

Estação	Descrição	HI	Norte	Este	Cota	Azimute
D17	E	1,550				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL2		0°00'00"	179°59'53"	91°29'03"	268°30'56"	1,500	209,7180	209,6480		
Irradiado	10001	CER	153°26'20"		89°15'02"		1,500	18,8400	18,8390		
Irradiado	10002	CER	102°20'49"		89°56'34"		1,500	8,8190	8,8190		
Auxiliar	J1	A	52°14'38"	232°14'30"	89°36'30"	270°23'33"	1,500	134,6880	134,6850		
Irradiado	10003	CER	67°56'17"		89°15'52"		1,500	27,0310	27,0290		
Irradiado	10004	CER	60°15'09"		89°39'53"		1,500	26,8730	26,8730		
Irradiado	10005	CER	32°05'07"		91°29'41"		1,500	16,7220	16,7170		
Irradiado	10006	CER	14°15'55"		91°15'33"		1,500	37,8270	37,8170		
Irradiado	10007	BAT	33°38'35"		91°15'20"		1,500	15,3820	15,3790		
Irradiado	10008	BAT	16°27'29"		91°25'32"		1,500	14,9870	14,9830		
Irradiado	10009	BAT	1°59'44"		91°22'30"		1,500	18,0360	18,0310		
Irradiado	10010	BAT	172°10'34"		91°17'30"		1,500	2,3700	2,3690		
Irradiado	10011	BAT	70°10'05"		92°25'01"		1,500	6,6370	6,6310		
Irradiado	10012	EXT	38°13'20"		91°37'12"		1,500	10,6880	10,6840		
Irradiado	10013	EXT	50°30'38"		90°04'55"		1,500	31,1980	31,1980		
Irradiado	10014	BAT	56°28'23"		89°38'15"		1,500	31,4690	31,4690		
Irradiado	10015	BAT	45°34'23"		90°10'08"		1,500	31,5940	31,5940		
Irradiado	10016	BAT	55°30'04"		89°31'14"		1,500	55,0090	55,0070		
Irradiado	10017	BAT	49°38'30"		89°39'59"		1,500	55,1910	55,1900		
Irradiado	10018	EXT	52°37'45"		89°40'50"		1,500	54,9490	54,9480		
Irradiado	10019	EXT	53°17'21"		89°32'27"		1,500	96,7940	96,7910		
Irradiado	10020	BAT	51°06'14"		89°34'24"		1,500	97,1510	97,1490		
Irradiado	10021	BAT	54°56'04"		89°29'14"		1,500	97,1150	97,1110		
Irradiado	10022	CERV	55°42'36"		89°27'41"		1,500	98,8520	98,8480		
Irradiado	10023	CERV	50°06'47"		89°34'01"		1,500	101,0720	101,0700		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J1	E	1,550				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	D17		0°00'00"	179°59'42"	90°26'31"	269°33'18"	1,500	134,7050	134,7010	X	
Auxiliar	J2	A	185°11'53"	5°11'39"	89°56'13"	270°03'39"	1,500	78,5010	78,5010	X	
Irradiado	10024	CER	6°23'18"		90°25'39"		1,500	33,7370	33,7360		
Irradiado	10025	CER	16°01'45"		90°42'48"		1,500	31,0940	31,0920		
Irradiado	10026	EXT	183°12'00"		90°00'52"		1,500	71,4560	71,4560		
Irradiado	10027	BAT	185°41'19"		89°54'14"		1,500	71,7930	71,7930		
Irradiado	10028	BAT	180°14'54"		90°05'21"		1,500	70,5250	70,5250		
Irradiado	10029	CED	16°15'08"		90°14'13"		1,500	19,6240	19,6240		
Irradiado	10030	CA	31°00'38"		89°42'02"		1,500	10,3480	10,3480		
Irradiado	10031	CA	52°25'28"		91°29'57"		1,500	14,2960	14,2910		
Irradiado	10032	BAT	180°10'48"		89°51'37"		1,500	35,9110	35,9100		
Irradiado	10033	BAT	190°44'15"		89°39'33"		1,500	35,1130	35,1120		
Irradiado	10034	PC	191°39'44"		89°34'30"		1,500	36,8340	36,8330		
Irradiado	10035	EXT	186°04'20"		89°58'07"		1,500	34,6590	34,6590		
Irradiado	10036	CERV	9°08'28"		90°02'02"		1,500	19,0220	19,0220		
Irradiado	10037	CER	26°48'07"		90°53'30"		1,500	6,2090	6,2080		
Irradiado	10038	CERV	93°42'45"		91°35'14"		1,500	19,2500	19,2430		
Irradiado	10039	EXT	298°02'39"		91°00'09"		1,500	2,9690	2,9690		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J1	E	1,550				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	10040	BAT	236°00'17"		89°07'58"		1,500	7,0540	7,0530		
Irradiado	10041	BAT	55°34'22"		91°30'46"		1,500	3,9090	3,9080		
Irradiado	10042	BAT	22°25'34"		90°52'46"		1,500	3,9930	3,9930		
Irradiado	10043	BAT	254°31'37"		88°24'44"		1,500	6,4730	6,4710		
Irradiado	10044	BAT	259°45'56"		88°33'00"		1,500	8,4550	8,4520		
Irradiado	10045	BAT	10°29'12"		90°33'28"		1,500	6,0800	6,0800		
Irradiado	10046	BAT	174°47'25"		90°38'47"		1,500	6,1220	6,1220		
Irradiado	10047	BAT	162°39'23"		90°19'55"		1,500	4,6060	4,6060		
Irradiado	10048	BAT	135°53'53"		91°58'02"		1,500	5,1380	5,1350		
Irradiado	10049	BAT	325°55'34"		89°25'40"		1,500	9,6950	9,6950		
Irradiado	10050	BAT	313°57'59"		89°11'43"		1,500	7,9860	7,9850		
Irradiado	10051	BAT	302°46'41"		88°24'46"		1,500	12,6690	12,6640		
Irradiado	10052	CA	345°26'23"		89°53'09"		1,500	33,2580	33,2570		
Irradiado	10053	CA	342°05'10"		89°43'23"		1,500	27,0040	27,0040		
Irradiado	10054	CA	342°04'41"		89°45'49"		1,500	24,5790	24,5790		
Irradiado	10055	CED	328°20'34"		89°11'51"		1,500	15,8820	15,8810		
Irradiado	10056	BAT	277°58'58"		88°23'51"		1,500	46,7180	46,6990		
Irradiado	10057	BAT	285°54'44"		88°32'50"		1,500	47,1940	47,1790		
Irradiado	10058	EXT	282°00'33"		88°26'11"		1,500	46,6810	46,6630		
Irradiado	10059	CER	321°04'47"		88°53'52"		1,500	13,3870	13,3850		
Irradiado	10060	CER	246°14'10"		89°09'15"		1,500	8,0980	8,0970		
Irradiado	10061	PC	288°02'26"		88°29'49"		1,500	47,7200	47,7030		
Irradiado	10062	CERD	290°41'16"		88°28'43"		1,500	47,2180	47,2010		
Irradiado	10062	CED	290°32'18"		88°28'45"		1,500	48,1510	48,1340		
Irradiado	10063	CED	289°23'58"		88°27'02"		1,500	55,7550	55,7340		
Irradiado	10064	CERD	274°07'30"		88°26'59"		1,500	36,8220	36,8080		
Irradiado	10065	CER	151°32'35"		91°00'51"		1,500	5,7110	5,7100		
Irradiado	10066	CERV	277°59'55"		88°15'02"		1,500	60,5890	60,5610		
Irradiado	10067	CERV	278°10'14"		88°19'24"		1,500	65,2920	65,2640		
Irradiado	10068	CERD	174°18'06"		90°05'18"		1,500	24,1470	24,1470		
Irradiado	10069	CED	175°32'28"		89°55'11"		1,500	28,9110	28,9110		
Irradiado	10070	CED	176°28'07"		90°02'22"		1,500	34,7890	34,7890		
Irradiado	10071	BAT	280°53'54"		88°24'26"		1,500	87,1050	87,0720		
Irradiado	10072	BAT	286°28'02"		88°23'43"		1,500	87,7040	87,6700		
Irradiado	10073	EXT	283°34'05"		88°25'50"		1,500	87,2600	87,2280		
Irradiado	10074	CERD	176°37'13"		90°04'25"		1,500	36,9680	36,9680		
Irradiado	10075	CERD	177°37'23"		90°07'25"		1,500	49,8350	49,8350		
Irradiado	10076	CERD	178°16'11"		90°02'51"		1,500	61,4400	61,4400		
Irradiado	10077	CERD	178°56'06"		90°07'11"		1,500	73,2610	73,2610		
Irradiado	10078	CERD	178°59'58"		90°06'28"		1,500	74,9500	74,9500		
Irradiado	10079	CERD	178°59'20"		90°05'40"		1,500	85,5330	85,5330		
Irradiado	10080	CERD	186°25'18"		89°53'32"		1,500	77,4160	77,4160		
Irradiado	10081	MCER	187°29'10"		89°47'20"		1,500	66,2730	66,2730		
Irradiado	10082	MCER	192°00'55"		89°29'54"		1,500	39,7720	39,7700		
Irradiado	10083	CERV	114°13'31"		91°44'45"		1,500	38,8280	38,8100		
Irradiado	10084	CERV	124°28'28"		91°41'49"		1,500	42,0490	42,0300		
Irradiado	10085	CED	122°16'18"		91°44'50"		1,500	45,8750	45,8530		
Irradiado	10086	CA	120°14'21"		91°51'24"		1,500	45,2970	45,2730		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J1	E	1,550				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	10087	CA	117°28'12"		91°48'15"		1,500	52,4570	52,4310		
Irradiado	10088	CERD	196°15'56"		89°31'15"		1,500	28,1990	28,1980		
Irradiado	10089	BAT	111°27'27"		91°56'43"		1,500	49,3030	49,2740		
Irradiado	10090	BAT	102°52'45"		91°56'13"		1,500	48,3690	48,3410		
Irradiado	10091	CA	206°54'47"		89°13'42"		1,500	28,6880	28,6860		
Irradiado	10092	CA	214°43'55"		88°58'56"		1,500	21,4560	21,4530		
Irradiado	10093	EXT	106°45'55"		91°58'38"		1,500	48,3990	48,3700		
Irradiado	10094	SO	119°35'06"		91°28'05"		1,500	46,7410	46,7250		
Irradiado	10095	SO	344°26'55"		89°17'04"		1,500	31,0850	31,0830		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL5	E	1,602				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL4		0°00'21"	180°00'11"	92°11'57"	267°47'59"	1,500	90,9360	90,8690	X	
Auxiliar	J3	A	268°32'51"	88°32'41"	89°03'40"	270°56'20"	1,500	141,3250	141,3060	X	
Irradiado	10096	CA	347°45'32"		90°38'41"		1,500	10,1890	10,1890		
Irradiado	10097	MED	350°55'14"		90°17'03"		1,500	17,6210	17,6210		
Irradiado	10098	MED	351°54'15"		90°54'07"		1,500	23,2010	23,1980		
Irradiado	10099	CA	352°55'36"		91°10'55"		1,500	31,3410	31,3350		
Irradiado	10100	CERV	353°37'49"		91°10'56"		1,500	33,7830	33,7750		
Irradiado	10101	PC	355°44'07"		91°09'59"		1,500	43,3550	43,3460		
Irradiado	10102	MUV	2°55'44"		91°50'00"		1,500	69,7190	69,6830		
Irradiado	10103	BAT	1°46'00"		91°46'48"		1,500	66,8140	66,7820		
Irradiado	10104	BAT	356°44'38"		91°49'03"		1,500	66,2610	66,2280		
Irradiado	10105	EXT	359°00'36"		91°55'37"		1,500	66,3210	66,2830		
Irradiado	10106	EXT	0°15'32"		91°30'44"		1,500	51,2120	51,1940		
Irradiado	10107	BAT	3°18'59"		91°29'55"		1,500	51,2890	51,2710		
Irradiado	10108	BAT	356°48'31"		91°16'35"		1,500	50,5460	50,5330		
Irradiado	10109	BAT	356°53'58"		91°18'41"		1,500	35,3740	35,3640		
Irradiado	10110	BAT	6°42'34"		91°42'12"		1,500	35,6720	35,6560		
Irradiado	10111	EXT	0°57'12"		91°27'31"		1,500	35,2510	35,2390		
Irradiado	10112	MED	10°36'38"		91°22'49"		1,500	36,2800	36,2690		
Irradiado	10113	CED	15°24'29"		91°39'37"		1,500	27,7880	27,7770		
Auxiliar	J4	A	175°38'50"	355°38'36"	87°40'54"	272°19'13"	1,500	222,4610	222,2790	X	
Irradiado	10114	CER	45°14'10"		95°02'59"		1,500	12,2740	12,2270		
Irradiado	10115	BAT	33°01'55"		94°05'56"		1,500	11,7910	11,7610		
Irradiado	10116	BAT	46°30'40"		95°12'45"		1,500	11,1770	11,1310		
Irradiado	10117	BAT	57°12'22"		95°44'30"		1,500	12,5610	12,4980		
Irradiado	10118	BAT	71°58'47"		97°22'02"		1,500	20,7330	20,5620		
Irradiado	10119	EXT	82°43'09"		97°36'12"		1,500	19,7300	19,5570		
Irradiado	10120	BAT	95°29'17"		97°38'27"		1,500	19,4670	19,2950		
Irradiado	10121	BAT	93°57'33"		98°24'28"		1,500	36,0580	35,6700		
Irradiado	10122	EXT	24°39'46"		95°09'12"		1,500	4,5630	4,5450		
Irradiado	10123	EXT	87°37'09"		98°28'13"		1,500	36,8310	36,4290		
Irradiado	10124	BAT	82°13'38"		98°40'23"		1,500	37,7970	37,3640		
Irradiado	10125	BAT	107°06'15"		95°13'30"		1,500	9,3170	9,2780		
Irradiado	10126	EXT	87°58'51"		97°23'53"		1,500	45,2250	44,8480		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL5	E	1,602				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	10127	BAT	112°51'45"		94°15'40"		1,500	8,2600	8,2370		
Irradiado	10128	BAT	83°47'02"		97°35'19"		1,500	46,2970	45,8910		
Irradiado	10129	BAT	121°46'16"		93°12'40"		1,500	9,0130	8,9990		
Irradiado	10130	BAT	93°16'30"		96°55'31"		1,500	45,5780	45,2450		
Irradiado	10131	BAT	168°18'35"		93°30'59"		1,500	1,3950	1,3920		
Irradiado	10132	BAT	74°11'04"		113°26'15"		1,500	0,4070	0,3730		
Irradiado	10133	BAT	300°10'59"		88°25'45"		1,500	1,4550	1,4550		
Irradiado	10134	EXT	89°22'54"		93°37'13"		1,500	64,5750	64,4460		
Irradiado	10135	BAT	85°35'25"		94°04'52"		1,500	64,6360	64,4720		
Irradiado	10136	BAT	342°10'35"		91°21'47"		1,500	7,8810	7,8790		
Irradiado	10137	BAT	349°35'25"		91°45'32"		1,500	8,1340	8,1300		
Irradiado	10138	BAT	93°12'22"		93°06'42"		1,500	63,8340	63,7400		
Irradiado	10139	BAT	352°56'06"		91°19'21"		1,500	10,3520	10,3490		
Irradiado	10140	BAT	268°40'03"		87°08'02"		1,500	20,8020	20,7760		
Irradiado	10141	BAT	86°51'25"		92°19'40"		1,500	76,6330	76,5700		
Irradiado	10142	BAT	92°05'39"		91°52'46"		1,500	76,4110	76,3700		
Irradiado	10143	BAT	284°44'51"		87°37'43"		1,500	22,4670	22,4480		
Irradiado	10144	EXT	89°01'23"		92°08'38"		1,500	76,5960	76,5430		
Irradiado	10145	EXT	274°35'39"		87°20'15"		1,500	20,7940	20,7720		
Irradiado	10146	BAT	86°45'28"		92°15'37"		1,500	89,8980	89,8280		
Irradiado	10147	BAT	91°22'34"		91°45'59"		1,500	89,6930	89,6510		
Irradiado	10148	EXT	271°29'25"		88°00'11"		1,500	44,6300	44,6030		
Irradiado	10149	EXT	89°00'34"		91°57'15"		1,500	89,8740	89,8220		
Irradiado	10150	BAT	276°57'15"		88°08'50"		1,500	44,7410	44,7170		
Irradiado	10151	BAT	268°18'28"		87°49'01"		1,500	43,7630	43,7310		
Irradiado	10152	CA	93°54'28"		91°02'50"		1,500	84,5480	84,5340		
Irradiado	10153	CA	94°31'10"		91°25'51"		1,500	77,1910	77,1670		
Irradiado	10154	SO	94°03'19"		90°25'40"		1,500	83,3120	83,3100		
Irradiado	10155	BAT	267°59'08"		88°22'11"		1,500	70,4200	70,3920		
Irradiado	10156	BAT	274°10'09"		88°39'08"		1,500	70,5130	70,4940		
Irradiado	10157	CERV	84°40'32"		92°22'38"		1,500	76,4810	76,4150		
Irradiado	10158	CERD	82°13'52"		96°27'21"		1,500	56,0760	55,7200		
Irradiado	10159	BAT	272°34'51"		88°54'08"		1,500	94,2890	94,2720		
Irradiado	10160	BAT	267°52'15"		88°46'51"		1,500	93,8410	93,8200		
Irradiado	10161	EXT	269°46'44"		88°49'35"		1,500	94,0180	93,9990		
Irradiado	10162	CERV	266°51'06"		88°27'39"		1,700	88,3230	88,2910		
Irradiado	10163	CERD	266°48'41"		88°28'18"		1,500	76,3210	76,2940		
Irradiado	10164	CED	266°46'01"		88°25'00"		1,500	74,9400	74,9110		
Irradiado	10165	PC	267°37'48"		88°25'41"		1,500	79,5740	79,5440		
Irradiado	10166	CED	266°46'19"		88°08'48"		1,500	67,9020	67,8660		
Irradiado	10167	CERD	266°37'58"		88°14'33"		1,500	64,3760	64,3460		
Irradiado	10168	CA	202°40'32"		86°42'59"		1,500	2,9500	2,9450		
Irradiado	10169	CED	266°34'49"		87°26'50"		1,500	51,5240	51,4730		
Irradiado	10170	CA	266°20'09"		86°54'51"		1,500	40,9760	40,9160		
Irradiado	10171	CA	266°07'47"		87°33'12"		1,500	37,8810	37,8460		
Irradiado	10172	MED	184°54'28"		86°17'18"		1,500	8,6040	8,5860		
Irradiado	10173	PC	267°22'59"		87°40'26"		1,500	40,1900	40,1570		
Irradiado	10174	CED	265°40'10"		87°15'35"		1,500	27,9140	27,8830		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL5	E	1,602				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	10175	CERD	265°22'29"		87°02'40"		1,500	25,7890	25,7550		
Irradiado	10176	CED	265°25'05"		87°15'08"		1,500	24,3380	24,3100		
Irradiado	10177	MU	177°49'00"		87°22'16"		1,500	42,2620	42,2170		
Irradiado	10178	MCER	177°49'56"		87°22'32"		1,500	42,2660	42,2210		
Irradiado	10179	CA	264°22'30"		86°52'07"		1,500	15,5260	15,5030		
Irradiado	10180	MED	257°26'57"		85°31'55"		1,500	15,7110	15,6640		
Irradiado	10181	MED	257°09'05"		85°18'44"		1,500	14,8890	14,8390		
Irradiado	10182	CER	177°37'10"		87°20'18"		1,500	70,4560	70,3800		
Irradiado	10183	CED	305°17'52"		88°16'23"		1,500	15,7560	15,7490		
Irradiado	10184	CER	300°29'45"		88°27'51"		1,500	15,2090	15,2040		
Irradiado	10185	CERD	285°16'34"		87°45'32"		1,500	27,6130	27,5920		
Irradiado	10186	CERD	281°03'43"		88°01'39"		1,500	39,6060	39,5820		
Irradiado	10187	CERD	278°08'09"		88°19'23"		1,500	53,3750	53,3520		
Irradiado	10188	CERD	276°12'27"		88°45'20"		1,500	66,7750	66,7590		
Irradiado	10189	PC	177°20'13"		87°19'38"		1,500	41,1510	41,1060		
Irradiado	10190	CER	287°53'56"		86°58'50"		4,600	69,6740	69,5770		
Irradiado	10191	CER	284°31'55"		88°36'20"		2,600	80,5290	80,5050		
Irradiado	10192	CER	274°13'54"		88°49'26"		1,500	77,0550	77,0390		
Irradiado	10193	EXT	172°16'25"		87°55'55"		1,500	41,4140	41,3870		
Irradiado	10194	CER	273°50'31"		88°57'44"		1,500	90,0320	90,0170		
Irradiado	10195	CER	281°53'31"		87°43'04"		4,000	93,4580	93,3840		
Irradiado	10196	CER	280°04'27"		87°52'44"		1,500	103,0940	103,0240		
Irradiado	10197	BAT	166°02'05"		88°28'54"		1,500	42,2070	42,1920		
Irradiado	10198	BAT	176°12'31"		87°30'52"		1,500	40,5720	40,5330		
Irradiado	10199	BAT	176°13'30"		87°32'03"		1,500	40,5660	40,5280		
Irradiado	10200	SO	328°05'05"		88°01'12"		1,500	11,3060	11,2990		
Irradiado	10201	SO	265°57'19"		86°59'19"		1,500	33,2660	33,2200		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J4	E	1,530				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL5		332°41'24"	152°41'23"	92°21'47"	267°38'11"	1,500	222,4810	222,2920		
Auxiliar	J4.1	A	332°39'58"	152°39'44"	92°09'58"	267°50'01"	1,500	133,8400	133,7440	X	
Auxiliar	J4.2	A	335°40'24"	155°40'18"	92°04'30"	267°55'33"	1,500	70,9790	70,9330		
Auxiliar	J4.3	A	254°17'14"	74°17'06"	89°53'07"	270°06'55"	1,500	96,2970	96,2970		
Irradiado	10202	CER	214°16'58"		88°08'29"		1,500	2,7670	2,7660		
Irradiado	10203	CER	250°26'05"		89°51'19"		1,500	30,9320	30,9320		
Irradiado	10204	CERV	250°31'49"		89°51'19"		1,500	30,9720	30,9720		
Irradiado	10205	BAT	252°34'59"		89°50'18"		1,500	94,5020	94,5020		
Irradiado	10206	BAT	253°17'10"		89°50'48"		1,500	94,4000	94,4000		
Irradiado	10207	BAT	253°24'25"		89°51'05"		1,500	92,9930	92,9930		
Irradiado	10208	CERV	252°09'17"		89°44'08"		1,500	55,4930	55,4920		
Irradiado	10209	CERV	252°35'12"		89°44'08"		1,500	67,4390	67,4380		
Irradiado	10210	BAT	258°46'38"		90°01'06"		1,500	94,5490	94,5490		
Irradiado	10211	BAT	258°09'51"		90°00'22"		1,500	93,4180	93,4180		
Irradiado	10212	BAT	258°19'55"		89°59'36"		1,500	91,4240	91,4240		
Irradiado	10213	CA	252°14'12"		89°44'57"		1,500	75,1000	75,0990		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J4	E	1,530				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	10214	CA	252°20'49"		89°47'01"		1,500	87,1710	87,1710		
Irradiado	10215	BAT	259°00'34"		90°01'44"		1,500	102,4680	102,4680		
Irradiado	10216	BAT	257°55'31"		90°00'03"		1,500	103,4730	103,4730		
Irradiado	10217	BAT	253°33'38"		89°55'05"		1,500	102,9540	102,9540		
Irradiado	10218	BAT	257°16'34"		90°00'25"		1,500	106,5940	106,5940		
Irradiado	10219	BAT	252°40'55"		89°53'12"		1,500	101,5760	101,5760		
Irradiado	10220	BAT	252°19'15"		89°52'23"		1,500	100,9500	100,9500		
Irradiado	10221	EXT	255°51'14"		89°56'47"		1,500	96,7430	96,7430		
Irradiado	10222	BAT	259°35'20"		89°56'54"		1,500	75,2830	75,2830		
Irradiado	10223	BAT	253°47'43"		89°49'48"		1,500	75,6660	75,6660		
Irradiado	10224	EXT	256°23'04"		89°49'06"		1,500	75,2260	75,2260		
Irradiado	10225	EXT	257°47'02"		89°56'19"		1,500	50,2440	50,2440		
Irradiado	10226	BAT	253°13'19"		89°47'25"		1,500	50,0380	50,0370		
Irradiado	10227	BAT	262°01'46"		89°56'27"		1,500	50,4270	50,4270		
Irradiado	10228	ARV	268°09'36"		90°11'39"		1,500	32,1930	32,1930		
Irradiado	10229	BAT	253°05'57"		89°49'43"		1,500	24,3410	24,3410		
Irradiado	10230	BAT	270°22'33"		90°23'52"		1,500	25,3010	25,3010		
Irradiado	10231	EXT	261°55'13"		90°07'12"		1,500	24,6210	24,6210		
Irradiado	10232	BAT	313°55'41"		91°33'30"		1,500	10,2880	10,2840		
Irradiado	10233	BAT	323°41'48"		91°47'53"		1,500	10,6700	10,6650		
Irradiado	10234	BAT	249°29'49"		89°53'37"		1,500	3,3000	3,3000		
Irradiado	10235	BAT	224°15'29"		90°39'50"		1,500	1,6120	1,6120		
Irradiado	10236	BAT	326°29'17"		91°47'22"		1,500	14,7960	14,7890		
Irradiado	10237	BAT	173°35'04"		88°39'05"		1,500	2,5360	2,5350		
Irradiado	10238	EXT	14°15'10"		92°53'47"		1,500	4,0310	4,0260		
Irradiado	10239	BAT	22°33'31"		92°22'09"		1,500	9,9080	9,9000		
Irradiado	10240	BAT	28°23'16"		92°18'39"		1,500	9,8700	9,8620		
Irradiado	10241	BAT	91°02'10"		90°25'16"		1,500	8,9110	8,9110		
Irradiado	10242	BAT	36°32'36"		92°05'29"		1,500	11,5930	11,5860		
Irradiado	10243	BAT	78°58'43"		90°38'29"		1,500	8,7720	8,7720		
Irradiado	10244	BAT	74°59'12"		90°52'09"		1,500	12,0070	12,0060		
Irradiado	10245	BAT	59°35'42"		91°19'57"		1,500	32,3030	32,2950		
Irradiado	10246	CER	56°54'34"		91°19'24"		1,500	32,6380	32,6290		
Irradiado	10247	BAT	73°34'08"		90°56'39"		1,500	30,9450	30,9410		
Irradiado	10248	EXT	68°04'15"		91°08'37"		1,500	31,0390	31,0330		
Irradiado	10249	CERD	76°44'19"		91°03'05"		1,500	41,5950	41,5880		
Irradiado	10250	BAT	65°34'44"		90°16'27"		2,500	52,4500	52,4490		
Irradiado	10251	BAT	74°13'40"		91°19'18"		1,500	52,7020	52,6880		
Irradiado	10252	EXT	69°37'39"		90°05'51"		2,500	51,8580	51,8580		
Irradiado	10253	CERD	64°31'14"		90°18'43"		2,500	55,8910	55,8900		
Irradiado	10254	BAT	73°53'10"		90°48'20"		2,500	73,5600	73,5530		
Irradiado	10255	BAT	68°09'28"		90°52'03"		2,500	73,8670	73,8590		
Irradiado	10256	EXT	71°31'46"		90°44'25"		2,500	73,5550	73,5490		
Irradiado	10257	CERV	67°47'56"		90°31'43"		3,000	79,4470	79,4440		
Irradiado	10258	CER	85°06'00"		89°42'42"		1,500	9,6510	9,6510		
Irradiado	10259	BAT	140°34'02"		88°56'46"		1,500	35,2250	35,2190		
Irradiado	10260	BAT	153°43'32"		88°38'46"		1,500	35,3850	35,3750		
Irradiado	10261	EXT	146°56'44"		88°50'03"		1,500	35,1420	35,1340		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J4	E	1,530				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irrradiado	10262	CERD	156°15'40"		88°35'31"		1,500	44,7570	44,7430		
Irrradiado	10263	CERD	140°04'59"		88°52'18"		1,500	39,0000	38,9920		
Irrradiado	10264	CERD	142°44'19"		88°51'34"		1,500	51,4610	51,4510		
Irrradiado	10265	CER	155°01'23"		88°39'24"		1,500	74,9970	74,9760		
Irrradiado	10266	CERD	144°16'53"		88°51'22"		1,500	63,5710	63,5580		
Irrradiado	10267	CER	145°21'49"		88°52'11"		1,500	76,5420	76,5270		
Irrradiado	10268	BAT	146°32'07"		88°51'15"		1,500	75,1090	75,0940		
Irrradiado	10269	BAT	153°45'34"		88°40'24"		1,500	74,2270	74,2070		
Irrradiado	10270	BAT	146°33'26"		88°52'34"		1,500	76,9270	76,9120		
Irrradiado	10271	BAT	144°33'18"		88°55'41"		1,500	78,1730	78,1590		
Irrradiado	10272	BAT	146°07'28"		88°54'33"		1,500	87,5900	87,5740		
Irrradiado	10273	BAT	154°00'01"		88°40'07"		1,500	75,3830	75,3630		
Irrradiado	10274	BAT	147°07'18"		88°53'35"		1,500	87,2360	87,2200		
Irrradiado	10275	BAT	155°53'19"		88°39'43"		1,500	76,5590	76,5380		
Irrradiado	10276	BAT	147°38'51"		88°53'04"		1,500	89,3630	89,3460		
Irrradiado	10277	BAT	154°11'52"		88°44'32"		1,500	88,2050	88,1840		
Irrradiado	10278	BAT	154°41'25"		88°43'40"		1,500	86,1430	86,1220		
Irrradiado	10279	BAT	155°47'48"		88°41'30"		1,500	86,4010	86,3790		
Irrradiado	10280	EXT	150°04'14"		88°45'49"		1,500	82,0940	82,0750		
Irrradiado	10281	BAT	165°56'41"		88°30'56"		1,500	85,2290	85,2010		
Irrradiado	10282	BAT	167°08'35"		88°30'51"		1,500	77,6390	77,6130		
Irrradiado	10283	EXT	166°43'26"		88°30'48"		1,500	81,6840	81,6570		
Irrradiado	10284	CERV	173°17'57"		88°27'01"		1,500	76,7010	76,6730		
Irrradiado	10285	EXT	183°08'07"		87°46'30"		2,600	87,7090	87,6430		
Irrradiado	10286	BAT	181°50'31"		87°47'22"		2,600	92,7040	92,6350		
Irrradiado	10287	BAT	187°50'42"		87°43'17"		2,600	86,0450	85,9770		
Irrradiado	10288	CERV	189°17'51"		88°27'31"		1,500	85,3420	85,3110		
Irrradiado	10289	CER	29°00'06"		92°05'21"		1,500	40,9020	40,8740		
Irrradiado	10290	CER	347°43'40"		92°01'15"		1,500	29,5310	29,5130		
Irrradiado	10291	BAT	345°00'39"		92°03'55"		1,500	29,2930	29,2740		
Irrradiado	10292	CERD	340°57'14"		91°58'56"		1,500	53,4180	53,3860		
Irrradiado	10293	CERV	339°38'18"		92°00'15"		1,500	63,6250	63,5860		
Irrradiado	10294	BAT	329°44'19"		91°53'08"		1,500	29,3540	29,3390		
Irrradiado	10295	CERV	338°57'15"		92°04'30"		1,500	72,9200	72,8720		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J4.2	E	1,612				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	J4		359°59'59"	179°59'51"	88°03'14"	271°56'49"	1,500	70,9780	70,9370		
Irrradiado	10296	BAT	217°27'20"		95°05'19"		1,500	3,5810	3,5670		
Irrradiado	10297	BAT	257°39'06"		93°08'19"		1,500	3,0700	3,0650		
Irrradiado	10298	BAT	268°52'19"		90°49'12"		1,500	6,0990	6,0990		
Irrradiado	10299	BAT	341°22'04"		88°26'00"		1,500	8,2360	8,2330		
Irrradiado	10300	BAT	327°33'17"		89°03'52"		1,500	7,4840	7,4830		
Irrradiado	10301	BAT	312°41'04"		89°12'10"		1,500	8,1000	8,0990		
Irrradiado	10302	EXT	26°12'26"		90°40'27"		1,500	3,5160	3,5160		
Irrradiado	10303	EXT	278°31'28"		90°34'34"		1,500	27,6020	27,6010		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J4.2	E	1,612				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irrradiado	10304	BAT	284°34'26"		90°27'36"		1,500	27,9940	27,9940		
Irrradiado	10305	BAT	271°01'51"		90°34'16"		1,500	27,4630	27,4620		
Irrradiado	10306	CERD	284°32'43"		90°51'23"		1,500	39,0290	39,0240		
Irrradiado	10307	CERD	269°07'30"		91°07'20"		1,500	36,6510	36,6440		
Irrradiado	10308	BAT	271°35'08"		91°35'29"		1,500	59,4090	59,3860		
Irrradiado	10309	BAT	279°10'05"		91°27'23"		1,500	61,8700	61,8500		
Irrradiado	10310	EXT	275°26'34"		88°39'54"		4,600	59,6380	59,6220		
Irrradiado	10311	CERD	270°34'01"		91°49'20"		1,500	65,7310	65,6980		
Irrradiado	10312	CERD	279°38'55"		89°29'56"		4,600	74,5130	74,5100		
Irrradiado	10313	CERV	192°36'27"		92°33'10"		1,500	15,4000	15,3850		
Irrradiado	10314	CA	213°02'51"		92°24'29"		1,500	15,8060	15,7920		
Irrradiado	10315	CA	239°43'00"		91°41'24"		1,500	10,2960	10,2920		
Irrradiado	10316	CA	254°18'42"		91°08'19"		1,500	19,5170	19,5130		
Irrradiado	10317	SO	227°06'00"		90°42'05"		1,500	11,9370	11,9360		
Irrradiado	10318	BAT	62°09'00"		90°19'08"		1,500	6,7430	6,7430		
Irrradiado	10319	BAT	186°38'27"		92°28'41"		1,500	14,0240	14,0110		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J4.1	E	1,577				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	J4		359°59'59"	179°59'49"	87°53'46"	272°06'19"	1,500	133,8320	133,7420		
Irrradiado	10320	CERV	9°24'19"		86°52'01"		1,500	32,3220	32,2740		
Irrradiado	10321	CER	48°02'02"		87°02'09"		1,500	4,8610	4,8550		
Irrradiado	10322	CER	60°08'59"		87°31'06"		1,500	5,5700	5,5650		
Irrradiado	10323	BAT	17°04'37"		87°57'06"		1,500	3,3620	3,3600		
Irrradiado	10324	BAT	350°27'59"		87°24'23"		1,500	29,6570	29,6270		
Irrradiado	10325	BAT	47°21'15"		92°03'07"		1,500	0,8490	0,8490		
Irrradiado	10326	BAT	89°27'10"		89°31'20"		1,500	3,6770	3,6770		
Irrradiado	10327	EXT	358°40'49"		87°23'18"		1,500	29,1310	29,1010		
Irrradiado	10328	BAT	4°43'51"		87°14'02"		1,500	28,9660	28,9330		
Irrradiado	10329	BAT	149°48'11"		91°28'52"		1,500	8,5280	8,5250		
Irrradiado	10330	BAT	158°43'39"		92°25'19"		1,500	7,4500	7,4430		
Irrradiado	10331	BAT	171°08'16"		92°41'35"		1,500	9,4190	9,4090		
Irrradiado	10332	BAT	305°36'05"		89°23'24"		1,500	7,1900	7,1900		
Irrradiado	10333	BAT	214°40'00"		93°48'31"		1,500	12,5830	12,5550		
Irrradiado	10334	BAT	290°53'00"		90°15'11"		1,500	7,4000	7,4000		
Irrradiado	10335	BAT	224°51'10"		94°29'14"		1,500	9,2920	9,2640		
Irrradiado	10336	BAT	283°08'39"		90°32'26"		1,500	8,9480	8,9480		
Irrradiado	10337	BAT	237°07'54"		93°52'54"		1,500	10,8060	10,7810		
Irrradiado	10338	EXT	222°43'12"		93°02'07"		1,500	3,2880	3,2830		
Irrradiado	10339	PC	50°32'34"		87°50'01"		1,500	2,2110	2,2090		
Irrradiado	10340	CER	294°46'19"		89°41'11"		1,500	8,0680	8,0680		
Irrradiado	10341	CER	254°44'18"		91°03'31"		1,500	20,6690	20,6660		
Irrradiado	10342	CER	233°47'39"		90°42'10"		2,500	26,4840	26,4820		
Irrradiado	10343	CA	238°59'23"		92°17'47"		1,500	29,6130	29,5900		
Irrradiado	10344	CA	257°23'41"		91°01'07"		1,500	24,8220	24,8180		
Irrradiado	10345	CERD	282°00'38"		90°04'26"		1,500	20,2610	20,2610		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J4.1	E	1,577				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	10346	SO	253°18'38"		91°05'25"		1,500	25,6230	25,6190		
Irradiado	10347	CA	290°21'45"		88°45'36"		1,500	21,7160	21,7110		
Irradiado	10348	CA	261°36'48"		91°12'30"		1,500	31,5960	31,5890		
Irradiado	10349	CA	263°39'36"		91°19'07"		1,500	36,9370	36,9270		
Irradiado	10350	CA	285°10'19"		90°15'17"		1,500	32,2660	32,2660		
Irradiado	10351	BAT	265°48'47"		91°10'06"		1,500	36,8650	36,8570		
Irradiado	10352	BAT	275°31'57"		90°35'54"		1,500	36,9190	36,9170		
Irradiado	10353	EXT	269°54'49"		90°55'28"		1,500	36,7240	36,7190		
Irradiado	10354	CERV	278°44'54"		90°25'33"		1,500	32,1460	32,1460		
Irradiado	10355	PC	277°01'26"		90°30'23"		1,500	38,1010	38,0990		
Irradiado	10356	CED	265°16'05"		91°06'51"		1,500	43,7550	43,7460		
Irradiado	10357	CERD	265°28'31"		91°12'18"		1,500	44,9070	44,8970		
Irradiado	10358	CERV	277°14'20"		90°26'21"		1,500	56,5400	56,5380		
Irradiado	10359	CED	266°26'25"		91°05'50"		1,500	49,2300	49,2210		
Irradiado	10360	CED	267°28'32"		91°07'29"		1,500	56,2020	56,1910		
Irradiado	10361	CERV	267°34'58"		91°07'30"		1,500	57,2540	57,2430		
Irradiado	10362	CERV	276°47'42"		90°45'33"		1,500	68,3280	68,3220		
Irradiado	10363	CA	268°05'15"		91°00'41"		1,500	61,0710	61,0610		
Irradiado	10364	CA	279°38'46"		90°30'30"		1,500	60,4080	60,4050		
Irradiado	10365	CA	278°51'36"		90°40'23"		1,500	67,4770	67,4720		
Irradiado	10366	CA	268°46'07"		91°06'18"		1,500	68,0230	68,0100		
Irradiado	10367	BAT	269°11'26"		90°56'43"		1,500	60,4750	60,4670		
Irradiado	10368	BAT	275°07'50"		90°43'47"		1,500	60,2870	60,2820		
Irradiado	10369	EXT	272°09'58"		90°48'37"		1,500	60,3430	60,3370		
Irradiado	10370	CERV	268°53'08"		91°05'46"		1,500	69,1550	69,1420		
Irradiado	10371	MUV	276°37'00"		90°49'34"		1,500	78,3080	78,3000		
Irradiado	10372	CA	268°23'04"		89°14'06"		3,500	72,9290	72,9230		
Irradiado	10373	CA	268°52'34"		91°11'28"		1,500	80,2750	80,2580		
Irradiado	10374	MCER	276°27'16"		91°02'39"		1,500	90,7270	90,7120		
Irradiado	10375	CERD	269°40'35"		91°16'35"		1,500	82,2930	82,2730		
Irradiado	10376	PC	275°57'54"		90°52'58"		1,500	79,0470	79,0380		
Irradiado	10377	CERV	276°24'45"		91°12'31"		2,600	101,7880	101,7660		
Irradiado	10378	CA	277°42'46"		89°36'09"		3,000	80,1260	80,1240		
Irradiado	10379	CA	277°29'32"		89°42'31"		3,000	87,9370	87,9360		
Irradiado	10380	BAT	270°36'29"		91°28'18"		1,500	89,5570	89,5280		
Irradiado	10381	BAT	275°04'36"		91°15'34"		1,500	89,0780	89,0570		
Irradiado	10382	EXT	273°04'21"		91°22'20"		1,500	88,9960	88,9710		
Irradiado	10383	EXT	103°03'23"		89°14'58"		1,500	14,9170	14,9160		
Irradiado	10384	BAT	117°04'11"		89°32'11"		1,500	16,7480	16,7480		
Irradiado	10385	BAT	92°53'45"		88°43'40"		1,500	15,3860	15,3820		
Irradiado	10386	EXT	93°15'48"		88°46'03"		1,500	37,1970	37,1880		
Irradiado	10387	BAT	98°27'16"		88°53'36"		1,500	37,6110	37,6040		
Irradiado	10388	BAT	101°46'00"		89°04'12"		1,500	38,1880	38,1830		
Irradiado	10389	BAT	99°10'52"		89°06'15"		1,500	65,8150	65,8070		
Irradiado	10390	CERD	82°07'45"		88°06'59"		1,500	15,1030	15,0950		
Irradiado	10391	CA	41°50'43"		86°41'36"		1,500	7,7180	7,7050		
Irradiado	10392	CA	67°44'26"		87°41'08"		1,500	13,5800	13,5690		
Irradiado	10393	EXT	95°40'24"		88°59'44"		1,500	65,5560	65,5460		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J4.1	E	1,577				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irrradiado	10394	CED	163°35'08"		91°32'40"		1,500	19,4320	19,4250		
Irrradiado	10395	CER	172°37'45"		92°36'53"		1,500	18,3480	18,3290		
Irrradiado	10396	BAT	93°45'13"		88°57'17"		1,500	66,0950	66,0840		
Irrradiado	10397	CED	149°15'13"		91°04'23"		1,500	22,2110	22,2070		
Irrradiado	10398	CER	139°23'02"		93°42'38"		0,200	25,6730	25,6200		
Irrradiado	10399	CERD	126°35'16"		89°42'02"		1,500	21,0230	21,0230		
Irrradiado	10400	BAT	93°52'45"		89°03'41"		1,500	88,5870	88,5750		
Irrradiado	10401	BAT	93°53'44"		89°05'45"		1,500	88,5770	88,5660		
Irrradiado	10402	CA	68°39'16"		87°36'29"		1,500	17,7580	17,7430		
Irrradiado	10403	CA	75°54'23"		87°58'25"		1,500	24,6250	24,6100		
Irrradiado	10404	EXT	95°51'56"		89°08'19"		1,500	88,3880	88,3780		
Irrradiado	10405	CERD	87°25'43"		88°28'10"		1,500	29,2090	29,1990		
Irrradiado	10406	CERD	113°50'41"		89°24'52"		1,500	32,8790	32,8770		
Irrradiado	10407	CED	111°39'10"		89°25'09"		1,500	36,0150	36,0130		
Irrradiado	10408	CA	107°44'47"		89°16'54"		1,500	35,4490	35,4460		
Irrradiado	10409	BAT	97°54'26"		89°13'14"		1,500	88,6860	88,6780		
Irrradiado	10410	CA	105°32'22"		89°15'42"		1,500	41,9890	41,9850		
Irrradiado	10411	PC	91°55'42"		88°41'12"		1,500	40,5090	40,4980		
Irrradiado	10412	CERD	89°05'10"		88°36'29"		1,500	40,6730	40,6610		
Irrradiado	10413	CED	89°13'49"		88°40'01"		1,500	41,7490	41,7370		
Irrradiado	10414	CA	107°02'33"		85°27'55"		4,600	44,9230	44,7820		
Irrradiado	10415	CA	105°37'33"		86°02'09"		4,600	51,2990	51,1760		
Irrradiado	10416	CA	89°56'49"		88°42'02"		1,500	49,2220	49,2090		
Irrradiado	10417	CER	102°44'15"		89°06'59"		1,500	54,1000	54,0930		
Irrradiado	10418	CERV	92°13'48"		88°52'01"		1,500	64,8890	64,8760		
Irrradiado	10419	CERV	92°30'59"		88°52'30"		1,500	76,8850	76,8700		
Irrradiado	10420	CERD	99°58'54"		89°09'30"		1,500	78,5220	78,5140		
Irrradiado	10421	CA	100°46'40"		89°10'53"		1,500	80,6300	80,6220		
Irrradiado	10422	CA	100°29'57"		89°16'26"		1,500	87,6060	87,5990		
Irrradiado	10423	CERD	98°59'14"		89°16'43"		1,500	90,7730	90,7660		
Irrradiado	10424	PC	93°00'49"		89°02'09"		1,500	86,2950	86,2830		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J2	E	1,589				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	J1		359°59'59"	179°59'55"	90°10'06"	269°49'56"	1,500	78,4930	78,4930		
Irrradiado	10425	CA	212°06'14"		89°27'46"		1,500	14,9600	14,9600		
Irrradiado	10426	CA	200°52'44"		89°25'58"		1,500	21,5440	21,5430		
Irrradiado	10427	CA	195°41'38"		89°35'32"		1,500	22,4840	22,4840		
Irrradiado	10428	CA	189°14'23"		90°00'12"		1,500	32,9880	32,9880		
Irrradiado	10429	BAT	260°31'57"		90°23'00"		1,500	2,5140	2,5140		
Irrradiado	10430	BAT	301°57'17"		94°58'49"		1,500	0,8690	0,8660		
Irrradiado	10431	BAT	355°13'19"		91°28'54"		1,500	2,1790	2,1780		
Irrradiado	10432	CA	343°41'16"		86°26'39"		2,700	25,2150	25,1670		
Irrradiado	10433	CA	333°49'41"		85°00'18"		2,500	14,9550	14,8980		
Irrradiado	10434	BAT	175°46'37"		91°01'21"		1,500	8,9750	8,9740		
Irrradiado	10435	BAT	180°22'38"		91°19'11"		1,500	7,5610	7,5590		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J2	E	1,589				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irrradiado	10436	BAT	191°59'58"		91°04'00"		1,500	7,0070	7,0060		
Irrradiado	10437	BAT	255°33'11"		88°18'11"		1,500	31,3970	31,3840		
Irrradiado	10438	EXT	261°00'41"		88°16'32"		1,500	30,9890	30,9750		
Irrradiado	10439	BAT	267°17'08"		88°18'25"		1,500	30,8100	30,7970		
Irrradiado	10440	CERDV	272°02'14"		88°16'45"		1,500	32,2580	32,2440		
Irrradiado	10441	CERD	252°50'59"		88°17'55"		1,500	31,6990	31,6850		
Irrradiado	10442	CA	252°26'40"		88°01'02"		1,500	34,9140	34,8930		
Irrradiado	10443	CA	256°06'50"		88°12'28"		1,500	44,1570	44,1350		
Irrradiado	10444	PC	269°58'00"		88°07'05"		1,500	41,2950	41,2720		
Irrradiado	10445	CERV	269°49'36"		88°07'08"		1,500	45,7220	45,6970		
Auxiliar	J2.1	A	267°53'20"	87°53'15"	88°21'48"	271°38'14"	1,500	209,7920	209,7060		
Irrradiado	10446	CED	257°23'14"		88°20'40"		1,500	56,2490	56,2250		
Irrradiado	10447	CED	271°08'49"		88°07'16"		1,500	49,5000	49,4730		
Irrradiado	10448	CA	270°43'06"		88°06'37"		1,500	56,9980	56,9670		
Irrradiado	10449	CERD	269°37'21"		88°05'46"		1,500	58,1650	58,1330		
Irrradiado	10450	CERD	259°27'44"		88°15'47"		1,500	57,6620	57,6350		
Irrradiado	10451	CERD	260°58'37"		88°13'59"		1,500	69,7270	69,6940		
Irrradiado	10452	CERD	269°27'56"		88°16'39"		1,500	70,4800	70,4480		
Irrradiado	10453	BAT	262°07'49"		88°14'50"		1,500	70,0690	70,0360		
Irrradiado	10454	BAT	268°05'35"		88°17'08"		1,500	70,5600	70,5280		
Irrradiado	10455	EXT	265°32'27"		88°17'04"		1,500	70,5510	70,5190		
Irrradiado	10456	CERD	269°30'24"		88°07'32"		1,500	82,3900	82,3460		
Irrradiado	10457	CERD	262°02'28"		88°12'30"		1,500	83,8060	83,7650		
Irrradiado	10458	PC	269°13'40"		88°08'23"		1,500	82,8150	82,7720		
Irrradiado	10459	CERV	262°43'01"		88°13'28"		1,500	96,6020	96,5560		
Irrradiado	10460	CER	269°23'28"		88°13'23"		1,500	111,9680	111,9140		
Irrradiado	10461	CA	262°23'42"		88°15'44"		1,500	102,8070	102,7600		
Irrradiado	10462	CA	262°43'29"		88°14'58"		1,500	109,7370	109,6850		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J4.3	E	1,528				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	J4		0°00'00"	179°59'55"	90°09'29"	269°50'25"	1,500	96,3050	96,3050		
Irrradiado	10463	CA	50°26'17"		88°42'44"		1,500	14,8830	14,8790		
Irrradiado	10464	CA	129°34'07"		89°01'27"		1,500	22,5790	22,5760		
Irrradiado	10465	CA	152°15'37"		89°22'30"		1,500	15,9100	15,9090		
Irrradiado	10466	CA	161°04'33"		89°41'58"		1,500	22,2130	22,2130		
Irrradiado	10467	CERD	174°45'23"		90°01'44"		1,500	22,7010	22,7010		
Irrradiado	10468	CA	315°05'31"		90°49'46"		1,500	16,8790	16,8770		
Irrradiado	10469	BAT	177°58'57"		90°16'06"		1,500	36,4250	36,4240		
Irrradiado	10470	BAT	190°04'07"		90°38'20"		1,500	35,6640	35,6610		
Irrradiado	10471	EXT	183°34'31"		90°31'34"		1,500	35,3420	35,3400		
Irrradiado	10472	CERD	191°48'57"		90°23'01"		1,500	35,6960	35,6950		
Irrradiado	10473	CERD	177°05'19"		90°13'10"		1,500	46,6090	46,6080		
Irrradiado	10474	CERD	177°22'59"		90°16'59"		1,500	58,5900	58,5890		
Irrradiado	10475	CERD	186°57'41"		90°28'28"		1,500	59,2520	59,2500		
Irrradiado	10476	CERD	185°30'12"		90°27'23"		1,500	71,0780	71,0760		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J4.3	E	1,528				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irrradiado	10477	CA	177°24'04"		90°13'19"		1,500	61,8810	61,8800		
Irrradiado	10478	CA	177°31'52"		90°13'16"		1,500	69,9290	69,9290		
Irrradiado	10479	CA	177°34'13"		90°14'15"		1,500	71,9040	71,9030		
Irrradiado	10480	CED	177°42'20"		90°11'03"		1,500	79,2020	79,2020		
Irrradiado	10481	CERD	184°00'09"		90°22'12"		1,500	94,9000	94,8980		
Irrradiado	10482	PC	178°22'02"		90°17'04"		1,500	79,2300	79,2290		
Irrradiado	10483	CED	177°42'58"		90°09'02"		1,700	84,5350	84,5350		
Irrradiado	10484	CED	177°53'01"		90°16'59"		1,500	91,5130	91,5120		
Irrradiado	10485	BAT	184°36'17"		90°28'03"		1,500	69,8170	69,8150		
Irrradiado	10486	BAT	178°19'59"		90°21'43"		1,500	68,5630	68,5620		
Irrradiado	10487	EXT	181°27'09"		90°27'56"		1,500	68,4420	68,4400		
Irrradiado	10488	BAT	178°45'13"		90°22'22"		1,500	94,1060	94,1040		
Irrradiado	10489	BAT	183°23'12"		90°24'33"		1,500	93,5880	93,5860		
Irrradiado	10490	EXT	180°53'33"		90°24'35"		1,500	94,2030	94,2010		
Irrradiado	10491	EXT	181°20'18"		90°29'14"		1,500	108,5460	108,5420		
Irrradiado	10492	BAT	179°03'41"		90°26'11"		1,500	104,6300	104,6270		
Irrradiado	10493	BAT	179°03'04"		90°25'20"		1,500	106,7320	106,7290		
Irrradiado	10494	BAT	178°31'46"		90°24'47"		1,500	107,3600	107,3570		
Irrradiado	10495	CER	178°17'31"		90°22'20"		1,500	105,9860	105,9830		
Irrradiado	10496	BAT	183°26'02"		90°31'15"		1,500	101,5520	101,5480		
Irrradiado	10497	BAT	183°45'47"		90°31'38"		1,500	102,6740	102,6700		
Irrradiado	10498	BAT	184°20'26"		90°32'29"		1,500	102,7120	102,7080		
Irrradiado	10499	CER	158°51'39"		90°05'20"		1,500	6,8660	6,8660		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J2.1	E	1,548				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	J2		359°59'58"	179°59'52"	91°40'51"	268°19'01"	1,500	209,8140	209,7240		
Irrradiado	10500	CA	3°36'34"		91°15'59"		2,500	163,7290	163,6890		
Irrradiado	10501	CERD	8°41'39"		91°28'54"		1,500	58,2630	58,2430		
Irrradiado	10502	BAT	6°30'43"		91°30'18"		1,500	58,1220	58,1020		
Irrradiado	10503	EXT	2°43'17"		91°32'05"		1,500	57,7940	57,7730		
Irrradiado	10504	BAT	359°00'09"		91°30'39"		1,500	57,5920	57,5720		
Irrradiado	10505	CERD	356°09'04"		91°31'09"		1,500	46,7260	46,7090		
Irrradiado	10506	CERV	15°24'36"		91°13'23"		1,500	32,9440	32,9360		
Irrradiado	10507	CERD	11°18'22"		91°22'41"		1,500	45,8800	45,8660		
Irrradiado	10508	CA	16°21'29"		91°08'59"		1,500	42,3710	42,3620		
Irrradiado	10509	CA	19°51'26"		91°15'48"		1,500	34,9070	34,8980		
Irrradiado	10510	CER	337°20'31"		91°25'12"		1,500	9,4120	9,4090		
Irrradiado	10511	CERD	358°15'18"		91°30'02"		1,500	87,7370	87,7070		
Irrradiado	10512	CERV	81°16'47"		90°14'37"		1,500	45,0590	45,0580		
Irrradiado	10513	CER	56°06'15"		90°43'52"		1,500	53,1750	53,1700		
Irrradiado	10514	BAT	338°22'02"		91°36'45"		1,500	7,4140	7,4110		
Irrradiado	10515	BAT	325°29'04"		91°09'59"		1,500	7,2090	7,2080		
Irrradiado	10516	BAT	306°51'44"		90°10'36"		1,500	7,5840	7,5840		
Irrradiado	10517	BAT	84°06'16"		90°09'17"		1,500	44,9040	44,9030		
Irrradiado	10518	BAT	223°22'04"		90°00'27"		1,500	6,6890	6,6890		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J2.1	E	1,548				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	10519	BAT	96°22'30"		89°56'05"		1,500	44,9270	44,9270		
Irradiado	10520	BAT	207°58'58"		89°54'36"		1,500	6,0690	6,0690		
Irradiado	10521	BAT	195°15'23"		89°36'49"		1,500	7,4810	7,4810		
Irradiado	10522	BAT	96°23'26"		89°56'04"		1,500	44,9230	44,9230		
Irradiado	10523	BAT	141°18'13"		89°26'06"		1,500	8,0700	8,0700		
Irradiado	10524	EXT	88°56'28"		90°01'55"		1,500	44,3460	44,3460		
Irradiado	10525	BAT	125°32'12"		89°32'40"		1,500	7,6060	7,6060		
Irradiado	10526	BAT	114°52'39"		89°19'54"		1,500	8,7660	8,7660		
Irradiado	10527	BAT	56°41'27"		89°58'46"		1,500	7,5140	7,5140		
Irradiado	10528	BAT	41°53'10"		90°13'57"		1,500	7,5420	7,5420		
Irradiado	10529	BAT	66°02'23"		90°07'45"		1,500	8,8980	8,8980		
Irradiado	10530	EXT	77°29'07"		92°03'18"		1,500	1,0420	1,0410		
Irradiado	10531	CER	210°31'04"		89°28'36"		1,500	7,4550	7,4550		
Irradiado	10532	CERV	185°35'31"		88°47'00"		1,500	37,6240	37,6150		
Irradiado	10533	EXT	177°54'49"		88°52'14"		1,500	37,6110	37,6030		
Irradiado	10534	BAT	183°21'24"		88°50'14"		1,500	37,7540	37,7460		
Irradiado	10535	BAT	172°33'16"		88°48'56"		1,500	37,8840	37,8750		
Irradiado	10536	BAT	180°27'37"		88°47'41"		1,500	68,1870	68,1720		
Irradiado	10537	BAT	174°12'35"		88°45'43"		1,500	67,9270	67,9110		
Irradiado	10538	EXT	177°38'07"		88°46'44"		1,500	68,4620	68,4460		
Irradiado	10539	EXT	177°31'56"		88°50'32"		1,500	99,0380	99,0180		
Irradiado	10540	BAT	179°49'15"		88°47'49"		1,500	99,5030	99,4820		
Irradiado	10541	BAT	175°06'06"		88°49'54"		1,500	99,9650	99,9450		
Irradiado	10542	CERV	180°55'43"		88°47'07"		1,500	99,9680	99,9460		
Irradiado	10543	CERV	173°30'59"		88°48'24"		1,500	104,2710	104,2490		
Irradiado	10544	CERD	180°38'40"		88°48'44"		1,500	114,7400	114,7150		
Irradiado	10545	CERD	174°13'13"		88°47'55"		1,500	115,6600	115,6340		
Irradiado	10546	CER	174°49'06"		88°50'23"		1,500	127,4260	127,4000		
Irradiado	10547	CER	180°26'18"		88°49'34"		1,500	127,2860	127,2590		
Irradiado	10548	CER	175°33'48"		88°48'46"		1,500	141,1690	141,1390		
Irradiado	10549	MU	180°27'40"		88°47'33"		1,500	140,4160	140,3850		
Irradiado	10550	CERD	176°07'11"		88°48'49"		1,500	154,3190	154,2860		
Irradiado	10551	CERD	176°39'41"		88°49'28"		1,500	168,2200	168,1850		
Irradiado	10552	CER	177°09'45"		88°45'19"		1,500	183,1800	183,1360		
Irradiado	10553	MU	180°39'52"		88°28'31"		2,500	199,3510	199,2800		
Irradiado	10554	BAT	180°08'03"		88°49'30"		1,500	202,7960	202,7530		
Irradiado	10555	BAT	177°52'26"		88°49'07"		1,500	204,8440	204,8000		
Irradiado	10556	EXT	179°07'45"		88°47'58"		1,500	208,9040	208,8580		
Irradiado	10557	EXT	178°49'37"		88°49'45"		1,500	177,6310	177,5930		
Irradiado	10558	BAT	180°06'43"		88°50'02"		1,500	177,5310	177,4950		
Irradiado	10559	BAT	177°16'12"		88°49'35"		1,500	177,9570	177,9190		
Irradiado	10560	BAT	175°50'21"		88°49'21"		1,500	140,1890	140,1590		
Irradiado	10561	BAT	179°38'10"		88°50'22"		1,500	139,4500	139,4210		
Irradiado	10562	BAT	175°16'08"		88°49'50"		1,500	128,0660	128,0390		
Irradiado	10563	BAT	179°37'14"		88°50'17"		1,500	128,0990	128,0730		
Irradiado	10564	EXT	178°09'23"		88°49'52"		1,500	133,9320	133,9040		
Irradiado	10565	EXT	265°48'10"		90°15'31"		1,500	28,6470	28,6470		
Irradiado	10566	BAT	276°34'35"		90°30'55"		1,500	28,9500	28,9490		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J2.1	E	1,548				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irrradiado	10567	BAT	257°49'02"		90°02'54"		1,500	28,2360	28,2360		
Irrradiado	10568	CERD	279°40'01"		90°25'56"		1,500	29,2050	29,2050		
Irrradiado	10569	CERD	255°36'37"		89°59'22"		1,500	28,2670	28,2670		
Irrradiado	10570	CERD	276°09'11"		90°25'30"		1,500	41,0080	41,0070		
Irrradiado	10571	CERD	274°00'51"		90°23'50"		1,500	53,4400	53,4380		
Irrradiado	10572	CERV	272°50'12"		90°21'43"		1,500	65,2460	65,2450		
Irrradiado	10573	BAT	271°26'58"		90°22'31"		1,500	65,4380	65,4370		
Irrradiado	10574	BAT	264°15'24"		90°14'41"		1,500	65,3460	65,3450		
Irrradiado	10575	EXT	267°40'31"		90°18'28"		1,500	65,1250	65,1240		
Irrradiado	10576	CERD	263°28'23"		90°09'19"		1,500	76,0290	76,0290		
Irrradiado	10577	CERV	271°16'56"		90°16'13"		1,500	89,2480	89,2470		
Irrradiado	10578	CERD	264°05'59"		90°09'12"		1,500	87,8120	87,8120		
Irrradiado	10579	CERD	270°47'49"		90°17'55"		1,500	101,4150	101,4140		
Irrradiado	10580	CERV	264°51'26"		90°11'21"		1,500	99,3840	99,3840		
Irrradiado	10581	BAT	269°56'03"		90°17'19"		1,500	101,5100	101,5090		
Irrradiado	10582	BAT	265°37'45"		90°14'07"		1,500	102,2880	102,2880		
Irrradiado	10583	EXT	267°34'46"		90°16'08"		1,500	101,8100	101,8090		
Irrradiado	10584	CERV	265°16'47"		90°10'58"		1,500	111,3780	111,3770		
Irrradiado	10585	CA	270°52'23"		90°19'17"		1,500	111,4750	111,4730		
Irrradiado	10586	CA	271°34'23"		90°21'28"		1,500	122,0640	122,0610		
Irrradiado	10587	CER	266°03'05"		90°14'36"		1,500	140,6860	140,6850		
Irrradiado	10588	CER	270°27'14"		90°18'15"		1,500	136,0350	136,0330		
Irrradiado	10589	BAT	266°44'11"		90°15'51"		1,500	140,7950	140,7930		
Irrradiado	10590	BAT	270°10'59"		90°19'38"		1,500	137,0350	137,0330		
Irrradiado	10591	EXT	268°10'39"		90°19'34"		1,500	144,5840	144,5820		
Irrradiado	10592	SO	271°22'20"		90°14'57"		1,500	117,9540	117,9530		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL49	E	1,603				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL48		0°00'00"	179°59'57"	91°06'36"	268°53'19"	1,500	236,2070	236,1630		
Auxiliar	J5	A	87°01'18"	267°01'12"	91°12'58"	268°47'07"	1,500	69,1280	69,1120		
Irrradiado	10593	CER	12°23'21"		91°30'00"		1,500	11,4970	11,4930		
Irrradiado	10594	CERD	6°44'53"		91°32'10"		1,500	38,3030	38,2890		
Irrradiado	10595	CERD	1°48'07"		91°12'35"		1,500	39,5170	39,5080		
Irrradiado	10596	CERD	2°11'40"		91°14'24"		1,500	56,6570	56,6440		
Irrradiado	10597	CERD	2°57'08"	271°10'27"	89°54'58"	268°46'51"	2,500	68,9280	68,9280	X	
Auxiliar	J6	A	91°10'42"	271°10'34"	91°12'58"	268°47'02"	1,500	140,7960	140,7640		
Irrradiado	10598	PCA	353°11'30"		91°00'19"		1,500	96,9320	96,9170		
Irrradiado	10599	BAT	356°14'34"		91°10'39"		1,500	94,9970	94,9770		
Irrradiado	10600	EXT	358°37'10"		91°07'16"		1,500	94,3640	94,3460		
Irrradiado	10601	BAT	1°05'17"		91°15'13"		1,500	93,9030	93,8810		
Irrradiado	10602	BAT	359°17'19"		91°19'23"		1,500	49,7140	49,7000		
Irrradiado	10603	EXT	354°54'07"		91°08'29"		1,500	49,8520	49,8420		
Irrradiado	10604	BAT	350°42'55"		91°11'26"		1,500	50,1290	50,1180		
Irrradiado	10605	PCA	324°03'49"		90°33'01"		1,500	23,1900	23,1890		
Irrradiado	10606	CER	314°30'40"		90°22'34"		1,500	26,5570	26,5570		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL49	E	1,603				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Auxiliar	J7	A	92°23'45"	272°23'34"	91°13'26"	268°46'25"	1,500	258,7300	258,6710	X	
Irradiado	10607	BAT	357°52'37"		92°16'38"		1,500	10,0140	10,0060		
Irradiado	10608	BAT	9°46'17"		91°54'52"		1,500	9,6870	9,6820		
Irradiado	10609	BAT	85°18'21"		92°01'49"		1,500	10,8340	10,8270		
Irradiado	10610	BAT	270°26'57"		96°17'04"		1,500	1,1620	1,1550		
Irradiado	10611	EXT	318°34'06"		90°24'48"		1,500	8,3530	8,3530		
Irradiado	10612	EXT	190°43'33"		89°09'00"		1,500	39,6560	39,6510		
Irradiado	10613	BAT	185°17'39"		89°26'48"		1,500	39,1820	39,1800		
Irradiado	10614	BAT	197°00'53"		89°13'35"		1,500	40,7270	40,7230		
Irradiado	10615	CER	207°24'47"		88°54'45"		1,500	42,7330	42,7250		
Irradiado	10616	PCA	194°26'56"		89°05'18"		1,500	63,0570	63,0490		
Irradiado	10617	CER	102°00'26"		93°22'36"		1,500	3,1630	3,1580		
Irradiado	10618	CER	90°03'24"		91°31'20"		1,500	10,7370	10,7330		
Irradiado	10619	BAT	63°19'25"		91°39'34"		1,500	17,5650	17,5580		
Irradiado	10620	CERD	78°22'39"		91°27'45"		1,500	37,9050	37,8920		
Irradiado	10621	CERD	79°01'33"		91°24'28"		1,500	39,4720	39,4600		
Irradiado	10622	PC	84°31'03"		91°11'30"		1,500	52,8690	52,8570		
Irradiado	10623	BAT	84°58'17"		91°12'20"		1,500	51,8310	51,8190		
Irradiado	10624	EXT	89°06'40"		91°13'38"		1,500	50,8790	50,8670		
Irradiado	10625	BAT	93°37'51"		91°06'41"		1,500	50,6660	50,6560		
Irradiado	10626	CERD	83°59'49"		91°15'44"		1,500	55,0000	54,9870		
Auxiliar	J8	A	355°40'23"	175°40'16"	91°07'26"	268°52'36"	1,500	107,1510	107,1300		
Irradiado	10627	CA	81°31'25"		91°12'29"		1,500	62,7810	62,7670		
Irradiado	10628	CA	83°03'07"		91°11'32"		1,500	69,7910	69,7760		
Irradiado	10629	CER	86°35'34"		91°14'14"		1,500	70,1640	70,1480		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J5	E	1,585				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL49		359°59'58"	179°59'49"	88°56'53"	271°03'12"	1,500	69,1420	69,1300		
Irradiado	10630	CERD	331°44'30"		88°50'09"		1,500	18,5320	18,5290		
Irradiado	10631	CER	295°00'19"		88°36'56"		1,500	12,2870	12,2840		
Irradiado	10632	BAT	291°10'08"		89°17'04"		1,500	10,5370	10,5360		
Irradiado	10633	BAT	231°08'41"		90°14'21"		1,500	14,4190	14,4190		
Irradiado	10634	EXT	264°03'38"		90°25'31"		1,500	5,6670	5,6670		
Irradiado	10635	BAT	203°09'31"		92°58'16"		1,500	2,5950	2,5920		
Irradiado	10636	CERD	104°55'06"		91°35'42"		1,500	15,3970	15,3910		
Irradiado	10637	CERV	153°37'00"		91°47'17"		1,500	20,9960	20,9860		
Irradiado	10638	CA	124°45'14"		91°24'26"		1,500	21,7000	21,6940		
Irradiado	10639	CA	139°18'39"		91°17'58"		1,500	24,9470	24,9410		
Irradiado	10640	CERD	269°01'49"		88°11'24"		2,500	41,8130	41,7920		
Irradiado	10641	CER	264°03'33"		89°33'48"		1,500	42,4480	42,4460		
Irradiado	10641	CER	264°03'30"		89°38'29"		1,500	42,4540	42,4530		
Irradiado	10642	PC	261°41'12"		89°44'39"		1,500	42,4880	42,4870		
Irradiado	10643	PC	188°56'26"		91°26'13"		1,500	23,6560	23,6490		
Irradiado	10644	BAT	251°21'11"		89°56'05"		1,500	42,9230	42,9230		
Irradiado	10645	EXT	258°41'05"		89°47'17"		1,500	42,3870	42,3860		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J5	E	1,585				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	10646	CERV	187°33'12"		91°14'35"		1,500	28,4690	28,4630		
Irradiado	10647	CERV	252°00'56"		89°49'33"		1,500	50,9080	50,9080		
Irradiado	10648	CER	187°54'17"		91°20'59"		1,500	42,5570	42,5450		
Irradiado	10649	CER	180°29'24"		91°24'24"		1,500	43,6190	43,6060		
Irradiado	10650	CERV	252°07'39"		89°58'12"		1,500	62,5930	62,5930		
Irradiado	10651	CERD	260°16'13"		89°41'32"		1,500	68,9190	68,9180		
Irradiado	10652	CA	169°58'01"		91°25'00"		1,500	35,1790	35,1680		
Irradiado	10653	CA	175°11'38"		91°13'44"		1,500	41,6250	41,6150		
Irradiado	10654	CER	252°08'45"		89°02'23"		2,600	74,3540	74,3440		
Irradiado	10655	CER	251°25'47"		89°04'14"		2,600	74,9720	74,9620		
Irradiado	10656	CED	251°33'07"		89°53'18"		1,500	76,8490	76,8490		
Irradiado	10657	CED	251°53'20"		89°48'04"		1,500	84,5780	84,5780		
Irradiado	10658	CERD	251°56'26"		89°50'23"		1,500	86,1660	86,1660		
Irradiado	10659	CERD	202°03'29"		90°39'22"		1,500	45,1120	45,1090		
Irradiado	10660	CER	252°37'32"		89°49'56"		1,500	86,1930	86,1930		
Irradiado	10661	BAT	253°24'09"		89°49'45"		1,500	85,9720	85,9720		
Irradiado	10662	BAT	258°12'47"		89°46'22"		1,500	86,6630	86,6630		
Irradiado	10663	EXT	255°22'15"		89°45'41"		1,500	86,3820	86,3820		
Irradiado	10664	PC	188°16'30"		91°14'04"		1,500	63,9850	63,9700		
Irradiado	10665	BAT	189°39'27"		91°15'57"		1,500	65,0240	65,0080		
Irradiado	10666	CER	258°12'38"		89°44'29"		1,500	98,8470	98,8460		
Irradiado	10667	CER	252°33'14"		89°33'35"		2,000	99,4470	99,4450		
Irradiado	10668	BAT	253°07'19"		89°52'29"		1,500	100,2940	100,2940		
Irradiado	10669	BAT	257°43'09"		89°47'51"		1,500	99,4380	99,4380		
Irradiado	10670	BAT	257°43'16"		89°47'45"		1,500	109,1840	109,1830		
Irradiado	10671	BAT	253°08'40"		89°50'39"		1,500	110,2510	110,2500		
Irradiado	10672	EXT	192°18'44"		91°13'07"		1,500	65,2370	65,2220		
Irradiado	10673	EXT	255°12'23"		89°50'40"		1,500	104,1750	104,1750		
Irradiado	10674	BAT	195°48'16"		91°09'34"		1,500	65,5980	65,5850		
Irradiado	10675	CER	258°01'58"		89°42'49"		1,500	110,1270	110,1250		
Irradiado	10676	CER	252°24'10"		89°34'54"		2,500	111,5380	111,5350		
Auxiliar	J5.1	A	257°34'55"	77°34'48"	89°47'36"	270°12'30"	1,500	102,9160	102,9160		
Irradiado	10677	CA	140°28'21"		91°37'46"		1,500	49,7050	49,6850		
Irradiado	10678	CA	140°06'24"		89°27'12"		3,500	52,4480	52,4450		
Irradiado	10679	CA	143°00'11"		90°24'19"		2,500	54,3710	54,3690		
Irradiado	10680	CA	141°10'29"		88°49'29"		4,000	56,8490	56,8370		
Irradiado	10681	CA	146°46'07"		90°34'10"		2,500	61,1040	61,1010		
Irradiado	10682	CA	144°17'16"		89°01'16"		4,000	64,6410	64,6320		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J5.1	E	1,598				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	J5		359°59'59"	179°59'54"	90°18'49"	269°41'19"	1,500	102,9430	102,9420		
Irradiado	10683	BAT	178°16'16"		89°59'50"		1,500	23,4740	23,4740		
Irradiado	10684	BAT	156°52'07"		87°40'49"		2,600	24,0990	24,0800		
Irradiado	10685	EXT	169°39'33"		87°31'22"		2,600	23,2180	23,1970		
Irradiado	10686	CERV	179°59'14"		89°47'24"		1,500	34,9540	34,9530		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J5.1	E	1,598				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	10687	CER	4°35'41"		90°19'11"		1,500	88,8690	88,8680		
Irradiado	10688	CERV	162°19'59"		89°19'08"		2,000	37,4810	37,4780		
Irradiado	10689	CERV	165°53'03"		88°45'52"		2,600	49,1760	49,1640		
Irradiado	10690	BAT	168°12'24"		88°48'27"		2,600	48,7900	48,7790		
Irradiado	10691	BAT	178°55'23"		88°31'14"		2,600	49,7540	49,7370		
Irradiado	10692	CERD	280°29'47"		88°59'33"		1,500	25,2370	25,2330		
Irradiado	10693	EXT	173°41'20"		88°42'36"		2,600	48,3250	48,3130		
Irradiado	10694	BAT	276°37'18"		89°07'46"		1,500	25,1510	25,1480		
Irradiado	10695	CERV	168°36'35"		88°13'36"		3,500	61,0330	61,0040		
Irradiado	10696	BAT	170°36'31"		89°07'50"		2,500	72,2230	72,2150		
Irradiado	10697	BAT	259°36'33"		86°33'53"		2,500	25,7320	25,6860		
Irradiado	10698	BAT	179°14'12"		88°59'02"		2,500	72,1480	72,1370		
Irradiado	10699	CERV	257°42'41"		86°42'28"		2,500	28,4570	28,4100		
Irradiado	10700	EXT	174°12'57"		89°05'38"		2,500	76,0920	76,0830		
Irradiado	10701	CERD	262°06'16"		87°20'53"		2,500	40,3370	40,2930		
Irradiado	10702	MCER	264°39'18"		87°49'01"		2,500	61,6110	61,5660		
Irradiado	10703	EXT	269°30'03"		88°49'54"		1,500	62,1200	62,1070		
Irradiado	10704	CERD	85°47'00"		91°33'25"		1,500	38,1420	38,1270		
Irradiado	10705	BAT	87°28'24"		91°26'55"		1,500	37,9010	37,8880		
Irradiado	10706	BAT	87°28'23"		91°32'38"		1,500	37,9730	37,9590		
Irradiado	10707	BAT	273°16'35"		88°50'23"		1,500	62,3700	62,3570		
Irradiado	10708	BAT	266°21'51"		88°49'20"		1,500	62,0070	61,9940		
Irradiado	10709	BAT	99°44'41"		89°38'11"		2,600	36,6660	36,6650		
Irradiado	10710	EXT	92°16'48"		89°53'30"		2,600	37,5600	37,5590		
Irradiado	10711	CERV	99°55'16"		89°47'13"		2,600	40,9050	40,9040		
Irradiado	10712	MU	268°01'45"		88°39'44"		1,500	103,5320	103,5040		
Irradiado	10713	CER	274°12'08"		88°46'11"		1,500	99,8490	99,8260		
Irradiado	10714	BAT	273°25'46"		88°48'44"		1,500	98,3520	98,3310		
Irradiado	10715	BAT	89°25'34"		90°29'34"		2,600	69,1850	69,1820		
Irradiado	10716	BAT	95°03'35"		90°27'04"		2,600	69,8150	69,8130		
Irradiado	10717	BAT	273°42'12"		88°49'12"		1,500	104,9110	104,8890		
Irradiado	10718	BAT	269°04'00"		88°11'00"		2,500	105,9950	105,9410		
Irradiado	10719	EXT	91°46'07"		90°31'20"		2,600	73,3890	73,3860		
Irradiado	10720	EXT	271°40'14"		88°10'58"		2,600	105,1130	105,0600		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J8	E	1,567				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL49		359°59'59"	179°59'48"	88°58'27"	271°01'40"	1,500	107,1450	107,1270	X	
Irradiado	10721	BAT	188°02'10"		91°28'08"		1,500	82,4960	82,4690		
Irradiado	10722	BAT	194°53'20"		91°31'27"		1,500	81,4680	81,4390		
Irradiado	10723	EXT	192°06'39"		91°23'49"		1,500	80,7390	80,7150		
Irradiado	10724	CA	202°05'46"		91°32'16"		1,500	86,3750	86,3440		
Irradiado	10725	CA	200°20'31"		91°29'49"		1,500	103,1840	103,1490		
Irradiado	10726	CA	126°17'00"		90°09'27"		1,500	53,3370	53,3370		
Irradiado	10727	CA	202°03'39"		91°32'19"		1,500	86,3740	86,3430		
Irradiado	10728	CA	117°39'27"		90°06'15"		1,500	51,2530	51,2530		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J8	E	1,567				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	10729	CA	207°19'49"		91°30'44"		1,500	88,3820	88,3510		
Irradiado	10730	PCA	199°54'56"		91°27'16"		1,500	52,8620	52,8450		
Irradiado	10731	CERD	142°45'16"		91°05'33"		1,500	14,9410	14,9390		
Irradiado	10732	CERV	201°32'47"		91°25'43"		1,500	46,6160	46,6010		
Irradiado	10733	BAT	200°50'56"		91°32'41"		1,500	42,0980	42,0820		
Irradiado	10734	BAT	188°46'22"		91°31'18"		1,500	40,4250	40,4100		
Irradiado	10735	EXT	195°08'21"		91°27'00"		1,500	40,9200	40,9070		
Irradiado	10736	CERD	207°05'32"		91°27'52"		1,500	35,2800	35,2680		
Irradiado	10737	CERV	232°20'32"		91°33'46"		1,500	18,2490	18,2430		
Irradiado	10738	CA	247°28'26"		91°34'04"		1,500	19,2160	19,2090		
Irradiado	10739	CA	272°37'56"		91°00'11"		1,500	16,1930	16,1910		
Irradiado	10740	CED	275°46'12"		90°58'23"		1,500	26,1420	26,1390		
Irradiado	10741	CER	315°47'44"		90°00'19"		1,500	17,3570	17,3570		
Irradiado	10742	CERD	276°16'45"		90°58'39"		1,500	27,3730	27,3690		
Irradiado	10743	BAT	277°32'00"		91°21'09"		1,500	10,0400	10,0370		
Irradiado	10744	BAT	315°24'01"		90°20'48"		1,500	13,0170	13,0170		
Irradiado	10745	BAT	310°45'29"		94°05'36"		1,500	1,9330	1,9280		
Irradiado	10746	EXT	289°32'48"		90°28'37"		1,500	6,2170	6,2170		
Irradiado	10747	BAT	283°02'54"		90°44'11"		1,500	37,3450	37,3410		
Irradiado	10748	BAT	299°06'51"		90°27'23"		1,500	37,0680	37,0660		
Irradiado	10749	EXT	290°57'36"		90°35'52"		1,500	37,0400	37,0380		
Irradiado	10750	BAT	287°46'29"		90°36'45"		1,500	69,3270	69,3230		
Irradiado	10751	BAT	296°10'28"		90°27'58"		1,500	68,2470	68,2450		
Irradiado	10752	EXT	291°35'54"		90°27'11"		1,500	68,4360	68,4340		
Irradiado	10753	CERD	296°51'35"		90°24'55"		1,500	77,3890	77,3870		
Irradiado	10754	CER	288°37'30"		90°35'34"		1,500	95,2440	95,2390		
Irradiado	10755	CERD	295°59'49"		90°28'28"		1,500	94,6670	94,6640		
Irradiado	10756	CERV	295°28'40"		90°30'25"		1,500	110,8180	110,8130		
Irradiado	10757	BAT	289°46'09"		90°38'30"		1,500	110,5880	110,5810		
Irradiado	10758	BAT	294°36'32"		90°32'49"		1,500	110,7870	110,7820		
Irradiado	10759	EXT	292°39'28"		90°34'45"		1,500	110,0580	110,0520		
Irradiado	10760	CA	304°32'06"		90°20'57"		1,500	128,7560	128,7530		
Irradiado	10761	CA	303°35'00"		90°21'45"		1,500	128,0820	128,0790		
Irradiado	10762	CA	302°55'07"		90°22'17"		1,500	128,5470	128,5440		
Irradiado	10763	CA	302°42'13"		90°22'10"		1,500	130,0420	130,0390		
Irradiado	10764	CA	303°07'45"		89°06'30"		4,300	131,2190	131,2030		
Irradiado	10765	CA	305°10'37"		90°17'25"		1,500	125,0790	125,0770		
Irradiado	10766	CA	306°59'31"		90°17'06"		1,500	126,5620	126,5600		
Irradiado	10767	CER	290°19'40"		90°11'15"		2,800	169,6400	169,6390		
Irradiado	10768	BAT	294°41'35"		90°34'06"		1,500	130,3840	130,3770		
Irradiado	10769	BAT	290°52'01"		90°40'30"		1,500	132,7160	132,7070		
Irradiado	10770	BAT	291°19'26"		90°39'24"		1,500	141,2680	141,2590		
Irradiado	10771	BAT	295°39'00"		90°24'06"		2,000	137,8370	137,8340		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J6	E	1,510				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL49		0°00'03"	179°59'48"	88°50'21"	271°09'40"	1,500	140,7880	140,7590	X	
Irradiado	10772	CERV	86°51'31"		90°49'45"		1,500	28,3490	28,3460		
Irradiado	10773	CER	180°06'54"		90°54'33"		1,500	7,5990	7,5980		
Irradiado	10774	CERD	67°39'15"		90°11'14"		1,500	40,2790	40,2780		
Irradiado	10775	BAT	69°37'13"		90°25'00"		1,500	39,9810	39,9800		
Irradiado	10776	BAT	79°53'43"		90°35'00"		1,500	39,9010	39,8990		
Irradiado	10777	EXT	73°28'49"		90°30'07"		1,500	39,5870	39,5850		
Irradiado	10778	CA	162°45'46"		91°27'45"		1,500	8,6700	8,6670		
Irradiado	10779	CA	130°28'34"		91°00'01"		1,500	14,4520	14,4500		
Irradiado	10780	CA	173°49'28"		87°18'46"		2,500	15,1600	15,1440		
Irradiado	10781	BAT	300°45'01"		89°52'05"		1,500	2,2740	2,2740		
Irradiado	10782	BAT	194°06'20"		91°32'35"		1,500	7,6050	7,6020		
Irradiado	10783	EXT	217°48'54"		90°59'16"		1,500	8,1500	8,1490		
Irradiado	10784	CER	220°32'03"		90°12'33"		1,500	18,2110	18,2110		
Irradiado	10785	CERD	239°36'27"		89°50'02"		1,500	41,5200	41,5190		
Irradiado	10786	CA	214°28'25"		90°31'12"		1,500	39,6530	39,6510		
Irradiado	10787	SO	217°24'06"		89°44'34"		1,500	38,0540	38,0530		
Irradiado	10788	EXT	189°50'42"		91°10'17"		1,500	48,1820	48,1720		
Irradiado	10789	BAT	193°03'22"		91°05'18"		1,500	48,7370	48,7280		
Irradiado	10790	BAT	185°44'45"		91°05'36"		1,500	48,0970	48,0880		
Irradiado	10791	CERV	194°28'44"		90°59'44"		1,500	48,7400	48,7320		
Irradiado	10792	CERV	182°14'10"		91°10'06"		1,500	56,3180	56,3060		
Irradiado	10793	CERV	182°17'26"		91°11'56"		1,500	67,8420	67,8270		
Irradiado	10794	CERD	182°16'27"		91°03'56"		1,500	44,4870	44,4790		
Irradiado	10795	CERD	182°07'49"		91°11'35"		1,500	32,4130	32,4060		
Irradiado	10796	PC	184°24'58"		91°11'30"		1,500	32,4800	32,4730		
Irradiado	10797	PC	183°09'29"		91°09'18"		1,500	72,4740	72,4590		
Irradiado	10798	CERV	190°28'38"		91°04'05"		1,500	79,7480	79,7340		
Irradiado	10799	CERD	182°14'38"		91°12'43"		1,500	103,2720	103,2490		
Irradiado	10800	BAT	188°55'43"		91°08'58"		1,500	80,2840	80,2680		
Irradiado	10801	BAT	183°50'42"		91°15'02"		1,500	79,5990	79,5800		
Irradiado	10802	EXT	186°45'04"		91°15'00"		1,500	79,6210	79,6020		
Irradiado	10803	CERD	188°31'31"		91°06'51"		1,500	103,0160	102,9970		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J7	E	1,477				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	J6		359°59'59"	179°59'59"	88°45'57"	271°13'58"	1,500	117,9900	117,9620		
Irradiado	10804	CA	71°30'02"		90°43'08"		1,500	9,8070	9,8060		
Irradiado	10805	CA	46°13'27"		90°09'30"		1,500	14,8650	14,8650		
Irradiado	10806	CA	41°43'37"		89°45'44"		1,500	32,1970	32,1970		
Irradiado	10807	CA	36°29'35"		89°30'56"		1,500	39,8500	39,8480		
Irradiado	10808	SO	59°12'44"		89°20'17"		1,500	11,4600	11,4590		
Irradiado	10809	BAT	194°25'39"		91°17'50"		1,500	8,3700	8,3680		
Irradiado	10810	BAT	183°53'44"		91°17'47"		1,500	31,5010	31,4930		
Irradiado	10811	CER	181°09'28"		91°04'08"		1,500	37,8080	37,8010		
Irradiado	10812	CA	5°40'31"		88°46'20"		1,500	52,5850	52,5730		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J7	E	1,477				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	10813	CA	5°04'35"		88°44'22"		1,500	59,3900	59,3750		
Irradiado	10814	PC	180°46'14"		91°12'15"		1,500	26,9960	26,9900		
Irradiado	10815	BAT	291°57'02"		94°01'06"		1,500	2,0520	2,0470		
Irradiado	10816	PC	352°10'51"		88°15'15"		1,500	4,8000	4,7980		
Irradiado	10817	CER	27°33'59"		89°39'56"		1,500	2,0700	2,0700		
Irradiado	10818	CER	282°56'17"		88°46'52"		1,500	10,7020	10,7000		
Irradiado	10819	CER	152°00'45"		91°56'43"		1,500	13,4590	13,4510		
Irradiado	10820	BAT	115°18'32"		91°18'44"		1,500	42,1870	42,1760		
Irradiado	10821	BAT	103°41'54"		91°13'45"		1,500	40,6630	40,6530		
Irradiado	10822	CERD	100°57'55"		91°09'30"		1,500	37,0690	37,0610		
Irradiado	10823	EXT	110°27'19"		91°23'45"		1,500	40,8150	40,8030		
Irradiado	10824	EXT	107°51'31"		91°34'28"		1,500	84,0480	84,0170		
Irradiado	10825	BAT	110°08'11"		91°34'30"		1,500	84,7670	84,7350		
Irradiado	10826	BAT	103°34'01"		91°23'13"		1,500	84,6530	84,6280		
Irradiado	10827	BAT	104°01'24"		91°30'09"		1,500	113,5450	113,5060		
Irradiado	10828	BAT	108°35'29"		91°31'50"		1,500	114,3230	114,2820		
Irradiado	10829	EXT	106°41'55"		91°31'54"		1,500	113,9690	113,9280		
Irradiado	10830	CER	102°44'59"		91°20'33"		1,500	77,1670	77,1460		
Irradiado	10831	CER	111°27'34"		91°26'36"		1,500	77,7530	77,7280		
Irradiado	10832	CER	103°16'18"		91°30'20"		1,500	134,6580	134,6110		
Irradiado	10833	CER	108°37'40"		91°33'25"		1,500	134,3750	134,3250		
Irradiado	10834	CERD	118°51'40"		91°12'26"		1,500	37,8620	37,8530		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL7	E	1,580				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL6		0°00'00"	179°59'54"	89°19'05"	270°40'55"	1,500	110,1390	110,1310		
Auxiliar	J9	A	4°19'06"	184°19'02"	88°13'18"	271°46'41"	1,500	196,8540	196,7590		
Auxiliar	J10	A	92°58'31"	272°58'28"	84°59'16"	275°00'43"	1,500	25,7000	25,6020		
Irradiado	10835A	MF	327°10'43"		93°34'09"		1,500	8,1700	8,1540		
Irradiado	10835	MF	318°08'03"		94°45'10"		1,500	7,9430	7,9160		
Irradiado	10836	MF	311°26'49"		95°28'45"		1,500	8,2220	8,1850		
Irradiado	10837	MF	108°44'09"		84°18'11"		1,500	4,6810	4,6580		
Irradiado	10838	MF	195°59'01"		95°10'03"		1,500	1,3710	1,3650		
Irradiado	10839	MF	44°47'56"		86°20'19"		1,500	6,9520	6,9380		
Irradiado	10840	EXA	2°53'04"		92°42'20"		1,500	1,5930	1,5910		
Irradiado	10841	CER	335°13'00"		92°06'25"		1,500	10,7560	10,7490		
Irradiado	10842	CER	31°18'40"		86°07'26"		1,500	9,3890	9,3680		
Irradiado	10843	CED	52°51'36"		84°03'49"		1,500	12,7970	12,7290		
Irradiado	10844	CED	301°25'12"		95°57'10"		1,500	20,8150	20,7030		
Irradiado	10845	CA	295°19'23"		95°48'52"		1,500	19,8180	19,7160		
Irradiado	10846	CA	291°15'49"		95°59'52"		1,500	23,8490	23,7190		
Irradiado	10847	MED	72°53'11"		85°29'29"		1,500	23,3770	23,3050		
Irradiado	10848	MED	76°05'40"		84°49'20"		1,500	27,1140	27,0040		
Irradiado	10849	MED	78°05'33"		85°21'15"		1,500	32,4930	32,3870		
Irradiado	10850	MED	79°20'40"		85°13'20"		1,500	38,1660	38,0330		
Irradiado	10851	MED	80°34'32"		85°50'02"		1,500	44,0820	43,9650		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL7	E	1,580				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	10852	MED	81°12'09"		85°57'19"		1,500	48,0220	47,9020		
Irradiado	10853	CA	81°59'59"		86°19'52"		1,500	53,5550	53,4450		
Irradiado	10854	CED	297°37'54"		89°51'58"		4,500	24,9030	24,9030		
Irradiado	10855	MF	83°58'52"		86°28'44"		1,500	53,3750	53,2740		
Irradiado	10856	MF	81°33'45"		85°35'40"		1,500	32,2040	32,1090		
Irradiado	10857	MF	77°24'28"		85°02'13"		1,500	19,5210	19,4480		
Irradiado	10858	MF	282°02'22"		96°40'12"		1,500	31,0880	30,8780		
Irradiado	10859	MF	270°06'33"		96°43'59"		1,500	31,1110	30,8970		
Irradiado	10860	EXA	277°25'56"		96°13'36"		1,500	23,1960	23,0600		
Irradiado	10861	EXA	275°48'47"		96°46'33"		1,500	31,5830	31,3630		
Irradiado	10862	PC	75°07'21"		85°24'06"		1,500	19,7130	19,6500		
Irradiado	10863	IGRJA	142°35'02"		80°57'49"		1,500	11,0870	10,9500		
Irradiado	10864	IGRJA	179°26'34"		79°18'39"		1,500	9,4340	9,2700		
Irradiado	10865	IGRJA	225°47'47"		87°15'56"		1,500	20,4400	20,4170		
Irradiado	10866	IGRJA	234°28'12"		85°57'02"		2,500	26,7410	26,6750		
Irradiado	10867	MUC	110°00'17"		82°30'14"		1,500	6,5970	6,5410		
Irradiado	10868	MUC	120°45'21"		79°23'02"		1,500	6,8740	6,7560		
Irradiado	10869	SO	293°21'47"		95°22'42"		1,500	21,8210	21,7250		
Irradiado	10870	BAT	350°48'41"		96°27'57"		1,500	21,6590	21,5220		
Irradiado	10871	BAT	9°33'42"		95°32'50"		1,500	22,1500	22,0470		
Irradiado	10872	EXT	2°30'08"		96°22'31"		1,500	22,0970	21,9610		
Irradiado	10873	EXT	3°18'03"		97°47'26"		1,500	36,8590	36,5180		
Irradiado	10874	BAT	7°07'01"		97°18'15"		1,500	37,1560	36,8540		
Irradiado	10875	BAT	354°19'32"		97°31'05"		2,600	37,6130	37,2890		
Irradiado	10876	BAT	5°21'41"		95°10'45"		1,500	58,1220	57,8850		
Irradiado	10877	CER	354°08'20"		97°35'33"		1,500	46,4130	46,0060		
Irradiado	10878	CER	7°40'16"		96°30'14"		1,500	46,8850	46,5830		
Irradiado	10879	BAT	356°37'57"		95°35'06"		1,500	57,9600	57,6850		
Irradiado	10880	EXT	1°17'28"		96°44'28"		1,500	48,4010	48,0660		
Irradiado	10881	EXT	1°29'14"		95°11'28"		1,500	58,6280	58,3870		
Irradiado	10882	EXT	1°50'47"		92°42'17"		1,500	71,8720	71,7920		
Irradiado	10883	CERV	5°55'14"		92°24'51"		1,500	72,0670	72,0030		
Irradiado	10884	CERV	356°00'22"		92°37'42"		1,500	75,4500	75,3710		
Irradiado	10885	CA	5°31'07"		90°11'33"		1,500	89,7890	89,7890		
Irradiado	10886	CA	5°25'40"		89°40'36"		1,500	97,6580	97,6570		
Irradiado	10887	CERV	357°59'45"		90°53'10"		1,500	91,1300	91,1190		
Irradiado	10888	CERV	358°19'36"		90°32'01"		1,500	94,9780	94,9740		
Irradiado	10889	CED	357°19'25"		90°08'54"		1,500	95,7530	95,7530		
Irradiado	10890	CA	357°25'43"		89°57'16"		1,500	103,0430	103,0430		
Irradiado	10891	EXT	1°22'51"		89°59'12"		1,500	99,4580	99,4580		
Irradiado	10892	BAT	358°39'34"		90°12'39"		1,500	100,1360	100,1360		
Irradiado	10893	BAT	4°24'53"		89°45'51"		1,500	99,3550	99,3550		
Irradiado	10894	CERV	358°47'52"		89°49'23"		1,500	105,1090	105,1080		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL6	E	1,521				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL5		359°59'58"	179°59'49"	87°44'05"	272°15'58"	1,500	112,3920	112,3040		
Irradiado	10895	PC	359°50'52"		87°41'38"		1,500	112,8110	112,7190		
Irradiado	10896	CA	155°20'51"		95°51'14"		1,500	8,3120	8,2690		
Irradiado	10897	CA	200°30'49"		90°33'22"		1,500	9,7470	9,7470		
Irradiado	10898	CERV	104°38'51"		100°37'09"		1,500	5,5820	5,4870		
Irradiado	10899	CERD	256°09'24"		84°49'51"		1,500	6,7640	6,7370		
Irradiado	10900	CER	335°36'02"		87°36'34"		1,500	11,4210	11,4110		
Irradiado	10901	CER	345°04'10"		84°27'27"		1,500	18,9130	18,8250		
Irradiado	10902	EXT	36°47'10"		97°31'15"		1,500	4,1250	4,0900		
Irradiado	10903	CA	30°27'48"		90°17'39"		1,500	20,5870	20,5870		
Irradiado	10904	BAT	349°54'19"		86°15'16"		1,500	16,4710	16,4360		
Irradiado	10905	BAT	20°24'41"		89°17'36"		1,500	17,7830	17,7820		
Irradiado	10906	BAT	336°45'25"		87°37'04"		1,500	10,2210	10,2120		
Irradiado	10907	BAT	27°48'01"		92°44'37"		1,500	9,6250	9,6140		
Irradiado	10908	SO	107°14'46"		98°55'26"		1,500	10,3350	10,2100		
Irradiado	10909	CED	265°12'37"		83°04'49"		1,500	22,1230	21,9620		
Irradiado	10910	CED	265°21'56"		83°37'19"		1,500	27,5120	27,3420		
Irradiado	10911	BAT	286°14'00"		84°44'51"		1,500	25,8520	25,7440		
Irradiado	10912	BAT	269°24'14"		83°46'33"		1,500	24,2610	24,1180		
Irradiado	10913	EXT	277°16'52"		84°15'22"		1,500	25,0080	24,8830		
Irradiado	10914	CERV	285°46'56"		84°28'01"		1,500	28,9030	28,7690		
Irradiado	10915	CERD	265°45'59"		83°43'59"		1,500	29,2960	29,1210		
Irradiado	10916	CA	316°42'12"		83°26'13"		2,600	60,4560	60,0600		
Irradiado	10917	CA	313°50'13"		83°07'48"		2,600	57,7180	57,3030		
Irradiado	10918	CA	309°55'56"		83°48'04"		2,350	62,5270	62,1610		
Irradiado	10919	CED	265°14'21"		83°29'59"		1,500	30,2780	30,0840		
Irradiado	10920	CED	265°27'32"		84°43'46"		1,500	39,1700	39,0040		
Irradiado	10921	CERV	276°55'35"		85°12'27"		1,500	52,3620	52,1790		
Irradiado	10922	CERV	265°35'16"		84°27'00"		2,000	41,5680	41,3730		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J9	E	1,540				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL7		0°00'00"	179°59'59"	91°49'09"	268°10'40"	1,500	196,8720	196,7730	X	
Irradiado	10923	BAT	230°16'23"		84°57'55"		1,500	3,5450	3,5310		
Irradiado	10924	BAT	114°47'25"		96°36'29"		1,500	6,1570	6,1160		
Irradiado	10925	BAT	44°50'58"		95°05'08"		1,500	6,7080	6,6820		
Irradiado	10926	BAT	332°37'02"		87°44'58"		1,500	7,0940	7,0890		
Irradiado	10927	EXT	67°43'41"		101°05'54"		1,500	1,7140	1,6820		
Irradiado	10928	CA	226°13'56"		83°25'07"		1,500	7,5770	7,5270		
Irradiado	10929	CA	250°55'07"		83°21'45"		1,500	14,1050	14,0110		
Irradiado	10930	CA	206°29'30"		83°44'22"		2,000	13,2050	13,1260		
Irradiado	10931	CER	227°07'53"		83°36'07"		1,500	5,1020	5,0700		
Irradiado	10932	CA	298°22'08"		85°22'32"		1,500	21,1530	21,0840		
Irradiado	10933	CA	309°15'29"		85°20'32"		1,500	15,0070	14,9580		
Irradiado	10934	CER	312°13'47"		85°32'04"		1,500	14,0630	14,0210		
Irradiado	10935	CER	305°45'55"		84°57'44"		1,500	12,7930	12,7440		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J9	E	1,540				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	10936	CA	321°38'49"		86°44'36"		1,500	15,8170	15,7920		
Irradiado	10937	CA	331°09'49"		87°24'36"		1,500	14,0220	14,0080		
Irradiado	10938	CA	338°28'02"		88°21'43"		1,500	17,9300	17,9230		
Irradiado	10939	CA	346°18'22"		89°03'49"		1,500	17,0230	17,0210		
Irradiado	10940	CA	348°48'17"		89°19'53"		1,500	19,9650	19,9640		
Irradiado	10941	CA	349°49'27"		89°41'23"		1,500	19,8860	19,8860		
Irradiado	10942	CED	351°47'43"		89°50'59"		1,500	23,6270	23,6270		
Irradiado	10943	CA	9°27'23"		91°26'33"		1,500	45,0590	45,0440		
Irradiado	10944	CED	12°03'22"		91°40'34"		1,500	35,3930	35,3770		
Irradiado	10945	CERD	12°54'47"		91°50'09"		1,500	33,4560	33,4380		
Irradiado	10946	CED	22°16'31"		92°56'26"		1,500	20,4380	20,4110		
Irradiado	10947	CED	23°24'48"		92°50'26"		1,500	18,4190	18,3970		
Irradiado	10948	CA	45°17'50"		94°59'48"		1,500	9,8890	9,8520		
Irradiado	10949	BAT	355°53'34"		90°41'17"		1,500	28,9580	28,9560		
Irradiado	10950	BAT	12°09'26"		92°32'21"		1,500	29,2770	29,2490		
Irradiado	10951	CED	64°58'15"		97°02'30"		1,500	15,1480	15,0340		
Irradiado	10952	EXT	3°03'46"		91°27'21"		1,500	28,7890	28,7800		
Irradiado	10953	CER	71°28'42"		97°18'02"		1,500	14,3600	14,2440		
Irradiado	10954	CERV	83°53'27"		99°45'14"		1,500	31,5970	31,1410		
Irradiado	10955	CERV	103°59'37"		99°11'01"		1,500	31,3400	30,9390		
Irradiado	10956	CA	126°09'28"		94°28'54"		1,500	8,9730	8,9460		
Irradiado	10957	CA	107°28'26"		99°12'26"		1,500	33,8540	33,4170		
Irradiado	10958	CA	156°48'42"		91°32'58"		2,000	16,5470	16,5410		
Irradiado	10959	CA	106°07'13"		99°06'25"		1,500	40,6910	40,1780		
Irradiado	10960	CERV	100°34'49"		99°11'44"		1,500	45,1840	44,6030		
Irradiado	10961	CERV	88°16'31"		99°49'52"		1,500	44,3660	43,7140		
Irradiado	10962	BAT	186°51'59"		88°59'21"		1,500	23,8620	23,8590		
Irradiado	10963	BAT	90°13'28"		99°46'42"		1,500	44,3280	43,6840		
Irradiado	10964	BAT	168°31'28"		91°26'38"		1,500	25,5370	25,5290		
Irradiado	10965	BAT	98°59'05"		99°34'34"		1,500	43,2210	42,6180		
Irradiado	10966	EXT	94°36'27"		99°44'08"		1,500	43,4210	42,7950		
Irradiado	10967	EXT	179°37'33"		89°55'41"		1,500	24,9180	24,9180		
Irradiado	10968	CERV	187°15'00"		88°38'25"		1,500	34,2930	34,2830		
Irradiado	10969	BAT	101°48'26"		98°16'02"		1,500	13,3820	13,2430		
Irradiado	10970	CERD	169°40'54"		90°45'58"		1,500	35,3170	35,3130		
Irradiado	10971	BAT	78°01'23"		97°48'10"		1,500	13,8290	13,7010		
Irradiado	10972	CERD	170°46'17"		89°59'47"		1,500	42,3870	42,3870		
Irradiado	10973	PC	107°57'40"		97°04'58"		1,500	13,2240	13,1230		
Irradiado	10974	CED	111°43'21"		96°46'06"		1,500	15,1980	15,0920		
Irradiado	10975	CERD	173°30'56"		89°06'47"		2,600	58,7050	58,6980		
Irradiado	10976	BAT	175°06'08"		87°35'41"		3,500	58,8070	58,7550		
Irradiado	10977	BAT	184°32'01"		87°30'02"		2,600	55,8240	55,7710		
Irradiado	10978	EXT	178°46'22"		88°06'15"		2,600	54,8990	54,8690		
Irradiado	10979	CERV	186°01'26"		86°57'07"		2,600	48,8640	48,7950		
Irradiado	10980	CERV	185°01'23"		87°56'21"		2,600	63,3690	63,3280		
Irradiado	10981	BAT	184°16'07"		88°03'53"		2,600	63,9730	63,9360		
Irradiado	10982	BAT	183°30'41"		87°33'36"		2,600	74,1630	74,0960		
Irradiado	10983	BAT	175°43'25"		88°20'55"		2,600	73,3880	73,3580		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J9	E	1,540				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irrradiado	10984	EXT	181°48'16"		88°05'14"		2,600	69,4390	69,4000		
Irrradiado	10985	CERV	184°12'34"		87°22'09"		2,600	75,2490	75,1700		
Irrradiado	10986	CERD	175°43'09"		88°16'33"		2,600	76,3920	76,3580		
Irrradiado	10987	CERV	175°39'42"		87°28'10"		3,500	86,3920	86,3080		
Irrradiado	10988	CERV	184°02'22"		87°04'45"		2,600	94,8130	94,6900		
Irrradiado	10989	BAT	183°14'36"		87°09'17"		2,600	95,0550	94,9380		
Irrradiado	10990	BAT	177°14'29"		87°55'45"		2,600	93,6610	93,6000		
Irrradiado	10991	EXT	180°00'56"		87°35'36"		2,600	93,5410	93,4590		
Irrradiado	10992	BAT	182°22'31"		87°24'10"		2,600	111,2790	111,1640		
Irrradiado	10993	EXT	180°02'24"		87°37'52"		2,600	109,4480	109,3540		
Irrradiado	10994	BAT	177°56'34"		87°54'02"		2,600	108,5090	108,4360		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL50	E	1,584				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL49		0°00'00"	179°59'54"	90°40'58"	269°18'59"	1,500	215,3960	215,3810		
Auxiliar	J11	A	164°38'30"	344°38'24"	90°55'17"	269°04'34"	1,500	125,5400	125,5240		
Irrradiado	10996	CERV	1°21'24"		90°21'28"		2,500	193,7080	193,7040		
Irrradiado	10997	CERV	0°43'25"		90°37'23"		1,500	177,7590	177,7480		
Irrradiado	10998	CER	354°39'04"		90°30'17"		1,500	170,4440	170,4380		
Irrradiado	10999	BAT	163°50'33"		91°02'48"		1,500	125,5680	125,5470		
Irrradiado	11000	BAT	160°33'15"		91°06'10"		1,500	123,7890	123,7660		
Irrradiado	11001	CERD	2°28'31"		90°23'35"		2,500	149,4210	149,4180		
Irrradiado	11002	EXT	162°13'06"		91°02'41"		1,500	122,9700	122,9490		
Irrradiado	11003	BAT	1°39'07"		90°37'24"		1,500	120,5770	120,5700		
Irrradiado	11004	BAT	357°16'15"		90°08'17"		2,500	118,4100	118,4090		
Irrradiado	11005	EXT	359°45'10"		90°33'09"		1,500	119,0240	119,0180		
Irrradiado	11006	BAT	165°46'50"		90°36'57"		1,500	81,0090	81,0040		
Irrradiado	11007	CERV	4°43'26"		90°40'31"		1,500	101,1160	101,1090		
Irrradiado	11008	BAT	159°11'49"		90°48'31"		1,500	81,0100	81,0020		
Irrradiado	11009	MU	5°22'35"		90°37'28"		1,500	89,4240	89,4190		
Irrradiado	11010	CER	353°29'40"		90°28'23"		1,500	84,2200	84,2170		
Irrradiado	11011	BAT	4°03'17"		90°34'07"		1,500	89,8370	89,8330		
Irrradiado	11012	BAT	2°57'06"		90°37'12"		1,500	99,5850	99,5800		
Irrradiado	11013	EXT	162°35'45"		90°35'26"		1,500	78,9000	78,8960		
Irrradiado	11014	PCA	355°42'04"		90°26'42"		1,500	73,8810	73,8790		
Irrradiado	11015	BAT	0°07'04"		90°40'45"		1,500	55,2830	55,2790		
Irrradiado	11016	BAT	9°26'14"		90°44'51"		1,500	55,4430	55,4380		
Irrradiado	11017	BAT	153°32'12"		90°39'37"		1,500	25,6600	25,6590		
Irrradiado	11018	BAT	138°46'53"		90°58'33"		1,500	28,0250	28,0210		
Irrradiado	11019	EXT	145°34'08"		90°42'57"		1,500	25,8990	25,8970		
Irrradiado	11020	MU	10°17'40"		90°46'24"		1,500	63,3880	63,3820		
Irrradiado	11021	MU	15°22'46"		90°51'17"		1,500	64,4100	64,4030		
Irrradiado	11022	MU	18°03'20"		90°56'22"		1,500	57,2290	57,2210		
Irrradiado	11023	CER	180°24'19"		90°03'28"		1,500	46,8630	46,8630		
Irrradiado	11024	MU	13°10'43"		90°49'12"		1,500	54,1170	54,1110		
Irrradiado	11025	EXT	5°08'20"		90°38'45"		1,500	50,1910	50,1880		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL50	E	1,584				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irrradiado	11026	CER	191°02'54"		90°00'32"		1,500	13,5390	13,5390		
Irrradiado	11027	PCA	261°51'57"		95°46'07"		1,500	1,0500	1,0450		
Irrradiado	11028	CER	347°27'55"		90°19'30"		1,500	24,0080	24,0080		
Irrradiado	11029	COTA	355°56'46"		90°54'03"		1,500	14,6400	14,6380		
Irrradiado	11030	CERV	113°43'34"		91°14'09"		1,500	52,1140	52,1020		
Irrradiado	11031	CERV	156°04'45"		90°44'42"		1,500	74,3180	74,3120		
Irrradiado	11032	BAT	40°45'20"		91°14'51"		1,500	94,2160	94,1940		
Irrradiado	11033	BAT	42°22'35"		91°14'35"		1,500	102,5030	102,4790		
Irrradiado	11034	EXT	41°39'02"		91°14'50"		1,500	98,3970	98,3740		
Irrradiado	11035	COTA	171°41'57"		90°28'26"		1,500	82,7130	82,7100		
Irrradiado	11036	EXT	90°31'48"		91°16'27"		1,500	91,3170	91,2950		
Irrradiado	11037	BAT	90°29'04"		91°16'20"		1,500	85,7710	85,7500		
Irrradiado	11038	BAT	90°37'23"		91°13'49"		1,500	95,4540	95,4320		
Irrradiado	11039	CERD	89°23'13"		91°12'29"		1,500	96,5850	96,5640		
Irrradiado	11040	PCA	177°20'28"		90°18'25"		1,500	80,1360	80,1350		
Irrradiado	11041	CER	178°37'58"		90°16'38"		1,500	80,0220	80,0210		
Irrradiado	11042	CERD	97°13'26"		91°12'43"		1,500	101,3400	101,3180		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J11	E	1,570				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL50		359°59'59"	180°00'01"	89°09'16"	270°50'49"	1,500	125,5330	125,5190		
Auxiliar	J12	A	77°51'26"	257°51'24"	91°01'16"	268°58'41"	1,500	101,4410	101,4250		
Irrradiado	11043	CER	59°33'19"		90°28'13"		1,500	14,5520	14,5520		
Irrradiado	11044	BAT	58°35'59"		91°56'12"		1,500	10,1540	10,1480		
Irrradiado	11045	BAT	122°20'15"		93°56'42"		1,500	11,6210	11,5940		
Irrradiado	11046	EXT	90°26'52"		93°48'59"		1,500	5,9570	5,9440		
Irrradiado	11047	BAT	132°04'57"		97°54'33"		1,500	2,9960	2,9680		
Irrradiado	11048	BAT	165°41'30"		93°16'35"		1,500	19,6500	19,6180		
Irrradiado	11049	BAT	145°10'23"		93°35'16"		1,500	20,4670	20,4270		
Irrradiado	11050	EXT	154°42'44"		93°16'44"		1,500	19,2110	19,1800		
Irrradiado	11051	BAT	166°45'25"		93°16'27"		1,500	35,4030	35,3450		
Irrradiado	11052	BAT	156°12'02"		93°22'39"		1,500	35,5670	35,5050		
Irrradiado	11053	BAT	166°30'10"		93°18'19"		1,500	51,8700	51,7830		
Irrradiado	11054	BAT	159°25'26"		93°23'54"		1,500	51,5550	51,4640		
Irrradiado	11055	EXT	162°47'21"		93°22'52"		1,500	51,1920	51,1030		
Irrradiado	11056	PCA	171°27'16"		92°43'56"		2,000	67,2560	67,1790		
Auxiliar	J13	A	79°37'03"	259°36'57"	90°55'37"	269°04'24"	1,500	164,9600	164,9390		
Irrradiado	11056	BAT	165°38'17"		93°39'35"		1,500	86,5540	86,3780		
Irrradiado	11057	BAT	161°08'34"		93°44'26"		1,500	86,3810	86,1970		
Irrradiado	11058	EXT	163°16'33"		93°42'42"		1,500	86,1080	85,9280		
Irrradiado	11059	COTA	176°54'16"		92°59'10"		1,500	44,4910	44,4300		
Irrradiado	11060	COTA	187°08'30"		92°46'30"		1,500	45,1490	45,0960		
Irrradiado	11061	COTA	194°38'21"		91°19'23"		2,500	48,2150	48,2020		
Irrradiado	11062	COTA	189°33'40"		93°36'38"		1,500	9,1080	9,0900		
Irrradiado	11063	COTA	231°18'29"		91°29'06"		1,500	15,1620	15,1570		
Irrradiado	11064	COTA	341°04'40"		88°36'16"		1,500	23,5940	23,5870		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J11	E	1,570				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	11065	COTA	324°49'54"		87°37'17"		1,800	33,2040	33,1750		
Irradiado	11066	CA	70°42'11"		90°46'14"		1,500	62,5980	62,5920		
Irradiado	11067	CA	62°10'43"		90°19'19"		1,500	66,0000	65,9990		
Irradiado	11068	CA	74°00'45"		90°50'07"		1,500	77,0910	77,0830		
Irradiado	11069	SO	72°20'31"		90°41'38"		1,500	76,2420	76,2370		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J12	E	1,611				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	J11		359°59'59"	179°59'54"	89°05'28"	270°54'29"	1,500	101,4100	101,3980		
Irradiado	11070	BAT	1°48'25"		89°09'36"		1,500	53,4870	53,4810		
Irradiado	11071	BAT	353°32'58"		89°30'25"		1,500	53,6830	53,6810		
Irradiado	11072	EXT	357°48'49"		89°18'33"		1,500	53,3330	53,3290		
Irradiado	11073	BAT	1°19'07"		89°13'13"		1,500	30,8570	30,8550		
Irradiado	11074	BAT	348°59'57"		89°42'47"		1,500	30,8490	30,8490		
Irradiado	11075	BAT	112°20'08"		92°42'50"		1,500	1,3210	1,3200		
Irradiado	11076	CER	122°50'09"		90°04'14"		1,500	2,7980	2,7980		
Irradiado	11077	BAT	7°54'11"		88°52'09"		1,500	10,6830	10,6810		
Irradiado	11078	CER	13°06'26"		88°43'35"		1,500	12,1050	12,1020		
Irradiado	11079	EXT	341°41'33"		90°23'39"		1,500	5,5250	5,5250		
Irradiado	11080	CERD	95°31'59"		87°48'47"		1,500	18,5770	18,5640		
Irradiado	11081	BAT	91°17'12"		88°00'27"		1,500	18,6980	18,6870		
Irradiado	11082	BAT	72°35'25"		88°03'49"		1,500	23,8480	23,8350		
Irradiado	11083	CERD	93°39'47"		88°11'58"		1,500	35,2560	35,2380		
Irradiado	11084	CERD	78°44'28"		88°07'25"		1,500	35,7940	35,7740		
Irradiado	11085	BAT	80°39'20"		88°08'57"		1,500	35,4570	35,4380		
Irradiado	11086	BAT	91°26'17"		88°19'02"		1,500	35,5550	35,5390		
Irradiado	11087	EXT	84°29'47"		88°14'05"		1,500	35,4350	35,4180		
Irradiado	11088	CERD	176°01'26"		90°44'35"		1,500	29,6170	29,6150		
Irradiado	11089	CERD	211°56'20"		91°39'49"		1,500	20,1150	20,1070		
Irradiado	11090	BAT	179°09'53"		90°53'40"		1,500	29,2800	29,2770		
Irradiado	11091	BAT	198°04'44"		91°24'14"		1,500	30,0840	30,0750		
Irradiado	11092	CERD	198°34'26"		91°23'08"		1,500	33,4210	33,4110		
Irradiado	11093	EXT	186°45'49"		91°04'02"		1,500	29,0700	29,0650		
Irradiado	11094	CERD	190°53'57"		91°07'47"		1,500	56,9940	56,9830		
Irradiado	11095	CERV	178°25'51"		90°43'32"		1,500	59,4430	59,4380		
Irradiado	11096	CERV	188°33'47"		90°59'08"		1,500	71,4040	71,3930		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J13	E	1,523				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	J11		359°59'57"	179°59'54"	89°07'05"	270°52'52"	1,500	164,9380	164,9190		
Irradiado	11097	EXT	116°23'34"		89°55'58"		1,500	2,3260	2,3260		
Irradiado	11098	BAT	61°06'19"		88°46'01"		1,500	6,7420	6,7410		
Irradiado	11099	BAT	139°41'02"		89°46'16"		1,500	9,6020	9,6020		
Irradiado	11100	BAT	89°14'00"		88°39'11"		1,500	42,0380	42,0260		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J13	E	1,523				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	11101	BAT	104°35'35"		88°11'21"		2,000	41,2220	41,2010		
Irradiado	11102	EXT	94°18'57"		88°06'28"		1,500	42,1570	42,1340		
Irradiado	11103	EXT	94°18'58"		88°04'41"		2,000	42,1530	42,1290		
Irradiado	11104	CERD	87°27'55"		87°53'35"		2,000	42,2790	42,2500		
Irradiado	11105	CERV	89°53'19"		88°36'09"		2,000	78,4200	78,3970		
Irradiado	11106	BAT	91°06'20"		88°39'24"		2,000	78,4820	78,4610		
Irradiado	11107	BAT	99°13'09"		88°49'31"		2,000	77,9880	77,9720		
Irradiado	11108	BAT	283°29'50"		90°34'20"		2,000	26,3840	26,3830		
Irradiado	11109	EXT	94°03'34"		88°43'49"		2,000	78,2980	78,2790		
Irradiado	11110	BAT	262°19'07"		90°59'14"		2,000	25,4450	25,4420		
Irradiado	11111	EXT	272°49'46"		90°59'36"		2,000	26,4800	26,4760		
Irradiado	11112	BAT	270°20'35"		92°45'26"		2,000	73,0410	72,9560		
Irradiado	11113	CERD	189°50'06"		89°58'25"		2,000	28,2690	28,2690		
Irradiado	11114	BAT	276°29'45"		92°47'27"		2,000	72,5950	72,5090		
Irradiado	11115	BAT	184°41'34"		90°13'08"		2,000	39,8060	39,8050		
Irradiado	11116	BAT	170°19'08"		89°49'20"		2,000	40,3270	40,3260		
Irradiado	11117	EXT	272°53'14"		92°48'14"		2,000	72,7040	72,6170		
Irradiado	11118	EXT	177°08'00"		90°02'35"		2,000	40,1190	40,1190		
Irradiado	11119	CER	183°39'25"		90°29'56"		2,000	63,0450	63,0430		
Irradiado	11120	BAT	182°37'17"		90°27'49"		2,000	64,0050	64,0030		
Irradiado	11121	BAT	269°16'50"		92°01'54"		4,500	94,1490	94,0900		
Irradiado	11122	BAT	207°03'15"		90°38'48"		2,500	80,1550	80,1500		
Irradiado	11123	CERD	204°33'40"		90°32'40"		2,500	80,2260	80,2230		
Irradiado	11124	BAT	208°59'22"		90°14'59"		2,500	71,3220	71,3210		
Irradiado	11125	EXT	207°05'31"		90°34'48"		2,500	74,5690	74,5650		
Irradiado	11126	CERD	212°27'35"		90°56'00"		2,500	85,4310	85,4200		
Irradiado	11127	CERD	217°03'43"		90°42'42"		2,500	75,7310	75,7250		
Irradiado	11128	CERD	224°17'28"		91°02'21"		2,500	83,1890	83,1750		
Irradiado	11129	BAT	229°54'44"		91°27'39"		2,500	92,0540	92,0240		
Irradiado	11130	BAT	226°31'35"		91°22'55"		2,500	99,7240	99,6950		
Irradiado	11131	EXT	226°33'25"		91°22'56"		2,500	99,7700	99,7410		
Irradiado	11132	EXT	227°54'32"		91°24'46"		2,500	95,5280	95,4990		
Irradiado	11133	CERD	230°31'18"		91°22'49"		2,500	91,0270	91,0010		
Irradiado	11134	CERD	235°11'37"		91°32'19"		2,500	100,3590	100,3230		
Irradiado	11135	CERV	233°17'51"		91°47'37"		2,500	115,0000	114,9430		
Irradiado	11136	BAT	234°07'29"		91°26'30"		3,500	114,7770	114,7400		
Irradiado	11137	BAT	238°33'25"		92°08'56"		2,500	110,6470	110,5690		
Irradiado	11138	EXT	237°39'02"		92°11'24"		2,500	115,2140	115,1290		
Irradiado	11139	CERD	286°04'45"		91°26'12"		2,000	39,5380	39,5250		
Irradiado	11140	CERV	283°53'50"		91°49'54"		2,000	52,4660	52,4390		
Irradiado	11141	CERV	268°04'34"		92°30'51"		2,500	79,5620	79,4860		
Irradiado	11142	EXT	276°05'34"		92°00'49"		2,500	76,5450	76,4980		
Irradiado	11143	BAT	282°09'22"		90°24'57"		4,500	68,0460	68,0440		
Irradiado	11144	CERD	266°54'41"		91°49'56"		2,500	65,4510	65,4170		
Irradiado	11145	CERD	265°16'07"		91°29'18"		2,300	51,5990	51,5810		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL53	E	1,574				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL54		359°59'54"	179°59'52"	83°53'38"	276°06'20"	1,500	115,8070	115,1500		
Auxiliar	J14	A	272°27'02"	92°26'54"	91°24'10"	268°35'44"	1,500	107,1460	107,1130		
Irradiado	11146	BAT	184°57'50"		86°19'49"		1,500	72,4400	72,2920		
Irradiado	11147	BAT	191°22'21"		86°41'04"		1,500	73,4390	73,3160		
Irradiado	11148	BAT	185°52'10"		86°30'33"		1,500	72,3440	72,2100		
Irradiado	11149	EXT	188°51'53"		86°41'52"		1,500	72,4370	72,3170		
Irradiado	11150	CERD	193°07'27"		87°19'31"		1,500	61,4100	61,3430		
Irradiado	11151	BAT	184°52'56"		87°43'52"		1,500	47,4400	47,4030		
Irradiado	11152	BAT	193°03'48"		87°59'11"		1,500	47,1400	47,1110		
Irradiado	11153	EXT	189°35'36"		87°59'18"		1,500	46,4590	46,4300		
Irradiado	11154	MCER	197°33'05"		88°54'03"		1,500	38,2980	38,2910		
Auxiliar	J15	A	93°07'06"	273°06'58"	88°24'08"	271°35'50"	1,500	128,2980	128,2480		
Irradiado	11155	BAT	181°09'30"		89°31'50"		1,500	19,5570	19,5570		
Irradiado	11156	BAT	201°46'08"		90°13'16"		1,500	20,1490	20,1490		
Irradiado	11157	MU	206°57'17"		90°46'27"		1,500	20,1050	20,1040		
Irradiado	11158	MED	212°44'11"		90°46'45"		1,500	20,9380	20,9360		
Irradiado	11159	EXT	191°31'33"		89°22'19"		1,500	19,7510	19,7500		
Irradiado	11160	CA	238°11'45"		92°02'30"		1,500	12,2770	12,2690		
Irradiado	11161	ED	251°46'54"		91°18'21"		1,500	19,3990	19,3940		
Irradiado	11162	CA	256°43'46"		93°45'22"		0,500	25,4100	25,3560		
Irradiado	11163	MF	312°57'06"		91°40'48"		1,500	8,7780	8,7740		
Irradiado	11164	MF	302°20'29"		92°32'48"		1,500	8,4170	8,4090		
Irradiado	11165	MF	296°12'38"		92°47'49"		1,500	8,9810	8,9700		
Irradiado	11166	MF	232°38'12"		90°41'47"		1,500	9,1460	9,1450		
Irradiado	11167	MF	240°50'37"		91°18'08"		1,500	8,5240	8,5220		
Irradiado	11168	MF	249°34'55"		92°34'48"		1,500	8,8150	8,8060		
Irradiado	11169	MF	31°28'16"		89°47'01"		1,500	5,5340	5,5340		
Irradiado	11170	MF	43°59'10"		91°05'11"		1,500	5,0800	5,0790		
Irradiado	11171	MF	53°02'42"		90°41'29"		1,500	5,4080	5,4080		
Irradiado	11172	MF	165°33'43"		90°06'05"		1,500	5,4250	5,4250		
Irradiado	11173	MF	155°27'20"		90°28'56"		1,500	4,6550	4,6550		
Irradiado	11174	MF	143°12'49"		91°04'20"		1,500	4,8690	4,8680		
Irradiado	11175	MF	130°13'56"		90°35'48"		1,500	5,8640	5,8640		
Irradiado	11176	EXA	269°38'29"		93°14'34"		1,500	2,6830	2,6790		
Irradiado	11177	CER	23°31'16"		89°26'02"		1,500	7,5200	7,5200		
Irradiado	11178	CER	71°34'27"		89°04'59"		1,500	17,6390	17,6370		
Irradiado	11179	CER	56°16'19"		88°19'25"		1,500	21,2330	21,2240		
Irradiado	11180	CED	58°19'13"		88°33'34"		1,500	21,9020	21,8950		
Irradiado	11181	CA	64°07'37"		88°06'15"		1,500	25,6160	25,6020		
Irradiado	11182	CA	76°29'14"		89°14'33"		1,500	23,5500	23,5480		
Irradiado	11183	CED	79°43'06"		88°32'02"		1,500	28,8050	28,7960		
Irradiado	11184	CERV	80°15'26"		88°50'00"		1,500	30,0830	30,0770		
Irradiado	11185	CA	258°31'34"		91°51'06"		1,500	38,7380	38,7170		
Irradiado	11186	PC	85°47'23"		89°03'54"		1,500	29,1510	29,1480		
Irradiado	11187	MF	86°12'26"		89°07'02"		1,500	28,5190	28,5160		
Irradiado	11188	MF	100°25'46"		89°02'45"		1,500	27,9660	27,9630		
Irradiado	11189	MF	100°28'57"		89°05'07"		1,500	28,0470	28,0440		
Irradiado	11190	EXA	93°03'18"		88°55'06"		1,500	27,5610	27,5570		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL53	E	1,574				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	11191	CA	264°12'44"		91°30'43"		1,500	44,4100	44,3940		
Irradiado	11192	CA	265°15'36"		91°29'28"		1,500	50,1600	50,1430		
Irradiado	11193	CA	81°54'49"		88°51'30"		1,500	34,9860	34,9790		
Irradiado	11194	CA	83°46'22"		88°08'22"		2,000	41,4100	41,3880		
Irradiado	11195	CA	265°29'52"		91°23'30"		1,500	67,3740	67,3540		
Irradiado	11196	CERV	266°13'11"		91°43'12"		1,500	68,3540	68,3230		
Irradiado	11197	CED	266°39'27"		91°38'04"		1,500	69,8520	69,8240		
Irradiado	11198	CA	267°04'39"		91°31'20"		1,500	76,1240	76,0970		
Irradiado	11199	CERV	86°34'27"		88°45'04"		1,500	54,4020	54,3890		
Irradiado	11200	CERD	87°59'18"		88°31'22"		1,500	66,0360	66,0140		
Irradiado	11201	MF	90°18'50"		88°38'20"		1,500	66,4330	66,4140		
Irradiado	11202	MF	270°30'20"		91°39'04"		1,500	75,1770	75,1460		
Irradiado	11203	PC	89°57'43"		88°30'50"		1,500	69,3900	69,3670		
Irradiado	11204	MF	275°49'42"		91°34'28"		1,500	74,8350	74,8070		
Irradiado	11205	MF	96°17'11"		88°31'25"		1,500	66,6350	66,6130		
Irradiado	11206	EXA	273°00'26"		91°36'18"		1,500	74,6300	74,6010		
Irradiado	11207	EXA	93°10'56"		88°27'45"		1,500	66,5770	66,5530		
Irradiado	11208	CED	100°40'27"		90°07'01"		0,200	52,2860	52,2860		
Irradiado	11209	CED	102°02'45"		89°31'10"		1,000	46,0690	46,0670		
Irradiado	11210	CED	102°58'05"		88°21'33"		1,500	40,7510	40,7340		
Irradiado	11211	MU	278°51'30"		91°38'41"		1,500	59,3560	59,3310		
Irradiado	11212	MED	279°14'23"		91°31'23"		1,500	55,4090	55,3890		
Irradiado	11213	MED	280°23'51"		91°15'07"		1,500	49,4230	49,4110		
Irradiado	11214	MED	281°10'19"		90°31'56"		1,500	45,6420	45,6400		
Irradiado	11215	CERD	102°30'32"		88°38'55"		1,500	42,6330	42,6210		
Irradiado	11216	MED	104°59'21"		88°09'55"		1,500	34,2380	34,2200		
Irradiado	11217	MU	106°46'39"		88°45'40"		1,500	30,2850	30,2780		
Irradiado	11218	MCER	112°11'42"		88°28'59"		1,500	30,9680	30,9580		
Irradiado	11219	CED	114°36'27"		88°43'04"		1,500	27,9840	27,9770		
Irradiado	11220	CED	122°03'11"		88°00'03"		1,700	21,8510	21,8380		
Irradiado	11221	CERD	115°29'17"		89°08'02"		1,500	19,7720	19,7700		
Irradiado	11222	CED	124°07'10"		88°53'33"		1,500	14,4910	14,4890		
Irradiado	11223	CED	143°36'28"		88°49'43"		1,500	9,4240	9,4220		
Irradiado	11224	CER	162°35'38"		89°40'28"		1,500	7,8590	7,8590		
Irradiado	11225	CA	282°33'00"		90°34'20"		1,500	39,2940	39,2920		
Irradiado	11226	CERD	284°25'47"		93°35'10"		1,500	35,6240	35,5540		
Irradiado	11227	CER	316°19'47"		90°53'33"		1,500	10,5340	10,5330		
Irradiado	11228	PC	292°18'10"		92°57'57"		1,500	12,1480	12,1320		
Irradiado	11229	MF	278°57'42"		91°56'51"		1,500	34,1970	34,1770		
Irradiado	11230	CED	300°56'50"		92°05'21"		1,500	14,6640	14,6550		
Irradiado	11231	CA	292°49'57"		92°00'35"		1,500	20,3600	20,3480		
Irradiado	11232	CA	289°23'23"		91°33'31"		1,500	24,4590	24,4500		
Irradiado	11233	MF	267°21'25"		91°52'11"		1,500	34,2130	34,1940		
Irradiado	11234	CA	285°37'05"		93°30'40"		0,100	30,7530	30,6960		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J15	E	1,539				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL53		359°59'59"	179°59'54"	91°39'28"	268°20'35"	1,500	128,3170	128,2630		
Auxiliar	J15.1	A	181°52'08"	1°52'00"	88°05'20"	271°54'47"	1,500	110,8010	110,7390		
Irradiado	11235	MF	211°13'24"		89°58'18"		1,500	6,9530	6,9530		
Irradiado	11236	MF	151°20'48"		90°03'54"		1,500	7,0670	7,0670		
Irradiado	11237	EXA	180°21'41"		88°58'35"		1,500	6,0900	6,0890		
Irradiado	11238	MED	209°55'03"		88°39'14"		1,500	13,7930	13,7890		
Irradiado	11239	CED	200°48'00"		88°38'18"		1,500	19,6310	19,6260		
Irradiado	11240	MED	214°38'48"		88°03'24"		1,500	12,0170	12,0100		
Irradiado	11241	CA	243°15'58"		87°08'43"		1,500	7,6270	7,6180		
Irradiado	11242	CA	266°56'05"		90°08'30"		1,500	6,7940	6,7940		
Irradiado	11243	CED	311°55'08"		89°11'15"		1,500	9,0600	9,0590		
Irradiado	11244	CERD	316°55'22"		91°25'14"		1,500	9,8380	9,8350		
Irradiado	11245	CED	321°13'32"		91°09'48"		1,500	10,6710	10,6690		
Irradiado	11246	CA	335°46'16"		91°10'55"		1,500	16,3670	16,3640		
Irradiado	11247	CA	24°12'36"		91°44'07"		1,500	18,6130	18,6050		
Irradiado	11248	CA	18°39'45"		91°30'59"		1,500	23,6680	23,6600		
Irradiado	11249	MF	347°58'29"		91°39'49"		1,500	17,5910	17,5840		
Irradiado	11250	MF	10°39'58"		91°55'43"		1,500	18,0410	18,0310		
Irradiado	11251	EXA	358°16'54"		91°27'56"		1,500	17,4500	17,4450		
Irradiado	11252	CA	9°09'16"		91°17'43"		1,500	24,2310	24,2250		
Irradiado	11253	CA	340°16'04"		91°20'16"		1,500	19,7340	19,7290		
Irradiado	11254	CED	346°51'35"		91°11'55"		1,500	28,9910	28,9850		
Irradiado	11255	CED	348°04'04"		91°06'04"		1,500	32,0800	32,0750		
Irradiado	11256	CERV	13°45'37"		91°45'01"		1,500	26,6150	26,6030		
Irradiado	11257	CA	350°32'25"		91°24'52"		1,500	39,8660	39,8540		
Irradiado	11258	CA	22°00'23"		91°31'14"		1,600	31,4870	31,4760		
Irradiado	11259	CA	19°09'22"		91°49'35"		1,500	38,3900	38,3700		
Irradiado	11260	MU	351°31'19"		91°19'47"		1,500	42,3730	42,3610		
Irradiado	11261	CERD	10°29'39"		91°49'50"		1,500	39,2430	39,2230		
Irradiado	11262	CED	9°25'28"		91°43'55"		1,500	42,6690	42,6490		
Irradiado	11263	CED	8°11'58"		91°41'07"		1,500	49,0410	49,0200		
Irradiado	11264	CA	350°42'02"		90°53'29"		1,500	53,1680	53,1610		
Irradiado	11265	CERD	8°04'34"		91°50'32"		1,500	50,9500	50,9230		
Irradiado	11266	CERD	6°32'25"		91°50'05"		1,500	51,2230	51,1960		
Irradiado	11267	MUD	353°26'43"		90°49'47"		2,000	54,5600	54,5540		
Irradiado	11268	MED	353°43'34"		90°51'58"		2,000	56,4920	56,4850		
Irradiado	11269	CA	354°19'03"		91°16'56"		2,000	64,9700	64,9540		
Irradiado	11270	CERV	354°15'50"		91°21'34"		1,800	67,7860	67,7670		
Irradiado	11271	CED	354°51'36"		92°46'58"		0,100	76,8520	76,7620		
Irradiado	11272	CA	355°10'44"		92°34'54"		0,300	82,9900	82,9060		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J15.1	E	1,416				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	J15		359°59'59"	179°59'54"	91°53'52"	268°06'14"	1,500	110,8220	110,7610		
Auxiliar	J15.1.1	A	358°17'36"		91°50'21"		1,500	178,4630	178,3710		
Auxiliar	J15.1.2	A	20°32'18"	200°32'18"	89°13'59"	270°46'05"	1,500	21,4460	21,4440		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J15.1	E	1,416				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	11272	PC	157°51'22"		86°26'07"		1,500	21,6600	21,6180		
Irradiado	11273	MF	177°41'02"		88°03'59"		1,500	16,6620	16,6530		
Irradiado	11274	BAT	153°19'50"		87°21'21"		1,500	16,6490	16,6320		
Irradiado	11275	EXT	164°58'49"		87°35'24"		1,500	15,9130	15,8990		
Irradiado	11276	MF	177°51'02"		88°16'25"		1,500	35,0150	34,9990		
Irradiado	11277	BAT	167°35'39"		87°25'27"		1,500	34,7400	34,7040		
Irradiado	11278	EXT	171°55'00"		87°40'26"		1,500	33,6880	33,6600		
Irradiado	11279	MF	177°50'33"		88°23'33"		1,500	46,8450	46,8260		
Irradiado	11280	BAT	170°30'36"		87°43'10"		1,500	47,0070	46,9690		
Irradiado	11281	EXT	173°40'39"		87°54'09"		1,500	46,7040	46,6720		
Irradiado	11282	PC	171°15'19"		86°59'18"		1,500	60,0100	59,9270		
Irradiado	11283	BAT	172°25'52"		87°38'33"		1,500	59,9140	59,8630		
Irradiado	11284	EXT	174°36'18"		87°55'48"		1,500	59,4340	59,3950		
Irradiado	11285	CERD	324°31'09"		93°17'07"		1,500	8,5720	8,5580		
Irradiado	11286	CERD	334°17'35"		92°54'53"		1,500	7,9190	7,9090		
Irradiado	11287	BAT	177°29'41"		88°15'08"		1,500	58,9650	58,9370		
Irradiado	11288	CED	304°12'14"		93°52'22"		1,500	6,5240	6,5090		
Irradiado	11289	CED	251°48'25"		93°17'17"		1,500	5,3930	5,3840		
Irradiado	11290	CERD	240°39'20"		93°43'12"		1,500	5,6620	5,6500		
Irradiado	11291	CED	220°27'55"		90°33'47"		1,500	7,4510	7,4510		
Irradiado	11292	BAT	182°05'49"		88°36'47"		1,500	46,0960	46,0820		
Irradiado	11293	CA	201°03'05"		89°41'00"		1,500	13,4420	13,4420		
Irradiado	11294	CERD	199°22'38"		90°00'42"		1,500	14,4610	14,4610		
Irradiado	11295	CED	182°44'01"		88°17'08"		1,500	39,2070	39,1890		
Irradiado	11296	CED	183°28'03"		88°41'59"		1,500	33,8470	33,8380		
Irradiado	11297	CERD	193°47'53"		89°38'49"		1,500	14,0900	14,0900		
Irradiado	11298	CED	184°34'46"		88°35'14"		1,500	27,4530	27,4450		
Irradiado	11299	CED	192°03'56"		89°16'05"		1,500	15,5780	15,5770		
Irradiado	11300	CA	189°40'37"		87°55'01"		1,500	15,5340	15,5240		
Irradiado	11301	CED	186°09'48"		88°31'12"		1,500	22,3880	22,3810		
Irradiado	11302	SO	188°20'26"		88°11'45"		1,500	17,8800	17,8710		
Irradiado	11303	CERD	184°58'14"		88°36'47"		1,500	26,0290	26,0220		
Irradiado	11304	CERD	166°11'11"		86°59'27"		1,500	38,2730	38,2200		
Irradiado	11305	CERD	160°19'47"		86°34'47"		1,500	27,1010	27,0530		
Irradiado	11306	CERD	140°40'27"		86°12'03"		1,500	14,7950	14,7630		
Irradiado	11307	CED	103°30'38"		84°54'51"		1,500	10,5880	10,5460		
Irradiado	11308	CA	66°13'14"		85°49'53"		1,500	11,4070	11,3770		
Irradiado	11309	CA	46°49'03"		86°49'36"		1,500	11,4270	11,4100		
Irradiado	11310	CED	33°01'28"		88°16'32"		1,500	15,2070	15,2000		
Irradiado	11311	CERV	22°05'51"		89°21'47"		1,500	20,6460	20,6450		
Irradiado	11312	CERV	349°57'00"		92°20'42"		1,500	19,1060	19,0900		
Irradiado	11313	PC	19°31'35"		89°41'18"		1,500	20,5450	20,5450		
Irradiado	11314	MF	358°25'52"		91°27'15"		1,500	11,6950	11,6910		
Irradiado	11315	BAT	25°29'41"		90°31'39"		1,500	14,0540	14,0540		
Irradiado	11316	EXT	5°56'26"		92°08'46"		1,500	24,2980	24,2810		
Irradiado	11317	MF	357°56'27"		91°49'59"		1,500	17,8130	17,8040		
Irradiado	11318	MF	357°12'53"		92°00'19"		1,500	18,4630	18,4520		
Irradiado	11319	MF	355°59'07"		92°13'24"		1,500	19,2320	19,2180		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J15.1	E	1,416				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irrradiado	11320	BAT	352°25'22"		92°26'07"		1,500	20,3560	20,3380		
Irrradiado	11321	BAT	353°21'58"		92°30'04"		1,500	28,5170	28,4900		
Irrradiado	11322	MF	356°18'18"		92°18'34"		1,500	29,1470	29,1240		
Irrradiado	11323	MF	358°10'01"		92°28'31"		1,500	30,6600	30,6320		
Irrradiado	11324	MF	358°12'33"		92°26'46"		1,500	31,8540	31,8250		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J15.1.2	E	1,597				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	J15.1		359°59'59"	179°59'58"	90°49'34"	269°10'35"	1,500	21,4620	21,4600		
Irrradiado	11325	EXT	152°48'41"		92°59'11"		1,500	56,6480	56,5710		
Irrradiado	11326	BAT	152°48'41"		92°59'10"		1,500	56,6360	56,5590		
Irrradiado	11327	MF	149°22'16"		93°00'17"		1,500	57,6470	57,5680		
Irrradiado	11328	CED	111°33'28"		95°03'53"		1,500	21,0500	20,9680		
Irrradiado	11329	CA	123°09'14"		93°59'26"		1,500	26,1730	26,1100		
Irrradiado	11330	CER	98°31'19"		95°43'44"		1,500	18,6930	18,6000		
Irrradiado	11331	MF	155°35'54"		92°54'24"		1,500	56,3480	56,2750		
Irrradiado	11332	BAT	70°58'20"		93°15'54"		1,500	30,8480	30,7980		
Irrradiado	11333	BAT	84°55'26"		93°39'02"		1,500	31,5670	31,5030		
Irrradiado	11334	EXT	76°24'42"		93°21'41"		1,500	30,7190	30,6670		
Irrradiado	11335	CA	146°01'35"		92°24'40"		1,500	67,6920	67,6320		
Irrradiado	11336	CA	144°37'08"		92°42'06"		1,500	60,0040	59,9370		
Irrradiado	11337	CERD	147°48'07"		92°55'42"		1,500	70,0940	70,0030		
Irrradiado	11338	CERV	69°58'44"		90°09'16"		1,500	53,2410	53,2410		
Irrradiado	11339	CA	66°32'09"		89°52'41"		1,500	55,3730	55,3730		
Irrradiado	11340	CA	66°30'23"		89°03'38"		1,500	62,1240	62,1160		
Irrradiado	11341	CED	159°46'02"		92°17'52"		1,500	54,9870	54,9430		
Irrradiado	11342	CED	160°07'19"		92°08'26"		2,000	44,6380	44,6070		
Irrradiado	11343	CERV	143°19'04"		93°10'29"		1,500	48,7640	48,6890		
Irrradiado	11344	BAT	71°44'36"		88°50'26"		1,500	64,5210	64,5080		
Irrradiado	11345	BAT	78°47'33"		89°00'11"		1,500	65,3330	65,3230		
Irrradiado	11346	CA	141°27'48"		93°27'40"		1,500	44,8230	44,7410		
Irrradiado	11347	EXT	74°01'30"		88°45'34"		1,500	65,4240	65,4090		
Irrradiado	11348	CA	139°18'51"		92°17'24"		2,500	38,4490	38,4180		
Irrradiado	11349	CA	70°04'47"		88°14'15"		1,500	69,5710	69,5380		
Irrradiado	11350	CA	69°53'01"		87°45'12"		1,500	74,7880	74,7310		
Irrradiado	11351	PC	156°38'02"		93°15'26"		1,500	39,6100	39,5460		
Irrradiado	11352	CED	160°15'36"		92°51'34"		1,500	40,3340	40,2830		
Irrradiado	11353	CA	160°51'37"		92°41'18"		1,500	33,1370	33,1000		
Irrradiado	11354	BAT	71°28'58"		87°01'16"		1,500	82,4760	82,3650		
Irrradiado	11355	BAT	78°24'33"		86°20'30"		1,500	84,3090	84,1370		
Irrradiado	11356	MUV	139°28'54"		94°00'29"		1,500	36,9470	36,8560		
Irrradiado	11357	MED	137°20'30"		94°19'13"		1,500	33,3810	33,2860		
Irrradiado	11358	CA	132°28'06"		94°50'47"		1,500	27,5150	27,4170		
Irrradiado	11359	EXT	75°13'19"		86°40'57"		1,500	84,4820	84,3410		
Irrradiado	11360	CA	162°21'02"		91°13'34"		1,500	27,4330	27,4270		
Irrradiado	11361	CA	162°21'40"		91°21'04"		1,500	17,7410	17,7360		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J15.1.2	E	1,597				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	11362	EXT	75°16'14"		85°10'28"		1,500	116,7380	116,3240		
Irradiado	11363	BAT	78°27'37"		85°02'07"		1,500	116,6950	116,2570		
Irradiado	11364	BAT	71°09'09"		84°39'14"		2,500	118,4610	117,9450		
Irradiado	11365	BAT	152°13'23"		95°13'06"		1,500	16,7610	16,6920		
Irradiado	11366	CERV	80°00'18"		88°17'33"		1,500	67,7220	67,6920		
Irradiado	11367	CERV	163°09'14"		94°32'58"		1,500	11,5550	11,5190		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J15.1.1	E	1,529				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	J15		359°59'59"	179°59'53"	88°18'06"	271°42'02"	1,500	67,7810	67,7510		
Irradiado	11368	CA	345°23'40"		88°04'20"		1,500	60,3300	60,2960		
Irradiado	11369	CA	347°25'58"		87°59'53"		1,500	65,8400	65,8000		
Irradiado	11370	CA	351°00'05"		88°02'32"		1,500	74,8130	74,7690		
Irradiado	11371	CA	352°38'55"		88°01'33"		1,500	82,3940	82,3450		
Irradiado	11372	CERD	218°15'16"		91°34'49"		1,500	22,7780	22,7700		
Irradiado	11373	CED	224°43'53"		91°07'50"		1,500	19,8300	19,8260		
Irradiado	11374	CA	240°12'01"		91°04'28"		1,500	15,2240	15,2220		
Irradiado	11375	CA	302°11'46"		88°31'56"		1,500	14,4100	14,4060		
Irradiado	11376	CA	322°16'55"		89°02'26"		1,500	18,4940	18,4920		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL54	E	1,512				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL53		0°00'16"	180°00'11"	96°09'31"	263°50'38"	1,500	115,8150	115,1460		
Auxiliar	RN50	A	125°12'24"	305°12'22"	90°23'17"	269°36'46"	1,500	16,8830	16,8830		
Auxiliar	J16	A	259°24'23"	79°24'12"	88°33'02"	271°27'13"	1,500	103,1900	103,1570	X	
Irradiado	11377	CA	117°53'23"		89°42'22"		2,000	30,1420	30,1420		
Irradiado	11378	CA	126°28'28"		89°03'04"		2,000	24,4770	24,4740		
Irradiado	11379	CA	110°30'50"		90°52'04"		2,000	39,1330	39,1280		
Irradiado	11380	CA	106°16'30"		90°58'57"		2,000	48,9740	48,9670		
Irradiado	11381	MUD	107°03'38"		91°34'00"		1,500	34,3780	34,3650		
Irradiado	11382	MUD	121°55'05"		90°51'12"		1,500	20,6670	20,6650		
Irradiado	11383	MU	124°55'15"		90°29'48"		1,500	21,1720	21,1720		
Irradiado	11384	MED	129°34'30"		90°13'51"		1,500	19,3770	19,3770		
Irradiado	11385	MED	144°46'50"		89°36'38"		1,500	15,5940	15,5940		
Irradiado	11386	MU	155°09'07"		89°07'20"		1,500	14,2450	14,2440		
Irradiado	11387	MCER	165°26'34"		89°17'15"		1,500	26,1790	26,1770		
Irradiado	11388	CERD	167°13'34"		89°17'31"		1,500	31,2810	31,2790		
Auxiliar	J17	A	264°14'03"	84°13'55"	87°42'46"	272°17'21"	1,500	240,2110	240,0200		
Irradiado	11389	CERD	170°56'14"		89°14'47"		1,500	49,6160	49,6110		
Irradiado	11390	CERV	173°37'58"		89°19'45"		1,500	79,4950	79,4900		
Irradiado	11391	CERV	180°59'49"		88°12'14"		2,500	70,1190	70,0850		
Irradiado	11392	CERD	182°41'18"		88°55'52"		1,500	49,0250	49,0160		
Irradiado	11393	BAT	181°10'56"		88°59'54"		1,500	49,0010	48,9930		
Irradiado	11394	EXT	176°50'34"		89°06'13"		1,500	48,6360	48,6300		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL54	E	1,512				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	11395	BAT	172°29'28"		89°12'40"		1,500	48,5490	48,5440		
Irradiado	11396	CER	191°00'45"		88°26'48"		1,500	25,0590	25,0500		
Irradiado	11397	CED	195°19'03"		88°33'05"		1,500	25,3470	25,3390		
Irradiado	11398	CA	203°03'07"		88°13'31"		1,500	18,1510	18,1430		
Irradiado	11399	CED	219°02'37"		88°00'12"		1,500	21,7450	21,7320		
Irradiado	11400	MCER	226°42'07"		87°45'19"		1,500	24,9130	24,8940		
Irradiado	11401	PC	240°13'51"		86°49'49"		1,500	7,0340	7,0230		
Irradiado	11402	MUV	234°50'43"		87°24'57"		1,500	22,3850	22,3630		
Irradiado	11403	CA	89°51'44"		91°51'34"		1,500	9,6450	9,6400		
Irradiado	11404	CED	76°47'20"		92°07'21"		1,500	9,7820	9,7750		
Irradiado	11405	CER	68°43'35"		92°49'56"		1,500	5,5730	5,5660		
Irradiado	11406	CA	231°15'44"		85°38'32"		2,000	26,2970	26,2210		
Irradiado	11407	CA	239°01'44"		85°58'54"		2,500	32,4470	32,3680		
Irradiado	11408	MUD	246°12'27"		87°48'45"		1,500	33,2500	33,2250		
Irradiado	11409	MUD	251°51'57"		88°04'01"		1,500	45,1560	45,1300		
Irradiado	11410	MUD	250°54'17"		86°43'58"		2,500	45,3990	45,3250		
Irradiado	11411	PC	263°36'08"		88°24'23"		1,500	45,3930	45,3750		
Irradiado	11412	MUD	257°41'05"		88°15'19"		1,500	85,3230	85,2840		
Irradiado	11413	MCER	258°57'03"		88°29'22"		1,500	102,6770	102,6420		
Irradiado	11414	BAT	259°40'48"		88°29'08"		1,500	102,4790	102,4440		
Irradiado	11415	BAT	259°39'07"		88°33'39"		1,500	102,4830	102,4510		
Irradiado	11416	CA	273°06'49"		88°00'11"		2,000	49,7710	49,7410		
Irradiado	11417	CA	272°35'35"		88°06'42"		2,000	57,0300	56,9990		
Irradiado	11418	CA	267°42'42"		88°08'52"		2,000	62,7250	62,6920		
Irradiado	11419	CA	267°44'24"		88°01'59"		2,500	69,7120	69,6710		
Irradiado	11420	CA	266°11'31"		87°51'03"		2,500	74,6060	74,5540		
Irradiado	11421	CA	266°11'57"		87°56'49"		2,500	82,1770	82,1240		
Irradiado	11422	PC	265°22'37"		87°55'03"		2,500	82,7970	82,7420		
Irradiado	11423	BAT	264°24'50"		87°51'07"		2,500	82,8920	82,8340		
Irradiado	11424	BAT	258°47'58"		88°15'55"		1,500	83,5700	83,5320		
Irradiado	11425	EXT	261°04'53"		88°22'11"		1,500	83,1370	83,1030		
Irradiado	11426	EXT	257°47'59"		88°15'47"		1,500	46,9290	46,9070		
Irradiado	11427	BAT	254°06'23"		88°07'16"		1,500	47,4940	47,4680		
Irradiado	11428	BAT	262°03'04"		88°24'09"		1,500	45,7320	45,7140		
Irradiado	11429	BAT	230°14'59"		87°09'34"		1,500	7,0110	7,0030		
Irradiado	11430	BAT	206°04'00"		88°05'23"		1,500	11,9540	11,9480		
Irradiado	11431	BAT	129°05'11"		89°30'30"		1,500	5,3610	5,3610		
Irradiado	11432	MF	156°12'55"		89°40'59"		1,500	14,6080	14,6080		
Irradiado	11433	MF	153°28'20"		89°55'16"		1,500	13,2920	13,2920		
Irradiado	11434	MF	147°47'37"		89°56'21"		1,500	12,4400	12,4400		
Irradiado	11435	MF	141°23'07"		90°23'42"		1,500	12,7220	12,7220		
Irradiado	11436	EXT	178°57'05"		88°04'58"		1,500	7,0590	7,0550		
Irradiado	11437	EXA	131°56'51"		89°57'47"		1,500	10,7200	10,7200		
Irradiado	11438	EXT	133°16'36"		89°55'00"		1,500	10,1440	10,1440		
Irradiado	11439	BAT	17°28'05"		93°34'52"		1,500	9,2340	9,2160		
Irradiado	11440	BAT	339°43'33"		90°59'52"		1,500	10,1550	10,1540		
Irradiado	11441	EXT	356°38'09"		93°40'33"		1,500	9,9800	9,9600		
Irradiado	11442	EXT	357°06'18"		94°46'04"		1,500	24,0220	23,9390		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL54	E	1,512				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	11443	BAT	5°11'13"		94°44'44"		1,500	24,0590	23,9770		
Irradiado	11444	BAT	350°19'31"		93°28'21"		1,500	25,6930	25,6460		
Irradiado	11445	CER	8°39'26"		94°58'41"		1,500	22,9170	22,8310		
Irradiado	11446	CER	6°06'34"		95°22'34"		1,500	35,1080	34,9530		
Irradiado	11447	CA	246°11'10"		86°13'15"		2,500	42,3830	42,2900		
Irradiado	11448	BAT	3°44'46"		95°20'08"		1,500	35,4780	35,3240		
Irradiado	11449	BAT	353°17'57"		94°50'40"		1,500	39,4670	39,3260		
Irradiado	11450	EXT	358°22'01"		95°18'01"		1,500	38,3880	38,2230		
Irradiado	11451	EXT	358°53'18"		95°40'40"		1,500	51,6970	51,4430		
Auxiliar	CR1	A	357°52'27"	177°52'18"	95°47'09"	264°12'57"	1,500	56,2820	55,9950		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
CR1	E	1,570				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL54		359°59'59"	179°59'53"	84°18'46"	275°41'13"	1,500	56,2890	56,0120		
Irradiado	11451	CERV	313°05'40"		90°34'14"		1,500	8,6130	8,6130		
Irradiado	11452	CA	233°02'02"		99°44'44"		1,500	14,6560	14,4450		
Irradiado	11453	CA	219°46'22"		99°18'22"		1,500	19,4460	19,1900		
Irradiado	11454	CERV	206°50'28"		99°23'06"		1,500	18,7560	18,5050		
Irradiado	11455	SO	229°11'03"		99°28'54"		1,500	15,8400	15,6240		
Irradiado	11456	BAT	222°13'24"		101°02'34"		1,500	8,7210	8,5600		
Irradiado	11457	BAT	158°03'35"		96°14'06"		1,500	8,6370	8,5860		
Irradiado	11458	BAT	174°13'49"		98°59'22"		1,500	21,3370	21,0750		
Irradiado	11459	BAT	198°51'11"		99°32'45"		1,500	22,2290	21,9220		
Irradiado	11460	BAT	192°33'45"		99°45'21"		1,500	36,5390	36,0100		
Irradiado	11461	BAT	180°24'26"		99°27'06"		1,500	37,5580	37,0480		
Irradiado	11462	EXT	186°29'22"		99°27'21"		1,500	37,4230	36,9140		
Irradiado	11463	EXT	186°11'04"		99°49'02"		1,500	31,6920	31,2280		
Irradiado	11464	EXT	183°58'21"		99°08'14"		1,500	14,2210	14,0410		
Irradiado	11465	EXT	179°28'34"		102°55'07"		1,500	1,2400	1,2090		
Irradiado	11466	CERV	97°57'53"		80°05'35"		1,500	7,1170	7,0110		