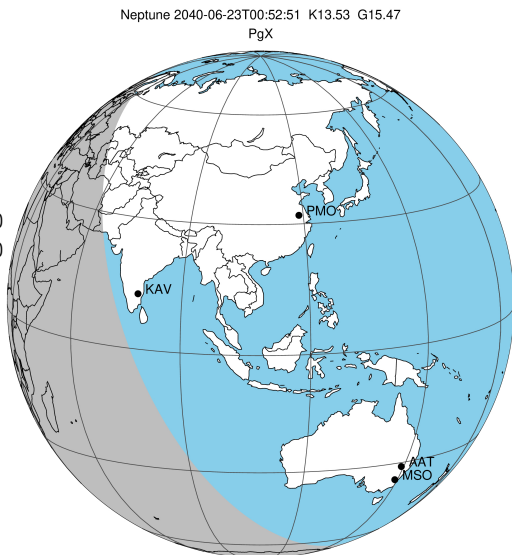


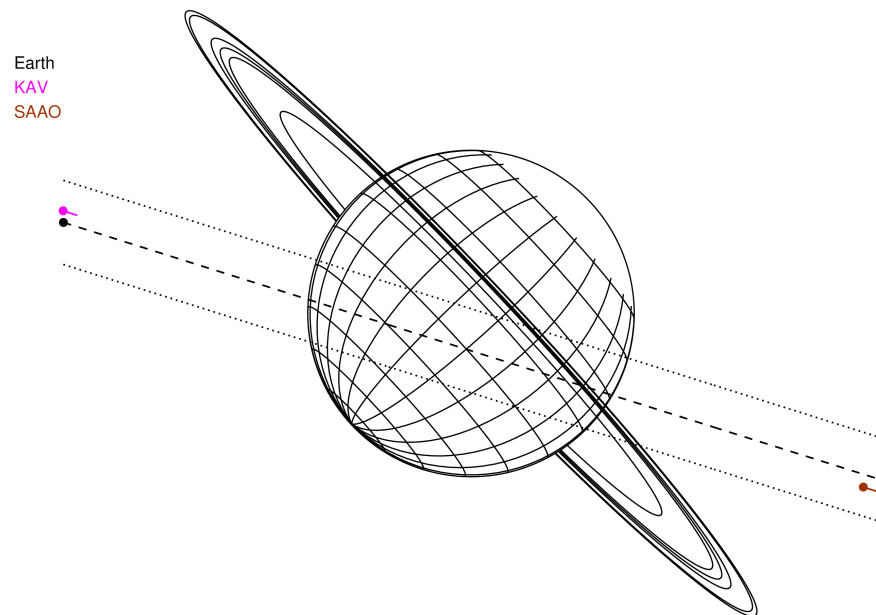
target : Neptune
 target radius (km) : 24764.00
 C/A epoch : 2040-06-23T00:52:51.960
 Event type : PgX
 : Neptune occs: geocentric, not topocentric
 : No ring occs
 Gaia source ID : 73325129081994880
 2Mass ID (if available) : 02121412+1128588

Neptune 2040-06-23T00:52:51 K13.53 G15.47 PgX

ICRS Star Coord at Epoch: 02h 12m 14.17403s +11:28:58.90312s
 RUWE (>1.4 is poor) : 1.08
 K magnitude : 13.531
 G magnitude : 15.465
 RP magnitude : 14.806
 BP magnitude : 15.961
 DUPflag : 0
 Distance (au) : 30.353
 f0 (km) : 0.000
 g0 (km) : 0.000
 skyplane vel. (km/s) : 21.56
 Sun-Target sep (deg) : 56.91
 Sun-Moon sep (deg) : 147.87
 B (ring opening deg) : -5.30
 PA of pole (deg) : -47.17
 # a(km) ring



2040-06-23T00:52:51.9600 ex: 02 12 14.1740 8: +11 28 58.903 C/A 0.245° PA 342.53 deg v_sky +21.56 km/s D 30.35 AU
 Credit: Styled after SORA/Lucky Star



- 1 42000.0 Galle
- 2 53200.0 LeVerrier
- 3 55200.0 Lassell
- 4 57200.0 Arago
- 5 61953.0 Galatea
- 6 62933.0 Adams

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 |

