Caderneta de campo :

Datas : 08.09.2015 / 13.10.2015 / 13.11.2015

Estação ocupada A1

Altura do aparelho : 1,51 m

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Ponto visado | | | | Ângulo Horizontal | Ângulo Vertical | Altura Prisma | Distâncias | | |
| Tipo | Nome | | Desc. | inclinada | | reduzida |
|  | | | | | | | | | |
| Irradiado | A0 |  | | 0°00'00" | 98°23'44" | 1,580 | 58,7580 | 58,1280 | |
| Irradiado | 1 | PO | | 359°41'50" | 98°23'36" | 1,580 | 59,3910 | 58,7550 | |
| Irradiado | 2 | Q | | 359°30'26" | 98°05'26" | 1,580 | 60,8490 | 60,2430 | |
| Irradiado | 3 | Q | | 354°50'35" | 98°07'43" | 1,580 | 57,4180 | 56,8410 | |
| Irradiado | 4 | Q | | 354°57'28" | 99°05'33" | 1,580 | 46,2230 | 45,6420 | |
| Irradiado | 5 | Q | | 355°06'02" | 100°25'52" | 1,580 | 38,9190 | 38,2750 | |
| Irradiado | 6 | Q | | 355°17'36" | 97°58'13" | 1,580 | 60,4270 | 59,8430 | |
| Irradiado | 7 | TE | | 354°05'17" | 100°12'21" | 1,580 | 38,8450 | 38,2300 | |
| Vante | 8 |  | | 353°31'43" | 100°31'53" | 1,580 | 35,9850 | 35,3780 | |
| Irradiado | 9 | IG | | 0°36'20" | 99°35'47" | 2,100 | 27,5690 | 27,1840 | |
| Irradiado | 10 | PO | | 352°38'29" | 100°15'13" | 1,580 | 26,0920 | 25,6760 | |
| Irradiado | 11 | PI | | 349°24'12" | 99°30'54" | 1,580 | 24,6720 | 24,3330 | |
| Irradiado | 12 | PI | | 349°14'27" | 99°49'16" | 1,580 | 24,4160 | 24,0590 | |
| Irradiado | 13 | PI | | 349°10'22" | 99°01'10" | 1,580 | 24,3960 | 24,0950 | |
| Irradiado | 14 | PI | | 348°17'55" | 99°35'59" | 1,580 | 22,7910 | 22,4720 | |
| Irradiado | 15 | PI | | 346°03'05" | 99°01'54" | 1,580 | 20,4240 | 20,1710 | |
| Irradiado | 16 | PI | | 345°56'41" | 96°36'12" | 1,580 | 20,2050 | 20,0710 | |
| Irradiado | 17 | PI | | 341°58'00" | 97°50'07" | 1,580 | 16,9900 | 16,8320 | |
| Irradiado | 18 | PI | | 8°14'39" | 99°54'34" | 1,580 | 11,9370 | 11,7590 | |
| Irradiado | 19 | PI | | 319°18'54" | 94°17'21" | 1,580 | 9,3700 | 9,3440 | |
| Irradiado | 20 | PO | | 310°34'24" | 93°09'52" | 1,580 | 7,0300 | 7,0190 | |
| Irradiado | 21 | PO | | 266°39'36" | 86°59'04" | 1,580 | 6,4760 | 6,4670 | |
| Irradiado | 22 | PO | | 242°33'31" | 85°50'19" | 1,580 | 7,1320 | 7,1130 | |
| Irradiado | 23 | PO | | 222°14'33" | 84°30'37" | 1,580 | 8,2870 | 8,2490 | |
| Irradiado | 24 | MU | | 196°33'59" | 82°12'13" | 1,580 | 20,0130 | 19,8280 | |
| Ré | 25 |  | | 192°16'07" | 79°22'37" | 1,580 | 26,0440 | 25,5980 | |
| Ré | 26 |  | | 184°23'57" | 79°16'40" | 1,580 | 25,7550 | 25,3060 | |
| Ré | 27 |  | | 186°57'41" | 83°32'43" | 1,580 | 19,4340 | 19,3110 | |
| Ré | 28 |  | | 166°32'43" | 84°48'00" | 1,580 | 21,8810 | 21,7910 | |
| Ré | 29 |  | | 179°42'52" | 84°37'09" | 1,580 | 23,2010 | 23,0990 | |
| Ré | 30 |  | | 192°08'16" | 83°52'28" | 1,580 | 13,3030 | 13,2270 | |
| Ré | 31 |  | | 153°19'23" | 86°11'42" | 1,580 | 5,8540 | 5,8410 | |
| Ré | 32 |  | | 48°15'11" | 96°54'19" | 1,580 | 3,0860 | 3,0640 | |
| Auxiliar | A2 | A | | 259°18'39" | 91°40'32" | 1,580 | 21,8890 | 21,8800 | |
| Auxiliar | 33 | A | | 245°25'12" | 86°45'04" | 1,580 | 7,4360 | 7,4240 | |
| Auxiliar | 34 | A | | 265°15'47" | 86°26'06" | 1,580 | 6,8270 | 6,8140 | |
| Auxiliar | 35 | A | | 30°47'29" | 97°03'54" | 1,580 | 16,2420 | 16,1190 | |
| Auxiliar | 36 | A | | 144°10'53" | 91°59'53" | 1,580 | 18,2040 | 18,1930 | |
| Ré | A1 |  | | 0°00'01" | 88°20'16" | 1,580 | 22,0050 | 21,9960 | |
| Auxiliar | 37 | A | | 348°51'39" | 86°49'00" | 1,580 | 15,6600 | 15,6360 | |
| Auxiliar | 38 | A | | 345°31'46" | 86°34'13" | 1,580 | 12,7340 | 12,7110 | |
| Auxiliar | 39 | A | | 328°17'20" | 86°53'02" | 1,580 | 15,2890 | 15,2670 | |
| Auxiliar | 40 | A | | 302°55'35" | 93°58'33" | 1,580 | 10,2200 | 10,1960 | |
| Auxiliar | 41 | A | | 289°57'21" | 96°45'52" | 1,580 | 27,3000 | 27,1100 | |
| Auxiliar | 42 | A | | 289°32'44" | 96°14'29" | 1,580 | 29,1860 | 29,0130 | |
| Auxiliar | 43 | A | | 286°44'26" | 97°31'20" | 1,580 | 27,9260 | 27,6860 | |
| Auxiliar | 44 | A | | 289°27'26" | 96°33'22" | 1,580 | 17,5760 | 17,4610 | |
| Auxiliar | 45 | A | | 296°59'50" | 95°03'39" | 1,580 | 8,5340 | 8,5010 | |
| Auxiliar | 46 | A | | 306°06'47" | 93°35'43" | 1,580 | 9,1690 | 9,1510 | |
| Auxiliar | 47 | A | | 329°06'48" | 86°55'14" | 1,580 | 13,3680 | 13,3490 | |
| Auxiliar | 48 | A | | 342°33'35" | 86°33'04" | 1,580 | 11,4950 | 11,4740 | |
| Auxiliar | 49 | A | | 350°52'33" | 86°20'21" | 1,580 | 11,9130 | 11,8890 | |
| Auxiliar | 50 | A | | 354°13'49" | 86°52'00" | 1,580 | 15,2250 | 15,2020 | |
| Auxiliar | 51 | A | | 29°08'03" | 84°47'45" | 1,580 | 14,2560 | 14,1970 | |
| Auxiliar | 52 | A | | 34°38'57" | 83°08'07" | 1,580 | 11,3210 | 11,2400 | |
| Auxiliar | 53 | A | | 46°18'06" | 84°38'51" | 1,580 | 16,6380 | 16,5660 | |
| Irradiado | 54 | PE | | 50°01'05" | 84°38'26" | 1,580 | 17,2580 | 17,1830 | |
| Irradiado | 55 | PE | | 70°12'18" | 81°31'07" | 1,580 | 12,0440 | 11,9130 | |
| Irradiado | 56 | PE | | 98°48'56" | 86°20'31" | 0,000 | 10,7380 | 10,7160 | |
| Irradiado | 57 | CR | | 142°01'57" | 74°00'48" | 1,580 | 9,9660 | 9,5810 | |
| Irradiado | 58 | CR | | 93°59'33" | 72°30'26" | 1,580 | 13,6580 | 13,0270 | |
| Irradiado | 59 | CR | | 76°20'54" | 75°22'47" | 1,580 | 17,1900 | 16,6340 | |
| Irradiado | 60 | CR | | 54°39'42" | 80°04'51" | 1,580 | 20,8590 | 20,5480 | |
| Irradiado | 61 | CR | | 150°43'18" | 75°56'22" | 1,580 | 6,5320 | 6,3360 | |
| Irradiado | 62 | CR | | 78°40'21" | 77°59'29" | 1,580 | 4,4290 | 4,3320 | |
| Irradiado | 63 | CR | | 34°12'31" | 83°49'41" | 1,580 | 4,2420 | 4,2180 | |
| Irradiado | 64 | CR | | 5°32'54" | 87°32'06" | 1,580 | 3,9430 | 3,9400 | |
| Irradiado | 65 | CR | | 355°44'34" | 87°51'36" | 1,580 | 3,9140 | 3,9110 | |
| Irradiado | 66 | CR | | 348°56'05" | 88°49'45" | 1,580 | 4,1290 | 4,1280 | |
| Irradiado | 67 | CR | | 340°34'48" | 89°06'41" | 1,580 | 4,4350 | 4,4350 | |
| Irradiado | 68 | CR | | 307°16'39" | 92°45'16" | 1,580 | 6,6470 | 6,6390 | |
| Irradiado | 69 | CR | | 281°58'48" | 97°38'37" | 1,580 | 8,4260 | 8,3510 | |
| Irradiado | 70 | CR | | 260°13'34" | 99°46'35" | 1,580 | 11,3570 | 11,1920 | |
| Irradiado | 71 | CR | | 264°41'55" | 97°56'14" | 1,580 | 16,5350 | 16,3770 | |
| Irradiado | 72 | CR | | 251°45'22" | 97°46'17" | 1,580 | 17,8120 | 17,6490 | |
| Irradiado | 73 | CR | | 247°02'47" | 98°46'57" | 1,580 | 11,7050 | 11,5680 | |
| Irradiado | 74 | CR | | 268°52'52" | 98°32'13" | 1,580 | 4,6590 | 4,6080 | |
| Irradiado | 75 | CR | | 284°56'42" | 94°34'26" | 1,580 | 2,3840 | 2,3760 | |
| Irradiado | 76 | CR | | 315°27'04" | 92°31'40" | 1,580 | 3,5830 | 3,5800 | |
| Irradiado | 77 | CR | | 321°54'04" | 93°15'29" | 1,580 | 2,8110 | 2,8070 | |
| Irradiado | 78 | CR | | 333°51'31" | 93°12'40" | 1,580 | 2,2940 | 2,2900 | |
| Irradiado | 79 | CR | | 347°58'53" | 92°09'58" | 1,580 | 1,9920 | 1,9910 | |
| Irradiado | 80 | CR | | 5°52'48" | 96°50'25" | 1,580 | 1,6560 | 1,6440 | |
| Irradiado | 81 | PE | | 73°35'06" | 100°01'34" | 1,580 | 1,8510 | 1,8230 | |
| Irradiado | 82 | PE | | 155°35'23" | 92°48'05" | 1,580 | 4,8840 | 4,8780 | |
| Irradiado | 83 | PE | | 165°40'57" | 89°49'32" | 1,580 | 10,7830 | 10,7830 | |
| Irradiado | 84 | PE | | 167°59'47" | 90°08'53" | 1,580 | 19,0720 | 19,0720 | |
| Irradiado | 85 | CR | | 184°26'17" | 91°44'54" | 1,580 | 18,2510 | 18,2430 | |
| Irradiado | 86 | CR | | 191°06'44" | 93°00'00" | 1,580 | 16,8540 | 16,8310 | |
| Irradiado | 87 | CR | | 196°33'40" | 92°40'19" | 1,580 | 17,0800 | 17,0620 | |
| Irradiado | 88 | CR | | 227°19'01" | 95°17'10" | 1,580 | 9,0510 | 9,0130 | |
| Irradiado | 89 | CR | | 250°44'13" | 96°37'20" | 1,580 | 7,0620 | 7,0150 | |
| Irradiado | 90 | PA | | 289°35'23" | 96°28'14" | 1,580 | 16,8970 | 16,7900 | |
| Irradiado | 91 | PA | | 269°35'08" | 97°21'50" | 1,580 | 17,8060 | 17,6590 | |
| Irradiado | 92 | PA | | 102°39'17" | 94°57'25" | 1,580 | 2,3550 | 2,3460 | |
| Irradiado | 93 | PA | | 89°00'14" | 76°09'06" | 1,580 | 3,8010 | 3,6910 | |
| Irradiado | 94 | PA | | 53°24'33" | 81°30'29" | 1,580 | 3,0730 | 3,0390 | |
| Irradiado | 95 | PA | | 118°36'56" | 74°29'22" | 1,580 | 14,4130 | 13,8880 | |
| Irradiado | 96 | PA | | 132°25'48" | 75°32'12" | 1,580 | 16,2760 | 15,7600 | |
|  |  |  | |  |  |  |  |  | |
| Ré | A1 |  | | 359°59'59" | 88°35'26" | 1,580 | 52,8000 | 52,7840 | |
| Auxiliar | 97 | A | | 8°58'11" | 87°32'49" | 1,580 | 14,0560 | 14,0430 | |
| Auxiliar | 98 | A | | 41°40'10" | 84°23'50" | 1,580 | 6,1750 | 6,1460 | |
| Auxiliar | 99 | A | | 131°39'38" | 83°51'05" | 1,580 | 8,1620 | 8,1150 | |
| Auxiliar | 100 | A | | 140°01'04" | 84°56'19" | 1,580 | 13,2160 | 13,1650 | |
| Auxiliar | 101 | A | | 152°11'29" | 86°43'02" | 1,580 | 21,7320 | 21,6970 | |
| Irradiado | 102 | CR | | 130°44'01" | 77°41'45" | 1,580 | 17,4680 | 17,0670 | |
| Irradiado | 103 | CR | | 107°10'24" | 69°44'14" | 1,580 | 15,0070 | 14,0790 | |
| Irradiado | 104 | CR | | 86°14'38" | 66°50'57" | 1,580 | 13,6550 | 12,5560 | |
| Irradiado | 105 | CR | | 70°48'23" | 66°47'38" | 1,580 | 17,4790 | 16,0650 | |
| Irradiado | 106 | CR | | 49°58'48" | 70°44'51" | 1,580 | 17,2400 | 16,2760 | |
| Irradiado | 107 | CR | | 18°47'15" | 79°39'34" | 1,580 | 21,7230 | 21,3710 | |
| Irradiado | 108 | CR | | 10°21'34" | 82°42'29" | 2,000 | 26,7590 | 26,5430 | |
| Irradiado | 109 | AR | | 351°30'50" | 89°14'34" | 1,580 | 35,4630 | 35,4590 | |
| Irradiado | 110 | AR | | 352°52'22" | 88°45'00" | 1,580 | 36,8170 | 36,8080 | |
| Irradiado | 111 | AR | | 355°03'55" | 88°43'36" | 1,580 | 36,4960 | 36,4870 | |
| Irradiado | 112 | AR | | 355°15'41" | 88°44'16" | 1,580 | 37,1420 | 37,1330 | |
| Irradiado | 113 | AR | | 350°33'15" | 88°53'58" | 1,580 | 28,2690 | 28,2640 | |
| Irradiado | 114 | AR | | 349°23'42" | 89°07'54" | 1,580 | 25,7740 | 25,7710 | |
| Irradiado | 115 | AR | | 343°47'51" | 89°17'23" | 1,580 | 21,0530 | 21,0520 | |
| Irradiado | 116 | AR | | 344°55'54" | 92°48'45" | 0,000 | 27,7400 | 27,7070 | |
| Irradiado | 117 | AR | | 345°14'10" | 89°57'24" | 0,000 | 12,5920 | 12,5920 | |
| Irradiado | 118 | AR | | 330°07'09" | 93°21'41" | 0,000 | 26,1850 | 26,1400 | |
| Irradiado | 119 | AR | | 309°15'28" | 98°10'27" | 1,580 | 16,5570 | 16,3890 | |
| Irradiado | 120 | AR | | 305°10'35" | 97°09'19" | 1,580 | 26,9900 | 26,7800 | |
| Irradiado | 121 | AR | | 204°55'23" | 99°02'42" | 1,580 | 8,4410 | 8,3360 | |
| Irradiado | 122 | AR | | 198°39'31" | 96°03'34" | 1,580 | 5,5820 | 5,5510 | |
| Irradiado | 123 | AR | | 179°30'56" | 89°54'56" | 1,580 | 6,2670 | 6,2670 | |
| Irradiado | 124 | AR | | 171°14'50" | 89°58'26" | 1,580 | 10,2510 | 10,2510 | |
| Irradiado | 125 | AR | | 157°19'58" | 87°13'31" | 1,580 | 10,6690 | 10,6570 | |
| Irradiado | 126 | AR | | 152°54'12" | 86°30'28" | 1,580 | 13,1280 | 13,1040 | |
| Irradiado | 127 | CORR | | 172°35'43" | 91°45'53" | 1,580 | 27,2490 | 27,2370 | |
| Irradiado | 128 | CORR | | 176°40'01" | 93°36'00" | 1,580 | 24,5250 | 24,4770 | |
| Irradiado | 129 | CORR | | 181°39'44" | 95°20'13" | 1,580 | 17,5240 | 17,4480 | |
| Irradiado | 130 | CORR | | 214°36'07" | 99°59'31" | 1,580 | 12,6300 | 12,4390 | |
| Irradiado | 131 | CORR | | 231°01'25" | 100°43'28" | 1,580 | 13,0990 | 12,8700 | |
| Irradiado | 132 | CORR | | 257°14'51" | 99°48'02" | 1,580 | 18,3320 | 18,0650 | |
| Irradiado | 133 | CORR | | 275°49'16" | 98°37'18" | 1,580 | 23,4040 | 23,1400 | |
| Irradiado | 134 | CORR | | 281°58'50" | 97°19'45" | 1,580 | 32,4520 | 32,1870 | |
| Irradiado | 135 | BAN | | 283°44'46" | 96°51'31" | 1,580 | 32,2770 | 32,0460 | |
| Irradiado | 136 | BAN | | 291°33'55" | 97°09'50" | 1,580 | 31,2340 | 30,9910 | |
| Irradiado | 137 | BAN | | 293°29'01" | 97°11'52" | 1,580 | 32,2880 | 32,0340 | |
| Irradiado | 138 | BAN | | 296°14'56" | 96°36'03" | 1,580 | 38,1940 | 37,9400 | |
| Irradiado | 139 | BAN | | 299°48'51" | 96°03'07" | 1,580 | 40,8730 | 40,6450 | |
| Irradiado | 140 | CORR | | 295°35'21" | 96°59'26" | 1,580 | 44,2230 | 43,8940 | |
| Irradiado | 141 | CORR | | 281°47'00" | 97°12'28" | 1,580 | 33,0500 | 32,7890 | |
| Irradiado | 142 | CAN | | 257°05'29" | 102°00'52" | 1,580 | 11,1190 | 10,8760 | |
| Irradiado | 143 | CAN | | 236°37'17" | 102°11'59" | 1,580 | 8,7360 | 8,5390 | |
| Irradiado | 144 | CAN | | 250°33'51" | 104°50'01" | 1,580 | 5,8440 | 5,6490 | |
| Irradiado | 145 | CAN | | 272°36'47" | 103°19'43" | 1,580 | 8,6560 | 8,4230 | |
| Irradiado | 146 | TN | | 329°24'34" | 96°07'05" | 1,580 | 15,6370 | 15,5480 | |
| Irradiado | 147 | TN | | 323°42'51" | 94°55'32" | 1,580 | 22,5750 | 22,4920 | |
| Irradiado | 148 | TN | | 325°15'55" | 93°04'16" | 1,580 | 32,0300 | 31,9840 | |
| Irradiado | 149 | TN | | 333°15'56" | 92°57'41" | 1,580 | 26,9370 | 26,9010 | |
| Irradiado | 150 | TN | | 341°46'08" | 93°05'57" | 1,580 | 26,0280 | 25,9900 | |
| Irradiado | 151 | TN | | 335°37'12" | 94°37'13" | 1,580 | 15,7420 | 15,6910 | |
| Auxiliar | A4 | A | | 314°02'53" | 95°46'41" | 1,580 | 46,9490 | 46,7100 | |
| Irradiado | A5 | COROA | | 293°59'22" | 98°09'16" | 1,580 | 25,6800 | 25,4210 | |
| Irradiado | A6 | COROA | | 285°17'56" | 98°23'21" | 1,580 | 22,2290 | 21,9910 | |
| Irradiado | A7 | COROA | | 279°44'43" | 99°10'13" | 1,580 | 18,5050 | 18,2690 | |
| Irradiado | A8 | COROA | | 289°29'40" | 99°16'49" | 1,580 | 17,4510 | 17,2230 | |
| Irradiado | A9 | COROA | | 280°47'34" | 100°40'28" | 1,580 | 14,6890 | 14,4350 | |
| Irradiado | A10 | COROA | | 284°33'09" | 100°57'53" | 1,580 | 13,7830 | 13,5320 | |
| Irradiado | A11 | COROA | | 289°45'12" | 101°09'57" | 1,580 | 13,0820 | 12,8350 | |
| Irradiado | A12 | COROA | | 285°15'48" | 102°43'59" | 1,580 | 10,4050 | 10,1490 | |
| Irradiado | A13 | COROA | | 303°49'59" | 100°27'03" | 1,580 | 12,9760 | 12,7610 | |
| Irradiado | A14 | COROA | | 322°26'27" | 98°00'07" | 1,580 | 10,4190 | 10,3180 | |
| Irradiado | A15 | COROA | | 346°15'05" | 91°04'42" | 1,580 | 9,4080 | 9,4060 | |
|  |  |  | |  |  |  |  |  | |
| Ré | A3 |  | | 0°00'00" | 83°59'50" | 1,580 | 46,9730 | 46,7150 | |
| Irradiado | 153 | CERCA | | 67°32'27" | 89°48'55" | 1,580 | 20,5360 | 20,5360 | |
| Irradiado | 154 | CERCA | | 73°15'13" | 92°39'46" | 1,580 | 14,1620 | 14,1470 | |
| Irradiado | 155 | CERCA | | 104°12'45" | 89°47'26" | 1,580 | 6,8290 | 6,8290 | |
| Irradiado | 156 | DIV | | 204°16'50" | 89°44'03" | 1,580 | 10,0440 | 10,0440 | |
| Irradiado | 157 | DIV | | 222°43'02" | 90°29'33" | 1,580 | 23,8090 | 23,8080 | |
| Irradiado | 158 | DIV | | 235°03'52" | 88°47'30" | 1,580 | 22,7510 | 22,7460 | |
| Irradiado | 159 | DIV | | 248°47'21" | 86°44'36" | 1,580 | 22,7720 | 22,7360 | |
| Irradiado | 160 | DIV | | 251°47'30" | 85°56'30" | 1,580 | 17,0080 | 16,9660 | |
| Irradiado | 161 | DIV | | 259°57'37" | 83°26'26" | 1,580 | 9,6450 | 9,5820 | |
| Irradiado | 162 | ES | | 259°24'35" | 79°37'18" | 1,580 | 10,5480 | 10,3760 | |
| Irradiado | 163 | ES | | 259°24'14" | 79°00'00" | 1,580 | 10,8080 | 10,6100 | |
| Irradiado | 164 | ES | | 258°47'15" | 78°19'29" | 1,580 | 11,2140 | 10,9820 | |
| Irradiado | 165 | ES | | 259°32'13" | 77°42'25" | 1,580 | 11,4700 | 11,2070 | |
| Irradiado | 166 | ES | | 228°54'41" | 88°50'03" | 1,580 | 16,8880 | 16,8850 | |
| Irradiado | 167 | ES | | 269°19'28" | 79°25'48" | 1,580 | 10,7660 | 10,5830 | |
| Irradiado | 168 | ES | | 262°05'20" | 82°52'45" | 1,580 | 9,3940 | 9,3220 | |
| Irradiado | 169 | ES | | 246°28'09" | 86°06'47" | 1,580 | 7,3970 | 7,3800 | |
| Irradiado | 170 | ES | | 238°56'20" | 86°22'14" | 1,580 | 4,1340 | 4,1260 | |
| Irradiado | 171 | ES | | 48°15'42" | 94°06'49" | 1,580 | 4,1000 | 4,0900 | |
| Irradiado | 172 | CORR | | 71°18'36" | 92°24'14" | 1,580 | 13,9320 | 13,9200 | |
| Irradiado | 173 | CORR | | 67°57'41" | 89°40'40" | 1,580 | 7,8780 | 7,8780 | |
| Irradiado | 174 | CORR | | 54°25'35" | 90°12'04" | 1,580 | 3,3670 | 3,3670 | |
| Irradiado | 175 | CORR | | 325°02'22" | 80°57'27" | 1,580 | 4,7590 | 4,7000 | |
| Irradiado | 176 | CORR | | 321°23'06" | 79°07'12" | 1,580 | 10,7390 | 10,5460 | |
| Irradiado | 177 | CORR | | 325°54'31" | 79°01'28" | 1,580 | 14,2760 | 14,0150 | |
| Irradiado | 178 | CORR | | 324°05'14" | 78°50'56" | 1,580 | 15,9280 | 15,6280 | |
| Irradiado | 179 | CORR | | 338°10'01" | 79°25'52" | 1,580 | 16,2230 | 15,9480 | |
| Irradiado | 180 | CORR | | 339°14'22" | 82°40'27" | 1,580 | 14,0110 | 13,8970 | |
| Irradiado | 181 | CORR | | 338°49'14" | 81°06'26" | 1,580 | 10,9670 | 10,8350 | |
| Irradiado | 182 | CORR | | 18°16'59" | 83°04'43" | 1,580 | 5,5560 | 5,5160 | |
| Irradiado | 183 | CORR | | 52°08'55" | 89°00'48" | 1,580 | 9,0630 | 9,0620 | |
| Irradiado | 184 | CORR | | 64°55'40" | 90°16'11" | 1,580 | 13,4430 | 13,4430 | |
| Irradiado | 185 | NA | | 68°16'06" | 92°53'26" | 1,580 | 12,9730 | 12,9570 | |
| Irradiado | 186 | NA | | 48°28'34" | 95°14'21" | 1,580 | 4,5440 | 4,5250 | |
| Irradiado | 187 | NA | | 330°14'05" | 88°18'01" | 1,580 | 11,9740 | 11,9690 | |
| Irradiado | 188 | NA | | 333°52'22" | 84°31'27" | 1,580 | 13,7420 | 13,6800 | |
| Irradiado | 189 | NA | | 323°48'38" | 81°57'21" | 1,580 | 22,8060 | 22,5820 | |
| Irradiado | 190 | NA | | 312°58'11" | 82°03'07" | 1,580 | 29,6550 | 29,3710 | |
| Irradiado | 191 | TN | | 312°34'08" | 79°00'56" | 1,580 | 51,3120 | 50,3720 | |
| Irradiado | 192 | TN | | 314°31'29" | 78°17'31" | 1,580 | 53,5890 | 52,4740 | |
| Irradiado | 193 | TN | | 309°22'05" | 79°43'00" | 1,580 | 50,4220 | 49,6120 | |
| Irradiado | 194 | TN | | 309°35'31" | 79°53'34" | 1,580 | 47,2880 | 46,5540 | |
| Irradiado | 195 | TN | | 313°10'26" | 79°30'45" | 1,580 | 24,0220 | 23,6210 | |
| Irradiado | 196 | TN | | 304°25'08" | 77°36'23" | 1,580 | 13,1990 | 12,8920 | |
| Irradiado | 197 | TN | | 285°10'33" | 77°10'50" | 1,580 | 6,9380 | 6,7650 | |
| Irradiado | 198 | TN | | 207°14'21" | 87°21'44" | 1,580 | 4,5200 | 4,5150 | |
| Irradiado | 199 | TN | | 227°55'34" | 88°40'12" | 1,580 | 11,6960 | 11,6930 | |
| Irradiado | 200 | TN | | 231°43'35" | 88°54'04" | 1,580 | 18,8290 | 18,8260 | |
| Irradiado | 201 | TN | | 81°15'05" | 88°11'30" | 1,580 | 5,4970 | 5,4940 | |
| Irradiado | 202 | BA | | 53°41'06" | 89°18'50" | 1,580 | 9,4580 | 9,4570 | |
| Irradiado | 203 | BA | | 7°50'56" | 83°55'52" | 1,580 | 6,3100 | 6,2750 | |
| Irradiado | 204 | BA | | 15°48'25" | 83°57'48" | 1,580 | 7,6310 | 7,5890 | |
| Irradiado | 205 | BA | | 30°02'01" | 85°18'00" | 1,580 | 8,7570 | 8,7280 | |
| Irradiado | 206 | BA | | 44°37'17" | 87°17'25" | 1,580 | 11,3300 | 11,3170 | |
|  |  |  | |  |  |  |  |  | |
|  |  |  | |  |  |  |  |  | |
| Ré | A2 |  | | 0°00'00" | 91°03'18" | 1,580 | 30,9360 | 30,9310 | |
| Irradiado | 208 | AR | | 275°23'16" | 76°35'32" | 1,580 | 3,9730 | 3,8650 | |
| Irradiado | 209 | AR | | 124°28'55" | 71°48'48" | 1,580 | 19,0980 | 18,1440 | |
| Irradiado | 210 | AR | | 265°17'15" | 74°27'52" | 1,580 | 22,2420 | 21,4300 | |
| Irradiado | 211 | AR | | 278°04'46" | 70°04'30" | 1,580 | 23,6560 | 22,2400 | |
| Irradiado | 212 | AR | | 289°06'44" | 65°33'54" | 1,580 | 22,2380 | 20,2460 | |
| Irradiado | 213 | AR | | 287°40'58" | 65°01'44" | 1,580 | 19,0710 | 17,2880 | |
| Irradiado | 214 | AR | | 293°46'29" | 64°18'34" | 1,580 | 15,4950 | 13,9640 | |
| Irradiado | 215 | AR | | 302°40'40" | 80°14'31" | 1,580 | 14,0070 | 13,8050 | |
| Irradiado | 216 | AR | | 326°49'51" | 82°30'46" | 1,580 | 9,7660 | 9,6830 | |
| Irradiado | 217 | AR | | 337°24'08" | 78°35'07" | 1,580 | 14,5120 | 14,2250 | |
| Irradiado | 218 | AR | | 334°30'43" | 78°52'08" | 1,580 | 15,2910 | 15,0040 | |
| Irradiado | 219 | AR | | 315°27'48" | 77°25'20" | 1,580 | 17,3980 | 16,9810 | |
| Irradiado | 220 | AR | | 314°42'03" | 79°29'42" | 1,580 | 16,3110 | 16,0380 | |
| Irradiado | 221 | AR | | 310°41'34" | 75°49'14" | 1,580 | 17,3410 | 16,8130 | |
| Irradiado | 222 | AR | | 309°01'29" | 75°07'31" | 1,580 | 17,8830 | 17,2840 | |
| Irradiado | 223 | AR | | 321°28'31" | 80°12'16" | 1,580 | 20,9090 | 20,6050 | |
| Irradiado | 224 | AR | | 322°56'10" | 78°59'53" | 1,580 | 23,6960 | 23,2610 | |
| Irradiado | 225 | AR | | 324°46'18" | 80°05'04" | 1,580 | 24,6450 | 24,2770 | |
| Irradiado | 226 | AR | | 328°31'50" | 79°37'17" | 1,580 | 20,0090 | 19,6820 | |
| Irradiado | 227 | AR | | 316°37'55" | 99°22'58" | 1,580 | 3,8880 | 3,8360 | |
| Irradiado | 228 | AR | | 327°47'19" | 100°15'31" | 1,580 | 4,2900 | 4,2220 | |
| Irradiado | 229 | AR | | 335°11'44" | 90°44'08" | 1,580 | 5,9970 | 5,9970 | |
| Irradiado | 230 | AR | | 284°06'49" | 117°14'16" | 1,580 | 2,7720 | 2,4650 | |
| Ré | A1 |  | | 0°00'01" | 88°40'43" | 1,580 | 30,9430 | 30,9430 | |
| Irradiado | 231 | AR | | 21°03'46" | 79°49'55" | 1,580 | 13,4620 | 13,2510 | |
| Irradiado | 232 | AR | | 22°34'22" | 79°30'51" | 1,580 | 12,4130 | 12,2060 | |
| Irradiado | 233 | AR | | 27°55'18" | 74°55'09" | 1,580 | 9,5910 | 9,2610 | |
| Irradiado | 234 | AR | | 88°35'18" | 82°21'57" | 1,580 | 6,3990 | 6,3420 | |
| Irradiado | 235 | AR | | 93°15'38" | 75°34'19" | 1,580 | 7,1270 | 6,9020 | |
| Irradiado | 236 | AR | | 71°32'46" | 76°13'44" | 1,580 | 9,0060 | 8,7470 | |
| Irradiado | 237 | AR | | 63°02'19" | 76°38'01" | 1,580 | 8,9470 | 8,7050 | |
| Irradiado | 238 | AR | | 75°10'44" | 70°33'05" | 1,580 | 11,3830 | 10,7340 | |

Museu dos Otoni - Serro - MG - 13 - 11 - 2015

Estação ocupada A1

Altura do aparelho : 1,51 m

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Ponto visado | | | Ângulo Horizontal | Ângulo Vertical | Altura Prisma | Distâncias | |
| Tipo | Nome | Desc. | inclinada | reduzida |
|  | | | | | | | |
| Ré | A0 |  | 0°00'01" | 91°45'28" | 2,600 | 9,0420 | 9,0380 |
| Irradiado | 1 | CX | 250°26'14" | 70°58'57" | 1,580 | 13,6610 | 12,9160 |
| Irradiado | 2 | CX | 253°33'16" | 69°02'51" | 1,580 | 16,0750 | 15,0120 |
| Irradiado | 3 | AR | 241°02'33" | 68°02'49" | 1,580 | 17,8810 | 16,5850 |
| Irradiado | 4 | AR | 227°43'32" | 70°21'23" | 1,580 | 16,9670 | 15,9800 |
| Irradiado | 5 | AR | 222°52'39" | 70°51'57" | 1,580 | 14,5770 | 13,7720 |
| Irradiado | 6 | AR | 217°12'55" | 71°42'33" | 1,580 | 10,7700 | 10,2260 |
| Irradiado | 7 | AR | 287°45'49" | 79°53'07" | 1,580 | 17,7290 | 17,4540 |
| Irradiado | 8 | AR | 288°36'26" | 80°44'30" | 1,580 | 21,8770 | 21,5920 |
| Irradiado | 9 | AR | 293°39'01" | 81°48'43" | 1,580 | 21,6310 | 21,4110 |
| Irradiado | 10 | AR | 304°12'39" | 83°53'56" | 1,580 | 18,5080 | 18,4030 |
| Irradiado | 11 | AR | 307°12'50" | 84°52'22" | 1,580 | 17,8630 | 17,7920 |
| Irradiado | 12 | AR | 285°46'52" | 79°58'13" | 1,580 | 24,1870 | 23,8180 |
| Irradiado | 13 | AR | 287°29'36" | 80°58'14" | 1,580 | 25,7620 | 25,4430 |
| Irradiado | 14 | B | 293°13'05" | 82°51'38" | 1,580 | 26,1230 | 25,9210 |
| Irradiado | 15 | B | 290°45'05" | 81°59'05" | 1,580 | 28,3410 | 28,0650 |
| Irradiado | 16 | B | 288°41'37" | 81°26'14" | 1,580 | 30,7880 | 30,4450 |
| Irradiado | 17 | AM | 68°32'50" | 92°17'30" | 1,580 | 12,6880 | 12,6780 |
| Irradiado | 18 | AM | 79°27'20" | 91°47'56" | 1,580 | 14,4230 | 14,4160 |