

Irradiações

Local:

Página: 1

Nome	Descrição	X	Y	Z
J3		625.624,59165	8.897.759,79063	146,07580

Nome	Descrição	Azimute	Distância	X	Y
AX1	AX	183°54'59,2"	45,75931	625.621,46622	8.897.714,13818
AX2	AX	71°57'39,2"	155,65035	625.772,59105	8.897.807,99030
1	12	205°25'18,2"	29,33695	625.611,99796	8.897.733,29430
2	12	207°13'44,2"	26,39074	625.612,51664	8.897.736,32437
3	12	200°37'48,2"	23,24479	625.616,40176	8.897.738,03641
4	12	193°23'45,2"	24,41328	625.618,93563	8.897.736,04157
5	11	205°23'18,2"	25,78155	625.613,53776	8.897.736,49900
6	11	201°53'12,2"	24,11062	625.615,60387	8.897.737,41784
7	3	193°47'10,2"	24,45498	625.618,76406	8.897.736,04015
8	F11	201°31'55,2"	24,21309	625.615,70494	8.897.737,26730
9	F11	205°15'46,2"	25,99808	625.613,49642	8.897.736,27902
10	3	205°03'23,2"	29,08802	625.612,27256	8.897.733,44005
11	3	192°30'33,2"	23,63889	625.619,47155	8.897.736,71290
12	3	207°47'18,2"	31,30460	625.609,99722	8.897.732,09622
13	2	250°09'28,2"	43,19556	625.583,96056	8.897.745,12874
14	2	263°19'25,2"	44,01688	625.580,87326	8.897.754,67320
15	1	256°26'10,2"	43,08292	625.582,71035	8.897.749,68645
16	2	248°53'55,2"	26,81990	625.599,57015	8.897.750,13496
17	2	269°16'20,2"	29,02834	625.595,56566	8.897.759,42194
18	1	259°05'26,2"	27,71598	625.597,37656	8.897.754,54520
19	2	76°10'10,2"	2,88997	625.627,39783	8.897.760,48148
20	1	12°14'46,2"	6,12073	625.625,88993	8.897.765,77208
21	2	356°18'35,2"	10,28283	625.623,92982	8.897.770,05214
22	2	69°22'08,2"	65,97888	625.686,33922	8.897.783,03823
23	2	60°30'30,2"	66,77590	625.682,71525	8.897.792,66416
24	1	64°55'42,2"	66,36600	625.684,70456	8.897.787,91328
25	M	185°25'46,2"	32,57249	625.621,50962	8.897.727,36428
26	M	218°21'04,2"	33,73533	625.603,65957	8.897.733,33462
27	M	233°12'36,2"	54,27600	625.581,12546	8.897.727,28565

Nome	Descrição	X	Y	Z
M3		625.636,26099	8.897.631,32824	149,36661

Irradiações

Local:

Página: 2

Cota
146,5380
150,0536
145,4460
145,9253
145,9432
145,4279
145,0147
145,1003
144,4677
144,0183
143,9335
144,3671
145,4622
145,2745
146,2363
145,9380
146,1246
146,1147
145,8454
146,0101
146,0286
145,9843
145,7864
146,1665
145,9278
146,0621
146,2240
145,2339
145,2346

Irradiações

Local:

Página: 3

Nome	Descrição	Azimute	Distância	X	Y
AX3	AX	324°36'54,6"	47,82220	625.608,56880	8.897.670,31678
1	M	277°31'18,6"	22,32384	625.614,12924	8.897.634,25052
2	M	227°15'58,6"	32,53182	625.612,36588	8.897.609,25240
3	10	206°23'35,6"	41,61481	625.617,76200	8.897.594,05118

Nome	Descrição	X	Y	Z
M22		625.498,28556	8.897.708,44649	150,25096

Nome	Descrição	Azimute	Distância	X	Y
AX4	AX	69°26'07,5"	35,06703	625.531,11801	8.897.720,76424
1	M	100°23'16,5"	40,16745	625.537,79464	8.897.701,20383

Nome	Descrição	X	Y	Z
AX4		625.531,11801	8.897.720,76424	147,23751

Irradiações

Local:

Página: 4

Cota
147,2130
148,0872
149,5652
150,4194

Cota
147,2375
146,2889

Irradiações

Local:

Página: 5

Nome	Descrição	Azimute	Distância	X	Y
AX5	AX	123°58'46,5"	35,35551	625.560,43610	8.897.701,00414
1	2	227°38'49,5"	60,45744	625.486,43941	8.897.680,03435
2	1	230°45'09,5"	62,31687	625.482,85847	8.897.681,33825
3	2	233°37'11,5"	63,59288	625.479,91942	8.897.683,04477
4	2	243°23'35,5"	46,00364	625.489,98611	8.897.700,16081
5	1	239°32'04,5"	44,89157	625.492,42438	8.897.698,00340
6	2	235°14'46,5"	43,26350	625.495,57230	8.897.696,10186
7	2	239°15'26,5"	31,91652	625.503,68665	8.897.704,44907
8	1	246°26'25,5"	32,05632	625.501,73375	8.897.707,95125
9	2	251°48'11,5"	32,80909	625.499,94972	8.897.710,51856
10	2	261°16'35,5"	21,42741	625.509,93847	8.897.717,51444
11	1	253°23'56,5"	20,26676	625.511,69602	8.897.714,97394
12	2	243°53'51,5"	19,30966	625.513,77775	8.897.712,26845
13	2	241°03'19,5"	4,26392	625.527,38671	8.897.718,70066
14	1	284°30'38,5"	4,84211	625.526,43036	8.897.721,97749
15	2	305°52'17,5"	7,08137	625.525,37974	8.897.724,91371
16	2	9°34'26,5"	7,54774	625.532,37336	8.897.728,20686
17	2	11°23'03,5"	9,69327	625.533,03135	8.897.730,26680
18	2	7°47'31,5"	12,92670	625.532,87059	8.897.733,57159
19	2	0°51'25,5"	14,79122	625.531,33926	8.897.735,55381
20	2	341°45'46,5"	15,32556	625.526,32188	8.897.735,32000
21	1	340°17'17,5"	20,96253	625.524,04757	8.897.740,49839
22	2	339°06'57,5"	25,91231	625.521,88085	8.897.744,97421
23	2	65°31'03,5"	4,53173	625.535,24228	8.897.722,64225
24	2	56°10'22,5"	12,12853	625.541,19344	8.897.727,51606
25	2	52°48'55,5"	20,11862	625.547,14636	8.897.732,92363
26	2	50°42'21,5"	26,68436	625.551,76920	8.897.737,66345
27	2	58°18'06,5"	36,38295	625.562,07363	8.897.739,88148
28	1	33°52'27,5"	25,72714	625.545,45761	8.897.742,12452
29	1	40°33'51,5"	17,35602	625.542,40465	8.897.733,94921
30	1	40°40'09,5"	10,57513	625.538,00974	8.897.728,78531
31	1	20°00'36,5"	3,89154	625.532,44964	8.897.724,42086
32	M	85°23'27,5"	47,43783	625.578,40244	8.897.724,57616
33	M	121°46'02,5"	23,00328	625.550,67523	8.897.708,65367

Nome	Descrição	X	Y	Z
AX3		625.608,56880	8.897.670,31678	147,21299

Irradiações

Local:

Página: 6

Cota
144,3320
151,3287
151,4742
151,4561
150,8224
150,7284
150,4273
149,6422
149,9195
150,0735
149,1607
148,9903
148,7137
147,5054
147,6575
147,6836
146,9701
147,1584
147,3650
147,6910
147,9876
148,0566
147,8666
146,9175
146,5389
146,7325
146,7797
146,5614
146,9678
147,0157
146,7556
147,1709
145,1394
145,1226

Irradiações

Local:

Página: 7

Nome	Descrição	Azimute	Distância	X	Y
AX6	AX	332°36'14,6"	14,63641	625.601,83405	8.897.683,31168
1	4	331°59'53,6"	24,50447	625.597,06397	8.897.691,95258
2	3	332°06'02,6"	29,41597	625.594,80452	8.897.696,31377
3	NA	332°02'47,6"	29,47673	625.594,75146	8.897.696,35442
4	3	332°01'34,6"	32,87295	625.593,14919	8.897.699,34894
5	4	331°53'53,6"	37,36591	625.590,96799	8.897.703,27770

Nome	Descrição	X	Y	Z
AX6		625.601,83405	8.897.683,31168	146,05424

Nome	Descrição	Azimute	Distância	X	Y
AX7	AX	218°38'42,6"	31,65063	625.582,06838	8.897.658,59164

Nome	Descrição	X	Y	Z
AX7		625.582,06838	8.897.658,59164	144,91158

Nome	Descrição	Azimute	Distância	X	Y
AX8	AX	190°10'50,6"	16,86916	625.579,08670	8.897.641,98808
1	3	237°11'38,6"	12,44768	625.571,60597	8.897.651,84754
2	4	237°22'57,6"	11,37025	625.572,49133	8.897.652,46278

Nome	Descrição	X	Y	Z
AX8		625.579,08670	8.897.641,98808	144,99000

Nome	Descrição	Azimute	Distância	X	Y
AX9	AX	232°44'01,6"	12,77425	625.568,92056	8.897.634,25302

Nome	Descrição	X	Y	Z
AX9		625.568,92056	8.897.634,25302	144,48062

Irradiações

Local:

Página: 8

Cota
146,0542
145,7618
143,9456
144,1012
144,1861
144,7753

Cota
144,9116

Cota
144,9900
143,9523
144,2043

Cota
144,4806

Irradiações

Local:

Página: 9

Nome	Descrição	Azimute	Distância	X	Y
AX10	AX	232°58'16,6"	14,74676	625.557,14772	8.897.625,37229
1	4	301°54'56,6"	15,21232	625.556,00794	8.897.642,29533
2	4	301°31'44,6"	15,38800	625.555,80421	8.897.642,29988
3	NA	301°10'59,6"	15,64015	625.555,54016	8.897.642,35112
4	3	301°23'40,6"	19,76045	625.552,05304	8.897.644,54682
5	4	301°18'33,6"	20,67800	625.551,25381	8.897.644,99851
6	4	324°22'01,6"	18,63577	625.558,06355	8.897.649,39955
6	3	324°19'55,6"	18,69698	625.558,01861	8.897.649,44264
7	4	325°23'39,6"	17,95393	625.558,72407	8.897.649,03055
8	3	320°39'03,6"	22,76461	625.554,48683	8.897.651,85685
9	4	320°45'40,6"	23,35763	625.554,14562	8.897.652,34390

Nome	Descrição	X	Y	Z
AX10		625.557,14772	8.897.625,37229	144,68361

Nome	Descrição	Azimute	Distância	X	Y
AX11	AX	140°49'23,6"	17,69392	625.568,32525	8.897.611,65596
1	4	271°08'40,6"	22,18530	625.534,96685	8.897.625,81546
2	3	271°01'17,6"	22,76151	625.534,38983	8.897.625,77809
3	NA	270°51'53,6"	23,39129	625.533,75910	8.897.625,72537
4	4	215°32'08,6"	11,24259	625.550,61342	8.897.616,22360
5	4	215°32'07,6"	11,26185	625.550,60227	8.897.616,20789
6	3	215°18'45,6"	11,79286	625.550,33100	8.897.615,74920
7	3	268°39'45,6"	26,50984	625.530,64510	8.897.624,75358
8	4	268°21'55,6"	27,28666	625.529,87217	8.897.624,59395
9	4	300°32'50,6"	6,08262	625.551,90932	8.897.628,46379
10	3	300°06'04,6"	6,94499	625.551,13933	8.897.628,85542
11	3	216°18'06,6"	15,49592	625.547,97354	8.897.612,88399
12	4	215°52'08,6"	15,50645	625.548,06196	8.897.612,80652
33	4	308°34'18,6"	10,02637	625.549,30884	8.897.631,62369
33	3	308°34'18,6"	10,01541	625.549,31741	8.897.631,61685
34	4	308°59'25,6"	10,15711	625.549,25310	8.897.631,76305

Nome	Descrição	X	Y	Z
AX11		625.568,32525	8.897.611,65596	145,49975

Irradiações

Local:

Página: 10

Cota
144,6836
144,2827
144,1786
144,1861
144,1790
144,4360
144,3348
144,3962
144,4752
144,1750
144,2946

Cota
145,4998
144,4391
144,1635
144,1992
144,5192
144,5574
144,2352
144,2065
144,4789
144,5472
143,6855
143,9094
144,2837
143,7346
143,7355
144,1038

Nome	Descrição	Azimute	Distância	X	Y
AX12	AX	200°43'25,6"	19,80040	625.561,31862	8.897.593,13669
1	4	300°20'33,6"	9,04818	625.560,51649	8.897.616,22683
2	4	263°42'56,6"	5,70994	625.562,64962	8.897.611,03094
3	3	293°58'21,6"	8,74614	625.560,33355	8.897.615,20952
4	3	263°50'00,6"	6,63471	625.561,72893	8.897.610,94327
5	3	262°37'27,6"	9,30651	625.559,09574	8.897.610,46124
6	4	263°43'17,6"	10,17284	625.558,21342	8.897.610,54345
7	4	276°11'25,6"	9,50463	625.558,87604	8.897.612,68087
8	3	279°30'18,6"	9,23451	625.559,21752	8.897.613,18091

Nome	Descrição	X	Y	Z
AX12		625.561,31862	8.897.593,13669	146,28824

Nome	Descrição	Azimute	Distância	X	Y
AX13	AX	262°12'48,6"	18,11232	625.543,37331	8.897.590,68280
AX14	AX	186°49'16,6"	14,83380	625.559,55678	8.897.578,40790
1	4	224°07'28,6"	5,65857	625.557,37901	8.897.589,07482
2	3	220°10'26,6"	6,60139	625.557,05999	8.897.588,09265
3	3	219°59'54,6"	8,91926	625.555,58561	8.897.586,30399
4	4	219°59'51,6"	9,57271	625.555,16571	8.897.585,80332

Nome	Descrição	X	Y	Z
AX14		625.559,55678	8.897.578,40790	144,94672

Nome	Descrição	Azimute	Distância	X	Y
AX15	AX	207°16'15,6"	21,01965	625.549,92558	8.897.559,72460
1	4	317°29'50,6"	3,56741	625.557,14655	8.897.581,03796
2	3	315°50'41,6"	4,44139	625.556,46289	8.897.581,59440
3	3	316°16'46,6"	5,86646	625.555,50223	8.897.582,64771
4	4	315°38'41,6"	7,10489	625.554,58972	8.897.583,48804
5	NA	316°34'23,6"	5,96831	625.555,45400	8.897.582,74240
6	4	245°28'42,6"	12,96195	625.547,76392	8.897.573,02824
7	3	244°57'26,6"	11,99084	625.548,69316	8.897.573,33227
8	4	243°07'57,6"	9,61754	625.550,97740	8.897.574,06148
9	3	244°03'20,6"	10,58723	625.550,03653	8.897.573,77602

Nome	Descrição	X	Y	Z
AX15		625.549,92558	8.897.559,72460	144,74987

Irradiações

Local:

Página: 12

Cota
146,2882
144,6746
144,4940
143,8315
143,9083
143,5585
144,4359
144,3667
143,7563

Cota
144,6842
144,9467
144,9583
143,7953
143,8605
144,7129

Cota
144,7499
144,5967
143,8429
143,9924
144,6023
144,1736
144,5904
143,9270
144,7039
143,9080

Nome	Descrição	Azimute	Distância	X	Y
AX16	AX	158°30'04,6"	27,56709	625.560,02839	8.897.534,07547
1	4	265°50'23,6"	5,38746	625.544,55232	8.897.559,33377
2	3	270°43'38,6"	6,16751	625.543,75857	8.897.559,80289
3	3	273°36'04,6"	6,48779	625.543,45060	8.897.560,13211
4	4	275°28'34,6"	6,84059	625.543,11621	8.897.560,37742
5	4	245°11'24,6"	19,09945	625.532,58891	8.897.551,71031
6	3	245°00'46,6"	20,51989	625.531,32629	8.897.551,05671
7	3	245°46'31,6"	21,30437	625.530,49718	8.897.550,98311
8	4	246°17'16,6"	21,56643	625.530,17984	8.897.551,05186
9	NA	245°56'30,6"	21,27724	625.530,49665	8.897.551,05063
10	4	184°30'23,6"	13,80086	625.548,84121	8.897.545,96641
10	4	184°20'34,6"	13,66813	625.548,89055	8.897.546,09571
11	3	185°13'56,6"	14,45652	625.548,60722	8.897.545,32831
12	3	207°26'15,6"	21,97156	625.539,80146	8.897.540,22456
13	4	207°18'13,6"	22,20816	625.539,73852	8.897.539,99071
14	3	209°50'20,6"	19,72780	625.540,10972	8.897.542,61218
15	4	209°50'21,6"	19,74381	625.540,10167	8.897.542,59834
16	3	208°30'22,6"	20,38614	625.540,19620	8.897.541,80997
17	4	219°41'33,6"	12,42213	625.541,99195	8.897.550,16600
18	3	215°10'48,6"	12,25593	625.542,86434	8.897.549,70728
19	3	209°50'54,6"	12,14522	625.543,88081	8.897.549,19050
20	4	208°20'43,6"	12,34098	625.544,06626	8.897.548,86329
21	4	202°50'45,6"	12,54776	625.545,05385	8.897.548,16119
22	3	202°29'33,6"	12,23825	625.545,24366	8.897.548,41733
23	3	201°27'35,6"	11,23718	625.545,81446	8.897.549,26644
24	4	200°22'10,6"	10,29107	625.546,34352	8.897.550,07706
25	4	187°36'11,6"	17,20286	625.547,64944	8.897.542,67298
26	3	185°54'14,6"	16,48857	625.548,22952	8.897.543,32349

Nome	Descrição	X	Y	Z
AX16		625.560,02839	8.897.534,07547	145,00357

Irradiações

Local:

Página: 14

Cota
145,0036
144,6023
143,8422
143,8385
144,5401
144,8241
144,1020
143,8893
144,8361
144,3364
144,8566
144,9051
144,4113
144,1070
144,8721
144,7680
144,7649
144,3376
144,8259
144,2931
144,5416
144,7022
144,7566
144,1902
144,3860
144,8171
145,0563
144,1515

Irradiações

Local:

Página: 15

Nome	Descrição	Azimute	Distância	X	Y
AX17	AX	220°07'41,6"	30,20313	625.540,56246	8.897.510,98203
1	4	325°21'10,6"	8,04561	625.555,45430	8.897.540,69435
2	3	325°29'31,6"	8,39382	625.555,27312	8.897.540,99238
3	3	318°50'40,6"	9,01502	625.554,09557	8.897.540,86312
4	4	316°35'41,6"	9,22032	625.553,69263	8.897.540,77415
5	4	264°28'30,6"	6,32472	625.553,73305	8.897.533,46654
6	3	264°39'34,6"	5,70081	625.554,35233	8.897.533,54488
7	3	263°34'30,6"	4,65166	625.555,40594	8.897.533,55495
8	4	267°14'01,6"	3,49230	625.556,54015	8.897.533,90693
9	4	205°36'56,6"	11,21198	625.555,18108	8.897.523,96547
10	3	209°01'51,6"	11,24449	625.554,57163	8.897.524,24377
11	3	215°59'44,6"	11,07456	625.553,51959	8.897.525,11547
12	4	220°48'20,6"	11,20679	625.552,70479	8.897.525,59271
13	NA	216°12'20,6"	10,94171	625.553,56527	8.897.525,24659

Nome	Descrição	X	Y	Z
AX17		625.540,56246	8.897.510,98203	145,25241

Irradiações

Local:

Página: 16

Cota
145,2524
144,7670
144,1473
144,1103
144,7403
145,0439
144,3194
144,2304
145,0538
144,9364
144,2047
144,2949
145,0809
144,6483

Irradiações

Local:

Página: 17

Nome	Descrição	Azimute	Distância	X	Y
AX18	AX	176°37'46,6"	25,57480	625.542,06602	8.897.485,45147
1	4	237°36'54,6"	3,33391	625.537,74708	8.897.509,19637
2	3	241°52'19,6"	4,24664	625.536,81737	8.897.508,97999
3	3	252°53'03,6"	5,25196	625.535,54310	8.897.509,43637
4	4	255°03'22,6"	6,07557	625.534,69238	8.897.509,41532
5	4	296°01'18,6"	13,77781	625.528,18135	8.897.517,02654
6	3	293°05'09,6"	14,04686	625.527,64051	8.897.516,48997
7	3	290°55'44,6"	14,98120	625.526,56967	8.897.516,33349
8	4	289°23'50,6"	15,17151	625.526,25212	8.897.516,02076
9	4	298°57'34,6"	14,62370	625.527,76729	8.897.518,06272
10	3	299°53'46,6"	15,19414	625.527,39022	8.897.518,55526
11	3	301°27'55,6"	16,36404	625.526,60467	8.897.519,52380
12	4	301°48'50,6"	17,22505	625.525,92524	8.897.520,06246
13	4	301°40'02,6"	7,66068	625.534,04238	8.897.515,00379
14	3	297°40'34,6"	7,64705	625.533,79034	8.897.514,53389
15	3	289°37'19,6"	7,85935	625.533,15952	8.897.513,62132
16	4	288°41'25,6"	7,84187	625.533,13415	8.897.513,49499
17	NA	297°33'49,6"	7,50163	625.533,91230	8.897.514,45330
18	4	329°34'47,6"	7,50342	625.536,76321	8.897.517,45250
19	3	331°13'35,6"	7,89001	625.536,76463	8.897.517,89785
20	3	334°12'23,6"	9,10306	625.536,60146	8.897.519,17814
21	4	335°46'54,6"	9,33033	625.536,73505	8.897.519,49120
22	4	34°01'52,6"	12,74893	625.547,69734	8.897.521,54748
23	3	35°50'13,6"	12,58509	625.547,93082	8.897.521,18457
24	3	40°29'55,6"	11,92276	625.548,30548	8.897.520,04834
25	4	42°55'00,6"	11,58298	625.548,44973	8.897.519,46474

Nome	Descrição	X	Y	Z
AX18		625.542,06602	8.897.485,45147	145,26175

Irradiações

Local:

Página: 18

Cota
145,2617
145,1350
144,4115
144,3498
145,2319
145,0876
144,4259
144,2630
144,8845
145,0656
144,3631
144,1688
145,3399
145,0899
144,1302
144,1975
144,9048
144,7113
145,0661
144,3346
144,1578
144,9829
144,8796
144,2912
144,3680
144,7560

Nome	Descrição	Azimute	Distância	X	Y
AX19	AX	219°53'29,6"	17,39379	625.530,91075	8.897.472,10591
1	4	227°02'46,6"	5,30894	625.538,18039	8.897.481,83392
2	3	227°15'07,6"	5,06147	625.538,34915	8.897.482,01588
3	3	225°41'09,6"	3,97552	625.539,22145	8.897.482,67421
4	4	224°09'01,6"	3,21507	625.539,82658	8.897.483,14461
5	4	316°44'07,6"	5,76404	625.538,11554	8.897.489,64882
6	3	311°28'08,6"	6,06802	625.537,51917	8.897.489,46981
7	3	302°53'53,6"	7,14232	625.536,06906	8.897.489,33081
8	4	300°53'05,6"	7,56795	625.535,57120	8.897.489,33621

Nome	Descrição	X	Y	Z
AX19		625.530,91075	8.897.472,10591	145,46554

Nome	Descrição	Azimute	Distância	X	Y
AX20	AX	227°23'10,6"	9,95012	625.523,58811	8.897.465,36916
1	4	64°02'21,6"	5,54299	625.535,89442	8.897.474,53238
2	4	41°34'18,6"	5,19095	625.534,35525	8.897.475,98939
3	3	43°23'10,6"	5,57861	625.534,74278	8.897.476,16011
4	3	58°24'44,6"	5,85627	625.535,89936	8.897.475,17344
5	3	237°12'30,6"	5,91289	625.525,94010	8.897.468,90359
6	3	242°01'08,6"	5,99568	625.525,61594	8.897.469,29287
7	4	247°19'15,6"	6,25760	625.525,13699	8.897.469,69318
8	4	233°21'41,6"	5,75433	625.526,29338	8.897.468,67194

Nome	Descrição	X	Y	Z
AX20		625.523,58811	8.897.465,36916	145,77407

Nome	Descrição	Azimute	Distância	X	Y
AX21	AX	211°30'07,6"	31,35639	625.507,20347	8.897.438,63405
1	3	208°58'10,6"	17,53863	625.515,09336	8.897.450,02502
2	3	207°24'32,6"	17,61816	625.515,47777	8.897.449,72876
3	4	209°42'32,6"	17,56892	625.514,88103	8.897.450,10962
4	4	205°47'38,6"	17,85589	625.515,81835	8.897.449,29236
5	4	306°30'00,6"	1,86173	625.522,09155	8.897.466,47656
6	3	309°40'46,6"	3,09517	625.521,20599	8.897.467,34541
7	3	310°38'23,6"	3,93871	625.520,59935	8.897.467,93445
8	4	313°36'49,6"	4,31679	625.520,46273	8.897.468,34686
9	NA	310°46'42,6"	3,35100	625.521,05060	8.897.467,55782

Irradiações

Local:

Página: 20

Cota
145,4655
145,1878
144,8031
144,7121
145,3701
145,3788
144,8496
144,6312
145,0665

Cota
145,7741
145,3178
145,3069
145,2647
145,1518
145,3660
145,3922
145,5369
145,5624

Cota
145,8372
145,1325
145,0830
145,6952
145,5791
145,6728
145,4681
145,4572
145,7431
145,6414

Nome	Descrição	X	Y	Z
AX21		625.507,20347	8.897.438,63405	145,83724

Nome	Descrição	Azimute	Distância	X	Y
AX22	AX	261°59'31,6"	25,26535	625.482,18448	8.897.435,11434
1	4	31°40'49,6"	7,99740	625.511,40355	8.897.445,43975
2	3	30°26'11,6"	8,45412	625.511,48619	8.897.445,92311
3	3	26°30'29,6"	9,44078	625.511,41714	8.897.447,08232
4	4	26°48'39,6"	9,62671	625.511,54558	8.897.447,22588
5	4	340°49'52,6"	5,08298	625.505,53446	8.897.443,43520
6	3	337°51'16,6"	5,38631	625.505,17305	8.897.443,62301
7	3	335°05'07,6"	6,22246	625.504,58215	8.897.444,27742
8	4	334°05'09,6"	6,49300	625.504,36588	8.897.444,47418
9	4	258°08'55,6"	7,59500	625.499,77036	8.897.437,07425
10	3	257°26'58,6"	8,81263	625.498,60141	8.897.436,71907
11	3	257°15'18,6"	10,34768	625.497,11073	8.897.436,35125
12	4	257°46'59,6"	11,75998	625.495,70981	8.897.436,14550
13	NA	257°30'27,6"	10,42984	625.497,02055	8.897.436,37798
14	4	225°59'47,6"	13,61098	625.497,41311	8.897.429,17847
15	3	225°12'13,6"	12,44186	625.498,37451	8.897.429,86767
16	3	223°15'34,6"	10,81058	625.499,79492	8.897.430,76118
17	4	219°36'47,6"	9,60566	625.501,07889	8.897.431,23417

Nome	Descrição	X	Y	Z
AX22		625.482,18448	8.897.435,11434	146,02464

Nome	Descrição	Azimute	Distância	X	Y
AX23	AX	262°20'10,6"	16,10394	625.466,22438	8.897.432,96673
1	4	269°37'04,6"	3,97394	625.478,21063	8.897.435,08784
2	3	263°56'28,6"	3,96897	625.478,23768	8.897.434,69542
3	3	237°22'54,6"	3,36526	625.479,34999	8.897.433,30034
4	4	231°13'24,6"	3,71324	625.479,28966	8.897.432,78880

Nome	Descrição	X	Y	Z
AX23		625.466,22438	8.897.432,96673	145,99754

Cota
146,0246
145,6380
145,2018
145,2759
145,6619
145,7506
145,2524
145,0426
145,7382
145,4342
145,1989
145,2311
145,7605
145,6787
145,7159
145,2096
145,1974
145,6549

Cota
145,9975
145,9754
145,4102
145,4830
145,6111

Irradiações

Local:

Página: 23

Nome	Descrição	Azimute	Distância	X	Y
AX24	AX	218°13'03,6"	21,99028	625.452,62008	8.897.415,68971
1	4	103°18'58,6"	5,85494	625.471,92190	8.897.431,61819
2	3	101°37'08,6"	6,80384	625.472,88880	8.897.431,59642
3	3	105°36'28,6"	7,61088	625.473,55461	8.897.430,91900
4	4	106°06'13,6"	7,91838	625.473,83206	8.897.430,77035
5	4	152°23'19,6"	8,92899	625.470,36270	8.897.425,05465
5	4	160°29'14,6"	13,31194	625.470,67076	8.897.420,41933
6	3	160°29'14,6"	13,66854	625.470,78987	8.897.420,08321
7	3	161°05'25,6"	15,62827	625.471,28912	8.897.418,18190
8	4	161°43'50,6"	16,08517	625.471,26682	8.897.417,69236
9	NA	161°33'33,6"	15,76580	625.471,21146	8.897.418,01048

Nome	Descrição	X	Y	Z
AX24		625.452,62008	8.897.415,68971	146,21054

Nome	Descrição	Azimute	Distância	X	Y
AX25	AX	204°35'40,6"	16,32850	625.445,82424	8.897.400,84261
1	4	138°37'53,6"	4,30644	625.455,46621	8.897.412,45783
2	3	141°35'22,6"	5,23962	625.455,87541	8.897.411,58405
3	3	141°33'39,6"	6,41096	625.456,60565	8.897.410,66820
4	4	142°08'54,6"	7,50164	625.457,22322	8.897.409,76639
5	4	189°24'36,6"	10,24317	625.450,94532	8.897.405,58438
6	3	186°04'55,6"	10,30620	625.451,52811	8.897.405,44152
7	4	175°24'19,6"	9,51294	625.453,38211	8.897.406,20735
8	3	177°41'46,6"	9,53486	625.453,00335	8.897.406,16256

Nome	Descrição	X	Y	Z
AX25		625.445,82424	8.897.400,84261	146,17401

Nome	Descrição	Azimute	Distância	X	Y
AX26	AX	150°36'19,6"	16,81819	625.454,07897	8.897.386,18958

Nome	Descrição	X	Y	Z
AX26		625.454,07897	8.897.386,18958	146,26730

Irradiações

Local:

Página: 24

Cota
146,2105
146,0908
145,3050
145,4555
145,6373
145,9194
145,9754
145,5862
145,5123
145,7718
145,7413

Cota
146,1740
145,9307
145,6194
145,5787
145,7908
145,8527
145,5327
145,9042
145,6289

Cota
146,2673

Nome	Descrição	Azimute	Distância	X	Y
AX27	AX	175°46'10,6"	22,37300	625.455,72936	8.897.363,87754
1	4	39°02'55,6"	8,68919	625.459,55300	8.897.392,93769
2	3	39°49'16,6"	9,21980	625.459,98328	8.897.393,27081
3	3	41°55'34,6"	11,70755	625.461,90164	8.897.394,90006
4	4	41°35'49,6"	12,15915	625.462,15128	8.897.395,28258
5	4	109°25'30,6"	5,91360	625.459,65595	8.897.384,22286
6	3	109°52'48,6"	6,25712	625.459,96320	8.897.384,06182
7	3	177°20'02,6"	8,46273	625.454,47259	8.897.377,73601
8	3	108°20'25,6"	8,16255	625.461,82689	8.897.383,62113
9	4	176°07'16,6"	8,73682	625.454,66997	8.897.377,47278
10	4	106°44'43,6"	8,45785	625.462,17816	8.897.383,75270
11	4	186°01'50,6"	6,52480	625.453,39346	8.897.379,70090
12	3	182°21'26,6"	7,12183	625.453,78603	8.897.379,07378
13	NA	182°46'59,6"	7,20778	625.453,72898	8.897.378,99030

Nome	Descrição	X	Y	Z
AX27		625.455,72936	8.897.363,87754	146,20200

Nome	Descrição	Azimute	Distância	X	Y
AX28	AX	222°57'24,6"	17,23895	625.443,98193	8.897.351,26091
AX29	AX	219°44'45,6"	33,12475	625.434,54989	8.897.338,40836
1	4	278°13'19,6"	4,77529	625.451,00315	8.897.364,56046
2	3	279°48'16,6"	5,00304	625.450,79940	8.897.364,72950
3	3	278°46'05,6"	6,65664	625.449,15052	8.897.364,89226
4	4	279°21'26,6"	7,50349	625.448,32572	8.897.365,09755
5	4	262°35'33,6"	10,12370	625.445,69015	8.897.362,57237
6	3	260°57'14,6"	9,59761	625.446,25112	8.897.362,36854
7	3	249°07'17,6"	8,96914	625.447,34915	8.897.360,68106
8	4	244°56'23,6"	8,87062	625.447,69378	8.897.360,12022

Nome	Descrição	X	Y	Z
AX28		625.443,98193	8.897.351,26091	147,14133

Irradiações

Local:

Página: 26

Cota
146,2020
146,0110
145,7544
145,8310
145,9760
146,0199
145,8026
145,6168
145,7196
146,1319
145,8932
146,2399
145,6519
145,9140

Cota
147,1413
146,7127
146,0409
145,7489
145,6855
146,2107
146,2006
145,7463
145,6243
146,3283

Irradiações

Local:

Página: 27

Nome	Descrição	Azimute	Distância	X	Y
AX30	AX	295°57'27,6"	12,14660	625.433,06071	8.897.356,57756
1	4	327°11'16,6"	6,90137	625.440,24218	8.897.357,06119
2	3	327°21'54,6"	7,48259	625.439,94670	8.897.357,56219
3	3	328°19'40,6"	8,60212	625.439,46533	8.897.358,58190
4	4	328°48'44,6"	9,24672	625.439,19359	8.897.359,17127

Nome	Descrição	X	Y	Z
AX29		625.434,54989	8.897.338,40836	146,71268

Nome	Descrição	Azimute	Distância	X	Y
AX31	AX	147°42'01,6"	28,39851	625.449,72451	8.897.314,40407
1	4	311°27'46,6"	7,34764	625.429,04368	8.897.343,27349
2	3	310°00'48,6"	7,92727	625.428,47845	8.897.343,50534
3	3	307°56'44,6"	9,36114	625.427,16775	8.897.344,16466
4	4	309°42'36,6"	9,85084	625.426,97177	8.897.344,70211
5	4	309°42'37,6"	9,84985	625.426,97257	8.897.344,70151
6	4	209°51'40,6"	3,10410	625.433,00435	8.897.335,71638
7	3	208°05'17,6"	3,56564	625.432,87107	8.897.335,26267
8	3	218°20'32,6"	6,06922	625.430,78479	8.897.333,64816
9	4	219°05'08,6"	6,23957	625.430,61595	8.897.333,56519
10	4	189°20'29,6"	17,87891	625.431,64779	8.897.320,76656
11	3	188°23'27,6"	17,39151	625.432,01199	8.897.321,20303
12	NA	188°33'53,6"	17,41547	625.431,95621	8.897.321,18711
13	4	188°30'00,6"	14,50874	625.432,40532	8.897.324,05899
14	3	189°29'08,6"	14,98272	625.432,08071	8.897.323,63051

Nome	Descrição	X	Y	Z
AX31		625.449,72451	8.897.314,40407	147,73327

Irradiações

Local:

Página: 28

Cota
146,8359
146,3921
145,7257
145,5770
145,8353

Cota
147,7333
146,5297
146,0573
146,0750
146,3165
146,3166
146,4940
146,2404
146,1648
146,3423
146,6596
146,0921
146,3720
146,5163
145,8828

Nome	Descrição	Azimute	Distância	X	Y
AX32	AX	215°51'48,6"	21,61337	625.437,06219	8.897.296,88827
1	4	229°42'13,6"	12,12048	625.440,48010	8.897.306,56528
2	3	232°05'40,6"	12,39127	625.439,94748	8.897.306,79138
3	3	237°05'47,6"	12,77835	625.438,99598	8.897.307,46256
4	4	241°53'48,6"	13,17002	625.438,10723	8.897.308,20020
5	4	261°49'24,6"	11,15295	625.438,68494	8.897.312,81787
6	3	262°09'43,6"	10,78987	625.439,03544	8.897.312,93265
7	3	261°46'11,6"	9,79261	625.440,03276	8.897.313,00227
8	4	262°00'53,6"	9,47815	625.440,33826	8.897.313,08741

Nome	Descrição	X	Y	Z
AX2		625.772,59105	8.897.807,99030	150,05365

Nome	Descrição	Azimute	Distância	X	Y
1	2	266°23'14,2"	27,19006	625.745,45503	8.897.806,27699
2	2	265°41'57,2"	20,89906	625.751,75084	8.897.806,42302
3	2	262°24'02,2"	12,69389	625.760,00866	8.897.806,31158
4	2	259°01'39,2"	10,34268	625.762,43745	8.897.806,02170
5	2	247°45'57,2"	9,70369	625.763,60888	8.897.804,31850
6	2	205°56'14,2"	13,11348	625.766,85539	8.897.796,19769
7	2	176°42'53,2"	28,52396	625.774,22567	8.897.779,51321
8	2	193°56'44,2"	33,91510	625.764,41750	8.897.775,07485
9	1	167°31'28,2"	27,47669	625.778,52663	8.897.781,16238
10	2	157°47'06,2"	26,78614	625.782,71842	8.897.783,19244
11	2	161°07'14,2"	10,40055	625.775,95643	8.897.798,14928
12	2	174°56'20,2"	3,19384	625.772,87281	8.897.804,80891
13	2	172°27'58,2"	1,16261	625.772,74349	8.897.806,83772
14	2	37°12'58,2"	1,75904	625.773,65496	8.897.809,39112
15	2	43°37'28,2"	3,44640	625.774,96882	8.897.810,48506
16	2	51°54'49,2"	5,50253	625.776,92200	8.897.811,38452
17	2	57°59'10,2"	6,37651	625.777,99783	8.897.811,37064
18	2	74°20'37,2"	7,74926	625.780,05280	8.897.810,08156
19	2	284°46'35,2"	31,07041	625.742,54819	8.897.815,91475
20	2	301°19'39,2"	24,14694	625.751,96452	8.897.820,54501
21	2	320°23'45,2"	21,97634	625.758,58159	8.897.824,92235
22	2	343°49'06,2"	23,29423	625.766,09935	8.897.830,36168
23	2	0°59'40,2"	28,24093	625.773,08121	8.897.836,22698
24	2	5°01'53,2"	31,75144	625.775,37573	8.897.839,61939

Irradiações

Local:

Página: 30

Cota
147,8591
146,7147
146,4359
146,4686
146,6048
146,6259
146,4888
146,4213
146,6546

Cota
148,6029
148,9995
149,6976
149,8555
149,7672
148,8571
147,7399
146,4553
147,8411
147,7407
148,6233
149,6990
149,9461
150,1773
150,2912
150,4719
150,5567
150,7553
148,4321
149,1399
149,6789
150,2099
150,5000
150,4237

Nome	Descrição	Azimute	Distância	X	Y
25	2	5°17'10,2"	36,46322	625.775,95041	8.897.844,29844
26	2	317°17'23,2"	12,01496	625.764,44141	8.897.816,81881
27	2	338°26'20,2"	15,81647	625.766,77862	8.897.822,70003
28	2	351°17'14,2"	17,78478	625.769,89701	8.897.825,56984
29	2	2°51'07,2"	20,19695	625.773,59598	8.897.828,16224
30	2	5°27'50,2"	18,18329	625.774,32245	8.897.826,09096
31	2	7°58'25,2"	16,12796	625.774,82829	8.897.823,96233
32	2	9°45'50,2"	14,63939	625.775,07374	8.897.822,41763
33	2	9°51'49,2"	13,65897	625.774,93089	8.897.821,44736
34	2	8°17'25,2"	12,82981	625.774,44097	8.897.820,68604
35	2	339°19'16,2"	10,63715	625.768,83476	8.897.817,94214
36	2	359°08'06,2"	11,56153	625.772,41652	8.897.819,55051
37	1	313°24'40,2"	14,79186	625.761,84564	8.897.818,15569
38	1	276°30'56,2"	28,62387	625.744,15206	8.897.811,23835
39	1	184°06'46,2"	11,64517	625.771,75585	8.897.796,37512

Nome	Descrição	X	Y	Z
AX1		625.621,46622	8.897.714,13818	146,53802

Nome	Descrição	Azimute	Distância	X	Y
1	4	276°19'58,2"	13,13888	625.608,40752	8.897.715,58745
2	3	275°56'25,2"	12,26671	625.609,26538	8.897.715,40769
3	NA	276°09'50,2"	12,49497	625.609,04348	8.897.715,47981
4	3	273°41'02,2"	8,50616	625.612,97764	8.897.714,68472
5	4	272°10'24,2"	7,24871	625.614,22273	8.897.714,41308

Nome	Descrição	X	Y	Z
M1		625.681,52675	8.897.737,74552	146,57898

Nome	Descrição	Azimute	Distância	X	Y
1	10	57°04'27,5"	3,16986	625.684,18745	8.897.739,46850

Nome	Descrição	X	Y	Z
M2		625.703,86074	8.897.692,09419	147,75494

Irradiações

Local:

Página: 32

Cota
150,4708
150,1784
150,1498
150,3592
150,5149
150,5836
150,6175
150,6038
150,5442
150,5062
150,3069
150,4364
149,9566
148,5623
148,7619

Cota
145,8344
144,0454
144,1649
144,4493
146,1881

Cota
146,4422

Irradiações

Local:

Página: 33

Nome	Descrição	Azimute	Distância	X	Y
1	D10	154°12'00,6"	28,33740	625.716,19398	8.897.666,58146
1	D10	154°12'01,6"	28,38540	625.716,21475	8.897.666,53819
2	D10	227°15'15,6"	86,39441	625.640,41493	8.897.633,45442

Nome	Descrição	X	Y	Z
M4		625.597,58406	8.897.563,85602	150,37607

Nome	Descrição	Azimute	Distância	X	Y
1	10	205°06'33,1"	28,65450	625.585,42468	8.897.537,90934
2	M	209°02'51,1"	27,63717	625.584,16526	8.897.539,69512
3	M	244°01'36,1"	7,35397	625.590,97286	8.897.560,63533
4	M	352°36'03,1"	19,73183	625.595,04298	8.897.583,42354

Nome	Descrição	X	Y	Z
M5		625.579,68417	8.897.529,22421	149,86275

Nome	Descrição	Azimute	Distância	X	Y
1	10	209°10'05,9"	49,41169	625.555,60206	8.897.486,07833
2	10	208°39'13,9"	29,63894	625.565,47179	8.897.503,21507
3	M	208°24'54,9"	25,57918	625.567,51210	8.897.506,72676
4	M	229°56'50,9"	18,88317	625.565,22996	8.897.517,07309
5	M	292°54'53,9"	5,32103	625.574,78306	8.897.531,29603

Nome	Descrição	X	Y	Z
M6		625.554,91135	8.897.485,98503	145,92026

Nome	Descrição	Azimute	Distância	X	Y
1	10	152°29'47,1"	28,46797	625.568,05797	8.897.460,73445
2	10	151°40'36,1"	16,83362	625.562,89800	8.897.471,16665
3	M	151°29'05,1"	15,56717	625.562,34300	8.897.472,30631

Nome	Descrição	X	Y	Z
M7		625.567,41741	8.897.460,16127	146,66893

Nome	Descrição	Azimute	Distância	X	Y
1	M	64°56'21,2"	15,33503	625.581,30878	8.897.466,65687

Irradiações

Local:

Página: 34

Cota
147,7992
147,7995
148,9984

Cota
149,8305
149,3726
149,7487
149,9242

Cota
145,9241
147,5521
147,2505
146,8337
147,2628

Cota
146,7026
146,3686
146,3581

Cota
149,1457

Nome	Descrição	X	Y	Z
M8		625.583,78577	8.897.467,17312	149,57565

Nome	Descrição	Azimute	Distância	X	Y
1	10	63°05'00,8"	12,85109	625.595,24467	8.897.472,99069
2	M	63°41'11,8"	15,68718	625.597,84749	8.897.474,12695

Nome	Descrição	X	Y	Z
M9		625.632,13677	8.897.462,09511	152,84129

Nome	Descrição	Azimute	Distância	X	Y
1	FM	297°53'58,6"	31,75368	625.604,07386	8.897.476,95341
2	D10	348°17'37,6"	25,48364	625.626,96630	8.897.487,04870
3	M	255°44'17,6"	34,70800	625.598,49846	8.897.453,54471
4	M	239°21'14,6"	40,06538	625.597,66718	8.897.441,67253
5	10	147°51'44,6"	40,21480	625.653,52921	8.897.428,04230
6	10	152°43'19,6"	103,46335	625.679,55470	8.897.370,13748
7	2	152°55'38,6"	106,43966	625.680,57950	8.897.367,31799
8	1	153°05'57,6"	110,17792	625.681,98622	8.897.363,83929
9	2	153°18'33,6"	113,97205	625.683,32998	8.897.360,26739
10	2	157°33'54,6"	114,52879	625.675,84466	8.897.356,23452
11	1	157°36'01,6"	110,34492	625.674,18515	8.897.360,07582
12	2	157°38'43,6"	106,40194	625.672,60535	8.897.363,68948
13	F10IT	157°40'12,6"	103,51332	625.671,46539	8.897.366,34404
14	F10ITD	157°40'11,6"	103,50431	625.671,46243	8.897.366,35256
15	F10ITD	160°46'53,6"	39,99518	625.645,30201	8.897.424,32884
15	T	160°46'58,6"	39,98118	625.645,29648	8.897.424,34174

Nome	Descrição	X	Y	Z
M10		625.570,44502	8.897.393,59908	150,83133

Cota
150,8093
150,8012

Cota
151,1239
152,8805
149,9789
149,9892
153,0546
154,4863
154,4925
154,6277
154,5284
154,2745
154,3780
154,2081
154,4279
154,4282
152,4886
152,4887

Nome	Descrição	Azimute	Distância	X	Y
1	T	243°51'35,3"	70,38266	625.507,26118	8.897.362,59067
2	M	252°10'22,3"	10,77605	625.560,18638	8.897.390,30003
3	M	17°55'20,3"	3,55084	625.571,53771	8.897.396,97761
4	M	22°21'36,3"	22,34885	625.578,94711	8.897.414,26754
5	F11	60°51'03,3"	24,01200	625.591,41602	8.897.405,29492
6	11	61°16'27,3"	24,10658	625.591,58481	8.897.405,18512
7	12	56°56'08,3"	25,04302	625.591,43253	8.897.407,26206
8	12	57°35'15,3"	22,28662	625.589,25965	8.897.405,54492
9	12	61°28'38,3"	23,02812	625.590,67817	8.897.404,59516
10	12	61°08'01,3"	24,68111	625.592,05946	8.897.405,51431
11	T	93°40'20,3"	4,91842	625.575,35334	8.897.393,28405

Nome	Descrição	X	Y	Z
M11		625.506,31919	8.897.363,00823	151,54672

Nome	Descrição	Azimute	Distância	X	Y
1	T	155°08'28,5"	43,47130	625.524,59378	8.897.323,56468
2	M	170°34'31,5"	38,16244	625.512,56827	8.897.325,36091
3	M	191°15'21,5"	21,17063	625.502,18684	8.897.342,24482
4	M	258°08'40,5"	11,64858	625.494,91908	8.897.360,61511
5	M	292°48'57,5"	8,17251	625.498,78614	8.897.366,17730
6	M	1°00'43,5"	8,87256	625.506,47591	8.897.371,87941
7	M	49°16'57,5"	27,63741	625.527,26659	8.897.381,03689

Nome	Descrição	X	Y	Z
M12		625.520,45613	8.897.288,76142	155,03097

Irradiações

Local:

Página: 38

Cota
151,4381
150,2171
150,3278
148,1675
148,2600
149,8063
149,2718
149,2453
149,3799
149,4615
150,9295

Cota
154,9856
152,5849
150,7327
149,0191
150,0329
149,3141
150,2451

Nome	Descrição	Azimute	Distância	X	Y
1	FTI10	39°38'03,8"	20,00569	625.533,21748	8.897.304,16842
2	2	47°23'07,8"	19,02023	625.534,45360	8.897.301,63931
3	1	60°05'20,8"	18,27604	625.536,29784	8.897.297,87482
4	2	72°19'13,8"	17,74297	625.537,36110	8.897.294,14983
5	10	87°07'21,8"	18,28904	625.538,72211	8.897.289,67948
6	D10	102°19'58,8"	10,35935	625.530,57641	8.897.286,54874
7	10	48°38'07,8"	29,11881	625.542,31040	8.897.308,00451
8	2	31°34'18,8"	12,09749	625.526,78999	8.897.299,06829
9	2	356°49'22,8"	10,33181	625.519,88353	8.897.299,07735
10	2	328°50'52,8"	16,52887	625.511,90557	8.897.302,90680
11	2	321°37'01,8"	19,34208	625.508,44638	8.897.303,92328
12	2	314°07'12,8"	22,82582	625.504,06991	8.897.304,65198
13	2	304°39'48,8"	25,04231	625.499,85868	8.897.303,00439
14	2	295°14'46,8"	26,95024	625.496,08010	8.897.300,25599
15	2	281°52'11,8"	28,32840	625.492,73347	8.897.294,58831
16	2	268°07'14,8"	26,89446	625.493,57613	8.897.287,87948
17	M	299°35'31,8"	47,67339	625.479,00113	8.897.312,30363
18	M	315°54'49,8"	37,69010	625.494,23364	8.897.315,83400
19	2	281°30'04,8"	3,35524	625.517,16826	8.897.289,43043
20	2	71°03'39,8"	4,07423	625.524,30979	8.897.290,08376
21	2	75°18'05,8"	10,20758	625.530,32966	8.897.291,35140

Nome	Descrição	X	Y	Z
M13		625.484,53613	8.897.280,39028	153,20566

Nome	Descrição	Azimute	Distância	X	Y
1	IT	53°25'47,0"	6,84111	625.490,03041	8.897.284,46627
2	FTI10	188°26'26,0"	32,78832	625.479,72335	8.897.247,95709
3	10	190°28'36,0"	45,10501	625.476,33446	8.897.236,03721
4	M	205°50'04,0"	20,23141	625.475,71984	8.897.262,18085
5	M	195°01'08,0"	44,43280	625.473,02192	8.897.237,47528
6	M	323°10'31,0"	14,34260	625.475,93962	8.897.291,87114

Nome	Descrição	X	Y	Z
M14		625.472,04004	8.897.220,95619	153,55285

Irradiações

Local:

Página: 40

Cota
156,0295
155,7594
155,9388
155,7561
156,1608
155,8219
156,2826
155,3457
154,8289
154,3133
154,0139
153,7984
153,6317
153,4276
153,3748
153,3435
151,0675
152,0513
154,5991
155,0424
155,4885

Cota
153,8850
153,8535
153,6880
153,1708
153,5500
152,6230

Irradiações

Local:

Página: 41

Nome	Descrição	Azimute	Distância	X	Y
1	10	55°48'44,8"	19,95740	625.488,54885	8.897.232,17033
2	M	241°56'34,8"	24,54315	625.450,38120	8.897.209,41233
3	M	302°23'45,8"	11,79120	625.462,08397	8.897.227,27355

Nome	Descrição	X	Y	Z
M15		625.341,13223	8.897.157,38887	150,32864

Nome	Descrição	Azimute	Distância	X	Y
1	M	58°20'00,6"	59,53167	625.391,80071	8.897.188,64146
2	4	15°03'47,6"	51,91487	625.354,62410	8.897.207,51993
3	3	14°52'36,6"	53,92408	625.354,97680	8.897.209,50542
4	3	14°46'30,6"	57,05094	625.355,68173	8.897.212,55337
5	4	14°58'41,6"	60,62527	625.356,80094	8.897.215,95435
6	M	346°30'05,6"	24,13815	625.335,49792	8.897.180,86023
7	M	343°55'45,6"	29,89693	625.332,85607	8.897.186,11746
8	4	345°48'50,6"	36,27113	625.332,24327	8.897.192,55393
9	3	345°29'17,6"	39,08450	625.331,33847	8.897.195,22643
10	NA	345°15'55,6"	39,54313	625.331,07477	8.897.195,63160
11	3	344°40'55,6"	41,31315	625.330,21835	8.897.197,23437
12	4	343°57'56,6"	42,64400	625.329,35342	8.897.198,37387
13	M	343°22'52,6"	42,99231	625.328,83636	8.897.198,58535
14	4	313°51'45,6"	35,55588	625.315,49634	8.897.182,02668
15	3	314°38'57,6"	37,46440	625.314,47925	8.897.183,71757
16	3	314°20'57,6"	40,95027	625.311,84905	8.897.186,01438
17	4	314°55'32,6"	44,25518	625.309,79854	8.897.188,64141
18	M	312°43'48,6"	45,50592	625.307,70551	8.897.188,26675
19	M	311°58'38,6"	52,58133	625.302,04280	8.897.192,55722

Nome	Descrição	X	Y	Z
M16		625.278,31700	8.897.183,85241	150,36199

Irradiações

Local:

Página: 42

Cota
153,8262
150,7125
152,6223

Cota
149,3407
148,3152
147,6827
147,4677
148,3209
149,2801
149,4328
149,0376
147,7960
147,6278
147,7446
148,6356
148,8077
149,0062
148,0463
147,9545
149,5574
149,8982
150,4433

Nome	Descrição	Azimute	Distância	X	Y
1	2	163°49'55,1"	25,64712	625.285,45858	8.897.159,21965
2	1	170°59'27,1"	25,44095	625.282,30086	8.897.158,72531
3	2	178°34'00,1"	25,23632	625.278,94825	8.897.158,62398
4	2	19°11'35,1"	16,80436	625.283,84148	8.897.199,72272
5	1	6°55'03,1"	16,39174	625.280,29123	8.897.200,12483
6	2	355°19'06,1"	16,44608	625.276,97469	8.897.200,24362
7	11	108°39'15,1"	22,31730	625.299,46189	8.897.176,71410
7	12	108°48'22,1"	22,36419	625.299,48728	8.897.176,64293
8	12	112°58'50,1"	20,05432	625.296,77975	8.897.176,02282
9	12	108°25'27,1"	17,15411	625.294,59184	8.897.178,43086
10	12	99°32'04,1"	17,68618	625.295,75887	8.897.180,92286
11	11	109°29'22,1"	18,11424	625.295,39335	8.897.177,80889
12	11	111°11'06,1"	19,22073	625.296,23876	8.897.176,90641
13	F11	110°24'43,1"	19,45568	625.296,55104	8.897.177,06690
14	F11	109°10'57,1"	18,22322	625.295,52841	8.897.177,86465

Nome	Descrição	X	Y	Z
M17		625.333,13705	8.897.262,15630	151,60630

Nome	Descrição	Azimute	Distância	X	Y
1	M	190°41'30,2"	52,68348	625.323,36296	8.897.210,38742
2	M	161°50'58,2"	43,16499	625.346,58354	8.897.221,13914
3	M	127°47'14,2"	40,70383	625.365,30492	8.897.237,21577
4	M	99°08'25,2"	38,97988	625.371,62197	8.897.255,96422
5	M	68°41'26,2"	40,59579	625.370,95737	8.897.276,90897
6	M	68°27'20,2"	40,69274	625.370,98672	8.897.277,09956
7	4	119°33'46,2"	60,19916	625.385,49919	8.897.232,45537
8	3	119°45'06,2"	62,11517	625.387,06443	8.897.231,33210
9	NA	119°45'05,2"	62,64959	625.387,52856	8.897.231,06717
10	3	119°25'12,2"	64,98063	625.389,73790	8.897.230,23725
11	4	119°30'56,2"	66,63657	625.391,12562	8.897.229,32708
12	M	51°45'09,2"	48,45447	625.371,19050	8.897.292,15247
13	4	102°26'21,2"	71,63233	625.403,08781	8.897.246,72641
14	3	102°29'05,2"	71,96476	625.403,40009	8.897.246,59894
15	3	102°10'06,2"	75,16931	625.406,61747	8.897.246,31169
16	4	102°17'58,2"	75,63801	625.407,03897	8.897.246,04375

Irradiações

Local:

Página: 44

Cota
150,0742
150,2372
150,1012
150,5207
150,8063
150,5957
148,9543
148,9510
149,8525
149,8765
149,0403
148,6102
148,7077
147,5520
147,5877

Cota
149,9111
148,8233
148,5023
148,6482
150,1125
150,1092
148,0667
147,4751
147,3511
147,5407
147,9986
150,4752
147,7157
147,4310
147,5444
147,8429

Nome	Descrição	X	Y	Z
M18		625.345,73876	8.897.308,49605	154,58704

Nome	Descrição	Azimute	Distância	X	Y
1	M	81°28'49,6"	33,07860	625.378,45235	8.897.313,39654
2	M	55°34'13,6"	54,53144	625.390,71749	8.897.339,32772

Nome	Descrição	X	Y	Z
M19		625.373,52949	8.897.402,97598	154,42741

Nome	Descrição	Azimute	Distância	X	Y
1	M	76°48'47,4"	29,73229	625.402,47778	8.897.409,75872
2	M	131°29'12,4"	29,22610	625.395,42302	8.897.383,61523

Nome	Descrição	X	Y	Z
M20		625.408,68879	8.897.481,97247	154,21425

Cota
151,0601
149,6206

Cota
150,2379
150,1188

Nome	Descrição	Azimute	Distância	X	Y
1	2	280°42'22,4"	15,48102	625.393,47725	8.897.484,84843
2	1	289°37'30,4"	14,93165	625.394,62451	8.897.486,98748
3	1	300°10'21,4"	15,53965	625.395,25453	8.897.489,78280
3	2	300°09'17,4"	15,49436	625.395,29127	8.897.489,75588
4	2	316°22'26,4"	6,20493	625.404,40771	8.897.486,46396
5	2	323°55'13,4"	5,80399	625.405,27077	8.897.486,66326
6	2	340°01'47,4"	6,69959	625.406,40067	8.897.488,26922
7	2	14°01'19,4"	37,42453	625.417,75658	8.897.518,28184
8	1	18°30'52,4"	37,10776	625.420,47220	8.897.517,15964
9	2	22°38'08,4"	37,22823	625.423,01682	8.897.516,33304
10	7	2°19'20,4"	23,09545	625.409,62465	8.897.505,04895
11	7	339°10'13,4"	29,18448	625.398,31108	8.897.509,24951
12	7	38°35'51,4"	4,49498	625.411,49297	8.897.485,48550
12	2	38°35'51,4"	4,49498	625.411,49297	8.897.485,48550
13	2	86°47'33,4"	1,38340	625.410,07002	8.897.482,04987
14	2	187°06'44,4"	1,71500	625.408,47645	8.897.480,27067
15	2	233°20'52,4"	3,56897	625.405,82550	8.897.479,84196
16	2	249°31'00,4"	4,95394	625.404,04807	8.897.480,23892
17	2	269°23'19,4"	7,89663	625.400,79261	8.897.481,88822
18	1	288°09'52,4"	7,34874	625.401,70627	8.897.484,26342
19	1	297°17'59,4"	3,52696	625.405,55467	8.897.483,59010
20	1	346°53'23,4"	3,20838	625.407,96105	8.897.485,09723
21	1	6°37'59,4"	6,34593	625.409,42182	8.897.488,27592
22	M	180°26'40,4"	63,04723	625.408,19961	8.897.418,92714
23	M	157°14'23,4"	53,62106	625.429,43341	8.897.432,52676
24	M	125°16'02,4"	41,14047	625.442,27863	8.897.458,21828
25	M	122°29'09,4"	55,14482	625.455,20472	8.897.452,35459
26	M	119°54'51,4"	71,03644	625.470,26123	8.897.446,54633
27	M	105°36'32,4"	87,81721	625.493,26733	8.897.458,34339
28	M	91°26'56,4"	90,14132	625.498,80129	8.897.479,69305
29	M	83°48'01,4"	79,30274	625.487,52774	8.897.490,53658

Nome	Descrição	X	Y	Z
M21		625.445,09445	8.897.589,10578	154,94787

Irradiações

Local:

Página: 48

Cota
154,5845
154,5540
154,4245
154,4404
154,1838
154,1628
154,0804
153,9662
154,0203
153,9150
154,6130
154,6075
154,1396
154,1396
154,1135
154,1564
154,1397
154,1796
154,3012
154,3363
154,2743
154,2172
154,1836
150,2645
149,1448
149,4439
146,9375
145,8766
146,0042
146,4906
147,4492

Irradiações

Local:

Página: 49

Nome	Descrição	Azimute	Distância	X	Y
1	7	203°37'36,0"	66,53411	625.418,42922	8.897.528,14881
2	2	202°06'33,0"	27,91180	625.434,58922	8.897.563,24638
3	1	196°10'27,0"	27,78218	625.437,35550	8.897.562,42324
4	2	190°37'36,0"	28,14709	625.439,90388	8.897.561,44142
5	2	353°25'30,0"	2,23489	625.444,83854	8.897.591,32597
6	2	358°11'55,0"	4,11798	625.444,96500	8.897.593,22173
7	2	349°44'15,0"	5,57595	625.444,10105	8.897.594,59252
8	2	337°04'39,0"	7,88784	625.442,02225	8.897.596,37074
9	2	312°10'49,0"	11,36926	625.436,66942	8.897.596,73984
10	1	323°19'58,0"	14,61165	625.436,36886	8.897.600,82604
11	2	329°17'20,0"	19,78277	625.434,99120	8.897.606,11408
12	2	336°34'14,0"	18,27790	625.437,82680	8.897.605,87667
13	2	357°02'04,0"	18,30578	625.444,14739	8.897.607,38704
14	2	8°58'33,0"	22,13955	625.448,54861	8.897.610,97421
15	2	16°20'51,0"	27,92955	625.452,95556	8.897.615,90621
16	2	19°36'59,0"	44,63486	625.460,07931	8.897.631,15010
17	2	18°56'01,0"	34,92792	625.456,42759	8.897.622,14394
18	1	24°17'29,0"	44,65849	625.463,46594	8.897.629,81044
19	2	29°12'16,0"	45,05167	625.467,07639	8.897.628,43068
20	2	40°02'46,0"	15,21809	625.454,88582	8.897.600,75564
21	1	25°01'12,0"	20,07971	625.453,58685	8.897.607,30121
22	2	91°41'23,0"	4,83070	625.449,92305	8.897.588,96334
23	1	358°28'03,0"	13,50605	625.444,73324	8.897.602,60700
24	M	113°27'42,0"	35,93158	625.478,05544	8.897.574,80015
25	M	118°27'09,0"	58,46450	625.496,49716	8.897.561,25155
26	M	69°41'37,0"	40,95481	625.483,50393	8.897.603,31875
27	M	50°38'56,0"	49,39781	625.483,29253	8.897.620,42750
28	M	34°41'53,0"	73,03856	625.486,67176	8.897.649,15541
29	M	34°59'17,0"	112,69625	625.509,71510	8.897.681,43462

Nome	Descrição	X	Y	Z
AX5		625.560,43610	8.897.701,00414	144,33202

Nome	Descrição	Azimute	Distância	X	Y
1	3	92°32'59,5"	14,66340	625.575,08497	8.897.700,35179
2	4	93°14'11,5"	13,96000	625.574,37383	8.897.700,21599

Irradiações

Local:

Página: 50

Cota
154,6574
154,1115
154,1578
154,0261
154,9799
155,0135
155,0264
155,1370
155,4727
155,4653
155,2227
154,9400
154,3900
153,9826
153,6974
153,1809
153,4816
153,2717
153,2175
154,5110
154,2180
154,7756
154,7724
149,7356
148,2805
149,8739
150,7687
150,8606
148,9944

Cota
143,8696
144,2758

Nome	Descrição	X	Y	Z
AX13		625.543,37331	8.897.590,68280	144,68418

Nome	Descrição	Azimute	Distância	X	Y
1	3	165°14'44,6"	8,23556	625.545,47069	8.897.582,71879
2	4	165°10'53,6"	9,52274	625.545,80882	8.897.581,47677
3	4	164°38'51,6"	5,01707	625.544,70160	8.897.585,84476
4	3	165°38'01,6"	5,50836	625.544,74004	8.897.585,34668
5	4	225°20'06,6"	10,07097	625.536,21052	8.897.583,60333
6	3	225°32'15,6"	9,38637	625.536,67416	8.897.584,10821
7	3	225°26'17,6"	7,49509	625.538,03310	8.897.585,42365
8	4	225°59'58,6"	6,86853	625.538,43253	8.897.585,91148
9	4	264°25'04,6"	9,98391	625.533,43674	8.897.589,71165
10	3	262°01'51,6"	10,53714	625.532,93793	8.897.589,22195
11	3	263°01'32,6"	12,64983	625.530,81708	8.897.589,14680
12	4	262°39'53,6"	13,29488	625.530,18723	8.897.588,98540
13	NA	263°03'04,6"	12,68484	625.530,78164	8.897.589,14817
14	4	329°42'56,6"	18,29241	625.534,14861	8.897.606,47891
15	3	330°16'25,6"	19,11923	625.533,89292	8.897.607,28602
16	3	328°59'25,6"	21,99927	625.532,03970	8.897.609,53796
16	4	328°59'25,6"	21,99827	625.532,04021	8.897.609,53710
17	3	329°30'50,6"	21,04063	625.532,69882	8.897.608,81463
18	4	14°51'45,6"	3,40591	625.544,24693	8.897.593,97476
19	3	12°44'43,6"	4,17193	625.544,29372	8.897.594,75193
20	3	8°39'02,6"	6,62731	625.544,37012	8.897.597,23471
21	3	9°03'26,6"	6,58784	625.544,41039	8.897.597,18850
22	4	9°06'41,6"	7,31267	625.544,53132	8.897.597,90319

Nome	Descrição	X	Y	Z
AX30		625.433,06071	8.897.356,57756	146,83585

Cota
144,0158
144,6375
144,6640
144,0673
144,5935
143,7601
144,0488
144,4868
144,5242
143,8429
143,7530
144,6238
144,2055
144,4207
143,8961
145,2622
145,2623
143,6187
144,5914
143,8105
143,7140
143,7052
144,3154

Nome	Descrição	Azimute	Distância	X	Y
1	4	30°59'14,6"	5,02204	625.435,64630	8.897.360,88286
2	4	35°32'52,6"	5,52949	625.436,27547	8.897.361,07652
2	3	35°41'59,6"	5,52372	625.436,28401	8.897.361,06329
3	3	41°25'06,6"	6,34272	625.437,25676	8.897.361,33395
4	4	41°46'23,6"	6,47293	625.437,37287	8.897.361,40500
5	4	356°08'32,6"	21,69789	625.431,60093	8.897.378,22629
6	4	16°41'06,6"	12,38787	625.436,61742	8.897.368,44386
7	3	356°06'41,6"	22,10789	625.431,56148	8.897.378,63456
8	3	18°47'01,6"	12,74137	625.437,16340	8.897.368,64033
9	3	21°11'09,6"	13,11871	625.437,80177	8.897.368,80961
10	3	355°51'52,6"	22,69027	625.431,42443	8.897.379,20875
11	4	22°52'35,6"	13,41279	625.438,27489	8.897.368,93537
12	4	355°47'07,6"	23,03319	625.431,36796	8.897.379,54847
13	4	294°35'48,6"	8,26932	625.425,54175	8.897.360,01950
14	3	294°07'43,6"	8,86836	625.424,96719	8.897.360,20285
15	3	296°00'01,6"	10,54640	625.423,58171	8.897.361,20087
16	4	297°57'51,6"	10,68171	625.423,62620	8.897.361,58645
17	NA	299°03'53,6"	10,51795	625.423,86728	8.897.361,68718
18	4	264°18'15,6"	8,58052	625.424,52255	8.897.355,72599
19	4	248°46'04,6"	5,69594	625.427,75140	8.897.354,51480
20	3	264°00'26,6"	9,08248	625.424,02786	8.897.355,62935
21	3	239°30'08,6"	5,38547	625.428,42032	8.897.353,84442
22	3	258°44'55,6"	11,44943	625.421,83132	8.897.354,34365
23	4	259°04'27,6"	12,30522	625.420,97853	8.897.354,24529
24	3	228°24'14,6"	6,97131	625.427,84725	8.897.351,94950
25	4	227°47'04,6"	7,17199	625.427,74896	8.897.351,75856
26	4	188°31'52,6"	8,84945	625.431,74790	8.897.347,82603
27	3	186°38'30,6"	9,13489	625.432,00415	8.897.347,50398
28	3	185°32'33,6"	9,79588	625.432,11456	8.897.346,82748
29	4	182°29'24,6"	10,61181	625.432,59965	8.897.345,97577

Nome	Descrição	X	Y	Z
AX32		625.437,06219	8.897.296,88827	147,85913

Irradiações

Local:

Página: 54

Cota
146,1584
145,7477
145,7494
145,8565
145,9150
146,3464
146,0623
145,8740
145,7381
145,7023
145,9511
146,2455
146,1692
145,9376
145,9188
145,9015
146,1102
146,0874
146,2055
146,3684
145,8584
145,7130
145,9047
146,3040
146,1034
146,2894
146,1956
146,0143
145,8172
146,3520

Nome	Descrição	Azimute	Distância	X	Y
1	4	347°53'29,6"	7,76770	625.435,43281	8.897.304,48316
2	3	347°42'39,6"	8,00257	625.435,35890	8.897.304,70748
3	NA	347°57'58,6"	8,03415	625.435,38717	8.897.304,74587
4	3	349°18'12,6"	9,48048	625.435,30255	8.897.306,20401
5	4	348°05'43,6"	10,00048	625.434,99927	8.897.306,67366
6	4	272°07'57,6"	10,93271	625.426,13705	8.897.297,29511
7	3	273°00'16,6"	11,75872	625.425,31964	8.897.297,50462
8	3	271°17'47,6"	13,11449	625.423,95106	8.897.297,18501
9	4	271°41'39,6"	13,40611	625.423,66194	8.897.297,28465

Irradiações

Local:

Página: 56

Cota
146,8236
146,3577
146,7185
146,4000
146,6611
147,0960
146,9532
146,9301
147,0587