

Thu Aug 1, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|------|------------|------|-------|
| | GHA | d = 0.6' SD = 15.8' | | SD = 16.6' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 309°18.8' | 178°24.1' | N 18°08.3' | 179°50.5' | 4.2' | N 20°16.5' | 6.4' | 60.8' |
| 1 | 324°21.3' | 193°24.2' | N 18°07.7' | 194°13.6' | 4.2' | N 20°10.1' | 6.5' | 60.8' |
| 2 | 339°23.8' | 208°24.2' | N 18°07.1' | 208°36.8' | 4.2' | N 20°03.6' | 6.7' | 60.8' |
| 3 | 354°26.2' | 223°24.2' | N 18°06.4' | 223°00.1' | 4.3' | N 19°56.9' | 6.8' | 60.8' |
| 4 | 9°28.7' | 238°24.3' | N 18°05.8' | 237°23.3' | 4.3' | N 19°50.1' | 7.0' | 60.8' |
| 5 | 24°31.2' | 253°24.3' | N 18°05.2' | 251°46.6' | 4.3' | N 19°43.2' | 7.1' | 60.8' |
| 6 | 39°33.6' | 268°24.3' | N 18°04.6' | 266°10.0' | 4.4' | N 19°36.1' | 7.3' | 60.9' |
| 7 | 54°36.1' | 283°24.4' | N 18°03.9' | 280°33.4' | 4.4' | N 19°28.8' | 7.4' | 60.9' |
| 8 | 69°38.5' | 298°24.4' | N 18°03.3' | 294°56.8' | 4.5' | N 19°21.4' | 7.5' | 60.9' |
| 9 | 84°41.0' | 313°24.4' | N 18°02.7' | 309°20.3' | 4.5' | N 19°13.9' | 7.7' | 60.9' |
| 10 | 99°43.5' | 328°24.5' | N 18°02.0' | 323°43.8' | 4.6' | N 19°06.2' | 7.8' | 60.9' |
| 11 | 114°45.9' | 343°24.5' | N 18°01.4' | 338°07.4' | 4.6' | N 18°58.4' | 8.0' | 60.9' |
| 12 | 129°48.4' | 358°24.6' | N 18°00.8' | 352°31.0' | 4.7' | N 18°50.4' | 8.1' | 60.9' |
| 13 | 144°50.9' | 13°24.6' | N 18°00.2' | 6°54.6' | 4.7' | N 18°42.3' | 8.2' | 60.9' |
| 14 | 159°53.3' | 28°24.6' | N 17°59.5' | 21°18.4' | 4.8' | N 18°34.1' | 8.4' | 60.9' |
| 15 | 174°55.8' | 43°24.7' | N 17°58.9' | 35°42.1' | 4.8' | N 18°25.8' | 8.5' | 60.9' |
| 16 | 189°58.3' | 58°24.7' | N 17°58.3' | 50°06.0' | 4.9' | N 18°17.3' | 8.6' | 61.0' |
| 17 | 205°00.7' | 73°24.7' | N 17°57.6' | 64°29.8' | 4.9' | N 18°08.6' | 8.8' | 61.0' |
| 18 | 220°03.2' | 88°24.8' | N 17°57.0' | 78°53.8' | 5.0' | N 17°59.9' | 8.9' | 61.0' |
| 19 | 235°05.7' | 103°24.8' | N 17°56.4' | 93°17.7' | 5.0' | N 17°51.0' | 9.0' | 61.0' |
| 20 | 250°08.1' | 118°24.9' | N 17°55.7' | 107°41.8' | 5.1' | N 17°42.0' | 9.1' | 61.0' |
| 21 | 265°10.6' | 133°24.9' | N 17°55.1' | 122°05.9' | 5.2' | N 17°32.9' | 9.3' | 61.0' |
| 22 | 280°13.0' | 148°24.9' | N 17°54.5' | 136°30.1' | 5.2' | N 17°23.6' | 9.4' | 61.0' |
| 23 | 295°15.5' | 163°25.0' | N 17°53.8' | 150°54.3' | 5.3' | N 17°14.2' | 9.5' | 61.0' |

Fri Aug 2, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|------|------------|-------|-------|
| | GHA | d = 0.6' SD = 15.8' | | SD = 16.6' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 310°18.0' | 178°25.0' | N 17°53.2' | 165°18.6' | 5.3' | N 17°04.7' | 9.6' | 61.0' |
| 1 | 325°20.4' | 193°25.1' | N 17°52.6' | 179°42.9' | 5.4' | N 16°55.1' | 9.7' | 61.0' |
| 2 | 340°22.9' | 208°25.1' | N 17°51.9' | 194°07.3' | 5.5' | N 16°45.4' | 9.9' | 61.0' |
| 3 | 355°25.4' | 223°25.1' | N 17°51.3' | 208°31.8' | 5.5' | N 16°35.5' | 10.0' | 61.0' |
| 4 | 10°27.8' | 238°25.2' | N 17°50.7' | 222°56.3' | 5.6' | N 16°25.5' | 10.1' | 61.0' |
| 5 | 25°30.3' | 253°25.2' | N 17°50.0' | 237°20.9' | 5.7' | N 16°15.4' | 10.2' | 61.0' |
| 6 | 40°32.8' | 268°25.3' | N 17°49.4' | 251°45.6' | 5.7' | N 16°05.2' | 10.3' | 61.0' |
| 7 | 55°35.2' | 283°25.3' | N 17°48.7' | 266°10.3' | 5.8' | N 15°54.9' | 10.4' | 61.0' |
| 8 | 70°37.7' | 298°25.3' | N 17°48.1' | 280°35.1' | 5.9' | N 15°44.5' | 10.5' | 61.0' |
| 9 | 85°40.2' | 313°25.4' | N 17°47.5' | 294°60.0' | 5.9' | N 15°34.0' | 10.6' | 61.0' |
| 10 | 100°42.6' | 328°25.4' | N 17°46.8' | 309°24.9' | 6.0' | N 15°23.3' | 10.7' | 61.0' |
| 11 | 115°45.1' | 343°25.5' | N 17°46.2' | 323°49.9' | 6.1' | N 15°12.6' | 10.8' | 61.0' |
| 12 | 130°47.5' | 358°25.5' | N 17°45.5' | 338°15.0' | 6.1' | N 15°01.8' | 10.9' | 61.0' |
| 13 | 145°50.0' | 13°25.6' | N 17°44.9' | 352°40.1' | 6.2' | N 14°50.8' | 11.0' | 61.0' |
| 14 | 160°52.5' | 28°25.6' | N 17°44.3' | 7°05.3' | 6.3' | N 14°39.8' | 11.1' | 61.0' |
| 15 | 175°54.9' | 43°25.6' | N 17°43.6' | 21°30.6' | 6.3' | N 14°28.6' | 11.2' | 61.0' |
| 16 | 190°57.4' | 58°25.7' | N 17°43.0' | 35°55.9' | 6.4' | N 14°17.4' | 11.3' | 61.0' |
| 17 | 205°59.9' | 73°25.7' | N 17°42.3' | 50°21.3' | 6.5' | N 14°06.1' | 11.4' | 61.0' |
| 18 | 221°02.3' | 88°25.8' | N 17°41.7' | 64°46.8' | 6.5' | N 13°54.7' | 11.5' | 61.0' |
| 19 | 236°04.8' | 103°25.8' | N 17°41.0' | 79°12.3' | 6.6' | N 13°43.2' | 11.6' | 61.0' |
| 20 | 251°07.3' | 118°25.9' | N 17°40.4' | 93°37.9' | 6.7' | N 13°31.6' | 11.7' | 61.0' |
| 21 | 266°09.7' | 133°25.9' | N 17°39.8' | 108°03.6' | 6.8' | N 13°19.9' | 11.8' | 61.0' |
| 22 | 281°12.2' | 148°26.0' | N 17°39.1' | 122°29.4' | 6.8' | N 13°08.1' | 11.8' | 60.9' |
| 23 | 296°14.6' | 163°26.0' | N 17°38.5' | 136°55.2' | 6.9' | N 12°56.3' | 11.9' | 60.9' |

Sat Aug 3, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|------|------------|-------|-------|
| | GHA | d = 0.7' SD = 15.8' | | SD = 16.6' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 311°17.1' | 178°26.1' | N 17°37.8' | 151°21.1' | 7.0' | N 12°44.3' | 12.0' | 60.9' |
| 1 | 326°19.6' | 193°26.1' | N 17°37.2' | 165°47.1' | 7.0' | N 12°32.3' | 12.1' | 60.9' |
| 2 | 341°22.0' | 208°26.2' | N 17°36.5' | 180°13.1' | 7.1' | N 12°20.2' | 12.2' | 60.9' |
| 3 | 356°24.5' | 223°26.2' | N 17°35.9' | 194°39.2' | 7.2' | N 12°08.1' | 12.2' | 60.9' |
| 4 | 11°27.0' | 238°26.2' | N 17°35.2' | 209°05.4' | 7.2' | N 11°55.8' | 12.3' | 60.9' |
| 5 | 26°29.4' | 253°26.3' | N 17°34.6' | 223°31.6' | 7.3' | N 11°43.5' | 12.4' | 60.9' |
| 6 | 41°31.9' | 268°26.3' | N 17°33.9' | 237°58.0' | 7.4' | N 11°31.1' | 12.5' | 60.9' |
| 7 | 56°34.4' | 283°26.4' | N 17°33.3' | 252°24.3' | 7.5' | N 11°18.7' | 12.5' | 60.9' |
| 8 | 71°36.8' | 298°26.4' | N 17°32.6' | 266°50.8' | 7.5' | N 11°06.2' | 12.6' | 60.8' |
| 9 | 86°39.3' | 313°26.5' | N 17°32.0' | 281°17.3' | 7.6' | N 10°53.6' | 12.6' | 60.8' |
| 10 | 101°41.8' | 328°26.5' | N 17°31.3' | 295°43.9' | 7.7' | N 10°40.9' | 12.7' | 60.8' |
| 11 | 116°44.2' | 343°26.6' | N 17°30.7' | 310°10.5' | 7.7' | N 10°28.2' | 12.8' | 60.8' |
| 12 | 131°46.7' | 358°26.6' | N 17°30.0' | 324°37.3' | 7.8' | N 10°15.5' | 12.8' | 60.8' |
| 13 | 146°49.1' | 13°26.7' | N 17°29.4' | 339°04.1' | 7.9' | N 10°02.6' | 12.9' | 60.8' |
| 14 | 161°51.6' | 28°26.7' | N 17°28.7' | 353°30.9' | 7.9' | N 9°49.7' | 12.9' | 60.8' |
| 15 | 176°54.1' | 43°26.8' | N 17°28.0' | 7°57.8' | 8.0' | N 9°36.8' | 13.0' | 60.7' |
| 16 | 191°56.5' | 58°26.8' | N 17°27.4' | 22°24.8' | 8.1' | N 9°23.8' | 13.0' | 60.7' |
| 17 | 206°59.0' | 73°26.9' | N 17°26.7' | 36°51.9' | 8.1' | N 9°10.8' | 13.1' | 60.7' |
| 18 | 222°01.5' | 88°26.9' | N 17°26.1' | 51°19.0' | 8.2' | N 8°57.7' | 13.1' | 60.7' |
| 19 | 237°03.9' | 103°27.0' | N 17°25.4' | 65°46.2' | 8.2' | N 8°44.5' | 13.2' | 60.7' |
| 20 | 252°06.4' | 118°27.0' | N 17°24.8' | 80°13.4' | 8.3' | N 8°31.3' | 13.2' | 60.7' |
| 21 | 267°08.9' | 133°27.1' | N 17°24.1' | 94°40.7' | 8.4' | N 8°18.1' | 13.3' | 60.6' |
| 22 | 282°11.3' | 148°27.1' | N 17°23.5' | 109°08.1' | 8.4' | N 8°04.8' | 13.3' | 60.6' |
| 23 | 297°13.8' | 163°27.2' | N 17°22.8' | 123°35.5' | 8.5' | N 7°51.5' | 13.4' | 60.6' |

Sun Aug 4, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|------|-----------|-------|-------|
| | GHA | d = 0.7' SD = 15.8' | | SD = 16.5' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 312°16.2' | 178°27.3' | N 17°22.1' | 138°03.0' | 8.6' | N 7°38.2' | 13.4' | 60.6' |
| 1 | 327°18.7' | 193°27.3' | N 17°21.5' | 152°30.6' | 8.6' | N 7°24.8' | 13.4' | 60.6' |
| 2 | 342°21.2' | 208°27.4' | N 17°20.8' | 166°58.2' | 8.7' | N 7°11.3' | 13.5' | 60.5' |
| 3 | 357°23.6' | 223°27.4' | N 17°20.2' | 181°25.9' | 8.7' | N 6°57.9' | 13.5' | 60.5' |
| 4 | 12°26.1' | 238°27.5' | N 17°19.5' | 195°53.6' | 8.8' | N 6°44.4' | 13.5' | 60.5' |
| 5 | 27°28.6' | 253°27.5' | N 17°18.8' | 210°21.4' | 8.8' | N 6°30.9' | 13.6' | 60.5' |
| 6 | 42°31.0' | 268°27.6' | N 17°18.2' | 224°49.2' | 8.9' | N 6°17.3' | 13.6' | 60.5' |
| 7 | 57°33.5' | 283°27.6' | N 17°17.5' | 239°17.1' | 9.0' | N 6°03.7' | 13.6' | 60.4' |
| 8 | 72°36.0' | 298°27.7' | N 17°16.9' | 253°45.1' | 9.0' | N 5°50.1' | 13.6' | 60.4' |
| 9 | 87°38.4' | 313°27.7' | N 17°16.2' | 268°13.1' | 9.1' | N 5°36.5' | 13.7' | 60.4' |
| 10 | 102°40.9' | 328°27.8' | N 17°15.5' | 282°41.2' | 9.1' | N 5°22.8' | 13.7' | 60.4' |
| 11 | 117°43.4' | 343°27.9' | N 17°14.9' | 297°09.3' | 9.2' | N 5°09.1' | 13.7' | 60.3' |
| 12 | 132°45.8' | 358°27.9' | N 17°14.2' | 311°37.5' | 9.2' | N 4°55.4' | 13.7' | 60.3' |
| 13 | 147°48.3' | 13°28.0' | N 17°13.5' | 326°05.7' | 9.3' | N 4°41.7' | 13.7' | 60.3' |
| 14 | 162°50.7' | 28°28.0' | N 17°12.9' | 340°34.0' | 9.3' | N 4°28.0' | 13.7' | 60.3' |
| 15 | 177°53.2' | 43°28.1' | N 17°12.2' | 355°02.4' | 9.4' | N 4°14.3' | 13.8' | 60.3' |
| 16 | 192°55.7' | 58°28.1' | N 17°11.5' | 9°30.7' | 9.4' | N 4°00.5' | 13.8' | 60.2' |
| 17 | 207°58.1' | 73°28.2' | N 17°10.9' | 23°59.2' | 9.5' | N 3°46.7' | 13.8' | 60.2' |
| 18 | 223°00.6' | 88°28.3' | N 17°10.2' | 38°27.7' | 9.5' | N 3°32.9' | 13.8' | 60.2' |
| 19 | 238°03.1' | 103°28.3' | N 17°09.5' | 52°56.2' | 9.6' | N 3°19.2' | 13.8' | 60.1' |
| 20 | 253°05.5' | 118°28.4' | N 17°08.9' | 67°24.8' | 9.6' | N 3°05.4' | 13.8' | 60.1' |
| 21 | 268°08.0' | 133°28.4' | N 17°08.2' | 81°53.4' | 9.7' | N 2°51.6' | 13.8' | 60.1' |
| 22 | 283°10.5' | 148°28.5' | N 17°07.5' | 96°22.1' | 9.7' | N 2°37.8' | 13.8' | 60.1' |
| 23 | 298°12.9' | 163°28.5' | N 17°06.9' | 110°50.8' | 9.8' | N 2°24.0' | 13.8' | 60.0' |

Mon Aug 5, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|-----------|-------|-------|
| | GHA | d = 0.7' SD = 15.8' | | SD = 16.3' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 313°15.4' | 178°28.6' | N 17°06.2' | 125°19.5' | 9.8' | N 2°10.1' | 13.8' | 60.0' |
| 1 | 328°17.9' | 193°28.7' | N 17°05.5' | 139°48.3' | 9.8' | N 1°56.3' | 13.8' | 60.0' |
| 2 | 343°20.3' | 208°28.7' | N 17°04.8' | 154°17.2' | 9.9' | N 1°42.5' | 13.8' | 60.0' |
| 3 | 358°22.8' | 223°28.8' | N 17°04.2' | 168°46.0' | 9.9' | N 1°28.7' | 13.8' | 59.9' |
| 4 | 13°25.2' | 238°28.8' | N 17°03.5' | 183°15.0' | 10.0' | N 1°14.9' | 13.8' | 59.9' |
| 5 | 28°27.7' | 253°28.9' | N 17°02.8' | 197°43.9' | 10.0' | N 1°01.1' | 13.8' | 59.9' |
| 6 | 43°30.2' | 268°29.0' | N 17°02.1' | 212°12.9' | 10.0' | N 0°47.4' | 13.8' | 59.9' |
| 7 | 58°32.6' | 283°29.0' | N 17°01.5' | 226°42.0' | 10.1' | N 0°33.6' | 13.8' | 59.8' |
| 8 | 73°35.1' | 298°29.1' | N 17°00.8' | 241°11.0' | 10.1' | N 0°19.8' | 13.7' | 59.8' |
| 9 | 88°37.6' | 313°29.1' | N 17°00.1' | 255°40.1' | 10.1' | N 0°06.1' | 13.7' | 59.8' |
| 10 | 103°40.0' | 328°29.2' | N 16°59.5' | 270°09.3' | 10.2' | S 0°07.7' | 13.7' | 59.7' |
| 11 | 118°42.5' | 343°29.3' | N 16°58.8' | 284°38.5' | 10.2' | S 0°21.4' | 13.7' | 59.7' |
| 12 | 133°45.0' | 358°29.3' | N 16°58.1' | 299°07.7' | 10.2' | S 0°35.1' | 13.7' | 59.7' |
| 13 | 148°47.4' | 13°29.4' | N 16°57.4' | 313°36.9' | 10.3' | S 0°48.8' | 13.7' | 59.6' |
| 14 | 163°49.9' | 28°29.5' | N 16°56.7' | 328°06.2' | 10.3' | S 1°02.4' | 13.6' | 59.6' |
| 15 | 178°52.3' | 43°29.5' | N 16°56.1' | 342°35.5' | 10.3' | S 1°16.1' | 13.6' | 59.6' |
| 16 | 193°54.8' | 58°29.6' | N 16°55.4' | 357°04.8' | 10.4' | S 1°29.7' | 13.6' | 59.6' |
| 17 | 208°57.3' | 73°29.7' | N 16°54.7' | 11°34.2' | 10.4' | S 1°43.3' | 13.6' | 59.5' |
| 18 | 223°59.7' | 88°29.7' | N 16°54.0' | 26°03.6' | 10.4' | S 1°56.9' | 13.6' | 59.5' |
| 19 | 239°02.2' | 103°29.8' | N 16°53.4' | 40°33.0' | 10.4' | S 2°10.5' | 13.5' | 59.5' |
| 20 | 254°04.7' | 118°29.8' | N 16°52.7' | 55°02.4' | 10.5' | S 2°24.0' | 13.5' | 59.4' |
| 21 | 269°07.1' | 133°29.9' | N 16°52.0' | 69°31.9' | 10.5' | S 2°37.5' | 13.5' | 59.4' |
| 22 | 284°09.6' | 148°30.0' | N 16°51.3' | 84°01.4' | 10.5' | S 2°51.0' | 13.4' | 59.4' |
| 23 | 299°12.1' | 163°30.0' | N 16°50.6' | 98°30.9' | 10.5' | S 3°04.4' | 13.4' | 59.3' |

Tue Aug 6, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|-----------|-------|-------|
| | GHA | d = 0.7' SD = 15.8' | | SD = 16.1' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 314°14.5' | 178°30.1' | N 16°49.9' | 113°00.4' | 10.6' | S 3°17.8' | 13.4' | 59.3' |
| 1 | 329°17.0' | 193°30.2' | N 16°49.3' | 127°30.0' | 10.6' | S 3°31.2' | 13.3' | 59.3' |
| 2 | 344°19.5' | 208°30.2' | N 16°48.6' | 141°59.6' | 10.6' | S 3°44.5' | 13.3' | 59.2' |
| 3 | 359°21.9' | 223°30.3' | N 16°47.9' | 156°29.2' | 10.6' | S 3°57.8' | 13.3' | 59.2' |
| 4 | 14°24.4' | 238°30.4' | N 16°47.2' | 170°58.8' | 10.6' | S 4°11.1' | 13.2' | 59.2' |
| 5 | 29°26.8' | 253°30.4' | N 16°46.5' | 185°28.4' | 10.7' | S 4°24.3' | 13.2' | 59.2' |
| 6 | 44°29.3' | 268°30.5' | N 16°45.8' | 199°58.1' | 10.7' | S 4°37.5' | 13.2' | 59.1' |
| 7 | 59°31.8' | 283°30.6' | N 16°45.2' | 214°27.7' | 10.7' | S 4°50.7' | 13.1' | 59.1' |
| 8 | 74°34.2' | 298°30.6' | N 16°44.5' | 228°57.4' | 10.7' | S 5°03.8' | 13.1' | 59.1' |
| 9 | 89°36.7' | 313°30.7' | N 16°43.8' | 243°27.1' | 10.7' | S 5°16.9' | 13.0' | 59.0' |
| 10 | 104°39.2' | 328°30.8' | N 16°43.1' | 257°56.8' | 10.7' | S 5°29.9' | 13.0' | 59.0' |
| 11 | 119°41.6' | 343°30.9' | N 16°42.4' | 272°26.6' | 10.7' | S 5°42.9' | 12.9' | 59.0' |
| 12 | 134°44.1' | 358°30.9' | N 16°41.7' | 286°56.3' | 10.8' | S 5°55.8' | 12.9' | 58.9' |
| 13 | 149°46.6' | 13°31.0' | N 16°41.0' | 301°26.1' | 10.8' | S 6°08.7' | 12.8' | 58.9' |
| 14 | 164°49.0' | 28°31.1' | N 16°40.4' | 315°55.8' | 10.8' | S 6°21.6' | 12.8' | 58.9' |
| 15 | 179°51.5' | 43°31.1' | N 16°39.7' | 330°25.6' | 10.8' | S 6°34.4' | 12.7' | 58.8' |
| 16 | 194°53.9' | 58°31.2' | N 16°39.0' | 344°55.4' | 10.8' | S 6°47.1' | 12.7' | 58.8' |
| 17 | 209°56.4' | 73°31.3' | N 16°38.3' | 359°25.2' | 10.8' | S 6°59.8' | 12.6' | 58.8' |
| 18 | 224°58.9' | 88°31.3' | N 16°37.6' | 13°55.0' | 10.8' | S 7°12.4' | 12.6' | 58.7' |
| 19 | 240°01.3' | 103°31.4' | N 16°36.9' | 28°24.8' | 10.8' | S 7°25.0' | 12.5' | 58.7' |
| 20 | 255°03.8' | 118°31.5' | N 16°36.2' | 42°54.6' | 10.8' | S 7°37.6' | 12.5' | 58.7' |
| 21 | 270°06.3' | 133°31.6' | N 16°35.5' | 57°24.4' | 10.8' | S 7°50.0' | 12.4' | 58.6' |
| 22 | 285°08.7' | 148°31.6' | N 16°34.8' | 71°54.2' | 10.8' | S 8°02.5' | 12.4' | 58.6' |
| 23 | 300°11.2' | 163°31.7' | N 16°34.1' | 86°24.0' | 10.8' | S 8°14.8' | 12.3' | 58.6' |

Wed Aug 7, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|-------|-------|
| | GHA | d = 0.7' SD = 15.8' | | SD = 15.9' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 315°13.7' | 178°31.8' | N 16°33.4' | 100°53.9' | 10.8' | S 8°27.1' | 12.3' | 58.5' |
| 1 | 330°16.1' | 193°31.8' | N 16°32.8' | 115°23.7' | 10.8' | S 8°39.4' | 12.2' | 58.5' |
| 2 | 345°18.6' | 208°31.9' | N 16°32.1' | 129°53.5' | 10.8' | S 8°51.6' | 12.1' | 58.5' |
| 3 | 0°21.1' | 223°32.0' | N 16°31.4' | 144°23.4' | 10.8' | S 9°03.7' | 12.1' | 58.4' |
| 4 | 15°23.5' | 238°32.1' | N 16°30.7' | 158°53.2' | 10.8' | S 9°15.8' | 12.0' | 58.4' |
| 5 | 30°26.0' | 253°32.1' | N 16°30.0' | 173°23.0' | 10.8' | S 9°27.8' | 11.9' | 58.4' |
| 6 | 45°28.4' | 268°32.2' | N 16°29.3' | 187°52.9' | 10.8' | S 9°39.7' | 11.9' | 58.3' |
| 7 | 60°30.9' | 283°32.3' | N 16°28.6' | 202°22.7' | 10.8' | S 9°51.6' | 11.8' | 58.3' |
| 8 | 75°33.4' | 298°32.4' | N 16°27.9' | 216°52.5' | 10.8' | S 10°03.4' | 11.7' | 58.3' |
| 9 | 90°35.8' | 313°32.4' | N 16°27.2' | 231°22.4' | 10.8' | S 10°15.2' | 11.7' | 58.2' |
| 10 | 105°38.3' | 328°32.5' | N 16°26.5' | 245°52.2' | 10.8' | S 10°26.8' | 11.6' | 58.2' |
| 11 | 120°40.8' | 343°32.6' | N 16°25.8' | 260°22.0' | 10.8' | S 10°38.4' | 11.5' | 58.2' |
| 12 | 135°43.2' | 358°32.7' | N 16°25.1' | 274°51.8' | 10.8' | S 10°50.0' | 11.5' | 58.1' |
| 13 | 150°45.7' | 13°32.7' | N 16°24.4' | 289°21.7' | 10.8' | S 11°01.4' | 11.4' | 58.1' |
| 14 | 165°48.2' | 28°32.8' | N 16°23.7' | 303°51.5' | 10.8' | S 11°12.8' | 11.3' | 58.1' |
| 15 | 180°50.6' | 43°32.9' | N 16°23.0' | 318°21.3' | 10.8' | S 11°24.2' | 11.3' | 58.0' |
| 16 | 195°53.1' | 58°33.0' | N 16°22.3' | 332°51.1' | 10.8' | S 11°35.4' | 11.2' | 58.0' |
| 17 | 210°55.6' | 73°33.0' | N 16°21.6' | 347°20.9' | 10.8' | S 11°46.6' | 11.1' | 58.0' |
| 18 | 225°58.0' | 88°33.1' | N 16°20.9' | 1°50.6' | 10.8' | S 11°57.7' | 11.0' | 57.9' |
| 19 | 241°00.5' | 103°33.2' | N 16°20.2' | 16°20.4' | 10.8' | S 12°08.7' | 11.0' | 57.9' |
| 20 | 256°02.9' | 118°33.3' | N 16°19.5' | 30°50.2' | 10.8' | S 12°19.7' | 10.9' | 57.9' |
| 21 | 271°05.4' | 133°33.3' | N 16°18.8' | 45°19.9' | 10.7' | S 12°30.5' | 10.8' | 57.8' |
| 22 | 286°07.9' | 148°33.4' | N 16°18.1' | 59°49.7' | 10.7' | S 12°41.3' | 10.7' | 57.8' |
| 23 | 301°10.3' | 163°33.5' | N 16°17.4' | 74°19.4' | 10.7' | S 12°52.1' | 10.6' | 57.8' |

Thu Aug 8, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|-------|-------|
| | GHA | d = 0.7' SD = 15.8' | | SD = 15.7' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 316°12.8' | 178°33.6' | N 16°16.7' | 88°49.1' | 10.7' | S 13°02.7' | 10.6' | 57.8' |
| 1 | 331°15.3' | 193°33.7' | N 16°16.0' | 103°18.9' | 10.7' | S 13°13.3' | 10.5' | 57.7' |
| 2 | 346°17.7' | 208°33.7' | N 16°15.3' | 117°48.6' | 10.7' | S 13°23.7' | 10.4' | 57.7' |
| 3 | 1°20.2' | 223°33.8' | N 16°14.6' | 132°18.2' | 10.7' | S 13°34.1' | 10.3' | 57.7' |
| 4 | 16°22.7' | 238°33.9' | N 16°13.9' | 146°47.9' | 10.7' | S 13°44.4' | 10.2' | 57.6' |
| 5 | 31°25.1' | 253°34.0' | N 16°13.1' | 161°17.6' | 10.7' | S 13°54.7' | 10.1' | 57.6' |
| 6 | 46°27.6' | 268°34.1' | N 16°12.4' | 175°47.3' | 10.6' | S 14°04.8' | 10.1' | 57.6' |
| 7 | 61°30.0' | 283°34.1' | N 16°11.7' | 190°16.9' | 10.6' | S 14°14.9' | 10.0' | 57.5' |
| 8 | 76°32.5' | 298°34.2' | N 16°11.0' | 204°46.5' | 10.6' | S 14°24.9' | 9.9' | 57.5' |
| 9 | 91°35.0' | 313°34.3' | N 16°10.3' | 219°16.1' | 10.6' | S 14°34.7' | 9.8' | 57.5' |
| 10 | 106°37.4' | 328°34.4' | N 16°09.6' | 233°45.7' | 10.6' | S 14°44.6' | 9.7' | 57.4' |
| 11 | 121°39.9' | 343°34.5' | N 16°08.9' | 248°15.3' | 10.6' | S 14°54.3' | 9.6' | 57.4' |
| 12 | 136°42.4' | 358°34.5' | N 16°08.2' | 262°44.9' | 10.6' | S 15°03.9' | 9.5' | 57.4' |
| 13 | 151°44.8' | 13°34.6' | N 16°07.5' | 277°14.5' | 10.5' | S 15°13.4' | 9.4' | 57.3' |
| 14 | 166°47.3' | 28°34.7' | N 16°06.8' | 291°44.0' | 10.5' | S 15°22.9' | 9.4' | 57.3' |
| 15 | 181°49.8' | 43°34.8' | N 16°06.1' | 306°13.5' | 10.5' | S 15°32.2' | 9.3' | 57.3' |
| 16 | 196°52.2' | 58°34.9' | N 16°05.3' | 320°43.0' | 10.5' | S 15°41.5' | 9.2' | 57.3' |
| 17 | 211°54.7' | 73°35.0' | N 16°04.6' | 335°12.5' | 10.5' | S 15°50.7' | 9.1' | 57.2' |
| 18 | 226°57.2' | 88°35.0' | N 16°03.9' | 349°42.0' | 10.5' | S 15°59.7' | 9.0' | 57.2' |
| 19 | 241°59.6' | 103°35.1' | N 16°03.2' | 4°11.5' | 10.5' | S 16°08.7' | 8.9' | 57.2' |
| 20 | 257°02.1' | 118°35.2' | N 16°02.5' | 18°40.9' | 10.4' | S 16°17.6' | 8.8' | 57.1' |
| 21 | 272°04.5' | 133°35.3' | N 16°01.8' | 33°10.4' | 10.4' | S 16°26.4' | 8.7' | 57.1' |
| 22 | 287°07.0' | 148°35.4' | N 16°01.1' | 47°39.8' | 10.4' | S 16°35.1' | 8.6' | 57.1' |
| 23 | 302°09.5' | 163°35.5' | N 16°00.4' | 62°09.2' | 10.4' | S 16°43.7' | 8.5' | 57.0' |

Fri Aug 9, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|------|-------|
| | GHA | d = 0.7' SD = 15.8' | | SD = 15.5' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 317°11.9' | 178°35.6' | N 15°59.6' | 76°38.6' | 10.4' | S 16°52.3' | 8.4' | 57.0' |
| 1 | 332°14.4' | 193°35.6' | N 15°58.9' | 91°08.0' | 10.4' | S 17°00.7' | 8.3' | 57.0' |
| 2 | 347°16.9' | 208°35.7' | N 15°58.2' | 105°37.3' | 10.3' | S 17°09.0' | 8.2' | 57.0' |
| 3 | 2°19.3' | 223°35.8' | N 15°57.5' | 120°06.6' | 10.3' | S 17°17.2' | 8.1' | 56.9' |
| 4 | 17°21.8' | 238°35.9' | N 15°56.8' | 134°36.0' | 10.3' | S 17°25.3' | 8.0' | 56.9' |
| 5 | 32°24.3' | 253°36.0' | N 15°56.1' | 149°05.3' | 10.3' | S 17°33.3' | 7.9' | 56.9' |
| 6 | 47°26.7' | 268°36.1' | N 15°55.3' | 163°34.6' | 10.3' | S 17°41.3' | 7.8' | 56.8' |
| 7 | 62°29.2' | 283°36.2' | N 15°54.6' | 178°03.8' | 10.3' | S 17°49.1' | 7.7' | 56.8' |
| 8 | 77°31.7' | 298°36.2' | N 15°53.9' | 192°33.1' | 10.2' | S 17°56.8' | 7.6' | 56.8' |
| 9 | 92°34.1' | 313°36.3' | N 15°53.2' | 207°02.3' | 10.2' | S 18°04.4' | 7.5' | 56.8' |
| 10 | 107°36.6' | 328°36.4' | N 15°52.5' | 221°31.5' | 10.2' | S 18°11.9' | 7.4' | 56.7' |
| 11 | 122°39.0' | 343°36.5' | N 15°51.8' | 236°00.8' | 10.2' | S 18°19.4' | 7.3' | 56.7' |
| 12 | 137°41.5' | 358°36.6' | N 15°51.0' | 250°29.9' | 10.2' | S 18°26.7' | 7.2' | 56.7' |
| 13 | 152°44.0' | 13°36.7' | N 15°50.3' | 264°59.1' | 10.2' | S 18°33.9' | 7.1' | 56.6' |
| 14 | 167°46.4' | 28°36.8' | N 15°49.6' | 279°28.3' | 10.1' | S 18°41.0' | 7.0' | 56.6' |
| 15 | 182°48.9' | 43°36.9' | N 15°48.9' | 293°57.4' | 10.1' | S 18°48.0' | 6.9' | 56.6' |
| 16 | 197°51.4' | 58°36.9' | N 15°48.1' | 308°26.6' | 10.1' | S 18°54.9' | 6.8' | 56.6' |
| 17 | 212°53.8' | 73°37.0' | N 15°47.4' | 322°55.7' | 10.1' | S 19°01.7' | 6.7' | 56.5' |
| 18 | 227°56.3' | 88°37.1' | N 15°46.7' | 337°24.8' | 10.1' | S 19°08.3' | 6.6' | 56.5' |
| 19 | 242°58.8' | 103°37.2' | N 15°46.0' | 351°53.9' | 10.1' | S 19°14.9' | 6.5' | 56.5' |
| 20 | 258°01.2' | 118°37.3' | N 15°45.3' | 6°22.9' | 10.1' | S 19°21.4' | 6.4' | 56.4' |
| 21 | 273°03.7' | 133°37.4' | N 15°44.5' | 20°52.0' | 10.0' | S 19°27.7' | 6.3' | 56.4' |
| 22 | 288°06.2' | 148°37.5' | N 15°43.8' | 35°21.0' | 10.0' | S 19°34.0' | 6.1' | 56.4' |
| 23 | 303°08.6' | 163°37.6' | N 15°43.1' | 49°50.1' | 10.0' | S 19°40.1' | 6.0' | 56.4' |

Sat Aug 10, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|------|-------|
| | GHA | d = 0.7' SD = 15.8' | | SD = 15.3' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 318°11.1' | 178°37.7' | N 15°42.4' | 64°19.1' | 10.0' | S 19°46.2' | 5.9' | 56.3' |
| 1 | 333°13.5' | 193°37.8' | N 15°41.6' | 78°48.1' | 10.0' | S 19°52.1' | 5.8' | 56.3' |
| 2 | 348°16.0' | 208°37.9' | N 15°40.9' | 93°17.1' | 10.0' | S 19°57.9' | 5.7' | 56.3' |
| 3 | 3°18.5' | 223°37.9' | N 15°40.2' | 107°46.1' | 10.0' | S 20°03.6' | 5.6' | 56.3' |
| 4 | 18°20.9' | 238°38.0' | N 15°39.4' | 122°15.0' | 10.0' | S 20°09.2' | 5.5' | 56.2' |
| 5 | 33°23.4' | 253°38.1' | N 15°38.7' | 136°44.0' | 9.9' | S 20°14.7' | 5.4' | 56.2' |
| 6 | 48°25.9' | 268°38.2' | N 15°38.0' | 151°12.9' | 9.9' | S 20°20.1' | 5.3' | 56.2' |
| 7 | 63°28.3' | 283°38.3' | N 15°37.3' | 165°41.9' | 9.9' | S 20°25.4' | 5.2' | 56.2' |
| 8 | 78°30.8' | 298°38.4' | N 15°36.5' | 180°10.8' | 9.9' | S 20°30.5' | 5.0' | 56.1' |
| 9 | 93°33.3' | 313°38.5' | N 15°35.8' | 194°39.7' | 9.9' | S 20°35.6' | 4.9' | 56.1' |
| 10 | 108°35.7' | 328°38.6' | N 15°35.1' | 209°08.6' | 9.9' | S 20°40.5' | 4.8' | 56.1' |
| 11 | 123°38.2' | 343°38.7' | N 15°34.3' | 223°37.5' | 9.9' | S 20°45.3' | 4.7' | 56.1' |
| 12 | 138°40.6' | 358°38.8' | N 15°33.6' | 238°06.4' | 9.9' | S 20°50.0' | 4.6' | 56.0' |
| 13 | 153°43.1' | 13°38.9' | N 15°32.9' | 252°35.3' | 9.9' | S 20°54.6' | 4.5' | 56.0' |
| 14 | 168°45.6' | 28°39.0' | N 15°32.2' | 267°04.2' | 9.9' | S 20°59.1' | 4.4' | 56.0' |
| 15 | 183°48.0' | 43°39.1' | N 15°31.4' | 281°33.1' | 9.9' | S 21°03.5' | 4.3' | 56.0' |
| 16 | 198°50.5' | 58°39.2' | N 15°30.7' | 296°01.9' | 9.9' | S 21°07.7' | 4.1' | 55.9' |
| 17 | 213°53.0' | 73°39.3' | N 15°30.0' | 310°30.8' | 9.9' | S 21°11.8' | 4.0' | 55.9' |
| 18 | 228°55.4' | 88°39.4' | N 15°29.2' | 324°59.7' | 9.9' | S 21°15.9' | 3.9' | 55.9' |
| 19 | 243°57.9' | 103°39.4' | N 15°28.5' | 339°28.5' | 9.8' | S 21°19.8' | 3.8' | 55.9' |
| 20 | 259°00.4' | 118°39.5' | N 15°27.8' | 353°57.4' | 9.8' | S 21°23.6' | 3.7' | 55.8' |
| 21 | 274°02.8' | 133°39.6' | N 15°27.0' | 8°26.2' | 9.8' | S 21°27.3' | 3.6' | 55.8' |
| 22 | 289°05.3' | 148°39.7' | N 15°26.3' | 22°55.1' | 9.8' | S 21°30.8' | 3.5' | 55.8' |
| 23 | 304°07.8' | 163°39.8' | N 15°25.6' | 37°23.9' | 9.8' | S 21°34.3' | 3.3' | 55.8' |

Sun Aug 11, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|------|-------|
| | GHA | d = 0.7' SD = 15.8' | | SD = 15.1' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 319°10.2' | 178°39.9' | N 15°24.8' | 51°52.7' | 9.8' | S 21°37.6' | 3.2' | 55.8' |
| 1 | 334°12.7' | 193°40.0' | N 15°24.1' | 66°21.6' | 9.8' | S 21°40.8' | 3.1' | 55.7' |
| 2 | 349°15.1' | 208°40.1' | N 15°23.3' | 80°50.4' | 9.8' | S 21°43.9' | 3.0' | 55.7' |
| 3 | 4°17.6' | 223°40.2' | N 15°22.6' | 95°19.3' | 9.8' | S 21°46.9' | 2.9' | 55.7' |
| 4 | 19°20.1' | 238°40.3' | N 15°21.9' | 109°48.1' | 9.8' | S 21°49.8' | 2.8' | 55.7' |
| 5 | 34°22.5' | 253°40.4' | N 15°21.1' | 124°16.9' | 9.8' | S 21°52.6' | 2.6' | 55.6' |
| 6 | 49°25.0' | 268°40.5' | N 15°20.4' | 138°45.8' | 9.9' | S 21°55.2' | 2.5' | 55.6' |
| 7 | 64°27.5' | 283°40.6' | N 15°19.7' | 153°14.6' | 9.9' | S 21°57.7' | 2.4' | 55.6' |
| 8 | 79°29.9' | 298°40.7' | N 15°18.9' | 167°43.5' | 9.9' | S 22°00.2' | 2.3' | 55.6' |
| 9 | 94°32.4' | 313°40.8' | N 15°18.2' | 182°12.4' | 9.9' | S 22°02.5' | 2.2' | 55.6' |
| 10 | 109°34.9' | 328°40.9' | N 15°17.4' | 196°41.2' | 9.9' | S 22°04.6' | 2.1' | 55.5' |
| 11 | 124°37.3' | 343°41.0' | N 15°16.7' | 211°10.1' | 9.9' | S 22°06.7' | 1.9' | 55.5' |
| 12 | 139°39.8' | 358°41.1' | N 15°16.0' | 225°39.0' | 9.9' | S 22°08.6' | 1.8' | 55.5' |
| 13 | 154°42.3' | 13°41.2' | N 15°15.2' | 240°07.9' | 9.9' | S 22°10.5' | 1.7' | 55.5' |
| 14 | 169°44.7' | 28°41.3' | N 15°14.5' | 254°36.8' | 9.9' | S 22°12.2' | 1.6' | 55.4' |
| 15 | 184°47.2' | 43°41.4' | N 15°13.7' | 269°05.7' | 9.9' | S 22°13.8' | 1.5' | 55.4' |
| 16 | 199°49.6' | 58°41.5' | N 15°13.0' | 283°34.6' | 9.9' | S 22°15.3' | 1.4' | 55.4' |
| 17 | 214°52.1' | 73°41.6' | N 15°12.2' | 298°03.5' | 9.9' | S 22°16.6' | 1.3' | 55.4' |
| 18 | 229°54.6' | 88°41.7' | N 15°11.5' | 312°32.4' | 9.9' | S 22°17.9' | 1.1' | 55.4' |
| 19 | 244°57.0' | 103°41.8' | N 15°10.8' | 327°01.4' | 10.0' | S 22°19.0' | 1.0' | 55.3' |
| 20 | 259°59.5' | 118°41.9' | N 15°10.0' | 341°30.3' | 10.0' | S 22°20.1' | 0.9' | 55.3' |
| 21 | 275°02.0' | 133°42.0' | N 15°09.3' | 355°59.3' | 10.0' | S 22°21.0' | 0.8' | 55.3' |
| 22 | 290°04.4' | 148°42.1' | N 15°08.5' | 10°28.3' | 10.0' | S 22°21.8' | 0.7' | 55.3' |
| 23 | 305°06.9' | 163°42.2' | N 15°07.8' | 24°57.3' | 10.0' | S 22°22.4' | 0.6' | 55.3' |

Mon Aug 12, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|------|-------|
| | GHA | d = 0.8' SD = 15.8' | | SD = 15.0' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 320°09.4' | 178°42.3' | N 15°07.0' | 39°26.3' | 10.0' | S 22°23.0' | 0.4' | 55.2' |
| 1 | 335°11.8' | 193°42.4' | N 15°06.3' | 53°55.4' | 10.1' | S 22°23.4' | 0.3' | 55.2' |
| 2 | 350°14.3' | 208°42.6' | N 15°05.5' | 68°24.4' | 10.1' | S 22°23.8' | 0.2' | 55.2' |
| 3 | 5°16.8' | 223°42.7' | N 15°04.8' | 82°53.5' | 10.1' | S 22°24.0' | 0.1' | 55.2' |
| 4 | 20°19.2' | 238°42.8' | N 15°04.0' | 97°22.6' | 10.1' | S 22°24.1' | 0.0' | 55.2' |
| 5 | 35°21.7' | 253°42.9' | N 15°03.3' | 111°51.7' | 10.1' | S 22°24.1' | 0.1' | 55.2' |
| 6 | 50°24.1' | 268°43.0' | N 15°02.6' | 126°20.8' | 10.2' | S 22°23.9' | 0.2' | 55.1' |
| 7 | 65°26.6' | 283°43.1' | N 15°01.8' | 140°50.0' | 10.2' | S 22°23.7' | 0.4' | 55.1' |
| 8 | 80°29.1' | 298°43.2' | N 15°01.1' | 155°19.2' | 10.2' | S 22°23.3' | 0.5' | 55.1' |
| 9 | 95°31.5' | 313°43.3' | N 15°00.3' | 169°48.4' | 10.2' | S 22°22.9' | 0.6' | 55.1' |
| 10 | 110°34.0' | 328°43.4' | N 14°59.6' | 184°17.6' | 10.2' | S 22°22.3' | 0.7' | 55.1' |
| 11 | 125°36.5' | 343°43.5' | N 14°58.8' | 198°46.8' | 10.3' | S 22°21.6' | 0.8' | 55.0' |
| 12 | 140°38.9' | 358°43.6' | N 14°58.1' | 213°16.1' | 10.3' | S 22°20.8' | 0.9' | 55.0' |
| 13 | 155°41.4' | 13°43.7' | N 14°57.3' | 227°45.4' | 10.3' | S 22°19.9' | 1.0' | 55.0' |
| 14 | 170°43.9' | 28°43.8' | N 14°56.6' | 242°14.7' | 10.3' | S 22°18.8' | 1.1' | 55.0' |
| 15 | 185°46.3' | 43°43.9' | N 14°55.8' | 256°44.1' | 10.4' | S 22°17.7' | 1.3' | 55.0' |
| 16 | 200°48.8' | 58°44.0' | N 14°55.0' | 271°13.4' | 10.4' | S 22°16.4' | 1.4' | 55.0' |
| 17 | 215°51.2' | 73°44.1' | N 14°54.3' | 285°42.8' | 10.4' | S 22°15.1' | 1.5' | 54.9' |
| 18 | 230°53.7' | 88°44.2' | N 14°53.5' | 300°12.3' | 10.5' | S 22°13.6' | 1.6' | 54.9' |
| 19 | 245°56.2' | 103°44.4' | N 14°52.8' | 314°41.7' | 10.5' | S 22°12.0' | 1.7' | 54.9' |
| 20 | 260°58.6' | 118°44.5' | N 14°52.0' | 329°11.2' | 10.5' | S 22°10.3' | 1.8' | 54.9' |
| 21 | 276°01.1' | 133°44.6' | N 14°51.3' | 343°40.7' | 10.6' | S 22°08.5' | 1.9' | 54.9' |
| 22 | 291°03.6' | 148°44.7' | N 14°50.5' | 358°10.3' | 10.6' | S 22°06.6' | 2.0' | 54.9' |
| 23 | 306°06.0' | 163°44.8' | N 14°49.8' | 12°39.9' | 10.6' | S 22°04.6' | 2.1' | 54.8' |

Tue Aug 13, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|------|-------|
| | GHA | d = 0.8' SD = 15.8' | | SD = 14.9' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 321°08.5' | 178°44.9' | N 14°49.0' | 27°09.5' | 10.7' | S 22°02.4' | 2.2' | 54.8' |
| 1 | 336°11.0' | 193°45.0' | N 14°48.3' | 41°39.2' | 10.7' | S 22°00.2' | 2.3' | 54.8' |
| 2 | 351°13.4' | 208°45.1' | N 14°47.5' | 56°08.8' | 10.7' | S 21°57.8' | 2.5' | 54.8' |
| 3 | 6°15.9' | 223°45.2' | N 14°46.7' | 70°38.6' | 10.8' | S 21°55.4' | 2.6' | 54.8' |
| 4 | 21°18.4' | 238°45.3' | N 14°46.0' | 85°08.3' | 10.8' | S 21°52.8' | 2.7' | 54.8' |
| 5 | 36°20.8' | 253°45.4' | N 14°45.2' | 99°38.1' | 10.8' | S 21°50.2' | 2.8' | 54.8' |
| 6 | 51°23.3' | 268°45.6' | N 14°44.5' | 114°08.0' | 10.9' | S 21°47.4' | 2.9' | 54.7' |
| 7 | 66°25.7' | 283°45.7' | N 14°43.7' | 128°37.8' | 10.9' | S 21°44.5' | 3.0' | 54.7' |
| 8 | 81°28.2' | 298°45.8' | N 14°43.0' | 143°07.7' | 10.9' | S 21°41.5' | 3.1' | 54.7' |
| 9 | 96°30.7' | 313°45.9' | N 14°42.2' | 157°37.7' | 11.0' | S 21°38.4' | 3.2' | 54.7' |
| 10 | 111°33.1' | 328°46.0' | N 14°41.4' | 172°07.7' | 11.0' | S 21°35.2' | 3.3' | 54.7' |
| 11 | 126°35.6' | 343°46.1' | N 14°40.7' | 186°37.7' | 11.1' | S 21°31.9' | 3.4' | 54.7' |
| 12 | 141°38.1' | 358°46.2' | N 14°39.9' | 201°07.7' | 11.1' | S 21°28.5' | 3.5' | 54.7' |
| 13 | 156°40.5' | 13°46.3' | N 14°39.2' | 215°37.8' | 11.1' | S 21°25.0' | 3.6' | 54.6' |
| 14 | 171°43.0' | 28°46.5' | N 14°38.4' | 230°08.0' | 11.2' | S 21°21.4' | 3.7' | 54.6' |
| 15 | 186°45.5' | 43°46.6' | N 14°37.6' | 244°38.2' | 11.2' | S 21°17.7' | 3.8' | 54.6' |
| 16 | 201°47.9' | 58°46.7' | N 14°36.9' | 259°08.4' | 11.3' | S 21°13.9' | 3.9' | 54.6' |
| 17 | 216°50.4' | 73°46.8' | N 14°36.1' | 273°38.7' | 11.3' | S 21°10.0' | 4.0' | 54.6' |
| 18 | 231°52.9' | 88°46.9' | N 14°35.3' | 288°09.0' | 11.4' | S 21°06.0' | 4.1' | 54.6' |
| 19 | 246°55.3' | 103°47.0' | N 14°34.6' | 302°39.3' | 11.4' | S 21°01.9' | 4.2' | 54.6' |
| 20 | 261°57.8' | 118°47.1' | N 14°33.8' | 317°09.7' | 11.4' | S 20°57.7' | 4.3' | 54.5' |
| 21 | 277°00.2' | 133°47.3' | N 14°33.1' | 331°40.2' | 11.5' | S 20°53.4' | 4.4' | 54.5' |
| 22 | 292°02.7' | 148°47.4' | N 14°32.3' | 346°10.7' | 11.5' | S 20°49.0' | 4.5' | 54.5' |
| 23 | 307°05.2' | 163°47.5' | N 14°31.5' | 0°41.2' | 11.6' | S 20°44.5' | 4.6' | 54.5' |

Wed Aug 14, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|------|-------|
| | GHA | d = 0.8' SD = 15.8' | | SD = 14.8' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 322°07.6' | 178°47.6' | N 14°30.8' | 15°11.8' | 11.6' | S 20°39.9' | 4.7' | 54.5' |
| 1 | 337°10.1' | 193°47.7' | N 14°30.0' | 29°42.4' | 11.7' | S 20°35.2' | 4.8' | 54.5' |
| 2 | 352°12.6' | 208°47.8' | N 14°29.2' | 44°13.1' | 11.7' | S 20°30.4' | 4.9' | 54.5' |
| 3 | 7°15.0' | 223°47.9' | N 14°28.5' | 58°43.8' | 11.8' | S 20°25.5' | 5.0' | 54.5' |
| 4 | 22°17.5' | 238°48.1' | N 14°27.7' | 73°14.5' | 11.8' | S 20°20.5' | 5.1' | 54.4' |
| 5 | 37°20.0' | 253°48.2' | N 14°26.9' | 87°45.3' | 11.9' | S 20°15.5' | 5.2' | 54.4' |
| 6 | 52°22.4' | 268°48.3' | N 14°26.2' | 102°16.2' | 11.9' | S 20°10.3' | 5.3' | 54.4' |
| 7 | 67°24.9' | 283°48.4' | N 14°25.4' | 116°47.1' | 12.0' | S 20°05.0' | 5.3' | 54.4' |
| 8 | 82°27.4' | 298°48.5' | N 14°24.6' | 131°18.1' | 12.0' | S 19°59.7' | 5.4' | 54.4' |
| 9 | 97°29.8' | 313°48.6' | N 14°23.9' | 145°49.1' | 12.0' | S 19°54.2' | 5.5' | 54.4' |
| 10 | 112°32.3' | 328°48.8' | N 14°23.1' | 160°20.1' | 12.1' | S 19°48.7' | 5.6' | 54.4' |
| 11 | 127°34.7' | 343°48.9' | N 14°22.3' | 174°51.2' | 12.1' | S 19°43.1' | 5.7' | 54.4' |
| 12 | 142°37.2' | 358°49.0' | N 14°21.5' | 189°22.3' | 12.2' | S 19°37.4' | 5.8' | 54.4' |
| 13 | 157°39.7' | 13°49.1' | N 14°20.8' | 203°53.5' | 12.2' | S 19°31.6' | 5.9' | 54.3' |
| 14 | 172°42.1' | 28°49.2' | N 14°20.0' | 218°24.8' | 12.3' | S 19°25.7' | 6.0' | 54.3' |
| 15 | 187°44.6' | 43°49.3' | N 14°19.2' | 232°56.1' | 12.3' | S 19°19.8' | 6.1' | 54.3' |
| 16 | 202°47.1' | 58°49.5' | N 14°18.5' | 247°27.4' | 12.4' | S 19°13.7' | 6.1' | 54.3' |
| 17 | 217°49.5' | 73°49.6' | N 14°17.7' | 261°58.8' | 12.4' | S 19°07.6' | 6.2' | 54.3' |
| 18 | 232°52.0' | 88°49.7' | N 14°16.9' | 276°30.2' | 12.5' | S 19°01.3' | 6.3' | 54.3' |
| 19 | 247°54.5' | 103°49.8' | N 14°16.1' | 291°01.7' | 12.5' | S 18°55.0' | 6.4' | 54.3' |
| 20 | 262°56.9' | 118°49.9' | N 14°15.4' | 305°33.3' | 12.6' | S 18°48.6' | 6.5' | 54.3' |
| 21 | 277°59.4' | 133°50.1' | N 14°14.6' | 320°04.9' | 12.6' | S 18°42.2' | 6.6' | 54.3' |
| 22 | 293°01.8' | 148°50.2' | N 14°13.8' | 334°36.5' | 12.7' | S 18°35.6' | 6.6' | 54.3' |
| 23 | 308°04.3' | 163°50.3' | N 14°13.0' | 349°08.2' | 12.7' | S 18°29.0' | 6.7' | 54.3' |

Thu Aug 15, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|------|-------|
| | GHA | d = 0.8' SD = 15.8' | | SD = 14.8' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 323°06.8' | 178°50.4' | N 14°12.3' | 3°39.9' | 12.8' | S 18°22.2' | 6.8' | 54.2' |
| 1 | 338°09.2' | 193°50.5' | N 14°11.5' | 18°11.7' | 12.8' | S 18°15.4' | 6.9' | 54.2' |
| 2 | 353°11.7' | 208°50.7' | N 14°10.7' | 32°43.5' | 12.9' | S 18°08.6' | 7.0' | 54.2' |
| 3 | 8°14.2' | 223°50.8' | N 14°09.9' | 47°15.4' | 12.9' | S 18°01.6' | 7.0' | 54.2' |
| 4 | 23°16.6' | 238°50.9' | N 14°09.2' | 61°47.4' | 13.0' | S 17°54.6' | 7.1' | 54.2' |
| 5 | 38°19.1' | 253°51.0' | N 14°08.4' | 76°19.4' | 13.0' | S 17°47.4' | 7.2' | 54.2' |
| 6 | 53°21.6' | 268°51.2' | N 14°07.6' | 90°51.4' | 13.1' | S 17°40.3' | 7.3' | 54.2' |
| 7 | 68°24.0' | 283°51.3' | N 14°06.8' | 105°23.5' | 13.1' | S 17°33.0' | 7.3' | 54.2' |
| 8 | 83°26.5' | 298°51.4' | N 14°06.1' | 119°55.6' | 13.2' | S 17°25.6' | 7.4' | 54.2' |
| 9 | 98°29.0' | 313°51.5' | N 14°05.3' | 134°27.8' | 13.2' | S 17°18.2' | 7.5' | 54.2' |
| 10 | 113°31.4' | 328°51.6' | N 14°04.5' | 149°00.0' | 13.3' | S 17°10.7' | 7.6' | 54.2' |
| 11 | 128°33.9' | 343°51.8' | N 14°03.7' | 163°32.3' | 13.3' | S 17°03.2' | 7.6' | 54.2' |
| 12 | 143°36.3' | 358°51.9' | N 14°02.9' | 178°04.7' | 13.4' | S 16°55.5' | 7.7' | 54.1' |
| 13 | 158°38.8' | 13°52.0' | N 14°02.2' | 192°37.0' | 13.4' | S 16°47.8' | 7.8' | 54.1' |
| 14 | 173°41.3' | 28°52.1' | N 14°01.4' | 207°09.5' | 13.5' | S 16°40.1' | 7.8' | 54.1' |
| 15 | 188°43.7' | 43°52.3' | N 14°00.6' | 221°42.0' | 13.5' | S 16°32.2' | 7.9' | 54.1' |
| 16 | 203°46.2' | 58°52.4' | N 13°59.8' | 236°14.5' | 13.6' | S 16°24.3' | 8.0' | 54.1' |
| 17 | 218°48.7' | 73°52.5' | N 13°59.0' | 250°47.1' | 13.6' | S 16°16.3' | 8.1' | 54.1' |
| 18 | 233°51.1' | 88°52.6' | N 13°58.3' | 265°19.7' | 13.7' | S 16°08.2' | 8.1' | 54.1' |
| 19 | 248°53.6' | 103°52.8' | N 13°57.5' | 279°52.4' | 13.7' | S 16°00.1' | 8.2' | 54.1' |
| 20 | 263°56.1' | 118°52.9' | N 13°56.7' | 294°25.1' | 13.8' | S 15°51.9' | 8.3' | 54.1' |
| 21 | 278°58.5' | 133°53.0' | N 13°55.9' | 308°57.9' | 13.8' | S 15°43.7' | 8.3' | 54.1' |
| 22 | 294°01.0' | 148°53.1' | N 13°55.1' | 323°30.7' | 13.9' | S 15°35.4' | 8.4' | 54.1' |
| 23 | 309°03.5' | 163°53.3' | N 13°54.3' | 338°03.5' | 13.9' | S 15°27.0' | 8.4' | 54.1' |

Fri Aug 16, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|------|-------|
| | GHA | d = 0.8' SD = 15.8' | | SD = 14.7' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 324°05.9' | 178°53.4' | N 13°53.6' | 352°36.4' | 14.0' | S 15°18.5' | 8.5' | 54.1' |
| 1 | 339°08.4' | 193°53.5' | N 13°52.8' | 7°09.4' | 14.0' | S 15°10.0' | 8.6' | 54.1' |
| 2 | 354°10.8' | 208°53.6' | N 13°52.0' | 21°42.4' | 14.1' | S 15°01.4' | 8.6' | 54.1' |
| 3 | 9°13.3' | 223°53.8' | N 13°51.2' | 36°15.5' | 14.1' | S 14°52.8' | 8.7' | 54.1' |
| 4 | 24°15.8' | 238°53.9' | N 13°50.4' | 50°48.6' | 14.1' | S 14°44.1' | 8.8' | 54.0' |
| 5 | 39°18.2' | 253°54.0' | N 13°49.6' | 65°21.7' | 14.2' | S 14°35.4' | 8.8' | 54.0' |
| 6 | 54°20.7' | 268°54.2' | N 13°48.8' | 79°54.9' | 14.2' | S 14°26.6' | 8.9' | 54.0' |
| 7 | 69°23.2' | 283°54.3' | N 13°48.1' | 94°28.1' | 14.3' | S 14°17.7' | 8.9' | 54.0' |
| 8 | 84°25.6' | 298°54.4' | N 13°47.3' | 109°01.4' | 14.3' | S 14°08.7' | 9.0' | 54.0' |
| 9 | 99°28.1' | 313°54.5' | N 13°46.5' | 123°34.7' | 14.4' | S 13°59.8' | 9.0' | 54.0' |
| 10 | 114°30.6' | 328°54.7' | N 13°45.7' | 138°08.1' | 14.4' | S 13°50.7' | 9.1' | 54.0' |
| 11 | 129°33.0' | 343°54.8' | N 13°44.9' | 152°41.5' | 14.4' | S 13°41.6' | 9.2' | 54.0' |
| 12 | 144°35.5' | 358°54.9' | N 13°44.1' | 167°14.9' | 14.5' | S 13°32.5' | 9.2' | 54.0' |
| 13 | 159°37.9' | 13°55.1' | N 13°43.3' | 181°48.4' | 14.5' | S 13°23.3' | 9.3' | 54.0' |
| 14 | 174°40.4' | 28°55.2' | N 13°42.5' | 196°22.0' | 14.6' | S 13°14.0' | 9.3' | 54.0' |
| 15 | 189°42.9' | 43°55.3' | N 13°41.8' | 210°55.5' | 14.6' | S 13°04.7' | 9.4' | 54.0' |
| 16 | 204°45.3' | 58°55.4' | N 13°41.0' | 225°29.1' | 14.7' | S 12°55.3' | 9.4' | 54.0' |
| 17 | 219°47.8' | 73°55.6' | N 13°40.2' | 240°02.8' | 14.7' | S 12°45.9' | 9.5' | 54.0' |
| 18 | 234°50.3' | 88°55.7' | N 13°39.4' | 254°36.5' | 14.7' | S 12°36.4' | 9.5' | 54.0' |
| 19 | 249°52.7' | 103°55.8' | N 13°38.6' | 269°10.2' | 14.8' | S 12°26.9' | 9.6' | 54.0' |
| 20 | 264°55.2' | 118°56.0' | N 13°37.8' | 283°44.0' | 14.8' | S 12°17.3' | 9.6' | 54.0' |
| 21 | 279°57.7' | 133°56.1' | N 13°37.0' | 298°17.8' | 14.9' | S 12°07.7' | 9.7' | 54.0' |
| 22 | 295°00.1' | 148°56.2' | N 13°36.2' | 312°51.7' | 14.9' | S 11°58.0' | 9.7' | 54.0' |
| 23 | 310°02.6' | 163°56.4' | N 13°35.4' | 327°25.6' | 14.9' | S 11°48.3' | 9.8' | 54.0' |

Sat Aug 17, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|-------|-------|
| | GHA | d = 0.8' SD = 15.8' | | SD = 14.7' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 325°05.1' | 178°56.5' | N 13°34.6' | 341°59.5' | 15.0' | S 11°38.6' | 9.8' | 54.0' |
| 1 | 340°07.5' | 193°56.6' | N 13°33.8' | 356°33.5' | 15.0' | S 11°28.8' | 9.9' | 54.0' |
| 2 | 355°10.0' | 208°56.8' | N 13°33.0' | 11°07.5' | 15.0' | S 11°18.9' | 9.9' | 54.0' |
| 3 | 10°12.4' | 223°56.9' | N 13°32.2' | 25°41.5' | 15.1' | S 11°09.0' | 9.9' | 54.0' |
| 4 | 25°14.9' | 238°57.0' | N 13°31.5' | 40°15.6' | 15.1' | S 10°59.1' | 10.0' | 54.0' |
| 5 | 40°17.4' | 253°57.2' | N 13°30.7' | 54°49.7' | 15.1' | S 10°49.1' | 10.0' | 54.0' |
| 6 | 55°19.8' | 268°57.3' | N 13°29.9' | 69°23.8' | 15.2' | S 10°39.1' | 10.1' | 54.0' |
| 7 | 70°22.3' | 283°57.4' | N 13°29.1' | 83°58.0' | 15.2' | S 10°29.0' | 10.1' | 54.0' |
| 8 | 85°24.8' | 298°57.6' | N 13°28.3' | 98°32.2' | 15.2' | S 10°18.9' | 10.1' | 54.0' |
| 9 | 100°27.2' | 313°57.7' | N 13°27.5' | 113°06.4' | 15.3' | S 10°08.7' | 10.2' | 54.0' |
| 10 | 115°29.7' | 328°57.8' | N 13°26.7' | 127°40.7' | 15.3' | S 9°58.5' | 10.2' | 54.0' |
| 11 | 130°32.2' | 343°58.0' | N 13°25.9' | 142°15.0' | 15.3' | S 9°48.3' | 10.3' | 54.0' |
| 12 | 145°34.6' | 358°58.1' | N 13°25.1' | 156°49.3' | 15.4' | S 9°38.1' | 10.3' | 54.0' |
| 13 | 160°37.1' | 13°58.2' | N 13°24.3' | 171°23.7' | 15.4' | S 9°27.8' | 10.3' | 54.0' |
| 14 | 175°39.5' | 28°58.4' | N 13°23.5' | 185°58.1' | 15.4' | S 9°17.4' | 10.4' | 54.0' |
| 15 | 190°42.0' | 43°58.5' | N 13°22.7' | 200°32.5' | 15.5' | S 9°07.0' | 10.4' | 54.0' |
| 16 | 205°44.5' | 58°58.6' | N 13°21.9' | 215°07.0' | 15.5' | S 8°56.6' | 10.4' | 54.0' |
| 17 | 220°46.9' | 73°58.8' | N 13°21.1' | 229°41.4' | 15.5' | S 8°46.2' | 10.5' | 54.0' |
| 18 | 235°49.4' | 88°58.9' | N 13°20.3' | 244°15.9' | 15.5' | S 8°35.7' | 10.5' | 54.0' |
| 19 | 250°51.9' | 103°59.0' | N 13°19.5' | 258°50.5' | 15.6' | S 8°25.2' | 10.5' | 54.0' |
| 20 | 265°54.3' | 118°59.2' | N 13°18.7' | 273°25.0' | 15.6' | S 8°14.6' | 10.6' | 54.0' |
| 21 | 280°56.8' | 133°59.3' | N 13°17.9' | 287°59.6' | 15.6' | S 8°04.1' | 10.6' | 54.0' |
| 22 | 295°59.3' | 148°59.4' | N 13°17.1' | 302°34.2' | 15.6' | S 7°53.4' | 10.6' | 54.0' |
| 23 | 311°01.7' | 163°59.6' | N 13°16.3' | 317°08.9' | 15.7' | S 7°42.8' | 10.7' | 54.0' |

Sun Aug 18, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|-----------|-------|-------|
| | GHA | d = 0.8' SD = 15.8' | | SD = 14.7' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 326°04.2' | 178°59.7' | N 13°15.5' | 331°43.5' | 15.7' | S 7°32.1' | 10.7' | 54.0' |
| 1 | 341°06.7' | 193°59.9' | N 13°14.7' | 346°18.2' | 15.7' | S 7°21.4' | 10.7' | 54.0' |
| 2 | 356°09.1' | 208°60.0' | N 13°13.9' | 0°52.9' | 15.7' | S 7°10.7' | 10.8' | 54.0' |
| 3 | 11°11.6' | 224°00.1' | N 13°13.1' | 15°27.6' | 15.7' | S 6°59.9' | 10.8' | 54.0' |
| 4 | 26°14.0' | 239°00.3' | N 13°12.3' | 30°02.3' | 15.8' | S 6°49.1' | 10.8' | 54.0' |
| 5 | 41°16.5' | 254°00.4' | N 13°11.5' | 44°37.1' | 15.8' | S 6°38.3' | 10.8' | 54.0' |
| 6 | 56°19.0' | 269°00.5' | N 13°10.7' | 59°11.9' | 15.8' | S 6°27.5' | 10.9' | 54.0' |
| 7 | 71°21.4' | 284°00.7' | N 13°09.9' | 73°46.7' | 15.8' | S 6°16.6' | 10.9' | 54.0' |
| 8 | 86°23.9' | 299°00.8' | N 13°09.1' | 88°21.5' | 15.8' | S 6°05.7' | 10.9' | 54.0' |
| 9 | 101°26.4' | 314°01.0' | N 13°08.2' | 102°56.3' | 15.8' | S 5°54.8' | 10.9' | 54.0' |
| 10 | 116°28.8' | 329°01.1' | N 13°07.4' | 117°31.2' | 15.9' | S 5°43.9' | 11.0' | 54.0' |
| 11 | 131°31.3' | 344°01.2' | N 13°06.6' | 132°06.0' | 15.9' | S 5°32.9' | 11.0' | 54.0' |
| 12 | 146°33.8' | 359°01.4' | N 13°05.8' | 146°40.9' | 15.9' | S 5°21.9' | 11.0' | 54.0' |
| 13 | 161°36.2' | 14°01.5' | N 13°05.0' | 161°15.8' | 15.9' | S 5°10.9' | 11.0' | 54.0' |
| 14 | 176°38.7' | 29°01.7' | N 13°04.2' | 175°50.7' | 15.9' | S 4°59.9' | 11.0' | 54.0' |
| 15 | 191°41.2' | 44°01.8' | N 13°03.4' | 190°25.6' | 15.9' | S 4°48.8' | 11.1' | 54.1' |
| 16 | 206°43.6' | 59°01.9' | N 13°02.6' | 205°00.5' | 15.9' | S 4°37.8' | 11.1' | 54.1' |
| 17 | 221°46.1' | 74°02.1' | N 13°01.8' | 219°35.5' | 15.9' | S 4°26.7' | 11.1' | 54.1' |
| 18 | 236°48.5' | 89°02.2' | N 13°01.0' | 234°10.4' | 16.0' | S 4°15.6' | 11.1' | 54.1' |
| 19 | 251°51.0' | 104°02.4' | N 13°00.2' | 248°45.4' | 16.0' | S 4°04.4' | 11.1' | 54.1' |
| 20 | 266°53.5' | 119°02.5' | N 12°59.4' | 263°20.4' | 16.0' | S 3°53.3' | 11.2' | 54.1' |
| 21 | 281°55.9' | 134°02.6' | N 12°58.6' | 277°55.3' | 16.0' | S 3°42.1' | 11.2' | 54.1' |
| 22 | 296°58.4' | 149°02.8' | N 12°57.7' | 292°30.3' | 16.0' | S 3°31.0' | 11.2' | 54.1' |
| 23 | 312°00.9' | 164°02.9' | N 12°56.9' | 307°05.3' | 16.0' | S 3°19.8' | 11.2' | 54.1' |

Mon Aug 19, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|-----------|-------|-------|
| | GHA | d = 0.8' SD = 15.8' | | SD = 14.8' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 327°03.3' | 179°03.1' | N 12°56.1' | 321°40.3' | 16.0' | S 3°08.6' | 11.2' | 54.1' |
| 1 | 342°05.8' | 194°03.2' | N 12°55.3' | 336°15.3' | 16.0' | S 2°57.3' | 11.2' | 54.1' |
| 2 | 357°08.3' | 209°03.4' | N 12°54.5' | 350°50.3' | 16.0' | S 2°46.1' | 11.2' | 54.1' |
| 3 | 12°10.7' | 224°03.5' | N 12°53.7' | 5°25.3' | 16.0' | S 2°34.9' | 11.3' | 54.1' |
| 4 | 27°13.2' | 239°03.6' | N 12°52.9' | 20°00.3' | 16.0' | S 2°23.6' | 11.3' | 54.1' |
| 5 | 42°15.6' | 254°03.8' | N 12°52.1' | 34°35.3' | 16.0' | S 2°12.3' | 11.3' | 54.1' |
| 6 | 57°18.1' | 269°03.9' | N 12°51.3' | 49°10.4' | 16.0' | S 2°01.0' | 11.3' | 54.2' |
| 7 | 72°20.6' | 284°04.1' | N 12°50.4' | 63°45.4' | 16.0' | S 1°49.8' | 11.3' | 54.2' |
| 8 | 87°23.0' | 299°04.2' | N 12°49.6' | 78°20.4' | 16.0' | S 1°38.4' | 11.3' | 54.2' |
| 9 | 102°25.5' | 314°04.4' | N 12°48.8' | 92°55.4' | 16.0' | S 1°27.1' | 11.3' | 54.2' |
| 10 | 117°28.0' | 329°04.5' | N 12°48.0' | 107°30.4' | 16.0' | S 1°15.8' | 11.3' | 54.2' |
| 11 | 132°30.4' | 344°04.6' | N 12°47.2' | 122°05.4' | 16.0' | S 1°04.5' | 11.3' | 54.2' |
| 12 | 147°32.9' | 359°04.8' | N 12°46.4' | 136°40.4' | 16.0' | S 0°53.1' | 11.3' | 54.2' |
| 13 | 162°35.4' | 14°04.9' | N 12°45.6' | 151°15.4' | 16.0' | S 0°41.8' | 11.3' | 54.2' |
| 14 | 177°37.8' | 29°05.1' | N 12°44.7' | 165°50.4' | 16.0' | S 0°30.5' | 11.4' | 54.2' |
| 15 | 192°40.3' | 44°05.2' | N 12°43.9' | 180°25.4' | 16.0' | S 0°19.1' | 11.4' | 54.2' |
| 16 | 207°42.8' | 59°05.4' | N 12°43.1' | 195°00.4' | 16.0' | S 0°07.7' | 11.4' | 54.3' |
| 17 | 222°45.2' | 74°05.5' | N 12°42.3' | 209°35.3' | 16.0' | N 0°03.6' | 11.4' | 54.3' |
| 18 | 237°47.7' | 89°05.7' | N 12°41.5' | 224°10.3' | 16.0' | N 0°15.0' | 11.4' | 54.3' |
| 19 | 252°50.1' | 104°05.8' | N 12°40.7' | 238°45.3' | 15.9' | N 0°26.4' | 11.4' | 54.3' |
| 20 | 267°52.6' | 119°06.0' | N 12°39.8' | 253°20.2' | 15.9' | N 0°37.7' | 11.4' | 54.3' |
| 21 | 282°55.1' | 134°06.1' | N 12°39.0' | 267°55.1' | 15.9' | N 0°49.1' | 11.4' | 54.3' |
| 22 | 297°57.5' | 149°06.2' | N 12°38.2' | 282°30.0' | 15.9' | N 1°00.5' | 11.4' | 54.3' |
| 23 | 312°60.0' | 164°06.4' | N 12°37.4' | 297°05.0' | 15.9' | N 1°11.8' | 11.4' | 54.3' |

Tue Aug 20, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|-----------|-------|-------|
| | GHA | d = 0.8' SD = 15.8' | | SD = 14.9' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 328°02.5' | 179°06.5' | N 12°36.6' | 311°39.8' | 15.9' | N 1°23.2' | 11.4' | 54.3' |
| 1 | 343°04.9' | 194°06.7' | N 12°35.7' | 326°14.7' | 15.9' | N 1°34.6' | 11.4' | 54.4' |
| 2 | 358°07.4' | 209°06.8' | N 12°34.9' | 340°49.6' | 15.8' | N 1°46.0' | 11.4' | 54.4' |
| 3 | 13°09.9' | 224°07.0' | N 12°34.1' | 355°24.4' | 15.8' | N 1°57.3' | 11.4' | 54.4' |
| 4 | 28°12.3' | 239°07.1' | N 12°33.3' | 9°59.3' | 15.8' | N 2°08.7' | 11.4' | 54.4' |
| 5 | 43°14.8' | 254°07.3' | N 12°32.5' | 24°34.1' | 15.8' | N 2°20.1' | 11.4' | 54.4' |
| 6 | 58°17.2' | 269°07.4' | N 12°31.6' | 39°08.9' | 15.8' | N 2°31.4' | 11.4' | 54.4' |
| 7 | 73°19.7' | 284°07.6' | N 12°30.8' | 53°43.6' | 15.8' | N 2°42.8' | 11.3' | 54.4' |
| 8 | 88°22.2' | 299°07.7' | N 12°30.0' | 68°18.4' | 15.7' | N 2°54.1' | 11.3' | 54.5' |
| 9 | 103°24.6' | 314°07.9' | N 12°29.2' | 82°53.1' | 15.7' | N 3°05.5' | 11.3' | 54.5' |
| 10 | 118°27.1' | 329°08.0' | N 12°28.4' | 97°27.8' | 15.7' | N 3°16.8' | 11.3' | 54.5' |
| 11 | 133°29.6' | 344°08.2' | N 12°27.5' | 112°02.5' | 15.7' | N 3°28.1' | 11.3' | 54.5' |
| 12 | 148°32.0' | 359°08.3' | N 12°26.7' | 126°37.2' | 15.6' | N 3°39.5' | 11.3' | 54.5' |
| 13 | 163°34.5' | 14°08.5' | N 12°25.9' | 141°11.8' | 15.6' | N 3°50.8' | 11.3' | 54.5' |
| 14 | 178°37.0' | 29°08.6' | N 12°25.1' | 155°46.4' | 15.6' | N 4°02.1' | 11.3' | 54.6' |
| 15 | 193°39.4' | 44°08.8' | N 12°24.2' | 170°21.0' | 15.6' | N 4°13.4' | 11.3' | 54.6' |
| 16 | 208°41.9' | 59°08.9' | N 12°23.4' | 184°55.5' | 15.5' | N 4°24.7' | 11.3' | 54.6' |
| 17 | 223°44.4' | 74°09.1' | N 12°22.6' | 199°30.1' | 15.5' | N 4°35.9' | 11.3' | 54.6' |
| 18 | 238°46.8' | 89°09.2' | N 12°21.8' | 214°04.6' | 15.5' | N 4°47.2' | 11.2' | 54.6' |
| 19 | 253°49.3' | 104°09.4' | N 12°20.9' | 228°39.0' | 15.4' | N 4°58.4' | 11.2' | 54.6' |
| 20 | 268°51.7' | 119°09.5' | N 12°20.1' | 243°13.5' | 15.4' | N 5°09.7' | 11.2' | 54.7' |
| 21 | 283°54.2' | 134°09.7' | N 12°19.3' | 257°47.9' | 15.4' | N 5°20.9' | 11.2' | 54.7' |
| 22 | 298°56.7' | 149°09.8' | N 12°18.5' | 272°22.2' | 15.3' | N 5°32.1' | 11.2' | 54.7' |
| 23 | 313°59.1' | 164°10.0' | N 12°17.6' | 286°56.6' | 15.3' | N 5°43.3' | 11.2' | 54.7' |

Wed Aug 21, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|-------|-------|
| | GHA | d = 0.8' SD = 15.8' | | SD = 15.0' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 329°01.6' | 179°10.1' | N 12°16.8' | 301°30.9' | 15.3' | N 5°54.4' | 11.2' | 54.7' |
| 1 | 344°04.1' | 194°10.3' | N 12°16.0' | 316°05.1' | 15.2' | N 6°05.6' | 11.1' | 54.7' |
| 2 | 359°06.5' | 209°10.4' | N 12°15.1' | 330°39.4' | 15.2' | N 6°16.7' | 11.1' | 54.8' |
| 3 | 14°09.0' | 224°10.6' | N 12°14.3' | 345°13.6' | 15.2' | N 6°27.9' | 11.1' | 54.8' |
| 4 | 29°11.5' | 239°10.7' | N 12°13.5' | 359°47.7' | 15.1' | N 6°39.0' | 11.1' | 54.8' |
| 5 | 44°13.9' | 254°10.9' | N 12°12.7' | 14°21.8' | 15.1' | N 6°50.0' | 11.1' | 54.8' |
| 6 | 59°16.4' | 269°11.0' | N 12°11.8' | 28°55.9' | 15.0' | N 7°01.1' | 11.0' | 54.8' |
| 7 | 74°18.8' | 284°11.2' | N 12°11.0' | 43°29.9' | 15.0' | N 7°12.1' | 11.0' | 54.9' |
| 8 | 89°21.3' | 299°11.4' | N 12°10.2' | 58°03.9' | 14.9' | N 7°23.2' | 11.0' | 54.9' |
| 9 | 104°23.8' | 314°11.5' | N 12°09.3' | 72°37.9' | 14.9' | N 7°34.2' | 11.0' | 54.9' |
| 10 | 119°26.2' | 329°11.7' | N 12°08.5' | 87°11.8' | 14.9' | N 7°45.1' | 10.9' | 54.9' |
| 11 | 134°28.7' | 344°11.8' | N 12°07.7' | 101°45.6' | 14.8' | N 7°56.1' | 10.9' | 54.9' |
| 12 | 149°31.2' | 359°12.0' | N 12°06.8' | 116°19.4' | 14.8' | N 8°07.0' | 10.9' | 55.0' |
| 13 | 164°33.6' | 14°12.1' | N 12°06.0' | 130°53.2' | 14.7' | N 8°17.9' | 10.9' | 55.0' |
| 14 | 179°36.1' | 29°12.3' | N 12°05.2' | 145°26.9' | 14.7' | N 8°28.8' | 10.8' | 55.0' |
| 15 | 194°38.6' | 44°12.4' | N 12°04.3' | 160°00.6' | 14.6' | N 8°39.6' | 10.8' | 55.0' |
| 16 | 209°41.0' | 59°12.6' | N 12°03.5' | 174°34.2' | 14.6' | N 8°50.4' | 10.8' | 55.1' |
| 17 | 224°43.5' | 74°12.7' | N 12°02.7' | 189°07.8' | 14.5' | N 9°01.2' | 10.8' | 55.1' |
| 18 | 239°46.0' | 89°12.9' | N 12°01.9' | 203°41.3' | 14.5' | N 9°12.0' | 10.7' | 55.1' |
| 19 | 254°48.4' | 104°13.1' | N 12°01.0' | 218°14.8' | 14.4' | N 9°22.7' | 10.7' | 55.1' |
| 20 | 269°50.9' | 119°13.2' | N 12°00.2' | 232°48.2' | 14.4' | N 9°33.4' | 10.7' | 55.1' |
| 21 | 284°53.3' | 134°13.4' | N 11°59.3' | 247°21.6' | 14.3' | N 9°44.1' | 10.6' | 55.2' |
| 22 | 299°55.8' | 149°13.5' | N 11°58.5' | 261°54.9' | 14.3' | N 9°54.7' | 10.6' | 55.2' |
| 23 | 314°58.3' | 164°13.7' | N 11°57.7' | 276°28.1' | 14.2' | N 10°05.3' | 10.6' | 55.2' |

Thu Aug 22, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|-------|-------|
| | GHA | d = 0.8' SD = 15.8' | | SD = 15.1' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 330°00.7' | 179°13.8' | N 11°56.8' | 291°01.4' | 14.1' | N 10°15.8' | 10.5' | 55.2' |
| 1 | 345°03.2' | 194°14.0' | N 11°56.0' | 305°34.5' | 14.1' | N 10°26.4' | 10.5' | 55.3' |
| 2 | 0°05.7' | 209°14.1' | N 11°55.2' | 320°07.6' | 14.0' | N 10°36.9' | 10.5' | 55.3' |
| 3 | 15°08.1' | 224°14.3' | N 11°54.3' | 334°40.6' | 14.0' | N 10°47.3' | 10.4' | 55.3' |
| 4 | 30°10.6' | 239°14.5' | N 11°53.5' | 349°13.6' | 13.9' | N 10°57.8' | 10.4' | 55.3' |
| 5 | 45°13.1' | 254°14.6' | N 11°52.7' | 3°46.5' | 13.8' | N 11°08.1' | 10.3' | 55.4' |
| 6 | 60°15.5' | 269°14.8' | N 11°51.8' | 18°19.3' | 13.8' | N 11°18.5' | 10.3' | 55.4' |
| 7 | 75°18.0' | 284°14.9' | N 11°51.0' | 32°52.1' | 13.7' | N 11°28.8' | 10.3' | 55.4' |
| 8 | 90°20.5' | 299°15.1' | N 11°50.1' | 47°24.8' | 13.7' | N 11°39.0' | 10.2' | 55.4' |
| 9 | 105°22.9' | 314°15.3' | N 11°49.3' | 61°57.5' | 13.6' | N 11°49.3' | 10.2' | 55.5' |
| 10 | 120°25.4' | 329°15.4' | N 11°48.5' | 76°30.1' | 13.5' | N 11°59.4' | 10.1' | 55.5' |
| 11 | 135°27.8' | 344°15.6' | N 11°47.6' | 91°02.6' | 13.5' | N 12°09.6' | 10.1' | 55.5' |
| 12 | 150°30.3' | 359°15.7' | N 11°46.8' | 105°35.1' | 13.4' | N 12°19.7' | 10.0' | 55.6' |
| 13 | 165°32.8' | 14°15.9' | N 11°46.0' | 120°07.5' | 13.3' | N 12°29.7' | 10.0' | 55.6' |
| 14 | 180°35.2' | 29°16.0' | N 11°45.1' | 134°39.8' | 13.3' | N 12°39.7' | 10.0' | 55.6' |
| 15 | 195°37.7' | 44°16.2' | N 11°44.3' | 149°12.1' | 13.2' | N 12°49.7' | 9.9' | 55.6' |
| 16 | 210°40.2' | 59°16.4' | N 11°43.4' | 163°44.3' | 13.1' | N 12°59.6' | 9.9' | 55.7' |
| 17 | 225°42.6' | 74°16.5' | N 11°42.6' | 178°16.4' | 13.1' | N 13°09.4' | 9.8' | 55.7' |
| 18 | 240°45.1' | 89°16.7' | N 11°41.8' | 192°48.4' | 13.0' | N 13°19.2' | 9.8' | 55.7' |
| 19 | 255°47.6' | 104°16.8' | N 11°40.9' | 207°20.4' | 12.9' | N 13°29.0' | 9.7' | 55.7' |
| 20 | 270°50.0' | 119°17.0' | N 11°40.1' | 221°52.3' | 12.8' | N 13°38.7' | 9.7' | 55.8' |
| 21 | 285°52.5' | 134°17.2' | N 11°39.2' | 236°24.2' | 12.8' | N 13°48.3' | 9.6' | 55.8' |
| 22 | 300°54.9' | 149°17.3' | N 11°38.4' | 250°55.9' | 12.7' | N 13°57.9' | 9.5' | 55.8' |
| 23 | 315°57.4' | 164°17.5' | N 11°37.5' | 265°27.6' | 12.6' | N 14°07.5' | 9.5' | 55.9' |

Fri Aug 23, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|------|-------|
| | GHA | d = 0.8' SD = 15.8' | | SD = 15.3' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 330°59.9' | 179°17.6' | N 11°36.7' | 279°59.2' | 12.5' | N 14°17.0' | 9.4' | 55.9' |
| 1 | 346°02.3' | 194°17.8' | N 11°35.9' | 294°30.8' | 12.5' | N 14°26.4' | 9.4' | 55.9' |
| 2 | 1°04.8' | 209°18.0' | N 11°35.0' | 309°02.2' | 12.4' | N 14°35.8' | 9.3' | 56.0' |
| 3 | 16°07.3' | 224°18.1' | N 11°34.2' | 323°33.6' | 12.3' | N 14°45.1' | 9.3' | 56.0' |
| 4 | 31°09.7' | 239°18.3' | N 11°33.3' | 338°04.9' | 12.2' | N 14°54.3' | 9.2' | 56.0' |
| 5 | 46°12.2' | 254°18.5' | N 11°32.5' | 352°36.1' | 12.1' | N 15°03.5' | 9.1' | 56.1' |
| 6 | 61°14.7' | 269°18.6' | N 11°31.6' | 7°07.3' | 12.1' | N 15°12.7' | 9.1' | 56.1' |
| 7 | 76°17.1' | 284°18.8' | N 11°30.8' | 21°38.3' | 12.0' | N 15°21.8' | 9.0' | 56.1' |
| 8 | 91°19.6' | 299°18.9' | N 11°29.9' | 36°09.3' | 11.9' | N 15°30.8' | 8.9' | 56.1' |
| 9 | 106°22.1' | 314°19.1' | N 11°29.1' | 50°40.2' | 11.8' | N 15°39.7' | 8.9' | 56.2' |
| 10 | 121°24.5' | 329°19.3' | N 11°28.2' | 65°11.1' | 11.7' | N 15°48.6' | 8.8' | 56.2' |
| 11 | 136°27.0' | 344°19.4' | N 11°27.4' | 79°41.8' | 11.7' | N 15°57.4' | 8.7' | 56.2' |
| 12 | 151°29.4' | 359°19.6' | N 11°26.6' | 94°12.4' | 11.6' | N 16°06.1' | 8.7' | 56.3' |
| 13 | 166°31.9' | 14°19.8' | N 11°25.7' | 108°43.0' | 11.5' | N 16°14.8' | 8.6' | 56.3' |
| 14 | 181°34.4' | 29°19.9' | N 11°24.9' | 123°13.5' | 11.4' | N 16°23.4' | 8.5' | 56.3' |
| 15 | 196°36.8' | 44°20.1' | N 11°24.0' | 137°43.9' | 11.3' | N 16°32.0' | 8.5' | 56.4' |
| 16 | 211°39.3' | 59°20.3' | N 11°23.2' | 152°14.2' | 11.2' | N 16°40.4' | 8.4' | 56.4' |
| 17 | 226°41.8' | 74°20.4' | N 11°22.3' | 166°44.5' | 11.1' | N 16°48.8' | 8.3' | 56.4' |
| 18 | 241°44.2' | 89°20.6' | N 11°21.5' | 181°14.6' | 11.1' | N 16°57.1' | 8.2' | 56.5' |
| 19 | 256°46.7' | 104°20.7' | N 11°20.6' | 195°44.7' | 11.0' | N 17°05.4' | 8.2' | 56.5' |
| 20 | 271°49.2' | 119°20.9' | N 11°19.8' | 210°14.6' | 10.9' | N 17°13.6' | 8.1' | 56.5' |
| 21 | 286°51.6' | 134°21.1' | N 11°18.9' | 224°44.5' | 10.8' | N 17°21.7' | 8.0' | 56.6' |
| 22 | 301°54.1' | 149°21.2' | N 11°18.1' | 239°14.3' | 10.7' | N 17°29.7' | 7.9' | 56.6' |
| 23 | 316°56.6' | 164°21.4' | N 11°17.2' | 253°44.0' | 10.6' | N 17°37.6' | 7.9' | 56.7' |

Sat Aug 24, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|-------|------------|------|-------|
| | GHA | d = 0.9' SD = 15.8' | | SD = 15.6' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 331°59.0' | 179°21.6' | N 11°16.4' | 268°13.7' | 10.5' | N 17°45.4' | 7.8' | 56.7' |
| 1 | 347°01.5' | 194°21.7' | N 11°15.5' | 282°43.2' | 10.4' | N 17°53.2' | 7.7' | 56.7' |
| 2 | 2°03.9' | 209°21.9' | N 11°14.7' | 297°12.6' | 10.4' | N 18°00.9' | 7.6' | 56.8' |
| 3 | 17°06.4' | 224°22.1' | N 11°13.8' | 311°42.0' | 10.3' | N 18°08.5' | 7.5' | 56.8' |
| 4 | 32°08.9' | 239°22.2' | N 11°13.0' | 326°11.2' | 10.2' | N 18°16.0' | 7.4' | 56.8' |
| 5 | 47°11.3' | 254°22.4' | N 11°12.1' | 340°40.4' | 10.1' | N 18°23.5' | 7.3' | 56.9' |
| 6 | 62°13.8' | 269°22.6' | N 11°11.3' | 355°09.5' | 10.0' | N 18°30.8' | 7.3' | 56.9' |
| 7 | 77°16.3' | 284°22.7' | N 11°10.4' | 9°38.5' | 9.9' | N 18°38.1' | 7.2' | 56.9' |
| 8 | 92°18.7' | 299°22.9' | N 11°09.5' | 24°07.4' | 9.8' | N 18°45.2' | 7.1' | 57.0' |
| 9 | 107°21.2' | 314°23.1' | N 11°08.7' | 38°36.2' | 9.7' | N 18°52.3' | 7.0' | 57.0' |
| 10 | 122°23.7' | 329°23.2' | N 11°07.8' | 53°04.9' | 9.6' | N 18°59.3' | 6.9' | 57.1' |
| 11 | 137°26.1' | 344°23.4' | N 11°07.0' | 67°33.5' | 9.5' | N 19°06.2' | 6.8' | 57.1' |
| 12 | 152°28.6' | 359°23.6' | N 11°06.1' | 82°02.1' | 9.4' | N 19°13.0' | 6.7' | 57.1' |
| 13 | 167°31.0' | 14°23.7' | N 11°05.3' | 96°30.5' | 9.3' | N 19°19.7' | 6.6' | 57.2' |
| 14 | 182°33.5' | 29°23.9' | N 11°04.4' | 110°58.9' | 9.3' | N 19°26.3' | 6.5' | 57.2' |
| 15 | 197°36.0' | 44°24.1' | N 11°03.6' | 125°27.1' | 9.2' | N 19°32.8' | 6.4' | 57.2' |
| 16 | 212°38.4' | 59°24.2' | N 11°02.7' | 139°55.3' | 9.1' | N 19°39.2' | 6.3' | 57.3' |
| 17 | 227°40.9' | 74°24.4' | N 11°01.9' | 154°23.4' | 9.0' | N 19°45.5' | 6.2' | 57.3' |
| 18 | 242°43.4' | 89°24.6' | N 11°01.0' | 168°51.3' | 8.9' | N 19°51.7' | 6.1' | 57.4' |
| 19 | 257°45.8' | 104°24.7' | N 11°00.1' | 183°19.2' | 8.8' | N 19°57.8' | 6.0' | 57.4' |
| 20 | 272°48.3' | 119°24.9' | N 10°59.3' | 197°47.0' | 8.7' | N 20°03.8' | 5.9' | 57.4' |
| 21 | 287°50.8' | 134°25.1' | N 10°58.4' | 212°14.7' | 8.6' | N 20°09.7' | 5.8' | 57.5' |
| 22 | 302°53.2' | 149°25.3' | N 10°57.6' | 226°42.4' | 8.5' | N 20°15.5' | 5.7' | 57.5' |
| 23 | 317°55.7' | 164°25.4' | N 10°56.7' | 241°09.9' | 8.4' | N 20°21.2' | 5.6' | 57.5' |

Sun Aug 25, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|------|------------|------|-------|
| | GHA | d = 0.9' SD = 15.8' | | SD = 15.8' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 332°58.2' | 179°25.6' | N 10°55.9' | 255°37.3' | 8.3' | N 20°26.8' | 5.5' | 57.6' |
| 1 | 348°00.6' | 194°25.8' | N 10°55.0' | 270°04.7' | 8.3' | N 20°32.3' | 5.4' | 57.6' |
| 2 | 3°03.1' | 209°25.9' | N 10°54.1' | 284°31.9' | 8.2' | N 20°37.6' | 5.2' | 57.7' |
| 3 | 18°05.5' | 224°26.1' | N 10°53.3' | 298°59.1' | 8.1' | N 20°42.9' | 5.1' | 57.7' |
| 4 | 33°08.0' | 239°26.3' | N 10°52.4' | 313°26.1' | 8.0' | N 20°48.0' | 5.0' | 57.7' |
| 5 | 48°10.5' | 254°26.4' | N 10°51.6' | 327°53.1' | 7.9' | N 20°53.0' | 4.9' | 57.8' |
| 6 | 63°12.9' | 269°26.6' | N 10°50.7' | 342°20.0' | 7.8' | N 20°57.9' | 4.8' | 57.8' |
| 7 | 78°15.4' | 284°26.8' | N 10°49.8' | 356°46.8' | 7.7' | N 21°02.7' | 4.7' | 57.9' |
| 8 | 93°17.9' | 299°27.0' | N 10°49.0' | 11°13.5' | 7.6' | N 21°07.3' | 4.5' | 57.9' |
| 9 | 108°20.3' | 314°27.1' | N 10°48.1' | 25°40.2' | 7.5' | N 21°11.9' | 4.4' | 57.9' |
| 10 | 123°22.8' | 329°27.3' | N 10°47.3' | 40°06.7' | 7.5' | N 21°16.3' | 4.3' | 58.0' |
| 11 | 138°25.3' | 344°27.5' | N 10°46.4' | 54°33.2' | 7.4' | N 21°20.6' | 4.2' | 58.0' |
| 12 | 153°27.7' | 359°27.6' | N 10°45.5' | 68°59.5' | 7.3' | N 21°24.8' | 4.1' | 58.1' |
| 13 | 168°30.2' | 14°27.8' | N 10°44.7' | 83°25.8' | 7.2' | N 21°28.9' | 3.9' | 58.1' |
| 14 | 183°32.7' | 29°28.0' | N 10°43.8' | 97°52.0' | 7.1' | N 21°32.8' | 3.8' | 58.1' |
| 15 | 198°35.1' | 44°28.2' | N 10°42.9' | 112°18.1' | 7.0' | N 21°36.6' | 3.7' | 58.2' |
| 16 | 213°37.6' | 59°28.3' | N 10°42.1' | 126°44.2' | 6.9' | N 21°40.3' | 3.6' | 58.2' |
| 17 | 228°40.0' | 74°28.5' | N 10°41.2' | 141°10.1' | 6.9' | N 21°43.9' | 3.4' | 58.3' |
| 18 | 243°42.5' | 89°28.7' | N 10°40.4' | 155°36.0' | 6.8' | N 21°47.3' | 3.3' | 58.3' |
| 19 | 258°45.0' | 104°28.8' | N 10°39.5' | 170°01.8' | 6.7' | N 21°50.6' | 3.2' | 58.3' |
| 20 | 273°47.4' | 119°29.0' | N 10°38.6' | 184°27.5' | 6.6' | N 21°53.7' | 3.0' | 58.4' |
| 21 | 288°49.9' | 134°29.2' | N 10°37.8' | 198°53.1' | 6.5' | N 21°56.8' | 2.9' | 58.4' |
| 22 | 303°52.4' | 149°29.4' | N 10°36.9' | 213°18.7' | 6.5' | N 21°59.7' | 2.8' | 58.5' |
| 23 | 318°54.8' | 164°29.5' | N 10°36.0' | 227°44.1' | 6.4' | N 22°02.4' | 2.6' | 58.5' |

Mon Aug 26, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|------|------------|------|-------|
| | GHA | d = 0.9' SD = 15.8' | | SD = 16.1' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 333°57.3' | 179°29.7' | N 10°35.2' | 242°09.5' | 6.3' | N 22°05.1' | 2.5' | 58.5' |
| 1 | 348°59.8' | 194°29.9' | N 10°34.3' | 256°34.8' | 6.2' | N 22°07.6' | 2.4' | 58.6' |
| 2 | 4°02.2' | 209°30.1' | N 10°33.4' | 271°00.1' | 6.2' | N 22°09.9' | 2.2' | 58.6' |
| 3 | 19°04.7' | 224°30.2' | N 10°32.6' | 285°25.3' | 6.1' | N 22°12.2' | 2.1' | 58.7' |
| 4 | 34°07.2' | 239°30.4' | N 10°31.7' | 299°50.4' | 6.0' | N 22°14.2' | 1.9' | 58.7' |
| 5 | 49°09.6' | 254°30.6' | N 10°30.8' | 314°15.4' | 6.0' | N 22°16.2' | 1.8' | 58.7' |
| 6 | 64°12.1' | 269°30.8' | N 10°30.0' | 328°40.4' | 5.9' | N 22°18.0' | 1.7' | 58.8' |
| 7 | 79°14.5' | 284°30.9' | N 10°29.1' | 343°05.2' | 5.8' | N 22°19.6' | 1.5' | 58.8' |
| 8 | 94°17.0' | 299°31.1' | N 10°28.2' | 357°30.1' | 5.8' | N 22°21.2' | 1.4' | 58.9' |
| 9 | 109°19.5' | 314°31.3' | N 10°27.4' | 11°54.8' | 5.7' | N 22°22.5' | 1.2' | 58.9' |
| 10 | 124°21.9' | 329°31.5' | N 10°26.5' | 26°19.5' | 5.6' | N 22°23.8' | 1.1' | 58.9' |
| 11 | 139°24.4' | 344°31.6' | N 10°25.6' | 40°44.1' | 5.6' | N 22°24.8' | 0.9' | 59.0' |
| 12 | 154°26.9' | 359°31.8' | N 10°24.8' | 55°08.7' | 5.5' | N 22°25.8' | 0.8' | 59.0' |
| 13 | 169°29.3' | 14°32.0' | N 10°23.9' | 69°33.2' | 5.4' | N 22°26.6' | 0.6' | 59.0' |
| 14 | 184°31.8' | 29°32.2' | N 10°23.0' | 83°57.6' | 5.4' | N 22°27.2' | 0.5' | 59.1' |
| 15 | 199°34.3' | 44°32.3' | N 10°22.1' | 98°22.0' | 5.3' | N 22°27.7' | 0.3' | 59.1' |
| 16 | 214°36.7' | 59°32.5' | N 10°21.3' | 112°46.4' | 5.3' | N 22°28.1' | 0.2' | 59.2' |
| 17 | 229°39.2' | 74°32.7' | N 10°20.4' | 127°10.6' | 5.2' | N 22°28.3' | 0.0' | 59.2' |
| 18 | 244°41.6' | 89°32.9' | N 10°19.5' | 141°34.8' | 5.2' | N 22°28.3' | 0.1' | 59.2' |
| 19 | 259°44.1' | 104°33.0' | N 10°18.7' | 155°59.0' | 5.1' | N 22°28.2' | 0.3' | 59.3' |
| 20 | 274°46.6' | 119°33.2' | N 10°17.8' | 170°23.1' | 5.1' | N 22°28.0' | 0.4' | 59.3' |
| 21 | 289°49.0' | 134°33.4' | N 10°16.9' | 184°47.2' | 5.0' | N 22°27.5' | 0.6' | 59.4' |
| 22 | 304°51.5' | 149°33.6' | N 10°16.1' | 199°11.2' | 5.0' | N 22°27.0' | 0.7' | 59.4' |
| 23 | 319°54.0' | 164°33.8' | N 10°15.2' | 213°35.2' | 4.9' | N 22°26.3' | 0.9' | 59.4' |

Tue Aug 27, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|------------|------------|------|------------|------|-------|
| | GHA | d = 0.9' SD = 15.8' | | SD = 16.3' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 334°56.4' | 179°33.9' | N 10°14.3' | 227°59.1' | 4.9' | N 22°25.4' | 1.0' | 59.5' |
| 1 | 349°58.9' | 194°34.1' | N 10°13.4' | 242°23.0' | 4.8' | N 22°24.4' | 1.2' | 59.5' |
| 2 | 5°01.4' | 209°34.3' | N 10°12.6' | 256°46.8' | 4.8' | N 22°23.2' | 1.3' | 59.5' |
| 3 | 20°03.8' | 224°34.5' | N 10°11.7' | 271°10.6' | 4.8' | N 22°21.9' | 1.5' | 59.6' |
| 4 | 35°06.3' | 239°34.6' | N 10°10.8' | 285°34.4' | 4.7' | N 22°20.4' | 1.6' | 59.6' |
| 5 | 50°08.8' | 254°34.8' | N 10°09.9' | 299°58.1' | 4.7' | N 22°18.8' | 1.8' | 59.7' |
| 6 | 65°11.2' | 269°35.0' | N 10°09.1' | 314°21.8' | 4.7' | N 22°17.0' | 2.0' | 59.7' |
| 7 | 80°13.7' | 284°35.2' | N 10°08.2' | 328°45.5' | 4.6' | N 22°15.0' | 2.1' | 59.7' |
| 8 | 95°16.1' | 299°35.4' | N 10°07.3' | 343°09.1' | 4.6' | N 22°12.9' | 2.3' | 59.8' |
| 9 | 110°18.6' | 314°35.5' | N 10°06.4' | 357°32.7' | 4.6' | N 22°10.7' | 2.4' | 59.8' |
| 10 | 125°21.1' | 329°35.7' | N 10°05.6' | 11°56.3' | 4.5' | N 22°08.2' | 2.6' | 59.8' |
| 11 | 140°23.5' | 344°35.9' | N 10°04.7' | 26°19.8' | 4.5' | N 22°05.7' | 2.7' | 59.9' |
| 12 | 155°26.0' | 359°36.1' | N 10°03.8' | 40°43.3' | 4.5' | N 22°02.9' | 2.9' | 59.9' |
| 13 | 170°28.5' | 14°36.3' | N 10°02.9' | 55°06.8' | 4.5' | N 22°00.0' | 3.1' | 59.9' |
| 14 | 185°30.9' | 29°36.4' | N 10°02.1' | 69°30.3' | 4.5' | N 21°57.0' | 3.2' | 60.0' |
| 15 | 200°33.4' | 44°36.6' | N 10°01.2' | 83°53.8' | 4.4' | N 21°53.8' | 3.4' | 60.0' |
| 16 | 215°35.9' | 59°36.8' | N 10°00.3' | 98°17.2' | 4.4' | N 21°50.4' | 3.5' | 60.0' |
| 17 | 230°38.3' | 74°37.0' | N 9°59.4' | 112°40.6' | 4.4' | N 21°46.9' | 3.7' | 60.1' |
| 18 | 245°40.8' | 89°37.2' | N 9°58.6' | 127°04.0' | 4.4' | N 21°43.2' | 3.8' | 60.1' |
| 19 | 260°43.3' | 104°37.3' | N 9°57.7' | 141°27.4' | 4.4' | N 21°39.4' | 4.0' | 60.1' |
| 20 | 275°45.7' | 119°37.5' | N 9°56.8' | 155°50.8' | 4.4' | N 21°35.4' | 4.2' | 60.2' |
| 21 | 290°48.2' | 134°37.7' | N 9°55.9' | 170°14.2' | 4.4' | N 21°31.2' | 4.3' | 60.2' |
| 22 | 305°50.6' | 149°37.9' | N 9°55.0' | 184°37.5' | 4.4' | N 21°26.9' | 4.5' | 60.2' |
| 23 | 320°53.1' | 164°38.1' | N 9°54.2' | 199°00.9' | 4.4' | N 21°22.4' | 4.6' | 60.3' |

Wed Aug 28, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|-----------|------------|------|------------|------|-------|
| | GHA | d = 0.9' SD = 15.8' | | SD = 16.5' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 335°55.6' | 179°38.2' | N 9°53.3' | 213°24.3' | 4.4' | N 21°17.8' | 4.8' | 60.3' |
| 1 | 350°58.0' | 194°38.4' | N 9°52.4' | 227°47.6' | 4.4' | N 21°13.0' | 4.9' | 60.3' |
| 2 | 6°00.5' | 209°38.6' | N 9°51.5' | 242°11.0' | 4.4' | N 21°08.1' | 5.1' | 60.4' |
| 3 | 21°03.0' | 224°38.8' | N 9°50.7' | 256°34.3' | 4.4' | N 21°03.0' | 5.2' | 60.4' |
| 4 | 36°05.4' | 239°39.0' | N 9°49.8' | 270°57.7' | 4.4' | N 20°57.8' | 5.4' | 60.4' |
| 5 | 51°07.9' | 254°39.2' | N 9°48.9' | 285°21.1' | 4.4' | N 20°52.4' | 5.6' | 60.5' |
| 6 | 66°10.4' | 269°39.3' | N 9°48.0' | 299°44.4' | 4.4' | N 20°46.8' | 5.7' | 60.5' |
| 7 | 81°12.8' | 284°39.5' | N 9°47.1' | 314°07.8' | 4.4' | N 20°41.1' | 5.9' | 60.5' |
| 8 | 96°15.3' | 299°39.7' | N 9°46.2' | 328°31.2' | 4.4' | N 20°35.3' | 6.0' | 60.6' |
| 9 | 111°17.8' | 314°39.9' | N 9°45.4' | 342°54.6' | 4.4' | N 20°29.2' | 6.2' | 60.6' |
| 10 | 126°20.2' | 329°40.1' | N 9°44.5' | 357°18.0' | 4.4' | N 20°23.1' | 6.3' | 60.6' |
| 11 | 141°22.7' | 344°40.2' | N 9°43.6' | 11°41.4' | 4.4' | N 20°16.8' | 6.5' | 60.6' |
| 12 | 156°25.1' | 359°40.4' | N 9°42.7' | 26°04.9' | 4.5' | N 20°10.3' | 6.6' | 60.7' |
| 13 | 171°27.6' | 14°40.6' | N 9°41.8' | 40°28.3' | 4.5' | N 20°03.7' | 6.8' | 60.7' |
| 14 | 186°30.1' | 29°40.8' | N 9°41.0' | 54°51.8' | 4.5' | N 19°56.9' | 6.9' | 60.7' |
| 15 | 201°32.5' | 44°41.0' | N 9°40.1' | 69°15.3' | 4.5' | N 19°50.0' | 7.1' | 60.7' |
| 16 | 216°35.0' | 59°41.2' | N 9°39.2' | 83°38.8' | 4.5' | N 19°43.0' | 7.2' | 60.8' |
| 17 | 231°37.5' | 74°41.3' | N 9°38.3' | 98°02.4' | 4.6' | N 19°35.7' | 7.4' | 60.8' |
| 18 | 246°39.9' | 89°41.5' | N 9°37.4' | 112°25.9' | 4.6' | N 19°28.4' | 7.5' | 60.8' |
| 19 | 261°42.4' | 104°41.7' | N 9°36.5' | 126°49.5' | 4.6' | N 19°20.9' | 7.6' | 60.8' |
| 20 | 276°44.9' | 119°41.9' | N 9°35.7' | 141°13.1' | 4.6' | N 19°13.2' | 7.8' | 60.9' |
| 21 | 291°47.3' | 134°42.1' | N 9°34.8' | 155°36.8' | 4.7' | N 19°05.5' | 7.9' | 60.9' |
| 22 | 306°49.8' | 149°42.3' | N 9°33.9' | 170°00.5' | 4.7' | N 18°57.5' | 8.1' | 60.9' |
| 23 | 321°52.3' | 164°42.5' | N 9°33.0' | 184°24.2' | 4.7' | N 18°49.5' | 8.2' | 60.9' |

Thu Aug 29, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|-----------|------------|------|------------|-------|-------|
| | GHA | d = 0.9' SD = 15.8' | | SD = 16.7' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 336°54.7' | 179°42.6' | N 9°32.1' | 198°47.9' | 4.8' | N 18°41.3' | 8.3' | 61.0' |
| 1 | 351°57.2' | 194°42.8' | N 9°31.2' | 213°11.7' | 4.8' | N 18°32.9' | 8.5' | 61.0' |
| 2 | 6°59.6' | 209°43.0' | N 9°30.3' | 227°35.5' | 4.8' | N 18°24.4' | 8.6' | 61.0' |
| 3 | 22°02.1' | 224°43.2' | N 9°29.5' | 241°59.3' | 4.9' | N 18°15.8' | 8.8' | 61.0' |
| 4 | 37°04.6' | 239°43.4' | N 9°28.6' | 256°23.2' | 4.9' | N 18°07.0' | 8.9' | 61.0' |
| 5 | 52°07.0' | 254°43.6' | N 9°27.7' | 270°47.1' | 5.0' | N 17°58.2' | 9.0' | 61.1' |
| 6 | 67°09.5' | 269°43.8' | N 9°26.8' | 285°11.1' | 5.0' | N 17°49.1' | 9.2' | 61.1' |
| 7 | 82°12.0' | 284°43.9' | N 9°25.9' | 299°35.1' | 5.0' | N 17°40.0' | 9.3' | 61.1' |
| 8 | 97°14.4' | 299°44.1' | N 9°25.0' | 313°59.1' | 5.1' | N 17°30.7' | 9.4' | 61.1' |
| 9 | 112°16.9' | 314°44.3' | N 9°24.1' | 328°23.2' | 5.1' | N 17°21.3' | 9.5' | 61.1' |
| 10 | 127°19.4' | 329°44.5' | N 9°23.2' | 342°47.3' | 5.2' | N 17°11.7' | 9.7' | 61.1' |
| 11 | 142°21.8' | 344°44.7' | N 9°22.4' | 357°11.5' | 5.2' | N 17°02.0' | 9.8' | 61.2' |
| 12 | 157°24.3' | 359°44.9' | N 9°21.5' | 11°35.7' | 5.3' | N 16°52.3' | 9.9' | 61.2' |
| 13 | 172°26.7' | 14°45.1' | N 9°20.6' | 25°60.0' | 5.3' | N 16°42.3' | 10.0' | 61.2' |
| 14 | 187°29.2' | 29°45.2' | N 9°19.7' | 40°24.3' | 5.4' | N 16°32.3' | 10.2' | 61.2' |
| 15 | 202°31.7' | 44°45.4' | N 9°18.8' | 54°48.6' | 5.4' | N 16°22.1' | 10.3' | 61.2' |
| 16 | 217°34.1' | 59°45.6' | N 9°17.9' | 69°13.0' | 5.4' | N 16°11.8' | 10.4' | 61.2' |
| 17 | 232°36.6' | 74°45.8' | N 9°17.0' | 83°37.5' | 5.5' | N 16°01.4' | 10.5' | 61.2' |
| 18 | 247°39.1' | 89°46.0' | N 9°16.1' | 98°02.0' | 5.5' | N 15°50.9' | 10.6' | 61.3' |
| 19 | 262°41.5' | 104°46.2' | N 9°15.2' | 112°26.5' | 5.6' | N 15°40.3' | 10.7' | 61.3' |
| 20 | 277°44.0' | 119°46.4' | N 9°14.3' | 126°51.1' | 5.6' | N 15°29.5' | 10.9' | 61.3' |
| 21 | 292°46.5' | 134°46.6' | N 9°13.5' | 141°15.7' | 5.7' | N 15°18.7' | 11.0' | 61.3' |
| 22 | 307°48.9' | 149°46.8' | N 9°12.6' | 155°40.4' | 5.8' | N 15°07.7' | 11.1' | 61.3' |
| 23 | 322°51.4' | 164°46.9' | N 9°11.7' | 170°05.2' | 5.8' | N 14°56.6' | 11.2' | 61.3' |

Fri Aug 30, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|-----------|------------|------|------------|-------|-------|
| | GHA | d = 0.9' SD = 15.8' | | SD = 16.7' | | | | |
| | GHA | GHA | dec | GHA | v | dec | d | HP |
| 0 | 337°53.9' | 179°47.1' | N 9°10.8' | 184°30.0' | 5.9' | N 14°45.5' | 11.3' | 61.3' |
| 1 | 352°56.3' | 194°47.3' | N 9°09.9' | 198°54.9' | 5.9' | N 14°34.2' | 11.4' | 61.3' |
| 2 | 7°58.8' | 209°47.5' | N 9°09.0' | 213°19.8' | 6.0' | N 14°22.8' | 11.5' | 61.3' |
| 3 | 23°01.2' | 224°47.7' | N 9°08.1' | 227°44.7' | 6.0' | N 14°11.3' | 11.6' | 61.3' |
| 4 | 38°03.7' | 239°47.9' | N 9°07.2' | 242°09.8' | 6.1' | N 13°59.7' | 11.7' | 61.4' |
| 5 | 53°06.2' | 254°48.1' | N 9°06.3' | 256°34.8' | 6.1' | N 13°48.0' | 11.8' | 61.4' |
| 6 | 68°08.6' | 269°48.3' | N 9°05.4' | 270°60.0' | 6.2' | N 13°36.2' | 11.9' | 61.4' |
| 7 | 83°11.1' | 284°48.5' | N 9°04.5' | 285°25.1' | 6.2' | N 13°24.3' | 12.0' | 61.4' |
| 8 | 98°13.6' | 299°48.6' | N 9°03.6' | 299°50.4' | 6.3' | N 13°12.3' | 12.1' | 61.4' |
| 9 | 113°16.0' | 314°48.8' | N 9°02.7' | 314°15.7' | 6.3' | N 13°00.3' | 12.2' | 61.4' |
| 10 | 128°18.5' | 329°49.0' | N 9°01.9' | 328°41.0' | 6.4' | N 12°48.1' | 12.2' | 61.4' |
| 11 | 143°21.0' | 344°49.2' | N 9°01.0' | 343°06.4' | 6.5' | N 12°35.8' | 12.3' | 61.4' |
| 12 | 158°23.4' | 359°49.4' | N 9°00.1' | 357°31.9' | 6.5' | N 12°23.5' | 12.4' | 61.4' |
| 13 | 173°25.9' | 14°49.6' | N 8°59.2' | 11°57.4' | 6.6' | N 12°11.1' | 12.5' | 61.4' |
| 14 | 188°28.3' | 29°49.8' | N 8°58.3' | 26°23.0' | 6.6' | N 11°58.6' | 12.6' | 61.4' |
| 15 | 203°30.8' | 44°50.0' | N 8°57.4' | 40°48.6' | 6.7' | N 11°46.0' | 12.7' | 61.4' |
| 16 | 218°33.3' | 59°50.2' | N 8°56.5' | 55°14.3' | 6.7' | N 11°33.3' | 12.7' | 61.4' |
| 17 | 233°35.7' | 74°50.4' | N 8°55.6' | 69°40.0' | 6.8' | N 11°20.6' | 12.8' | 61.4' |
| 18 | 248°38.2' | 89°50.6' | N 8°54.7' | 84°05.8' | 6.9' | N 11°07.8' | 12.9' | 61.4' |
| 19 | 263°40.7' | 104°50.7' | N 8°53.8' | 98°31.7' | 6.9' | N 10°54.9' | 13.0' | 61.4' |
| 20 | 278°43.1' | 119°50.9' | N 8°52.9' | 112°57.6' | 7.0' | N 10°41.9' | 13.0' | 61.4' |
| 21 | 293°45.6' | 134°51.1' | N 8°52.0' | 127°23.5' | 7.0' | N 10°28.9' | 13.1' | 61.4' |
| 22 | 308°48.1' | 149°51.3' | N 8°51.1' | 141°49.6' | 7.1' | N 10°15.8' | 13.2' | 61.4' |
| 23 | 323°50.5' | 164°51.5' | N 8°50.2' | 156°15.6' | 7.1' | N 10°02.6' | 13.2' | 61.4' |

Sat Aug 31, 2019 UTC

| UTC | Aries | Sun | | Moon | | | | |
|-----|-----------|---------------------|-----------|-----------|------|------------|-------|-------|
| | GHA | d = 0.9' SD = 15.8' | | GHA | v | SD = 16.7' | d | HP |
| | | GHA | dec | | | dec | | |
| 0 | 338°53.0' | 179°51.7' | N 8°49.3' | 170°41.8' | 7.2' | N 9°49.4' | 13.3' | 61.4' |
| 1 | 353°55.5' | 194°51.9' | N 8°48.4' | 185°07.9' | 7.2' | N 9°36.1' | 13.4' | 61.4' |
| 2 | 8°57.9' | 209°52.1' | N 8°47.5' | 199°34.2' | 7.3' | N 9°22.7' | 13.4' | 61.4' |
| 3 | 24°00.4' | 224°52.3' | N 8°46.6' | 214°00.5' | 7.3' | N 9°09.3' | 13.5' | 61.3' |
| 4 | 39°02.8' | 239°52.5' | N 8°45.7' | 228°26.8' | 7.4' | N 8°55.9' | 13.5' | 61.3' |
| 5 | 54°05.3' | 254°52.7' | N 8°44.8' | 242°53.2' | 7.5' | N 8°42.3' | 13.6' | 61.3' |
| 6 | 69°07.8' | 269°52.9' | N 8°43.9' | 257°19.7' | 7.5' | N 8°28.8' | 13.6' | 61.3' |
| 7 | 84°10.2' | 284°53.1' | N 8°43.0' | 271°46.2' | 7.6' | N 8°15.1' | 13.7' | 61.3' |
| 8 | 99°12.7' | 299°53.2' | N 8°42.1' | 286°12.7' | 7.6' | N 8°01.5' | 13.7' | 61.3' |
| 9 | 114°15.2' | 314°53.4' | N 8°41.2' | 300°39.4' | 7.7' | N 7°47.7' | 13.8' | 61.3' |
| 10 | 129°17.6' | 329°53.6' | N 8°40.3' | 315°06.0' | 7.7' | N 7°34.0' | 13.8' | 61.3' |
| 11 | 144°20.1' | 344°53.8' | N 8°39.4' | 329°32.7' | 7.8' | N 7°20.1' | 13.9' | 61.3' |
| 12 | 159°22.6' | 359°54.0' | N 8°38.5' | 343°59.5' | 7.8' | N 7°06.3' | 13.9' | 61.3' |
| 13 | 174°25.0' | 14°54.2' | N 8°37.6' | 358°26.3' | 7.9' | N 6°52.4' | 13.9' | 61.2' |
| 14 | 189°27.5' | 29°54.4' | N 8°36.7' | 12°53.2' | 7.9' | N 6°38.5' | 14.0' | 61.2' |
| 15 | 204°30.0' | 44°54.6' | N 8°35.8' | 27°20.1' | 8.0' | N 6°24.5' | 14.0' | 61.2' |
| 16 | 219°32.4' | 59°54.8' | N 8°34.9' | 41°47.1' | 8.0' | N 6°10.5' | 14.0' | 61.2' |
| 17 | 234°34.9' | 74°55.0' | N 8°34.0' | 56°14.1' | 8.1' | N 5°56.4' | 14.1' | 61.2' |
| 18 | 249°37.3' | 89°55.2' | N 8°33.1' | 70°41.2' | 8.1' | N 5°42.4' | 14.1' | 61.2' |
| 19 | 264°39.8' | 104°55.4' | N 8°32.2' | 85°08.3' | 8.2' | N 5°28.3' | 14.1' | 61.2' |
| 20 | 279°42.3' | 119°55.6' | N 8°31.3' | 99°35.4' | 8.2' | N 5°14.2' | 14.2' | 61.1' |
| 21 | 294°44.7' | 134°55.8' | N 8°30.4' | 114°02.7' | 8.3' | N 5°00.0' | 14.2' | 61.1' |
| 22 | 309°47.2' | 149°56.0' | N 8°29.5' | 128°29.9' | 8.3' | N 4°45.8' | 14.2' | 61.1' |
| 23 | 324°49.7' | 164°56.2' | N 8°28.6' | 142°57.2' | 8.3' | N 4°31.6' | 14.2' | 61.1' |