

Thu Nov 1, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|------|------------|------|-------|
| | GHA | d = 0.8' SD = 16.1' | | SD = 16.2' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 40°13.9' | 184°06.2' | S 14°20.2' | 264°57.5' | 7.0' | N 18°03.0' | 7.1' | 59.2' |
| 1 | 55°16.4' | 199°06.2' | S 14°21.0' | 279°23.5' | 7.1' | N 17°55.9' | 7.2' | 59.2' |
| 2 | 70°18.8' | 214°06.2' | S 14°21.8' | 293°49.6' | 7.1' | N 17°48.7' | 7.3' | 59.2' |
| 3 | 85°21.3' | 229°06.3' | S 14°22.6' | 308°15.7' | 7.2' | N 17°41.3' | 7.4' | 59.2' |
| 4 | 100°23.8' | 244°06.3' | S 14°23.4' | 322°41.9' | 7.2' | N 17°33.9' | 7.5' | 59.2' |
| 5 | 115°26.2' | 259°06.3' | S 14°24.2' | 337°08.2' | 7.3' | N 17°26.4' | 7.6' | 59.2' |
| 6 | 130°28.7' | 274°06.3' | S 14°25.0' | 351°34.5' | 7.3' | N 17°18.7' | 7.8' | 59.2' |
| 7 | 145°31.2' | 289°06.3' | S 14°25.8' | 6°00.8' | 7.4' | N 17°11.0' | 7.9' | 59.2' |
| 8 | 160°33.6' | 304°06.3' | S 14°26.6' | 20°27.2' | 7.5' | N 17°03.1' | 8.0' | 59.2' |
| 9 | 175°36.1' | 319°06.4' | S 14°27.4' | 34°53.7' | 7.5' | N 16°55.1' | 8.1' | 59.2' |
| 10 | 190°38.6' | 334°06.4' | S 14°28.2' | 49°20.2' | 7.6' | N 16°47.1' | 8.2' | 59.2' |
| 11 | 205°41.0' | 349°06.4' | S 14°29.0' | 63°46.7' | 7.6' | N 16°38.9' | 8.3' | 59.2' |
| 12 | 220°43.5' | 4°06.4' | S 14°29.8' | 78°13.3' | 7.7' | N 16°30.6' | 8.4' | 59.2' |
| 13 | 235°45.9' | 19°06.4' | S 14°30.6' | 92°40.0' | 7.7' | N 16°22.2' | 8.5' | 59.2' |
| 14 | 250°48.4' | 34°06.4' | S 14°31.4' | 107°06.7' | 7.8' | N 16°13.8' | 8.6' | 59.2' |
| 15 | 265°50.9' | 49°06.5' | S 14°32.2' | 121°33.5' | 7.8' | N 16°05.2' | 8.7' | 59.2' |
| 16 | 280°53.3' | 64°06.5' | S 14°33.0' | 136°00.3' | 7.9' | N 15°56.5' | 8.8' | 59.2' |
| 17 | 295°55.8' | 79°06.5' | S 14°33.8' | 150°27.2' | 7.9' | N 15°47.7' | 8.9' | 59.2' |
| 18 | 310°58.3' | 94°06.5' | S 14°34.6' | 164°54.1' | 8.0' | N 15°38.9' | 9.0' | 59.2' |
| 19 | 326°00.7' | 109°06.5' | S 14°35.4' | 179°21.1' | 8.0' | N 15°29.9' | 9.1' | 59.2' |
| 20 | 341°03.2' | 124°06.5' | S 14°36.2' | 193°48.1' | 8.1' | N 15°20.8' | 9.2' | 59.2' |
| 21 | 356°05.7' | 139°06.5' | S 14°37.0' | 208°15.2' | 8.1' | N 15°11.7' | 9.2' | 59.2' |
| 22 | 11°08.1' | 154°06.5' | S 14°37.8' | 222°42.4' | 8.2' | N 15°02.4' | 9.3' | 59.2' |
| 23 | 26°10.6' | 169°06.6' | S 14°38.6' | 237°09.6' | 8.3' | N 14°53.1' | 9.4' | 59.2' |

Fri Nov 2, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|------|------------|-------|-------|
| | GHA | d = 0.8' SD = 16.1' | | SD = 16.1' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 41°13.1' | 184°06.6' | S 14°39.4' | 251°36.8' | 8.3' | N 14°43.7' | 9.5' | 59.2' |
| 1 | 56°15.5' | 199°06.6' | S 14°40.1' | 266°04.1' | 8.4' | N 14°34.2' | 9.6' | 59.2' |
| 2 | 71°18.0' | 214°06.6' | S 14°40.9' | 280°31.5' | 8.4' | N 14°24.6' | 9.7' | 59.2' |
| 3 | 86°20.4' | 229°06.6' | S 14°41.7' | 294°58.9' | 8.5' | N 14°14.9' | 9.8' | 59.2' |
| 4 | 101°22.9' | 244°06.6' | S 14°42.5' | 309°26.4' | 8.5' | N 14°05.1' | 9.8' | 59.2' |
| 5 | 116°25.4' | 259°06.6' | S 14°43.3' | 323°53.9' | 8.6' | N 13°55.3' | 9.9' | 59.2' |
| 6 | 131°27.8' | 274°06.6' | S 14°44.1' | 338°21.5' | 8.6' | N 13°45.3' | 10.0' | 59.1' |
| 7 | 146°30.3' | 289°06.6' | S 14°44.9' | 352°49.1' | 8.7' | N 13°35.3' | 10.1' | 59.1' |
| 8 | 161°32.8' | 304°06.6' | S 14°45.7' | 7°16.8' | 8.7' | N 13°25.2' | 10.2' | 59.1' |
| 9 | 176°35.2' | 319°06.7' | S 14°46.5' | 21°44.5' | 8.8' | N 13°15.1' | 10.2' | 59.1' |
| 10 | 191°37.7' | 334°06.7' | S 14°47.3' | 36°12.3' | 8.8' | N 13°04.8' | 10.3' | 59.1' |
| 11 | 206°40.2' | 349°06.7' | S 14°48.1' | 50°40.1' | 8.9' | N 12°54.5' | 10.4' | 59.1' |
| 12 | 221°42.6' | 4°06.7' | S 14°48.8' | 65°08.0' | 8.9' | N 12°44.1' | 10.5' | 59.1' |
| 13 | 236°45.1' | 19°06.7' | S 14°49.6' | 79°36.0' | 9.0' | N 12°33.6' | 10.5' | 59.1' |
| 14 | 251°47.6' | 34°06.7' | S 14°50.4' | 94°04.0' | 9.0' | N 12°23.1' | 10.6' | 59.1' |
| 15 | 266°50.0' | 49°06.7' | S 14°51.2' | 108°32.0' | 9.1' | N 12°12.5' | 10.7' | 59.1' |
| 16 | 281°52.5' | 64°06.7' | S 14°52.0' | 123°00.1' | 9.1' | N 12°01.8' | 10.8' | 59.1' |
| 17 | 296°54.9' | 79°06.7' | S 14°52.8' | 137°28.2' | 9.2' | N 11°51.0' | 10.8' | 59.1' |
| 18 | 311°57.4' | 94°06.7' | S 14°53.6' | 151°56.4' | 9.2' | N 11°40.2' | 10.9' | 59.1' |
| 19 | 326°59.9' | 109°06.7' | S 14°54.4' | 166°24.7' | 9.3' | N 11°29.3' | 11.0' | 59.1' |
| 20 | 342°02.3' | 124°06.7' | S 14°55.1' | 180°53.0' | 9.3' | N 11°18.4' | 11.0' | 59.1' |
| 21 | 357°04.8' | 139°06.7' | S 14°55.9' | 195°21.3' | 9.4' | N 11°07.4' | 11.1' | 59.1' |
| 22 | 12°07.3' | 154°06.7' | S 14°56.7' | 209°49.7' | 9.4' | N 10°56.3' | 11.1' | 59.1' |
| 23 | 27°09.7' | 169°06.7' | S 14°57.5' | 224°18.2' | 9.5' | N 10°45.1' | 11.2' | 59.0' |

Sat Nov 3, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|-------|-------|
| | GHA | d = 0.8' SD = 16.1' | | SD = 16.1' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 42°12.2' | 184°06.7' | S 14°58.3' | 238°46.7' | 9.5' | N 10°33.9' | 11.3' | 59.0' |
| 1 | 57°14.7' | 199°06.7' | S 14°59.1' | 253°15.2' | 9.6' | N 10°22.7' | 11.3' | 59.0' |
| 2 | 72°17.1' | 214°06.7' | S 14°59.8' | 267°43.8' | 9.6' | N 10°11.4' | 11.4' | 59.0' |
| 3 | 87°19.6' | 229°06.7' | S 15°00.6' | 282°12.4' | 9.7' | N 9°60.0' | 11.4' | 59.0' |
| 4 | 102°22.0' | 244°06.7' | S 15°01.4' | 296°41.1' | 9.7' | N 9°48.6' | 11.5' | 59.0' |
| 5 | 117°24.5' | 259°06.7' | S 15°02.2' | 311°09.8' | 9.8' | N 9°37.1' | 11.5' | 59.0' |
| 6 | 132°27.0' | 274°06.8' | S 15°03.0' | 325°38.6' | 9.8' | N 9°25.6' | 11.6' | 59.0' |
| 7 | 147°29.4' | 289°06.8' | S 15°03.8' | 340°07.4' | 9.9' | N 9°14.0' | 11.6' | 59.0' |
| 8 | 162°31.9' | 304°06.8' | S 15°04.5' | 354°36.2' | 9.9' | N 9°02.3' | 11.7' | 59.0' |
| 9 | 177°34.4' | 319°06.8' | S 15°05.3' | 9°05.1' | 9.9' | N 8°50.7' | 11.7' | 59.0' |
| 10 | 192°36.8' | 334°06.8' | S 15°06.1' | 23°34.1' | 10.0' | N 8°38.9' | 11.8' | 59.0' |
| 11 | 207°39.3' | 349°06.7' | S 15°06.9' | 38°03.1' | 10.0' | N 8°27.1' | 11.8' | 58.9' |
| 12 | 222°41.8' | 4°06.7' | S 15°07.7' | 52°32.1' | 10.1' | N 8°15.3' | 11.9' | 58.9' |
| 13 | 237°44.2' | 19°06.7' | S 15°08.4' | 67°01.2' | 10.1' | N 8°03.5' | 11.9' | 58.9' |
| 14 | 252°46.7' | 34°06.7' | S 15°09.2' | 81°30.3' | 10.2' | N 7°51.6' | 11.9' | 58.9' |
| 15 | 267°49.2' | 49°06.7' | S 15°10.0' | 95°59.4' | 10.2' | N 7°39.6' | 12.0' | 58.9' |
| 16 | 282°51.6' | 64°06.7' | S 15°10.8' | 110°28.6' | 10.2' | N 7°27.6' | 12.0' | 58.9' |
| 17 | 297°54.1' | 79°06.7' | S 15°11.5' | 124°57.9' | 10.3' | N 7°15.6' | 12.1' | 58.9' |
| 18 | 312°56.5' | 94°06.7' | S 15°12.3' | 139°27.1' | 10.3' | N 7°03.5' | 12.1' | 58.9' |
| 19 | 327°59.0' | 109°06.7' | S 15°13.1' | 153°56.4' | 10.3' | N 6°51.4' | 12.1' | 58.9' |
| 20 | 343°01.5' | 124°06.7' | S 15°13.9' | 168°25.8' | 10.4' | N 6°39.3' | 12.2' | 58.9' |
| 21 | 358°03.9' | 139°06.7' | S 15°14.6' | 182°55.1' | 10.4' | N 6°27.1' | 12.2' | 58.9' |
| 22 | 13°06.4' | 154°06.7' | S 15°15.4' | 197°24.6' | 10.5' | N 6°14.9' | 12.2' | 58.8' |
| 23 | 28°08.9' | 169°06.7' | S 15°16.2' | 211°54.0' | 10.5' | N 6°02.7' | 12.3' | 58.8' |

Sun Nov 4, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|-----------|-------|-------|
| | GHA | d = 0.8' SD = 16.1' | | SD = 16.0' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 43°11.3' | 184°06.7' | S 15°17.0' | 226°23.5' | 10.5' | N 5°50.4' | 12.3' | 58.8' |
| 1 | 58°13.8' | 199°06.7' | S 15°17.7' | 240°53.0' | 10.6' | N 5°38.1' | 12.3' | 58.8' |
| 2 | 73°16.3' | 214°06.7' | S 15°18.5' | 255°22.6' | 10.6' | N 5°25.8' | 12.3' | 58.8' |
| 3 | 88°18.7' | 229°06.7' | S 15°19.3' | 269°52.2' | 10.6' | N 5°13.5' | 12.4' | 58.8' |
| 4 | 103°21.2' | 244°06.7' | S 15°20.1' | 284°21.8' | 10.6' | N 5°01.1' | 12.4' | 58.8' |
| 5 | 118°23.6' | 259°06.7' | S 15°20.8' | 298°51.4' | 10.7' | N 4°48.7' | 12.4' | 58.8' |
| 6 | 133°26.1' | 274°06.7' | S 15°21.6' | 313°21.1' | 10.7' | N 4°36.3' | 12.4' | 58.7' |
| 7 | 148°28.6' | 289°06.7' | S 15°22.4' | 327°50.8' | 10.7' | N 4°23.9' | 12.5' | 58.7' |
| 8 | 163°31.0' | 304°06.6' | S 15°23.1' | 342°20.6' | 10.8' | N 4°11.4' | 12.5' | 58.7' |
| 9 | 178°33.5' | 319°06.6' | S 15°23.9' | 356°50.3' | 10.8' | N 3°58.9' | 12.5' | 58.7' |
| 10 | 193°36.0' | 334°06.6' | S 15°24.7' | 11°20.1' | 10.8' | N 3°46.5' | 12.5' | 58.7' |
| 11 | 208°38.4' | 349°06.6' | S 15°25.4' | 25°49.9' | 10.9' | N 3°33.9' | 12.5' | 58.7' |
| 12 | 223°40.9' | 4°06.6' | S 15°26.2' | 40°19.8' | 10.9' | N 3°21.4' | 12.5' | 58.7' |
| 13 | 238°43.4' | 19°06.6' | S 15°27.0' | 54°49.7' | 10.9' | N 3°08.9' | 12.5' | 58.7' |
| 14 | 253°45.8' | 34°06.6' | S 15°27.7' | 69°19.6' | 10.9' | N 2°56.3' | 12.6' | 58.6' |
| 15 | 268°48.3' | 49°06.6' | S 15°28.5' | 83°49.5' | 11.0' | N 2°43.8' | 12.6' | 58.6' |
| 16 | 283°50.8' | 64°06.6' | S 15°29.3' | 98°19.5' | 11.0' | N 2°31.2' | 12.6' | 58.6' |
| 17 | 298°53.2' | 79°06.6' | S 15°30.0' | 112°49.4' | 11.0' | N 2°18.6' | 12.6' | 58.6' |
| 18 | 313°55.7' | 94°06.5' | S 15°30.8' | 127°19.4' | 11.0' | N 2°06.0' | 12.6' | 58.6' |
| 19 | 328°58.1' | 109°06.5' | S 15°31.6' | 141°49.5' | 11.0' | N 1°53.5' | 12.6' | 58.6' |
| 20 | 344°00.6' | 124°06.5' | S 15°32.3' | 156°19.5' | 11.1' | N 1°40.9' | 12.6' | 58.6' |
| 21 | 359°03.1' | 139°06.5' | S 15°33.1' | 170°49.6' | 11.1' | N 1°28.3' | 12.6' | 58.5' |
| 22 | 14°05.5' | 154°06.5' | S 15°33.9' | 185°19.6' | 11.1' | N 1°15.6' | 12.6' | 58.5' |
| 23 | 29°08.0' | 169°06.5' | S 15°34.6' | 199°49.7' | 11.1' | N 1°03.0' | 12.6' | 58.5' |

Mon Nov 5, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|-----------|-------|-------|
| | GHA | d = 0.8' SD = 16.1' | | SD = 15.9' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 44°10.5' | 184°06.5' | S 15°35.4' | 214°19.9' | 11.1' | N 0°50.4' | 12.6' | 58.5' |
| 1 | 59°12.9' | 199°06.4' | S 15°36.2' | 228°50.0' | 11.2' | N 0°37.8' | 12.6' | 58.5' |
| 2 | 74°15.4' | 214°06.4' | S 15°36.9' | 243°20.2' | 11.2' | N 0°25.2' | 12.6' | 58.5' |
| 3 | 89°17.9' | 229°06.4' | S 15°37.7' | 257°50.3' | 11.2' | N 0°12.6' | 12.6' | 58.5' |
| 4 | 104°20.3' | 244°06.4' | S 15°38.4' | 272°20.5' | 11.2' | N 0°00.0' | 12.6' | 58.4' |
| 5 | 119°22.8' | 259°06.4' | S 15°39.2' | 286°50.7' | 11.2' | S 0°12.6' | 12.6' | 58.4' |
| 6 | 134°25.3' | 274°06.4' | S 15°40.0' | 301°21.0' | 11.2' | S 0°25.2' | 12.6' | 58.4' |
| 7 | 149°27.7' | 289°06.3' | S 15°40.7' | 315°51.2' | 11.2' | S 0°37.7' | 12.6' | 58.4' |
| 8 | 164°30.2' | 304°06.3' | S 15°41.5' | 330°21.4' | 11.3' | S 0°50.3' | 12.6' | 58.4' |
| 9 | 179°32.6' | 319°06.3' | S 15°42.2' | 344°51.7' | 11.3' | S 1°02.8' | 12.5' | 58.4' |
| 10 | 194°35.1' | 334°06.3' | S 15°43.0' | 359°22.0' | 11.3' | S 1°15.4' | 12.5' | 58.3' |
| 11 | 209°37.6' | 349°06.3' | S 15°43.8' | 13°52.3' | 11.3' | S 1°27.9' | 12.5' | 58.3' |
| 12 | 224°40.0' | 4°06.3' | S 15°44.5' | 28°22.6' | 11.3' | S 1°40.4' | 12.5' | 58.3' |
| 13 | 239°42.5' | 19°06.2' | S 15°45.3' | 42°52.9' | 11.3' | S 1°52.9' | 12.5' | 58.3' |
| 14 | 254°45.0' | 34°06.2' | S 15°46.0' | 57°23.2' | 11.3' | S 2°05.4' | 12.5' | 58.3' |
| 15 | 269°47.4' | 49°06.2' | S 15°46.8' | 71°53.5' | 11.3' | S 2°17.9' | 12.5' | 58.2' |
| 16 | 284°49.9' | 64°06.2' | S 15°47.5' | 86°23.8' | 11.3' | S 2°30.4' | 12.4' | 58.2' |
| 17 | 299°52.4' | 79°06.2' | S 15°48.3' | 100°54.2' | 11.3' | S 2°42.8' | 12.4' | 58.2' |
| 18 | 314°54.8' | 94°06.1' | S 15°49.1' | 115°24.5' | 11.4' | S 2°55.2' | 12.4' | 58.2' |
| 19 | 329°57.3' | 109°06.1' | S 15°49.8' | 129°54.9' | 11.4' | S 3°07.6' | 12.4' | 58.2' |
| 20 | 344°59.7' | 124°06.1' | S 15°50.6' | 144°25.2' | 11.4' | S 3°20.0' | 12.3' | 58.2' |
| 21 | 0°02.2' | 139°06.1' | S 15°51.3' | 158°55.6' | 11.4' | S 3°32.3' | 12.3' | 58.1' |
| 22 | 15°04.7' | 154°06.0' | S 15°52.1' | 173°26.0' | 11.4' | S 3°44.6' | 12.3' | 58.1' |
| 23 | 30°07.1' | 169°06.0' | S 15°52.8' | 187°56.3' | 11.4' | S 3°56.9' | 12.3' | 58.1' |

Tue Nov 6, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|-----------|-------|-------|
| | GHA | d = 0.7' SD = 16.1' | | SD = 15.8' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 45°09.6' | 184°06.0' | S 15°53.6' | 202°26.7' | 11.4' | S 4°09.2' | 12.2' | 58.1' |
| 1 | 60°12.1' | 199°06.0' | S 15°54.3' | 216°57.1' | 11.4' | S 4°21.4' | 12.2' | 58.1' |
| 2 | 75°14.5' | 214°06.0' | S 15°55.1' | 231°27.5' | 11.4' | S 4°33.6' | 12.2' | 58.0' |
| 3 | 90°17.0' | 229°05.9' | S 15°55.8' | 245°57.9' | 11.4' | S 4°45.8' | 12.1' | 58.0' |
| 4 | 105°19.5' | 244°05.9' | S 15°56.6' | 260°28.3' | 11.4' | S 4°57.9' | 12.1' | 58.0' |
| 5 | 120°21.9' | 259°05.9' | S 15°57.3' | 274°58.7' | 11.4' | S 5°10.0' | 12.1' | 58.0' |
| 6 | 135°24.4' | 274°05.9' | S 15°58.1' | 289°29.0' | 11.4' | S 5°22.1' | 12.0' | 58.0' |
| 7 | 150°26.9' | 289°05.8' | S 15°58.8' | 303°59.4' | 11.4' | S 5°34.1' | 12.0' | 57.9' |
| 8 | 165°29.3' | 304°05.8' | S 15°59.6' | 318°29.8' | 11.4' | S 5°46.1' | 12.0' | 57.9' |
| 9 | 180°31.8' | 319°05.8' | S 16°00.3' | 333°00.2' | 11.4' | S 5°58.1' | 11.9' | 57.9' |
| 10 | 195°34.2' | 334°05.8' | S 16°01.1' | 347°30.6' | 11.4' | S 6°10.0' | 11.9' | 57.9' |
| 11 | 210°36.7' | 349°05.7' | S 16°01.8' | 2°01.0' | 11.4' | S 6°21.9' | 11.8' | 57.9' |
| 12 | 225°39.2' | 4°05.7' | S 16°02.6' | 16°31.4' | 11.4' | S 6°33.8' | 11.8' | 57.8' |
| 13 | 240°41.6' | 19°05.7' | S 16°03.3' | 31°01.7' | 11.4' | S 6°45.6' | 11.8' | 57.8' |
| 14 | 255°44.1' | 34°05.6' | S 16°04.1' | 45°32.1' | 11.4' | S 6°57.3' | 11.7' | 57.8' |
| 15 | 270°46.6' | 49°05.6' | S 16°04.8' | 60°02.5' | 11.4' | S 7°09.1' | 11.7' | 57.8' |
| 16 | 285°49.0' | 64°05.6' | S 16°05.5' | 74°32.8' | 11.4' | S 7°20.7' | 11.6' | 57.8' |
| 17 | 300°51.5' | 79°05.6' | S 16°06.3' | 89°03.2' | 11.4' | S 7°32.4' | 11.6' | 57.7' |
| 18 | 315°54.0' | 94°05.5' | S 16°07.0' | 103°33.6' | 11.3' | S 7°43.9' | 11.5' | 57.7' |
| 19 | 330°56.4' | 109°05.5' | S 16°07.8' | 118°03.9' | 11.3' | S 7°55.5' | 11.5' | 57.7' |
| 20 | 345°58.9' | 124°05.5' | S 16°08.5' | 132°34.2' | 11.3' | S 8°06.9' | 11.4' | 57.7' |
| 21 | 1°01.3' | 139°05.4' | S 16°09.3' | 147°04.6' | 11.3' | S 8°18.4' | 11.4' | 57.6' |
| 22 | 16°03.8' | 154°05.4' | S 16°10.0' | 161°34.9' | 11.3' | S 8°29.8' | 11.3' | 57.6' |
| 23 | 31°06.3' | 169°05.4' | S 16°10.8' | 176°05.2' | 11.3' | S 8°41.1' | 11.3' | 57.6' |

Wed Nov 7, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|-------|-------|
| | GHA | d = 0.7' SD = 16.1' | | SD = 15.6' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 46°08.7' | 184°05.3' | S 16°11.5' | 190°35.5' | 11.3' | S 8°52.4' | 11.2' | 57.6' |
| 1 | 61°11.2' | 199°05.3' | S 16°12.2' | 205°05.8' | 11.3' | S 9°03.6' | 11.2' | 57.6' |
| 2 | 76°13.7' | 214°05.3' | S 16°13.0' | 219°36.1' | 11.3' | S 9°14.8' | 11.1' | 57.5' |
| 3 | 91°16.1' | 229°05.2' | S 16°13.7' | 234°06.4' | 11.3' | S 9°25.9' | 11.1' | 57.5' |
| 4 | 106°18.6' | 244°05.2' | S 16°14.5' | 248°36.7' | 11.3' | S 9°36.9' | 11.0' | 57.5' |
| 5 | 121°21.1' | 259°05.2' | S 16°15.2' | 263°07.0' | 11.3' | S 9°47.9' | 10.9' | 57.5' |
| 6 | 136°23.5' | 274°05.1' | S 16°15.9' | 277°37.2' | 11.2' | S 9°58.9' | 10.9' | 57.4' |
| 7 | 151°26.0' | 289°05.1' | S 16°16.7' | 292°07.5' | 11.2' | S 10°09.8' | 10.8' | 57.4' |
| 8 | 166°28.5' | 304°05.1' | S 16°17.4' | 306°37.7' | 11.2' | S 10°20.6' | 10.8' | 57.4' |
| 9 | 181°30.9' | 319°05.0' | S 16°18.1' | 321°07.9' | 11.2' | S 10°31.3' | 10.7' | 57.4' |
| 10 | 196°33.4' | 334°05.0' | S 16°18.9' | 335°38.1' | 11.2' | S 10°42.0' | 10.6' | 57.3' |
| 11 | 211°35.8' | 349°05.0' | S 16°19.6' | 350°08.3' | 11.2' | S 10°52.7' | 10.6' | 57.3' |
| 12 | 226°38.3' | 4°04.9' | S 16°20.3' | 4°38.5' | 11.2' | S 11°03.2' | 10.5' | 57.3' |
| 13 | 241°40.8' | 19°04.9' | S 16°21.1' | 19°08.7' | 11.2' | S 11°13.7' | 10.4' | 57.3' |
| 14 | 256°43.2' | 34°04.9' | S 16°21.8' | 33°38.9' | 11.2' | S 11°24.2' | 10.4' | 57.2' |
| 15 | 271°45.7' | 49°04.8' | S 16°22.6' | 48°09.0' | 11.1' | S 11°34.5' | 10.3' | 57.2' |
| 16 | 286°48.2' | 64°04.8' | S 16°23.3' | 62°39.2' | 11.1' | S 11°44.8' | 10.2' | 57.2' |
| 17 | 301°50.6' | 79°04.7' | S 16°24.0' | 77°09.3' | 11.1' | S 11°55.1' | 10.2' | 57.2' |
| 18 | 316°53.1' | 94°04.7' | S 16°24.8' | 91°39.4' | 11.1' | S 12°05.2' | 10.1' | 57.1' |
| 19 | 331°55.6' | 109°04.7' | S 16°25.5' | 106°09.5' | 11.1' | S 12°15.3' | 10.0' | 57.1' |
| 20 | 346°58.0' | 124°04.6' | S 16°26.2' | 120°39.6' | 11.1' | S 12°25.3' | 9.9' | 57.1' |
| 21 | 2°00.5' | 139°04.6' | S 16°26.9' | 135°09.7' | 11.1' | S 12°35.3' | 9.9' | 57.1' |
| 22 | 17°03.0' | 154°04.5' | S 16°27.7' | 149°39.8' | 11.0' | S 12°45.2' | 9.8' | 57.1' |
| 23 | 32°05.4' | 169°04.5' | S 16°28.4' | 164°09.8' | 11.0' | S 12°55.0' | 9.7' | 57.0' |

Thu Nov 8, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|------|-------|
| | GHA | d = 0.7' SD = 16.1' | | SD = 15.5' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 47°07.9' | 184°04.5' | S 16°29.1' | 178°39.8' | 11.0' | S 13°04.7' | 9.7' | 57.0' |
| 1 | 62°10.3' | 199°04.4' | S 16°29.9' | 193°09.9' | 11.0' | S 13°14.3' | 9.6' | 57.0' |
| 2 | 77°12.8' | 214°04.4' | S 16°30.6' | 207°39.9' | 11.0' | S 13°23.9' | 9.5' | 57.0' |
| 3 | 92°15.3' | 229°04.3' | S 16°31.3' | 222°09.9' | 11.0' | S 13°33.4' | 9.4' | 56.9' |
| 4 | 107°17.7' | 244°04.3' | S 16°32.1' | 236°39.9' | 11.0' | S 13°42.8' | 9.3' | 56.9' |
| 5 | 122°20.2' | 259°04.3' | S 16°32.8' | 251°09.8' | 11.0' | S 13°52.2' | 9.3' | 56.9' |
| 6 | 137°22.7' | 274°04.2' | S 16°33.5' | 265°39.8' | 10.9' | S 14°01.4' | 9.2' | 56.9' |
| 7 | 152°25.1' | 289°04.2' | S 16°34.2' | 280°09.7' | 10.9' | S 14°10.6' | 9.1' | 56.8' |
| 8 | 167°27.6' | 304°04.1' | S 16°35.0' | 294°39.6' | 10.9' | S 14°19.7' | 9.0' | 56.8' |
| 9 | 182°30.1' | 319°04.1' | S 16°35.7' | 309°09.5' | 10.9' | S 14°28.7' | 8.9' | 56.8' |
| 10 | 197°32.5' | 334°04.0' | S 16°36.4' | 323°39.4' | 10.9' | S 14°37.7' | 8.9' | 56.8' |
| 11 | 212°35.0' | 349°04.0' | S 16°37.1' | 338°09.3' | 10.9' | S 14°46.5' | 8.8' | 56.7' |
| 12 | 227°37.4' | 4°03.9' | S 16°37.9' | 352°39.2' | 10.9' | S 14°55.3' | 8.7' | 56.7' |
| 13 | 242°39.9' | 19°03.9' | S 16°38.6' | 7°09.0' | 10.8' | S 15°04.0' | 8.6' | 56.7' |
| 14 | 257°42.4' | 34°03.9' | S 16°39.3' | 21°38.9' | 10.8' | S 15°12.6' | 8.5' | 56.6' |
| 15 | 272°44.8' | 49°03.8' | S 16°40.0' | 36°08.7' | 10.8' | S 15°21.1' | 8.4' | 56.6' |
| 16 | 287°47.3' | 64°03.8' | S 16°40.7' | 50°38.5' | 10.8' | S 15°29.5' | 8.3' | 56.6' |
| 17 | 302°49.8' | 79°03.7' | S 16°41.5' | 65°08.3' | 10.8' | S 15°37.8' | 8.3' | 56.6' |
| 18 | 317°52.2' | 94°03.7' | S 16°42.2' | 79°38.1' | 10.8' | S 15°46.1' | 8.2' | 56.5' |
| 19 | 332°54.7' | 109°03.6' | S 16°42.9' | 94°07.9' | 10.8' | S 15°54.3' | 8.1' | 56.5' |
| 20 | 347°57.2' | 124°03.6' | S 16°43.6' | 108°37.6' | 10.7' | S 16°02.3' | 8.0' | 56.5' |
| 21 | 2°59.6' | 139°03.5' | S 16°44.4' | 123°07.4' | 10.7' | S 16°10.3' | 7.9' | 56.5' |
| 22 | 18°02.1' | 154°03.5' | S 16°45.1' | 137°37.1' | 10.7' | S 16°18.2' | 7.8' | 56.4' |
| 23 | 33°04.6' | 169°03.4' | S 16°45.8' | 152°06.8' | 10.7' | S 16°26.0' | 7.7' | 56.4' |

Fri Nov 9, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|------|-------|
| | GHA | d = 0.7' SD = 16.1' | | SD = 15.3' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 48°07.0' | 184°03.4' | S 16°46.5' | 166°36.5' | 10.7' | S 16°33.7' | 7.6' | 56.4' |
| 1 | 63°09.5' | 199°03.3' | S 16°47.2' | 181°06.2' | 10.7' | S 16°41.3' | 7.5' | 56.4' |
| 2 | 78°11.9' | 214°03.3' | S 16°47.9' | 195°35.9' | 10.7' | S 16°48.9' | 7.4' | 56.3' |
| 3 | 93°14.4' | 229°03.2' | S 16°48.7' | 210°05.6' | 10.7' | S 16°56.3' | 7.3' | 56.3' |
| 4 | 108°16.9' | 244°03.2' | S 16°49.4' | 224°35.2' | 10.6' | S 17°03.6' | 7.2' | 56.3' |
| 5 | 123°19.3' | 259°03.1' | S 16°50.1' | 239°04.9' | 10.6' | S 17°10.9' | 7.2' | 56.3' |
| 6 | 138°21.8' | 274°03.1' | S 16°50.8' | 253°34.5' | 10.6' | S 17°18.0' | 7.1' | 56.2' |
| 7 | 153°24.3' | 289°03.0' | S 16°51.5' | 268°04.1' | 10.6' | S 17°25.1' | 7.0' | 56.2' |
| 8 | 168°26.7' | 304°03.0' | S 16°52.2' | 282°33.8' | 10.6' | S 17°32.1' | 6.9' | 56.2' |
| 9 | 183°29.2' | 319°02.9' | S 16°52.9' | 297°03.4' | 10.6' | S 17°38.9' | 6.8' | 56.2' |
| 10 | 198°31.7' | 334°02.9' | S 16°53.7' | 311°32.9' | 10.6' | S 17°45.7' | 6.7' | 56.1' |
| 11 | 213°34.1' | 349°02.8' | S 16°54.4' | 326°02.5' | 10.6' | S 17°52.4' | 6.6' | 56.1' |
| 12 | 228°36.6' | 4°02.8' | S 16°55.1' | 340°32.1' | 10.6' | S 17°58.9' | 6.5' | 56.1' |
| 13 | 243°39.1' | 19°02.7' | S 16°55.8' | 355°01.7' | 10.6' | S 18°05.4' | 6.4' | 56.1' |
| 14 | 258°41.5' | 34°02.6' | S 16°56.5' | 9°31.2' | 10.5' | S 18°11.8' | 6.3' | 56.0' |
| 15 | 273°44.0' | 49°02.6' | S 16°57.2' | 24°00.8' | 10.5' | S 18°18.0' | 6.2' | 56.0' |
| 16 | 288°46.4' | 64°02.5' | S 16°57.9' | 38°30.3' | 10.5' | S 18°24.2' | 6.1' | 56.0' |
| 17 | 303°48.9' | 79°02.5' | S 16°58.6' | 52°59.8' | 10.5' | S 18°30.3' | 6.0' | 56.0' |
| 18 | 318°51.4' | 94°02.4' | S 16°59.3' | 67°29.4' | 10.5' | S 18°36.3' | 5.9' | 55.9' |
| 19 | 333°53.8' | 109°02.4' | S 17°00.1' | 81°58.9' | 10.5' | S 18°42.1' | 5.8' | 55.9' |
| 20 | 348°56.3' | 124°02.3' | S 17°00.8' | 96°28.4' | 10.5' | S 18°47.9' | 5.7' | 55.9' |
| 21 | 3°58.8' | 139°02.3' | S 17°01.5' | 110°57.9' | 10.5' | S 18°53.6' | 5.6' | 55.9' |
| 22 | 19°01.2' | 154°02.2' | S 17°02.2' | 125°27.4' | 10.5' | S 18°59.2' | 5.5' | 55.8' |
| 23 | 34°03.7' | 169°02.1' | S 17°02.9' | 139°56.9' | 10.5' | S 19°04.6' | 5.4' | 55.8' |

Sat Nov 10, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|------|-------|
| | GHA | d = 0.7' SD = 16.2' | | SD = 15.2' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 49°06.2' | 184°02.1' | S 17°03.6' | 154°26.4' | 10.5' | S 19°10.0' | 5.3' | 55.8' |
| 1 | 64°08.6' | 199°02.0' | S 17°04.3' | 168°55.9' | 10.5' | S 19°15.3' | 5.2' | 55.8' |
| 2 | 79°11.1' | 214°02.0' | S 17°05.0' | 183°25.4' | 10.5' | S 19°20.4' | 5.1' | 55.7' |
| 3 | 94°13.6' | 229°01.9' | S 17°05.7' | 197°54.8' | 10.5' | S 19°25.5' | 5.0' | 55.7' |
| 4 | 109°16.0' | 244°01.8' | S 17°06.4' | 212°24.3' | 10.5' | S 19°30.4' | 4.8' | 55.7' |
| 5 | 124°18.5' | 259°01.8' | S 17°07.1' | 226°53.8' | 10.5' | S 19°35.3' | 4.7' | 55.7' |
| 6 | 139°20.9' | 274°01.7' | S 17°07.8' | 241°23.3' | 10.5' | S 19°40.0' | 4.6' | 55.7' |
| 7 | 154°23.4' | 289°01.7' | S 17°08.5' | 255°52.7' | 10.5' | S 19°44.7' | 4.5' | 55.6' |
| 8 | 169°25.9' | 304°01.6' | S 17°09.2' | 270°22.2' | 10.5' | S 19°49.2' | 4.4' | 55.6' |
| 9 | 184°28.3' | 319°01.5' | S 17°09.9' | 284°51.7' | 10.5' | S 19°53.6' | 4.3' | 55.6' |
| 10 | 199°30.8' | 334°01.5' | S 17°10.6' | 299°21.1' | 10.5' | S 19°58.0' | 4.2' | 55.6' |
| 11 | 214°33.3' | 349°01.4' | S 17°11.3' | 313°50.6' | 10.5' | S 20°02.2' | 4.1' | 55.5' |
| 12 | 229°35.7' | 4°01.4' | S 17°12.0' | 328°20.1' | 10.5' | S 20°06.3' | 4.0' | 55.5' |
| 13 | 244°38.2' | 19°01.3' | S 17°12.7' | 342°49.5' | 10.5' | S 20°10.3' | 3.9' | 55.5' |
| 14 | 259°40.7' | 34°01.2' | S 17°13.4' | 357°19.0' | 10.5' | S 20°14.2' | 3.8' | 55.5' |
| 15 | 274°43.1' | 49°01.2' | S 17°14.1' | 11°48.5' | 10.5' | S 20°18.0' | 3.7' | 55.4' |
| 16 | 289°45.6' | 64°01.1' | S 17°14.8' | 26°18.0' | 10.5' | S 20°21.7' | 3.6' | 55.4' |
| 17 | 304°48.0' | 79°01.0' | S 17°15.5' | 40°47.4' | 10.5' | S 20°25.3' | 3.5' | 55.4' |
| 18 | 319°50.5' | 94°01.0' | S 17°16.2' | 55°16.9' | 10.5' | S 20°28.8' | 3.4' | 55.4' |
| 19 | 334°53.0' | 109°00.9' | S 17°16.9' | 69°46.4' | 10.5' | S 20°32.1' | 3.3' | 55.4' |
| 20 | 349°55.4' | 124°00.8' | S 17°17.6' | 84°15.9' | 10.5' | S 20°35.4' | 3.2' | 55.3' |
| 21 | 4°57.9' | 139°00.8' | S 17°18.3' | 98°45.4' | 10.5' | S 20°38.6' | 3.1' | 55.3' |
| 22 | 20°00.4' | 154°00.7' | S 17°19.0' | 113°14.9' | 10.5' | S 20°41.6' | 2.9' | 55.3' |
| 23 | 35°02.8' | 169°00.6' | S 17°19.7' | 127°44.4' | 10.5' | S 20°44.6' | 2.8' | 55.3' |

Sun Nov 11, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|------|-------|
| | GHA | d = 0.7' SD = 16.2' | | SD = 15.0' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 50°05.3' | 184°00.6' | S 17°20.4' | 142°14.0' | 10.5' | S 20°47.4' | 2.7' | 55.2' |
| 1 | 65°07.8' | 199°00.5' | S 17°21.1' | 156°43.5' | 10.5' | S 20°50.2' | 2.6' | 55.2' |
| 2 | 80°10.2' | 214°00.4' | S 17°21.8' | 171°13.0' | 10.6' | S 20°52.8' | 2.5' | 55.2' |
| 3 | 95°12.7' | 229°00.4' | S 17°22.5' | 185°42.6' | 10.6' | S 20°55.3' | 2.4' | 55.2' |
| 4 | 110°15.2' | 244°00.3' | S 17°23.2' | 200°12.2' | 10.6' | S 20°57.7' | 2.3' | 55.2' |
| 5 | 125°17.6' | 259°00.2' | S 17°23.8' | 214°41.7' | 10.6' | S 21°00.0' | 2.2' | 55.1' |
| 6 | 140°20.1' | 274°00.2' | S 17°24.5' | 229°11.3' | 10.6' | S 21°02.2' | 2.1' | 55.1' |
| 7 | 155°22.5' | 289°00.1' | S 17°25.2' | 243°40.9' | 10.6' | S 21°04.3' | 2.0' | 55.1' |
| 8 | 170°25.0' | 304°00.0' | S 17°25.9' | 258°10.5' | 10.6' | S 21°06.3' | 1.9' | 55.1' |
| 9 | 185°27.5' | 318°60.0' | S 17°26.6' | 272°40.1' | 10.6' | S 21°08.2' | 1.8' | 55.1' |
| 10 | 200°29.9' | 333°59.9' | S 17°27.3' | 287°09.8' | 10.6' | S 21°10.0' | 1.7' | 55.0' |
| 11 | 215°32.4' | 348°59.8' | S 17°28.0' | 301°39.4' | 10.7' | S 21°11.6' | 1.6' | 55.0' |
| 12 | 230°34.9' | 3°59.7' | S 17°28.7' | 316°09.1' | 10.7' | S 21°13.2' | 1.5' | 55.0' |
| 13 | 245°37.3' | 18°59.7' | S 17°29.4' | 330°38.7' | 10.7' | S 21°14.6' | 1.3' | 55.0' |
| 14 | 260°39.8' | 33°59.6' | S 17°30.0' | 345°08.4' | 10.7' | S 21°16.0' | 1.2' | 55.0' |
| 15 | 275°42.3' | 48°59.5' | S 17°30.7' | 359°38.1' | 10.7' | S 21°17.2' | 1.1' | 54.9' |
| 16 | 290°44.7' | 63°59.5' | S 17°31.4' | 14°07.8' | 10.7' | S 21°18.4' | 1.0' | 54.9' |
| 17 | 305°47.2' | 78°59.4' | S 17°32.1' | 28°37.6' | 10.8' | S 21°19.4' | 0.9' | 54.9' |
| 18 | 320°49.7' | 93°59.3' | S 17°32.8' | 43°07.3' | 10.8' | S 21°20.3' | 0.8' | 54.9' |
| 19 | 335°52.1' | 108°59.2' | S 17°33.5' | 57°37.1' | 10.8' | S 21°21.1' | 0.7' | 54.9' |
| 20 | 350°54.6' | 123°59.2' | S 17°34.2' | 72°06.9' | 10.8' | S 21°21.9' | 0.6' | 54.9' |
| 21 | 5°57.0' | 138°59.1' | S 17°34.8' | 86°36.7' | 10.8' | S 21°22.5' | 0.5' | 54.8' |
| 22 | 20°59.5' | 153°59.0' | S 17°35.5' | 101°06.6' | 10.9' | S 21°23.0' | 0.4' | 54.8' |
| 23 | 36°02.0' | 168°58.9' | S 17°36.2' | 115°36.4' | 10.9' | S 21°23.4' | 0.3' | 54.8' |

Mon Nov 12, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|------|-------|
| | GHA | d = 0.7' SD = 16.2' | | SD = 14.9' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 51°04.4' | 183°58.9' | S 17°36.9' | 130°06.3' | 10.9' | S 21°23.6' | 0.2' | 54.8' |
| 1 | 66°06.9' | 198°58.8' | S 17°37.6' | 144°36.2' | 10.9' | S 21°23.8' | 0.1' | 54.8' |
| 2 | 81°09.4' | 213°58.7' | S 17°38.2' | 159°06.1' | 10.9' | S 21°23.9' | 0.0' | 54.8' |
| 3 | 96°11.8' | 228°58.6' | S 17°38.9' | 173°36.0' | 11.0' | S 21°23.9' | 0.1' | 54.7' |
| 4 | 111°14.3' | 243°58.6' | S 17°39.6' | 188°06.0' | 11.0' | S 21°23.8' | 0.2' | 54.7' |
| 5 | 126°16.8' | 258°58.5' | S 17°40.3' | 202°36.0' | 11.0' | S 21°23.5' | 0.3' | 54.7' |
| 6 | 141°19.2' | 273°58.4' | S 17°41.0' | 217°06.0' | 11.0' | S 21°23.2' | 0.4' | 54.7' |
| 7 | 156°21.7' | 288°58.3' | S 17°41.6' | 231°36.0' | 11.1' | S 21°22.8' | 0.5' | 54.7' |
| 8 | 171°24.2' | 303°58.2' | S 17°42.3' | 246°06.1' | 11.1' | S 21°22.2' | 0.6' | 54.7' |
| 9 | 186°26.6' | 318°58.2' | S 17°43.0' | 260°36.2' | 11.1' | S 21°21.6' | 0.7' | 54.6' |
| 10 | 201°29.1' | 333°58.1' | S 17°43.7' | 275°06.3' | 11.1' | S 21°20.8' | 0.8' | 54.6' |
| 11 | 216°31.5' | 348°58.0' | S 17°44.3' | 289°36.4' | 11.2' | S 21°20.0' | 1.0' | 54.6' |
| 12 | 231°34.0' | 3°57.9' | S 17°45.0' | 304°06.6' | 11.2' | S 21°19.0' | 1.1' | 54.6' |
| 13 | 246°36.5' | 18°57.8' | S 17°45.7' | 318°36.8' | 11.2' | S 21°18.0' | 1.2' | 54.6' |
| 14 | 261°38.9' | 33°57.8' | S 17°46.4' | 333°07.0' | 11.2' | S 21°16.8' | 1.3' | 54.6' |
| 15 | 276°41.4' | 48°57.7' | S 17°47.0' | 347°37.2' | 11.3' | S 21°15.6' | 1.4' | 54.6' |
| 16 | 291°43.9' | 63°57.6' | S 17°47.7' | 2°07.5' | 11.3' | S 21°14.2' | 1.5' | 54.5' |
| 17 | 306°46.3' | 78°57.5' | S 17°48.4' | 16°37.8' | 11.3' | S 21°12.8' | 1.6' | 54.5' |
| 18 | 321°48.8' | 93°57.4' | S 17°49.1' | 31°08.1' | 11.4' | S 21°11.2' | 1.7' | 54.5' |
| 19 | 336°51.3' | 108°57.4' | S 17°49.7' | 45°38.5' | 11.4' | S 21°09.5' | 1.8' | 54.5' |
| 20 | 351°53.7' | 123°57.3' | S 17°50.4' | 60°08.9' | 11.4' | S 21°07.8' | 1.9' | 54.5' |
| 21 | 6°56.2' | 138°57.2' | S 17°51.1' | 74°39.3' | 11.5' | S 21°05.9' | 2.0' | 54.5' |
| 22 | 21°58.7' | 153°57.1' | S 17°51.7' | 89°09.8' | 11.5' | S 21°04.0' | 2.1' | 54.5' |
| 23 | 37°01.1' | 168°57.0' | S 17°52.4' | 103°40.3' | 11.5' | S 21°01.9' | 2.2' | 54.5' |

Tue Nov 13, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|------|-------|
| | GHA | d = 0.7' SD = 16.2' | | SD = 14.8' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 52°03.6' | 183°56.9' | S 17°53.1' | 118°10.8' | 11.5' | S 20°59.8' | 2.3' | 54.4' |
| 1 | 67°06.0' | 198°56.9' | S 17°53.7' | 132°41.3' | 11.6' | S 20°57.5' | 2.3' | 54.4' |
| 2 | 82°08.5' | 213°56.8' | S 17°54.4' | 147°11.9' | 11.6' | S 20°55.2' | 2.4' | 54.4' |
| 3 | 97°11.0' | 228°56.7' | S 17°55.1' | 161°42.5' | 11.6' | S 20°52.7' | 2.5' | 54.4' |
| 4 | 112°13.4' | 243°56.6' | S 17°55.7' | 176°13.1' | 11.7' | S 20°50.2' | 2.6' | 54.4' |
| 5 | 127°15.9' | 258°56.5' | S 17°56.4' | 190°43.8' | 11.7' | S 20°47.5' | 2.7' | 54.4' |
| 6 | 142°18.4' | 273°56.4' | S 17°57.1' | 205°14.5' | 11.7' | S 20°44.8' | 2.8' | 54.4' |
| 7 | 157°20.8' | 288°56.3' | S 17°57.7' | 219°45.3' | 11.8' | S 20°42.0' | 2.9' | 54.4' |
| 8 | 172°23.3' | 303°56.2' | S 17°58.4' | 234°16.0' | 11.8' | S 20°39.1' | 3.0' | 54.4' |
| 9 | 187°25.8' | 318°56.2' | S 17°59.1' | 248°46.8' | 11.8' | S 20°36.0' | 3.1' | 54.4' |
| 10 | 202°28.2' | 333°56.1' | S 17°59.7' | 263°17.7' | 11.9' | S 20°32.9' | 3.2' | 54.4' |
| 11 | 217°30.7' | 348°56.0' | S 18°00.4' | 277°48.5' | 11.9' | S 20°29.7' | 3.3' | 54.3' |
| 12 | 232°33.1' | 3°55.9' | S 18°01.0' | 292°19.5' | 11.9' | S 20°26.4' | 3.4' | 54.3' |
| 13 | 247°35.6' | 18°55.8' | S 18°01.7' | 306°50.4' | 12.0' | S 20°23.0' | 3.5' | 54.3' |
| 14 | 262°38.1' | 33°55.7' | S 18°02.4' | 321°21.4' | 12.0' | S 20°19.5' | 3.6' | 54.3' |
| 15 | 277°40.5' | 48°55.6' | S 18°03.0' | 335°52.4' | 12.0' | S 20°15.9' | 3.7' | 54.3' |
| 16 | 292°43.0' | 63°55.5' | S 18°03.7' | 350°23.4' | 12.1' | S 20°12.3' | 3.8' | 54.3' |
| 17 | 307°45.5' | 78°55.4' | S 18°04.4' | 4°54.5' | 12.1' | S 20°08.5' | 3.9' | 54.3' |
| 18 | 322°47.9' | 93°55.4' | S 18°05.0' | 19°25.6' | 12.2' | S 20°04.6' | 3.9' | 54.3' |
| 19 | 337°50.4' | 108°55.3' | S 18°05.7' | 33°56.8' | 12.2' | S 20°00.7' | 4.0' | 54.3' |
| 20 | 352°52.9' | 123°55.2' | S 18°06.3' | 48°28.0' | 12.2' | S 19°56.7' | 4.1' | 54.3' |
| 21 | 7°55.3' | 138°55.1' | S 18°07.0' | 62°59.2' | 12.3' | S 19°52.5' | 4.2' | 54.3' |
| 22 | 22°57.8' | 153°55.0' | S 18°07.6' | 77°30.4' | 12.3' | S 19°48.3' | 4.3' | 54.3' |
| 23 | 38°00.3' | 168°54.9' | S 18°08.3' | 92°01.7' | 12.3' | S 19°44.0' | 4.4' | 54.3' |

Wed Nov 14, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|------|-------|
| | GHA | d = 0.6' SD = 16.2' | | SD = 14.8' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 53°02.7' | 183°54.8' | S 18°08.9' | 106°33.1' | 12.4' | S 19°39.6' | 4.5' | 54.3' |
| 1 | 68°05.2' | 198°54.7' | S 18°09.6' | 121°04.4' | 12.4' | S 19°35.1' | 4.6' | 54.3' |
| 2 | 83°07.6' | 213°54.6' | S 18°10.3' | 135°35.8' | 12.4' | S 19°30.6' | 4.7' | 54.3' |
| 3 | 98°10.1' | 228°54.5' | S 18°10.9' | 150°07.3' | 12.5' | S 19°25.9' | 4.7' | 54.2' |
| 4 | 113°12.6' | 243°54.4' | S 18°11.6' | 164°38.7' | 12.5' | S 19°21.2' | 4.8' | 54.2' |
| 5 | 128°15.0' | 258°54.3' | S 18°12.2' | 179°10.3' | 12.5' | S 19°16.3' | 4.9' | 54.2' |
| 6 | 143°17.5' | 273°54.2' | S 18°12.9' | 193°41.8' | 12.6' | S 19°11.4' | 5.0' | 54.2' |
| 7 | 158°20.0' | 288°54.1' | S 18°13.5' | 208°13.4' | 12.6' | S 19°06.4' | 5.1' | 54.2' |
| 8 | 173°22.4' | 303°54.0' | S 18°14.2' | 222°45.0' | 12.7' | S 19°01.3' | 5.2' | 54.2' |
| 9 | 188°24.9' | 318°53.9' | S 18°14.8' | 237°16.7' | 12.7' | S 18°56.2' | 5.3' | 54.2' |
| 10 | 203°27.4' | 333°53.9' | S 18°15.5' | 251°48.3' | 12.7' | S 18°50.9' | 5.3' | 54.2' |
| 11 | 218°29.8' | 348°53.8' | S 18°16.1' | 266°20.1' | 12.8' | S 18°45.6' | 5.4' | 54.2' |
| 12 | 233°32.3' | 3°53.7' | S 18°16.8' | 280°51.8' | 12.8' | S 18°40.1' | 5.5' | 54.2' |
| 13 | 248°34.8' | 18°53.6' | S 18°17.4' | 295°23.6' | 12.8' | S 18°34.6' | 5.6' | 54.2' |
| 14 | 263°37.2' | 33°53.5' | S 18°18.1' | 309°55.4' | 12.9' | S 18°29.1' | 5.7' | 54.2' |
| 15 | 278°39.7' | 48°53.4' | S 18°18.7' | 324°27.3' | 12.9' | S 18°23.4' | 5.7' | 54.2' |
| 16 | 293°42.1' | 63°53.3' | S 18°19.4' | 338°59.2' | 12.9' | S 18°17.6' | 5.8' | 54.2' |
| 17 | 308°44.6' | 78°53.2' | S 18°20.0' | 353°31.1' | 13.0' | S 18°11.8' | 5.9' | 54.2' |
| 18 | 323°47.1' | 93°53.1' | S 18°20.7' | 8°03.1' | 13.0' | S 18°05.9' | 6.0' | 54.2' |
| 19 | 338°49.5' | 108°53.0' | S 18°21.3' | 22°35.1' | 13.0' | S 17°59.9' | 6.1' | 54.2' |
| 20 | 353°52.0' | 123°52.9' | S 18°21.9' | 37°07.2' | 13.1' | S 17°53.8' | 6.1' | 54.2' |
| 21 | 8°54.5' | 138°52.8' | S 18°22.6' | 51°39.2' | 13.1' | S 17°47.7' | 6.2' | 54.2' |
| 22 | 23°56.9' | 153°52.7' | S 18°23.2' | 66°11.3' | 13.1' | S 17°41.5' | 6.3' | 54.2' |
| 23 | 38°59.4' | 168°52.6' | S 18°23.9' | 80°43.5' | 13.2' | S 17°35.2' | 6.4' | 54.2' |

Thu Nov 15, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|------|-------|
| | GHA | d = 0.6' SD = 16.2' | | SD = 14.8' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 54°01.9' | 183°52.5' | S 18°24.5' | 95°15.7' | 13.2' | S 17°28.8' | 6.5' | 54.2' |
| 1 | 69°04.3' | 198°52.4' | S 18°25.2' | 109°47.9' | 13.2' | S 17°22.3' | 6.5' | 54.2' |
| 2 | 84°06.8' | 213°52.3' | S 18°25.8' | 124°20.1' | 13.3' | S 17°15.8' | 6.6' | 54.2' |
| 3 | 99°09.2' | 228°52.2' | S 18°26.4' | 138°52.4' | 13.3' | S 17°09.2' | 6.7' | 54.3' |
| 4 | 114°11.7' | 243°52.1' | S 18°27.1' | 153°24.7' | 13.3' | S 17°02.5' | 6.8' | 54.3' |
| 5 | 129°14.2' | 258°51.9' | S 18°27.7' | 167°57.0' | 13.4' | S 16°55.8' | 6.8' | 54.3' |
| 6 | 144°16.6' | 273°51.8' | S 18°28.4' | 182°29.4' | 13.4' | S 16°48.9' | 6.9' | 54.3' |
| 7 | 159°19.1' | 288°51.7' | S 18°29.0' | 197°01.8' | 13.4' | S 16°42.0' | 7.0' | 54.3' |
| 8 | 174°21.6' | 303°51.6' | S 18°29.6' | 211°34.2' | 13.5' | S 16°35.0' | 7.1' | 54.3' |
| 9 | 189°24.0' | 318°51.5' | S 18°30.3' | 226°06.7' | 13.5' | S 16°28.0' | 7.1' | 54.3' |
| 10 | 204°26.5' | 333°51.4' | S 18°30.9' | 240°39.2' | 13.5' | S 16°20.9' | 7.2' | 54.3' |
| 11 | 219°29.0' | 348°51.3' | S 18°31.5' | 255°11.7' | 13.6' | S 16°13.7' | 7.3' | 54.3' |
| 12 | 234°31.4' | 3°51.2' | S 18°32.2' | 269°44.3' | 13.6' | S 16°06.4' | 7.3' | 54.3' |
| 13 | 249°33.9' | 18°51.1' | S 18°32.8' | 284°16.9' | 13.6' | S 15°59.0' | 7.4' | 54.3' |
| 14 | 264°36.4' | 33°51.0' | S 18°33.4' | 298°49.5' | 13.6' | S 15°51.6' | 7.5' | 54.3' |
| 15 | 279°38.8' | 48°50.9' | S 18°34.1' | 313°22.1' | 13.7' | S 15°44.2' | 7.5' | 54.3' |
| 16 | 294°41.3' | 63°50.8' | S 18°34.7' | 327°54.8' | 13.7' | S 15°36.6' | 7.6' | 54.3' |
| 17 | 309°43.7' | 78°50.7' | S 18°35.3' | 342°27.5' | 13.7' | S 15°29.0' | 7.7' | 54.3' |
| 18 | 324°46.2' | 93°50.6' | S 18°36.0' | 357°00.3' | 13.8' | S 15°21.3' | 7.8' | 54.3' |
| 19 | 339°48.7' | 108°50.5' | S 18°36.6' | 11°33.0' | 13.8' | S 15°13.6' | 7.8' | 54.3' |
| 20 | 354°51.1' | 123°50.4' | S 18°37.2' | 26°05.8' | 13.8' | S 15°05.7' | 7.9' | 54.4' |
| 21 | 9°53.6' | 138°50.2' | S 18°37.9' | 40°38.6' | 13.8' | S 14°57.8' | 8.0' | 54.4' |
| 22 | 24°56.1' | 153°50.1' | S 18°38.5' | 55°11.5' | 13.9' | S 14°49.9' | 8.0' | 54.4' |
| 23 | 39°58.5' | 168°50.0' | S 18°39.1' | 69°44.3' | 13.9' | S 14°41.9' | 8.1' | 54.4' |

Fri Nov 16, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|------|-------|
| | GHA | d = 0.6' SD = 16.2' | | SD = 14.9' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 55°01.0' | 183°49.9' | S 18°39.7' | 84°17.2' | 13.9' | S 14°33.8' | 8.2' | 54.4' |
| 1 | 70°03.5' | 198°49.8' | S 18°40.4' | 98°50.2' | 13.9' | S 14°25.6' | 8.2' | 54.4' |
| 2 | 85°05.9' | 213°49.7' | S 18°41.0' | 113°23.1' | 14.0' | S 14°17.4' | 8.3' | 54.4' |
| 3 | 100°08.4' | 228°49.6' | S 18°41.6' | 127°56.1' | 14.0' | S 14°09.1' | 8.3' | 54.4' |
| 4 | 115°10.9' | 243°49.5' | S 18°42.3' | 142°29.1' | 14.0' | S 14°00.8' | 8.4' | 54.4' |
| 5 | 130°13.3' | 258°49.4' | S 18°42.9' | 157°02.1' | 14.0' | S 13°52.4' | 8.5' | 54.4' |
| 6 | 145°15.8' | 273°49.2' | S 18°43.5' | 171°35.1' | 14.1' | S 13°43.9' | 8.5' | 54.5' |
| 7 | 160°18.2' | 288°49.1' | S 18°44.1' | 186°08.2' | 14.1' | S 13°35.4' | 8.6' | 54.5' |
| 8 | 175°20.7' | 303°49.0' | S 18°44.8' | 200°41.3' | 14.1' | S 13°26.8' | 8.7' | 54.5' |
| 9 | 190°23.2' | 318°48.9' | S 18°45.4' | 215°14.4' | 14.1' | S 13°18.1' | 8.7' | 54.5' |
| 10 | 205°25.6' | 333°48.8' | S 18°46.0' | 229°47.5' | 14.1' | S 13°09.4' | 8.8' | 54.5' |
| 11 | 220°28.1' | 348°48.7' | S 18°46.6' | 244°20.6' | 14.2' | S 13°00.7' | 8.8' | 54.5' |
| 12 | 235°30.6' | 3°48.6' | S 18°47.2' | 258°53.8' | 14.2' | S 12°51.8' | 8.9' | 54.5' |
| 13 | 250°33.0' | 18°48.5' | S 18°47.9' | 273°27.0' | 14.2' | S 12°42.9' | 8.9' | 54.6' |
| 14 | 265°35.5' | 33°48.3' | S 18°48.5' | 288°00.2' | 14.2' | S 12°34.0' | 9.0' | 54.6' |
| 15 | 280°38.0' | 48°48.2' | S 18°49.1' | 302°33.4' | 14.2' | S 12°25.0' | 9.1' | 54.6' |
| 16 | 295°40.4' | 63°48.1' | S 18°49.7' | 317°06.7' | 14.3' | S 12°15.9' | 9.1' | 54.6' |
| 17 | 310°42.9' | 78°48.0' | S 18°50.3' | 331°39.9' | 14.3' | S 12°06.8' | 9.2' | 54.6' |
| 18 | 325°45.3' | 93°47.9' | S 18°51.0' | 346°13.2' | 14.3' | S 11°57.6' | 9.2' | 54.6' |
| 19 | 340°47.8' | 108°47.8' | S 18°51.6' | 0°46.5' | 14.3' | S 11°48.4' | 9.3' | 54.6' |
| 20 | 355°50.3' | 123°47.6' | S 18°52.2' | 15°19.8' | 14.3' | S 11°39.1' | 9.3' | 54.7' |
| 21 | 10°52.7' | 138°47.5' | S 18°52.8' | 29°53.1' | 14.3' | S 11°29.7' | 9.4' | 54.7' |
| 22 | 25°55.2' | 153°47.4' | S 18°53.4' | 44°26.4' | 14.3' | S 11°20.3' | 9.5' | 54.7' |
| 23 | 40°57.7' | 168°47.3' | S 18°54.0' | 58°59.8' | 14.4' | S 11°10.9' | 9.5' | 54.7' |

Sat Nov 17, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|-------|-------|
| | GHA | d = 0.6' SD = 16.2' | | SD = 15.0' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 56°00.1' | 183°47.2' | S 18°54.7' | 73°33.1' | 14.4' | S 11°01.4' | 9.6' | 54.7' |
| 1 | 71°02.6' | 198°47.0' | S 18°55.3' | 88°06.5' | 14.4' | S 10°51.8' | 9.6' | 54.7' |
| 2 | 86°05.1' | 213°46.9' | S 18°55.9' | 102°39.9' | 14.4' | S 10°42.2' | 9.7' | 54.8' |
| 3 | 101°07.5' | 228°46.8' | S 18°56.5' | 117°13.3' | 14.4' | S 10°32.6' | 9.7' | 54.8' |
| 4 | 116°10.0' | 243°46.7' | S 18°57.1' | 131°46.7' | 14.4' | S 10°22.9' | 9.8' | 54.8' |
| 5 | 131°12.5' | 258°46.6' | S 18°57.7' | 146°20.1' | 14.4' | S 10°13.1' | 9.8' | 54.8' |
| 6 | 146°14.9' | 273°46.4' | S 18°58.3' | 160°53.5' | 14.4' | S 10°03.3' | 9.9' | 54.8' |
| 7 | 161°17.4' | 288°46.3' | S 18°58.9' | 175°27.0' | 14.4' | S 9°53.4' | 9.9' | 54.8' |
| 8 | 176°19.8' | 303°46.2' | S 18°59.5' | 190°00.4' | 14.4' | S 9°43.5' | 10.0' | 54.9' |
| 9 | 191°22.3' | 318°46.1' | S 19°00.2' | 204°33.8' | 14.5' | S 9°33.6' | 10.0' | 54.9' |
| 10 | 206°24.8' | 333°46.0' | S 19°00.8' | 219°07.3' | 14.5' | S 9°23.5' | 10.1' | 54.9' |
| 11 | 221°27.2' | 348°45.8' | S 19°01.4' | 233°40.8' | 14.5' | S 9°13.5' | 10.1' | 54.9' |
| 12 | 236°29.7' | 3°45.7' | S 19°02.0' | 248°14.2' | 14.5' | S 9°03.4' | 10.1' | 54.9' |
| 13 | 251°32.2' | 18°45.6' | S 19°02.6' | 262°47.7' | 14.5' | S 8°53.2' | 10.2' | 55.0' |
| 14 | 266°34.6' | 33°45.5' | S 19°03.2' | 277°21.2' | 14.5' | S 8°43.1' | 10.2' | 55.0' |
| 15 | 281°37.1' | 48°45.3' | S 19°03.8' | 291°54.6' | 14.5' | S 8°32.8' | 10.3' | 55.0' |
| 16 | 296°39.6' | 63°45.2' | S 19°04.4' | 306°28.1' | 14.5' | S 8°22.5' | 10.3' | 55.0' |
| 17 | 311°42.0' | 78°45.1' | S 19°05.0' | 321°01.6' | 14.5' | S 8°12.2' | 10.4' | 55.1' |
| 18 | 326°44.5' | 93°45.0' | S 19°05.6' | 335°35.1' | 14.5' | S 8°01.8' | 10.4' | 55.1' |
| 19 | 341°47.0' | 108°44.8' | S 19°06.2' | 350°08.6' | 14.5' | S 7°51.4' | 10.5' | 55.1' |
| 20 | 356°49.4' | 123°44.7' | S 19°06.8' | 4°42.0' | 14.5' | S 7°41.0' | 10.5' | 55.1' |
| 21 | 11°51.9' | 138°44.6' | S 19°07.4' | 19°15.5' | 14.5' | S 7°30.5' | 10.5' | 55.1' |
| 22 | 26°54.3' | 153°44.5' | S 19°08.0' | 33°49.0' | 14.5' | S 7°19.9' | 10.6' | 55.2' |
| 23 | 41°56.8' | 168°44.3' | S 19°08.6' | 48°22.5' | 14.5' | S 7°09.4' | 10.6' | 55.2' |

Sun Nov 18, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|-----------|-------|-------|
| | GHA | d = 0.6' SD = 16.2' | | SD = 15.1' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 56°59.3' | 183°44.2' | S 19°09.2' | 62°55.9' | 14.5' | S 6°58.7' | 10.7' | 55.2' |
| 1 | 72°01.7' | 198°44.1' | S 19°09.8' | 77°29.4' | 14.5' | S 6°48.1' | 10.7' | 55.2' |
| 2 | 87°04.2' | 213°43.9' | S 19°10.4' | 92°02.9' | 14.5' | S 6°37.4' | 10.7' | 55.3' |
| 3 | 102°06.7' | 228°43.8' | S 19°11.0' | 106°36.3' | 14.4' | S 6°26.7' | 10.8' | 55.3' |
| 4 | 117°09.1' | 243°43.7' | S 19°11.6' | 121°09.8' | 14.4' | S 6°15.9' | 10.8' | 55.3' |
| 5 | 132°11.6' | 258°43.6' | S 19°12.2' | 135°43.2' | 14.4' | S 6°05.1' | 10.8' | 55.3' |
| 6 | 147°14.1' | 273°43.4' | S 19°12.8' | 150°16.6' | 14.4' | S 5°54.2' | 10.9' | 55.4' |
| 7 | 162°16.5' | 288°43.3' | S 19°13.4' | 164°50.1' | 14.4' | S 5°43.4' | 10.9' | 55.4' |
| 8 | 177°19.0' | 303°43.2' | S 19°14.0' | 179°23.5' | 14.4' | S 5°32.4' | 10.9' | 55.4' |
| 9 | 192°21.4' | 318°43.0' | S 19°14.6' | 193°56.9' | 14.4' | S 5°21.5' | 11.0' | 55.4' |
| 10 | 207°23.9' | 333°42.9' | S 19°15.2' | 208°30.3' | 14.4' | S 5°10.5' | 11.0' | 55.5' |
| 11 | 222°26.4' | 348°42.8' | S 19°15.8' | 223°03.7' | 14.4' | S 4°59.5' | 11.0' | 55.5' |
| 12 | 237°28.8' | 3°42.7' | S 19°16.4' | 237°37.0' | 14.4' | S 4°48.5' | 11.1' | 55.5' |
| 13 | 252°31.3' | 18°42.5' | S 19°17.0' | 252°10.4' | 14.3' | S 4°37.4' | 11.1' | 55.5' |
| 14 | 267°33.8' | 33°42.4' | S 19°17.6' | 266°43.7' | 14.3' | S 4°26.3' | 11.1' | 55.6' |
| 15 | 282°36.2' | 48°42.3' | S 19°18.1' | 281°17.1' | 14.3' | S 4°15.1' | 11.2' | 55.6' |
| 16 | 297°38.7' | 63°42.1' | S 19°18.7' | 295°50.4' | 14.3' | S 4°03.9' | 11.2' | 55.6' |
| 17 | 312°41.2' | 78°42.0' | S 19°19.3' | 310°23.7' | 14.3' | S 3°52.7' | 11.2' | 55.6' |
| 18 | 327°43.6' | 93°41.9' | S 19°19.9' | 324°56.9' | 14.3' | S 3°41.5' | 11.3' | 55.7' |
| 19 | 342°46.1' | 108°41.7' | S 19°20.5' | 339°30.2' | 14.2' | S 3°30.3' | 11.3' | 55.7' |
| 20 | 357°48.6' | 123°41.6' | S 19°21.1' | 354°03.4' | 14.2' | S 3°19.0' | 11.3' | 55.7' |
| 21 | 12°51.0' | 138°41.5' | S 19°21.7' | 8°36.7' | 14.2' | S 3°07.7' | 11.3' | 55.7' |
| 22 | 27°53.5' | 153°41.3' | S 19°22.3' | 23°09.9' | 14.2' | S 2°56.3' | 11.4' | 55.8' |
| 23 | 42°55.9' | 168°41.2' | S 19°22.9' | 37°43.0' | 14.2' | S 2°45.0' | 11.4' | 55.8' |

Mon Nov 19, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|-----------|-------|-------|
| | GHA | d = 0.6' SD = 16.2' | | SD = 15.3' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 57°58.4' | 183°41.0' | S 19°23.4' | 52°16.2' | 14.1' | S 2°33.6' | 11.4' | 55.8' |
| 1 | 73°00.9' | 198°40.9' | S 19°24.0' | 66°49.3' | 14.1' | S 2°22.2' | 11.4' | 55.9' |
| 2 | 88°03.3' | 213°40.8' | S 19°24.6' | 81°22.4' | 14.1' | S 2°10.7' | 11.5' | 55.9' |
| 3 | 103°05.8' | 228°40.6' | S 19°25.2' | 95°55.5' | 14.1' | S 1°59.3' | 11.5' | 55.9' |
| 4 | 118°08.3' | 243°40.5' | S 19°25.8' | 110°28.6' | 14.0' | S 1°47.8' | 11.5' | 55.9' |
| 5 | 133°10.7' | 258°40.4' | S 19°26.4' | 125°01.6' | 14.0' | S 1°36.3' | 11.5' | 56.0' |
| 6 | 148°13.2' | 273°40.2' | S 19°26.9' | 139°34.6' | 14.0' | S 1°24.8' | 11.5' | 56.0' |
| 7 | 163°15.7' | 288°40.1' | S 19°27.5' | 154°07.6' | 13.9' | S 1°13.2' | 11.6' | 56.0' |
| 8 | 178°18.1' | 303°39.9' | S 19°28.1' | 168°40.5' | 13.9' | S 1°01.7' | 11.6' | 56.1' |
| 9 | 193°20.6' | 318°39.8' | S 19°28.7' | 183°13.5' | 13.9' | S 0°50.1' | 11.6' | 56.1' |
| 10 | 208°23.1' | 333°39.7' | S 19°29.3' | 197°46.3' | 13.9' | S 0°38.5' | 11.6' | 56.1' |
| 11 | 223°25.5' | 348°39.5' | S 19°29.8' | 212°19.2' | 13.8' | S 0°26.9' | 11.6' | 56.1' |
| 12 | 238°28.0' | 3°39.4' | S 19°30.4' | 226°52.0' | 13.8' | S 0°15.3' | 11.6' | 56.2' |
| 13 | 253°30.4' | 18°39.2' | S 19°31.0' | 241°24.8' | 13.8' | S 0°03.6' | 11.7' | 56.2' |
| 14 | 268°32.9' | 33°39.1' | S 19°31.6' | 255°57.6' | 13.7' | N 0°08.0' | 11.7' | 56.2' |
| 15 | 283°35.4' | 48°39.0' | S 19°32.2' | 270°30.3' | 13.7' | N 0°19.7' | 11.7' | 56.3' |
| 16 | 298°37.8' | 63°38.8' | S 19°32.7' | 285°03.0' | 13.7' | N 0°31.4' | 11.7' | 56.3' |
| 17 | 313°40.3' | 78°38.7' | S 19°33.3' | 299°35.6' | 13.6' | N 0°43.0' | 11.7' | 56.3' |
| 18 | 328°42.8' | 93°38.5' | S 19°33.9' | 314°08.3' | 13.6' | N 0°54.7' | 11.7' | 56.4' |
| 19 | 343°45.2' | 108°38.4' | S 19°34.5' | 328°40.8' | 13.5' | N 1°06.5' | 11.7' | 56.4' |
| 20 | 358°47.7' | 123°38.3' | S 19°35.0' | 343°13.4' | 13.5' | N 1°18.2' | 11.7' | 56.4' |
| 21 | 13°50.2' | 138°38.1' | S 19°35.6' | 357°45.9' | 13.5' | N 1°29.9' | 11.7' | 56.4' |
| 22 | 28°52.6' | 153°38.0' | S 19°36.2' | 12°18.3' | 13.4' | N 1°41.6' | 11.7' | 56.5' |
| 23 | 43°55.1' | 168°37.8' | S 19°36.7' | 26°50.7' | 13.4' | N 1°53.4' | 11.7' | 56.5' |

Tue Nov 20, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|-----------|-------|-------|
| | GHA | d = 0.6' SD = 16.2' | | SD = 15.5' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 58°57.5' | 183°37.7' | S 19°37.3' | 41°23.1' | 13.3' | N 2°05.1' | 11.8' | 56.5' |
| 1 | 74°00.0' | 198°37.5' | S 19°37.9' | 55°55.5' | 13.3' | N 2°16.9' | 11.8' | 56.6' |
| 2 | 89°02.5' | 213°37.4' | S 19°38.5' | 70°27.7' | 13.2' | N 2°28.6' | 11.8' | 56.6' |
| 3 | 104°04.9' | 228°37.2' | S 19°39.0' | 84°60.0' | 13.2' | N 2°40.4' | 11.8' | 56.6' |
| 4 | 119°07.4' | 243°37.1' | S 19°39.6' | 99°32.2' | 13.2' | N 2°52.1' | 11.8' | 56.7' |
| 5 | 134°09.9' | 258°37.0' | S 19°40.2' | 114°04.3' | 13.1' | N 3°03.9' | 11.8' | 56.7' |
| 6 | 149°12.3' | 273°36.8' | S 19°40.7' | 128°36.4' | 13.1' | N 3°15.7' | 11.8' | 56.7' |
| 7 | 164°14.8' | 288°36.7' | S 19°41.3' | 143°08.5' | 13.0' | N 3°27.4' | 11.8' | 56.8' |
| 8 | 179°17.3' | 303°36.5' | S 19°41.9' | 157°40.5' | 13.0' | N 3°39.2' | 11.8' | 56.8' |
| 9 | 194°19.7' | 318°36.4' | S 19°42.4' | 172°12.5' | 12.9' | N 3°50.9' | 11.8' | 56.8' |
| 10 | 209°22.2' | 333°36.2' | S 19°43.0' | 186°44.4' | 12.9' | N 4°02.7' | 11.7' | 56.9' |
| 11 | 224°24.7' | 348°36.1' | S 19°43.6' | 201°16.2' | 12.8' | N 4°14.4' | 11.7' | 56.9' |
| 12 | 239°27.1' | 3°35.9' | S 19°44.1' | 215°48.0' | 12.8' | N 4°26.2' | 11.7' | 56.9' |
| 13 | 254°29.6' | 18°35.8' | S 19°44.7' | 230°19.8' | 12.7' | N 4°37.9' | 11.7' | 57.0' |
| 14 | 269°32.0' | 33°35.6' | S 19°45.2' | 244°51.5' | 12.6' | N 4°49.6' | 11.7' | 57.0' |
| 15 | 284°34.5' | 48°35.5' | S 19°45.8' | 259°23.1' | 12.6' | N 5°01.3' | 11.7' | 57.0' |
| 16 | 299°37.0' | 63°35.3' | S 19°46.4' | 273°54.7' | 12.5' | N 5°13.1' | 11.7' | 57.0' |
| 17 | 314°39.4' | 78°35.2' | S 19°46.9' | 288°26.3' | 12.5' | N 5°24.7' | 11.7' | 57.1' |
| 18 | 329°41.9' | 93°35.0' | S 19°47.5' | 302°57.7' | 12.4' | N 5°36.4' | 11.7' | 57.1' |
| 19 | 344°44.4' | 108°34.9' | S 19°48.0' | 317°29.2' | 12.4' | N 5°48.1' | 11.7' | 57.1' |
| 20 | 359°46.8' | 123°34.7' | S 19°48.6' | 332°00.5' | 12.3' | N 5°59.8' | 11.6' | 57.2' |
| 21 | 14°49.3' | 138°34.6' | S 19°49.2' | 346°31.8' | 12.2' | N 6°11.4' | 11.6' | 57.2' |
| 22 | 29°51.8' | 153°34.4' | S 19°49.7' | 1°03.1' | 12.2' | N 6°23.0' | 11.6' | 57.2' |
| 23 | 44°54.2' | 168°34.3' | S 19°50.3' | 15°34.3' | 12.1' | N 6°34.6' | 11.6' | 57.3' |

Wed Nov 21, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|-------|-------|
| | GHA | d = 0.5' SD = 16.2' | | SD = 15.7' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 59°56.7' | 183°34.1' | S 19°50.8' | 30°05.4' | 12.1' | N 6°46.2' | 11.6' | 57.3' |
| 1 | 74°59.1' | 198°34.0' | S 19°51.4' | 44°36.4' | 12.0' | N 6°57.8' | 11.5' | 57.3' |
| 2 | 90°01.6' | 213°33.8' | S 19°51.9' | 59°07.4' | 11.9' | N 7°09.3' | 11.5' | 57.4' |
| 3 | 105°04.1' | 228°33.7' | S 19°52.5' | 73°38.4' | 11.9' | N 7°20.9' | 11.5' | 57.4' |
| 4 | 120°06.5' | 243°33.5' | S 19°53.0' | 88°09.2' | 11.8' | N 7°32.4' | 11.5' | 57.4' |
| 5 | 135°09.0' | 258°33.3' | S 19°53.6' | 102°40.0' | 11.7' | N 7°43.9' | 11.5' | 57.5' |
| 6 | 150°11.5' | 273°33.2' | S 19°54.2' | 117°10.8' | 11.7' | N 7°55.3' | 11.4' | 57.5' |
| 7 | 165°13.9' | 288°33.0' | S 19°54.7' | 131°41.5' | 11.6' | N 8°06.7' | 11.4' | 57.5' |
| 8 | 180°16.4' | 303°32.9' | S 19°55.3' | 146°12.1' | 11.5' | N 8°18.1' | 11.4' | 57.6' |
| 9 | 195°18.9' | 318°32.7' | S 19°55.8' | 160°42.6' | 11.5' | N 8°29.5' | 11.3' | 57.6' |
| 10 | 210°21.3' | 333°32.6' | S 19°56.4' | 175°13.1' | 11.4' | N 8°40.9' | 11.3' | 57.6' |
| 11 | 225°23.8' | 348°32.4' | S 19°56.9' | 189°43.5' | 11.3' | N 8°52.2' | 11.3' | 57.6' |
| 12 | 240°26.3' | 3°32.3' | S 19°57.5' | 204°13.8' | 11.3' | N 9°03.4' | 11.2' | 57.7' |
| 13 | 255°28.7' | 18°32.1' | S 19°58.0' | 218°44.1' | 11.2' | N 9°14.7' | 11.2' | 57.7' |
| 14 | 270°31.2' | 33°31.9' | S 19°58.5' | 233°14.3' | 11.1' | N 9°25.9' | 11.2' | 57.7' |
| 15 | 285°33.6' | 48°31.8' | S 19°59.1' | 247°44.4' | 11.0' | N 9°37.1' | 11.1' | 57.8' |
| 16 | 300°36.1' | 63°31.6' | S 19°59.6' | 262°14.4' | 11.0' | N 9°48.2' | 11.1' | 57.8' |
| 17 | 315°38.6' | 78°31.5' | S 20°00.2' | 276°44.4' | 10.9' | N 9°59.3' | 11.1' | 57.8' |
| 18 | 330°41.0' | 93°31.3' | S 20°00.7' | 291°14.3' | 10.8' | N 10°10.4' | 11.0' | 57.9' |
| 19 | 345°43.5' | 108°31.2' | S 20°01.3' | 305°44.1' | 10.8' | N 10°21.4' | 11.0' | 57.9' |
| 20 | 0°46.0' | 123°31.0' | S 20°01.8' | 320°13.9' | 10.7' | N 10°32.4' | 10.9' | 57.9' |
| 21 | 15°48.4' | 138°30.8' | S 20°02.4' | 334°43.6' | 10.6' | N 10°43.3' | 10.9' | 58.0' |
| 22 | 30°50.9' | 153°30.7' | S 20°02.9' | 349°13.2' | 10.5' | N 10°54.2' | 10.8' | 58.0' |
| 23 | 45°53.4' | 168°30.5' | S 20°03.4' | 3°42.7' | 10.5' | N 11°05.0' | 10.8' | 58.0' |

Thu Nov 22, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|-------|-------|
| | GHA | d = 0.5' SD = 16.2' | | SD = 15.9' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 60°55.8' | 183°30.4' | S 20°04.0' | 18°12.2' | 10.4' | N 11°15.8' | 10.7' | 58.0' |
| 1 | 75°58.3' | 198°30.2' | S 20°04.5' | 32°41.5' | 10.3' | N 11°26.6' | 10.7' | 58.1' |
| 2 | 91°00.8' | 213°30.0' | S 20°05.1' | 47°10.8' | 10.2' | N 11°37.2' | 10.6' | 58.1' |
| 3 | 106°03.2' | 228°29.9' | S 20°05.6' | 61°40.1' | 10.1' | N 11°47.9' | 10.6' | 58.1' |
| 4 | 121°05.7' | 243°29.7' | S 20°06.1' | 76°09.2' | 10.1' | N 11°58.5' | 10.5' | 58.2' |
| 5 | 136°08.1' | 258°29.5' | S 20°06.7' | 90°38.3' | 10.0' | N 12°09.0' | 10.5' | 58.2' |
| 6 | 151°10.6' | 273°29.4' | S 20°07.2' | 105°07.3' | 9.9' | N 12°19.5' | 10.4' | 58.2' |
| 7 | 166°13.1' | 288°29.2' | S 20°07.8' | 119°36.2' | 9.8' | N 12°29.9' | 10.4' | 58.3' |
| 8 | 181°15.5' | 303°29.1' | S 20°08.3' | 134°05.0' | 9.7' | N 12°40.3' | 10.3' | 58.3' |
| 9 | 196°18.0' | 318°28.9' | S 20°08.8' | 148°33.7' | 9.7' | N 12°50.6' | 10.2' | 58.3' |
| 10 | 211°20.5' | 333°28.7' | S 20°09.4' | 163°02.4' | 9.6' | N 13°00.8' | 10.2' | 58.3' |
| 11 | 226°22.9' | 348°28.6' | S 20°09.9' | 177°31.0' | 9.5' | N 13°11.0' | 10.1' | 58.4' |
| 12 | 241°25.4' | 3°28.4' | S 20°10.4' | 191°59.5' | 9.4' | N 13°21.1' | 10.1' | 58.4' |
| 13 | 256°27.9' | 18°28.2' | S 20°11.0' | 206°27.9' | 9.3' | N 13°31.2' | 10.0' | 58.4' |
| 14 | 271°30.3' | 33°28.1' | S 20°11.5' | 220°56.3' | 9.3' | N 13°41.2' | 9.9' | 58.4' |
| 15 | 286°32.8' | 48°27.9' | S 20°12.0' | 235°24.5' | 9.2' | N 13°51.1' | 9.8' | 58.5' |
| 16 | 301°35.2' | 63°27.7' | S 20°12.5' | 249°52.7' | 9.1' | N 14°00.9' | 9.8' | 58.5' |
| 17 | 316°37.7' | 78°27.6' | S 20°13.1' | 264°20.8' | 9.0' | N 14°10.7' | 9.7' | 58.5' |
| 18 | 331°40.2' | 93°27.4' | S 20°13.6' | 278°48.9' | 8.9' | N 14°20.4' | 9.6' | 58.6' |
| 19 | 346°42.6' | 108°27.2' | S 20°14.1' | 293°16.8' | 8.9' | N 14°30.0' | 9.6' | 58.6' |
| 20 | 1°45.1' | 123°27.1' | S 20°14.7' | 307°44.6' | 8.8' | N 14°39.6' | 9.5' | 58.6' |
| 21 | 16°47.6' | 138°26.9' | S 20°15.2' | 322°12.4' | 8.7' | N 14°49.1' | 9.4' | 58.6' |
| 22 | 31°50.0' | 153°26.7' | S 20°15.7' | 336°40.1' | 8.6' | N 14°58.5' | 9.3' | 58.7' |
| 23 | 46°52.5' | 168°26.6' | S 20°16.2' | 351°07.7' | 8.5' | N 15°07.8' | 9.2' | 58.7' |

Fri Nov 23, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|------|------------|------|-------|
| | GHA | d = 0.5' SD = 16.2' | | SD = 16.1' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 61°55.0' | 183°26.4' | S 20°16.8' | 5°35.3' | 8.4' | N 15°17.0' | 9.2' | 58.7' |
| 1 | 76°57.4' | 198°26.2' | S 20°17.3' | 20°02.7' | 8.4' | N 15°26.2' | 9.1' | 58.7' |
| 2 | 91°59.9' | 213°26.1' | S 20°17.8' | 34°30.1' | 8.3' | N 15°35.3' | 9.0' | 58.8' |
| 3 | 107°02.4' | 228°25.9' | S 20°18.3' | 48°57.4' | 8.2' | N 15°44.3' | 8.9' | 58.8' |
| 4 | 122°04.8' | 243°25.7' | S 20°18.9' | 63°24.6' | 8.1' | N 15°53.2' | 8.8' | 58.8' |
| 5 | 137°07.3' | 258°25.5' | S 20°19.4' | 77°51.7' | 8.0' | N 16°02.0' | 8.7' | 58.8' |
| 6 | 152°09.7' | 273°25.4' | S 20°19.9' | 92°18.7' | 8.0' | N 16°10.7' | 8.6' | 58.9' |
| 7 | 167°12.2' | 288°25.2' | S 20°20.4' | 106°45.7' | 7.9' | N 16°19.4' | 8.5' | 58.9' |
| 8 | 182°14.7' | 303°25.0' | S 20°20.9' | 121°12.5' | 7.8' | N 16°27.9' | 8.5' | 58.9' |
| 9 | 197°17.1' | 318°24.9' | S 20°21.5' | 135°39.3' | 7.7' | N 16°36.4' | 8.4' | 58.9' |
| 10 | 212°19.6' | 333°24.7' | S 20°22.0' | 150°06.1' | 7.6' | N 16°44.7' | 8.3' | 59.0' |
| 11 | 227°22.1' | 348°24.5' | S 20°22.5' | 164°32.7' | 7.6' | N 16°53.0' | 8.2' | 59.0' |
| 12 | 242°24.5' | 3°24.3' | S 20°23.0' | 178°59.3' | 7.5' | N 17°01.2' | 8.1' | 59.0' |
| 13 | 257°27.0' | 18°24.2' | S 20°23.5' | 193°25.7' | 7.4' | N 17°09.2' | 8.0' | 59.0' |
| 14 | 272°29.5' | 33°24.0' | S 20°24.1' | 207°52.1' | 7.3' | N 17°17.2' | 7.9' | 59.0' |
| 15 | 287°31.9' | 48°23.8' | S 20°24.6' | 222°18.5' | 7.2' | N 17°25.1' | 7.8' | 59.1' |
| 16 | 302°34.4' | 63°23.6' | S 20°25.1' | 236°44.7' | 7.2' | N 17°32.8' | 7.7' | 59.1' |
| 17 | 317°36.9' | 78°23.5' | S 20°25.6' | 251°10.9' | 7.1' | N 17°40.5' | 7.6' | 59.1' |
| 18 | 332°39.3' | 93°23.3' | S 20°26.1' | 265°37.0' | 7.0' | N 17°48.0' | 7.4' | 59.1' |
| 19 | 347°41.8' | 108°23.1' | S 20°26.6' | 280°03.0' | 6.9' | N 17°55.5' | 7.3' | 59.1' |
| 20 | 2°44.2' | 123°22.9' | S 20°27.1' | 294°28.9' | 6.9' | N 18°02.8' | 7.2' | 59.2' |
| 21 | 17°46.7' | 138°22.8' | S 20°27.7' | 308°54.8' | 6.8' | N 18°10.1' | 7.1' | 59.2' |
| 22 | 32°49.2' | 153°22.6' | S 20°28.2' | 323°20.6' | 6.7' | N 18°17.2' | 7.0' | 59.2' |
| 23 | 47°51.6' | 168°22.4' | S 20°28.7' | 337°46.3' | 6.6' | N 18°24.2' | 6.9' | 59.2' |

Sat Nov 24, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|------|------------|------|-------|
| | GHA | d = 0.5' SD = 16.2' | | SD = 16.2' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 62°54.1' | 183°22.2' | S 20°29.2' | 352°11.9' | 6.6' | N 18°31.1' | 6.8' | 59.2' |
| 1 | 77°56.6' | 198°22.1' | S 20°29.7' | 6°37.5' | 6.5' | N 18°37.9' | 6.7' | 59.3' |
| 2 | 92°59.0' | 213°21.9' | S 20°30.2' | 21°03.0' | 6.4' | N 18°44.5' | 6.5' | 59.3' |
| 3 | 108°01.5' | 228°21.7' | S 20°30.7' | 35°28.4' | 6.4' | N 18°51.1' | 6.4' | 59.3' |
| 4 | 123°04.0' | 243°21.5' | S 20°31.2' | 49°53.8' | 6.3' | N 18°57.5' | 6.3' | 59.3' |
| 5 | 138°06.4' | 258°21.3' | S 20°31.7' | 64°19.1' | 6.2' | N 19°03.8' | 6.2' | 59.3' |
| 6 | 153°08.9' | 273°21.2' | S 20°32.2' | 78°44.3' | 6.2' | N 19°10.0' | 6.1' | 59.4' |
| 7 | 168°11.4' | 288°21.0' | S 20°32.7' | 93°09.4' | 6.1' | N 19°16.1' | 5.9' | 59.4' |
| 8 | 183°13.8' | 303°20.8' | S 20°33.2' | 107°34.5' | 6.0' | N 19°22.0' | 5.8' | 59.4' |
| 9 | 198°16.3' | 318°20.6' | S 20°33.7' | 121°59.6' | 6.0' | N 19°27.8' | 5.7' | 59.4' |
| 10 | 213°18.7' | 333°20.4' | S 20°34.2' | 136°24.5' | 5.9' | N 19°33.5' | 5.6' | 59.4' |
| 11 | 228°21.2' | 348°20.3' | S 20°34.7' | 150°49.4' | 5.8' | N 19°39.1' | 5.4' | 59.4' |
| 12 | 243°23.7' | 3°20.1' | S 20°35.2' | 165°14.3' | 5.8' | N 19°44.6' | 5.3' | 59.5' |
| 13 | 258°26.1' | 18°19.9' | S 20°35.7' | 179°39.0' | 5.7' | N 19°49.9' | 5.2' | 59.5' |
| 14 | 273°28.6' | 33°19.7' | S 20°36.2' | 194°03.7' | 5.7' | N 19°55.1' | 5.1' | 59.5' |
| 15 | 288°31.1' | 48°19.5' | S 20°36.7' | 208°28.4' | 5.6' | N 20°00.1' | 4.9' | 59.5' |
| 16 | 303°33.5' | 63°19.4' | S 20°37.2' | 222°53.0' | 5.5' | N 20°05.0' | 4.8' | 59.5' |
| 17 | 318°36.0' | 78°19.2' | S 20°37.7' | 237°17.6' | 5.5' | N 20°09.8' | 4.7' | 59.5' |
| 18 | 333°38.5' | 93°19.0' | S 20°38.2' | 251°42.1' | 5.4' | N 20°14.5' | 4.5' | 59.5' |
| 19 | 348°40.9' | 108°18.8' | S 20°38.7' | 266°06.5' | 5.4' | N 20°19.0' | 4.4' | 59.6' |
| 20 | 3°43.4' | 123°18.6' | S 20°39.2' | 280°30.9' | 5.3' | N 20°23.4' | 4.3' | 59.6' |
| 21 | 18°45.9' | 138°18.4' | S 20°39.7' | 294°55.2' | 5.3' | N 20°27.7' | 4.1' | 59.6' |
| 22 | 33°48.3' | 153°18.3' | S 20°40.2' | 309°19.5' | 5.2' | N 20°31.8' | 4.0' | 59.6' |
| 23 | 48°50.8' | 168°18.1' | S 20°40.7' | 323°43.8' | 5.2' | N 20°35.8' | 3.8' | 59.6' |

Sun Nov 25, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|------|------------|------|-------|
| | GHA | d = 0.5' SD = 16.2' | | SD = 16.3' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 63°53.2' | 183°17.9' | S 20°41.2' | 338°08.0' | 5.2' | N 20°39.6' | 3.7' | 59.6' |
| 1 | 78°55.7' | 198°17.7' | S 20°41.7' | 352°32.1' | 5.1' | N 20°43.3' | 3.6' | 59.6' |
| 2 | 93°58.2' | 213°17.5' | S 20°42.2' | 6°56.2' | 5.1' | N 20°46.9' | 3.4' | 59.6' |
| 3 | 109°00.6' | 228°17.3' | S 20°42.7' | 21°20.3' | 5.0' | N 20°50.3' | 3.3' | 59.6' |
| 4 | 124°03.1' | 243°17.1' | S 20°43.2' | 35°44.3' | 5.0' | N 20°53.6' | 3.1' | 59.7' |
| 5 | 139°05.6' | 258°17.0' | S 20°43.7' | 50°08.3' | 5.0' | N 20°56.7' | 3.0' | 59.7' |
| 6 | 154°08.0' | 273°16.8' | S 20°44.2' | 64°32.3' | 4.9' | N 20°59.7' | 2.9' | 59.7' |
| 7 | 169°10.5' | 288°16.6' | S 20°44.7' | 78°56.2' | 4.9' | N 21°02.6' | 2.7' | 59.7' |
| 8 | 184°13.0' | 303°16.4' | S 20°45.1' | 93°20.1' | 4.9' | N 21°05.3' | 2.6' | 59.7' |
| 9 | 199°15.4' | 318°16.2' | S 20°45.6' | 107°43.9' | 4.8' | N 21°07.8' | 2.4' | 59.7' |
| 10 | 214°17.9' | 333°16.0' | S 20°46.1' | 122°07.7' | 4.8' | N 21°10.3' | 2.3' | 59.7' |
| 11 | 229°20.3' | 348°15.8' | S 20°46.6' | 136°31.5' | 4.8' | N 21°12.5' | 2.1' | 59.7' |
| 12 | 244°22.8' | 3°15.6' | S 20°47.1' | 150°55.3' | 4.7' | N 21°14.7' | 2.0' | 59.7' |
| 13 | 259°25.3' | 18°15.4' | S 20°47.6' | 165°19.0' | 4.7' | N 21°16.6' | 1.8' | 59.7' |
| 14 | 274°27.7' | 33°15.3' | S 20°48.1' | 179°42.7' | 4.7' | N 21°18.5' | 1.7' | 59.7' |
| 15 | 289°30.2' | 48°15.1' | S 20°48.5' | 194°06.4' | 4.7' | N 21°20.2' | 1.5' | 59.7' |
| 16 | 304°32.7' | 63°14.9' | S 20°49.0' | 208°30.1' | 4.7' | N 21°21.7' | 1.4' | 59.8' |
| 17 | 319°35.1' | 78°14.7' | S 20°49.5' | 222°53.8' | 4.6' | N 21°23.1' | 1.2' | 59.8' |
| 18 | 334°37.6' | 93°14.5' | S 20°50.0' | 237°17.4' | 4.6' | N 21°24.3' | 1.1' | 59.8' |
| 19 | 349°40.1' | 108°14.3' | S 20°50.5' | 251°41.0' | 4.6' | N 21°25.4' | 0.9' | 59.8' |
| 20 | 4°42.5' | 123°14.1' | S 20°51.0' | 266°04.6' | 4.6' | N 21°26.4' | 0.8' | 59.8' |
| 21 | 19°45.0' | 138°13.9' | S 20°51.4' | 280°28.2' | 4.6' | N 21°27.2' | 0.6' | 59.8' |
| 22 | 34°47.5' | 153°13.7' | S 20°51.9' | 294°51.8' | 4.6' | N 21°27.8' | 0.5' | 59.8' |
| 23 | 49°49.9' | 168°13.5' | S 20°52.4' | 309°15.4' | 4.6' | N 21°28.3' | 0.3' | 59.8' |

Mon Nov 26, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|------|------------|------|-------|
| | GHA | d = 0.5' SD = 16.2' | | SD = 16.3' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 64°52.4' | 183°13.3' | S 20°52.9' | 323°39.0' | 4.6' | N 21°28.7' | 0.2' | 59.8' |
| 1 | 79°54.8' | 198°13.1' | S 20°53.3' | 338°02.6' | 4.6' | N 21°28.9' | 0.1' | 59.8' |
| 2 | 94°57.3' | 213°13.0' | S 20°53.8' | 352°26.1' | 4.6' | N 21°28.9' | 0.1' | 59.8' |
| 3 | 109°59.8' | 228°12.8' | S 20°54.3' | 6°49.7' | 4.6' | N 21°28.8' | 0.2' | 59.8' |
| 4 | 125°02.2' | 243°12.6' | S 20°54.8' | 21°13.3' | 4.6' | N 21°28.6' | 0.4' | 59.8' |
| 5 | 140°04.7' | 258°12.4' | S 20°55.2' | 35°36.8' | 4.6' | N 21°28.2' | 0.5' | 59.8' |
| 6 | 155°07.2' | 273°12.2' | S 20°55.7' | 50°00.4' | 4.6' | N 21°27.6' | 0.7' | 59.8' |
| 7 | 170°09.6' | 288°12.0' | S 20°56.2' | 64°24.0' | 4.6' | N 21°26.9' | 0.8' | 59.8' |
| 8 | 185°12.1' | 303°11.8' | S 20°56.7' | 78°47.6' | 4.6' | N 21°26.1' | 1.0' | 59.8' |
| 9 | 200°14.6' | 318°11.6' | S 20°57.1' | 93°11.2' | 4.6' | N 21°25.1' | 1.1' | 59.8' |
| 10 | 215°17.0' | 333°11.4' | S 20°57.6' | 107°34.8' | 4.6' | N 21°23.9' | 1.3' | 59.8' |
| 11 | 230°19.5' | 348°11.2' | S 20°58.1' | 121°58.4' | 4.6' | N 21°22.7' | 1.4' | 59.8' |
| 12 | 245°22.0' | 3°11.0' | S 20°58.5' | 136°22.0' | 4.7' | N 21°21.2' | 1.6' | 59.8' |
| 13 | 260°24.4' | 18°10.8' | S 20°59.0' | 150°45.7' | 4.7' | N 21°19.6' | 1.7' | 59.8' |
| 14 | 275°26.9' | 33°10.6' | S 20°59.5' | 165°09.4' | 4.7' | N 21°17.9' | 1.9' | 59.8' |
| 15 | 290°29.3' | 48°10.4' | S 20°60.0' | 179°33.0' | 4.7' | N 21°16.0' | 2.0' | 59.8' |
| 16 | 305°31.8' | 63°10.2' | S 21°00.4' | 193°56.8' | 4.7' | N 21°14.0' | 2.2' | 59.8' |
| 17 | 320°34.3' | 78°10.0' | S 21°00.9' | 208°20.5' | 4.8' | N 21°11.8' | 2.3' | 59.8' |
| 18 | 335°36.7' | 93°09.8' | S 21°01.4' | 222°44.2' | 4.8' | N 21°09.5' | 2.5' | 59.8' |
| 19 | 350°39.2' | 108°09.6' | S 21°01.8' | 237°08.0' | 4.8' | N 21°07.0' | 2.6' | 59.8' |
| 20 | 5°41.7' | 123°09.4' | S 21°02.3' | 251°31.8' | 4.8' | N 21°04.4' | 2.8' | 59.8' |
| 21 | 20°44.1' | 138°09.2' | S 21°02.7' | 265°55.7' | 4.9' | N 21°01.6' | 2.9' | 59.8' |
| 22 | 35°46.6' | 153°09.0' | S 21°03.2' | 280°19.6' | 4.9' | N 20°58.7' | 3.1' | 59.8' |
| 23 | 50°49.1' | 168°08.8' | S 21°03.7' | 294°43.5' | 4.9' | N 20°55.6' | 3.2' | 59.8' |

Tue Nov 27, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|------|------------|------|-------|
| | GHA | d = 0.5' SD = 16.2' | | SD = 16.3' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 65°51.5' | 183°08.6' | S 21°04.1' | 309°07.4' | 5.0' | N 20°52.4' | 3.3' | 59.8' |
| 1 | 80°54.0' | 198°08.4' | S 21°04.6' | 323°31.4' | 5.0' | N 20°49.1' | 3.5' | 59.8' |
| 2 | 95°56.5' | 213°08.2' | S 21°05.1' | 337°55.4' | 5.0' | N 20°45.6' | 3.6' | 59.8' |
| 3 | 110°58.9' | 228°08.0' | S 21°05.5' | 352°19.4' | 5.1' | N 20°42.0' | 3.8' | 59.8' |
| 4 | 126°01.4' | 243°07.8' | S 21°06.0' | 6°43.5' | 5.1' | N 20°38.2' | 3.9' | 59.8' |
| 5 | 141°03.8' | 258°07.6' | S 21°06.4' | 21°07.6' | 5.2' | N 20°34.3' | 4.0' | 59.8' |
| 6 | 156°06.3' | 273°07.4' | S 21°06.9' | 35°31.8' | 5.2' | N 20°30.3' | 4.2' | 59.8' |
| 7 | 171°08.8' | 288°07.2' | S 21°07.3' | 49°56.0' | 5.3' | N 20°26.1' | 4.3' | 59.8' |
| 8 | 186°11.2' | 303°07.0' | S 21°07.8' | 64°20.3' | 5.3' | N 20°21.8' | 4.5' | 59.7' |
| 9 | 201°13.7' | 318°06.8' | S 21°08.3' | 78°44.6' | 5.3' | N 20°17.3' | 4.6' | 59.7' |
| 10 | 216°16.2' | 333°06.6' | S 21°08.7' | 93°08.9' | 5.4' | N 20°12.7' | 4.7' | 59.7' |
| 11 | 231°18.6' | 348°06.4' | S 21°09.2' | 107°33.3' | 5.4' | N 20°08.0' | 4.9' | 59.7' |
| 12 | 246°21.1' | 3°06.2' | S 21°09.6' | 121°57.8' | 5.5' | N 20°03.2' | 5.0' | 59.7' |
| 13 | 261°23.6' | 18°06.0' | S 21°10.1' | 136°22.3' | 5.5' | N 19°58.2' | 5.1' | 59.7' |
| 14 | 276°26.0' | 33°05.8' | S 21°10.5' | 150°46.8' | 5.6' | N 19°53.0' | 5.3' | 59.7' |
| 15 | 291°28.5' | 48°05.6' | S 21°11.0' | 165°11.4' | 5.7' | N 19°47.8' | 5.4' | 59.7' |
| 16 | 306°31.0' | 63°05.3' | S 21°11.4' | 179°36.1' | 5.7' | N 19°42.4' | 5.5' | 59.7' |
| 17 | 321°33.4' | 78°05.1' | S 21°11.9' | 194°00.8' | 5.8' | N 19°36.9' | 5.6' | 59.7' |
| 18 | 336°35.9' | 93°04.9' | S 21°12.3' | 208°25.6' | 5.8' | N 19°31.2' | 5.8' | 59.7' |
| 19 | 351°38.3' | 108°04.7' | S 21°12.8' | 222°50.4' | 5.9' | N 19°25.4' | 5.9' | 59.7' |
| 20 | 6°40.8' | 123°04.5' | S 21°13.2' | 237°15.3' | 5.9' | N 19°19.5' | 6.0' | 59.7' |
| 21 | 21°43.3' | 138°04.3' | S 21°13.7' | 251°40.2' | 6.0' | N 19°13.5' | 6.2' | 59.7' |
| 22 | 36°45.7' | 153°04.1' | S 21°14.1' | 266°05.2' | 6.1' | N 19°07.4' | 6.3' | 59.6' |
| 23 | 51°48.2' | 168°03.9' | S 21°14.6' | 280°30.3' | 6.1' | N 19°01.1' | 6.4' | 59.6' |

Wed Nov 28, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|------|------------|------|-------|
| | GHA | d = 0.4' SD = 16.2' | | SD = 16.2' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 66°50.7' | 183°03.7' | S 21°15.0' | 294°55.4' | 6.2' | N 18°54.7' | 6.5' | 59.6' |
| 1 | 81°53.1' | 198°03.5' | S 21°15.4' | 309°20.6' | 6.2' | N 18°48.2' | 6.6' | 59.6' |
| 2 | 96°55.6' | 213°03.3' | S 21°15.9' | 323°45.8' | 6.3' | N 18°41.5' | 6.8' | 59.6' |
| 3 | 111°58.1' | 228°03.1' | S 21°16.3' | 338°11.1' | 6.4' | N 18°34.7' | 6.9' | 59.6' |
| 4 | 127°00.5' | 243°02.9' | S 21°16.8' | 352°36.5' | 6.4' | N 18°27.9' | 7.0' | 59.6' |
| 5 | 142°03.0' | 258°02.6' | S 21°17.2' | 7°01.9' | 6.5' | N 18°20.9' | 7.1' | 59.6' |
| 6 | 157°05.5' | 273°02.4' | S 21°17.7' | 21°27.4' | 6.6' | N 18°13.8' | 7.2' | 59.6' |
| 7 | 172°07.9' | 288°02.2' | S 21°18.1' | 35°53.0' | 6.6' | N 18°06.5' | 7.3' | 59.6' |
| 8 | 187°10.4' | 303°02.0' | S 21°18.5' | 50°18.6' | 6.7' | N 17°59.2' | 7.5' | 59.5' |
| 9 | 202°12.8' | 318°01.8' | S 21°19.0' | 64°44.3' | 6.8' | N 17°51.7' | 7.6' | 59.5' |
| 10 | 217°15.3' | 333°01.6' | S 21°19.4' | 79°10.1' | 6.8' | N 17°44.2' | 7.7' | 59.5' |
| 11 | 232°17.8' | 348°01.4' | S 21°19.8' | 93°35.9' | 6.9' | N 17°36.5' | 7.8' | 59.5' |
| 12 | 247°20.2' | 3°01.2' | S 21°20.3' | 108°01.8' | 7.0' | N 17°28.7' | 7.9' | 59.5' |
| 13 | 262°22.7' | 18°00.9' | S 21°20.7' | 122°27.8' | 7.0' | N 17°20.8' | 8.0' | 59.5' |
| 14 | 277°25.2' | 33°00.7' | S 21°21.2' | 136°53.8' | 7.1' | N 17°12.8' | 8.1' | 59.5' |
| 15 | 292°27.6' | 48°00.5' | S 21°21.6' | 151°20.0' | 7.2' | N 17°04.7' | 8.2' | 59.5' |
| 16 | 307°30.1' | 63°00.3' | S 21°22.0' | 165°46.1' | 7.2' | N 16°56.5' | 8.3' | 59.4' |
| 17 | 322°32.6' | 78°00.1' | S 21°22.5' | 180°12.4' | 7.3' | N 16°48.2' | 8.4' | 59.4' |
| 18 | 337°35.0' | 92°59.9' | S 21°22.9' | 194°38.7' | 7.4' | N 16°39.8' | 8.5' | 59.4' |
| 19 | 352°37.5' | 107°59.7' | S 21°23.3' | 209°05.1' | 7.5' | N 16°31.3' | 8.6' | 59.4' |
| 20 | 7°39.9' | 122°59.5' | S 21°23.8' | 223°31.5' | 7.5' | N 16°22.6' | 8.7' | 59.4' |
| 21 | 22°42.4' | 137°59.2' | S 21°24.2' | 237°58.1' | 7.6' | N 16°13.9' | 8.8' | 59.4' |
| 22 | 37°44.9' | 152°59.0' | S 21°24.6' | 252°24.7' | 7.7' | N 16°05.1' | 8.9' | 59.4' |
| 23 | 52°47.3' | 167°58.8' | S 21°25.0' | 266°51.3' | 7.7' | N 15°56.2' | 9.0' | 59.4' |

Thu Nov 29, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|------|------------|-------|-------|
| | GHA | d = 0.4' SD = 16.2' | | SD = 16.1' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 67°49.8' | 182°58.6' | S 21°25.5' | 281°18.1' | 7.8' | N 15°47.2' | 9.1' | 59.3' |
| 1 | 82°52.3' | 197°58.4' | S 21°25.9' | 295°44.9' | 7.9' | N 15°38.1' | 9.2' | 59.3' |
| 2 | 97°54.7' | 212°58.2' | S 21°26.3' | 310°11.8' | 7.9' | N 15°29.0' | 9.3' | 59.3' |
| 3 | 112°57.2' | 227°57.9' | S 21°26.7' | 324°38.7' | 8.0' | N 15°19.7' | 9.4' | 59.3' |
| 4 | 127°59.7' | 242°57.7' | S 21°27.2' | 339°05.7' | 8.1' | N 15°10.3' | 9.4' | 59.3' |
| 5 | 143°02.1' | 257°57.5' | S 21°27.6' | 353°32.8' | 8.2' | N 15°00.9' | 9.5' | 59.3' |
| 6 | 158°04.6' | 272°57.3' | S 21°28.0' | 7°60.0' | 8.2' | N 14°51.4' | 9.6' | 59.3' |
| 7 | 173°07.1' | 287°57.1' | S 21°28.4' | 22°27.2' | 8.3' | N 14°41.7' | 9.7' | 59.2' |
| 8 | 188°09.5' | 302°56.8' | S 21°28.9' | 36°54.5' | 8.4' | N 14°32.1' | 9.8' | 59.2' |
| 9 | 203°12.0' | 317°56.6' | S 21°29.3' | 51°21.9' | 8.4' | N 14°22.3' | 9.9' | 59.2' |
| 10 | 218°14.4' | 332°56.4' | S 21°29.7' | 65°49.3' | 8.5' | N 14°12.4' | 9.9' | 59.2' |
| 11 | 233°16.9' | 347°56.2' | S 21°30.1' | 80°16.8' | 8.6' | N 14°02.5' | 10.0' | 59.2' |
| 12 | 248°19.4' | 2°56.0' | S 21°30.6' | 94°44.4' | 8.6' | N 13°52.4' | 10.1' | 59.2' |
| 13 | 263°21.8' | 17°55.8' | S 21°31.0' | 109°12.0' | 8.7' | N 13°42.4' | 10.2' | 59.2' |
| 14 | 278°24.3' | 32°55.5' | S 21°31.4' | 123°39.8' | 8.8' | N 13°32.2' | 10.2' | 59.1' |
| 15 | 293°26.8' | 47°55.3' | S 21°31.8' | 138°07.5' | 8.8' | N 13°21.9' | 10.3' | 59.1' |
| 16 | 308°29.2' | 62°55.1' | S 21°32.2' | 152°35.4' | 8.9' | N 13°11.6' | 10.4' | 59.1' |
| 17 | 323°31.7' | 77°54.9' | S 21°32.6' | 167°03.3' | 9.0' | N 13°01.2' | 10.5' | 59.1' |
| 18 | 338°34.2' | 92°54.6' | S 21°33.1' | 181°31.3' | 9.0' | N 12°50.8' | 10.5' | 59.1' |
| 19 | 353°36.6' | 107°54.4' | S 21°33.5' | 195°59.3' | 9.1' | N 12°40.2' | 10.6' | 59.1' |
| 20 | 8°39.1' | 122°54.2' | S 21°33.9' | 210°27.4' | 9.2' | N 12°29.6' | 10.7' | 59.1' |
| 21 | 23°41.6' | 137°54.0' | S 21°34.3' | 224°55.6' | 9.2' | N 12°19.0' | 10.7' | 59.0' |
| 22 | 38°44.0' | 152°53.8' | S 21°34.7' | 239°23.9' | 9.3' | N 12°08.2' | 10.8' | 59.0' |
| 23 | 53°46.5' | 167°53.5' | S 21°35.1' | 253°52.2' | 9.4' | N 11°57.4' | 10.9' | 59.0' |

Fri Nov 30, 2018 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|-------|-------|
| | GHA | d = 0.4' SD = 16.2' | | SD = 16.0' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 68°48.9' | 182°53.3' | S 21°35.5' | 268°20.6' | 9.4' | N 11°46.6' | 10.9' | 59.0' |
| 1 | 83°51.4' | 197°53.1' | S 21°35.9' | 282°49.0' | 9.5' | N 11°35.7' | 11.0' | 59.0' |
| 2 | 98°53.9' | 212°52.9' | S 21°36.4' | 297°17.5' | 9.6' | N 11°24.7' | 11.0' | 59.0' |
| 3 | 113°56.3' | 227°52.6' | S 21°36.8' | 311°46.1' | 9.6' | N 11°13.6' | 11.1' | 58.9' |
| 4 | 128°58.8' | 242°52.4' | S 21°37.2' | 326°14.7' | 9.7' | N 11°02.5' | 11.2' | 58.9' |
| 5 | 144°01.3' | 257°52.2' | S 21°37.6' | 340°43.4' | 9.7' | N 10°51.4' | 11.2' | 58.9' |
| 6 | 159°03.7' | 272°52.0' | S 21°38.0' | 355°12.1' | 9.8' | N 10°40.2' | 11.3' | 58.9' |
| 7 | 174°06.2' | 287°51.7' | S 21°38.4' | 9°40.9' | 9.9' | N 10°28.9' | 11.3' | 58.9' |
| 8 | 189°08.7' | 302°51.5' | S 21°38.8' | 24°09.8' | 9.9' | N 10°17.6' | 11.4' | 58.9' |
| 9 | 204°11.1' | 317°51.3' | S 21°39.2' | 38°38.7' | 10.0' | N 10°06.3' | 11.4' | 58.8' |
| 10 | 219°13.6' | 332°51.1' | S 21°39.6' | 53°07.7' | 10.0' | N 9°54.8' | 11.5' | 58.8' |
| 11 | 234°16.0' | 347°50.8' | S 21°40.0' | 67°36.8' | 10.1' | N 9°43.4' | 11.5' | 58.8' |
| 12 | 249°18.5' | 2°50.6' | S 21°40.4' | 82°05.9' | 10.2' | N 9°31.9' | 11.6' | 58.8' |
| 13 | 264°21.0' | 17°50.4' | S 21°40.8' | 96°35.0' | 10.2' | N 9°20.3' | 11.6' | 58.8' |
| 14 | 279°23.4' | 32°50.1' | S 21°41.2' | 111°04.2' | 10.3' | N 9°08.7' | 11.6' | 58.8' |
| 15 | 294°25.9' | 47°49.9' | S 21°41.6' | 125°33.5' | 10.3' | N 8°57.1' | 11.7' | 58.7' |
| 16 | 309°28.4' | 62°49.7' | S 21°42.0' | 140°02.8' | 10.4' | N 8°45.4' | 11.7' | 58.7' |
| 17 | 324°30.8' | 77°49.5' | S 21°42.4' | 154°32.2' | 10.4' | N 8°33.6' | 11.8' | 58.7' |
| 18 | 339°33.3' | 92°49.2' | S 21°42.8' | 169°01.6' | 10.5' | N 8°21.9' | 11.8' | 58.7' |
| 19 | 354°35.8' | 107°49.0' | S 21°43.2' | 183°31.1' | 10.5' | N 8°10.1' | 11.8' | 58.7' |
| 20 | 9°38.2' | 122°48.8' | S 21°43.6' | 198°00.6' | 10.6' | N 7°58.2' | 11.9' | 58.6' |
| 21 | 24°40.7' | 137°48.5' | S 21°44.0' | 212°30.2' | 10.6' | N 7°46.3' | 11.9' | 58.6' |
| 22 | 39°43.2' | 152°48.3' | S 21°44.4' | 226°59.8' | 10.7' | N 7°34.4' | 12.0' | 58.6' |
| 23 | 54°45.6' | 167°48.1' | S 21°44.8' | 241°29.5' | 10.7' | N 7°22.5' | 12.0' | 58.6' |