51"	85,33	-3,29
C3745	CERCA	8.902.290,366	709.245,096	79,939	242°00'54"	216°20'27"	113,31	-3,83
E3000	EIXO	8.902.294,364	709.243,620	80,084	244°09'38"	218°29'11"	112,82	-3,68
E3001	EIXO	8.902.282,795	709.216,806	79,745	244°40'29"	219°00'02"	142,00	-4,02
C3746	CERCA	8.902.277,851	709.218,907	79,639	242°30'47"	216°50'20"	142,31	-4,13
C3747	CERCA	8.902.270,226	709.205,700	79,380	242°16'12"	216°35'45"	157,55	-4,39
E3002	EIXO	8.902.274,477	709.202,874	79,623	244°06'35"	218°26'08"	158,16	-4,15
E3003	EIXO	8.902.255,753	709.184,687	78,703	241°19'11"	215°38'44"	182,91	-5,07

Nome	Descrição	Norte	Este	Cota
TP149	EST	8.902.255,072	709.178,758	79,086

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
C3748	CERCA	8.902.253,211	709.190,415	78,534	99°04'07"	37°03'55"	11,80	-0,55
C3749	CERCA	8.902.226,933	709.172,674	77,267	192°11'59"	130°11'47"	28,79	-1,82
E3004	EIXO	8.902.229,644	709.168,697	77,371	201°35'14"	139°35'02"	27,35	-1,71
E3005	EIXO	8.902.202,248	709.156,944	76,427	202°26'17"	140°26'05"	57,15	-2,66
C3750	CERCA	8.902.200,143	709.162,472	76,193	196°30'53"	134°30'41"	57,29	-2,89
C3751	CERCA	8.902.163,792	709.155,385	73,578	194°21'44"	132°21'32"	94,22	-5,51
E3006	EIXO	8.902.165,040	709.148,998	73,612	198°17'28"	136°17'16"	94,82	-5,47

Nome	Descrição	Norte	Este	Cota
TP197	EST	8.902.150,255	709.151,901	72,549

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
E3007	EIXO	8.902.132,897	709.147,595	71,383	193°55'48"	179°33'30"	17,88	-1,17
C3752	CERCA	8.902.132,849	709.153,532	71,719	174°38'38"	160°16'20"	17,48	-0,83
C3753	CERCA	8.902.104,313	709.154,818	70,140	176°22'00"	161°59'42"	46,03	-2,41
AV3000	ARVORE	8.902.100,859	709.147,320	69,787	185°17'52"	170°55'34"	49,61	-2,76
E3008	EIXO	8.902.101,163	709.150,734	69,698	181°21'38"	166°59'20"	49,11	-2,85
E3009	EIXO	8.902.083,180	709.148,979	69,395	182°29'37"	168°07'19"	67,14	-3,15
C3754	CERCA	8.902.082,018	709.153,230	69,660	178°53'00"	164°30'42"	68,25	-2,89
C3755	CERCA	8.902.060,328	709.146,458	69,012	183°27'48"	169°05'30"	90,09	-3,54
E3010	EIXO	8.902.060,994	709.143,430	68,951	185°25'16"	171°02'58"	89,66	-3,60

Nome	Descrição	Norte	Este	Cota
TP196	EST	8.902.029,085	709.137,204	67,937

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
C3756	CERCA	8.902.037,123	709.139,382	68,119	15°09'34"	8°14'39"	8,33	0,18
E3011	EIXO	8.902.038,814	709.135,342	68,319	349°09'51"	342°14'56"	9,91	0,38
E3012	EIXO	8.902.016,520	709.128,394	66,982	215°02'12"	208°07'17"	15,35	-0,95
C3757	CERCA	8.902.015,102	709.135,042	67,119	188°47'28"	181°52'33"	14,15	-0,82

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Nome	Descrição	Norte	Este	Cota
TP196	EST	8.902.029,085	709.137,204	67,937

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
C3758	CERCA	8.901.997,020	709.131,478	65,883	190°07'30"	183°12'35"	32,57	-2,05
E3013	EIXO	8.901.996,214	709.125,688	65,794	199°18'24"	192°23'29"	34,83	-2,14
E3014	EIXO	8.901.969,957	709.126,728	63,875	190°02'50"	183°07'55"	60,05	-4,06
C3759	CERCA	8.901.972,642	709.133,801	63,915	183°27'00"	176°32'05"	56,55	-4,02
C3760	CERCA	8.901.943,321	709.136,580	61,616	180°25'00"	173°30'05"	85,77	-6,32
E3015	EIXO	8.901.942,999	709.131,867	61,749	183°32'52"	176°37'57"	86,25	-6,19
E3016	EIXO	8.901.916,484	709.122,193	60,600	187°35'36"	180°40'41"	113,60	-7,34
C3761	CERCA	8.901.914,512	709.125,921	60,439	185°37'28"	178°42'33"	115,13	-7,50
C3762	CERCA	8.901.891,688	709.118,456	59,753	187°46'12"	180°51'17"	138,67	-8,18
E3017	EIXO	8.901.892,914	709.114,660	59,896	189°24'01"	182°29'06"	138,03	-8,04
C3763	CERCA	8.901.863,512	709.109,949	58,993	189°20'51"	182°25'56"	167,80	-8,94
E3018	EIXO	8.901.864,416	709.106,123	59,375	190°41'19"	183°46'24"	167,58	-8,56