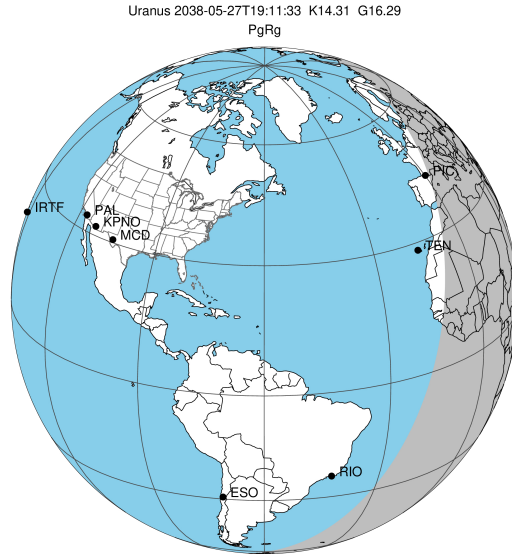


target : Uranus
 target radius (km) : 25559.00
 C/A epoch : 2038-05-27T19:11:33.100
 Event type : PgRg
 : Uranus occs: geocentric, not topocentric
 : Ring occs: geocentric, not topocentric
 Gaia source ID : 865639530250740736
 2Mass ID (if available) : 07313157+2215003

ICRS Star Coord at Epoch: 07h 31m 31.57597s +22:15:00.30006s

RUWE (>1.4 is poor) : 1.16
 K magnitude : 14.308
 G magnitude : 16.287
 RP magnitude : 15.654
 BP magnitude : 16.774
 DUPflag : 0
 Distance (au) : 19.384
 f0 (km) : 0.000
 g0 (km) : 0.000
 skyplane vel. (km/s) : 27.54
 Sun-Target sep (deg) : 45.02
 Sun-Moon sep (deg) : 113.41
 B (ring opening deg) : 55.66
 PA of pole (deg) : 84.41

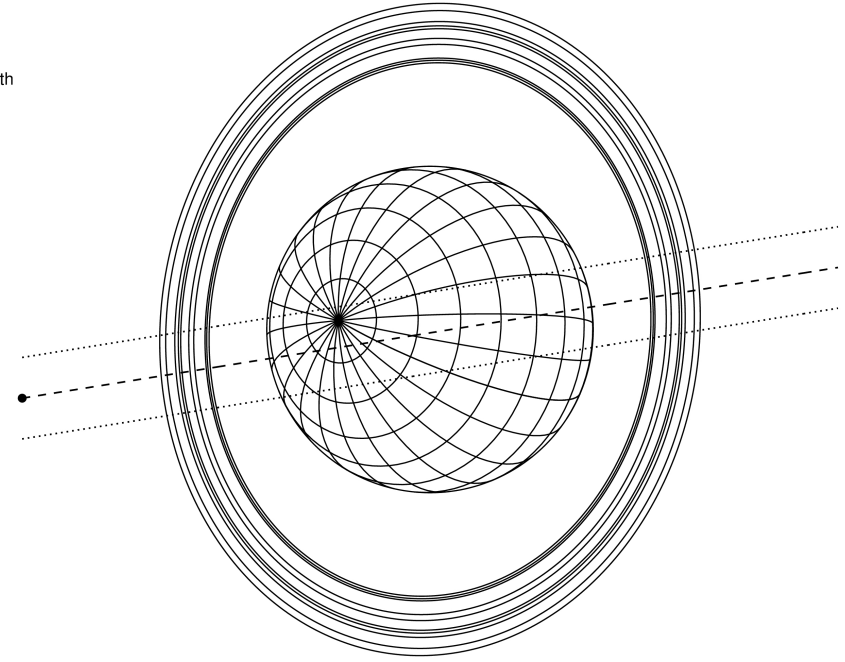
| # | a(km) | ring |
|----|---------|---------|
| 1 | 41837.2 | 6 |
| 2 | 42235.0 | 5 |
| 3 | 42571.2 | 4 |
| 4 | 44718.5 | alpha |
| 5 | 45661.1 | beta |
| 6 | 47176.1 | eta |
| 7 | 47626.3 | gamma |
| 8 | 48300.3 | delta |
| 9 | 50026.7 | lambda |
| 10 | 51149.4 | epsilon |



2038-05-27T19:11:33.1000 α: 07 31 31.5760 δ: +22 15 00.300 C/A 0.029° PA 9.09 deg v_sky +27.54 km/s D 19.38 AU
 Credit: Styled after SORA/Lucky Star

Uranus 2038-05-27T19:11:33 K14.31 G16.29 PgRg

Earth



Observable events with sun below -5 deg and altitude above 5 deg unblocked by planet

| Obs | Location | lat | Elon | Rings I | Planet | Rings E | Observed Events Interval | OEcode |
|------|-----------------------|-------|-------|---------|--------|---------|--------------------------|--------|
| PIC | Pic du Midi | 42.9 | 0.1 | | | | | PnnRnn |
| PAL | Palomar Mt (200") | 33.4 | 243.1 | | | | | PnnRnn |
| PMO | Purple Mtn Obs. Nanki | 32.1 | 118.8 | | | | | PnnRnn |
| KPNO | Kitt Peak Natl Obs | 32.0 | 248.4 | | | | | PnnRnn |
| MCD | McDonald Obs. 2.7m | 30.7 | 256.0 | | | | | PnnRnn |
| TEN | Teide Obs./Tenerife | 28.3 | 343.5 | | | | | PnnRnn |
| IRTF | Mauna Kea/IRTF | 19.8 | 204.5 | | | | | PnnRnn |
| KAV | Kavalur Observatory | 12.6 | 78.8 | | | | | PnnRnn |
| RIO | Rio de Janeiro | -22.9 | 316.8 | | | | | PnnRnn |
| ESO | European Southern Obs | -29.3 | 289.3 | | | | | PnnRnn |
| AAT | Siding Spring (AAT) | -31.3 | 149.1 | | | | | PnnRnn |
| SAAO | So. Afr. Astro. Obs. | -32.4 | 20.8 | | | | | PnnRnn |
| MSO | Mt. Stromlo Observato | -35.3 | 149.0 | | | | | PnnRnn |

