

ПРИЛОЖЕНИЕ 6  
к Закону Самарской области  
«Об установлении границ  
внутригородских районов городского  
округа Самара Самарской области»

Геодезические данные  
(каталог координат (направлений и дирекционных углов)  
Красноглинского района)

| №  | Длина   | Дир. угол  |
|----|---------|------------|
| 1  |         |            |
| 2  | 372.7   | 270°19'45" |
| 3  | 246.06  | 357°34'01" |
| 4  | 142.99  | 358°45'41" |
| 5  | 38.47   | 269°32'55" |
| 6  | 43.29   | 241°31'13" |
| 7  | 30.28   | 256°34'35" |
| 8  | 22.55   | 258°38'57" |
| 9  | 55.71   | 353°50'07" |
| 10 | 75.8    | 358°17'51" |
| 11 | 45.21   | 5°09'21"   |
| 12 | 38.68   | 40°30'51"  |
| 13 | 58.4    | 44°05'01"  |
| 14 | 79.49   | 355°19'58" |
| 15 | 15.34   | 354°41'25" |
| 16 | 39.37   | 357°40'26" |
| 17 | 12.7    | 349°29'10" |
| 18 | 56.31   | 342°08'17" |
| 19 | 19.11   | 349°32'45" |
| 20 | 36.17   | 2°19'05"   |
| 21 | 49.12   | 5°14'23"   |
| 22 | 342.1   | 272°59'38" |
| 23 | 1317.76 | 2°23'50"   |
| 24 | 486.35  | 93°38'26"  |
| 25 | 29.86   | 359°46'32" |
| 26 | 47.38   | 278°46'45" |
| 27 | 76.82   | 357°10'04" |
| 28 | 96.7    | 279°11'06" |
| 29 | 25      | 6°25'15"   |
| 30 | 24.41   | 7°30'      |
| 31 | 78.07   | 84°56'49"  |
| 32 | 21.23   | 53°01'47"  |
| 33 | 12.86   | 51°59'30"  |
| 34 | 45.23   | 328°37'07" |
| 35 | 41.88   | 2°08'49"   |
| 36 | 39.02   | 12°58'44"  |
| 37 | 33.05   | 106°10'39" |

| №  | Длина   | Дир. угол  |
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| 38 | 29.14   | 169°56'11" |
| 39 | 23.86   | 95°39'56"  |
| 40 | 2812.9  | 1°59'50"   |
| 41 | 1276.98 | 276°28'34" |
| 42 | 1085.71 | 6°34'53"   |
| 43 | 1044.23 | 275°02'54" |
| 44 | 1477.46 | 188°51'41" |
| 45 | 1250.07 | 281°53'21" |
| 46 | 855.76  | 297°37'43" |
| 47 | 26.02   | 288°55'45" |
| 48 | 92.13   | 2°57'17"   |
| 49 | 901.21  | 5°55'43"   |
| 50 | 289.76  | 275°48'43" |
| 51 | 220.97  | 275°15'33" |
| 52 | 308.65  | 275°52'24" |
| 53 | 247.26  | 275°06'21" |
| 54 | 349.81  | 275°46'57" |
| 55 | 334.82  | 275°47'06" |
| 56 | 217.98  | 274°58'15" |
| 57 | 87.47   | 273°21'42" |
| 58 | 19.46   | 277°27'32" |
| 59 | 18.06   | 289°38'45" |
| 60 | 24.64   | 297°41'47" |
| 61 | 27.83   | 300°18'42" |
| 62 | 172.9   | 308°18'46" |
| 63 | 121.35  | 307°53'23" |
| 64 | 28.09   | 296°28'16" |
| 65 | 35.49   | 286°34'52" |
| 66 | 35.52   | 280°38'25" |
| 67 | 42.34   | 185°52'08" |
| 68 | 7.72    | 91°21'04"  |
| 69 | 106.05  | 183°37'51" |
| 70 | 261.82  | 274°47'13" |
| 71 | 25.52   | 185°55'13" |
| 72 | 41.31   | 272°36'31" |
| 73 | 15.46   | 190°15'57" |
| 74 | 103.21  | 275°27'03" |

| №   | Длина   | Дир. угол  |
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| 75  | 22.38   | 187°23'35" |
| 76  | 72.48   | 281°59'20" |
| 77  | 21.94   | 280°48'31" |
| 78  | 12.47   | 296°06'33" |
| 79  | 89.83   | 10°07'40"  |
| 80  | 13.62   | 5°59'55"   |
| 81  | 21.48   | 6°09'23"   |
| 82  | 185.05  | 279°39'39" |
| 83  | 298.51  | 276°33'23" |
| 84  | 151.17  | 9°16'15"   |
| 85  | 28.5    | 89°51'12"  |
| 86  | 488.58  | 6°08'24"   |
| 87  | 7.24    | 292°53'50" |
| 88  | 9.92    | 308°40'05" |
| 89  | 6.82    | 325°31'39" |
| 90  | 4.59    | 325°15'41" |
| 91  | 11.88   | 327°10'18" |
| 92  | 11.96   | 352°13'42" |
| 93  | 14.45   | 352°23'39" |
| 94  | 6.44    | 276°45'56" |
| 95  | 13.46   | 6°42'36"   |
| 96  | 6.57    | 293°15'37" |
| 97  | 32.73   | 6°47'42"   |
| 98  | 349.21  | 288°02'21" |
| 99  | 108.68  | 2°58'48"   |
| 100 | 77.64   | 4°48'30"   |
| 101 | 373.32  | 4°38'10"   |
| 102 | 369.96  | 4°20'13"   |
| 103 | 794.41  | 95°35'39"  |
| 104 | 247.05  | 95°35'32"  |
| 105 | 1379.31 | 6°48'30"   |
| 106 | 11.49   | 276°36'52" |
| 107 | 746.1   | 5°00'13"   |
| 108 | 283.75  | 273°20'56" |
| 109 | 229.77  | 276°15'55" |
| 110 | 246.74  | 276°16'04" |
| 111 | 296.87  | 274°45'28" |

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| 112 | 220.77 | 276°47'41" |
| 113 | 194.55 | 5°12'36"   |
| 114 | 222.49 | 5°54'07"   |
| 115 | 257.97 | 6°44'57"   |
| 116 | 303.22 | 6°30'02"   |
| 117 | 119.79 | 5°51'45"   |
| 118 | 49.1   | 6°55'48"   |
| 119 | 283.05 | 6°06'01"   |
| 120 | 735.46 | 6°00'49"   |
| 121 | 406.98 | 6°08'      |
| 122 | 469.84 | 5°48'42"   |
| 123 | 201.17 | 5°56'21"   |
| 124 | 181.91 | 95°57'44"  |
| 125 | 147.55 | 96°37'51"  |
| 126 | 207.44 | 4°45'10"   |
| 127 | 199.11 | 5°48'20"   |
| 128 | 80.18  | 6°07'59"   |
| 129 | 120.17 | 5°30'54"   |
| 130 | 171.17 | 6°01'15"   |
| 131 | 296.61 | 5°08'26"   |
| 132 | 298.12 | 5°08'      |
| 133 | 126.08 | 5°07'50"   |
| 134 | 321.91 | 5°07'48"   |
| 135 | 222.03 | 5°38'33"   |
| 136 | 174.54 | 4°44'05"   |
| 137 | 69.52  | 273°28'57" |
| 138 | 103.23 | 272°16'32" |
| 139 | 128.5  | 272°07'38" |
| 140 | 91.75  | 273°36'32" |
| 141 | 26.68  | 62°29'17"  |
| 142 | 59.58  | 57°08'37"  |
| 143 | 55.24  | 46°52'56"  |
| 144 | 36.13  | 65°34'44"  |
| 145 | 27.93  | 45°40'23"  |
| 146 | 29.51  | 47°27'33"  |
| 147 | 46.69  | 63°32'13"  |
| 148 | 47.65  | 52°18'23"  |
| 149 | 39.36  | 53°12'07"  |
| 150 | 61.47  | 38°18'07"  |
| 151 | 31.07  | 33°08'12"  |
| 152 | 21.25  | 16°05'49"  |
| 153 | 29.67  | 4°50'50"   |
| 154 | 14.34  | 345°07'29" |
| 155 | 7.61   | 327°21'39" |
| 156 | 18.56  | 358°32'    |
| 157 | 15.14  | 22°08'17"  |
| 158 | 22.83  | 40°03'54"  |

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| 159 | 18.35 | 73°08'21"  |
| 160 | 44.75 | 82°33'59"  |
| 161 | 25.87 | 93°55'53"  |
| 162 | 26.26 | 63°12'38"  |
| 163 | 24.84 | 60°04'40"  |
| 164 | 41.09 | 31°15'49"  |
| 165 | 45.2  | 32°48'39"  |
| 166 | 29.25 | 34°09'26"  |
| 167 | 17.78 | 33°28'25"  |
| 168 | 27.66 | 28°42'37"  |
| 169 | 19.98 | 42°23'09"  |
| 170 | 39.11 | 44°50'56"  |
| 171 | 26.51 | 29°26'39"  |
| 172 | 37.48 | 17°47'09"  |
| 173 | 29.35 | 43°54'43"  |
| 174 | 30.36 | 23°36'12"  |
| 175 | 22.08 | 41°20'02"  |
| 176 | 18    | 13°39'07"  |
| 177 | 21.55 | 31°29'39"  |
| 178 | 30.98 | 56°21'22"  |
| 179 | 42.45 | 44°55'59"  |
| 180 | 53.07 | 40°45'12"  |
| 181 | 43.51 | 56°07'48"  |
| 182 | 34.92 | 43°35'07"  |
| 183 | 41.21 | 57°43'11"  |
| 184 | 25.58 | 39°23'19"  |
| 185 | 5.92  | 57°30'13"  |
| 186 | 7.06  | 53°24'09"  |
| 187 | 36.8  | 47°38'43"  |
| 188 | 31.45 | 66°35'42"  |
| 189 | 40.52 | 78°15'45"  |
| 190 | 36.29 | 96°59'19"  |
| 191 | 40.77 | 74°23'52"  |
| 192 | 61.9  | 64°31'27"  |
| 193 | 42.16 | 63°59'06"  |
| 194 | 26.44 | 51°59'35"  |
| 195 | 15.29 | 6°56'19"   |
| 196 | 20.46 | 349°14'41" |
| 197 | 37.1  | 36°11'18"  |
| 198 | 28.84 | 48°53'08"  |
| 199 | 25.48 | 32°45'50"  |
| 200 | 9.55  | 56°25'05"  |
| 201 | 12.31 | 112°50'26" |
| 202 | 19.26 | 126°07'13" |
| 203 | 18.05 | 24°02'45"  |
| 204 | 22.11 | 11°15'     |

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| 205 | 25.06 | 15°33'19"  |
| 206 | 35.73 | 49°44'55"  |
| 207 | 32.52 | 52°19'41"  |
| 208 | 21.27 | 30°19'37"  |
| 209 | 21.51 | 4°49'38"   |
| 210 | 19.9  | 40°36'34"  |
| 211 | 47.37 | 58°06'01"  |
| 212 | 15.79 | 82°38'37"  |
| 213 | 21.85 | 40°02'32"  |
| 214 | 14.19 | 81°44'52"  |
| 215 | 30.52 | 60°43'06"  |
| 216 | 19.18 | 97°22'11"  |
| 217 | 21.72 | 122°11'42" |
| 218 | 18.66 | 100°11'35" |
| 219 | 29.45 | 68°01'19"  |
| 220 | 36    | 35°29'42"  |
| 221 | 19.13 | 17°52'27"  |
| 222 | 25.34 | 2°07'42"   |
| 223 | 15.62 | 22°14'     |
| 224 | 25.55 | 62°42'32"  |
| 225 | 30.15 | 60°21'34"  |
| 226 | 32.32 | 35°21'38"  |
| 227 | 19.37 | 20°00'27"  |
| 228 | 23.07 | 46°01'32"  |
| 229 | 39.99 | 47°02'41"  |
| 230 | 33.43 | 39°52'33"  |
| 231 | 21.65 | 41°11'04"  |
| 232 | 22.47 | 27°55'37"  |
| 233 | 44.08 | 9°58'44"   |
| 234 | 15.31 | 110°10'05" |
| 235 | 20.41 | 110°03'21" |
| 236 | 16.31 | 98°47'38"  |
| 237 | 19.12 | 100°22'39" |
| 238 | 13.61 | 100°15'35" |
| 239 | 16.21 | 57°10'15"  |
| 240 | 12.94 | 57°12'23"  |
| 241 | 25.08 | 25°09'12"  |
| 242 | 24.3  | 25°58'43"  |
| 243 | 23.25 | 28°23'15"  |
| 244 | 30.39 | 19°53'32"  |
| 245 | 26.94 | 19°15'44"  |
| 246 | 30.36 | 19°50'17"  |
| 247 | 16.48 | 18°16'52"  |
| 248 | 19.71 | 18°04'12"  |
| 249 | 24.83 | 13°24'42"  |
| 250 | 22.42 | 12°22'13"  |

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| 251 | 18.07 | 15°10'07"  |
| 252 | 21.72 | 8°01'35"   |
| 253 | 23.03 | 14°22'07"  |
| 254 | 21.34 | 15°29'42"  |
| 255 | 21.59 | 17°46'37"  |
| 256 | 19.86 | 19°14'33"  |
| 257 | 19.86 | 19°19'44"  |
| 258 | 14.18 | 19°18'55"  |
| 259 | 18.16 | 9°22'23"   |
| 260 | 17.96 | 3°40'03"   |
| 261 | 17.1  | 3°58'52"   |
| 262 | 16.33 | 10°13'28"  |
| 263 | 15.37 | 7°35'10"   |
| 264 | 16.38 | 10°21'52"  |
| 265 | 16.77 | 16°20'13"  |
| 266 | 13.08 | 16°52'20"  |
| 267 | 17.88 | 18°23'44"  |
| 268 | 16.48 | 23°14'18"  |
| 269 | 17.02 | 19°15'54"  |
| 270 | 16.77 | 16°24'57"  |
| 271 | 18.15 | 9°23'55"   |
| 272 | 16.77 | 16°20'13"  |
| 273 | 15.27 | 357°28'39" |
| 274 | 17.05 | 0°53'01"   |
| 275 | 12.59 | 4°53'19"   |
| 276 | 16.93 | 32°50'46"  |
| 277 | 18.49 | 30°01'10"  |
| 278 | 14.85 | 25°47'19"  |
| 279 | 11.73 | 33°16'46"  |
| 280 | 19.02 | 45°55'36"  |
| 281 | 17.82 | 49°55'34"  |
| 282 | 14.61 | 48°21'06"  |
| 283 | 14.58 | 43°20'07"  |
| 284 | 16.18 | 34°37'01"  |
| 285 | 18.68 | 36°04'30"  |
| 286 | 19.91 | 36°40'02"  |
| 287 | 14.71 | 38°29'03"  |
| 288 | 14.03 | 40°37'45"  |
| 289 | 16.16 | 57°07'31"  |
| 290 | 12.76 | 51°36'04"  |
| 291 | 15.71 | 59°56'54"  |
| 292 | 17.69 | 60°18'47"  |
| 293 | 16.51 | 68°31'01"  |
| 294 | 16.48 | 61°31'02"  |
| 295 | 22.47 | 62°14'36"  |
| 296 | 13.71 | 32°26'06"  |

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| 297 | 19.17  | 38°15'07"  |
| 298 | 16.7   | 37°11'08"  |
| 299 | 16.19  | 34°32'14"  |
| 300 | 19.67  | 25°04'56"  |
| 301 | 16.47  | 30°11'03"  |
| 302 | 15.72  | 31°50'20"  |
| 303 | 12.17  | 36°55'45"  |
| 304 | 15.89  | 48°08'13"  |
| 305 | 15.22  | 45°47'46"  |
| 306 | 13.46  | 54°08'11"  |
| 307 | 15.88  | 43°33'50"  |
| 308 | 25.68  | 37°16'24"  |
| 309 | 39.56  | 33°49'50"  |
| 310 | 48.13  | 327°13'08" |
| 311 | 29.64  | 12°25'30"  |
| 312 | 23.68  | 15°05'     |
| 313 | 16.81  | 356°50'55" |
| 314 | 15.74  | 2°57'09"   |
| 315 | 27.08  | 50°34'26"  |
| 316 | 25.02  | 52°13'19"  |
| 317 | 22.33  | 67°55'41"  |
| 318 | 24.75  | 40°46'21"  |
| 319 | 29.18  | 48°50'15"  |
| 320 | 18.26  | 39°43'28"  |
| 321 | 23.16  | 45°33'41"  |
| 322 | 10.31  | 27°44'01"  |
| 323 | 23.79  | 32°18'25"  |
| 324 | 20.82  | 16°01'58"  |
| 325 | 24.45  | 32°47'07"  |
| 326 | 36.84  | 55°39'11"  |
| 327 | 29.23  | 57°37'27"  |
| 328 | 22.29  | 54°57'12"  |
| 329 | 13.45  | 38°26'54"  |
| 330 | 12.59  | 46°53'34"  |
| 331 | 53.11  | 274°13'03" |
| 332 | 220.89 | 277°50'58" |
| 333 | 189.89 | 278°13'46" |
| 334 | 208.89 | 280°46'30" |
| 335 | 249.99 | 8°00'09"   |
| 336 | 156.32 | 52°07'33"  |
| 337 | 74.79  | 52°06'52"  |
| 338 | 95.57  | 355°47'11" |
| 339 | 218.86 | 356°43'35" |
| 340 | 241.94 | 357°47'25" |
| 341 | 31.66  | 358°38'40" |
| 342 | 113.72 | 115°51'37" |

|     |        |            |
|-----|--------|------------|
| 343 | 84.71  | 24°22'34"  |
| 344 | 175.46 | 24°22'53"  |
| 345 | 432.26 | 24°57'57"  |
| 346 | 165.8  | 23°56'44"  |
| 347 | 171.32 | 25°00'57"  |
| 348 | 127.34 | 24°06'01"  |
| 349 | 28.61  | 39°35'08"  |
| 350 | 46.12  | 38°20'55"  |
| 351 | 96.03  | 38°18'43"  |
| 352 | 429.47 | 110°06'33" |
| 353 | 152.4  | 34°35'50"  |
| 354 | 43.64  | 34°34'45"  |
| 355 | 183.06 | 345°41'26" |
| 356 | 26.21  | 345°40'48" |
| 357 | 84.35  | 345°41'15" |
| 358 | 21.82  | 345°41'03" |
| 359 | 41.76  | 345°41'22" |
| 360 | 6.45   | 345°44'22" |
| 361 | 19.87  | 345°40'30" |
| 362 | 163.79 | 6°13'16"   |
| 363 | 35.55  | 29°34'57"  |
| 364 | 9.8    | 37°05'15"  |
| 365 | 379.1  | 29°22'55"  |
| 366 | 64.04  | 29°34'40"  |
| 367 | 162.32 | 18°22'23"  |
| 368 | 220.4  | 27°36'28"  |
| 369 | 114.65 | 17°54'27"  |
| 370 | 6.32   | 17°49'58"  |
| 371 | 75.2   | 17°54'51"  |
| 372 | 2.06   | 17°39'35"  |
| 373 | 159.83 | 17°54'31"  |
| 374 | 9.03   | 17°52'09"  |
| 375 | 37.39  | 17°54'15"  |
| 376 | 4.83   | 146°28'04" |
| 377 | 271.5  | 146°30'19" |
| 378 | 539.32 | 146°07'13" |
| 379 | 173.16 | 147°52'40" |
| 380 | 403.8  | 154°59'24" |
| 381 | 73.63  | 151°57'31" |
| 382 | 139.41 | 109°17'10" |
| 383 | 65.27  | 107°48'10" |
| 384 | 37.44  | 10°03'19"  |
| 385 | 287.35 | 6°16'36"   |
| 386 | 382.94 | 5°10'32"   |
| 387 | 31.25  | 6°14'06"   |
| 388 | 191.44 | 4°46'54"   |

|     |         |            |
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| 389 | 49.78   | 11°07'38"  |
| 390 | 505.91  | 134°52'37" |
| 391 | 285.88  | 134°50'25" |
| 392 | 28.44   | 134°49'40" |
| 393 | 50.74   | 134°51'05" |
| 394 | 129.28  | 134°45'23" |
| 395 | 25.57   | 135°12'21" |
| 396 | 17.19   | 136°15'22" |
| 397 | 31.13   | 134°06'30" |
| 398 | 14.15   | 135°18'03" |
| 399 | 10.57   | 134°51'30" |
| 400 | 26.91   | 338°10'14" |
| 401 | 22.39   | 339°52'22" |
| 402 | 15.46   | 344°48'38" |
| 403 | 14.56   | 345°42'22" |
| 404 | 15.1    | 350°43'36" |
| 405 | 39.65   | 353°03'47" |
| 406 | 88.87   | 358°08'09" |
| 407 | 102.45  | 357°46'07" |
| 408 | 100.93  | 356°08'12" |
| 409 | 30.31   | 351°51'08" |
| 410 | 155.48  | 350°46'45" |
| 411 | 332.55  | 50°01'25"  |
| 412 | 374.83  | 139°43'04" |
| 413 | 687.53  | 139°18'43" |
| 414 | 907.76  | 49°35'13"  |
| 415 | 1075.56 | 138°54'26" |
| 416 | 234.93  | 48°42'32"  |
| 417 | 672.12  | 49°57'57"  |
| 418 | 895.49  | 49°42'02"  |
| 419 | 578.22  | 49°34'03"  |
| 420 | 207.21  | 46°13'32"  |
| 421 | 48.63   | 45°15'09"  |
| 422 | 29.4    | 36°41'26"  |
| 423 | 13.15   | 51°57'51"  |
| 424 | 15.67   | 44°54'25"  |
| 425 | 30.61   | 43°50'31"  |
| 426 | 254.31  | 47°45'48"  |
| 427 | 366.11  | 49°03'27"  |
| 428 | 203.31  | 51°02'16"  |
| 429 | 26.26   | 48°59'47"  |
| 430 | 15.65   | 46°11'28"  |
| 431 | 23.47   | 42°07'11"  |
| 432 | 162.4   | 44°29'24"  |
| 433 | 5.71    | 344°25'41" |
| 434 | 28.09   | 27°21'51"  |

|     |        |            |
|-----|--------|------------|
| 435 | 15.67  | 9°21'21"   |
| 436 | 31.68  | 347°28'18" |
| 437 | 31.16  | 353°41'08" |
| 438 | 44.36  | 351°04'18" |
| 439 | 14.63  | 3°19'07"   |
| 440 | 27.52  | 345°31'41" |
| 441 | 51.76  | 355°15'31" |
| 442 | 46.79  | 352°36'03" |
| 443 | 45.86  | 347°00'07" |
| 444 | 29.7   | 337°55'05" |
| 445 | 32.44  | 328°00'25" |
| 446 | 36.88  | 332°13'51" |
| 447 | 18.12  | 354°32'37" |
| 448 | 20.82  | 38°14'06"  |
| 449 | 13.56  | 34°42'18"  |
| 450 | 61.78  | 351°10'49" |
| 451 | 76.81  | 354°52'10" |
| 452 | 46.22  | 350°21'23" |
| 453 | 36.27  | 346°19'12" |
| 454 | 44.37  | 351°04'46" |
| 455 | 44.74  | 356°42'26" |
| 456 | 40.87  | 345°20'47" |
| 457 | 28.68  | 351°26'05" |
| 458 | 42.27  | 355°20'04" |
| 459 | 30.17  | 339°59'57" |
| 460 | 34.32  | 337°57'41" |
| 461 | 15.59  | 353°33'37" |
| 462 | 17.93  | 16°46'35"  |
| 463 | 56.83  | 349°31'54" |
| 464 | 14.71  | 353°11'10" |
| 465 | 13.99  | 349°24'55" |
| 466 | 24.13  | 355°55'30" |
| 467 | 34.05  | 349°47'53" |
| 468 | 60.53  | 348°32'14" |
| 469 | 32.68  | 358°29'43" |
| 470 | 17.82  | 343°21'02" |
| 471 | 39.45  | 38°51'35"  |
| 472 | 44.88  | 294°46'50" |
| 473 | 22     | 289°46'44" |
| 474 | 40.66  | 280°49'46" |
| 475 | 50.41  | 275°57'50" |
| 476 | 43.38  | 274°14'08" |
| 477 | 164.81 | 273°27'13" |
| 478 | 197.94 | 275°33'50" |
| 479 | 605.83 | 275°07'59" |
| 480 | 297.72 | 275°26'57" |

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| 481 | 146.51 | 275°17'47" |
| 482 | 52.75  | 268°16'29" |
| 483 | 19.66  | 251°35'01" |
| 484 | 43.65  | 252°25'23" |
| 485 | 5.97   | 252°25'05" |
| 486 | 23.93  | 246°03'01" |
| 487 | 46.22  | 243°25'16" |
| 488 | 133.82 | 238°59'33" |
| 489 | 29.31  | 238°31'50" |
| 490 | 12.32  | 238°43'19" |
| 491 | 18.98  | 238°11'40" |
| 492 | 12.15  | 237°51'40" |
| 493 | 265.08 | 237°57'05" |
| 494 | 293.95 | 237°51'59" |
| 495 | 298.22 | 238°21'41" |
| 496 | 169.62 | 239°38'01" |
| 497 | 50.92  | 245°04'39" |
| 498 | 74.25  | 251°58'33" |
| 499 | 45.42  | 259°17'14" |
| 500 | 37.63  | 272°31'47" |
| 501 | 68.61  | 273°22'45" |
| 502 | 151.5  | 272°43'59" |
| 503 | 184.16 | 272°01'26" |
| 504 | 125.19 | 273°16'15" |
| 505 | 88.3   | 267°23'47" |
| 506 | 2.39   | 267°27'30" |
| 507 | 112.16 | 264°23'03" |
| 508 | 32.34  | 264°12'31" |
| 509 | 40.28  | 261°30'58" |
| 510 | 8.59   | 269°35'11" |
| 511 | 82.68  | 269°36'11" |
| 512 | 89.06  | 271°19'52" |
| 513 | 159.97 | 279°22'20" |
| 514 | 39.03  | 279°16'41" |
| 515 | 26.3   | 280°05'17" |
| 516 | 109.23 | 280°14'38" |
| 517 | 38.01  | 277°29'31" |
| 518 | 55.94  | 273°11'29" |
| 519 | 148.96 | 273°11'34" |
| 520 | 108.76 | 272°39'45" |
| 521 | 31.11  | 279°01'28" |
| 522 | 81.38  | 270°43'20" |
| 523 | 316.16 | 272°23'36" |
| 524 | 424.17 | 272°27'07" |
| 525 | 101.25 | 272°45'31" |
| 526 | 47.91  | 273°18'09" |

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| 527 | 33.82  | 274°15'31" |
| 528 | 38.9   | 280°23'41" |
| 529 | 18.23  | 288°47'41" |
| 530 | 25.54  | 294°17'59" |
| 531 | 28.93  | 306°01'55" |
| 532 | 29.09  | 316°17'13" |
| 533 | 57.22  | 250°14'30" |
| 534 | 4.51   | 244°59'05" |
| 535 | 13.24  | 244°39'35" |
| 536 | 30.08  | 241°03'14" |
| 537 | 21.05  | 265°26'13" |
| 538 | 18.71  | 269°28'24" |
| 539 | 5.13   | 270°       |
| 540 | 5.85   | 281°13'11" |
| 541 | 23.46  | 281°15'09" |
| 542 | 54.62  | 295°31'28" |
| 543 | 66.49  | 293°00'06" |
| 544 | 103.64 | 239°42'47" |
| 545 | 15.26  | 166°42'28" |
| 546 | 14.9   | 120°39'33" |
| 547 | 21.88  | 88°40'20"  |
| 548 | 19.05  | 157°04'23" |
| 549 | 17.04  | 221°25'16" |
| 550 | 61.26  | 265°39'25" |
| 551 | 19.26  | 254°12'30" |
| 552 | 22.86  | 225°43'11" |
| 553 | 44.03  | 193°37'51" |
| 554 | 49.78  | 202°40'43" |
| 555 | 8.63   | 190°29'08" |
| 556 | 60.87  | 296°03'08" |
| 557 | 32.55  | 191°46'39" |
| 558 | 15.23  | 234°28'22" |
| 559 | 16.43  | 250°05'04" |
| 560 | 19.6   | 249°19'04" |
| 561 | 19.57  | 210°39'32" |
| 562 | 8.85   | 358°07'42" |
| 563 | 36.91  | 344°43'56" |
| 564 | 29.25  | 348°19'51" |
| 565 | 26.08  | 346°27'08" |
| 566 | 25.15  | 342°33'36" |
| 567 | 23.9   | 8°00'29"   |
| 568 | 27.63  | 325°09'43" |
| 569 | 29.78  | 327°25'08" |
| 570 | 29.36  | 326°57'34" |
| 571 | 51.82  | 327°48'15" |
| 572 | 30.76  | 333°33'36" |

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| 573 | 15.23  | 239°52'48" |
| 574 | 18.27  | 252°53'47" |
| 575 | 15.04  | 214°22'52" |
| 576 | 34.87  | 260°40'30" |
| 577 | 37.45  | 248°29'37" |
| 578 | 26.59  | 236°49'02" |
| 579 | 94.47  | 243°25'23" |
| 580 | 69.95  | 247°01'29" |
| 581 | 29.5   | 264°47'23" |
| 582 | 25.69  | 271°18'10" |
| 583 | 33.73  | 295°53'20" |
| 584 | 172    | 294°51'04" |
| 585 | 138.39 | 294°14'02" |
| 586 | 119.5  | 277°33'40" |
| 587 | 98.79  | 272°54'42" |
| 588 | 54.9   | 268°27'56" |
| 589 | 44.43  | 255°56'18" |
| 590 | 60.74  | 239°15'15" |
| 591 | 53.72  | 238°07'25" |
| 592 | 25.77  | 240°14'12" |
| 593 | 43.39  | 245°36'12" |
| 594 | 31.43  | 242°30'05" |
| 595 | 51.85  | 237°39'18" |
| 596 | 52.05  | 226°49'46" |
| 597 | 48.03  | 212°59'17" |
| 598 | 33.66  | 344°24'10" |
| 599 | 19.95  | 323°40'39" |
| 600 | 29.24  | 305°00'48" |
| 601 | 33.85  | 329°03'51" |
| 602 | 31.82  | 337°00'42" |
| 603 | 15.65  | 1°14'42"   |
| 604 | 54.05  | 245°59'17" |
| 605 | 50.41  | 345°03'    |
| 606 | 36.41  | 346°56'22" |
| 607 | 87.01  | 334°27'18" |
| 608 | 569.35 | 335°09'48" |
| 609 | 26.79  | 324°07'11" |
| 610 | 9.95   | 324°07'20" |
| 611 | 11.65  | 342°58'14" |
| 612 | 4.27   | 342°32'42" |
| 613 | 163.23 | 35°29'52"  |
| 614 | 153.77 | 38°50'35"  |
| 615 | 42.54  | 355°52'55" |
| 616 | 76.16  | 354°28'01" |
| 617 | 62.13  | 288°16'41" |
| 618 | 12.48  | 357°40'15" |

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| 619 | 19.45  | 0°41'22"   |
| 620 | 587.01 | 1°30'01"   |
| 621 | 19.47  | 70°07'04"  |
| 622 | 45.18  | 70°57'31"  |
| 623 | 136.99 | 333°36'06" |
| 624 | 73.71  | 329°09'13" |
| 625 | 89.28  | 342°48'08" |
| 626 | 55.35  | 358°56'01" |
| 627 | 34.8   | 32°52'40"  |
| 628 | 60.43  | 348°30'59" |
| 629 | 70.82  | 68°19'45"  |
| 630 | 42.89  | 42°48'01"  |
| 631 | 50.78  | 71°44'20"  |
| 632 | 87.93  | 81°12'56"  |
| 633 | 45.85  | 40°58'53"  |
| 634 | 30.92  | 18°12'25"  |
| 635 | 56.47  | 331°18'03" |
| 636 | 21.09  | 6°22'54"   |
| 637 | 38.47  | 41°23'12"  |
| 638 | 21.28  | 59°50'20"  |
| 639 | 277.17 | 64°46'     |
| 640 | 265.47 | 156°13'31" |
| 641 | 292.33 | 151°02'40" |
| 642 | 32.56  | 159°33'16" |
| 643 | 37.35  | 184°20'54" |
| 644 | 276.63 | 149°25'47" |
| 645 | 124.77 | 122°27'14" |
| 646 | 155.48 | 63°55'04"  |
| 647 | 157.79 | 335°34'24" |
| 648 | 130.79 | 331°20'57" |
| 649 | 111.25 | 58°42'24"  |
| 650 | 33.22  | 63°48'44"  |
| 651 | 40.35  | 78°52'51"  |
| 652 | 113.58 | 330°29'39" |
| 653 | 330.15 | 330°31'08" |
| 654 | 44.1   | 0°00'19"   |
| 655 | 20.72  | 26°54'32"  |
| 656 | 152.85 | 27°15'06"  |
| 657 | 225.7  | 349°29'52" |
| 658 | 128.36 | 349°30'33" |
| 659 | 9.22   | 349°38'48" |
| 660 | 34.42  | 266°25'33" |
| 661 | 36.27  | 266°26'02" |
| 662 | 66.14  | 323°07'51" |
| 663 | 184.28 | 248°57'33" |
| 664 | 138.42 | 300°38'57" |

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| 665 | 270.69 | 258°31'13" |
| 666 | 75.9   | 258°28'23" |
| 667 | 133.91 | 258°31'39" |
| 668 | 474.28 | 258°31'24" |
| 669 | 16.75  | 271°11'50" |
| 670 | 14     | 338°49'15" |
| 671 | 83.72  | 341°35'42" |
| 672 | 35.63  | 341°06'51" |
| 673 | 16.46  | 67°20'02"  |
| 674 | 470.5  | 65°39'11"  |
| 675 | 17.52  | 65°39'22"  |
| 676 | 21.85  | 65°36'19"  |
| 677 | 135.27 | 65°39'34"  |
| 678 | 160.84 | 65°39'13"  |
| 679 | 3.88   | 65°37'10"  |
| 680 | 24.06  | 65°41'13"  |
| 681 | 118.67 | 41°58'31"  |
| 682 | 191.66 | 336°58'34" |
| 683 | 66.14  | 90°00'09"  |
| 684 | 149.93 | 151°55'15" |
| 685 | 304.89 | 72°20'21"  |
| 686 | 21.74  | 159°58'17" |
| 687 | 181.38 | 85°06'15"  |
| 688 | 274.86 | 67°12'01"  |
| 689 | 27.67  | 344°23'19" |
| 690 | 32.52  | 344°25'07" |
| 691 | 168.51 | 344°24'10" |
| 692 | 165.06 | 344°24'26" |
| 693 | 45.25  | 338°56'55" |
| 694 | 85.31  | 332°56'40" |
| 695 | 84.27  | 331°42'45" |
| 696 | 41.88  | 6°04'25"   |
| 697 | 96     | 64°37'12"  |
| 698 | 299.96 | 149°09'42" |
| 699 | 190.99 | 124°50'28" |
| 700 | 233.53 | 124°50'45" |
| 701 | 236.66 | 68°51'05"  |
| 702 | 74.07  | 68°49'30"  |
| 703 | 22.7   | 68°49'53"  |
| 704 | 53.12  | 68°53'26"  |
| 705 | 16.61  | 338°32'40" |
| 706 | 23.61  | 341°30'19" |
| 707 | 70.49  | 349°50'42" |
| 708 | 4.75   | 341°24'17" |
| 709 | 406.54 | 341°29'32" |
| 710 | 27.77  | 276°50'48" |

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| 711 | 15.78  | 204°45'23" |
| 712 | 8.01   | 267°12'38" |
| 713 | 73.67  | 267°17'35" |
| 714 | 186.53 | 6°47'11"   |
| 715 | 75.48  | 108°17'45" |
| 716 | 84.81  | 181°34'06" |
| 717 | 25.68  | 187°08'41" |
| 718 | 59.1   | 98°34'34"  |
| 719 | 511.78 | 161°03'52" |
| 720 | 48.88  | 161°04'30" |
| 721 | 639.34 | 70°31'48"  |
| 722 | 134.79 | 70°32'24"  |
| 723 | 154.8  | 71°18'26"  |
| 724 | 47.6   | 13°23'06"  |
| 725 | 24.65  | 26°35'43"  |
| 726 | 31.81  | 56°18'     |
| 727 | 376.22 | 70°40'46"  |
| 728 | 145.46 | 23°25'54"  |
| 729 | 91.42  | 23°25'51"  |
| 730 | 53.14  | 62°46'29"  |
| 731 | 208.44 | 143°02'21" |
| 732 | 554.12 | 82°29'07"  |
| 733 | 37.89  | 82°27'19"  |
| 734 | 15.21  | 82°36'24"  |
| 735 | 59.71  | 42°25'54"  |
| 736 | 80.74  | 42°28'11"  |
| 737 | 40.24  | 80°32'21"  |
| 738 | 7.64   | 142°54'07" |
| 739 | 8.62   | 142°59'55" |
| 740 | 14.56  | 142°54'52" |
| 741 | 9.16   | 142°56'10" |
| 742 | 62     | 93°06'54"  |
| 743 | 67.18  | 156°48'    |
| 744 | 42.03  | 184°21'29" |
| 745 | 15.99  | 184°26'21" |
| 746 | 30.12  | 214°42'48" |
| 747 | 37.13  | 257°30'54" |
| 748 | 39.39  | 141°04'14" |
| 749 | 16.16  | 218°34'58" |
| 750 | 12.07  | 218°46'32" |
| 751 | 117.04 | 273°14'15" |
| 752 | 48.58  | 309°27'49" |
| 753 | 492.97 | 238°31'39" |
| 754 | 326.54 | 238°32'28" |
| 755 | 84.45  | 208°32'15" |
| 756 | 58.62  | 208°32'16" |

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| 757 | 697.94 | 249°34'24" |
| 758 | 556.63 | 249°34'13" |
| 759 | 86.04  | 249°35'29" |
| 760 | 29.52  | 249°37'43" |
| 761 | 438.66 | 173°07'33" |
| 762 | 244.09 | 173°07'30" |
| 763 | 38.23  | 151°52'26" |
| 764 | 408.24 | 151°53'    |
| 765 | 165.68 | 151°51'39" |
| 766 | 368.27 | 151°52'44" |
| 767 | 34.31  | 151°58'07" |
| 768 | 31.19  | 151°01'    |
| 769 | 62.22  | 151°51'46" |
| 770 | 362.73 | 151°51'18" |
| 771 | 335.52 | 151°56'07" |
| 772 | 414.92 | 151°56'13" |
| 773 | 165.53 | 228°14'17" |
| 774 | 612.53 | 162°15'35" |
| 775 | 38.86  | 162°10'48" |
| 776 | 41.41  | 156°04'17" |
| 777 | 30.89  | 242°31'54" |
| 778 | 27.52  | 242°31'31" |
| 779 | 7.81   | 242°35'54" |
| 780 | 13.81  | 242°33'34" |
| 781 | 41.31  | 330°52'23" |
| 782 | 19.23  | 304°30'    |
| 783 | 8.25   | 322°42'19" |
| 784 | 369.07 | 323°04'38" |
| 785 | 172.72 | 323°44'47" |
| 786 | 321.92 | 269°59'54" |
| 787 | 145.73 | 246°52'30" |
| 788 | 49.33  | 246°56'59" |
| 789 | 41.67  | 246°53'31" |
| 790 | 33.29  | 246°52'28" |
| 791 | 96.5   | 241°02'08" |
| 792 | 24.85  | 189°58'53" |
| 793 | 19.35  | 333°56'31" |
| 794 | 11.22  | 241°01'29" |
| 795 | 65.14  | 331°14'28" |
| 796 | 99.96  | 331°09'49" |
| 797 | 19.22  | 331°57'57" |
| 798 | 181.31 | 331°31'50" |
| 799 | 60.7   | 331°02'23" |
| 800 | 18.39  | 27°50'45"  |
| 801 | 35.43  | 332°35'56" |
| 802 | 10.32  | 171°39'48" |

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| 803 | 231.07 | 175°47'15" |
| 804 | 48.96  | 171°55'01" |
| 805 | 42.18  | 165°57'45" |
| 806 | 38.56  | 160°21'48" |
| 807 | 23.48  | 158°20'53" |
| 808 | 22.46  | 154°42'18" |
| 809 | 14.41  | 154°41'37" |
| 810 | 34.01  | 151°36'22" |
| 811 | 37.28  | 151°34'15" |
| 812 | 12.95  | 151°34'45" |
| 813 | 85.8   | 151°35'26" |
| 814 | 62.09  | 149°24'45" |
| 815 | 46.84  | 146°37'52" |
| 816 | 29.21  | 140°52'54" |
| 817 | 23.63  | 137°37'04" |
| 818 | 27.95  | 132°04'24" |
| 819 | 77.45  | 132°03'23" |
| 820 | 86.01  | 132°04'08" |
| 821 | 132.27 | 92°55'58"  |
| 822 | 424.06 | 92°27'10"  |
| 823 | 315.79 | 92°23'34"  |
| 824 | 82.84  | 90°43'47"  |
| 825 | 31.5   | 98°59'09"  |
| 826 | 107.5  | 92°40'13"  |
| 827 | 149.08 | 93°11'45"  |
| 828 | 56.87  | 93°11'21"  |
| 829 | 39.56  | 97°31'08"  |
| 830 | 109.79 | 100°13'34" |
| 831 | 26.09  | 100°09'11" |
| 832 | 15.21  | 99°20'03"  |
| 833 | 14.36  | 99°16'13"  |
| 834 | 9.31   | 99°13'39"  |
| 835 | 158.23 | 99°22'32"  |
| 836 | 86.93  | 91°19'06"  |
| 837 | 89.13  | 89°35'12"  |
| 838 | 39.1   | 81°31'47"  |
| 839 | 32.93  | 84°12'20"  |
| 840 | 72.25  | 84°23'03"  |
| 841 | 38.67  | 84°22'52"  |
| 842 | 2.17   | 84°30'35"  |
| 843 | 92.51  | 89°16'11"  |
| 844 | 27.15  | 93°16'06"  |
| 845 | 90.7   | 93°16'33"  |
| 846 | 6.56   | 93°14'58"  |
| 847 | 185.52 | 92°02'11"  |
| 848 | 151.76 | 92°43'51"  |

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| 849 | 68.56  | 93°21'59"  |
| 850 | 34.93  | 92°32'18"  |
| 851 | 41.44  | 79°18'45"  |
| 852 | 71.51  | 71°57'38"  |
| 853 | 48.55  | 65°04'50"  |
| 854 | 168.35 | 59°38'01"  |
| 855 | 297.88 | 58°21'46"  |
| 856 | 231.86 | 57°52'     |
| 857 | 6.2    | 57°53'37"  |
| 858 | 55.82  | 57°51'47"  |
| 859 | 287.08 | 57°57'09"  |
| 860 | 52.17  | 58°33'32"  |
| 861 | 133.67 | 58°59'10"  |
| 862 | 48.09  | 63°27'30"  |
| 863 | 25.13  | 66°01'31"  |
| 864 | 50.68  | 72°27'33"  |
| 865 | 18.65  | 71°33'47"  |
| 866 | 22.16  | 85°14'25"  |
| 867 | 39.11  | 88°16'21"  |
| 868 | 147.91 | 95°18'03"  |
| 869 | 297.66 | 95°26'44"  |
| 870 | 596.09 | 95°07'29"  |
| 871 | 101.57 | 95°41'32"  |
| 872 | 94.84  | 95°41'07"  |
| 873 | 173.04 | 93°27'01"  |
| 874 | 60.38  | 94°36'26"  |
| 875 | 37.67  | 95°57'08"  |
| 876 | 16.3   | 36°37'44"  |
| 877 | 18.21  | 36°40'16"  |
| 878 | 26.97  | 16°08'50"  |
| 879 | 4.96   | 1°05'53"   |
| 880 | 19.41  | 89°45'07"  |
| 881 | 1.66   | 148°04'03" |
| 882 | 24.88  | 148°07'05" |
| 883 | 1.05   | 147°27'28" |
| 884 | 15.23  | 151°36'08" |
| 885 | 13.37  | 151°37'51" |
| 886 | 40.22  | 139°42'56" |
| 887 | 19.5   | 151°09'40" |
| 888 | 72.21  | 118°40'53" |
| 889 | 58.9   | 116°42'14" |
| 890 | 23.25  | 189°08'53" |
| 891 | 46.21  | 174°14'35" |
| 892 | 72.02  | 171°00'57" |
| 893 | 65.02  | 168°01'56" |
| 894 | 61.29  | 171°34'07" |

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| 895 | 60.06  | 169°59'10" |
| 896 | 111.36 | 171°06'08" |
| 897 | 76.5   | 168°06'59" |
| 898 | 70.51  | 170°50'17" |
| 899 | 26.19  | 178°24'10" |
| 900 | 58.67  | 165°57'11" |
| 901 | 44.67  | 171°19'48" |
| 902 | 49.02  | 172°58'41" |
| 903 | 60.78  | 170°04'30" |
| 904 | 55.81  | 173°04'54" |
| 905 | 70.02  | 169°31'03" |
| 906 | 69.06  | 170°37'30" |
| 907 | 49.21  | 171°15'16" |
| 908 | 31.78  | 165°00'58" |
| 909 | 14.11  | 149°43'13" |
| 910 | 6.03   | 134°20'04" |
| 911 | 7.22   | 147°59'04" |
| 912 | 36.97  | 169°56'09" |
| 913 | 35.39  | 168°08'11" |
| 914 | 326.29 | 180°33'39" |
| 915 | 119.47 | 185°01'23" |
| 916 | 149.8  | 194°01'35" |
| 917 | 38.2   | 174°58'25" |
| 918 | 34.3   | 174°59'22" |
| 919 | 167.37 | 175°01'29" |
| 920 | 30.37  | 79°17'06"  |
| 921 | 43.67  | 91°08'11"  |
| 922 | 29.49  | 103°39'59" |
| 923 | 22.94  | 112°31'10" |
| 924 | 31.08  | 116°06'48" |
| 925 | 69.94  | 118°25'17" |
| 926 | 37.4   | 116°18'29" |
| 927 | 37.26  | 116°16'52" |
| 928 | 43.73  | 116°16'43" |
| 929 | 32.12  | 116°15'28" |
| 930 | 16.87  | 113°23'03" |
| 931 | 17.35  | 113°14'50" |
| 932 | 35.27  | 104°41'35" |
| 933 | 41.29  | 94°54'49"  |
| 934 | 45.03  | 82°25'18"  |
| 935 | 24.6   | 72°00'57"  |
| 936 | 65.07  | 99°10'58"  |
| 937 | 59.99  | 155°35'24" |
| 938 | 81.16  | 251°36'48" |
| 939 | 150.96 | 156°53'58" |
| 940 | 15.5   | 92°40'25"  |

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| 941 | 31.7   | 62°38'52"  |
| 942 | 45.21  | 87°17'50"  |
| 943 | 20.77  | 182°02'39" |
| 944 | 174.83 | 78°24'34"  |
| 945 | 51.48  | 96°02'36"  |
| 946 | 48.63  | 72°14'26"  |
| 947 | 60.45  | 64°57'11"  |
| 948 | 30.04  | 44°26'05"  |
| 949 | 84.37  | 70°46'01"  |
| 950 | 66.08  | 75°22'58"  |
| 951 | 34.45  | 75°11'59"  |
| 952 | 41.44  | 91°33'51"  |
| 953 | 24.6   | 128°37'56" |
| 954 | 28.37  | 95°10'02"  |
| 955 | 31.98  | 53°55'45"  |
| 956 | 40.89  | 83°23'     |
| 957 | 79.17  | 68°13'44"  |
| 958 | 33.69  | 76°37'35"  |
| 959 | 47.47  | 95°46'18"  |
| 960 | 49.52  | 139°49'30" |
| 961 | 36.83  | 125°12'55" |
| 962 | 50.03  | 83°29'41"  |
| 963 | 70.26  | 58°15'21"  |
| 964 | 65.16  | 37°31'34"  |
| 965 | 67.26  | 8°26'52"   |
| 966 | 39.54  | 22°28'22"  |
| 967 | 50.74  | 71°52'22"  |
| 968 | 69.61  | 65°50'25"  |
| 969 | 53.41  | 43°24'30"  |
| 970 | 79.87  | 51°00'19"  |
| 971 | 77.09  | 13°37'52"  |
| 972 | 82.99  | 28°25'01"  |
| 973 | 76.58  | 37°39'48"  |
| 974 | 112.53 | 17°39'47"  |
| 975 | 95.66  | 35°55'54"  |
| 976 | 122.36 | 16°42'47"  |
| 977 | 81.7   | 11°51'27"  |
| 978 | 84.72  | 1°59'04"   |
| 979 | 72.68  | 345°02'14" |
| 980 | 65.16  | 8°52'33"   |
| 981 | 65.56  | 32°12'45"  |
| 982 | 74.19  | 3°20'12"   |
| 983 | 67.01  | 347°02'39" |
| 984 | 89.36  | 18°13'27"  |
| 985 | 167.93 | 42°54'26"  |
| 986 | 139.53 | 53°57'03"  |

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| 987  | 101.08 | 46°41'50"  |
| 988  | 52.57  | 58°43'13"  |
| 989  | 50.89  | 76°05'17"  |
| 990  | 43.48  | 67°28'10"  |
| 991  | 8.75   | 82°15'19"  |
| 992  | 32.36  | 96°16'04"  |
| 993  | 26.79  | 23°39'50"  |
| 994  | 46.88  | 54°48'24"  |
| 995  | 62.06  | 68°47'43"  |
| 996  | 118.38 | 84°41'15"  |
| 997  | 87.46  | 90°51'48"  |
| 998  | 47.71  | 75°42'43"  |
| 999  | 86.48  | 51°45'05"  |
| 1000 | 91.34  | 39°28'33"  |
| 1001 | 76.09  | 35°13'39"  |
| 1002 | 95.09  | 61°17'21"  |
| 1003 | 68     | 47°22'32"  |
| 1004 | 81.04  | 11°10'40"  |
| 1005 | 93.46  | 4°58'26"   |
| 1006 | 80.58  | 26°07'23"  |
| 1007 | 144.41 | 41°23'30"  |
| 1008 | 166.91 | 53°33'34"  |
| 1009 | 149.53 | 47°38'19"  |
| 1010 | 186.14 | 50°00'55"  |
| 1011 | 105.02 | 26°21'51"  |
| 1012 | 96.17  | 5°22'08"   |
| 1013 | 34.88  | 330°42'33" |
| 1014 | 167.48 | 44°50'11"  |
| 1015 | 20.32  | 304°43'38" |
| 1016 | 296.82 | 322°16'48" |
| 1017 | 204.15 | 318°59'24" |
| 1018 | 117.8  | 302°50'30" |
| 1019 | 163.42 | 318°21'43" |
| 1020 | 124.89 | 335°46'34" |
| 1021 | 110.71 | 354°59'36" |
| 1022 | 83.7   | 327°13'52" |
| 1023 | 160.88 | 329°49'06" |
| 1024 | 36.89  | 307°26'34" |
| 1025 | 112.61 | 324°56'30" |
| 1026 | 155.92 | 337°01'54" |
| 1027 | 113.89 | 330°47'06" |
| 1028 | 59.48  | 251°06'58" |
| 1029 | 45.84  | 290°32'21" |
| 1030 | 128.83 | 315°23'28" |
| 1031 | 111.79 | 308°49'59" |
| 1032 | 210.79 | 316°56'47" |

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| 1033 | 26.8   | 347°51'18" |
| 1034 | 34.54  | 13°45'59"  |
| 1035 | 53.24  | 33°18'04"  |
| 1036 | 38.22  | 0°07'49"   |
| 1037 | 71.66  | 338°25'38" |
| 1038 | 27.06  | 338°47'58" |
| 1039 | 61.17  | 218°14'48" |
| 1040 | 329.58 | 324°08'34" |
| 1041 | 117.81 | 30°24'31"  |
| 1042 | 96.74  | 26°54'01"  |
| 1043 | 122    | 49°32'13"  |
| 1044 | 45.93  | 49°33'48"  |
| 1045 | 171.1  | 13°20'38"  |
| 1046 | 139.55 | 340°29'50" |
| 1047 | 187.23 | 276°09'15" |
| 1048 | 235.46 | 272°09'22" |
| 1049 | 277.33 | 271°57'13" |
| 1050 | 144.8  | 271°37'04" |
| 1051 | 113.73 | 357°37'32" |
| 1052 | 159.47 | 94°48'19"  |
| 1053 | 271.69 | 94°55'54"  |
| 1054 | 201.53 | 94°25'34"  |
| 1055 | 208.08 | 15°47'30"  |
| 1056 | 107.21 | 329°23'50" |
| 1057 | 254.44 | 345°44'48" |
| 1058 | 112.12 | 8°35'51"   |
| 1059 | 101.01 | 64°28'59"  |
| 1060 | 74.11  | 64°26'41"  |
| 1061 | 168.33 | 47°01'03"  |
| 1062 | 59.64  | 41°30'59"  |
| 1063 | 13.07  | 12°56'29"  |
| 1064 | 37.12  | 27°10'36"  |
| 1065 | 35.9   | 31°19'39"  |
| 1066 | 26.69  | 42°33'26"  |
| 1067 | 54.22  | 42°35'58"  |
| 1068 | 35.05  | 51°14'06"  |
| 1069 | 64.08  | 16°30'52"  |
| 1070 | 108.62 | 18°14'57"  |
| 1071 | 136.42 | 33°28'34"  |
| 1072 | 307.88 | 16°08'12"  |
| 1073 | 139.72 | 22°54'26"  |
| 1074 | 36.76  | 19°04'38"  |
| 1075 | 25.76  | 7°56'25"   |
| 1076 | 109.96 | 20°16'15"  |
| 1077 | 134.55 | 24°07'36"  |
| 1078 | 110.03 | 25°49'17"  |



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| 1079 | 100.03 | 23°46'58"  |
| 1080 | 98.96  | 24°03'54"  |
| 1081 | 62.04  | 25°06'47"  |
| 1082 | 50.07  | 32°24'40"  |
| 1083 | 64.57  | 31°35'41"  |
| 1084 | 55.8   | 26°45'43"  |
| 1085 | 58.12  | 26°17'19"  |
| 1086 | 91.97  | 28°48'52"  |
| 1087 | 31.4   | 100°45'28" |
| 1088 | 101.12 | 100°42'41" |
| 1089 | 729.82 | 100°42'56" |
| 1090 | 960.76 | 185°05'47" |
| 1091 | 271.78 | 185°06'03" |
| 1092 | 162.5  | 182°33'    |
| 1093 | 820.01 | 182°34'09" |
| 1094 | 380.06 | 159°50'35" |
| 1095 | 44.62  | 122°35'13" |
| 1096 | 138.61 | 95°22'12"  |
| 1097 | 166.78 | 198°06'28" |
| 1098 | 137.76 | 200°10'27" |
| 1099 | 955.83 | 181°16'58" |
| 1100 | 16.81  | 94°24'32"  |
| 1101 | 453.49 | 92°03'23"  |
| 1102 | 253.42 | 58°46'06"  |
| 1103 | 803.14 | 58°18'28"  |
| 1104 | 587.71 | 356°37'21" |
| 1105 | 48.01  | 272°24'19" |
| 1106 | 77.15  | 357°54'35" |
| 1107 | 83.54  | 59°34'52"  |
| 1108 | 201.21 | 339°40'20" |
| 1109 | 36.06  | 67°27'05"  |
| 1110 | 36.52  | 163°12'31" |
| 1111 | 2.4    | 69°32'     |
| 1112 | 14.92  | 159°38'13" |
| 1113 | 41.38  | 163°33'58" |
| 1114 | 69.96  | 160°53'46" |
| 1115 | 7      | 160°52'06" |
| 1116 | 19.41  | 160°53'48" |
| 1117 | 55.74  | 158°34'10" |
| 1118 | 38.16  | 119°07'31" |
| 1119 | 39.61  | 110°49'31" |
| 1120 | 249.57 | 109°28'11" |
| 1121 | 215.6  | 140°46'06" |
| 1122 | 139.43 | 111°43'05" |
| 1123 | 186.96 | 103°54'04" |
| 1124 | 129.71 | 76°48'59"  |

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| 1125 | 79.01  | 357°13'56" |
| 1126 | 98.07  | 87°16'49"  |
| 1127 | 147.43 | 1°02'13"   |
| 1128 | 167.6  | 53°57'28"  |
| 1129 | 56     | 139°31'03" |
| 1130 | 179.24 | 149°56'46" |
| 1131 | 105.52 | 58°33'50"  |
| 1132 | 49.12  | 69°42'44"  |
| 1133 | 18.27  | 336°48'12" |
| 1134 | 111.11 | 27°03'18"  |
| 1135 | 12.92  | 94°09'54"  |
| 1136 | 67.81  | 39°46'59"  |
| 1137 | 75.85  | 27°40'51"  |
| 1138 | 23.95  | 5°49'29"   |
| 1139 | 23.41  | 289°20'11" |
| 1140 | 43.63  | 321°16'24" |
| 1141 | 9.6    | 7°07'11"   |
| 1142 | 66.35  | 101°28'06" |
| 1143 | 26.46  | 38°43'55"  |
| 1144 | 28.64  | 0°38'32"   |
| 1145 | 60.1   | 80°11'17"  |
| 1146 | 24.51  | 88°33'53"  |
| 1147 | 23.85  | 159°25'42" |
| 1148 | 25.21  | 109°03'    |
| 1149 | 75.8   | 67°20'     |
| 1150 | 64.17  | 57°59'47"  |
| 1151 | 60.26  | 101°02'59" |
| 1152 | 14     | 119°50'25" |
| 1153 | 23.65  | 119°49'01" |
| 1154 | 98.5   | 34°46'45"  |
| 1155 | 37.63  | 40°20'16"  |
| 1156 | 12.12  | 2°17'34"   |
| 1157 | 108.18 | 13°00'41"  |
| 1158 | 117.38 | 12°18'58"  |
| 1159 | 37.02  | 307°24'41" |
| 1160 | 7.11   | 42°17'34"  |
| 1161 | 100.26 | 57°24'37"  |
| 1162 | 33.11  | 125°04'54" |
| 1163 | 221    | 20°57'22"  |
| 1164 | 33.08  | 36°36'06"  |
| 1165 | 105.97 | 47°37'23"  |
| 1166 | 131.5  | 50°52'12"  |
| 1167 | 195.5  | 41°40'33"  |
| 1168 | 100.32 | 80°04'23"  |
| 1169 | 2.63   | 87°55'47"  |
| 1170 | 25.26  | 88°27'35"  |

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| 1171 | 26.2   | 88°12'46"  |
| 1172 | 19.81  | 87°18'53"  |
| 1173 | 69.26  | 88°03'20"  |
| 1174 | 69.45  | 88°17'55"  |
| 1175 | 39.64  | 359°29'54" |
| 1176 | 64.47  | 28°55'33"  |
| 1177 | 156.43 | 29°13'48"  |
| 1178 | 7.42   | 129°45'58" |
| 1179 | 24.42  | 197°45'41" |
| 1180 | 31.98  | 112°19'56" |
| 1181 | 8.23   | 217°01'03" |
| 1182 | 62.87  | 217°15'55" |
| 1183 | 16.55  | 147°19'06" |
| 1184 | 73.86  | 86°02'06"  |
| 1185 | 43.38  | 40°04'18"  |
| 1186 | 42.54  | 60°42'44"  |
| 1187 | 21.84  | 39°35'     |
| 1188 | 16.23  | 17°36'12"  |
| 1189 | 18.29  | 82°57'31"  |
| 1190 | 11.04  | 87°15'12"  |
| 1191 | 41.29  | 14°11'41"  |
| 1192 | 5.08   | 24°41'16"  |
| 1193 | 1.09   | 33°20'22"  |
| 1194 | 9.42   | 7°20'45"   |
| 1195 | 5.23   | 18°13'     |
| 1196 | 11.79  | 20°28'04"  |
| 1197 | 6.59   | 6°52'10"   |
| 1198 | 31.74  | 350°42'51" |
| 1199 | 47.53  | 3°58'53"   |
| 1200 | 34.33  | 358°07'01" |
| 1201 | 37.21  | 350°12'06" |
| 1202 | 34.75  | 81°14'01"  |
| 1203 | 101.96 | 354°44'01" |
| 1204 | 24.77  | 352°50'14" |
| 1205 | 82.82  | 80°48'09"  |
| 1206 | 142.69 | 81°00'35"  |
| 1207 | 7.86   | 84°56'13"  |
| 1208 | 114.11 | 20°56'18"  |
| 1209 | 128.7  | 20°35'02"  |
| 1210 | 88.31  | 345°19'30" |
| 1211 | 59.21  | 345°09'57" |
| 1212 | 57.59  | 319°01'08" |
| 1213 | 75.51  | 337°22'27" |
| 1214 | 495.3  | 69°07'12"  |
| 1215 | 251.53 | 48°28'38"  |
| 1216 | 67.39  | 59°21'20"  |

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| 1217 | 60.98  | 63°03'44"  |
| 1218 | 24.66  | 49°14'08"  |
| 1219 | 47.88  | 32°44'25"  |
| 1220 | 78.45  | 25°19'02"  |
| 1221 | 100.14 | 344°35'57" |
| 1222 | 44.47  | 2°28'43"   |
| 1223 | 224.31 | 6°52'56"   |
| 1224 | 145.39 | 63°16'46"  |
| 1225 | 123.06 | 4°58'06"   |
| 1226 | 244.69 | 89°46'16"  |
| 1227 | 364.93 | 90°03'41"  |
| 1228 | 155.41 | 92°24'34"  |
| 1229 | 366.23 | 16°21'15"  |
| 1230 | 20.21  | 277°23'14" |
| 1231 | 0.7    | 277°26'18" |
| 1232 | 0.97   | 279°19'    |
| 1233 | 77.95  | 284°29'55" |
| 1234 | 12.01  | 16°14'11"  |
| 1235 | 18.26  | 18°39'23"  |
| 1236 | 3.06   | 288°54'51" |
| 1237 | 6.2    | 19°00'17"  |
| 1238 | 1.18   | 285°36'17" |
| 1239 | 6.38   | 325°45'44" |
| 1240 | 29.44  | 14°42'01"  |
| 1241 | 16.92  | 13°12'16"  |
| 1242 | 30.46  | 13°57'20"  |
| 1243 | 0.35   | 103°45'39" |
| 1244 | 56.14  | 13°44'54"  |
| 1245 | 0.56   | 284°37'46" |
| 1246 | 0.02   | 351°01'39" |
| 1247 | 79.44  | 14°24'04"  |
| 1248 | 84.88  | 13°15'17"  |
| 1249 | 2.43   | 14°13'50"  |
| 1250 | 2.18   | 104°28'37" |
| 1251 | 24.3   | 13°54'56"  |
| 1252 | 3.37   | 283°47'49" |
| 1253 | 5.89   | 13°54'49"  |
| 1254 | 3.27   | 104°01'09" |
| 1255 | 12.87  | 103°54'16" |
| 1256 | 114.11 | 21°52'34"  |
| 1257 | 27.72  | 306°13'11" |
| 1258 | 18.56  | 18°18'11"  |
| 1259 | 59.92  | 290°17'14" |
| 1260 | 33.05  | 21°29'48"  |
| 1261 | 73.09  | 101°55'22" |
| 1262 | 46.11  | 22°19'37"  |

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| 1263 | 49.72   | 87°50'16"  |
| 1264 | 173.43  | 73°18'55"  |
| 1265 | 1709.53 | 61°15'51"  |
| 1266 | 80.54   | 61°16'04"  |
| 1267 | 192.97  | 61°26'58"  |
| 1268 | 1525.83 | 61°10'27"  |
| 1269 | 485.11  | 60°56'     |
| 1270 | 36.2    | 336°30'38" |
| 1271 | 48.23   | 321°55'54" |
| 1272 | 52.86   | 326°16'52" |
| 1273 | 30.65   | 272°32'03" |
| 1274 | 49.52   | 303°59'27" |
| 1275 | 78.03   | 324°06'43" |
| 1276 | 30.02   | 313°40'28" |
| 1277 | 84.12   | 312°01'07" |
| 1278 | 40.88   | 282°51'54" |
| 1279 | 71.09   | 274°15'48" |
| 1280 | 92.87   | 281°28'06" |
| 1281 | 116.31  | 29°40'35"  |
| 1282 | 80.72   | 332°50'25" |
| 1283 | 84.21   | 344°08'51" |
| 1284 | 61.72   | 333°01'50" |
| 1285 | 18.35   | 347°29'11" |
| 1286 | 36.22   | 345°34'50" |
| 1287 | 42.95   | 24°45'34"  |
| 1288 | 38.23   | 6°01'19"   |
| 1289 | 41.86   | 40°09'53"  |
| 1290 | 111.05  | 43°10'57"  |
| 1291 | 60.09   | 357°06'11" |
| 1292 | 41.63   | 65°55'08"  |
| 1293 | 38.97   | 29°11'56"  |
| 1294 | 94.41   | 298°28'20" |
| 1295 | 36.39   | 217°12'09" |
| 1296 | 106.77  | 247°59'50" |
| 1297 | 111.82  | 254°58'19" |
| 1298 | 25.94   | 249°33'23" |
| 1299 | 229.75  | 257°35'15" |
| 1300 | 197.52  | 265°35'05" |
| 1301 | 262.36  | 357°17'43" |
| 1302 | 367.12  | 256°15'12" |
| 1303 | 378.72  | 181°59'38" |
| 1304 | 278.68  | 207°55'20" |
| 1305 | 76.41   | 201°51'27" |
| 1306 | 153.91  | 202°02'25" |
| 1307 | 29.45   | 212°26'06" |
| 1308 | 60.01   | 240°10'42" |

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|------|--------|------------|
| 1309 | 149.76 | 244°47'39" |
| 1310 | 54.34  | 241°58'27" |
| 1311 | 242.41 | 243°24'02" |
| 1312 | 7.5    | 152°54'57" |
| 1313 | 76.19  | 94°20'17"  |
| 1314 | 111.55 | 185°53'50" |
| 1315 | 23.86  | 288°58'32" |
| 1316 | 84.49  | 289°48'56" |
| 1317 | 26.12  | 212°10'45" |
| 1318 | 35.08  | 180°52'55" |
| 1319 | 24.37  | 174°15'33" |
| 1320 | 20.03  | 169°27'23" |
| 1321 | 38.36  | 170°47'27" |
| 1322 | 16.09  | 254°10'12" |
| 1323 | 68.61  | 311°33'45" |
| 1324 | 219.16 | 316°00'54" |
| 1325 | 56.89  | 318°31'46" |
| 1326 | 35.24  | 321°14'09" |
| 1327 | 14.62  | 274°53'47" |
| 1328 | 86.06  | 240°55'05" |
| 1329 | 26.25  | 246°36'48" |
| 1330 | 27.62  | 246°49'32" |
| 1331 | 5.82   | 246°57'52" |
| 1332 | 98.02  | 356°56'06" |
| 1333 | 131.69 | 357°58'23" |
| 1334 | 78.77  | 0°23'08"   |
| 1335 | 66.19  | 100°07'43" |
| 1336 | 70.94  | 94°39'55"  |
| 1337 | 22.36  | 85°39'28"  |
| 1338 | 165.93 | 38°24'01"  |
| 1339 | 84.61  | 38°16'31"  |
| 1340 | 85.35  | 37°29'19"  |
| 1341 | 46.16  | 39°08'47"  |
| 1342 | 78.81  | 317°16'02" |
| 1343 | 45.64  | 310°22'20" |
| 1344 | 67.82  | 304°08'22" |
| 1345 | 50.78  | 224°38'30" |
| 1346 | 47.1   | 266°19'16" |
| 1347 | 49.23  | 240°49'38" |
| 1348 | 77.69  | 253°32'54" |
| 1349 | 53.73  | 275°20'12" |
| 1350 | 40.13  | 265°43'21" |
| 1351 | 83.93  | 248°20'09" |
| 1352 | 37.33  | 234°34'15" |
| 1353 | 141.91 | 254°10'01" |
| 1354 | 106.21 | 260°37'08" |

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| 1355 | 89.2   | 358°12'04" |
| 1356 | 2.57   | 14°54'46"  |
| 1357 | 18.7   | 15°49'14"  |
| 1358 | 61.41  | 33°51'45"  |
| 1359 | 90.49  | 64°13'11"  |
| 1360 | 142.62 | 38°29'43"  |
| 1361 | 85.97  | 10°13'36"  |
| 1362 | 121.41 | 358°44'08" |
| 1363 | 54.43  | 303°32'06" |
| 1364 | 68.47  | 265°18'02" |
| 1365 | 42     | 171°37'    |
| 1366 | 51.3   | 274°56'17" |
| 1367 | 24.19  | 169°55'09" |
| 1368 | 60.89  | 190°09'12" |
| 1369 | 88.25  | 251°14'22" |
| 1370 | 128.87 | 331°11'42" |
| 1371 | 79.63  | 264°06'43" |
| 1372 | 101.34 | 179°38'05" |
| 1373 | 106.05 | 283°33'25" |
| 1374 | 20.06  | 290°05'08" |
| 1375 | 21.33  | 288°24'    |
| 1376 | 34.22  | 288°02'43" |
| 1377 | 67.81  | 239°18'33" |
| 1378 | 10.39  | 181°02'53" |
| 1379 | 27.64  | 183°34'58" |
| 1380 | 56.93  | 273°42'32" |
| 1381 | 26.53  | 353°07'55" |
| 1382 | 31.79  | 347°44'08" |
| 1383 | 30.83  | 358°55'46" |
| 1384 | 35.22  | 15°00'33"  |
| 1385 | 103.5  | 31°12'55"  |
| 1386 | 55.06  | 1°25'14"   |
| 1387 | 25.43  | 90°40'34"  |
| 1388 | 61.61  | 101°49'55" |
| 1389 | 153.29 | 87°31'09"  |
| 1390 | 49.4   | 88°41'13"  |
| 1391 | 45.21  | 97°16'38"  |
| 1392 | 82.72  | 100°29'42" |
| 1393 | 43.77  | 85°16'07"  |
| 1394 | 79.47  | 96°43'07"  |
| 1395 | 76.72  | 117°18'49" |
| 1396 | 84.21  | 83°32'49"  |
| 1397 | 49.49  | 19°05'17"  |
| 1398 | 39.37  | 26°13'15"  |
| 1399 | 63.73  | 56°44'18"  |
| 1400 | 4.58   | 73°26'10"  |

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| 1401 | 103.91 | 77°13'30"  |
| 1402 | 71.76  | 35°30'07"  |
| 1403 | 63.33  | 345°13'42" |
| 1404 | 49.12  | 69°43'38"  |
| 1405 | 24.23  | 3°53'45"   |
| 1406 | 13.57  | 6°07'49"   |
| 1407 | 98.99  | 41°57'32"  |
| 1408 | 133.8  | 51°40'38"  |
| 1409 | 116.65 | 130°35'53" |
| 1410 | 142.19 | 145°06'59" |
| 1411 | 276.51 | 115°45'29" |
| 1412 | 29.63  | 99°36'04"  |
| 1413 | 53.38  | 88°53'28"  |
| 1414 | 347.74 | 79°08'41"  |
| 1415 | 126.15 | 80°33'17"  |
| 1416 | 122.76 | 49°32'19"  |
| 1417 | 156.42 | 337°12'12" |
| 1418 | 167.02 | 312°32'38" |
| 1419 | 202.47 | 345°24'09" |
| 1420 | 51.99  | 7°56'29"   |
| 1421 | 21.91  | 336°37'11" |
| 1422 | 713.16 | 350°40'02" |
| 1423 | 136.68 | 290°57'02" |
| 1424 | 51.24  | 269°12'02" |
| 1425 | 107.11 | 306°47'50" |
| 1426 | 57.79  | 358°25'21" |
| 1427 | 14.59  | 267°11'13" |
| 1428 | 124.41 | 299°03'27" |
| 1429 | 42.38  | 288°01'13" |
| 1430 | 39.86  | 304°15'35" |
| 1431 | 49.37  | 314°54'26" |
| 1432 | 34.58  | 313°38'36" |
| 1433 | 63.98  | 27°40'35"  |
| 1434 | 29.68  | 48°47'04"  |
| 1435 | 90.3   | 305°12'56" |
| 1436 | 219.25 | 306°39'53" |
| 1437 | 6.37   | 329°06'26" |
| 1438 | 23.78  | 292°55'45" |
| 1439 | 9.38   | 288°58'20" |
| 1440 | 84.41  | 307°56'21" |
| 1441 | 60.12  | 307°56'52" |
| 1442 | 70.42  | 318°06'18" |
| 1443 | 35.55  | 328°35'47" |
| 1444 | 43.71  | 325°07'47" |
| 1445 | 25.38  | 326°38'06" |
| 1446 | 46.16  | 296°16'53" |

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| 1447 | 287.19 | 290°29'33" |
| 1448 | 202.13 | 216°39'50" |
| 1449 | 26.11  | 307°47'14" |
| 1450 | 5.57   | 240°11'47" |
| 1451 | 6.77   | 240°24'49" |
| 1452 | 1.97   | 240°06'13" |
| 1453 | 32.07  | 240°15'34" |
| 1454 | 4.59   | 238°00'14" |
| 1455 | 6.34   | 237°42'05" |
| 1456 | 166.11 | 237°50'10" |
| 1457 | 485.14 | 242°53'06" |
| 1458 | 187.48 | 324°03'03" |
| 1459 | 231.51 | 254°12'47" |
| 1460 | 151.26 | 243°45'42" |
| 1461 | 139.41 | 185°36'54" |
| 1462 | 88.98  | 273°18'04" |
| 1463 | 143.83 | 276°03'32" |
| 1464 | 259.52 | 267°52'51" |
| 1465 | 405.18 | 270°25'27" |
| 1466 | 39.37  | 2°09'27"   |
| 1467 | 100.96 | 46°05'50"  |
| 1468 | 288.05 | 2°21'32"   |
| 1469 | 445.48 | 75°27'19"  |
| 1470 | 191.32 | 74°19'17"  |
| 1471 | 85.86  | 45°05'09"  |
| 1472 | 124.86 | 334°12'39" |
| 1473 | 193.34 | 263°03'05" |
| 1474 | 176.53 | 268°25'23" |
| 1475 | 50     | 275°47'27" |
| 1476 | 32.68  | 308°47'14" |
| 1477 | 208.96 | 30°22'59"  |
| 1478 | 72.2   | 58°59'04"  |
| 1479 | 161.36 | 59°11'33"  |
| 1480 | 20.37  | 318°12'08" |
| 1481 | 149.39 | 290°45'04" |
| 1482 | 114.61 | 34°52'51"  |
| 1483 | 182.91 | 358°31'29" |
| 1484 | 117.07 | 261°23'21" |
| 1485 | 430.19 | 316°52'50" |
| 1486 | 310    | 49°24'02"  |
| 1487 | 50     | 59°06'34"  |
| 1488 | 70.94  | 317°44'31" |
| 1489 | 66.76  | 313°22'03" |
| 1490 | 34.58  | 306°16'23" |
| 1491 | 45.67  | 16°37'56"  |
| 1492 | 70.86  | 51°25'38"  |

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| 1493 | 53.5   | 343°40'07" |
| 1494 | 47.9   | 336°52'49" |
| 1495 | 42.56  | 329°52'25" |
| 1496 | 38.22  | 323°39'41" |
| 1497 | 37.19  | 322°29'45" |
| 1498 | 37.91  | 313°13'43" |
| 1499 | 53.1   | 309°42'35" |
| 1500 | 91.77  | 38°45'34"  |
| 1501 | 19.7   | 121°39'58" |
| 1502 | 95.6   | 85°33'34"  |
| 1503 | 60.31  | 87°13'29"  |
| 1504 | 24.41  | 86°57'23"  |
| 1505 | 28.52  | 79°30'58"  |
| 1506 | 38.09  | 81°10'12"  |
| 1507 | 6.26   | 93°30'34"  |
| 1508 | 44     | 346°52'37" |
| 1509 | 45.08  | 346°21'21" |
| 1510 | 30.52  | 356°17'31" |
| 1511 | 41.65  | 354°09'18" |
| 1512 | 48.2   | 11°01'26"  |
| 1513 | 49.14  | 18°35'09"  |
| 1514 | 232.42 | 101°11'44" |
| 1515 | 64.2   | 109°       |
| 1516 | 90.54  | 137°23'13" |
| 1517 | 26.9   | 123°11'57" |
| 1518 | 37.36  | 129°07'42" |
| 1519 | 42.07  | 132°11'51" |
| 1520 | 66.78  | 104°04'52" |
| 1521 | 92.14  | 105°54'51" |
| 1522 | 54.61  | 103°49'15" |
| 1523 | 34.69  | 98°38'05"  |
| 1524 | 11.7   | 112°41'43" |
| 1525 | 13.75  | 92°21'33"  |
| 1526 | 40.97  | 126°01'25" |
| 1527 | 10.72  | 113°26'19" |
| 1528 | 27.39  | 113°27'52" |
| 1529 | 301.29 | 56°44'37"  |
| 1530 | 54.03  | 98°30'55"  |
| 1531 | 86.8   | 99°52'52"  |
| 1532 | 581.86 | 81°19'08"  |
| 1533 | 496.25 | 80°51'48"  |
| 1534 | 174.78 | 80°49'01"  |
| 1535 | 133.43 | 87°13'18"  |
| 1536 | 34.48  | 89°18'49"  |
| 1537 | 54.22  | 73°07'05"  |
| 1538 | 74.15  | 79°55'39"  |

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| 1539 | 96.68  | 86°59'07"  |
| 1540 | 22     | 113°54'24" |
| 1541 | 37.42  | 132°49'09" |
| 1542 | 59.71  | 126°46'53" |
| 1543 | 31.45  | 116°03'24" |
| 1544 | 54.61  | 116°36'58" |
| 1545 | 49     | 164°51'04" |
| 1546 | 39.91  | 157°00'59" |
| 1547 | 15.85  | 171°09'08" |
| 1548 | 47.77  | 155°17'47" |
| 1549 | 36.77  | 146°43'03" |
| 1550 | 50.35  | 123°38'04" |
| 1551 | 20.7   | 129°38'32" |
| 1552 | 30.17  | 167°38'56" |
| 1553 | 16.14  | 182°51'45" |
| 1554 | 16.5   | 196°38'06" |
| 1555 | 18.69  | 209°34'35" |
| 1556 | 20.01  | 210°04'56" |
| 1557 | 29.38  | 198°09'38" |
| 1558 | 44.38  | 175°24'20" |
| 1559 | 55.7   | 157°55'32" |
| 1560 | 23.95  | 151°45'09" |
| 1561 | 108.45 | 124°49'04" |
| 1562 | 86.83  | 129°03'32" |
| 1563 | 20.39  | 146°53'31" |
| 1564 | 17.53  | 76°00'35"  |
| 1565 | 19.12  | 150°02'17" |
| 1566 | 11.55  | 164°58'32" |
| 1567 | 17.75  | 183°27'10" |
| 1568 | 14.79  | 205°03'22" |
| 1569 | 18.82  | 243°12'52" |
| 1570 | 15.54  | 223°49'18" |
| 1571 | 19.17  | 208°45'53" |
| 1572 | 22.64  | 195°07'53" |
| 1573 | 44.57  | 178°58'22" |
| 1574 | 45.57  | 168°42'02" |
| 1575 | 44.92  | 176°53'53" |
| 1576 | 13.81  | 203°22'50" |
| 1577 | 24.15  | 190°20'16" |
| 1578 | 29.64  | 179°50'15" |
| 1579 | 25.28  | 165°03'46" |
| 1580 | 19.55  | 145°14'34" |
| 1581 | 21.56  | 151°28'16" |
| 1582 | 27.7   | 163°38'07" |
| 1583 | 42.38  | 177°59'26" |
| 1584 | 33.24  | 194°42'34" |

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| 1585 | 26.57 | 185°57'14" |
| 1586 | 33.8  | 158°19'45" |
| 1587 | 39.3  | 147°21'30" |
| 1588 | 27.56 | 179°11'43" |
| 1589 | 56.08 | 186°31'42" |
| 1590 | 59.7  | 197°37'    |
| 1591 | 36.09 | 205°31'40" |
| 1592 | 44.47 | 214°21'30" |
| 1593 | 89.17 | 217°21'13" |
| 1594 | 19.42 | 211°47'37" |
| 1595 | 29.73 | 190°05'53" |
| 1596 | 28.09 | 170°37'16" |
| 1597 | 22.08 | 148°57'13" |
| 1598 | 28.38 | 143°26'04" |
| 1599 | 34.33 | 142°57'33" |
| 1600 | 25.25 | 139°30'46" |
| 1601 | 19.26 | 169°42'55" |
| 1602 | 17.24 | 185°14'04" |
| 1603 | 13.62 | 173°12'33" |
| 1604 | 6.59  | 104°51'07" |
| 1605 | 14.1  | 103°49'28" |
| 1606 | 18.09 | 133°06'44" |
| 1607 | 19.38 | 162°02'51" |
| 1608 | 15.17 | 171°56'56" |
| 1609 | 19.21 | 102°28'01" |
| 1610 | 25.56 | 105°07'21" |
| 1611 | 15.13 | 117°59'59" |
| 1612 | 11.58 | 131°25'14" |
| 1613 | 43.55 | 118°25'30" |
| 1614 | 17.07 | 110°35'04" |
| 1615 | 23.04 | 124°21'03" |
| 1616 | 49.13 | 138°09'    |
| 1617 | 48.42 | 140°56'42" |
| 1618 | 14.55 | 119°07'30" |
| 1619 | 14.58 | 106°00'52" |
| 1620 | 47.67 | 55°30'34"  |
| 1621 | 10.48 | 68°54'10"  |
| 1622 | 12.02 | 102°21'20" |
| 1623 | 13.04 | 111°03'53" |
| 1624 | 39.49 | 110°28'07" |
| 1625 | 37.03 | 113°20'37" |
| 1626 | 36.75 | 137°06'17" |
| 1627 | 46.77 | 148°43'44" |
| 1628 | 69.37 | 126°01'22" |
| 1629 | 15.6  | 101°09'41" |
| 1630 | 31.07 | 129°08'07" |

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| 1631 | 17.89 | 166°24'21" |
| 1632 | 21.2  | 187°38'12" |
| 1633 | 11.2  | 203°07'07" |
| 1634 | 48.66 | 124°15'52" |
| 1635 | 68.72 | 129°16'15" |
| 1636 | 15.32 | 140°19'36" |
| 1637 | 22.17 | 166°55'38" |
| 1638 | 12.56 | 147°45'40" |
| 1639 | 56.2  | 126°57'30" |
| 1640 | 51.47 | 134°41'43" |
| 1641 | 14.49 | 115°19'13" |
| 1642 | 13.85 | 82°03'36"  |
| 1643 | 13.27 | 84°20'52"  |
| 1644 | 22.71 | 107°26'38" |
| 1645 | 52.81 | 118°15'39" |
| 1646 | 24.2  | 101°57'31" |
| 1647 | 13.93 | 92°04'08"  |
| 1648 | 24.21 | 82°39'22"  |
| 1649 | 16.52 | 93°27'33"  |
| 1650 | 26.92 | 100°17'10" |
| 1651 | 8.89  | 82°07'14"  |
| 1652 | 23.4  | 49°06'33"  |
| 1653 | 13.47 | 69°36'59"  |
| 1654 | 16.41 | 88°14'24"  |
| 1655 | 32.19 | 96°38'52"  |
| 1656 | 6.87  | 96°33'51"  |
| 1657 | 13.2  | 87°26'47"  |
| 1658 | 58.41 | 78°44'46"  |
| 1659 | 12.05 | 76°28'37"  |
| 1660 | 14.53 | 97°35'29"  |
| 1661 | 22.07 | 109°33'36" |
| 1662 | 27.51 | 118°09'32" |
| 1663 | 12.52 | 118°05'24" |
| 1664 | 33.56 | 95°51'41"  |
| 1665 | 10.6  | 110°11'09" |
| 1666 | 9.61  | 120°55'22" |
| 1667 | 10.76 | 132°59'36" |
| 1668 | 13.28 | 148°52'49" |
| 1669 | 15.33 | 155°53'04" |
| 1670 | 10.88 | 148°58'26" |
| 1671 | 11.02 | 131°44'14" |
| 1672 | 12.46 | 119°20'14" |
| 1673 | 15.72 | 99°42'50"  |
| 1674 | 15.54 | 92°09'11"  |
| 1675 | 14.85 | 103°51'57" |
| 1676 | 12.17 | 121°00'18" |

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| 1677 | 18.14 | 116°46'01" |
| 1678 | 21.3  | 118°21'27" |
| 1679 | 12.07 | 108°40'47" |
| 1680 | 30.03 | 108°03'46" |
| 1681 | 13.58 | 110°47'33" |
| 1682 | 16.13 | 100°05'58" |
| 1683 | 18.02 | 95°29'17"  |
| 1684 | 12.05 | 81°16'16"  |
| 1685 | 13.85 | 78°25'41"  |
| 1686 | 22.61 | 88°06'16"  |
| 1687 | 16.05 | 102°43'03" |
| 1688 | 11.18 | 112°21'33" |
| 1689 | 21.44 | 129°55'55" |
| 1690 | 14.65 | 142°28'17" |
| 1691 | 7.43  | 134°51'49" |
| 1692 | 12.08 | 139°37'01" |
| 1693 | 28.42 | 119°12'    |
| 1694 | 28.22 | 107°36'54" |
| 1695 | 21.9  | 115°53'24" |
| 1696 | 17.47 | 112°01'06" |
| 1697 | 32.5  | 111°51'30" |
| 1698 | 27.38 | 111°49'32" |
| 1699 | 38.38 | 115°02'38" |
| 1700 | 20.62 | 117°00'35" |
| 1701 | 14.57 | 114°46'46" |
| 1702 | 12.64 | 105°15'04" |
| 1703 | 20.16 | 104°06'56" |
| 1704 | 23.3  | 90°53'52"  |
| 1705 | 9.22  | 72°03'58"  |
| 1706 | 12.83 | 64°24'19"  |
| 1707 | 18.53 | 69°06'24"  |
| 1708 | 11.96 | 82°48'43"  |
| 1709 | 12.62 | 94°18'41"  |
| 1710 | 16.78 | 109°28'06" |
| 1711 | 16.61 | 120°15'35" |
| 1712 | 19.21 | 118°24'41" |
| 1713 | 18.4  | 127°14'44" |
| 1714 | 19.01 | 125°54'54" |
| 1715 | 8.97  | 105°09'44" |
| 1716 | 11.27 | 91°43'28"  |
| 1717 | 20.77 | 91°20'56"  |
| 1718 | 8.69  | 93°26'35"  |
| 1719 | 9.84  | 94°00'08"  |
| 1720 | 14.96 | 106°00'46" |
| 1721 | 24.46 | 109°50'18" |
| 1722 | 18.06 | 110°00'30" |

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| 1723 | 16.11 | 121°12'17" |
| 1724 | 17.93 | 102°44'06" |
| 1725 | 17.55 | 97°31'48"  |
| 1726 | 20.01 | 87°43'55"  |
| 1727 | 24.95 | 85°16'58"  |
| 1728 | 19.46 | 90°52'17"  |
| 1729 | 23.67 | 100°48'31" |
| 1730 | 12.73 | 99°11'21"  |
| 1731 | 14.69 | 121°58'05" |
| 1732 | 19.42 | 128°27'16" |
| 1733 | 14.28 | 109°41'15" |
| 1734 | 21.88 | 112°12'22" |
| 1735 | 32.77 | 101°16'20" |
| 1736 | 28.14 | 102°15'16" |
| 1737 | 19.92 | 103°42'22" |
| 1738 | 19.51 | 87°36'31"  |
| 1739 | 20.2  | 87°40'13"  |
| 1740 | 31.05 | 78°50'39"  |
| 1741 | 8.55  | 95°44'02"  |
| 1742 | 37.36 | 95°42'08"  |
| 1743 | 4.54  | 95°24'09"  |
| 1744 | 18.28 | 86°48'26"  |
| 1745 | 8.82  | 95°30'32"  |
| 1746 | 32.58 | 70°26'18"  |
| 1747 | 8.32  | 76°57'53"  |
| 1748 | 6.81  | 90°45'54"  |
| 1749 | 22.26 | 124°09'58" |
| 1750 | 14.87 | 115°58'08" |
| 1751 | 26.15 | 111°03'32" |
| 1752 | 11.39 | 100°03'19" |
| 1753 | 15.4  | 114°35'58" |
| 1754 | 20.51 | 88°48'26"  |
| 1755 | 9.78  | 75°59'01"  |
| 1756 | 12.12 | 51°35'23"  |
| 1757 | 6.1   | 88°27'35"  |
| 1758 | 7.49  | 124°06'44" |
| 1759 | 23.69 | 86°15'13"  |
| 1760 | 23.03 | 95°56'32"  |
| 1761 | 14.7  | 99°57'55"  |
| 1762 | 14.5  | 88°28'15"  |
| 1763 | 27.09 | 100°07'42" |
| 1764 | 13.95 | 120°37'02" |
| 1765 | 10.85 | 116°26'15" |
| 1766 | 18.01 | 119°16'30" |
| 1767 | 62.73 | 114°28'20" |
| 1768 | 46.29 | 130°54'17" |

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| 1769 | 11.34 | 127°20'16" |
| 1770 | 20.16 | 119°46'38" |
| 1771 | 16.09 | 130°43'48" |
| 1772 | 7.17  | 122°15'50" |
| 1773 | 11.24 | 100°26'22" |
| 1774 | 11.92 | 87°25'01"  |
| 1775 | 11.26 | 79°39'22"  |
| 1776 | 16.8  | 61°38'18"  |
| 1777 | 5.01  | 101°36'06" |
| 1778 | 7.1   | 155°52'55" |
| 1779 | 8.6   | 129°44'51" |
| 1780 | 19.51 | 95°53'47"  |
| 1781 | 22.81 | 76°03'08"  |
| 1782 | 41.07 | 94°11'05"  |
| 1783 | 44.33 | 66°02'37"  |
| 1784 | 11.29 | 102°47'27" |
| 1785 | 12.57 | 129°36'51" |
| 1786 | 29.81 | 162°47'34" |
| 1787 | 23.69 | 152°59'37" |
| 1788 | 37.96 | 136°53'53" |
| 1789 | 34.67 | 142°43'15" |
| 1790 | 18.71 | 125°12'26" |
| 1791 | 31.32 | 129°42'29" |
| 1792 | 12.61 | 120°02'51" |
| 1793 | 40.59 | 101°22'58" |
| 1794 | 8.76  | 83°22'34"  |
| 1795 | 53.75 | 69°18'27"  |
| 1796 | 17.97 | 92°14'41"  |
| 1797 | 10.52 | 77°16'32"  |
| 1798 | 76.01 | 65°10'46"  |
| 1799 | 14.68 | 59°13'42"  |
| 1800 | 13.78 | 45°17'28"  |
| 1801 | 12.57 | 23°54'23"  |
| 1802 | 26.91 | 15°01'25"  |
| 1803 | 11.73 | 357°14'04" |
| 1804 | 18.46 | 348°23'57" |
| 1805 | 18.99 | 359°42'16" |
| 1806 | 23.79 | 18°04'23"  |
| 1807 | 16.06 | 11°54'05"  |
| 1808 | 13.45 | 32°06'06"  |
| 1809 | 68.52 | 52°56'31"  |
| 1810 | 24.68 | 70°33'52"  |
| 1811 | 46.65 | 62°51'28"  |
| 1812 | 71.69 | 54°13'30"  |
| 1813 | 77.76 | 44°56'43"  |
| 1814 | 47.77 | 40°55'07"  |

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|------|--------|------------|
| 1815 | 31.67  | 59°54'55"  |
| 1816 | 19.45  | 64°20'15"  |
| 1817 | 54.03  | 359°35'53" |
| 1818 | 13.13  | 0°53'24"   |
| 1819 | 9.83   | 16°29'46"  |
| 1820 | 29.06  | 44°43'29"  |
| 1821 | 0.82   | 151°58'27" |
| 1822 | 26.59  | 68°52'47"  |
| 1823 | 49.07  | 74°13'03"  |
| 1824 | 185.57 | 74°16'19"  |
| 1825 | 45.83  | 74°24'33"  |
| 1826 | 30.88  | 74°34'43"  |
| 1827 | 96.94  | 174°31'48" |
| 1828 | 86.41  | 170°25'32" |
| 1829 | 19.37  | 237°59'49" |
| 1830 | 60.65  | 182°54'26" |
| 1831 | 85.26  | 177°55'57" |
| 1832 | 57.64  | 175°54'39" |
| 1833 | 85.82  | 173°07'58" |
| 1834 | 68.69  | 170°32'15" |
| 1835 | 86.84  | 173°12'40" |
| 1836 | 55.59  | 175°45'51" |
| 1837 | 47.23  | 181°14'36" |
| 1838 | 77     | 180°45'46" |
| 1839 | 52.34  | 168°41'23" |
| 1840 | 45.91  | 79°41'49"  |
| 1841 | 25.91  | 56°18'29"  |
| 1842 | 107.34 | 56°18'42"  |
| 1843 | 90.94  | 61°41'56"  |
| 1844 | 125.91 | 57°59'38"  |
| 1845 | 179.77 | 58°18'24"  |
| 1846 | 135.93 | 62°04'45"  |
| 1847 | 91.37  | 62°34'25"  |
| 1848 | 100.1  | 64°29'09"  |
| 1849 | 94.37  | 67°37'12"  |
| 1850 | 77.98  | 69°10'39"  |
| 1851 | 70.78  | 70°31'     |
| 1852 | 129.66 | 79°02'43"  |
| 1853 | 83.75  | 78°41'21"  |
| 1854 | 82.55  | 79°14'57"  |
| 1855 | 81.88  | 82°04'23"  |
| 1856 | 62.7   | 87°11'04"  |
| 1857 | 148.98 | 87°37'55"  |
| 1858 | 88.28  | 90°        |
| 1859 | 33.43  | 79°22'45"  |
| 1860 | 48.25  | 90°        |

|      |        |            |
|------|--------|------------|
| 1861 | 127.45 | 100°40'30" |
| 1862 | 63.46  | 99°18'37"  |
| 1863 | 98.07  | 100°15'06" |
| 1864 | 68.83  | 107°21'22" |
| 1865 | 51.66  | 110°57'17" |
| 1866 | 59.48  | 111°15'    |
| 1867 | 68     | 118°53'14" |
| 1868 | 64.93  | 108°25'55" |
| 1869 | 54.21  | 114°37'36" |
| 1870 | 74.55  | 112°40'52" |
| 1871 | 63.83  | 117°47'57" |
| 1872 | 65.29  | 126°41'33" |
| 1873 | 51.31  | 109°53'09" |
| 1874 | 11.05  | 201°48'26" |
| 1875 | 14.59  | 219°16'50" |
| 1876 | 16.59  | 201°48'07" |
| 1877 | 14.37  | 180°       |
| 1878 | 18.16  | 227°17'54" |
| 1879 | 15.64  | 246°47'51" |
| 1880 | 20.78  | 249°46'24" |
| 1881 | 22.51  | 245°46'52" |
| 1882 | 16.84  | 232°25'15" |
| 1883 | 28.47  | 244°21'27" |
| 1884 | 23.45  | 246°48'34" |
| 1885 | 18.59  | 173°39'03" |
| 1886 | 27.33  | 235°42'48" |
| 1887 | 17.96  | 239°02'12" |
| 1888 | 27.12  | 209°28'06" |
| 1889 | 33.44  | 197°52'52" |
| 1890 | 32.91  | 183°34'53" |
| 1891 | 28.6   | 201°02'06" |
| 1892 | 26.95  | 220°21'23" |
| 1893 | 25.66  | 216°52'50" |
| 1894 | 17.08  | 212°43'45" |
| 1895 | 12.32  | 180°       |
| 1896 | 16.06  | 206°34'17" |
| 1897 | 10.72  | 253°18'05" |
| 1898 | 17.54  | 249°26'29" |
| 1899 | 14.3   | 248°56'45" |
| 1900 | 11.97  | 210°58'46" |
| 1901 | 103.71 | 211°38'38" |
| 1902 | 57.04  | 210°15'31" |
| 1903 | 27.11  | 245°22'07" |
| 1904 | 11.06  | 291°49'25" |
| 1905 | 16.83  | 307°33'56" |
| 1906 | 16.07  | 296°33'48" |

|      |       |            |
|------|-------|------------|
| 1907 | 12.49 | 279°28'06" |
| 1908 | 16.23 | 251°33'10" |
| 1909 | 33.67 | 217°34'21" |
| 1910 | 41.69 | 217°59'59" |
| 1911 | 37.01 | 236°18'19" |
| 1912 | 39.3  | 250°09'06" |
| 1913 | 13.81 | 221°58'37" |
| 1914 | 24.83 | 209°45'    |
| 1915 | 73.49 | 208°21'08" |
| 1916 | 34.87 | 222°37'04" |
| 1917 | 31.43 | 231°37'46" |
| 1918 | 29.05 | 212°00'30" |
| 1919 | 89.78 | 218°57'50" |
| 1920 | 68.67 | 211°33'04" |
| 1921 | 55.65 | 217°30'28" |
| 1922 | 26.94 | 229°37'49" |
| 1923 | 19.75 | 261°01'30" |
| 1924 | 31.84 | 249°13'40" |
| 1925 | 42.54 | 250°15'11" |
| 1926 | 40.44 | 246°02'24" |
| 1927 | 28.4  | 229°23'34" |
| 1928 | 12.7  | 255°59'16" |
| 1929 | 15.4  | 270°       |
| 1930 | 16.56 | 277°06'47" |
| 1931 | 10.57 | 240°56'45" |
| 1932 | 9.69  | 237°58'55" |
| 1933 | 17.09 | 212°44'19" |
| 1934 | 10.57 | 209°04'40" |
| 1935 | 32.07 | 230°11'12" |
| 1936 | 22.51 | 226°51'14" |
| 1937 | 13.5  | 171°14'49" |
| 1938 | 13.34 | 157°23'04" |
| 1939 | 7.19  | 180°       |
| 1940 | 12.53 | 214°59'19" |
| 1941 | 9.47  | 229°23'44" |
| 1942 | 11.48 | 259°42'34" |
| 1943 | 12.02 | 249°59'43" |
| 1944 | 12.49 | 170°33'02" |
| 1945 | 14.95 | 164°02'14" |
| 1946 | 20.22 | 156°02'29" |
| 1947 | 15.26 | 160°21'10" |
| 1948 | 17.48 | 176°37'21" |
| 1949 | 13.81 | 221°59'22" |
| 1950 | 24.85 | 231°42'41" |
| 1951 | 12.7  | 255°57'42" |
| 1952 | 23.7  | 252°20'55" |

|      |       |            |
|------|-------|------------|
| 1953 | 21.66 | 264°34'06" |
| 1954 | 34.97 | 273°21'40" |
| 1955 | 25.06 | 214°59'24" |
| 1956 | 24.83 | 209°44'45" |
| 1957 | 31.22 | 226°19'53" |
| 1958 | 13.07 | 225°       |
| 1959 | 9.24  | 270°       |
| 1960 | 11.34 | 264°48'48" |
| 1961 | 12.7  | 255°57'57" |
| 1962 | 11.97 | 239°01'50" |
| 1963 | 17.45 | 241°55'42" |
| 1964 | 25.36 | 238°14'15" |
| 1965 | 35.63 | 228°30'23" |
| 1966 | 33.68 | 232°25'52" |
| 1967 | 19.09 | 233°44'39" |
| 1968 | 24.68 | 253°04'28" |
| 1969 | 33.88 | 270°       |
| 1970 | 14.7  | 257°54'15" |
| 1971 | 22.61 | 219°28'13" |
| 1972 | 23.07 | 212°16'27" |
| 1973 | 31.07 | 187°35'36" |
| 1974 | 16.23 | 161°34'10" |
| 1975 | 10.27 | 143°07'16" |
| 1976 | 25.36 | 211°45'45" |
| 1977 | 30.82 | 209°58'37" |
| 1978 | 27.1  | 232°42'05" |
| 1979 | 27.74 | 231°00'25" |
| 1980 | 40.88 | 231°07'04" |
| 1981 | 30.88 | 248°33'10" |
| 1982 | 43.68 | 246°26'48" |
| 1983 | 31.34 | 238°23'16" |
| 1984 | 38.11 | 242°44'42" |
| 1985 | 31.84 | 249°13'40" |
| 1986 | 41.9  | 239°02'13" |
| 1987 | 18.51 | 236°18'14" |
| 1988 | 10.91 | 221°11'29" |
| 1989 | 10.72 | 196°42'14" |
| 1990 | 16.58 | 201°48'30" |
| 1991 | 42.33 | 194°02'13" |
| 1992 | 21.17 | 202°49'44" |
| 1993 | 16.99 | 205°01'04" |
| 1994 | 8.02  | 230°13'02" |
| 1995 | 11.48 | 280°17'23" |
| 1996 | 17.93 | 293°38'    |
| 1997 | 25.66 | 270°       |
| 1998 | 27.89 | 276°20'32" |

|      |        |            |
|------|--------|------------|
| 1999 | 14.52  | 278°08'14" |
| 2000 | 12.36  | 221°37'09" |
| 2001 | 56.94  | 205°38'33" |
| 2002 | 58.79  | 204°46'33" |
| 2003 | 55.09  | 206°33'54" |
| 2004 | 6.24   | 170°32'48" |
| 2005 | 37.65  | 168°59'47" |
| 2006 | 29.79  | 178°01'08" |
| 2007 | 27.73  | 177°52'55" |
| 2008 | 33.63  | 192°20'13" |
| 2009 | 36.45  | 189°43'48" |
| 2010 | 23.45  | 203°11'26" |
| 2011 | 36.28  | 205°06'51" |
| 2012 | 14.52  | 171°52'42" |
| 2013 | 38.33  | 172°18'01" |
| 2014 | 19.48  | 161°34'28" |
| 2015 | 17.55  | 159°26'33" |
| 2016 | 19.29  | 154°48'07" |
| 2017 | 42.24  | 154°03'24" |
| 2018 | 36.8   | 149°51'36" |
| 2019 | 21.65  | 148°34'23" |
| 2020 | 31.87  | 165°03'36" |
| 2021 | 15.44  | 183°49'33" |
| 2022 | 25.75  | 184°34'09" |
| 2023 | 55.57  | 205°08'49" |
| 2024 | 54.01  | 188°44'42" |
| 2025 | 58.84  | 186°00'36" |
| 2026 | 51.42  | 183°25'42" |
| 2027 | 37.67  | 197°27'13" |
| 2028 | 65.6   | 200°08'08" |
| 2029 | 37.02  | 199°26'10" |
| 2030 | 15.4   | 180°       |
| 2031 | 45.27  | 183°54'04" |
| 2032 | 41.07  | 181°25'48" |
| 2033 | 48.68  | 207°39'    |
| 2034 | 27.64  | 238°40'08" |
| 2035 | 30.8   | 233°07'28" |
| 2036 | 30.8   | 233°07'55" |
| 2037 | 82.86  | 208°35'21" |
| 2038 | 58.17  | 188°08'10" |
| 2039 | 65.8   | 270°       |
| 2040 | 158.23 | 188°58'31" |
| 2041 | 203.5  | 194°02'02" |
| 2042 | 577.58 | 206°12'04" |
| 2043 | 249.41 | 185°34'51" |
| 2044 | 657.5  | 252°37'25" |

|      |         |            |
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| 2045 | 590.35  | 251°18'11" |
| 2046 | 528.71  | 251°19'16" |
| 2047 | 172.28  | 247°40'16" |
| 2048 | 84.52   | 243°18'55" |
| 2049 | 232.35  | 233°10'22" |
| 2050 | 76.27   | 228°36'37" |
| 2051 | 63.95   | 200°51'15" |
| 2052 | 68.67   | 174°03'07" |
| 2053 | 54.73   | 152°06'16" |
| 2054 | 394.14  | 142°55'23" |
| 2055 | 126.77  | 135°       |
| 2056 | 155.94  | 117°44'03" |
| 2057 | 620.06  | 181°56'38" |
| 2058 | 95.93   | 239°02'20" |
| 2059 | 62.64   | 246°47'46" |
| 2060 | 165.54  | 206°33'54" |
| 2061 | 243.61  | 191°41'27" |
| 2062 | 428.07  | 177°47'53" |
| 2063 | 297.16  | 175°14'06" |
| 2064 | 413.35  | 174°17'21" |
| 2065 | 1846.11 | 239°53'02" |
| 2066 | 1207.88 | 175°59'44" |
| 2067 | 339.31  | 173°53'04" |
| 2068 | 427.37  | 201°30'07" |
| 2069 | 145.09  | 131°38'    |
| 2070 | 747.94  | 182°46'13" |
| 2071 | 103.65  | 215°32'07" |
| 2072 | 0.63    | 223°27'07" |
| 2073 | 0.32    | 320°11'06" |
| 2074 | 21.06   | 319°51'49" |
| 2075 | 399.05  | 298°03'50" |
| 2076 | 163.1   | 183°02'39" |
| 2077 | 112.64  | 183°31'20" |
| 2078 | 75.15   | 326°12'45" |
| 2079 | 111.33  | 283°19'25" |
| 2080 | 51.24   | 252°15'43" |
| 2081 | 62.11   | 326°06'06" |
| 2082 | 111.87  | 293°34'14" |
| 2083 | 0.04    | 234°05'25" |
| 2084 | 66.29   | 257°58'03" |
| 2085 | 74.25   | 294°49'04" |
| 2086 | 122.5   | 264°07'20" |
| 2087 | 99.2    | 283°52'35" |
| 2088 | 75.29   | 258°34'18" |
| 2089 | 0.02    | 270°       |
| 2090 | 290.59  | 282°24'27" |

|      |         |            |
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| 2091 | 268.41  | 233°13'12" |
| 2092 | 36.61   | 187°07'22" |
| 2093 | 270.26  | 187°08'54" |
| 2094 | 78.52   | 262°41'43" |
| 2095 | 67.9    | 169°57'50" |
| 2096 | 274.08  | 277°52'54" |
| 2097 | 161.11  | 262°30'31" |
| 2098 | 201.49  | 272°48'28" |
| 2099 | 41.97   | 272°49'37" |
| 2100 | 172.39  | 190°39'32" |
| 2101 | 75.28   | 72°17'59"  |
| 2102 | 42.99   | 112°59'26" |
| 2103 | 116.82  | 117°05'42" |
| 2104 | 34.33   | 90°51'53"  |
| 2105 | 43.73   | 54°46'27"  |
| 2106 | 153.35  | 192°29'21" |
| 2107 | 187.41  | 290°32'39" |
| 2108 | 123.71  | 284°57'22" |
| 2109 | 101.49  | 283°13'02" |
| 2110 | 135.1   | 296°24'02" |
| 2111 | 76.41   | 292°12'53" |
| 2112 | 257.87  | 181°24'28" |
| 2113 | 378.3   | 276°38'13" |
| 2114 | 577.44  | 276°37'59" |
| 2115 | 224.13  | 266°58'21" |
| 2116 | 78.13   | 266°59'08" |
| 2117 | 95.93   | 266°59'07" |
| 2118 | 124.42  | 357°41'12" |
| 2119 | 1.87    | 358°19'05" |
| 2120 | 8.15    | 357°39'59" |
| 2121 | 34.32   | 357°33'41" |
| 2122 | 47.83   | 357°39'36" |
| 2123 | 0.75    | 3°52'47"   |
| 2124 | 1932.68 | 354°51'09" |
| 2125 | 466.01  | 271°53'03" |
| 2126 | 541     | 276°17'04" |
| 2127 | 100.97  | 302°58'56" |
| 2128 | 319.67  | 280°05'49" |
| 2129 | 232.39  | 230°02'30" |
| 2130 | 208.91  | 244°03'40" |
| 2131 | 176.85  | 249°05'47" |
| 2132 | 142.27  | 265°39'51" |
| 2133 | 411.98  | 269°08'19" |
| 2134 | 183.18  | 181°47'30" |
| 2135 | 134.95  | 210°01'49" |
| 2136 | 266.29  | 229°36'18" |

|      |        |            |
|------|--------|------------|
| 2137 | 222.29 | 225°22'41" |
| 2138 | 147.77 | 229°53'11" |
| 2139 | 262.54 | 230°42'14" |
| 2140 | 247.88 | 227°46'24" |
| 2141 | 199.65 | 246°15'14" |
| 2142 | 238.53 | 236°38'06" |
| 2143 | 282.04 | 236°53'53" |
| 2144 | 60.37  | 250°55'22" |
| 2145 | 269.3  | 251°06'13" |
| 2146 | 306.2  | 262°05'47" |
| 2147 | 193.63 | 249°03'30" |
| 2148 | 95.59  | 264°17'45" |
| 2149 | 184.44 | 287°04'33" |
| 2150 | 145.89 | 263°44'52" |
| 2151 | 166.03 | 288°57'17" |
| 2152 | 533.53 | 221°48'57" |
| 2153 | 49.38  | 226°24'18" |
| 2154 | 72.34  | 233°21'26" |
| 2155 | 118.9  | 224°10'48" |
| 2156 | 37.75  | 222°02'15" |
| 2157 | 62.83  | 227°02'54" |
| 2158 | 102.62 | 220°20'35" |
| 2159 | 57.3   | 226°16'40" |
| 2160 | 52.92  | 219°19'34" |
| 2161 | 22.21  | 199°54'37" |
| 2162 | 11.78  | 210°56'31" |
| 2163 | 39.74  | 219°22'45" |
| 2164 | 54.76  | 224°04'44" |
| 2165 | 32.11  | 216°02'18" |
| 2166 | 88.2   | 215°24'29" |
| 2167 | 97.04  | 213°33'49" |
| 2168 | 30.79  | 202°25'58" |
| 2169 | 48.2   | 211°08'22" |
| 2170 | 141.39 | 210°29'27" |
| 2171 | 214.26 | 210°21'56" |
| 2172 | 45.33  | 214°23'08" |
| 2173 | 96.77  | 218°58'16" |
| 2174 | 69.38  | 219°27'46" |
| 2175 | 24.59  | 228°49'34" |
| 2176 | 33.81  | 242°54'16" |
| 2177 | 24.1   | 225°55'35" |
| 2178 | 14.04  | 180°59'44" |
| 2179 | 24.4   | 178°01'45" |
| 2180 | 19.14  | 211°29'47" |
| 2181 | 58.72  | 240°20'03" |
| 2182 | 70     | 209°18'56" |



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| 2183 | 42.43  | 217°16'56" |
| 2184 | 22.92  | 231°16'38" |
| 2185 | 111.6  | 220°59'42" |
| 2186 | 25.73  | 217°14'45" |
| 2187 | 59     | 214°04'52" |
| 2188 | 168.12 | 210°24'59" |
| 2189 | 47.12  | 209°48'07" |
| 2190 | 26.33  | 222°23'55" |
| 2191 | 49.33  | 208°05'06" |
| 2192 | 35.19  | 208°47'05" |
| 2193 | 33.98  | 217°08'31" |
| 2194 | 75.95  | 199°37'18" |
| 2195 | 54.69  | 195°05'54" |
| 2196 | 27.28  | 191°11'21" |
| 2197 | 32.94  | 184°08'09" |
| 2198 | 35.79  | 203°57'02" |
| 2199 | 21.8   | 207°23'20" |
| 2200 | 27.95  | 192°14'15" |
| 2201 | 33.98  | 203°46'11" |
| 2202 | 218.4  | 203°46'19" |
| 2203 | 53.97  | 203°43'07" |
| 2204 | 77.54  | 202°20'38" |
| 2205 | 88.76  | 202°38'41" |
| 2206 | 52.1   | 204°31'40" |
| 2207 | 53.04  | 200°53'35" |
| 2208 | 57.27  | 201°39'53" |
| 2209 | 67.33  | 201°03'56" |
| 2210 | 43.16  | 199°30'48" |
| 2211 | 37.25  | 193°01'32" |
| 2212 | 12.53  | 208°59'10" |
| 2213 | 20.96  | 207°39'12" |
| 2214 | 19.02  | 197°51'31" |
| 2215 | 16.17  | 187°32'19" |
| 2216 | 22.56  | 191°27'37" |
| 2217 | 32.19  | 200°01'49" |
| 2218 | 8.36   | 225°05'14" |
| 2219 | 10.62  | 221°43'33" |
| 2220 | 18     | 277°59'50" |
| 2221 | 16.24  | 260°40'39" |
| 2222 | 20.23  | 233°30'45" |
| 2223 | 12.79  | 246°40'11" |
| 2224 | 22.28  | 278°29'49" |
| 2225 | 24.1   | 269°38'10" |
| 2226 | 15.8   | 297°07'40" |
| 2227 | 6.66   | 255°58'27" |
| 2228 | 8.63   | 197°10'44" |

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| 2229 | 44.14  | 169°47'53" |
| 2230 | 28.51  | 196°26'09" |
| 2231 | 43.76  | 208°50'31" |
| 2232 | 50     | 204°16'01" |
| 2233 | 44.68  | 211°34'48" |
| 2234 | 41.24  | 223°00'11" |
| 2235 | 98.29  | 215°36'12" |
| 2236 | 112.74 | 208°09'51" |
| 2237 | 62.71  | 212°58'22" |
| 2238 | 176.6  | 202°28'39" |
| 2239 | 50.45  | 201°38'58" |
| 2240 | 35.8   | 215°58'17" |
| 2241 | 14.3   | 153°26'45" |
| 2242 | 18.33  | 204°51'48" |
| 2243 | 21.51  | 182°29'57" |
| 2244 | 19.07  | 245°43'17" |
| 2245 | 20.07  | 250°29'04" |
| 2246 | 48.29  | 219°33'02" |
| 2247 | 21.43  | 245°34'38" |
| 2248 | 43.47  | 251°17'10" |
| 2249 | 28.16  | 206°57'    |
| 2250 | 40.13  | 220°55'02" |
| 2251 | 58.16  | 217°13'16" |
| 2252 | 54.45  | 227°03'03" |
| 2253 | 94.53  | 223°32'09" |
| 2254 | 111.29 | 245°02'28" |
| 2255 | 86.05  | 256°06'22" |
| 2256 | 294.53 | 259°04'52" |
| 2257 | 179.73 | 269°16'43" |
| 2258 | 31.02  | 294°57'18" |
| 2259 | 34.21  | 327°27'12" |
| 2260 | 37.02  | 279°13'29" |
| 2261 | 47.73  | 264°01'13" |
| 2262 | 106.06 | 253°35'12" |
| 2263 | 47.29  | 249°52'01" |
| 2264 | 44.77  | 226°05'03" |
| 2265 | 72.85  | 243°21'37" |
| 2266 | 38.42  | 253°16'28" |
| 2267 | 35.59  | 253°16'52" |
| 2268 | 40.94  | 259°26'51" |
| 2269 | 40.62  | 246°59'30" |
| 2270 | 653.12 | 297°03'05" |
| 2271 | 48.7   | 322°31'15" |
| 2272 | 190.29 | 329°59'56" |
| 2273 | 32.96  | 48°07'25"  |
| 2274 | 43.96  | 42°46'36"  |

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| 2275 | 33.01  | 29°35'32"  |
| 2276 | 17.79  | 3°59'17"   |
| 2277 | 24.26  | 14°34'21"  |
| 2278 | 33.16  | 353°11'47" |
| 2279 | 19.87  | 22°40'34"  |
| 2280 | 9.35   | 342°29'08" |
| 2281 | 13.75  | 303°29'16" |
| 2282 | 13.55  | 277°40'28" |
| 2283 | 11.37  | 307°12'45" |
| 2284 | 19.45  | 356°05'05" |
| 2285 | 25.51  | 14°36'08"  |
| 2286 | 21.08  | 26°34'29"  |
| 2287 | 30.04  | 42°48'29"  |
| 2288 | 38.94  | 50°18'59"  |
| 2289 | 55.52  | 32°47'50"  |
| 2290 | 39.77  | 35°29'07"  |
| 2291 | 49.82  | 32°30'32"  |
| 2292 | 46.28  | 25°35'38"  |
| 2293 | 43.89  | 16°33'38"  |
| 2294 | 52.22  | 6°28'38"   |
| 2295 | 15.91  | 14°03'26"  |
| 2296 | 38.13  | 359°00'30" |
| 2297 | 21.51  | 15°01'41"  |
| 2298 | 24.51  | 0°13'19"   |
| 2299 | 39.57  | 7°20'23"   |
| 2300 | 47.28  | 12°30'21"  |
| 2301 | 24.53  | 358°40'40" |
| 2302 | 24.85  | 8°18'11"   |
| 2303 | 27.77  | 32°47'01"  |
| 2304 | 23.1   | 57°17'25"  |
| 2305 | 10.84  | 97°10'37"  |
| 2306 | 18.76  | 46°22'40"  |
| 2307 | 247.08 | 359°04'11" |
| 2308 | 15.98  | 23°55'33"  |
| 2309 | 86.4   | 5°56'16"   |
| 2310 | 45.93  | 3°35'10"   |
| 2311 | 107.37 | 5°12'41"   |
| 2312 | 148.9  | 7°07'05"   |
| 2313 | 56.33  | 330°57'12" |
| 2314 | 160.13 | 349°29'06" |
| 2315 | 83.28  | 232°00'11" |
| 2316 | 11.71  | 255°30'16" |
| 2317 | 68.32  | 228°36'38" |
| 2318 | 56.38  | 235°19'37" |
| 2319 | 9.47   | 208°14'33" |
| 2320 | 5.4    | 229°09'55" |

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| 2321 | 151.09 | 231°20'11" |
| 2322 | 204.1  | 230°26'55" |
| 2323 | 74.18  | 231°24'24" |
| 2324 | 116.66 | 231°23'31" |
| 2325 | 213.9  | 231°23'35" |
| 2326 | 37.5   | 231°24'34" |
| 2327 | 211.53 | 231°29'50" |
| 2328 | 195.66 | 231°52'22" |
| 2329 | 50.46  | 232°50'55" |
| 2330 | 229.72 | 230°56'02" |
| 2331 | 95.33  | 231°51'41" |
| 2332 | 105.22 | 230°18'26" |
| 2333 | 173.86 | 232°19'34" |
| 2334 | 480.87 | 231°48'05" |
| 2335 | 351.32 | 231°21'12" |
| 2336 | 111.65 | 232°00'42" |
| 2337 | 185.84 | 231°48'47" |
| 2338 | 133.65 | 229°26'32" |
| 2339 | 64.29  | 226°37'30" |
| 2340 | 48.29  | 224°32'25" |
| 2341 | 74.94  | 227°05'03" |
| 2342 | 540.47 | 223°45'42" |
| 2343 | 23.48  | 216°49'19" |
| 2344 | 13.97  | 224°25'11" |
| 2345 | 66.54  | 260°19'51" |
| 2346 | 113.1  | 281°24'55" |
| 2347 | 163.05 | 345°50'13" |
| 2348 | 134.26 | 298°49'09" |
| 2349 | 114.63 | 5°17'13"   |
| 2350 | 176.02 | 80°07'24"  |
| 2351 | 171.3  | 115°46'01" |
| 2352 | 102.87 | 60°23'39"  |
| 2353 | 119.66 | 1°09'37"   |
| 2354 | 223.64 | 283°10'07" |
| 2355 | 85.21  | 314°31'08" |
| 2356 | 55.12  | 233°26'02" |
| 2357 | 133.18 | 291°07'39" |
| 2358 | 116.84 | 226°48'55" |
| 2359 | 107.18 | 148°54'43" |
| 2360 | 311.64 | 241°40'38" |
| 2361 | 36.7   | 240°53'19" |
| 2362 | 251.4  | 268°54'49" |
| 2363 | 146.37 | 293°46'40" |
| 2364 | 211.84 | 301°09'43" |
| 2365 | 186.61 | 290°52'40" |
| 2366 | 206.89 | 309°19'01" |

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| 2367 | 352.96 | 312°20'17" |
| 2368 | 20.34  | 265°57'19" |
| 2369 | 217.73 | 266°26'04" |
| 2370 | 27.5   | 268°33'14" |
| 2371 | 50.59  | 267°12'02" |
| 2372 | 25.08  | 256°32'48" |
| 2373 | 109.03 | 268°21'14" |
| 2374 | 100.47 | 263°44'11" |
| 2375 | 35.2   | 250°36'27" |
| 2376 | 55.95  | 265°40'17" |
| 2377 | 53.13  | 267°59'30" |
| 2378 | 50.21  | 258°39'50" |
| 2379 | 68.16  | 267°30'49" |
| 2380 | 36.67  | 258°19'52" |
| 2381 | 135.08 | 263°31'15" |
| 2382 | 122.77 | 264°30'23" |
| 2383 | 21.44  | 327°10'08" |
| 2384 | 49.7   | 265°25'31" |
| 2385 | 88.7   | 265°20'17" |
| 2386 | 182.5  | 331°28'38" |
| 2387 | 95.67  | 257°11'53" |
| 2388 | 84.61  | 261°12'29" |
| 2389 | 3.04   | 259°36'02" |
| 2390 | 43.73  | 162°30'10" |
| 2391 | 62.53  | 163°03'15" |
| 2392 | 203.79 | 163°18'05" |
| 2393 | 40.74  | 163°04'15" |
| 2394 | 31.37  | 212°37'05" |
| 2395 | 59     | 214°28'17" |
| 2396 | 3.34   | 125°52'15" |
| 2397 | 4.48   | 214°02'53" |
| 2398 | 137.16 | 124°19'07" |
| 2399 | 0.69   | 214°02'05" |
| 2400 | 11.69  | 217°04'15" |
| 2401 | 16.04  | 216°59'13" |
| 2402 | 0.84   | 164°52'14" |
| 2403 | 0.63   | 122°32'01" |
| 2404 | 262.04 | 164°29'35" |
| 2405 | 66.69  | 250°28'54" |
| 2406 | 9.16   | 250°25'19" |
| 2407 | 17.03  | 250°28'13" |
| 2408 | 11.28  | 250°29'01" |
| 2409 | 17.02  | 250°28'15" |
| 2410 | 11.96  | 242°46'22" |
| 2411 | 29.04  | 241°41'28" |
| 2412 | 34.44  | 255°40'06" |

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| 2413 | 14.24  | 198°12'35" |
| 2414 | 30.2   | 223°07'32" |
| 2415 | 117.67 | 231°15'25" |
| 2416 | 140.96 | 230°33'11" |
| 2417 | 177.35 | 231°36'46" |
| 2418 | 124.31 | 231°23'06" |
| 2419 | 29.79  | 237°43'35" |
| 2420 | 36.85  | 231°20'13" |
| 2421 | 46.45  | 226°25'50" |
| 2422 | 43.32  | 233°19'48" |
| 2423 | 75.43  | 230°36'01" |
| 2424 | 40.04  | 232°36'57" |
| 2425 | 88.41  | 231°12'09" |
| 2426 | 106.82 | 230°16'03" |
| 2427 | 109.43 | 230°44'31" |
| 2428 | 81.72  | 221°11'39" |
| 2429 | 80.4   | 227°46'01" |
| 2430 | 96.45  | 227°27'25" |
| 2431 | 71.33  | 234°44'55" |
| 2432 | 101.34 | 226°37'13" |
| 2433 | 139.12 | 225°18'52" |
| 2434 | 109.49 | 231°21'25" |
| 2435 | 83.95  | 224°56'56" |
| 2436 | 38.67  | 125°50'30" |
| 2437 | 10.1   | 126°07'21" |
| 2438 | 4.84   | 126°12'36" |
| 2439 | 6.87   | 129°18'36" |
| 2440 | 6.17   | 223°47'53" |
| 2441 | 18.04  | 223°51'16" |
| 2442 | 12.49  | 81°56'12"  |
| 2443 | 15.73  | 105°41'54" |
| 2444 | 52.14  | 189°24'12" |
| 2445 | 63.64  | 209°21'    |
| 2446 | 46.49  | 175°41'28" |
| 2447 | 47.56  | 126°50'02" |
| 2448 | 68.23  | 101°32'22" |
| 2449 | 34.91  | 220°54'05" |
| 2450 | 53.33  | 194°19'10" |
| 2451 | 7.28   | 300°17'30" |
| 2452 | 11.2   | 243°03'02" |
| 2453 | 13.23  | 225°46'17" |
| 2454 | 7.95   | 256°52'02" |
| 2455 | 14.86  | 271°56'39" |
| 2456 | 7.43   | 292°45'36" |
| 2457 | 6.8    | 256°37'40" |
| 2458 | 9.97   | 208°51'21" |

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| 2459 | 10.91  | 191°02'09" |
| 2460 | 22.36  | 190°48'27" |
| 2461 | 16.71  | 216°35'49" |
| 2462 | 8.94   | 146°11'14" |
| 2463 | 8.65   | 118°19'54" |
| 2464 | 8.06   | 85°56'36"  |
| 2465 | 5.94   | 50°53'18"  |
| 2466 | 14.23  | 25°16'52"  |
| 2467 | 12.48  | 341°47'35" |
| 2468 | 6.36   | 34°36'15"  |
| 2469 | 57.32  | 58°35'24"  |
| 2470 | 8.62   | 139°01'    |
| 2471 | 7.95   | 222°20'19" |
| 2472 | 8.14   | 148°26'07" |
| 2473 | 14.05  | 103°39'27" |
| 2474 | 6.69   | 160°21'44" |
| 2475 | 11.99  | 199°28'46" |
| 2476 | 24.92  | 206°35'05" |
| 2477 | 18.84  | 229°23'23" |
| 2478 | 8.68   | 164°17'    |
| 2479 | 23.84  | 127°26'17" |
| 2480 | 23.72  | 144°19'33" |
| 2481 | 30.51  | 160°30'33" |
| 2482 | 29.88  | 196°37'18" |
| 2483 | 18.87  | 229°00'02" |
| 2484 | 17.86  | 243°32'38" |
| 2485 | 17.13  | 293°41'32" |
| 2486 | 35.81  | 5°14'20"   |
| 2487 | 26.73  | 345°54'31" |
| 2488 | 24.67  | 303°31'12" |
| 2489 | 14.52  | 284°06'29" |
| 2490 | 14.73  | 228°08'15" |
| 2491 | 13.39  | 277°57'34" |
| 2492 | 15.99  | 242°59'23" |
| 2493 | 13.54  | 191°31'21" |
| 2494 | 15.11  | 148°43'53" |
| 2495 | 30.13  | 132°03'32" |
| 2496 | 26.88  | 145°04'36" |
| 2497 | 31.55  | 181°11'09" |
| 2498 | 120.95 | 97°50'41"  |
| 2499 | 439.75 | 97°51'14"  |
| 2500 | 85.35  | 97°49'59"  |
| 2501 | 1.37   | 180°27'37" |
| 2502 | 8.55   | 137°44'57" |
| 2503 | 14.61  | 154°40'12" |
| 2504 | 36.84  | 160°51'33" |

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| 2505 | 24.02  | 159°41'51" |
| 2506 | 27.41  | 150°37'37" |
| 2507 | 7.69   | 203°12'02" |
| 2508 | 13.61  | 189°04'22" |
| 2509 | 31.86  | 207°24'52" |
| 2510 | 11.7   | 193°59'07" |
| 2511 | 6.2    | 193°52'05" |
| 2512 | 16.34  | 84°36'15"  |
| 2513 | 11.59  | 147°06'49" |
| 2514 | 10.97  | 152°17'27" |
| 2515 | 9.43   | 164°38'41" |
| 2516 | 9.22   | 191°44'11" |
| 2517 | 10.46  | 244°18'52" |
| 2518 | 9.53   | 260°13'34" |
| 2519 | 7.37   | 237°08'01" |
| 2520 | 16.54  | 236°39'17" |
| 2521 | 6.5    | 189°53'50" |
| 2522 | 64.43  | 190°01'44" |
| 2523 | 299.35 | 178°03'04" |
| 2524 | 92.33  | 177°27'53" |
| 2525 | 66.66  | 164°42'27" |
| 2526 | 19.67  | 161°30'58" |
| 2527 | 29.28  | 167°05'55" |
| 2528 | 6.32   | 160°05'45" |
| 2529 | 26.39  | 159°08'25" |
| 2530 | 23.31  | 147°09'34" |
| 2531 | 15.01  | 156°04'33" |
| 2532 | 15.3   | 145°28'    |
| 2533 | 8.6    | 153°11'47" |
| 2534 | 15.39  | 174°00'39" |
| 2535 | 24.34  | 194°09'32" |
| 2536 | 17.32  | 187°45'04" |
| 2537 | 36.83  | 203°08'06" |
| 2538 | 16.33  | 187°26'49" |
| 2539 | 13.61  | 178°08'20" |
| 2540 | 10.89  | 173°32'06" |
| 2541 | 6.6    | 173°21'53" |
| 2542 | 18.83  | 171°05'31" |
| 2543 | 36.01  | 163°04'27" |
| 2544 | 42.69  | 187°19'46" |
| 2545 | 13.55  | 236°17'16" |
| 2546 | 22.07  | 236°16'03" |
| 2547 | 293.8  | 223°26'42" |
| 2548 | 231.35 | 223°23'18" |
| 2549 | 213.49 | 222°11'52" |
| 2550 | 23.43  | 208°46'04" |

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| 2551 | 35.52  | 219°19'56" |
| 2552 | 32.58  | 235°25'57" |
| 2553 | 31.09  | 221°47'19" |
| 2554 | 21.08  | 205°59'51" |
| 2555 | 37.19  | 197°25'07" |
| 2556 | 1.92   | 197°16'58" |
| 2557 | 32.39  | 205°18'54" |
| 2558 | 61.41  | 217°55'09" |
| 2559 | 38.58  | 224°44'22" |
| 2560 | 66.53  | 224°42'32" |
| 2561 | 33.83  | 215°13'31" |
| 2562 | 28.9   | 217°30'25" |
| 2563 | 20.06  | 227°04'44" |
| 2564 | 27.13  | 223°34'42" |
| 2565 | 49.99  | 239°41'32" |
| 2566 | 49.97  | 239°42'50" |
| 2567 | 43.18  | 245°10'09" |
| 2568 | 20.28  | 236°35'57" |
| 2569 | 10.74  | 232°20'52" |
| 2570 | 11.76  | 232°14'56" |
| 2571 | 8.52   | 225°55'23" |
| 2572 | 18.15  | 225°53'43" |
| 2573 | 34.09  | 227°56'17" |
| 2574 | 17.23  | 221°12'18" |
| 2575 | 17.94  | 213°50'14" |
| 2576 | 34.67  | 221°38'10" |
| 2577 | 12.67  | 206°37'33" |
| 2578 | 26.06  | 205°01'30" |
| 2579 | 34.13  | 215°42'23" |
| 2580 | 14.74  | 204°03'13" |
| 2581 | 20.95  | 187°33'09" |
| 2582 | 12.77  | 207°26'30" |
| 2583 | 6.97   | 224°08'44" |
| 2584 | 13.6   | 224°08'41" |
| 2585 | 7.92   | 265°47'28" |
| 2586 | 6.99   | 265°50'25" |
| 2587 | 19.45  | 261°23'14" |
| 2588 | 18.07  | 253°12'36" |
| 2589 | 19.48  | 233°59'25" |
| 2590 | 25.86  | 221°30'09" |
| 2591 | 71.66  | 203°35'47" |
| 2592 | 160.23 | 198°50'46" |
| 2593 | 25.66  | 222°03'17" |
| 2594 | 42.2   | 263°29'    |
| 2595 | 31.96  | 272°09'33" |
| 2596 | 14.98  | 225°49'19" |

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| 2597 | 44.22  | 210°00'52" |
| 2598 | 53.14  | 209°36'41" |
| 2599 | 138.48 | 215°02'54" |
| 2600 | 40.12  | 213°06'37" |
| 2601 | 31.52  | 190°05'08" |
| 2602 | 20.66  | 169°59'54" |
| 2603 | 16.76  | 217°44'46" |
| 2604 | 27.67  | 234°44'11" |
| 2605 | 20.89  | 220°45'52" |
| 2606 | 20.88  | 220°49'03" |
| 2607 | 35.49  | 224°06'47" |
| 2608 | 17.02  | 239°13'53" |
| 2609 | 17.03  | 239°16'28" |
| 2610 | 147.84 | 215°28'18" |
| 2611 | 21.07  | 254°40'33" |
| 2612 | 52.21  | 209°30'40" |
| 2613 | 34.69  | 225°37'21" |
| 2614 | 17     | 254°36'04" |
| 2615 | 14.52  | 287°26'44" |
| 2616 | 15.67  | 280°22'59" |
| 2617 | 229.59 | 216°37'41" |
| 2618 | 7.99   | 216°40'34" |
| 2619 | 61.6   | 125°43'32" |
| 2620 | 146.9  | 213°10'42" |
| 2621 | 12.51  | 213°13'49" |
| 2622 | 191.79 | 213°11'12" |
| 2623 | 147.64 | 213°11'03" |
| 2624 | 478.14 | 215°00'46" |
| 2625 | 129.66 | 214°56'06" |
| 2626 | 175.69 | 214°57'33" |
| 2627 | 79.15  | 185°38'12" |
| 2628 | 25.79  | 185°37'44" |
| 2629 | 68.68  | 185°38'43" |
| 2630 | 60.36  | 185°38'35" |
| 2631 | 52.7   | 185°38'53" |
| 2632 | 73.84  | 185°38'11" |
| 2633 | 7.41   | 185°37'17" |
| 2634 | 264.03 | 185°38'15" |
| 2635 | 43.31  | 185°38'21" |
| 2636 | 73.72  | 193°02'21" |
| 2637 | 40.83  | 173°19'17" |
| 2638 | 16.61  | 182°57'28" |
| 2639 | 3.65   | 185°44'25" |
| 2640 | 28.88  | 178°15'43" |
| 2641 | 547.04 | 182°36'22" |
| 2642 | 73.03  | 183°48'42" |

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| 2643 | 58.53  | 175°30'52" |
| 2644 | 54.9   | 172°41'20" |
| 2645 | 68.84  | 165°04'35" |
| 2646 | 82     | 166°10'41" |
| 2647 | 61.94  | 164°19'44" |
| 2648 | 44.83  | 171°51'22" |
| 2649 | 38.72  | 165°52'12" |
| 2650 | 13.01  | 165°49'30" |
| 2651 | 17.63  | 222°29'06" |
| 2652 | 227.69 | 222°46'32" |
| 2653 | 154.71 | 222°25'33" |
| 2654 | 223.47 | 222°31'02" |
| 2655 | 171.8  | 221°59'28" |
| 2656 | 6.54   | 222°22'24" |
| 2657 | 33.33  | 222°28'34" |
| 2658 | 285.92 | 202°59'56" |
| 2659 | 510.32 | 202°59'55" |
| 2660 | 22.67  | 279°43'31" |
| 2661 | 125.78 | 163°29'26" |
| 2662 | 45.08  | 163°28'47" |
| 2663 | 69.32  | 110°27'34" |
| 2664 | 10.02  | 158°33'31" |
| 2665 | 20.28  | 160°12'09" |
| 2666 | 33.57  | 173°47'22" |
| 2667 | 33.88  | 197°41'07" |
| 2668 | 5.56   | 183°05'37" |
| 2669 | 56.92  | 176°58'55" |
| 2670 | 34.6   | 169°02'29" |
| 2671 | 41.16  | 178°54'06" |
| 2672 | 17.3   | 142°29'30" |
| 2673 | 26.12  | 120°43'59" |
| 2674 | 27.04  | 106°37'19" |
| 2675 | 32.4   | 90°11'40"  |
| 2676 | 13.44  | 79°05'05"  |
| 2677 | 5.83   | 53°20'40"  |
| 2678 | 5.55   | 34°06'30"  |
| 2679 | 35.83  | 87°54'57"  |
| 2680 | 50.76  | 74°37'30"  |
| 2681 | 24.13  | 54°50'04"  |
| 2682 | 22.93  | 37°47'26"  |
| 2683 | 14.53  | 98°34'46"  |
| 2684 | 20.39  | 135°53'03" |
| 2685 | 16.56  | 206°18'41" |
| 2686 | 28.09  | 75°53'54"  |
| 2687 | 201.93 | 2°15'19"   |
| 2688 | 99.48  | 91°40'41"  |

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| 2689 | 76.53  | 91°40'51"  |
| 2690 | 14.55  | 91°38'18"  |
| 2691 | 24.42  | 180°05'38" |
| 2692 | 5.42   | 126°56'53" |
| 2693 | 12.48  | 151°47'01" |
| 2694 | 11.91  | 156°49'54" |
| 2695 | 11.21  | 150°39'23" |
| 2696 | 12.16  | 106°17'51" |
| 2697 | 14.56  | 132°29'02" |
| 2698 | 9.35   | 173°22'05" |
| 2699 | 12.45  | 155°53'49" |
| 2700 | 14.2   | 125°30'14" |
| 2701 | 13.71  | 133°24'56" |
| 2702 | 15.15  | 152°15'40" |
| 2703 | 9.33   | 175°51'07" |
| 2704 | 7.49   | 144°32'20" |
| 2705 | 7.06   | 77°42'25"  |
| 2706 | 6.38   | 56°11'07"  |
| 2707 | 10.28  | 79°33'08"  |
| 2708 | 8      | 50°11'53"  |
| 2709 | 87.55  | 111°50'41" |
| 2710 | 87.6   | 115°10'17" |
| 2711 | 75.76  | 112°29'37" |
| 2712 | 11.4   | 110°57'37" |
| 2713 | 75.36  | 111°01'16" |
| 2714 | 51.28  | 110°06'46" |
| 2715 | 42.68  | 109°05'47" |
| 2716 | 104.16 | 112°45'57" |
| 2717 | 14.16  | 106°46'53" |
| 2718 | 305.48 | 180°16'04" |
| 2719 | 203.32 | 94°26'23"  |
| 2720 | 752.53 | 185°31'29" |
| 2721 | 204.31 | 97°19'54"  |
| 2722 | 288.4  | 94°02'17"  |
| 2723 | 187.85 | 97°23'02"  |
| 2724 | 198.97 | 95°19'26"  |
| 2725 | 194.01 | 95°48'13"  |
| 2726 | 232.56 | 186°42'04" |
| 2727 | 83.73  | 188°12'10" |
| 2728 | 305.64 | 186°51'52" |
| 2729 | 434.07 | 186°30'13" |
| 2730 | 157.67 | 96°20'38"  |
| 2731 | 84.57  | 96°20'     |
| 2732 | 611.44 | 96°20'32"  |
| 2733 | 211.33 | 96°20'40"  |
| 2734 | 1078.7 | 185°43'04" |

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| 2735 | 49.99   | 95°55'02"  |
| 2736 | 181.77  | 95°55'10"  |
| 2737 | 279.57  | 95°54'59"  |
| 2738 | 59.1    | 95°54'35"  |
| 2739 | 1503.97 | 95°54'59"  |
| 2740 | 28.99   | 96°34'17"  |
| 2741 | 18.25   | 94°56'08"  |
| 2742 | 14.52   | 95°54'45"  |
| 2743 | 2135.23 | 5°42'16"   |
| 2744 | 1090.46 | 96°01'06"  |
| 2745 | 782.28  | 7°08'24"   |
| 2746 | 782.48  | 95°42'59"  |
| 2747 | 118.12  | 95°42'44"  |
| 2748 | 40.5    | 11°07'52"  |
| 2749 | 38.89   | 11°07'18"  |
| 2750 | 193.4   | 11°07'11"  |
| 2751 | 77.01   | 8°37'37"   |
| 2752 | 77.01   | 8°37'42"   |
| 2753 | 115     | 358°46'53" |
| 2754 | 495.54  | 356°30'10" |
| 2755 | 80.04   | 357°07'47" |
| 2756 | 94.26   | 3°31'49"   |
| 2757 | 132.84  | 5°45'38"   |
| 2758 | 129.44  | 20°05'39"  |
| 2759 | 157.54  | 28°07'30"  |
| 2760 | 97.85   | 10°27'59"  |
| 2761 | 128.18  | 356°09'12" |
| 2762 | 169.55  | 351°28'48" |
| 2763 | 62.44   | 3°24'56"   |
| 2764 | 4.16    | 3°28'18"   |
| 2765 | 2.1     | 3°52'13"   |
| 2766 | 69.64   | 3°24'46"   |
| 2767 | 482.91  | 95°21'57"  |
| 2768 | 41.77   | 95°21'15"  |
| 2769 | 67.84   | 95°21'11"  |
| 2770 | 398.66  | 95°22'03"  |
| 2771 | 444.12  | 95°21'43"  |
| 2772 | 329.44  | 199°55'28" |
| 2773 | 124.54  | 196°20'16" |
| 2774 | 37.71   | 186°16'01" |
| 2775 | 99.65   | 188°47'34" |
| 2776 | 59.92   | 193°53'35" |
| 2777 | 216.22  | 196°20'02" |
| 2778 | 123.49  | 195°26'27" |
| 2779 | 159.95  | 191°24'45" |
| 2780 | 743.04  | 94°44'28"  |

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| 2781 | 206.48 | 179°16'    |
| 2782 | 136.38 | 183°53'31" |
| 2783 | 112.51 | 189°13'32" |
| 2784 | 117.59 | 182°30'44" |
| 2785 | 72.62  | 174°12'16" |
| 2786 | 268.23 | 159°49'06" |
| 2787 | 168.1  | 176°47'46" |
| 2788 | 156.41 | 187°07'24" |
| 2789 | 57.07  | 212°06'02" |
| 2790 | 87.23  | 261°46'21" |
| 2791 | 75.42  | 268°37'49" |
| 2792 | 55.85  | 276°38'10" |
| 2793 | 46.33  | 283°58'51" |
| 2794 | 52.02  | 302°14'37" |
| 2795 | 84.89  | 312°25'02" |
| 2796 | 92.88  | 318°08'52" |
| 2797 | 246.56 | 327°27'10" |
| 2798 | 249.42 | 269°30'55" |
| 2799 | 125.35 | 165°03'02" |
| 2800 | 59.64  | 161°38'56" |
| 2801 | 146.87 | 172°26'44" |
| 2802 | 46.98  | 184°50'44" |
| 2803 | 130.04 | 181°02'44" |
| 2804 | 157.47 | 175°01'55" |
| 2805 | 30.72  | 135°04'21" |
| 2806 | 52.62  | 168°15'30" |
| 2807 | 86.26  | 178°15'51" |
| 2808 | 232.69 | 176°39'17" |
| 2809 | 216.14 | 170°01'21" |
| 2810 | 78.96  | 173°05'30" |
| 2811 | 185.38 | 167°52'59" |
| 2812 | 143.2  | 166°00'05" |
| 2813 | 76.77  | 163°55'22" |
| 2814 | 131.05 | 162°47'07" |
| 2815 | 17.43  | 95°20'06"  |
| 2816 | 685.85 | 95°23'18"  |
| 2817 | 479.53 | 176°09'40" |
| 2818 | 180.33 | 171°33'59" |
| 2819 | 105.95 | 175°00'19" |
| 2820 | 127.19 | 177°48'33" |
| 2821 | 71.99  | 189°19'31" |
| 2822 | 77.51  | 200°02'55" |
| 2823 | 219.46 | 185°55'10" |
| 2824 | 67.41  | 193°39'35" |
| 2825 | 43.16  | 158°41'15" |
| 2826 | 54.52  | 178°43'49" |

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| 2827 | 97.14   | 185°53'40" |
| 2828 | 164.03  | 175°58'45" |
| 2829 | 142.07  | 175°54'54" |
| 2830 | 275.86  | 169°23'54" |
| 2831 | 105.58  | 166°27'30" |
| 2832 | 1417.82 | 274°22'19" |
| 2833 | 102.65  | 179°21'45" |
| 2834 | 102.79  | 184°46'56" |
| 2835 | 77.69   | 181°29'58" |
| 2836 | 461.67  | 181°30'33" |
| 2837 | 38.46   | 183°09'18" |
| 2838 | 437.55  | 183°07'56" |
| 2839 | 396.9   | 196°34'16" |
| 2840 | 271.95  | 204°31'38" |
| 2841 | 190.18  | 207°20'13" |
| 2842 | 84.15   | 196°27'35" |
| 2843 | 104.62  | 196°10'08" |
| 2844 | 21.81   | 196°09'18" |
| 2845 | 121.75  | 198°33'22" |
| 2846 | 97.29   | 193°19'22" |
| 2847 | 106.53  | 220°31'52" |
| 2848 | 52.99   | 180°52'06" |
| 2849 | 77.12   | 183°49'45" |
| 2850 | 23.29   | 179°07'18" |
| 2851 | 60.54   | 179°08'37" |
| 2852 | 16.21   | 179°10'23" |
| 2853 | 190.93  | 196°21'17" |
| 2854 | 209.09  | 197°49'06" |
| 2855 | 224.71  | 196°52'41" |
| 2856 | 191.05  | 191°06'44" |
| 2857 | 128.27  | 170°04'59" |
| 2858 | 187.09  | 179°01'15" |
| 2859 | 96.05   | 201°40'28" |
| 2860 | 17.69   | 215°21'33" |
| 2861 | 45.79   | 222°27'52" |
| 2862 | 47.02   | 231°58'07" |
| 2863 | 17.84   | 214°19'57" |
| 2864 | 76.85   | 232°12'43" |
| 2865 | 177.64  | 187°38'55" |
| 2866 | 320.86  | 186°58'37" |
| 2867 | 160.5   | 183°55'40" |
| 2868 | 156.73  | 166°44'41" |
| 2869 | 203.82  | 171°26'19" |
| 2870 | 142.74  | 173°34'25" |
| 2871 | 39.46   | 188°01'28" |
| 2872 | 51.91   | 194°56'22" |

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| 2873 | 76.79 | 187°30'39" |
| 2874 | 52.8  | 160°29'52" |
| 2875 | 12.88 | 166°02'37" |
| 2876 | 21.11 | 162°17'06" |
| 2877 | 15.19 | 167°02'36" |
| 2878 | 15.11 | 185°46'45" |
| 2879 | 36.09 | 193°19'07" |
| 2880 | 13.49 | 183°00'32" |
| 2881 | 30.9  | 183°44'20" |
| 2882 | 11.98 | 198°32'05" |

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| 2883 | 13.16  | 191°06'37" |
| 2884 | 15.12  | 174°57'43" |
| 2885 | 23.15  | 175°39'36" |
| 2886 | 29.14  | 185°27'48" |
| 2887 | 32.07  | 174°21'47" |
| 2888 | 75.43  | 183°29'44" |
| 2889 | 115.63 | 188°41'41" |
| 2890 | 55.62  | 182°33'28" |
| 2891 | 34.87  | 179°29'26" |
| 2892 | 32.67  | 153°39'19" |

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| 2893 | 17.1  | 194°55'02" |
| 2894 | 17.29 | 235°40'29" |
| 2895 | 22.57 | 197°54'21" |
| 2896 | 30.74 | 182°26'34" |
| 2897 | 18.45 | 144°58'29" |
| 2898 | 57.48 | 175°53'45" |
| 2899 | 95.5  | 182°50'38" |
| 1    | 61.95 | 191°14'31" |