

ASSA Deepsky 100 Observing List

Evening of 2021 Jun 11 at VS Star Party - Gansvlei

Sunset 17:30, Twilight ends 18:48, Twilight begins 05:40, Sunrise 06:57, Moon rise 08:38, Moon set 18:18
 Completely dark from 18:48 to 05:40. New Moon. All times local (GMT+2).

Listing All Classes visible and in twilight or moonlight after 18:35 and before 05:55.

| Cls | Primary ID | Alternate ID | Mag | Con | Size | RA 2000 | Dec 2000 | Distance | Begin | Optimum | End | S.A. | Ur. 2 | PSA | Difficulty | |
|------|-----------------|------------------|------|-----|--------------|-------------|------------|----------|-------|---------|-----|-------|-------|-----|------------|-------------|
| Neb | NGC 1976 | M 42 | 4.0 | Ori | 40.0'x 20.0' | 05h35m18.0s | -05°23'00" | | 18:17 | 18:27 | ■ | 18:36 | 11 | 116 | 16 | not visible |
| PNe | NGC 3918 | Blue Planetary | 8.4 | Cen | 12" | 11h50m17.7s | -57°10'57" | 4600 ly | 18:25 | 19:11 | ■ | 23:59 | 25 | 198 | 38 | obvious |
| Dark | DC 300.7-001.0 | Coalsack | 6.0 | Cru | 16.0' | 12h31m19.0s | -63°44'36" | | 18:29 | 19:27 | ■ | 00:46 | 25 | 209 | 50 | detectable |
| Open | IC 2581 | Collinder 222 | 5.3 | Car | 5.0' | 10h27m29.0s | -57°37'00" | 8000 ly | 18:30 | 19:07 | ■ | 22:36 | 25 | 199 | 39 | obvious |
| Open | NGC 4755 | Jewel Box | 5.2 | Cru | 10.0' | 12h53m39.0s | -60°21'42" | 6400 ly | 18:30 | 19:48 | ■ | 01:06 | 25 | 198 | 50 | obvious |
| PNe | NGC 3242 | Ghost of Jupiter | 8.6 | Hya | 40" | 10h24m46.1s | -18°38'32" | 2800 ly | 18:31 | 19:03 | ■ | 21:40 | 20 | 151 | 37 | obvious |
| Open | NGC 3766 | Collinder 248 | 4.6 | Cen | 9.3' | 11h36m14.0s | -61°36'30" | 7200 ly | 18:31 | 19:11 | ■ | 23:49 | 25 | 198 | 40 | obvious |
| Open | NGC 2362 | Collinder 136 | 3.8 | CMa | 5.0' | 07h18m41.0s | -24°57'18" | 4500 ly | 18:31 | 19:00 | ■ | 20:50 | 19 | 154 | 27 | obvious |
| PNe | NGC 3132 | Eight Burst | 8.2 | Vel | 1.4' | 10h07m01.8s | -40°26'11" | 3600 ly | 18:31 | 19:04 | ■ | 21:56 | 20 | 169 | 39 | obvious |
| Open | NGC 3293 | Collinder 224 | 6.2 | Car | 6.0' | 10h35m51.0s | -58°13'48" | 7600 ly | 18:32 | 19:07 | ■ | 22:45 | 25 | 199 | 38 | obvious |
| Open | NGC 2516 | Collinder 172 | 3.3 | Car | 30.0' | 07h58m04.0s | -60°45'12" | 1300 ly | 18:33 | 19:02 | ■ | 20:09 | 24 | 200 | 30 | obvious |
| Open | IC 2602 | Collinder 229 | 1.6 | Car | 100.0' | 10h42m58.0s | -64°24'00" | 520 ly | 18:33 | 19:08 | ■ | 22:58 | 25 | 210 | 40 | obvious |
| PNe | NGC 4361 | PN G294.1+43.6 | 10.9 | Crv | 1.3' | 12h24m30.8s | -18°47'06" | 3100 ly | 18:34 | 19:21 | ■ | 23:41 | 21 | 150 | 47 | easy |
| Neb | NGC 2070 | Tarantula Nebula | 8.3 | Dor | 5.0' | 05h38m36.0s | -69°06'00" | | 18:34 | 19:01 | ■ | 05:54 | 24 | 212 | 20 | obvious |
| Open | NGC 3324 | Collinder 225 | 6.7 | Car | 12.0' | 10h37m20.0s | -58°38'30" | 7600 ly | 18:34 | 19:07 | ■ | 22:47 | 25 | 199 | 38 | obvious |
| Gal | NGC 5236 | M 83 | 7.8 | Hya | 14.1'x 13.2' | 13h37m00.8s | -29°51'56" | 15.0 Mly | 18:34 | 20:31 | ■ | 01:11 | 21 | 167 | 46 | obvious |
| Open | NGC 3532 | Collinder 238 | 3.4 | Car | 50.0' | 11h05m39.0s | -58°45'12" | 1600 ly | 18:34 | 19:09 | ■ | 23:15 | 25 | 198 | 38 | obvious |
| Open | IC 2391 | Collinder 191 | 2.6 | Vel | 60.0' | 08h40m32.0s | -53°02'00" | 570 ly | 18:34 | 19:03 | ■ | 20:44 | 25 | 200 | 28 | obvious |
| Open | NGC 5281 | Melotte 120 | 8.2 | Cen | 7.0' | 13h46m35.0s | -62°55'00" | 3600 ly | 18:34 | 20:41 | ■ | 02:01 | 25 | 208 | 50 | easy |
| Open | NGC 3114 | Collinder 215 | 4.5 | Car | 35.0' | 10h02m36.0s | -60°07'12" | 3000 ly | 18:35 | 19:06 | ■ | 22:14 | 25 | 199 | 40 | obvious |
| Dark | DC 301.0-008.6C | Dark Doodad | 6.0 | Mus | 42.4' | 12h27m31.1s | -71°25'12" | | 18:35 | 19:24 | ■ | 00:48 | 25 | 209 | 50 | detectable |
| Open | NGC 2547 | Collinder 177 | 5.0 | Vel | 25.0' | 08h10m09.0s | -49°12'54" | 1500 ly | 18:35 | 19:02 | ■ | 20:11 | 20 | 187 | 28 | obvious |

| Cls | Primary ID | Alternate ID | Mag | Con | Size | RA 2000 | Dec 2000 | Distance | Begin | Optimum | End | S.A. | Ur. 2 | PSA | Difficulty |
|------|----------------------|--------------------|------|-----|--------------|-------------|------------|-----------|-------|---------|-------|------|-------|-----|------------|
| Glob | NGC 5139 | Omega Centauri | 3.9 | Cen | 55.0' | 13h26m46.0s | -47°28'36" | 16000 ly | 18:35 | 20:21 | 01:24 | 21 | 184 | 49 | obvious |
| Gal | NGC 4594 | M 104 | 9.1 | Vir | 9.1'x 5.6' | 12h39m59.3s | -11°37'22" | 60.0 Mly | 18:35 | 19:34 | 23:43 | 14 | 130 | 47 | easy |
| Gal | NGC 5128 | Centaurus A | 7.8 | Cen | 27.5'x 18.2' | 13h25m27.7s | -43°01'07" | 12.0 Mly | 18:36 | 20:20 | 01:17 | 21 | 184 | 49 | easy |
| Glob | NGC 2808 | | 6.2 | Car | 14.0' | 09h12m03.0s | -64°51'48" | 26000 ly | 18:36 | 19:05 | 21:26 | 25 | 210 | 40 | obvious |
| Open | NGC 2477 | Collinder 165 | 5.7 | Pup | 15.0' | 07h52m10.0s | -38°31'48" | 4000 ly | 18:36 | 19:01 | 19:39 | 19 | 171 | 28 | obvious |
| Open | NGC 6025 | Collinder 296 | 6.0 | TrA | 14.0' | 16h03m17.0s | -60°25'54" | 2500 ly | 18:36 | 22:58 | 04:15 | 26 | 196 | 60 | obvious |
| Open | NGC 6193 | Collinder 310 | 5.4 | Ara | 14.0' | 16h41m20.0s | -48°45'48" | 3800 ly | 18:36 | 23:35 | 04:40 | 22 | 182 | 58 | obvious |
| Open | NGC 5460 | Collinder 280 | 6.1 | Cen | 35.0' | 14h07m27.0s | -48°20'36" | 2200 ly | 18:36 | 21:02 | 02:06 | 21 | 183 | 48 | easy |
| Open | NGC 6067 | Collinder 298 | 6.5 | Nor | 14.0' | 16h13m11.0s | -54°13'06" | 4600 ly | 18:36 | 23:07 | 04:18 | 26 | 196 | 59 | obvious |
| PNe | NGC 5189 | IC 4274 | 10.3 | Mus | 2.3' | 13h33m33.0s | -65°58'27" | 2000 ly | 18:36 | 20:28 | 01:50 | 25 | 208 | 50 | easy |
| Glob | NGC 3201 | | 6.9 | Vel | 20.0' | 10h17m37.0s | -46°24'42" | 13000 ly | 18:36 | 19:06 | 22:14 | 20 | 186 | 39 | easy |
| Open | NGC 6087 | Collinder 300 | 6.0 | Nor | 14.0' | 16h18m50.0s | -57°56'06" | 2900 ly | 18:37 | 23:13 | 04:27 | 26 | 196 | 59 | obvious |
| Gal | NGC 4945 | ESO 219 24 | 9.3 | Cen | 20.4'x 4.3' | 13h05m26.2s | -49°28'15" | 15.0 Mly | 18:37 | 20:00 | 01:05 | 21 | 184 | 49 | easy |
| Open | NGC 2447 | M 93 | 6.5 | Pup | 10.0' | 07h44m30.0s | -23°51'24" | 3400 ly | 18:37 | 19:00 | 19:10 | 19 | 153 | 26 | obvious |
| Open | NGC 2422 | M 47 | 4.3 | Pup | 25.0' | 07h36m35.0s | -14°29'00" | 1600 ly | 18:37 | 19:00 | 20:31 | 12 | 135 | 26 | obvious |
| Gal | Large Magellanic Clo | ESO 56 115 | 0.8 | Dor | 10.8'x 9.2° | 05h23m34.6s | -69°45'22" | 200000 ly | 18:37 | 19:02 | 05:50 | 24 | 212 | 20 | obvious |
| PNe | NGC 2818 | He 2-23 | 11.9 | Pyx | 36" | 09h16m01.7s | -36°37'39" | 6000 ly | 18:37 | 19:02 | 20:59 | 20 | 170 | 39 | easy |
| Open | IC 2488 | OCL 789 | 7.4 | Vel | 18.0' | 09h27m38.0s | -57°00'00" | 3700 ly | 18:37 | 19:04 | 21:35 | 25 | 199 | 39 | easy |
| Open | NGC 2451 | Collinder 161 | 3.7 | Pup | 45.0' | 07h45m23.0s | -37°57'21" | 720 ly | 18:38 | 19:01 | 19:32 | 19 | 171 | 28 | obvious |
| Gal | NGC 3115 | Spindle Galaxy | 10.0 | Sex | 7.6'x 3.5' | 10h05m14.0s | -07°43'07" | | 18:38 | 19:03 | 20:59 | 13 | 133 | 37 | easy |
| Neb | NGC 3372 | Eta Carinae Nebula | 3.0 | Car | 120.0' | 10h45m06.0s | -59°52'00" | | 18:38 | 19:07 | 22:55 | 25 | 199 | 38 | easy |
| Open | NGC 5823 | Melotte 131 | 8.6 | Cir | 12.0' | 15h05m30.0s | -55°36'12" | 3900 ly | 18:38 | 22:00 | 03:12 | 25 | 196 | 59 | easy |
| Open | NGC 5822 | Collinder 289 | 6.5 | Lup | 35.0' | 15h04m21.0s | -54°23'48" | 3000 ly | 18:39 | 21:59 | 03:09 | 25 | 196 | 59 | easy |
| Open | NGC 2548 | M 48 | 5.5 | Hya | 30.0' | 08h13m43.0s | -05°45'00" | 2500 ly | 18:39 | 19:01 | 19:04 | 12 | 134 | 26 | obvious |
| Glob | NGC 4833 | | 8.4 | Mus | 12.7' | 12h59m34.0s | -70°52'30" | 16000 ly | 18:40 | 19:54 | 01:19 | 25 | 209 | 50 | detectable |
| Open | NGC 5662 | Collinder 284 | 7.7 | Cen | 29.0' | 14h35m37.0s | -56°37'06" | 2200 ly | 18:40 | 21:30 | 02:44 | 25 | 197 | 48 | detectable |
| Open | NGC 2437 | M 46 | 6.6 | Pup | 20.0' | 07h41m46.0s | -14°48'36" | 4500 ly | 18:40 | 19:00 | 20:22 | 12 | 135 | 26 | easy |
| Glob | NGC 1904 | M 79 | 7.7 | Lep | 9.6' | 05h24m11.0s | -24°31'30" | 49000 ly | 18:40 | 18:51 | 18:59 | 19 | 155 | 16 | detectable |
| Open | NGC 2287 | M 41 | 5.0 | CMa | 39.0' | 06h46m01.0s | -20°45'24" | 2300 ly | 18:41 | 18:58 | 19:54 | 19 | 154 | 27 | easy |
| Glob | NGC 6121 | M 4 | 5.4 | Sco | 36.0' | 16h23m36.0s | -26°31'30" | 9800 ly | 18:42 | 23:17 | 03:51 | 22 | 147 | 57 | easy |
| Open | NGC 6124 | Collinder 301 | 6.3 | Sco | 39.0' | 16h25m20.0s | -40°39'12" | 1700 ly | 18:43 | 23:19 | 04:15 | 22 | 182 | 59 | easy |
| Dark | B 228 | | 6.0 | Lup | 4.0° | 15h43m01.3s | -34°09'12" | | 18:51 | 22:37 | 02:34 | 21 | 165 | 59 | difficult |
| Open | NGC 6231 | Collinder 315 | 3.4 | Sco | 14.0' | 16h54m10.0s | -41°49'30" | 4100 ly | 18:52 | 23:48 | 04:45 | 22 | 181 | 58 | obvious |

| Cls | Primary ID | Alternate ID | Mag | Con | Size | RA 2000 | Dec 2000 | Distance | Begin | Optimum | End | S.A. | Ur. 2 | PSA | Difficulty |
|------|---------------|----------------------|------|-----|--------------|-------------|------------|-----------|-------|---------|-------|------|-------|-----|------------|
| Open | NGC 6281 | Collinder 324 | 8.4 | Sco | 8.0' | 17h04m41.0s | -37°59'06" | 1600 ly | 19:06 | 23:58 | 04:49 | 22 | 164 | 58 | easy |
| Glob | NGC 6266 | M 62 | 6.4 | Oph | 15.0' | 17h01m13.0s | -30°06'48" | 26000 ly | 19:14 | 23:54 | 04:35 | 22 | 164 | 58 | obvious |
| Glob | NGC 6273 | M 19 | 6.8 | Oph | 17.0' | 17h02m38.0s | -26°16'06" | 23000 ly | 19:22 | 23:57 | 04:31 | 22 | 146 | 56 | easy |
| Glob | NGC 6397 | | 5.3 | Ara | 31.0' | 17h40m42.0s | -53°40'24" | 6500 ly | 19:25 | 00:35 | 05:45 | 26 | 195 | 58 | obvious |
| Dark | B 59 | Pipe Nebula | 5.0 | Oph | 60.0' | 17h11m06.0s | -27°24'00" | | 19:28 | 00:05 | 04:42 | 22 | 146 | 56 | detectable |
| Open | NGC 6405 | M 6 | 4.6 | Sco | 20.0' | 17h40m20.0s | -32°15'12" | 1600 ly | 19:50 | 00:34 | 05:18 | 22 | 164 | 58 | obvious |
| Glob | NGC 6218 | M 12 | 6.1 | Oph | 16.0' | 16h47m14.0s | -01°56'48" | 23000 ly | 19:55 | 23:41 | 03:27 | 15 | 107 | 56 | obvious |
| Glob | NGC 6254 | M 10 | 6.6 | Oph | 20.0' | 16h57m09.0s | -04°06'00" | 23000 ly | 19:59 | 23:51 | 03:42 | 15 | 107 | 56 | easy |
| Open | NGC 6475 | M 7 | 3.3 | Sco | 80.0' | 17h53m51.0s | -34°47'36" | 980 ly | 20:00 | 00:47 | 05:35 | 22 | 164 | 58 | obvious |
| Glob | NGC 6541 | | 6.3 | CrA | 15.0' | 18h08m02.0s | -43°42'54" | 13000 ly | 20:03 | 01:02 | 05:50 | 22 | 181 | 69 | obvious |
| Glob | NGC 6584 | | 7.9 | Tel | 6.6' | 18h18m38.0s | -52°12'54" | 42000 ly | 20:04 | 01:13 | 05:49 | 26 | 195 | 69 | easy |
| Neb | NGC 6523 | NGC 6526 | 5.0 | Sgr | 17.0'x 15.0' | 18h04m02.0s | -24°23'14" | | 20:27 | 00:58 | 05:29 | 22 | 145 | 67 | obvious |
| Open | NGC 6514 | M 20 | 5.2 | Sgr | 28.0' | 18h02m42.0s | -22°58'18" | 2700 ly | 20:27 | 00:56 | 05:25 | 22 | 145 | 67 | obvious |
| Open | NGC 6494 | M 23 | 5.9 | Sgr | 29.0' | 17h57m04.0s | -18°59'06" | 2000 ly | 20:29 | 00:51 | 05:12 | 22 | 146 | 56 | obvious |
| Open | NGC 6531 | M 21 | 7.2 | Sgr | 14.0' | 18h04m13.0s | -22°29'24" | 3900 ly | 20:30 | 00:58 | 05:27 | 22 | 145 | 67 | easy |
| Gal | NGC 6744 | ESO 104 42 | 9.1 | Pav | 17.0'x 10.7' | 19h09m45.9s | -63°51'28" | | 20:44 | 02:03 | 05:49 | 26 | 206 | 70 | easy |
| Glob | NGC 6752 | Pavo Globular | 5.3 | Pav | 29.0' | 19h10m52.0s | -59°58'54" | 20000 ly | 20:49 | 02:05 | 05:51 | 26 | 194 | 69 | obvious |
| Open | NGC 6618 | M 17 | 7.3 | Sgr | 25.0' | 18h20m47.0s | -16°10'18" | 4200 ly | 20:56 | 01:14 | 05:30 | 15 | 126 | 67 | easy |
| Glob | NGC 6656 | M 22 | 5.2 | Sgr | 32.0' | 18h36m24.0s | -23°54'12" | 9800 ly | 20:59 | 01:30 | 05:48 | 22 | 145 | 67 | obvious |
| Glob | NGC 6723 | | 6.8 | Sgr | 13.0' | 18h59m33.0s | -36°37'54" | 33000 ly | 21:03 | 01:53 | 05:50 | 22 | 163 | 69 | easy |
| Open | M 25 | IC 4725 | 6.2 | Sgr | 29.0' | 18h31m47.0s | -19°07'00" | 2000 ly | 21:04 | 01:25 | 05:47 | 22 | 145 | 67 | easy |
| Neb | Bernes 157 | | | CrA | 1.5' | 19h01m35.2s | -37°00'55" | | 21:06 | 01:55 | 05:49 | 22 | 163 | 69 | unknown |
| Open | NGC 6603 | M 24 | 11.1 | Sgr | 6.0' | 18h18m26.0s | -18°24'24" | 12000 ly | 21:20 | 01:11 | 05:05 | 15 | 145 | 67 | detectable |
| Open | Collinder 411 | Melotte 227 | 5.3 | Oct | 70.0' | 20h17m19.0s | -79°02'00" | 390 ly | 21:47 | 03:12 | 05:49 | 26 | 215 | 70 | easy |
| Open | NGC 6705 | M 11 | 6.1 | Sct | 32.0' | 18h51m05.0s | -06°16'12" | 6100 ly | 21:47 | 01:44 | 05:41 | 16 | 125 | 67 | easy |
| Glob | NGC 6809 | M 55 | 6.3 | Sgr | 19.0' | 19h40m00.0s | -30°57'42" | 20000 ly | 21:51 | 02:34 | 05:51 | 22 | 162 | 68 | easy |
| Glob | NGC 7099 | M 30 | 6.9 | Cap | 12.0' | 21h40m22.0s | -23°10'42" | 39000 ly | 00:04 | 04:33 | 05:54 | 23 | 143 | 77 | obvious |
| Glob | NGC 7089 | M 2 | 6.6 | Aqr | 16.0' | 21h33m27.0s | -00°49'24" | 49000 ly | 00:44 | 04:26 | 05:51 | 17 | 103 | 77 | easy |
| PNe | NGC 7293 | Helix | 6.3 | Aqr | 16.0' | 22h29m38.5s | -20°50'14" | 530 ly | 00:57 | 05:13 | 05:55 | 23 | 142 | 77 | obvious |
| Glob | NGC 104 | 47 Tucanae | 4.0 | Tuc | 50.0' | 00h24m05.0s | -72°04'54" | 20000 ly | 01:51 | 05:20 | 05:51 | 24 | 204 | 10 | obvious |
| Gal | NGC 55 | MCG -7-1-13 | 8.5 | Sci | 30.2'x 3.4' | 00h15m08.4s | -39°13'13" | 4.9 Mly | 02:15 | 05:23 | 05:52 | 18 | 159 | 9 | easy |
| Gal | NGC 292 | Small Magellanic Clo | 2.8 | Tuc | 5.3'x 3.4° | 00h52m38.0s | -72°48'01" | 200000 ly | 02:20 | 05:21 | 05:52 | 24 | 204 | 10 | obvious |
| Glob | NGC 362 | | 6.8 | Tuc | 14.0' | 01h03m14.0s | -70°50'54" | 39000 ly | 02:30 | 05:22 | 05:51 | 24 | 204 | 10 | easy |

| Cls | Primary ID | Alternate ID | Mag | Con | Size | RA 2000 | Dec 2000 | Distance | Begin | Optimum | End | S.A. | Ur. 2 | PSA | Difficulty |
|------|------------|----------------------|------|-----|-------------|-------------|------------|----------|-------|---------|-------|------|-------|-----|-------------|
| Gal | NGC 253 | Sculptor Galaxy | 7.9 | Sci | 28.2'x 5.5' | 00h47m33.1s | -25°17'20" | 13.0 Mly | 03:07 | 05:24 | 05:52 | 18 | 158 | 7 | easy |
| Glob | NGC 288 | | 8.1 | Sci | 13.0' | 00h52m45.0s | -26°35'00" | 39000 ly | 03:10 | 05:24 | 05:50 | 18 | 158 | 7 | easy |
| Gal | NGC 247 | MCG -4-3-5 | 9.7 | Cet | 20.0'x 5.0' | 00h47m08.6s | -20°45'38" | 8.1 Mly | 03:14 | 05:24 | 05:48 | 18 | 158 | 7 | detectable |
| PNe | NGC 246 | PN G118.8-74.7 | 10.4 | Cet | 4.0' | 00h47m03.3s | -11°52'19" | 1600 ly | 03:31 | 05:24 | 05:48 | 10 | 140 | 7 | detectable |
| Gal | NGC 1365 | MCG -6-8-26 | 10.4 | For | 10.5'x 6.2' | 03h33m36.4s | -36°08'26" | | 04:18 | 05:28 | 05:46 | 18 | 174 | 19 | detectable |
| Gal | NGC 1068 | M 77 | 9.7 | Cet | 6.6'x 5.8' | 02h42m40.8s | -00°00'48" | 70.0 Mly | 04:21 | 05:28 | 05:47 | 10 | 119 | 6 | easy |
| Glob | NGC 1261 | | 8.3 | Hor | 6.8' | 03h12m16.0s | -55°13'00" | 95000 ly | 04:52 | 05:27 | 05:50 | 24 | 202 | 19 | easy |
| Glob | NGC 1851 | | 7.1 | Col | 12.0' | 05h14m06.0s | -40°02'48" | 55000 ly | 04:54 | 05:32 | 05:48 | 19 | 173 | 18 | easy |
| PNe | NGC 1535 | Cleopatra's Eye | 9.4 | Eri | 20" | 04h14m15.8s | -12°44'22" | 5800 ly | 05:01 | 05:36 | 05:55 | 11 | 137 | 17 | obvious |
| Gal | NGC 1291 | MCG -7-7-8 | 9.5 | Eri | 9.1'x 6.6' | 03h17m18.6s | -41°06'29" | | 05:13 | 05:27 | 05:49 | 18 | 190 | 19 | easy |
| Gal | NGC 1316 | Fornax A radio sourc | 9.4 | For | 12.6'x 7.9' | 03h22m41.5s | -37°12'27" | | 05:23 | 05:28 | 05:47 | 18 | 174 | 19 | easy |
| Neb | NGC 1977 | | 7.0 | Ori | 20.0' | 05h35m18.0s | -04°51'00" | | - | - | - | 11 | 116 | 16 | not visible |