

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL55	E	1,582				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL54		359°59'59"	180°00'03"	90°42'15"	269°17'29"	1,500	80,0430	80,0370		
Auxiliar	F1	A	271°17'49"	91°17'40"	87°36'28"	272°23'20"	1,500	175,3930	175,2410		
Auxiliar	F2	A	191°38'01"	11°38'00"	87°12'00"	272°48'01"	1,500	204,2130	203,9690		
Auxiliar	F3	A	95°34'50"	275°34'34"	91°08'04"	268°51'42"	1,500	118,9930	118,9690		
Irradiado	15000	BAT	187°16'24"		93°05'04"		1,500	7,4560	7,4450		
Irradiado	15001	BAT	234°42'25"		95°32'14"		1,500	0,8820	0,8780		
Irradiado	15002	BAT	278°53'36"		88°34'50"		1,500	9,2620	9,2590		
Irradiado	15003	BAT	237°39'20"		90°43'40"		1,500	10,9500	10,9490		
Irradiado	15004	EXT	239°31'48"		91°01'49"		1,500	5,7720	5,7710		
Irradiado	15005	BAT	259°56'55"		90°04'05"		1,500	27,1200	27,1200		
Irradiado	15006	BAT	273°20'08"		88°47'48"		1,500	26,3280	26,3230		
Irradiado	15007	EXT	266°53'25"		89°14'16"		1,500	26,6640	26,6620		
Irradiado	15008	PC	254°05'47"		90°37'16"		1,500	23,0090	23,0080		
Irradiado	15009	BAT	274°01'01"		88°45'44"		1,500	57,1510	57,1380		
Irradiado	15010	BAT	267°29'24"		88°58'09"		1,500	57,3310	57,3220		
Irradiado	15011	EXT	271°20'50"		88°48'23"		1,500	57,1590	57,1460		
Irradiado	15012	PC	267°03'50"		89°15'04"		1,500	61,9790	61,9740		
Irradiado	15013	BAT	270°45'22"		88°14'34"		1,500	97,1930	97,1480		
Irradiado	15014	BAT	274°35'35"		88°04'30"		1,500	96,7870	96,7330		
Irradiado	15015	EXT	272°40'45"		88°15'44"		1,500	96,3540	96,3100		
Irradiado	15016	PC	269°53'59"		88°07'15"		1,500	101,5010	101,4470		
Irradiado	15017	BAT	270°53'55"		87°53'00"		1,500	128,1640	128,0760		
Irradiado	15018	BAT	274°34'56"		87°50'29"		1,500	128,6360	128,5450		
Irradiado	15019	EXT	272°36'04"		87°54'51"		1,500	128,6990	128,6140		
Irradiado	15020	PC	271°09'03"		87°47'06"		1,500	140,9190	140,8140		
Irradiado	15021	BAT	271°43'47"		87°45'05"		1,500	160,7100	160,5860		
Irradiado	15022	BAT	274°41'38"		87°47'26"		1,500	160,5050	160,3860		
Irradiado	15023	EXT	273°08'06"		87°43'01"		1,500	160,9250	160,7970		
Irradiado	15024	EXT	273°01'11"		87°38'15"		1,500	189,0010	188,8400		
Irradiado	15025	BAT	274°23'31"		87°38'17"		1,500	187,4370	187,2770		
Irradiado	15026	BAT	271°47'10"		87°35'56"		1,500	180,5380	180,3790		
Irradiado	15027	CERV	271°15'56"		87°37'04"		1,500	174,8240	174,6730		
Irradiado	15028	CERD	270°32'40"		87°50'29"		1,500	136,1660	136,0690		
Irradiado	15029	CERV	269°00'23"		87°56'41"		2,000	98,6750	98,6120		
Irradiado	15030	CERV	269°04'25"		88°11'43"		2,000	86,4260	86,3830		
Irradiado	15031	CA	268°38'12"		88°07'07"		2,500	84,0970	84,0520		
Irradiado	15032	CA	267°58'06"		87°51'23"		2,500	76,4330	76,3800		
Irradiado	15033	CER	265°54'45"		89°22'14"		1,500	62,4030	62,3990		
Irradiado	15034	CER	264°34'28"		89°19'24"		1,500	62,1910	62,1870		
Irradiado	15035	MCER	264°02'49"		89°14'08"		1,500	58,7310	58,7260		
Irradiado	15036	MCER	263°49'13"		89°36'05"		1,500	54,6640	54,6630		
Irradiado	15037	CED	262°37'46"		86°29'20"		4,500	48,5420	48,4510		
Irradiado	15038	CA	263°30'50"		89°55'51"		1,500	48,2230	48,2230		
Irradiado	15039	CA	261°50'22"		90°29'28"		1,500	42,2400	42,2380		
Irradiado	15040	CERV	259°45'52"		90°48'26"		1,500	40,6350	40,6310		
Irradiado	15041	CERV	249°22'13"		91°51'17"		1,500	27,3900	27,3760		
Irradiado	15042	CER	319°05'50"		88°30'06"		1,500	13,8560	13,8520		
Irradiado	15043	CED	312°03'54"		88°24'30"		1,500	15,5690	15,5630		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL55	E	1,582				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	15044	CA	281°57'49"		87°29'05"		1,500	12,3670	12,3550		
Irradiado	15045	CED	279°10'02"		88°20'19"		1,500	18,8320	18,8240		
Irradiado	15046	CERV	278°30'20"		88°20'10"		1,500	22,4030	22,3940		
Irradiado	15047	CERV	274°53'52"		88°51'56"		1,500	34,8210	34,8140		
Irradiado	15048	CERD	275°05'04"		87°34'19"		2,500	52,8040	52,7560		
Irradiado	15049	CERV	275°18'27"		87°38'04"		2,500	74,3320	74,2690		
Irradiado	15050	SO	259°50'16"		90°26'44"		1,500	42,7090	42,7070		
Irradiado	15051	BAT	97°09'26"		89°45'53"		1,500	18,6530	18,6530		
Irradiado	15052	BAT	114°21'07"		90°37'28"		1,500	19,5670	19,5660		
Irradiado	15053	EXT	105°20'50"		90°29'15"		1,500	18,7730	18,7730		
Irradiado	15054	PC	118°26'52"		90°45'19"		1,500	19,9260	19,9250		
Irradiado	15055	BAT	104°50'36"		90°34'25"		1,500	42,5350	42,5330		
Irradiado	15056	BAT	96°28'04"		90°46'47"		1,500	41,2480	41,2440		
Irradiado	15057	EXT	100°05'35"		90°46'50"		1,500	41,4730	41,4690		
Irradiado	15058	PC	102°15'24"		90°50'15"		1,500	58,7150	58,7090		
Irradiado	15059	BAT	95°15'08"		91°01'26"		1,500	76,8490	76,8370		
Irradiado	15060	BAT	100°10'18"		91°01'02"		1,500	78,2150	78,2030		
Irradiado	15061	EXT	97°30'23"		91°01'03"		1,500	77,7130	77,7010		
Irradiado	15062	CA	101°18'45"		90°56'07"		1,500	84,9660	84,9550		
Irradiado	15063	CA	101°27'02"		90°53'58"		1,500	78,5490	78,5390		
Irradiado	15064	CERD	103°33'12"		90°53'53"		1,500	78,6200	78,6100		
Irradiado	15065	CER	104°15'18"		90°53'24"		1,500	63,3310	63,3230		
Irradiado	15066	CERD	106°00'22"		90°59'35"		1,500	63,1990	63,1890		
Irradiado	15067	CED	106°07'44"		91°06'43"		1,500	59,9550	59,9440		
Irradiado	15068	MED	108°03'41"		91°01'48"		1,500	48,3010	48,2930		
Irradiado	15069	MCER	108°48'55"		90°59'32"		1,500	44,7780	44,7710		
Irradiado	15070	CER	106°16'39"		90°49'09"		1,500	44,1210	44,1160		
Irradiado	15071	CERV	94°48'50"		90°38'34"		1,500	27,3330	27,3320		
Irradiado	15072	CA	85°09'35"		90°50'49"		1,500	23,9440	23,9420		
Irradiado	15073	CA	82°04'32"		90°10'38"		1,500	16,5130	16,5130		
Irradiado	15074	CERD	94°28'07"		90°08'46"		1,500	13,1950	13,1950		
Irradiado	15075	CERV	131°30'03"		91°41'06"		1,500	15,3810	15,3750		
Irradiado	15076	CER	50°48'34"		94°00'39"		1,500	0,3830	0,3820		
Irradiado	15077	CA	39°29'18"		88°59'59"		1,500	2,5600	2,5600		
Irradiado	15078	CA	82°23'11"		90°08'50"		1,500	8,6170	8,6170		
Irradiado	15079	CA	12°52'18"		90°42'55"		1,500	14,7190	14,7180		
Irradiado	15080	BAT	217°27'10"		94°24'14"		1,500	15,9620	15,9150		
Irradiado	15081	BAT	185°00'08"		95°30'11"		1,500	14,3710	14,3050		
Irradiado	15082	EXT	198°02'52"		96°02'41"		1,500	14,9520	14,8690		
Irradiado	15083	EXT	193°59'58"		99°25'31"		1,500	29,5980	29,1990		
Irradiado	15084	BAT	201°19'36"		99°12'09"		1,500	30,8500	30,4530		
Irradiado	15085	BAT	185°46'18"		99°35'36"		1,500	30,6800	30,2510		
Irradiado	15086	BAT	185°50'05"		94°18'42"		1,500	65,9450	65,7580		
Irradiado	15087	BAT	192°59'07"		94°10'28"		1,500	64,5790	64,4080		
Irradiado	15088	BAT	192°40'40"		93°46'26"		1,500	69,8080	69,6570		
Irradiado	15089	BAT	185°23'20"		93°55'49"		1,500	72,4440	72,2740		
Irradiado	15090	EXT	188°22'14"		94°11'00"		1,500	67,5520	67,3720		
Irradiado	15091	PC	193°39'32"		94°11'47"		1,500	63,1260	62,9570		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL55	E	1,582				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	15092	BAT	191°44'58"		92°38'43"		1,500	81,6350	81,5480		
Irradiado	15093	BAT	186°00'37"		92°38'29"		1,500	82,0820	81,9950		
Irradiado	15094	EXT	188°45'35"		92°32'04"		1,500	82,1090	82,0290		
Irradiado	15095	EXT	189°42'51"		89°27'47"		1,500	99,6120	99,6080		
Irradiado	15096	BAT	192°17'43"		89°11'13"		1,500	99,2300	99,2200		
Irradiado	15097	BAT	187°50'24"		89°25'21"		1,500	100,5660	100,5610		
Irradiado	15098	BAT	188°56'08"		87°49'54"		1,500	124,8850	124,7950		
Irradiado	15099	BAT	192°19'44"		87°40'12"		1,500	125,0660	124,9620		
Irradiado	15100	EXT	190°43'34"		87°41'35"		1,500	125,1360	125,0340		
Irradiado	15101	BAT	189°25'23"		87°09'01"		2,500	132,7230	132,5590		
Irradiado	15102	BAT	188°53'37"		87°17'22"		2,500	126,0760	125,9350		
Irradiado	15103	EXT	190°40'51"		87°08'05"		2,500	129,3360	129,1740		
Irradiado	15104	EXT	180°33'31"		88°04'15"		2,500	133,9980	133,9220		
Irradiado	15105	BAT	180°33'17"		88°08'52"		2,500	129,9190	129,8510		
Irradiado	15106	BAT	180°30'56"		88°01'52"		2,500	139,0440	138,9620		
Irradiado	15107	BAT	171°06'38"		89°00'11"		2,500	152,2340	152,2110		
Irradiado	15108	BAT	169°52'39"		89°21'04"		2,500	143,2720	143,2630		
Irradiado	15109	EXT	170°21'33"		89°08'48"		2,500	147,7400	147,7240		
Irradiado	15110	EXT	163°33'39"		89°21'38"		4,000	165,5190	165,5090		
Irradiado	15111	BAT	163°28'17"		89°26'58"		4,000	158,7830	158,7760		
Irradiado	15112	BAT	163°42'12"		89°19'57"		4,000	168,2570	168,2460		
Irradiado	15113	CED	167°18'39"		89°24'18"		2,500	162,0410	162,0330		
Irradiado	15114	CED	169°16'01"		89°11'25"		2,500	157,9090	157,8930		
Irradiado	15115	CERD	166°46'37"		89°42'46"		2,500	147,9190	147,9170		
Irradiado	15116	CERD	171°13'51"		88°55'33"		2,500	153,4470	153,4200		
Irradiado	15117	CERD	176°12'05"		87°57'38"		3,500	144,9490	144,8570		
Irradiado	15118	CERD	176°16'39"		88°20'37"		3,500	132,4580	132,4030		
Irradiado	15119	CA	177°33'14"		87°48'05"		3,500	147,8630	147,7540		
Irradiado	15120	CA	180°18'56"		87°35'58"		3,500	145,4520	145,3240		
Irradiado	15121	CERD	182°00'51"		87°51'02"		2,500	138,6550	138,5570		
Irradiado	15122	CERD	185°23'39"		87°37'01"		2,500	126,1550	126,0460		
Irradiado	15123	CERV	188°30'38"		87°18'31"		2,500	125,1840	125,0460		
Irradiado	15124	CERV	187°54'41"		87°20'54"		2,500	133,8230	133,6800		
Irradiado	15125	CA	186°55'47"		87°24'15"		2,500	139,7570	139,6140		
Irradiado	15126	CA	184°47'40"		87°54'27"		1,800	140,8430	140,7490		
Irradiado	15127	CA	187°08'40"		87°38'26"		1,800	146,5530	146,4290		
Irradiado	15128	BAT	188°32'58"		87°36'24"		1,500	151,2350	151,1030		
Irradiado	15129	BAT	191°41'32"		87°26'23"		1,500	149,6240	149,4750		
Irradiado	15130	EXT	189°45'00"		87°33'32"		1,500	150,2780	150,1420		
Irradiado	15131	BAT	188°51'19"		87°23'03"		1,500	173,4510	173,2710		
Irradiado	15132	BAT	191°52'54"		87°07'45"		1,500	171,7700	171,5550		
Irradiado	15133	EXT	189°42'28"		87°20'11"		1,500	173,4490	173,2620		
Irradiado	15134	EXT	191°23'06"		87°11'03"		1,500	196,4770	196,2400		
Irradiado	15135	BAT	189°57'45"		87°11'00"		1,500	195,3450	195,1090		
Irradiado	15136	CER	189°27'21"		87°14'22"		1,500	190,3530	190,1320		
Irradiado	15137	CER	192°12'05"		86°53'32"		2,500	171,8540	171,6020		
Irradiado	15138	CERD	187°38'33"		87°37'32"		1,500	161,9870	161,8480		
Irradiado	15139	CERD	191°58'40"		87°25'43"		1,500	151,3500	151,1980		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL55	E	1,582				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	15140	CA	197°35'36"		86°50'41"		3,000	126,1150	125,9240		
Irradiado	15141	CA	197°34'00"		86°43'46"		3,000	120,4040	120,2080		
Irradiado	15142	CA	200°52'21"		86°32'57"		3,000	119,9530	119,7350		
Irradiado	15143	CERV	193°14'06"		87°52'14"		1,500	113,8820	113,8030		
Irradiado	15144	CERV	192°58'23"		88°29'12"		1,500	104,1320	104,0960		
Irradiado	15145	CER	187°18'43"		89°31'06"		1,500	99,8800	99,8770		
Irradiado	15146	CERD	186°05'11"		89°37'37"		1,500	100,2470	100,2450		
Irradiado	15147	CA	184°56'23"		90°27'04"		1,500	94,6470	94,6440		
Irradiado	15148	CA	180°30'04"		90°30'52"		1,500	97,3660	97,3620		
Irradiado	15149	CER	193°02'23"		93°21'22"		1,500	74,2820	74,1550		
Irradiado	15150	CED	194°39'37"		93°16'59"		1,500	74,1660	74,0440		
Irradiado	15151	CA	200°44'44"		93°07'19"		1,500	74,2680	74,1580		
Irradiado	15152	CED	200°56'43"		93°03'33"		1,500	74,7100	74,6040		
Irradiado	15153	CERD	202°48'08"		92°57'38"		1,500	74,8330	74,7330		
Irradiado	15154	CER	203°23'35"		93°25'41"		1,500	69,9760	69,8510		
Irradiado	15155	CER	208°45'47"		93°56'46"		1,500	62,2290	62,0810		
Irradiado	15156	CER	193°31'27"		94°15'10"		1,500	62,7210	62,5480		
Irradiado	15157	CA	184°18'13"		94°25'18"		1,500	65,0200	64,8260		
Irradiado	15158	CA	182°41'56"		94°42'53"		1,500	58,7680	58,5690		
Irradiado	15159	SO	181°09'01"		96°08'49"		0,100	59,2530	58,9120		
Irradiado	15160	CED	183°22'50"		94°30'17"		1,500	61,2090	61,0200		
Irradiado	15161	CER	184°46'20"		94°54'27"		1,500	60,5040	60,2820		
Irradiado	15162	CER	184°07'52"		98°33'18"		1,500	37,1950	36,7810		
Irradiado	15163	CER	166°44'41"		97°10'10"		2,500	39,8970	39,5850		
Irradiado	15164	CER	199°45'49"		97°56'16"		1,500	37,2440	36,8870		
Auxiliar	F4	A	208°17'38"	28°17'24"	93°33'31"	266°25'39"	1,500	67,4940	67,3640		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J16	E	1,580				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL54		0°00'00"	179°59'56"	91°30'30"	268°29'17"	1,500	103,1940	103,1590		
Irradiado	15166	BAT	188°06'12"		92°18'10"		1,500	15,0710	15,0590		
Irradiado	15167	BAT	224°22'11"		95°06'00"		1,500	17,1010	17,0340		
Irradiado	15168	EXT	200°20'42"		93°27'58"		1,500	14,5050	14,4790		
Irradiado	15169	PC	227°28'58"		95°22'40"		1,500	17,6940	17,6160		
Irradiado	15170	BAT	189°15'44"		95°01'26"		1,500	34,9030	34,7680		
Irradiado	15171	BAT	207°54'46"		95°16'17"		1,500	36,8560	36,7000		
Irradiado	15172	EXT	198°44'44"		95°06'35"		1,500	36,0690	35,9250		
Irradiado	15173	EXT	193°50'42"		88°57'31"		1,500	60,4570	60,4470		
Irradiado	15174	BAT	189°28'14"		88°44'03"		1,500	60,2750	60,2600		
Irradiado	15175	BAT	197°56'33"		89°07'52"		1,500	60,4890	60,4820		
Irradiado	15176	PC	199°01'23"		89°07'26"		1,500	60,3740	60,3670		
Irradiado	15177	BAT	194°26'52"		87°43'12"		1,500	92,1070	92,0340		
Irradiado	15178	BAT	189°41'58"		87°39'07"		1,500	91,2140	91,1380		
Irradiado	15179	EXT	192°14'15"		87°44'52"		1,500	91,5220	91,4520		
Irradiado	15180	EXT	191°39'15"		87°33'19"		1,500	114,6190	114,5140		
Irradiado	15181	BAT	193°43'34"		87°42'27"		1,500	114,7710	114,6790		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J16	E	1,580				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	15182	BAT	189°19'29"		87°29'46"		1,500	114,6890	114,5790		
Irradiado	15183	BAT	188°57'39"		87°09'06"		1,500	138,3790	138,2080		
Irradiado	15184	BAT	192°45'12"		87°21'46"		1,500	147,7040	147,5480		
Irradiado	15185	EXT	190°17'03"		87°17'22"		1,500	147,6850	147,5200		
Irradiado	15186	CERV	194°04'32"		87°41'50"		1,500	119,1460	119,0490		
Irradiado	15187	CERD	195°32'52"		87°50'01"		1,500	88,1450	88,0820		
Irradiado	15188	CERD	196°39'17"		88°09'12"		1,500	74,0810	74,0430		
Irradiado	15189	CA	199°14'12"		88°02'13"		1,500	84,9430	84,8930		
Irradiado	15190	CA	200°01'20"		88°14'34"		1,500	77,9190	77,8830		
Irradiado	15191	CA	206°58'35"		88°33'15"		1,500	79,7520	79,7270		
Irradiado	15192	CERV	203°17'42"		91°30'25"		1,500	49,9020	49,8840		
Irradiado	15193	CERV	188°10'15"		90°52'33"		1,500	46,2830	46,2770		
Irradiado	15194	CERD	187°28'21"		94°47'36"		1,500	35,7930	35,6670		
Irradiado	15195	CERD	185°43'46"		92°57'45"		1,500	24,1830	24,1510		
Irradiado	15196	CERD	180°07'29"		91°29'21"		1,500	14,4090	14,4040		
Irradiado	15197	CA	180°10'56"		91°16'58"		1,500	21,6320	21,6270		
Irradiado	15198	CA	176°09'09"		90°38'25"		1,500	16,2870	16,2860		
Irradiado	15199	CERD	237°56'07"		95°46'27"		1,500	15,9360	15,8550		
Irradiado	15200	CED	335°52'53"		91°55'59"		1,500	23,7010	23,6880		
Irradiado	15201	PC	337°18'17"		92°02'22"		1,500	22,3570	22,3430		
Irradiado	15202	CA	343°15'03"		91°12'04"		1,500	30,4760	30,4700		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
RN50	E	1,360				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL54		0°00'00"	179°59'51"	89°12'17"	270°47'40"	1,500	16,8610	16,8600		
Irradiado	15203	MF	116°10'52"		92°55'44"		1,500	15,2840	15,2640		
Irradiado	15204	MF	141°49'38"		92°54'50"		1,500	13,7080	13,6910		
Irradiado	15205	EXA	128°28'52"		92°33'56"		1,500	14,1910	14,1770		
Irradiado	15206	PC	123°14'55"		92°39'34"		1,500	21,8840	21,8610		
Irradiado	15207	MF	134°17'51"		92°27'04"		1,500	47,7270	47,6830		
Irradiado	15208	MF	142°05'52"		92°16'48"		1,500	46,8230	46,7860		
Irradiado	15209	EXA	138°03'34"		92°19'18"		1,500	46,6280	46,5890		
Irradiado	15210	PC	134°46'06"		92°34'16"		1,500	55,2270	55,1710		
Irradiado	15211	MF	137°45'12"		92°27'45"		1,500	82,2560	82,1800		
Irradiado	15212	MF	142°15'52"		92°24'28"		1,500	81,7130	81,6410		
Irradiado	15213	EXA	139°39'58"		92°19'24"		1,500	81,1300	81,0630		
Irradiado	15214	PC	137°42'28"		92°16'16"		1,500	90,2270	90,1560		
Irradiado	15215	TP	137°54'00"		92°15'31"		1,500	91,5410	91,4700		
Irradiado	15216	MF	139°12'50"		92°35'18"		1,500	120,6870	120,5640		
Irradiado	15217	MF	142°15'52"		92°35'26"		1,500	120,3930	120,2700		
Irradiado	15218	EXA	140°35'01"		92°31'03"		1,500	120,0980	119,9820		
Irradiado	15219	PC	138°55'00"		92°21'34"		2,500	125,4810	125,3740		
Irradiado	15220	MF	139°53'44"		92°44'12"		1,500	157,2260	157,0470		
Irradiado	15221	MF	142°11'50"		92°32'04"		1,500	157,2750	157,1210		
Irradiado	15222	EXA	141°09'14"		92°33'01"		1,500	157,0880	156,9330		
Irradiado	15223	PC	139°35'11"		92°42'19"		1,500	160,2190	160,0410		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
RN50	E	1,360				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	15224	MF	140°10'29"		92°40'44"		1,500	182,6410	182,4410		
Irradiado	15225	MF	139°58'14"		92°40'40"		1,500	184,5310	184,3290		
Irradiado	15226	MF	139°29'49"		92°44'23"		1,500	185,5330	185,3210		
Irradiado	15227	MF	142°28'18"		92°37'21"		1,500	183,5600	183,3670		
Irradiado	15228	MF	142°14'11"		92°37'04"		1,500	181,6220	181,4320		
Irradiado	15229	MF	142°11'01"		92°37'04"		1,500	180,0780	179,8900		
Irradiado	15230	EXA	141°13'09"		92°37'05"		1,500	187,9170	187,7210		
Irradiado	15231	CA	139°28'14"		92°37'26"		1,500	183,8740	183,6810		
Irradiado	15232	ED	139°24'48"		92°40'12"		1,500	178,5100	178,3160		
Irradiado	15233	CA	139°13'25"		92°40'06"		1,500	170,3280	170,1440		
Irradiado	15234	CA	139°07'53"		92°33'23"		2,000	162,8960	162,7340		
Irradiado	15235	CA	139°03'33"		92°33'28"		2,000	156,0080	155,8530		
Irradiado	15236	CA	138°59'02"		92°31'25"		2,000	150,6960	150,5500		
Irradiado	15237	CA	138°49'39"		92°25'37"		2,000	143,5640	143,4350		
Irradiado	15238	MUV	138°47'15"		92°28'41"		2,000	142,6220	142,4890		
Irradiado	15239	MED	138°42'51"		92°22'02"		2,000	138,8570	138,7380		
Irradiado	15240	MED	138°32'13"		92°21'59"		2,000	131,9790	131,8660		
Irradiado	15241	MED	138°26'07"		92°19'31"		2,000	126,6190	126,5150		
Irradiado	15242	CED	138°08'17"		92°16'15"		2,000	119,6490	119,5550		
Irradiado	15243	CERD	138°00'42"		92°13'43"		2,000	118,1140	118,0240		
Irradiado	15244	CERD	137°23'33"		92°11'30"		2,000	106,5310	106,4530		
Irradiado	15245	CED	136°39'08"		90°52'19"		4,000	105,0620	105,0500		
Irradiado	15246	CED	136°06'01"		90°33'06"		4,000	95,9120	95,9080		
Irradiado	15247	CED	136°02'51"		90°32'28"		4,000	94,3850	94,3810		
Irradiado	15248	CA	137°09'33"		90°48'25"		4,000	94,1660	94,1570		
Irradiado	15249	ED	136°44'44"		90°24'14"		4,000	87,8910	87,8890		
Irradiado	15250	CA	137°18'43"		92°15'29"		1,500	87,9050	87,8370		
Irradiado	15251	CA	137°08'29"		92°12'40"		1,500	84,5450	84,4820		
Irradiado	15252	CA	136°31'29"		92°05'15"		1,500	84,5370	84,4810		
Irradiado	15253	CA	136°15'54"		92°11'33"		1,500	81,8270	81,7670		
Irradiado	15254	CA	134°18'24"		92°14'12"		1,500	77,7590	77,7000		
Irradiado	15255	CA	133°27'10"		92°20'36"		1,500	70,3090	70,2500		
Irradiado	15256	CA	132°20'19"		92°26'41"		1,500	61,3400	61,2840		
Irradiado	15257	CA	131°08'49"		92°40'20"		1,500	54,3790	54,3200		
Irradiado	15258	CERV	127°40'22"		92°45'25"		1,500	34,6240	34,5830		
Irradiado	15259	MCER	119°12'55"		92°42'29"		1,500	19,6090	19,5870		
Irradiado	15260	CA	107°35'31"		89°44'30"		1,500	19,8840	19,8840		
Irradiado	15261	MED	79°55'18"		88°22'15"		1,500	12,8110	12,8060		
Irradiado	15262	MU	90°25'31"		92°22'47"		1,500	9,6130	9,6050		
Irradiado	15263	CA	71°05'17"		92°29'13"		1,500	10,3090	10,2990		
Irradiado	15264	MED	292°52'00"		86°33'53"		1,500	5,6990	5,6890		
Irradiado	15265	MED	213°15'44"		86°48'08"		1,500	2,9080	2,9040		
Irradiado	15266	MUD	178°56'20"		91°02'35"		1,500	4,4700	4,4690		
Irradiado	15267	MU	163°27'01"		91°18'21"		1,500	3,9240	3,9230		
Irradiado	15268	CA	163°40'33"		86°54'23"		2,500	13,6320	13,6120		
Irradiado	15269	CA	183°51'21"		82°37'07"		2,500	7,6990	7,6350		
Irradiado	15270	MUD	145°50'15"		92°08'30"		2,500	19,1350	19,1220		
Irradiado	15271	CA	154°39'58"		88°20'58"		3,000	23,1800	23,1710		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
RN50	E	1,360				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	15272	MED	151°43'31"		89°03'35"		3,000	33,4710	33,4660		
Irradiado	15273	MUD	144°03'20"		92°05'17"		1,500	34,0040	33,9810		
Irradiado	15274	MUD	143°25'38"		92°06'49"		1,500	46,3660	46,3340		
Irradiado	15275	MUD	142°54'51"		92°12'39"		1,500	71,5300	71,4770		
Irradiado	15276	MUD	142°50'49"		92°16'01"		1,500	84,6780	84,6120		
Irradiado	15277	CA	144°37'57"		90°35'25"		4,000	86,9520	86,9480		
Irradiado	15278	CA	144°20'40"		90°34'24"		4,000	94,7390	94,7350		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
D34	E	1,519				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL9		0°00'00"	179°59'57"	86°08'07"	273°51'59"	1,500	81,0680	80,8840		
Irradiado	15279	CA	77°28'49"		87°15'13"		1,500	91,4340	91,3290		
Irradiado	15280	CA	77°27'07"		87°15'12"		1,500	84,8310	84,7340		
Irradiado	15281	MUV	78°39'17"		87°05'57"		1,500	93,3760	93,2570		
Irradiado	15282	CA	86°10'40"		85°28'58"		4,000	82,7840	82,5270		
Irradiado	15283	CA	86°32'51"		85°18'16"		4,000	76,7470	76,4900		
Irradiado	15284	CA	77°50'19"		87°12'27"		1,500	80,3470	80,2520		
Irradiado	15285	MED	77°40'50"		87°14'48"		1,500	73,4610	73,3760		
Irradiado	15286	MCER	77°31'00"		87°11'27"		1,500	69,2220	69,1390		
Irradiado	15287	CED	77°22'24"		87°07'56"		1,500	64,7290	64,6480		
Irradiado	15288	CA	77°05'42"		87°07'53"		1,500	58,2530	58,1800		
Irradiado	15289	MUV	77°01'03"		87°03'47"		1,500	57,1470	57,0720		
Irradiado	15290	MED	76°44'13"		86°52'28"		1,500	52,7430	52,6640		
Irradiado	15291	CA	76°06'55"		86°28'25"		1,500	45,3180	45,2320		
Irradiado	15292	MUV	76°31'58"		86°59'19"		1,500	44,6790	44,6170		
Irradiado	15293	MED	75°26'11"		86°51'33"		1,500	32,9380	32,8880		
Irradiado	15294	CA	72°37'56"		85°25'41"		1,500	22,1660	22,0960		
Irradiado	15295	CA	66°19'32"		87°08'36"		1,500	21,1230	21,0970		
Irradiado	15296	CA	60°36'42"		85°58'00"		1,500	14,6150	14,5790		
Irradiado	15297	SO	119°03'47"		88°08'43"		1,500	11,4980	11,4920		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
D34	E	1,557				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL9		0°00'01"	179°59'53"	86°09'25"	273°50'22"	1,500	81,0940	80,9110		
Irradiado	15265	MF	179°00'17"		93°08'42"		1,500	8,7710	8,7580		
Irradiado	15266	MF	189°46'46"		93°34'44"		1,500	6,7420	6,7290		
Irradiado	15267	MF	212°04'30"		93°57'56"		1,500	6,5670	6,5520		
Irradiado	15268	MF	351°10'20"		90°54'46"		1,500	3,8820	3,8820		
Irradiado	15269	MF	320°56'45"		93°09'51"		1,500	2,5480	2,5440		
Irradiado	15270	MF	278°24'43"		93°48'44"		1,500	5,0460	5,0350		
Irradiado	15271	MF	250°51'04"		93°28'47"		1,500	29,1940	29,1400		
Irradiado	15272	MF	263°00'50"		93°18'40"		1,500	28,3220	28,2750		
Irradiado	15273	EXA	257°07'31"		93°17'52"		1,500	28,5080	28,4610		
Irradiado	15274	EXA	258°02'14"		93°20'17"		1,500	50,1940	50,1080		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
D34	E	1,557				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	15275	MF	255°02'16"		93°21'55"		1,500	51,0360	50,9480		
Irradiado	15276	MF	261°43'59"		93°25'28"		1,500	50,7480	50,6570		
Irradiado	15277	MF	256°39'19"		93°34'51"		1,500	75,1430	74,9970		
Irradiado	15278	MF	261°10'36"		93°25'38"		1,500	74,5720	74,4390		
Irradiado	15279	EXA	258°53'05"		93°25'50"		1,500	73,8540	73,7220		
Irradiado	15280	EXA	259°28'13"		93°41'58"		1,500	105,8970	105,6770		
Irradiado	15281	MF	257°33'14"		93°54'08"		1,500	100,6620	100,4290		
Irradiado	15282	MF	261°04'59"		93°43'49"		1,500	100,3750	100,1620		
Irradiado	15283	MF	257°24'25"		93°54'07"		1,500	101,5330	101,2980		
Irradiado	15284	MF	261°28'45"		93°42'59"		1,500	102,4180	102,2030		
Irradiado	15285	MF	262°13'19"		93°42'55"		1,500	103,2790	103,0620		
Irradiado	15286	PC	255°55'47"		93°32'03"		1,500	74,8940	74,7520		
Irradiado	15287	PC	252°17'35"		93°27'06"		1,500	40,2230	40,1500		
Irradiado	15288	PC	207°49'47"		93°18'10"		1,500	7,3000	7,2880		
Irradiado	15289	MF	177°24'32"		93°47'14"		1,500	21,4180	21,3710		
Irradiado	15290	MF	161°19'46"		93°38'21"		1,500	23,4780	23,4300		
Irradiado	15291	EXA	168°54'43"		93°39'47"		1,500	22,2360	22,1900		
Irradiado	15292	EXA	172°53'29"		94°47'26"		1,500	50,0270	49,8520		
Irradiado	15293	MF	176°36'43"		95°02'52"		1,500	49,8550	49,6610		
Irradiado	15294	MF	169°18'41"		94°46'09"		1,500	50,8700	50,6940		
Irradiado	15295	MF	176°26'45"		94°39'15"		1,500	77,5930	77,3380		
Irradiado	15296	MF	171°41'00"		94°38'25"		1,500	78,5170	78,2600		
Irradiado	15297	EXA	173°48'19"		94°35'13"		1,500	77,6060	77,3580		
Irradiado	15298	EXA	174°30'44"		94°23'23"		1,500	103,3700	103,0670		
Irradiado	15299	MF	176°23'59"		94°54'24"		1,000	97,6770	97,3190		
Irradiado	15300	MF	172°30'26"		94°32'27"		1,000	97,1730	96,8680		
Irradiado	15301	MF	176°35'19"		94°55'28"		1,000	98,5320	98,1680		
Irradiado	15302	MF	171°50'01"		94°28'27"		1,500	99,7660	99,4620		
Irradiado	15303	TP	171°43'26"		94°26'39"		1,500	98,3940	98,0980		
Irradiado	15304	PC	172°06'41"		94°26'42"		1,500	94,3400	94,0560		
Irradiado	15305	PC	169°12'23"		94°31'16"		1,500	54,6680	54,4980		
Irradiado	15306	PC	151°06'21"		91°46'54"		1,500	15,9180	15,9100		
Auxiliar	F5	A	258°28'09"	78°28'03"	93°43'05"	266°16'56"	1,500	106,7670	106,5430		
Irradiado	15307	CA	309°03'41"		89°45'57"		1,500	4,3900	4,3900		
Irradiado	15308	MED	274°51'30"		91°27'51"		1,500	13,9270	13,9230		
Irradiado	15309	MUD	273°40'08"		92°09'49"		1,500	14,8510	14,8400		
Irradiado	15310	MU	268°58'55"		93°06'12"		1,500	23,3670	23,3320		
Irradiado	15311	MED	274°48'29"		91°05'19"		2,500	24,4570	24,4520		
Irradiado	15312	CA	271°57'46"		91°36'48"		1,900	31,8300	31,8170		
Irradiado	15313	CA	266°11'07"		92°40'42"		1,500	34,6380	34,6000		
Irradiado	15314	CA	264°58'41"		92°58'16"		1,500	42,3870	42,3300		
Irradiado	15315	MU	264°42'55"		93°00'44"		1,500	44,4400	44,3790		
Irradiado	15316	MED	264°26'29"		92°52'46"		1,500	47,2950	47,2350		
Irradiado	15317	MED	263°53'38"		92°45'22"		1,500	54,1860	54,1230		
Irradiado	15318	MUD	263°39'01"		93°04'51"		1,500	57,5590	57,4760		
Irradiado	15319	MED	263°22'15"		92°53'07"		1,500	59,9890	59,9130		
Irradiado	15320	MED	263°01'52"		93°03'35"		1,500	68,4980	68,4010		
Irradiado	15321	MUD	262°59'51"		93°04'21"		1,500	69,7610	69,6610		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
D34	E	1,557				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	15322	MCER	262°37'14"		93°04'07"		2,000	86,1940	86,0700		
Irradiado	15323	CERD	255°24'02"		93°29'23"		1,500	70,2250	70,0950		
Irradiado	15324	CERV	254°23'35"		93°18'03"		1,500	61,0370	60,9360		
Irradiado	15325	CA	253°17'16"		93°15'16"		1,500	57,7380	57,6450		
Irradiado	15326	CA	252°17'36"		92°32'02"		2,500	50,8860	50,8360		
Irradiado	15327	MUV	252°47'57"		93°35'49"		2,500	48,9910	48,8940		
Irradiado	15328	CA	249°17'11"		92°50'48"		1,500	47,5460	47,4870		
Irradiado	15329	CA	247°30'51"		92°08'44"		1,500	39,6840	39,6560		
Irradiado	15330	MUV	249°44'15"		93°48'48"		1,500	37,4510	37,3680		
Irradiado	15331	CA	249°08'09"		93°03'23"		1,500	35,8880	35,8370		
Irradiado	15332	MED	246°24'59"		93°07'57"		1,500	28,6490	28,6060		
Irradiado	15333	MED	237°39'55"		92°41'01"		1,500	17,8280	17,8080		
Irradiado	15334	CA	197°07'45"		92°44'08"		1,500	8,1130	8,1040		
Irradiado	15335	MED	183°26'39"		93°07'41"		1,500	18,6340	18,6060		
Irradiado	15336	MU	178°28'43"		94°56'35"		1,500	44,5680	44,4030		
Irradiado	15337	MUD	179°17'54"		94°06'33"		2,000	44,7340	44,6190		
Irradiado	15338	MED	179°04'53"		94°28'33"		2,000	47,5690	47,4230		
Irradiado	15339	CA	178°44'50"		94°28'28"		2,000	54,3630	54,1970		
Irradiado	15340	MU	177°28'30"		94°46'47"		1,500	53,9800	53,7920		
Irradiado	15341	MUD	177°24'17"		94°41'07"		1,500	62,1280	61,9200		
Irradiado	15342	MU	177°25'02"		94°59'22"		1,500	86,5000	86,1720		
Irradiado	15343	MU	171°30'53"		94°26'38"		1,500	97,2180	96,9260		
Irradiado	15344	MU	171°23'04"		94°26'41"		1,500	94,3960	94,1120		
Irradiado	15345	MED	170°57'49"		94°02'59"		1,500	94,2810	94,0460		
Irradiado	15346	CED	170°21'07"		94°26'16"		1,500	85,3780	85,1220		
Irradiado	15347	CER	166°19'43"		94°20'23"		1,500	53,6540	53,5000		
Irradiado	15348	CERD	162°12'30"		91°55'40"		3,000	54,7640	54,7330		
Irradiado	15349	CED	159°06'23"		91°36'32"		3,000	46,2870	46,2690		
Irradiado	15350	CA	157°25'05"		91°38'51"		2,500	39,0970	39,0810		
Irradiado	15351	CERV	163°06'19"		94°04'15"		1,500	37,2890	37,1950		
Irradiado	15352	CED	152°34'16"		88°53'27"		2,500	22,3330	22,3290		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL8	E	1,560				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL9		359°59'59"	179°59'42"	85°52'24"	274°07'41"	1,500	184,1280	183,6500		
Irradiado	15353	MF	130°00'00"		92°52'59"		1,500	6,2110	6,2030		
Irradiado	15354	MF	152°08'16"		94°32'53"		1,500	5,5760	5,5590		
Irradiado	15355	MF	165°57'01"		94°35'02"		1,500	7,1600	7,1370		
Irradiado	15356	MF	246°16'21"		93°00'17"		1,500	10,3000	10,2860		
Irradiado	15357	MF	228°19'23"		93°50'11"		1,500	7,8470	7,8300		
Irradiado	15358	MF	212°58'00"		93°56'24"		1,500	8,7250	8,7050		
Irradiado	15359	EXA	279°01'00"		93°16'29"		1,500	0,9970	0,9950		
Irradiado	15360	EXA	184°19'11"		92°04'36"		1,500	23,8810	23,8650		
Irradiado	15361	MF	175°53'13"		92°11'53"		1,500	23,9450	23,9270		
Irradiado	15362	MF	190°49'30"		92°24'15"		1,500	24,4680	24,4460		
Irradiado	15363	EXA	181°22'18"		89°35'14"		1,500	58,3940	58,3920		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL8	E	1,560				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	15364	MF	178°07'48"		89°42'14"		1,500	58,1900	58,1890		
Irradiado	15365	MF	184°27'59"		89°17'20"		2,000	57,8620	57,8570		
Irradiado	15366	PC	175°51'38"		91°11'36"		1,500	31,5540	31,5470		
Irradiado	15367	MF	283°23'00"		91°38'29"		1,500	9,7530	9,7490		
Irradiado	15368	MF	272°22'35"		91°32'44"		1,500	33,8180	33,8060		
Irradiado	15369	MF	261°43'29"		91°44'12"		1,500	34,1130	34,0970		
Irradiado	15370	EXA	267°09'49"		91°31'15"		1,500	33,4110	33,3990		
Irradiado	15371	EXA	267°42'53"		91°37'34"		1,500	64,1690	64,1430		
Irradiado	15372	MF	264°53'28"		91°41'50"		1,500	64,0720	64,0440		
Irradiado	15373	MF	270°26'10"		91°39'42"		1,500	63,7000	63,6730		
Irradiado	15374	EXA	267°31'32"		91°45'27"		1,500	87,5070	87,4660		
Irradiado	15375	MF	269°50'39"		91°46'58"		1,500	87,2890	87,2460		
Irradiado	15376	MF	265°44'57"		91°49'08"		1,500	87,4680	87,4240		
Irradiado	15377	MF	265°24'23"		91°54'16"		1,500	90,7070	90,6570		
Irradiado	15378	MF	263°31'43"		92°03'06"		1,500	91,9940	91,9350		
Irradiado	15379	MF	270°10'04"		91°33'11"		2,000	93,8770	93,8420		
Irradiado	15380	EXA	267°27'31"		91°50'18"		1,500	97,5140	97,4640		
Irradiado	15381	PC	270°20'41"		91°36'26"		1,500	85,4590	85,4250		
Irradiado	15382	PC	273°07'17"		90°52'28"		2,000	45,5200	45,5150		
Irradiado	15383	PC	295°42'31"		88°05'21"		2,000	9,6620	9,6570		
Irradiado	15384	MED	334°48'19"		88°55'51"		1,000	18,5300	18,5260		
Irradiado	15385	CA	301°16'41"		85°20'56"		1,500	9,8090	9,7770		
Irradiado	15386	MF	82°23'12"		89°27'22"		1,500	24,3280	24,3270		
Irradiado	15387	MF	98°00'47"		89°47'21"		1,500	25,5040	25,5040		
Irradiado	15388	EXA	90°06'09"		89°27'44"		1,500	25,4600	25,4590		
Irradiado	15389	EXA	90°35'52"		89°28'18"		1,500	47,8680	47,8660		
Irradiado	15390	MF	85°57'56"		89°19'37"		1,500	48,5130	48,5090		
Irradiado	15391	MF	94°03'51"		89°33'36"		1,500	48,1010	48,0990		
Irradiado	15392	MF	92°18'56"		89°08'09"		1,500	83,1850	83,1750		
Irradiado	15393	MF	87°29'20"		89°06'31"		1,500	82,9490	82,9390		
Irradiado	15394	EXA	90°18'08"		89°04'23"		1,500	83,0580	83,0470		
Irradiado	15395	CA	49°34'44"		81°01'43"		3,000	13,6820	13,5150		
Irradiado	15396	MUD	67°28'17"		88°26'49"		1,500	15,9360	15,9300		
Irradiado	15397	MED	69°49'04"		85°55'02"		1,500	18,0080	17,9620		
Irradiado	15398	MED	76°05'50"		86°53'21"		1,500	24,6650	24,6290		
Irradiado	15399	MED	77°16'11"		87°43'46"		1,500	26,4760	26,4550		
Irradiado	15400	MED	81°05'41"		88°41'50"		1,500	35,9280	35,9190		
Irradiado	15401	MED	82°03'36"		88°29'32"		1,500	39,0600	39,0470		
Irradiado	15402	MED	83°17'26"		88°40'39"		1,500	45,8620	45,8500		
Irradiado	15403	MUV	83°54'28"		88°53'14"		1,500	48,8610	48,8510		
Irradiado	15404	CA	84°14'50"		89°36'21"		1,000	53,2690	53,2670		
Irradiado	15405	CA	85°15'47"		89°43'36"		1,000	60,3690	60,3680		
Irradiado	15406	CERV	85°15'22"		89°43'39"		1,000	61,3750	61,3740		
Irradiado	15407	CERD	86°38'01"		89°19'42"		1,000	83,7230	83,7170		
Irradiado	15408	CED	86°47'23"		89°23'28"		1,000	90,9150	90,9100		
Irradiado	15409	CA	87°12'44"		89°18'56"		1,000	91,2080	91,2010		
Irradiado	15410	CA	87°24'40"		89°19'47"		1,000	97,5540	97,5470		
Irradiado	15411	CA	130°54'29"		90°39'07"		1,500	10,9500	10,9500		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL8	E	1,560				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	15412	MED	116°24'55"		89°48'43"		1,500	16,5950	16,5940		
Irradiado	15413	MUV	113°18'17"		89°34'02"		1,500	18,9220	18,9210		
Irradiado	15414	CA	118°06'37"		82°22'22"		4,000	21,1500	20,9630		
Irradiado	15415	MED	112°28'21"		89°33'10"		1,500	27,0770	27,0760		
Irradiado	15416	MU	107°22'12"		89°36'05"		1,500	26,3300	26,3290		
Irradiado	15417	CA	111°36'53"		87°18'43"		2,500	28,9750	28,9430		
Irradiado	15418	ED	109°34'07"		87°34'21"		2,500	32,6390	32,6100		
Irradiado	15419	CA	104°17'08"		89°24'22"		1,500	31,8890	31,8870		
Irradiado	15420	MED	102°49'01"		89°31'09"		1,500	35,9380	35,9370		
Irradiado	15421	MED	101°34'38"		89°18'45"		1,500	39,7150	39,7120		
Irradiado	15422	MED	99°26'51"		89°21'47"		1,500	49,2730	49,2700		
Irradiado	15423	MED	98°47'57"		89°13'43"		1,500	53,8370	53,8320		
Irradiado	15424	MED	97°54'00"		89°11'28"		1,500	60,8230	60,8170		
Irradiado	15425	MU	97°40'53"		89°58'49"		1,000	63,7310	63,7310		
Irradiado	15426	PC	86°56'58"		89°02'38"		1,500	75,8550	75,8450		
Irradiado	15427	PC	83°40'20"		89°20'13"		1,500	35,2550	35,2530		
Irradiado	15428	SO	103°44'01"		89°14'14"		1,500	33,7080	33,7050		
Irradiado	15429	ED	158°19'58"		90°56'40"		1,500	21,5900	21,5870		
Irradiado	15430	CA	171°33'27"		91°41'41"		1,500	20,3380	20,3290		
Irradiado	15431	CED	173°27'46"		92°01'18"		1,500	26,0220	26,0060		
Irradiado	15432	CERV	176°18'26"		90°15'21"		1,500	48,0030	48,0020		
Auxiliar	F6	A	177°50'39"	357°50'41"	89°54'02"	270°05'47"	1,500	53,2800	53,2800		
Irradiado	15434	CERV	186°31'27"		88°56'30"		1,500	68,7650	68,7530		
Irradiado	15435	CERD	188°32'03"		90°58'00"		1,500	50,7190	50,7110		
Irradiado	15436	CED	189°41'51"		91°49'37"		0,500	46,6530	46,6300		
Irradiado	15437	CA	191°23'42"		92°33'16"		0,500	40,3770	40,3370		
Irradiado	15438	CA	205°11'13"		92°20'13"		1,500	24,6060	24,5850		
Auxiliar	F7	A	266°45'51"	86°45'41"	91°50'34"	268°09'27"	1,500	98,6010	98,5500		
Irradiado	15439	CA	237°16'45"		92°59'34"		1,500	20,8980	20,8690		
Irradiado	15440	MCER	240°38'43"		92°52'14"		1,500	22,7070	22,6780		
Irradiado	15441	MU	247°46'40"		92°39'51"		1,500	21,4890	21,4660		
Irradiado	15442	MED	250°37'58"		91°57'06"		1,500	24,5190	24,5050		
Irradiado	15443	MED	254°44'35"		91°47'24"		1,500	30,8530	30,8380		
Irradiado	15444	MED	255°44'28"		92°03'05"		1,500	33,0100	32,9890		
Irradiado	15445	ED	257°23'33"		91°55'45"		1,500	37,9510	37,9300		
Irradiado	15446	MED	259°02'02"		92°24'36"		1,000	44,6480	44,6090		
Irradiado	15447	MED	259°20'23"		92°31'16"		1,000	47,0080	46,9620		
Irradiado	15448	MUD	277°18'36"		90°48'24"		1,500	32,4780	32,4750		
Irradiado	15449	MED	277°50'54"		91°11'52"		1,500	30,8110	30,8040		
Irradiado	15450	CA	280°21'38"		88°05'26"		2,700	24,9820	24,9680		
Irradiado	15451	MED	282°53'05"		87°26'15"		2,700	25,0670	25,0420		
Irradiado	15452	MED	282°50'05"		87°37'30"		2,200	23,9420	23,9210		
Irradiado	15453	CA	285°14'59"		87°47'50"		2,000	18,4520	18,4380		
Irradiado	15454	MED	286°42'00"		88°39'19"		2,000	18,4830	18,4780		
Irradiado	15455	MED	287°41'54"		87°38'36"		1,500	17,2030	17,1880		
Irradiado	15456	PC	295°38'11"		88°05'35"		1,500	9,6460	9,6410		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J14	E	1,543				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL53		359°59'59"	179°59'58"	88°39'47"	271°20'24"	1,500	107,1760	107,1470		
Irradiado	15457	CA	275°41'03"		86°23'31"		1,500	7,4300	7,4160		
Irradiado	15458	CED	324°02'43"		87°11'55"		1,500	12,4210	12,4070		
Irradiado	15459	CERV	330°06'11"		88°19'00"		1,500	13,9470	13,9410		
Irradiado	15460	CA	331°34'44"		87°40'25"		1,500	15,1740	15,1610		
Irradiado	15461	CED	340°09'50"		87°28'50"		1,500	21,1830	21,1620		
Irradiado	15462	CED	343°50'32"		87°34'48"		1,500	26,1050	26,0820		
Irradiado	15463	CED	347°16'19"		88°01'48"		1,500	32,6660	32,6470		
Irradiado	15464	CERV	348°55'23"		88°26'33"		1,500	36,6140	36,6010		
Irradiado	15465	CA	346°49'43"		84°46'51"		4,000	38,3320	38,1730		
Irradiado	15466	ED	348°34'22"		87°51'11"		2,500	44,3460	44,3150		
Irradiado	15467	MED	349°58'28"		88°01'37"		2,500	48,8730	48,8440		
Irradiado	15468	CA	21°10'55"		89°13'05"		1,500	18,9670	18,9650		
Irradiado	15469	CA	47°57'50"		90°40'01"		1,500	9,7820	9,7820		
Irradiado	15470	CA	91°06'12"		93°22'04"		1,500	6,6380	6,6270		
Irradiado	15471	CA	133°53'47"		93°16'49"		1,500	9,4240	9,4090		
Irradiado	15472	CERV	138°52'33"		93°03'15"		1,500	11,6330	11,6170		
Irradiado	15473	MCER	144°49'40"		92°10'38"		1,500	13,0260	13,0170		
Irradiado	15474	MED	150°33'02"		91°43'36"		1,500	14,9710	14,9640		
Irradiado	15475	MED	159°44'45"		92°32'02"		1,500	21,1860	21,1650		
Irradiado	15476	MUD	161°06'15"		92°13'16"		1,500	22,8820	22,8650		
Irradiado	15477	MED	162°17'04"		92°02'13"		1,500	24,1990	24,1830		
Irradiado	15478	CA	163°03'08"		92°11'51"		1,500	24,1750	24,1570		
Irradiado	15479	CA	167°58'42"		91°38'57"		1,500	32,2290	32,2160		
Irradiado	15480	MED	165°28'20"		87°03'56"		4,000	33,0670	33,0240		
Irradiado	15481	SO	154°08'59"		92°26'06"		1,500	17,0200	17,0040		
Irradiado	15482	PC	342°27'53"		88°45'51"		1,500	16,7080	16,7040		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
F6	E	1,391				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL8		0°00'00"	180°00'00"	90°03'00"	269°56'45"	1,500	53,2800	53,2800		
Irradiado	15483	CA	75°27'19"		87°05'16"		1,500	9,7840	9,7720		
Irradiado	15484	CA	121°03'47"		84°50'13"		1,500	9,7140	9,6750		
Irradiado	15485	CA	130°04'44"		86°43'50"		1,500	8,3470	8,3340		
Irradiado	15486	CA	150°14'27"		87°47'35"		1,500	12,2050	12,1960		
Irradiado	15487	CA	150°03'47"		87°32'51"		1,500	14,3390	14,3260		
Irradiado	15488	CED	162°39'25"		86°33'43"		1,500	20,4820	20,4450		
Irradiado	15489	CERD	168°33'21"		84°04'24"		1,500	26,3930	26,2520		
Irradiado	15490	MU	200°09'26"		79°23'24"		1,500	33,7690	33,1920		
Irradiado	15491	MUV	212°20'23"		84°38'31"		1,500	22,5230	22,4240		
Irradiado	15492	COTA	213°08'51"		84°18'20"		1,500	22,7240	22,6120		
Irradiado	15493	COTA	199°24'49"		74°54'11"		1,500	38,2540	36,9340		
Irradiado	15494	COTA	241°43'34"		86°29'27"		1,500	49,5460	49,4530		
Irradiado	15495	COTA	226°01'12"		79°36'59"		1,500	57,1900	56,2530		
Irradiado	15496	SO	322°44'41"		92°55'03"		1,500	15,7120	15,6910		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
F7	E	1,573				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL8		359°59'58"	179°59'56"	88°14'17"	271°45'55"	1,500	98,6150	98,5680		
Irradiado	15497	CA	33°01'02"		89°01'57"		1,500	11,0550	11,0540		
Irradiado	15498	MED	13°01'22"		88°17'51"		1,500	22,0540	22,0440		
Irradiado	15499	MED	7°38'07"		88°44'13"		1,000	41,3620	41,3520		
Irradiado	15500	ED	7°33'00"		88°04'46"		1,500	45,9220	45,8970		
Irradiado	15501	MUD	351°53'13"		86°45'52"		2,500	43,7750	43,7060		
Irradiado	15502	MU	352°45'44"		87°40'44"		1,500	43,6220	43,5870		
Irradiado	15503	MU	338°30'25"		86°55'27"		1,500	15,1690	15,1470		
Irradiado	15504	MED	327°42'01"		86°15'23"		1,500	16,5080	16,4720		
Irradiado	15505	CA	313°59'19"		85°17'49"		1,500	11,2830	11,2450		
Irradiado	15506	SO	95°25'00"		90°16'40"		1,500	27,5100	27,5100		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J10	E	1,560				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL7		0°00'00"	179°59'54"	95°18'55"	264°41'04"	1,500	25,7440	25,6330		
Irradiado	15507	BAT	183°48'35"		89°42'33"		1,500	1,9080	1,9080		
Irradiado	15508	BAT	357°17'50"		94°03'42"		1,500	7,1720	7,1540		
Irradiado	15509	EXA	42°13'49"		92°41'04"		1,500	3,0140	3,0110		
Irradiado	15510	BAT	274°45'15"		92°34'10"		1,500	23,3620	23,3380		
Irradiado	15511	BAT	301°03'45"		92°26'21"		1,500	25,4670	25,4440		
Irradiado	15512	EXT	290°41'42"		92°48'07"		1,500	23,9600	23,9310		
Irradiado	15513	EXT	281°46'05"		94°57'18"		1,500	43,7610	43,5980		
Irradiado	15514	BAT	277°05'54"		94°58'22"		1,500	43,4840	43,3210		
Irradiado	15515	BAT	287°52'16"		94°45'39"		1,500	45,2310	45,0750		
Irradiado	15516	BAT	277°21'01"		95°22'33"		1,500	75,7870	75,4540		
Irradiado	15517	BAT	281°43'40"		95°19'11"		1,500	77,0930	76,7610		
Irradiado	15518	EXP	278°44'42"		95°13'01"		1,500	80,5930	80,2590		
Irradiado	15519	PC	291°00'03"		93°57'14"		1,500	40,7610	40,6640		
Irradiado	15520	IGREJ	300°16'11"		92°12'30"		1,500	31,7560	31,7320		
Irradiado	15521	MUV	300°07'52"		92°47'40"		1,500	41,5160	41,4670		
Irradiado	15522	MU	286°20'13"		95°17'33"		1,500	76,8810	76,5540		
Irradiado	15523	MU	276°39'42"		95°17'44"		1,500	72,1770	71,8690		
Irradiado	15524	MU	272°59'56"		92°31'20"		1,500	24,5960	24,5720		
Irradiado	15525	CA	272°48'48"		92°29'12"		1,500	24,0230	24,0000		
Irradiado	15526	CA	272°09'46"		92°35'26"		1,500	22,0490	22,0260		
Irradiado	15527	CA	259°58'46"		92°28'26"		1,500	23,3050	23,2830		
Irradiado	15528	MUD	245°06'48"		92°44'29"		1,500	31,1320	31,0960		
Irradiado	15529	MUD	185°22'34"		88°29'02"		1,500	18,3930	18,3860		
Irradiado	15530	MF	87°46'42"		91°51'47"		1,500	5,8110	5,8080		
Irradiado	15531	MF	183°06'03"		88°35'31"		1,500	18,3420	18,3360		
Irradiado	15532	MF	158°09'15"		87°48'54"		1,500	20,4340	20,4190		
Irradiado	15533	MF	179°12'55"		88°14'29"		1,500	19,3290	19,3200		
Irradiado	15534	MF	177°52'27"		87°59'15"		1,500	21,6150	21,6010		
Irradiado	15535	MF	166°49'01"		88°52'44"		1,500	42,0510	42,0430		
Irradiado	15536	EXA	172°36'05"		88°55'30"		1,500	42,4070	42,4000		
Irradiado	15537	MF	176°20'52"		89°05'19"		1,500	43,0690	43,0640		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J10	E	1,560				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	15538	EXA	168°14'06"		87°43'01"		1,500	21,5470	21,5300		
Irradiado	15539	MF	176°07'40"		89°43'36"		1,500	56,9890	56,9880		
Irradiado	15540	MF	176°53'45"		89°56'41"		1,500	59,1560	59,1560		
Irradiado	15541	MF	169°25'11"		89°32'17"		1,500	60,4970	60,4950		
Irradiado	15542	MF	178°26'54"		90°11'57"		1,500	60,4680	60,4680		
Irradiado	15543	EXA	172°08'32"		89°42'40"		1,500	65,3500	65,3490		
Irradiado	15544	EXA	172°03'06"		89°42'47"		1,500	65,3710	65,3700		
Irradiado	15545	EXA	172°42'24"		89°54'24"		1,500	73,7800	73,7800		
Irradiado	15546	MF	170°07'20"		89°42'28"		1,500	68,9030	68,9020		
Irradiado	15547	MF	175°46'35"		90°11'05"		1,500	79,1940	79,1940		
Irradiado	15548	MF	169°16'11"		89°33'11"		1,500	69,9330	69,9310		
Irradiado	15549	MF	168°22'39"		89°27'20"		1,500	70,2340	70,2310		
Irradiado	15550	MF	177°34'52"		90°17'42"		1,500	69,8260	69,8250		
Irradiado	15551	MF	178°29'12"		90°24'30"		1,500	68,5960	68,5940		
Irradiado	15552	MF	170°40'25"		89°55'23"		1,500	77,8780	77,8780		
Irradiado	15553	MF	169°55'06"		89°58'09"		1,500	77,0700	77,0700		
Irradiado	15554	MF	169°55'08"		89°55'12"		1,500	77,0480	77,0480		
Irradiado	15555	MF	168°22'57"		89°45'09"		1,500	77,2370	77,2370		
Irradiado	15556	CA	178°27'30"		89°53'06"		1,500	56,4130	56,4130		
Irradiado	15557	CA	178°30'14"		89°50'19"		1,500	54,3650	54,3650		
Irradiado	15558	MED	181°47'06"		86°39'57"		4,000	50,4380	50,3520		
Irradiado	15559	MED	181°37'20"		86°34'21"		4,000	49,1360	49,0480		
Irradiado	15560	CA	180°46'28"		89°38'45"		1,500	48,4770	48,4760		
Irradiado	15561	MED	180°59'33"		89°05'26"		1,500	43,6410	43,6360		
Irradiado	15562	MED	181°16'32"		88°37'37"		1,500	40,4260	40,4150		
Irradiado	15563	MED	182°05'10"		88°25'26"		1,500	33,4650	33,4520		
Irradiado	15564	MUD	182°12'35"		88°18'15"		1,500	31,2590	31,2450		
Irradiado	15565	MED	183°38'03"		88°29'07"		1,500	28,6510	28,6410		
Irradiado	15566	MED	184°43'53"		88°05'10"		1,500	21,3760	21,3640		
Irradiado	15567	CED	27°08'06"		93°08'17"		1,500	17,9130	17,8860		
Irradiado	15568	CA	65°05'36"		92°59'32"		1,500	8,8950	8,8830		
Irradiado	15569	MUV	70°30'40"		92°02'02"		1,500	8,4100	8,4050		
Irradiado	15570	MED	91°03'02"		90°40'14"		1,500	7,8670	7,8670		
Irradiado	15571	MED	124°16'48"		88°06'45"		1,500	10,1140	10,1090		
Irradiado	15572	MUD	133°11'53"		88°06'14"		1,500	11,8200	11,8140		
Irradiado	15573	MED	141°36'06"		86°49'00"		1,500	14,4750	14,4530		
Irradiado	15574	MED	151°25'53"		87°23'55"		1,500	19,7570	19,7360		
Irradiado	15575	MED	155°25'50"		87°23'59"		1,500	23,4590	23,4350		
Irradiado	15576	CA	159°08'13"		87°52'13"		1,500	28,7640	28,7440		
Irradiado	15577	MED	155°12'33"		81°50'17"		4,700	30,0790	29,7740		
Irradiado	15578	MUD	155°50'56"		82°18'44"		4,700	31,0970	30,8180		
Irradiado	15579	MUD	166°20'51"		89°04'45"		1,500	59,5770	59,5690		
Irradiado	15580	MED	166°43'25"		88°43'06"		1,500	61,7200	61,7050		
Irradiado	15581	CA	167°45'21"		88°53'13"		1,500	68,5800	68,5670		
Irradiado	15582	PC	163°34'36"		88°11'18"		1,500	34,4200	34,4030		
Irradiado	15583	TP	164°22'50"		88°16'27"		1,500	35,2790	35,2630		
Irradiado	15584	PC	40°44'50"		94°41'53"		1,500	9,0310	9,0010		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL4	E	1,550				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL5		0°00'01"	180°00'01"	87°54'18"	272°05'48"	1,500	90,9190	90,8580		
Irradiado	15554	MF	68°58'06"		89°40'36"		1,500	33,2680	33,2680		
Irradiado	15555	MF	81°07'33"		89°53'40"		1,500	34,7130	34,7130		
Irradiado	15556	EXA	75°42'18"		89°37'41"		1,500	32,8720	32,8710		
Irradiado	15557	EXA	76°57'39"		89°34'20"		1,500	59,5530	59,5510		
Irradiado	15558	MF	73°48'49"		89°30'29"		1,500	60,8540	60,8520		
Irradiado	15559	MF	80°15'30"		89°47'51"		1,500	58,8160	58,8150		
Irradiado	15560	MF	75°46'43"		89°32'23"		1,500	88,7020	88,6990		
Irradiado	15561	MF	80°13'51"		89°42'44"		1,500	87,8850	87,8840		
Irradiado	15562	EXA	77°52'25"		89°34'12"		1,500	88,3620	88,3590		
Irradiado	15563	PC	74°51'08"		88°39'02"		2,500	78,7200	78,6990		
Irradiado	15564	PC	70°46'26"		89°21'00"		1,500	43,9410	43,9390		
Irradiado	15565	PC	34°07'03"		89°41'40"		1,500	9,9600	9,9600		
Irradiado	15566	CA	40°37'54"		86°46'36"		1,500	12,8590	12,8390		
Irradiado	15567	CA	58°21'22"		89°09'46"		1,500	21,4860	21,4830		
Irradiado	15568	CA	61°10'47"		89°21'35"		1,500	24,6310	24,6290		
Irradiado	15569	MED	66°48'17"		89°13'32"		1,500	33,5480	33,5450		
Irradiado	15570	MED	67°41'50"		88°19'10"		1,500	36,5340	36,5180		
Irradiado	15571	CA	69°20'45"		89°13'28"		1,500	43,7250	43,7210		
Irradiado	15572	CA	68°41'54"		88°39'50"		1,500	50,4250	50,4110		
Irradiado	15573	CA	69°38'54"		89°01'00"		1,500	59,5890	59,5800		
Irradiado	15574	MUV	71°31'37"		89°19'45"		1,500	60,0000	59,9960		
Irradiado	15575	MED	71°53'42"		89°13'55"		1,500	62,5030	62,4970		
Irradiado	15576	MED	72°34'26"		88°56'50"		1,500	69,6170	69,6050		
Irradiado	15577	MCER	73°03'23"		89°22'27"		1,500	73,2510	73,2470		
Irradiado	15578	CED	73°25'26"		89°05'16"		1,500	77,4880	77,4790		
Irradiado	15579	CA	74°02'17"		89°09'37"		1,500	84,3980	84,3890		
Irradiado	15580	CA	74°05'05"		89°09'35"		1,500	86,8500	86,8400		
Irradiado	15581	CA	74°54'40"		89°38'12"		1,500	96,5200	96,5180		
Irradiado	15582	CA	81°17'36"		89°44'51"		1,500	96,4200	96,4190		
Irradiado	15583	ED	81°18'11"		89°39'21"		1,500	92,6630	92,6610		
Irradiado	15584	MED	81°32'16"		89°44'34"		1,500	82,5030	82,5020		
Irradiado	15585	MED	81°33'01"		89°47'46"		1,500	78,4650	78,4650		
Irradiado	15586	MED	81°49'14"		89°55'30"		1,500	70,0160	70,0160		
Irradiado	15587	MUV	81°53'16"		89°57'15"		1,500	68,7100	68,7100		
Irradiado	15588	CA	82°09'53"		89°56'45"		1,500	66,7570	66,7570		
Irradiado	15589	CA	82°45'57"		90°00'24"		1,500	59,4280	59,4280		
Irradiado	15590	CA	83°48'28"		89°45'45"		1,500	54,8720	54,8710		
Irradiado	15591	MED	84°20'09"		89°49'10"		1,500	47,9840	47,9830		
Irradiado	15592	MED	84°48'03"		89°48'54"		1,500	43,4200	43,4200		
Irradiado	15593	CA	85°50'01"		89°47'18"		1,500	36,0750	36,0750		
Irradiado	15594	MED	86°26'24"		89°44'32"		1,500	36,0660	36,0660		
Irradiado	15595	MU	86°45'09"		90°24'38"		1,500	34,8480	34,8470		
Irradiado	15596	MUD	87°56'15"		90°28'06"		1,500	34,8520	34,8510		
Irradiado	15597	MUD	94°20'11"		83°44'31"		4,000	20,5100	20,3870		
Irradiado	15598	MU	92°08'56"		91°30'14"		1,500	20,3810	20,3740		
Irradiado	15599	MED	92°36'10"		91°07'21"		1,500	18,6440	18,6400		
Irradiado	15600	CA	107°30'47"		94°20'25"		1,500	9,2320	9,2060		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL4	E	1,550				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	15601	CA	124°40'40"		95°53'08"		1,500	9,6880	9,6370		
Irradiado	15602	CA	165°26'06"		96°48'29"		1,500	6,3450	6,3010		
Irradiado	15603	MUV	168°03'06"		97°01'59"		1,500	4,6100	4,5750		
Irradiado	15604	EXT	196°38'16"		94°41'46"		1,500	19,9180	19,8510		
Irradiado	15605	MF	186°38'30"		94°43'55"		1,500	19,4640	19,3970		
Irradiado	15606	MF	203°51'13"		93°59'33"		1,500	20,8590	20,8080		
Irradiado	15607	MF	193°05'37"		93°37'40"		1,500	39,2090	39,1310		
Irradiado	15608	MF	183°43'34"		95°15'00"		0,500	38,5990	38,4370		
Irradiado	15609	EXT	189°10'25"		93°46'26"		0,500	38,5890	38,5060		
Irradiado	15610	EXT	186°31'43"		93°29'38"		1,500	57,8990	57,7910		
Irradiado	15611	MF	189°09'43"		93°18'29"		0,500	58,1700	58,0730		
Irradiado	15612	MF	183°29'04"		95°00'52"		0,100	58,6130	58,3890		
Irradiado	15613	MF	187°24'27"		93°46'42"		1,500	74,4590	74,2980		
Irradiado	15614	EXT	185°29'52"		93°58'05"		1,500	73,9390	73,7620		
Irradiado	15615	MF	183°02'29"		94°55'31"		0,500	72,8400	72,5710		
Irradiado	15616	ESCOLA	284°12'37"		85°34'02"		3,000	38,1300	38,0160		
Irradiado	15617	ESCOLA	301°05'43"		83°29'26"		3,000	20,6300	20,4970		
Irradiado	15618	CA	235°15'54"		90°50'41"		1,500	13,8420	13,8410		
Irradiado	15619	MED	225°15'02"		91°24'42"		1,500	13,8920	13,8880		
Irradiado	15620	MU	223°09'57"		92°02'08"		1,500	13,6450	13,6370		
Irradiado	15621	MCER	183°18'32"		94°56'48"		0,500	41,2530	41,1000		
Irradiado	15622	MU	187°52'18"		93°26'17"		1,500	74,1240	73,9910		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
D15.1	E	1,531				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	D15		359°59'59"	180°00'06"	89°50'49"	270°09'30"	1,500	105,2260	105,2260		
Irradiado	15660	MF	351°27'03"		89°33'47"		1,500	43,2540	43,2530		
Irradiado	15661	MF	347°18'33"		90°46'22"		1,500	24,9990	24,9970		
Irradiado	15662	MF	8°34'37"		92°11'33"		1,500	25,3090	25,2900		
Irradiado	15663	EXP	356°09'06"		91°10'21"		1,500	24,5200	24,5150		
Irradiado	15664	MF	93°54'22"		96°33'09"		1,500	6,1400	6,1000		
Irradiado	15665	MF	247°12'36"		87°00'24"		1,500	5,8410	5,8330		
Irradiado	15666	MF	229°02'02"		86°52'29"		1,500	5,2130	5,2050		
Irradiado	15667	MF	208°00'38"		88°48'40"		1,500	7,0730	7,0720		
Irradiado	15668	MF	295°21'29"		87°04'20"		1,500	9,8350	9,8230		
Irradiado	15669	MF	311°41'22"		88°56'26"		1,500	7,6530	7,6520		
Irradiado	15670	MF	327°44'04"		91°28'57"		1,500	8,2180	8,2160		
Irradiado	15671	MF	184°09'08"		91°00'50"		1,500	23,9680	23,9640		
Irradiado	15672	MF	160°28'02"		92°50'01"		1,500	24,7550	24,7250		
Irradiado	15673	EXP	172°20'41"		91°13'18"		1,500	23,7750	23,7690		
Irradiado	15674	MF	179°38'46"		91°28'51"		1,500	46,6900	46,6750		
Irradiado	15675	MF	167°18'30"		92°41'19"		1,500	46,7470	46,6960		
Irradiado	15676	EXP	173°57'43"		91°35'53"		1,500	45,8480	45,8310		
Irradiado	15677	MF	170°01'51"		92°20'56"		1,500	71,8500	71,7900		
Irradiado	15678	MF	177°07'20"		91°38'07"		1,500	97,5440	97,5040		
Irradiado	15679	MF	171°24'08"		92°10'54"		1,500	98,4080	98,3370		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
D15.1	E	1,531				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	15680	PC	171°24'27"		92°10'14"		1,500	108,8980	108,8200		
Irradiado	15681	EXP	174°42'30"		91°46'53"		1,500	99,0020	98,9540		
Irradiado	15682	PC	170°16'48"		92°08'53"		1,500	77,5040	77,4500		
Irradiado	15683	PC	162°10'08"		92°30'42"		1,500	28,7680	28,7400		
Irradiado	15684	PC	22°07'56"		93°18'01"		1,500	13,5460	13,5240		
Irradiado	15685	CER	288°46'06"		87°12'31"		1,500	16,1240	16,1040		
Irradiado	15686	CED	291°57'18"		87°11'53"		1,500	16,3190	16,2990		
Irradiado	15687	CA	313°23'36"		88°59'48"		1,500	8,7030	8,7020		
Irradiado	15688	CA	331°32'14"		90°58'11"		1,500	13,7470	13,7450		
Irradiado	15689	CA	336°45'45"		90°59'17"		1,500	16,7900	16,7870		
Irradiado	15690	MED	342°06'04"		90°38'12"		1,500	21,9680	21,9660		
Irradiado	15691	MUD	343°06'43"		90°28'08"		1,500	23,3410	23,3400		
Irradiado	15692	MED	344°06'41"		90°16'49"		1,500	25,0240	25,0240		
Irradiado	15693	MED	348°34'48"		89°26'27"		1,500	36,8120	36,8100		
Irradiado	15694	MED	348°49'33"		89°38'05"		1,500	38,0600	38,0590		
Irradiado	15695	MED	351°06'58"		89°48'05"		1,500	52,0940	52,0930		
Irradiado	15696	MED	351°40'05"		89°46'20"		0,400	58,8500	58,8490		
Irradiado	15697	CED	351°50'47"		89°37'46"		1,000	67,0500	67,0490		
Irradiado	15698	CA	4°33'39"		91°18'20"		0,100	47,5660	47,5530		
Irradiado	15699	CA	6°33'33"		90°07'25"		1,500	37,8250	37,8250		
Irradiado	15700	CA	7°04'37"		90°27'03"		1,500	35,4380	35,4370		
Irradiado	15701	ED	9°08'30"		91°00'45"		1,500	29,1610	29,1560		
Irradiado	15702	MED	11°42'21"		91°43'15"		1,500	24,8580	24,8470		
Irradiado	15703	MUD	17°49'32"		93°36'33"		1,500	18,3160	18,2790		
Irradiado	15704	MED	29°29'09"		93°35'00"		1,500	12,8530	12,8280		
Irradiado	15705	CED	68°04'21"		95°12'44"		1,500	7,7700	7,7380		
Irradiado	15706	CED	80°36'59"		95°10'34"		1,500	7,4850	7,4550		
Irradiado	15707	MED	107°52'14"		94°31'55"		1,500	8,0560	8,0310		
Irradiado	15708	MED	112°34'34"		94°29'07"		1,500	8,3500	8,3250		
Irradiado	15709	MED	138°08'19"		93°33'21"		1,500	12,4250	12,4020		
Irradiado	15710	MED	142°02'27"		93°12'46"		1,500	13,7480	13,7270		
Irradiado	15711	MED	154°07'58"		92°39'26"		1,500	20,8270	20,8040		
Irradiado	15712	MED	155°15'27"		92°40'47"		1,500	21,6000	21,5760		
Irradiado	15713	MED	161°21'07"		92°26'14"		1,500	31,1090	31,0810		
Irradiado	15714	MU	162°15'10"		92°38'27"		1,500	33,3400	33,3050		
Irradiado	15715	MUD	160°57'03"		87°54'14"		4,000	33,4850	33,4630		
Auxiliar	F9	A	174°06'44"	354°06'39"	91°47'13"	268°12'42"	1,500	106,6600	106,6080		
Irradiado	15716	CER	239°46'29"		82°58'34"		1,500	10,0850	10,0100		
Irradiado	15717	CA	216°42'48"		84°23'16"		1,500	11,0320	10,9790		
Irradiado	15718	CA	205°49'53"		85°57'03"		1,500	14,5460	14,5100		
Irradiado	15719	MED	204°08'39"		88°18'54"		1,500	18,5850	18,5770		
Irradiado	15720	MUD	202°40'20"		88°27'23"		1,500	19,7260	19,7180		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL4	E	1,535				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL5		0°00'00"	179°59'56"	87°53'30"	272°06'07"	1,500	90,9130	90,8510		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL4	E	1,535				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Auxiliar	F8	A	77°26'39"	257°26'35"	89°14'36"	270°45'25"	1,500	118,0840	118,0730		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
F8		1,524				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL4		0°00'00"	180°00'01"	90°46'31"	269°13'17"	1,500	118,0910	118,0800		
Irradiado	15623	MF	245°59'04"		91°10'57"		1,500	6,7530	6,7520		
Irradiado	15624	MF	166°08'52"		88°29'59"		1,500	3,4060	3,4050		
Irradiado	15625	EXA	217°22'07"		88°40'42"		1,500	3,9360	3,9350		
Irradiado	15626	EXA	193°53'25"		88°52'34"		1,500	28,8340	28,8280		
Irradiado	15627	MF	188°09'58"		88°52'54"		1,500	29,7470	29,7410		
Irradiado	15628	MF	205°12'49"		89°06'38"		1,500	18,4460	18,4430		
Irradiado	15629	MF	201°43'17"		89°09'39"		1,500	24,7550	24,7520		
Irradiado	15630	MF	202°01'50"		89°12'30"		1,500	29,3000	29,2970		
Irradiado	15631	MF	192°44'53"		88°51'05"		1,500	50,9620	50,9510		
Irradiado	15632	MF	191°45'45"		88°47'38"		1,500	55,2570	55,2450		
Irradiado	15633	PC	184°14'59"		88°34'36"		1,500	32,2250	32,2150		
Irradiado	15634	PC	22°30'36"		89°43'35"		1,500	4,7820	4,7820		
Irradiado	15635	CERV	189°05'14"		88°11'34"		1,500	46,0000	45,9780		
Irradiado	15636	CERV	186°51'57"		88°25'15"		1,500	39,2420	39,2270		
Irradiado	15637	CA	182°59'05"		88°01'54"		1,500	36,9720	36,9500		
Irradiado	15638	CED	181°38'10"		88°26'07"		1,500	29,7990	29,7880		
Irradiado	15639	CERD	180°57'51"		82°52'41"		3,000	28,9460	28,7230		
Irradiado	15640	CED	181°19'44"		88°19'20"		1,500	27,6960	27,6840		
Irradiado	15641	CED	177°52'53"		87°54'46"		1,500	18,7150	18,7020		
Irradiado	15642	CED	176°06'37"		87°36'27"		1,500	15,6540	15,6400		
Irradiado	15643	CERD	177°09'50"		87°51'25"		1,500	17,2520	17,2390		
Irradiado	15644	MED	167°56'47"		86°06'48"		1,500	9,4310	9,4100		
Irradiado	15645	MUV	138°32'19"		85°18'01"		1,500	4,1680	4,1540		
Irradiado	15646	CA	122°21'02"		83°44'29"		1,500	3,4570	3,4370		
Irradiado	15647	CED	33°20'21"		89°18'54"		1,500	6,7880	6,7880		
Irradiado	15648	CED	19°38'26"		90°25'54"		1,500	12,0100	12,0100		
Irradiado	15649	CERD	27°13'23"		89°34'25"		1,500	9,6100	9,6100		
Irradiado	15650	CED	13°07'29"		90°58'04"		1,500	19,2620	19,2590		
Irradiado	15651	CERV	11°36'15"		91°07'59"		1,500	21,1400	21,1360		
Irradiado	15652	MUV	342°34'42"		92°42'41"		1,500	21,9970	21,9720		
Irradiado	15653	CA	341°20'51"		92°28'33"		1,500	20,5460	20,5260		
Irradiado	15654	ED	314°53'45"		91°23'02"		1,500	10,5370	10,5340		
Irradiado	15655	CA	242°51'03"		90°02'17"		1,500	10,0920	10,0920		
Irradiado	15656	CA	239°31'05"		89°13'24"		1,500	10,4520	10,4510		
Irradiado	15657	CED	215°27'20"		89°20'46"		1,500	17,5210	17,5190		
Irradiado	15658	CERD	209°42'34"		89°33'48"		1,500	21,6400	21,6390		
Irradiado	15659	SO	348°49'47"		92°01'20"		1,500	31,8360	31,8160		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
F9	E	1,513				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	D15.1		359°59'59"	179°59'58"	88°14'04"	271°45'47"	1,500	106,6470	106,5970		
Irradiado	15721	MU	355°34'37"		87°48'43"		1,500	89,3180	89,2530		
Irradiado	15722	MED	355°02'13"		87°50'30"		1,500	81,8440	81,7850		
Irradiado	15723	MED	354°32'27"		87°50'30"		1,500	75,3010	75,2480		
Irradiado	15724	MUD	354°25'04"		87°50'31"		1,500	73,4600	73,4080		
Irradiado	15725	MUV	354°03'42"		87°48'11"		1,500	70,8130	70,7610		
Irradiado	15726	MED	354°00'56"		87°19'54"		1,500	70,0350	69,9590		
Irradiado	15727	MUD	353°05'22"		87°47'22"		1,500	61,3180	61,2720		
Irradiado	15728	CA	347°55'44"		84°36'30"		4,000	58,0110	57,7540		
Irradiado	15729	CA	345°29'05"		83°38'25"		4,000	51,5260	51,2090		
Irradiado	15730	MU	350°06'39"		87°36'21"		1,500	45,5450	45,5060		
Irradiado	15731	MU	347°40'54"		88°50'32"		0,500	32,1900	32,1830		
Irradiado	15732	MED	342°09'51"		85°54'13"		1,500	29,7050	29,6290		
Irradiado	15733	MED	335°47'37"		83°03'29"		2,500	22,5490	22,3840		
Irradiado	15734	MU	340°03'36"		85°58'23"		1,500	20,4330	20,3820		
Irradiado	15735	MED	337°41'51"		85°00'10"		1,500	17,9730	17,9040		
Irradiado	15736	MED	325°00'51"		82°50'40"		1,500	11,6610	11,5710		
Irradiado	15737	MUV	317°40'16"		85°42'58"		1,500	9,8770	9,8500		
Irradiado	15738	MCER	311°37'11"		84°28'47"		1,500	10,8890	10,8390		
Irradiado	15739	CED	307°28'55"		85°48'46"		1,500	9,8290	9,8030		
Irradiado	15740	CA	309°50'21"		86°12'51"		1,500	8,8810	8,8620		
Irradiado	15741	CA	250°05'12"		87°13'20"		1,500	7,2900	7,2820		
Irradiado	15742	CED	253°00'29"		85°43'49"		1,500	9,1110	9,0860		
Irradiado	15743	CERV	199°18'16"		97°20'43"		1,500	19,2760	19,1170		
Irradiado	15744	CA	197°25'46"		98°21'27"		1,500	24,5180	24,2570		
Irradiado	15745	CED	193°55'59"		97°46'28"		1,500	30,8860	30,6020		
Irradiado	15746	CERV	193°12'57"		99°14'07"		1,500	33,3530	32,9210		
Irradiado	15747	CA	194°24'45"		98°56'29"		1,500	38,0020	37,5400		
Irradiado	15748	CA	193°16'03"		98°25'08"		1,500	44,2470	43,7710		
Irradiado	15749	CA	192°09'03"		97°56'29"		1,500	47,5960	47,1390		
Irradiado	15750	CA	190°34'42"		96°49'03"		1,500	54,9110	54,5220		
Irradiado	15751	CA	187°33'05"		95°58'44"		2,500	56,5900	56,2820		
Irradiado	15752	MED	187°09'00"		96°24'22"		1,500	60,9100	60,5300		
Irradiado	15753	MED	186°57'23"		96°07'28"		1,500	62,1500	61,7950		
Irradiado	15754	MED	186°17'01"		95°36'51"		1,500	68,4990	68,1710		
Irradiado	15755	MCER	186°06'24"		95°45'04"		1,500	70,2310	69,8780		
Irradiado	15756	CERD	186°01'10"		95°20'16"		1,500	73,8450	73,5250		
Irradiado	15757	MCER	185°29'35"		94°55'49"		1,500	77,2840	76,9980		
Irradiado	15758	MED	185°06'06"		94°41'29"		1,500	82,9070	82,6290		
Irradiado	15759	CA	184°39'01"		94°46'24"		0,500	90,0240	89,7120		
Irradiado	15760	CA	175°59'35"		94°23'00"		1,500	93,1870	92,9140		
Irradiado	15761	CA	175°38'10"		94°44'51"		1,500	86,6870	86,3890		
Irradiado	15762	CA	175°24'06"		95°18'29"		1,500	81,1890	80,8400		
Irradiado	15763	CA	174°58'25"		93°36'07"		4,000	72,9140	72,7700		
Irradiado	15764	CA	175°19'46"		93°39'20"		4,000	72,2830	72,1360		
Irradiado	15765	MED	169°25'26"		99°07'12"		1,500	37,5310	37,0570		
Irradiado	15766	MED	166°07'12"		99°37'26"		2,000	28,9530	28,5450		
Irradiado	15767	MED	163°36'20"		97°42'04"		3,000	24,4130	24,1930		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
F9	E	1,513				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	15768	MED	149°18'41"		97°42'55"		3,000	13,4110	13,2900		
Irradiado	15769	MUD	144°39'29"		98°48'03"		2,000	11,8740	11,7350		
Irradiado	15770	MUV	153°19'45"		98°42'46"		2,000	10,5070	10,3860		
Irradiado	15771	CA	116°10'02"		97°04'24"		2,000	12,1940	12,1020		
Irradiado	15772	CA	86°08'45"		97°17'41"		2,000	11,6620	11,5680		
Irradiado	15773	CERV	72°39'54"		95°41'06"		2,000	7,0210	6,9870		
Irradiado	15774	CERD	28°36'31"		91°28'42"		2,000	14,1060	14,1020		
Irradiado	15775	CED	25°33'23"		88°28'29"		2,000	15,1990	15,1930		
Irradiado	15776	CED	15°36'37"		88°31'12"		2,000	24,0100	24,0020		
Irradiado	15777	CERD	14°41'39"		88°44'34"		2,000	25,6110	25,6050		
Irradiado	15778	MCER	13°21'52"		87°03'16"		2,500	27,6800	27,6430		
Irradiado	15779	MED	12°07'38"		87°00'38"		2,500	30,2970	30,2560		
Irradiado	15780	CA	9°14'59"		87°28'34"		2,500	39,2510	39,2130		
Irradiado	15781	MUV	9°05'54"		89°04'34"		1,500	40,6810	40,6760		
Irradiado	15782	MED	8°25'14"		88°52'15"		1,500	43,7900	43,7820		
Irradiado	15783	MED	7°37'56"		88°47'46"		1,500	50,1830	50,1710		
Irradiado	15784	MUV	7°22'08"		88°47'14"		1,500	54,0020	53,9900		
Irradiado	15785	CA	7°04'43"		88°43'05"		1,500	54,8530	54,8390		
Irradiado	15786	CA	6°15'55"		88°36'40"		1,500	61,8200	61,8020		
Irradiado	15787	MED	6°56'35"		86°04'23"		4,500	62,3950	62,2480		
Irradiado	15788	MED	6°21'42"		86°15'29"		4,500	63,4960	63,3610		
Irradiado	15789	MED	5°58'56"		88°40'16"		4,500	73,1090	73,0900		
Irradiado	15790	MED	5°53'45"		88°40'55"		1,500	74,3530	74,3340		
Irradiado	15791	MF	163°32'45"		99°24'46"		1,500	16,3110	16,0910		
Irradiado	15792	MF	198°41'54"		97°45'54"		1,500	16,3880	16,2370		
Irradiado	15793	EXA	181°38'16"		98°40'45"		1,500	15,7740	15,5930		
Irradiado	15794	EXA	181°10'21"		98°30'20"		1,500	42,5820	42,1140		
Irradiado	15795	MF	174°40'16"		98°55'26"		1,500	42,9110	42,3920		
Irradiado	15796	MF	187°01'41"		98°37'25"		1,500	42,7200	42,2370		
Irradiado	15797	MF	176°35'38"		96°05'51"		1,500	67,4690	67,0870		
Irradiado	15798	MF	184°23'34"		96°05'55"		1,500	66,6480	66,2710		
Irradiado	15799	EXA	180°42'08"		96°06'07"		1,500	66,9180	66,5390		
Irradiado	15800	EXA	179°46'27"		94°01'04"		1,500	97,9170	97,6760		
Irradiado	15801	PC	173°34'41"		99°53'13"		0,500	43,1400	42,5000		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
F7	E	1,570				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL8		0°00'00"	179°59'57"	88°13'57"	271°46'03"	1,500	98,5980	98,5510		
Irradiado	15803	MF	178°02'23"		92°13'44"		1,500	23,3480	23,3300		
Irradiado	15804	MF	192°53'05"		92°14'52"		1,500	24,7420	24,7230		
Irradiado	15805	EXA	185°18'36"		92°00'15"		1,500	23,8090	23,7940		
Irradiado	15806	MF	176°26'16"		92°11'26"		1,500	24,2220	24,2040		
Irradiado	15807	MF	173°29'09"		92°10'00"		1,500	25,4350	25,4170		
Irradiado	15808	MF	174°58'41"		92°02'45"		1,500	30,3080	30,2890		
Irradiado	15809	MF	177°22'06"		92°08'58"		1,500	30,7590	30,7370		
Irradiado	15810	MF	178°54'19"		92°11'50"		1,500	31,7880	31,7650		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
F7	E	1,570				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	15811	MF	179°14'23"		92°08'13"		1,500	40,2040	40,1760		
Irradiado	15812	MF	188°04'39"		92°09'35"		1,500	40,4980	40,4690		
Irradiado	15813	EXA	183°30'24"		92°01'06"		1,500	40,5590	40,5340		
Irradiado	15814	EXA	182°49'19"		91°57'08"		1,500	66,7150	66,6760		
Irradiado	15815	MF	180°07'03"		91°59'18"		1,500	67,9080	67,8670		
Irradiado	15816	MF	185°36'59"		92°09'10"		1,500	66,2970	66,2500		
Irradiado	15817	MF	180°17'00"		92°06'19"		1,500	74,0620	74,0120		
Irradiado	15818	MF	185°03'54"		92°08'27"		1,500	76,3610	76,3080		
Irradiado	15819	MF	185°13'20"		92°11'12"		1,500	77,2350	77,1790		
Irradiado	15820	MF	186°06'08"		92°04'55"		1,500	77,6130	77,5620		
Irradiado	15821	MF	262°20'42"		87°37'10"		1,500	30,3820	30,3560		
Irradiado	15822	MF	274°18'56"		87°29'02"		1,500	31,1720	31,1420		
Irradiado	15823	EXA	268°28'04"		87°26'31"		1,500	30,2240	30,1940		
Irradiado	15824	EXA	266°54'22"		87°18'54"		1,500	63,0580	62,9890		
Irradiado	15825	MF	263°47'25"		87°25'06"		1,500	62,5750	62,5110		
Irradiado	15826	MF	269°45'57"		87°17'07"		1,500	63,1930	63,1220		
Irradiado	15827	MF	264°09'31"		87°40'12"		1,500	89,6330	89,5590		
Irradiado	15828	MF	268°26'46"		87°35'38"		1,500	90,8380	90,7580		
Irradiado	15829	CED	288°48'28"		85°10'25"		2,000	20,7440	20,6700		
Irradiado	15830	CED	285°30'35"		84°30'18"		2,000	24,2400	24,1280		
Irradiado	15831	CA	280°34'03"		85°25'03"		2,000	31,2000	31,1000		
Irradiado	15832	CA	277°44'00"		84°49'23"		2,000	35,5090	35,3640		
Irradiado	15833	CED	275°34'18"		85°21'41"		2,000	42,3240	42,1860		
Irradiado	15834	CED	274°01'47"		85°05'45"		2,500	48,1180	47,9410		
Irradiado	15835	MED	273°04'08"		86°56'25"		1,500	56,0270	55,9470		
Irradiado	15836	MED	272°55'52"		86°37'49"		1,500	57,7930	57,6930		
Irradiado	15837	MED	271°44'07"		87°04'38"		1,500	67,4590	67,3710		
Irradiado	15838	MUD	271°34'08"		87°06'42"		1,500	69,0940	69,0060		
Irradiado	15839	MED	271°19'47"		87°13'26"		1,500	70,6650	70,5820		
Irradiado	15840	CA	270°28'28"		87°20'02"		1,500	80,9810	80,8930		
Irradiado	15841	CA	260°36'30"		87°13'55"		1,500	57,7700	57,7020		
Irradiado	15842	CA	259°49'08"		87°32'10"		1,500	56,8060	56,7530		
Irradiado	15843	MED	258°40'50"		87°09'23"		1,500	47,6580	47,5990		
Irradiado	15844	MED	258°11'22"		87°18'52"		1,500	46,5800	46,5290		
Irradiado	15845	CA	259°10'53"		87°19'05"		1,500	45,8110	45,7610		
Irradiado	15846	CA	257°35'00"		87°37'18"		1,500	34,1440	34,1150		
Irradiado	15847	MUV	257°23'53"		87°33'00"		1,500	33,2440	33,2140		
Irradiado	15848	CA	254°02'38"		87°30'57"		1,500	32,5150	32,4850		
Irradiado	15849	CA	252°03'46"		87°15'51"		1,500	26,0700	26,0400		
Irradiado	15850	MED	253°38'35"		87°31'40"		1,500	23,3520	23,3300		
Irradiado	15851	CA	250°41'41"		88°14'26"		1,500	19,0870	19,0780		
Irradiado	15852	CA	246°22'57"		88°21'52"		1,500	14,8660	14,8590		
Irradiado	15853	CA	234°53'14"		88°15'06"		1,500	9,9330	9,9290		
Irradiado	15854	CA	141°29'50"		92°37'14"		1,500	6,1420	6,1360		
Irradiado	15855	CA	96°27'00"		86°05'54"		4,000	47,0430	46,9340		
Irradiado	15856	CA	97°07'59"		85°31'48"		4,000	39,1390	39,0200		
Irradiado	15857	MUD	90°46'47"		89°21'31"		1,500	58,2000	58,1960		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
F5	E	1,597				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	D34		0°00'00"	179°59'57"	86°22'01"	273°38'02"	1,500	106,7540	106,5400		
Irradiado	15858	ED	58°17'15"		85°10'40"		2,500	16,4450	16,3860		
Irradiado	15859	CED	10°44'45"		87°14'02"		1,500	22,4920	22,4660		
Irradiado	15860	CA	102°09'14"		93°18'01"		1,000	27,5350	27,4890		
Irradiado	15861	MUV	102°14'17"		93°33'33"		1,000	26,7430	26,6910		
Irradiado	15862	MED	103°42'02"		93°15'56"		1,000	23,8700	23,8310		
Irradiado	15863	CA	110°31'43"		94°31'01"		1,000	16,2850	16,2340		
Irradiado	15864	MED	111°32'00"		94°28'44"		1,000	16,3340	16,2840		
Irradiado	15865	MUD	113°11'18"		93°23'02"		1,000	15,2500	15,2230		
Irradiado	15866	MED	124°45'40"		95°31'23"		1,000	10,8120	10,7620		
Irradiado	15867	CA	159°48'03"		97°44'52"		1,000	6,8540	6,7920		
Irradiado	15868	CA	209°17'46"		94°58'46"		1,000	8,0650	8,0350		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J3	E	1,544				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL5		359°59'59"	179°59'55"	91°00'07"	268°59'49"	1,500	141,3520	141,3310		
Irradiado	15869	BAT	340°29'20"		91°29'07"		1,500	18,1640	18,1580		
Irradiado	15870	BAT	3°46'39"		90°49'17"		1,500	17,4320	17,4300		
Irradiado	15871	EXA	354°11'17"		91°04'58"		1,500	17,3880	17,3840		
Irradiado	15872	BAT	16°34'06"		90°01'54"		1,500	12,5670	12,5670		
Irradiado	15873	BAT	58°53'27"		91°21'02"		1,500	2,3170	2,3170		
Irradiado	15874	BAT	185°37'27"		89°55'37"		1,500	23,2690	23,2690		
Irradiado	15875	BAT	207°18'32"		90°39'32"		1,500	25,6030	25,6010		
Irradiado	15876	EXA	196°03'44"		90°20'30"		1,500	23,9410	23,9400		
Irradiado	15877	BAT	202°58'50"		90°46'11"		1,500	41,0200	41,0170		
Irradiado	15878	BAT	190°48'25"		90°20'24"		1,500	45,4950	45,4950		
Irradiado	15879	EXA	195°57'03"		90°47'45"		1,500	42,6780	42,6740		
Irradiado	15880	EXA	87°23'46"		87°47'15"		1,500	22,7670	22,7500		
Irradiado	15881	BAT	99°36'22"		87°37'06"		1,500	21,0860	21,0670		
Irradiado	15882	BAT	78°02'23"		87°44'46"		1,500	24,2230	24,2040		
Irradiado	15883	BAT	103°50'03"		87°58'25"		1,500	49,0620	49,0310		
Irradiado	15884	BAT	95°59'09"		87°54'38"		1,500	51,9120	51,8770		
Irradiado	15885	CER	92°07'47"		87°38'20"		1,500	44,6210	44,5840		
Irradiado	15886	CERD	82°39'32"		84°53'44"		4,000	45,4760	45,2960		
Irradiado	15887	CED	80°28'35"		83°51'59"		4,000	42,4090	42,1670		
Irradiado	15888	CA	82°47'25"		87°48'47"		1,500	41,2640	41,2340		
Irradiado	15889	CA	78°40'35"		87°42'48"		1,500	34,1140	34,0870		
Irradiado	15890	CA	66°40'37"		87°54'21"		1,500	38,2940	38,2690		
Irradiado	15891	CERV	68°31'55"		87°51'55"		1,500	36,3830	36,3580		
Irradiado	15892	CER	16°32'13"		89°45'15"		1,500	13,4800	13,4800		
Irradiado	15893	CED	10°30'50"		89°58'50"		1,500	20,4380	20,4380		
Irradiado	15894	CED	7°56'59"		90°06'40"		1,500	26,3460	26,3460		
Irradiado	15895	CERD	7°29'38"		90°10'19"		1,500	28,6300	28,6300		
Irradiado	15896	CED	6°14'19"		90°09'34"		1,500	32,7690	32,7690		
Irradiado	15897	CED	4°35'47"		90°09'46"		1,500	40,1600	40,1600		
Irradiado	15898	CERV	4°34'32"		90°17'36"		1,500	41,0400	41,0400		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J3	E	1,544				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	15899	CA	4°05'13"		90°21'02"		1,500	43,6530	43,6530		
Irradiado	15900	CA	3°11'06"		89°45'09"		1,500	50,6000	50,5990		
Irradiado	15901	CERV	347°40'53"		90°57'56"		1,500	41,6180	41,6120		
Irradiado	15902	CED	347°08'07"		90°53'41"		1,500	37,2590	37,2550		
Irradiado	15903	CA	344°19'25"		91°06'52"		1,500	29,9200	29,9140		
Irradiado	15904	CERV	346°20'50"		90°44'50"		1,500	28,6920	28,6900		
Irradiado	15905	CERD	329°09'15"		92°16'37"		1,500	14,6420	14,6310		
Irradiado	15906	CERD	268°16'16"		92°25'13"		1,500	8,6190	8,6120		
Irradiado	15907	CER	114°28'04"		87°47'12"		1,500	19,9520	19,9370		
Irradiado	15908	PILA	170°00'46"		87°22'43"		2,500	36,9100	36,8720		
Irradiado	15909	PILA	164°43'47"		87°09'49"		2,500	36,9960	36,9510		
Irradiado	15910	PILA	169°57'49"		87°39'09"		2,500	40,1730	40,1400		
Irradiado	15911	PILA	165°33'53"		87°29'55"		2,500	40,3140	40,2760		
Irradiado	15912	CX	171°18'37"		87°01'23"		2,500	38,3060	38,2550		
Irradiado	15913	CX	171°19'47"		87°04'23"		2,500	39,1120	39,0610		
Irradiado	15914	CX	170°09'26"		86°59'48"		2,500	38,3430	38,2910		
Irradiado	15915	CX	170°09'15"		87°03'26"		2,500	39,1460	39,0950		
Irradiado	15916	CX	170°09'16"		87°07'05"		2,500	39,9170	39,8670		
Irradiado	15917	CX	171°20'25"		87°08'43"		2,500	39,9210	39,8720		
Irradiado	15918	CX	171°18'22"		87°05'47"		2,500	39,2800	39,2300		
Irradiado	15919	TBU	170°05'56"		87°30'55"		2,500	39,7010	39,6640		
Irradiado	15920	TBU	170°32'58"		87°26'14"		2,500	38,7700	38,7310		
Irradiado	15921	RESEVATOR.	169°35'00"		87°19'11"		2,500	36,8180	36,7780		
Irradiado	15922	RESEVATOR.	164°56'57"		87°09'03"		2,500	36,9900	36,9440		
Irradiado	15923	RESEVATOR.	170°05'15"		87°38'06"		2,500	40,0030	39,9690		
Irradiado	15924	COTA	167°20'36"		87°13'30"		2,500	36,9980	36,9550		
Irradiado	15925	RESEVATOR.	167°20'37"		74°25'04"		2,500	37,6360	36,2530		
Irradiado	15926	RESEVATOR.	167°20'37"		80°46'02"		2,500	36,7440	36,2680		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
D30.1	E	1,500				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	D30		0°00'00"	180°00'05"	93°09'49"	266°50'23"	1,500	63,4960	63,3990		
Auxiliar	F10	A	94°36'14"	274°36'09"	82°32'49"	277°26'58"	1,500	112,2900	111,3420		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
F10	E	1,500				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	D30.1		0°00'00"	179°59'51"	97°27'42"	262°32'41"	1,500	112,2970	111,3470		
Irradiado	15927	RESRVTOR.	120°41'46"		89°56'46"		1,500	13,2810	13,2810		
Irradiado	15928	RESRVTOR.	127°52'27"		89°39'08"		1,500	17,0170	17,0160		
Irradiado	15929	RESRVTOR.	139°16'44"		88°56'11"		1,500	11,5840	11,5820		
Irradiado	15930	PILA	120°45'44"		89°56'57"		1,500	13,2420	13,2420		
Irradiado	15931	PILA	127°58'52"		89°35'24"		1,500	16,9340	16,9330		
Irradiado	15932	PILA	138°36'56"		89°02'40"		1,500	11,5690	11,5680		
Irradiado	15933	PILA	141°51'27"		85°15'38"		2,500	15,6040	15,5500		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
F10	E	1,500				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	15934	CX	130°00'01"		90°26'38"		1,500	12,7900	12,7900		
Irradiado	15935	CX	134°16'20"		90°17'25"		1,500	13,9150	13,9150		
Irradiado	15936	CX	134°42'53"		90°34'07"		1,500	11,9790	11,9790		
Irradiado	15937	TBU150	137°44'04"		89°00'49"		1,500	12,1370	12,1360		
Irradiado	15938	TBU150	140°44'55"		85°14'11"		2,500	15,5520	15,4980		
Irradiado	15939	TBU150	140°08'56"		84°20'00"		2,500	11,0550	11,0010		
Irradiado	15940	TBU150	139°41'16"		49°49'43"		0,000	14,8060	11,3130		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL48	E	1,593				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL49		0°00'00"	180°00'00"	88°56'59"	271°03'17"	1,500	236,2050	236,1660		
Irradiado	15941	BAC	110°03'39"		86°36'23"		2,600	16,3560	16,3270		
Irradiado	15942	BAC	90°15'18"		87°04'24"		2,600	17,9530	17,9290		
Irradiado	15943	EXA	100°05'17"		86°29'52"		2,600	17,1090	17,0770		
Irradiado	15944	EXA	105°49'19"		88°34'10"		2,600	39,8560	39,8440		
Irradiado	15945	BAC	109°26'32"		88°40'20"		2,600	39,7200	39,7100		
Irradiado	15946	BAC	100°44'48"		88°40'42"		2,600	39,8210	39,8110		
Irradiado	15947	BAC	109°16'35"		89°19'00"		2,600	63,4100	63,4050		
Irradiado	15948	BAC	104°07'13"		89°19'07"		2,600	63,1410	63,1360		
Irradiado	15949	EXA	106°39'54"		89°16'41"		2,600	63,2320	63,2270		
Irradiado	15950	EXA	107°36'35"		89°32'39"		2,600	85,8070	85,8040		
Irradiado	15951	BAC	109°21'36"		89°35'59"		2,600	86,0510	86,0490		
Irradiado	15952	BAC	105°27'41"		89°35'49"		2,600	85,9510	85,9490		
Irradiado	15953	BAC	109°19'10"		89°51'25"		2,600	115,0670	115,0660		
Irradiado	15954	BAC	106°26'43"		89°52'05"		2,600	115,6130	115,6120		
Irradiado	15955	EXA	107°45'47"		89°51'48"		2,600	115,5070	115,5060		
Irradiado	15956	EXA	108°09'54"		90°00'02"		2,600	139,4550	139,4550		
Irradiado	15957	BAC	109°19'15"		90°02'17"		2,600	138,9940	138,9940		
Irradiado	15958	BAC	106°56'45"		90°02'25"		2,600	139,3650	139,3650		
Irradiado	15959	BAC	109°20'04"		90°10'19"		2,600	168,4680	168,4670		
Irradiado	15960	BAC	107°20'16"		90°09'37"		2,600	168,8630	168,8630		
Irradiado	15961	EXA	108°20'04"		90°07'27"		2,600	168,5340	168,5340		
Irradiado	15962	EXA	108°28'09"		90°12'00"		2,600	190,7520	190,7510		
Irradiado	15963	BAC	109°20'41"		90°15'36"		2,600	190,3120	190,3100		
Irradiado	15964	BAC	107°34'54"		90°14'56"		2,600	190,6340	190,6320		
Irradiado	15965	BAC	109°18'49"		90°21'41"		2,600	218,7470	218,7420		
Irradiado	15966	BAC	107°48'43"		90°21'25"		2,600	218,4630	218,4590		
Irradiado	15967	EXA	108°31'50"		90°22'33"		2,600	218,3400	218,3350		
Irradiado	15968	EXA	108°38'52"		90°27'05"		2,600	242,7580	242,7500		
Irradiado	15969	BAC	109°19'01"		90°27'17"		2,600	242,7060	242,6980		
Irradiado	15970	BAC	107°56'04"		90°27'17"		2,600	242,6190	242,6120		
Irradiado	15971	BAC	109°20'22"		90°33'16"		2,600	271,5410	271,5290		
Irradiado	15972	BAC	108°05'54"		90°33'16"		2,600	271,7930	271,7810		
Irradiado	15973	EXA	108°43'16"		90°29'04"		2,600	271,3430	271,3340		
Irradiado	15974	EXA	108°43'02"		90°38'11"		2,600	300,8320	300,8140		
Irradiado	15975	EXA	108°11'03"		90°38'17"		2,600	300,8990	300,8810		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL48	E	1,593				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	15976	EXA	109°18'30"		90°38'44"		2,600	300,8900	300,8710		
Irradiado	15977	BAC	109°18'18"		90°42'54"		2,600	326,7490	326,7240		
Irradiado	15978	BAC	108°14'51"		90°42'21"		2,600	326,9750	326,9500		
Irradiado	15979	EXA	108°44'41"		90°41'32"		2,600	326,8600	326,8360		
Irradiado	15980	CER	106°51'08"		90°42'54"		2,600	315,7530	315,7280		
Irradiado	15981	PC	112°57'02"		90°49'20"		2,600	259,5740	259,5470		
Irradiado	15982	CER	113°13'24"		90°52'14"		2,600	259,1710	259,1410		
Irradiado	15983	CERD	113°46'13"		90°48'36"		2,600	228,8770	228,8540		
Irradiado	15984	PC	118°06'22"		90°18'07"		2,600	112,0060	112,0050		
Irradiado	15985	PC	129°10'20"		89°59'16"		2,600	51,7330	51,7330		
Irradiado	15986	CER	137°56'23"		90°22'12"		2,600	54,7300	54,7290		
Irradiado	15987	CER	99°21'52"		89°05'38"		2,600	52,7450	52,7380		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
D35.2	E	1,500				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	D35.1		0°00'00"	180°00'06"	94°20'00"	265°39'58"	1,500	133,2330	132,8520		
Irradiado	15988	CARREIRO	52°48'53"		87°45'52"		2,500	15,3020	15,2900		
Irradiado	15989	CARREIRO	74°32'32"		88°29'30"		2,500	26,6080	26,5990		
Irradiado	15990	CARREIRO	81°12'07"		88°39'05"		2,500	38,5700	38,5600		
Irradiado	15991	CARREIRO	83°40'49"		88°21'26"		2,500	50,5180	50,4970		
Irradiado	15992	CARREIRO	83°42'01"		88°42'00"		2,500	62,4110	62,3950		
Irradiado	15993	CARREIRO	86°03'54"		89°12'48"		2,500	73,4760	73,4690		
Irradiado	15994	CARREIRO	85°35'49"		89°17'54"		3,500	83,3780	83,3710		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
F10	E	1,498				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	D30.1		359°59'59"	179°59'55"	97°26'48"	262°33'07"	1,500	112,3100	111,3630		
Irradiado	15995	CARREIRO	217°12'02"		78°28'35"		1,500	5,8720	5,7540		
Irradiado	15996	CARREIRO	260°12'39"		79°35'46"		1,500	9,8530	9,6910		
Irradiado	15997	CARREIRO	85°51'52"		97°28'26"		1,500	12,7740	12,6660		
Irradiado	15998	CARREIRO	129°27'28"		89°56'29"		1,500	2,8570	2,8570		
Irradiado	15999	CARREIRO	77°29'29"		97°32'51"		1,500	24,8830	24,6670		
Irradiado	16000	CARREIRO	80°35'03"		98°09'45"		1,000	36,3960	36,0270		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
D29	E	1,312				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	D28		359°59'59"	180°00'06"	93°57'33"	266°02'29"	1,500	41,1870	41,0890		
Irradiado	16001	CARREIRO	306°56'14"		81°29'17"		1,500	39,9000	39,4610		
Irradiado	16002	CARREIRO	296°35'32"		80°30'04"		1,500	32,2980	31,8550		
Irradiado	16003	CARREIRO	282°53'56"		80°33'59"		1,500	25,1550	24,8150		
Irradiado	16004	CARREIRO	280°54'10"		78°32'50"		1,500	14,1270	13,8460		
Irradiado	16005	CARREIRO	291°38'44"		70°39'44"		1,500	4,6450	4,3830		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
D29	E	1,312				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	16006	CARREIRO	92°10'19"		93°59'45"		1,500	4,3840	4,3730		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J11	E	1,510				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL52		359°59'59"	179°59'57"	92°45'19"	267°14'26"	1,500	218,4620	218,2090		
Irradiado	16008	BAT	201°16'30"		88°57'41"		1,500	93,9350	93,9200		
Irradiado	16009	BAT	206°02'47"		89°05'00"		1,500	92,9810	92,9690		
Irradiado	16010	EXT	203°35'44"		88°59'26"		1,500	93,1420	93,1270		
Irradiado	16011	EXT	203°22'10"		88°56'30"		1,500	76,5120	76,4990		
Irradiado	16012	BAT	206°20'42"		89°01'35"		1,500	76,1310	76,1200		
Irradiado	16013	BAT	200°04'26"		88°51'38"		1,500	75,9860	75,9710		
Irradiado	16014	BAT	198°08'54"		88°38'07"		1,500	58,0330	58,0160		
Irradiado	16015	BAT	207°24'38"		88°49'51"		1,500	57,6360	57,6240		
Irradiado	16016	EXT	202°08'32"		88°40'14"		1,500	57,0960	57,0800		
Irradiado	16017	EXT	202°14'44"		88°27'09"		1,500	38,6680	38,6540		
Irradiado	16018	BAT	210°28'12"		88°44'17"		1,500	38,6760	38,6670		
Irradiado	16019	BAT	195°49'51"		88°22'52"		1,500	37,6090	37,5940		
Irradiado	16020	BAT	195°00'51"		88°45'04"		1,500	19,7480	19,7430		
Irradiado	16021	BAT	220°20'25"		89°05'23"		1,500	21,4020	21,3990		
Irradiado	16022	EXT	207°32'27"		88°40'03"		1,500	19,7540	19,7480		
Irradiado	16023	EXT	287°50'28"		93°30'59"		1,500	5,3390	5,3290		
Irradiado	16024	BAT	313°04'38"		96°51'36"		1,500	1,7940	1,7810		
Irradiado	16025	BAT	324°23'10"		93°25'08"		1,500	13,9640	13,9400		
Irradiado	16026	BAT	315°32'46"		92°51'04"		1,500	13,3350	13,3190		
Irradiado	16027	BAT	303°51'14"		92°14'31"		1,500	14,2410	14,2310		
Irradiado	16028	BAT	298°36'39"		92°01'09"		1,500	17,0990	17,0880		
Irradiado	16029	BAT	294°05'08"		91°51'39"		1,500	21,1810	21,1700		
Irradiado	16030	BAT	269°52'01"		90°45'50"		1,500	21,0450	21,0430		
Irradiado	16031	BAT	268°34'06"		91°04'24"		1,500	16,8520	16,8490		
Irradiado	16032	BAT	266°35'08"		91°10'35"		1,500	13,4720	13,4700		
Irradiado	16033	BAT	263°38'03"		91°06'00"		1,500	11,6520	11,6500		
Irradiado	16034	BAT	256°49'24"		91°21'17"		1,500	10,9550	10,9520		
Irradiado	16035	BAT	248°54'15"		90°51'51"		1,500	11,3730	11,3720		
Irradiado	16036	EXT	357°56'20"		93°08'25"		1,500	27,9620	27,9200		
Irradiado	16037	BAT	350°38'03"		93°29'28"		1,500	28,7380	28,6850		
Irradiado	16038	BAT	6°33'49"		93°03'02"		1,500	27,4700	27,4310		
Irradiado	16039	BAT	5°58'20"		93°16'31"		1,500	44,9230	44,8500		
Irradiado	16040	BAT	356°53'14"		93°10'31"		1,500	45,9480	45,8780		
Irradiado	16041	EXT	1°47'38"		93°10'47"		1,500	45,3330	45,2640		
Irradiado	16042	EXT	2°28'09"		93°20'45"		1,500	63,1150	63,0070		
Irradiado	16043	BAT	5°42'15"		93°14'01"		1,500	63,0790	62,9790		
Irradiado	16044	BAT	358°45'24"		93°31'36"		1,500	63,4230	63,3030		
Irradiado	16045	PC	10°07'40"		92°23'46"		2,500	67,4610	67,4020		
Irradiado	16046	BAT	4°50'06"		93°35'29"		1,500	84,8110	84,6440		
Irradiado	16047	BAT	359°50'45"		93°45'53"		1,500	84,5710	84,3880		
Irradiado	16048	EXT	2°33'35"		93°40'59"		1,500	84,8670	84,6910		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
J11	E	1,510				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	16049	EXT	2°06'44"		93°59'28"		1,500	103,5790	103,3280		
Irradiado	16050	BAT	4°12'04"		94°00'06"		1,500	103,7190	103,4660		
Irradiado	16051	BAT	359°53'13"		94°02'11"		1,500	103,2660	103,0100		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL52	E	1,557				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	J11		0°00'00"	179°59'57"	87°15'49"	272°44'23"	1,500	218,4450	218,1960		
Irradiado	16052	BAT	0°06'19"		88°26'29"		1,500	115,3060	115,2630		
Irradiado	16053	BAT	0°36'16"		89°13'31"		1,500	97,9820	97,9730		
Irradiado	16054	BAT	356°14'59"		89°08'45"		1,500	97,4410	97,4300		
Irradiado	16055	EXT	358°32'57"		89°12'49"		1,500	97,4880	97,4790		
Irradiado	16056	EXT	359°51'45"		90°01'38"		1,500	80,2470	80,2470		
Irradiado	16057	BAT	1°57'05"		90°01'28"		1,500	80,3810	80,3810		
Irradiado	16058	BAT	357°11'30"		89°57'02"		1,500	79,9480	79,9480		
Irradiado	16059	CERV	354°50'43"		89°46'33"		1,500	93,7620	93,7610		
Irradiado	16060	BAT	358°26'01"		90°40'43"		1,500	64,7480	64,7440		
Irradiado	16061	BAT	4°39'16"		90°50'42"		1,500	65,4350	65,4280		
Irradiado	16062	EXT	1°21'31"		90°46'48"		1,500	64,7080	64,7020		
Irradiado	16063	ALA	355°13'37"		93°39'01"		1,500	48,0680	47,9700		
Irradiado	16064	ALA	355°31'08"		93°39'44"		1,500	47,9140	47,8160		
Irradiado	16065	ALA	353°50'38"		93°36'40"		1,500	47,5920	47,4970		
Irradiado	16066	ALA	355°35'08"		93°36'22"		1,500	48,9450	48,8480		
Irradiado	16067	ALA	355°54'05"		93°27'49"		1,500	49,0630	48,9730		
Irradiado	16068	ALA	355°06'35"		93°29'41"		1,500	50,0450	49,9510		
Irradiado	16069	FBU0.8	355°20'41"		93°47'31"		2,500	48,5270	48,4200		
Irradiado	16070	TBU0.8	355°19'10"		92°45'25"		2,500	48,4280	48,3710		
Irradiado	16071	TBU0.8	12°37'15"		93°18'36"		2,500	44,7350	44,6610		
Irradiado	16072	FBU0.8	12°33'12"		93°06'11"		3,500	44,5810	44,5160		
Irradiado	16073	BAT	359°53'01"		91°20'53"		1,500	50,0790	50,0650		
Irradiado	16074	BAT	7°03'51"		91°40'13"		1,500	50,3640	50,3420		
Irradiado	16075	EXT	3°47'12"		91°30'37"		1,500	49,5100	49,4920		
Irradiado	16076	EXT	9°32'11"		92°29'23"		1,500	32,8850	32,8540		
Irradiado	16077	BAT	15°08'01"		92°37'48"		1,500	34,0790	34,0430		
Irradiado	16078	BAT	4°21'16"		92°26'19"		1,500	31,5120	31,4840		
Irradiado	16079	BAT	20°55'43"		94°05'49"		1,500	15,5510	15,5110		
Irradiado	16080	BAT	38°02'20"		93°55'02"		1,500	19,4810	19,4350		
Irradiado	16081	EXT	31°10'12"		94°04'52"		1,500	16,6780	16,6350		
Irradiado	16082	BAT	94°30'37"		94°03'24"		1,500	10,2640	10,2390		
Irradiado	16083	BAT	86°26'57"		94°13'38"		1,500	17,6310	17,5830		
Irradiado	16084	EXT	95°41'51"		93°23'48"		1,500	14,3530	14,3280		
Irradiado	16085	BAT	114°15'11"		92°18'55"		1,500	25,5510	25,5300		
Irradiado	16086	BAT	109°37'53"		93°07'44"		1,500	25,8450	25,8060		
Irradiado	16087	BAT	101°39'31"		94°21'42"		1,500	29,3190	29,2340		
Irradiado	16088	BAT	82°11'10"		94°14'00"		1,500	17,3030	17,2550		
Irradiado	16089	BAT	86°18'13"		94°16'11"		1,500	18,7590	18,7070		
Irradiado	16090	BAT	87°19'51"		95°00'04"		1,500	22,0280	21,9440		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL52	E	1,557				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	16091	BAT	89°20'10"		95°52'56"		1,500	28,6590	28,5080		
Irradiado	16092	BAT	92°56'14"		95°08'00"		1,500	44,7480	44,5690		
Irradiado	16093	BAT	100°52'06"		94°22'39"		1,500	44,9810	44,8500		
Irradiado	16094	EXT	97°50'16"		94°44'46"		1,500	44,6640	44,5110		
Irradiado	16095	EXT	97°21'11"		93°56'13"		1,500	62,3980	62,2510		
Irradiado	16096	BAT	93°57'36"		94°19'38"		1,500	62,0790	61,9020		
Irradiado	16097	BAT	99°49'43"		93°46'48"		1,500	62,0800	61,9450		
Irradiado	16098	BAT	99°13'32"		93°21'30"		1,500	77,6820	77,5490		
Irradiado	16099	BAT	94°48'04"		93°41'38"		1,500	77,7290	77,5680		
Irradiado	16100	EXT	97°02'07"		93°31'00"		1,500	77,6860	77,5400		
Irradiado	16101	EXT	97°03'23"		93°20'15"		1,500	94,1260	93,9660		
Irradiado	16102	BAT	99°00'30"		93°03'45"		1,500	94,2610	94,1260		
Irradiado	16103	BAT	95°11'15"		93°29'55"		1,500	94,1590	93,9830		
Irradiado	16104	BAT	95°25'16"		93°26'26"		1,500	111,0220	110,8220		
Irradiado	16105	BAT	98°35'23"		93°05'57"		1,500	110,5980	110,4370		
Irradiado	16106	EXT	96°50'20"		93°15'45"		1,500	110,4640	110,2850		
Irradiado	16107	EXT	97°06'52"		93°04'12"		1,500	126,6720	126,4900		
Irradiado	16108	BAT	98°39'03"		92°53'28"		1,500	126,5470	126,3860		
Irradiado	16109	BAT	95°45'41"		93°11'17"		1,500	126,7780	126,5820		
Irradiado	16110	BAT	95°59'37"		92°59'04"		1,500	144,2170	144,0220		
Irradiado	16111	BAT	98°41'24"		92°45'08"		1,500	144,9980	144,8300		
Irradiado	16112	EXT	97°16'17"		92°54'50"		1,500	144,9880	144,8000		
Irradiado	16113	CED	94°35'10"		93°07'39"		1,500	138,4190	138,2130		
Irradiado	16114	CED	94°25'29"		93°03'30"		2,000	132,0010	131,8130		
Irradiado	16115	CED	94°15'34"		93°17'31"		2,000	126,6850	126,4760		
Irradiado	16116	CA	94°02'29"		93°24'11"		1,500	119,7560	119,5450		
Irradiado	16117	CA	91°23'40"		93°37'31"		1,500	115,2900	115,0590		
Irradiado	16118	CA	90°37'18"		93°47'15"		1,500	104,8370	104,6080		
Irradiado	16119	CERV	92°44'31"		93°43'45"		1,500	93,7740	93,5750		
Irradiado	16120	CA	100°03'18"		92°33'59"		1,500	99,8690	99,7690		
Irradiado	16121	CED	100°06'22"		92°41'03"		1,500	96,3810	96,2750		
Irradiado	16122	CERV	100°14'36"		92°52'13"		1,500	88,5380	88,4270		
Irradiado	16123	CERD	91°08'42"		93°58'59"		1,500	73,4480	73,2710		
Irradiado	16124	CA	89°16'04"		94°12'41"		1,500	69,0110	68,8250		
Irradiado	16125	CA	88°00'30"		93°22'42"		3,000	63,1180	63,0080		
Irradiado	16126	CERD	89°12'47"		94°32'32"		1,500	60,3190	60,1290		
Irradiado	16127	CER	78°24'51"		96°58'02"		1,500	27,9140	27,7080		
Irradiado	16128	BAT	131°42'29"		89°55'57"		1,500	46,5620	46,5620		
Irradiado	16129	BAT	140°46'03"		88°19'15"		2,500	45,1260	45,1070		
Irradiado	16130	EXT	136°07'47"		88°24'47"		2,500	45,6320	45,6150		
Irradiado	16131	EXT	138°12'11"		87°54'01"		2,500	61,3300	61,2890		
Irradiado	16132	BAT	135°03'18"		88°05'45"		2,500	61,8250	61,7910		
Irradiado	16133	BAT	141°34'54"		87°48'29"		2,500	60,6080	60,5640		
Irradiado	16134	BAT	141°53'04"		87°16'40"		2,500	76,8540	76,7680		
Irradiado	16135	BAT	136°24'38"		87°33'58"		2,500	77,2540	77,1850		
Irradiado	16136	EXT	139°07'43"		87°23'43"		2,500	76,7210	76,6420		
Irradiado	16137	EXT	139°56'59"		86°58'19"		2,500	92,8020	92,6720		
Irradiado	16138	BAT	137°17'54"		87°07'10"		2,500	93,1140	92,9960		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
BL52	E	1,557				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irrradiado	16139	BAT	142°19'26"		86°54'58"		2,500	92,6350	92,5010		
Irrradiado	16140	BAT	142°52'37"		86°50'42"		2,500	108,8330	108,6680		
Irrradiado	16141	BAT	137°55'55"		87°00'12"		2,500	108,9730	108,8240		
Irrradiado	16142	EXT	140°05'17"		86°54'20"		2,500	108,8690	108,7110		
Irrradiado	16143	EXT	140°25'04"		86°55'47"		2,500	124,4740	124,2950		
Irrradiado	16144	BAT	138°25'03"		86°59'29"		2,500	124,5600	124,3880		
Irrradiado	16145	BAT	142°26'58"		86°52'45"		2,500	124,6730	124,4880		
Irrradiado	16146	BAT	142°09'53"		87°02'44"		2,500	140,7570	140,5700		
Irrradiado	16147	BAT	138°34'53"		87°09'17"		2,500	140,5100	140,3370		
Irrradiado	16148	EXT	140°24'56"		87°05'48"		2,500	140,5660	140,3860		
Irrradiado	16150	EXT	140°27'48"		87°17'00"		2,500	157,0670	156,8900		
Irrradiado	16151	BAT	142°02'57"		87°16'48"		2,500	157,8540	157,6760		
Irrradiado	16152	BAT	138°48'19"		87°21'57"		2,500	157,8360	157,6690		
Irrradiado	16153	PC	146°12'14"		86°12'21"		2,500	87,5840	87,3920		
Irrradiado	16154	CERV	133°31'29"		87°30'13"		2,500	83,2240	83,1450		
Irrradiado	16155	PC	99°06'12"		92°12'11"		2,500	105,6340	105,5560		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
F1	E	1,546				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Ré	BL55		0°00'00"	179°59'58"	92°26'03"	267°33'56"	1,500	175,4040	175,2460		
Irrradiado	16156	CA	348°43'24"		93°06'39"		1,500	59,3600	59,2720		
Irrradiado	16157	CA	347°11'59"		93°04'00"		1,500	51,3370	51,2630		
Irrradiado	16158	CERV	348°18'29"		93°04'32"		1,500	49,7230	49,6510		
Irrradiado	16159	CED	343°46'17"		93°24'51"		1,500	36,7840	36,7190		
Irrradiado	16160	CED	339°55'28"		93°34'41"		1,500	30,3400	30,2810		
Irrradiado	16161	CER	230°37'28"		89°19'24"		1,500	14,5400	14,5390		
Irrradiado	16162	BAT	180°20'47"		88°56'33"		1,500	14,0350	14,0330		
Irrradiado	16163	BAT	221°45'15"		88°48'03"		1,500	17,1460	17,1420		
Irrradiado	16164	BAT	223°39'42"		89°05'42"		1,500	14,0360	14,0350		
Irrradiado	16165	BAT	236°45'23"		89°53'36"		1,500	11,0790	11,0790		
Irrradiado	16166	BAT	249°18'32"		90°25'11"		1,500	9,4250	9,4250		
Irrradiado	16167	BAT	307°44'55"		97°02'28"		1,500	2,1180	2,1020		
Irrradiado	16168	BAT	191°02'40"		91°27'05"		1,500	1,4860	1,4860		
Irrradiado	16169	BAT	116°16'39"		92°13'26"		1,500	2,7800	2,7780		
Irrradiado	16170	BAT	91°09'38"		93°22'20"		1,500	4,3950	4,3880		
Irrradiado	16171	BAT	226°29'34"		89°12'24"		1,500	33,8760	33,8730		
Irrradiado	16172	BAT	213°01'27"		88°49'48"		1,500	35,6550	35,6480		
Irrradiado	16173	EXT	219°27'33"		88°54'39"		1,500	34,4180	34,4120		
Irrradiado	16174	EXT	223°07'31"		89°02'45"		1,500	51,0510	51,0440		
Irrradiado	16175	BAT	227°54'30"		89°18'21"		1,500	50,4400	50,4360		
Irrradiado	16176	BAT	219°05'29"		88°56'41"		1,500	51,6640	51,6550		
Irrradiado	16177	BAT	221°54'01"		88°56'56"		1,500	68,3790	68,3680		
Irrradiado	16178	BAT	228°30'31"		89°11'32"		1,500	67,6210	67,6140		
Irrradiado	16179	EXT	225°04'22"		89°00'12"		1,500	67,8790	67,8690		
Irrradiado	16180	EXT	225°45'10"		89°03'36"		1,500	83,1190	83,1070		
Irrradiado	16181	BAT	228°36'57"		89°11'57"		1,500	82,8710	82,8620		

Estação	Descrição	HI	Norte	Este	Cota	Azimute
F1	E	1,546				

Tipo	Nome	Descrição	AHD	AHI	AVD	AVI	HS	DI	DH	EC	DHxC
Irradiado	16182	BAT	223°16'12"		89°02'57"		1,500	83,4470	83,4350		
Irradiado	16183	PC	225°09'39"		88°34'23"		3,500	153,8700	153,8220		
Irradiado	16184	BAT	228°51'33"		89°01'45"		2,500	133,7410	133,7220		
Irradiado	16185	BAT	225°53'18"		88°57'25"		2,500	133,9870	133,9650		
Irradiado	16186	EXT	227°25'38"		88°59'43"		2,500	133,6730	133,6530		
Irradiado	16187	BAT	228°57'54"		88°36'22"		2,500	95,1780	95,1500		
Irradiado	16188	BAT	224°06'30"		88°25'34"		2,500	95,5640	95,5280		
Irradiado	16189	EXT	226°31'41"		88°29'25"		2,500	94,8380	94,8050		
Irradiado	16190	CERV	222°29'13"		88°08'02"		2,500	96,6450	96,5940		
Irradiado	16191	CERV	222°27'47"		88°03'51"		2,500	84,9600	84,9110		
Irradiado	16192	PC	219°40'37"		87°45'37"		2,500	62,4120	62,3640		
Irradiado	16193	CERV	202°33'55"		87°46'40"		1,500	29,0020	28,9800		
Irradiado	16194	CER	231°33'28"		86°58'56"		3,000	30,0380	29,9960		