

target : Titan
 target radius (km) : 2575.15
 C/A epoch : 2046-10-24T17:23:27.480
 Event type : P
 : Titan occs: not geocentric or topocentric
 : Not a ringed target
 Gaia source ID : 4115419830327858432
 2Mass ID (if available) : 17130692-2148145

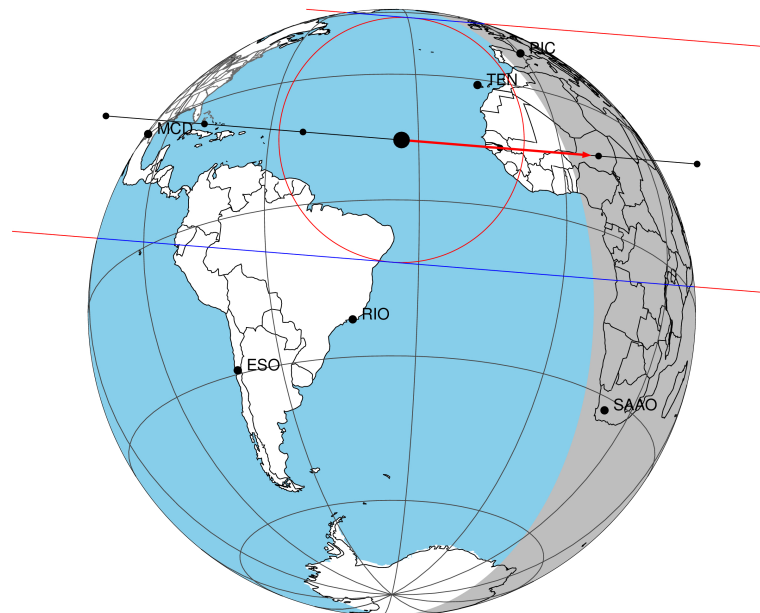
ICRS Star Coord at Epoch: 17h 13m 06.92342s -21:48:14.61606s
 RUWE (>1.4 is poor) : 1.06
 K magnitude : 13.871
 G magnitude : 16.323
 RP magnitude : 15.495
 BP magnitude : 16.926
 DUPflag : 0
 Distance (au) : 10.681
 f0 (km) : 0.00
 g0 (km) : 0.00
 skyplane vel. (km/s) : 34.59
 Sun-Target sep (deg) : 48.32
 Sun-Moon sep (deg) : 114.26
 B (ring opening deg) : 26.86
 PA of pole (deg) : 4.61
 Pole direction: RA (deg): 39.48270
 Dec (deg): 83.42790
 C/A sky separation (") : 0.469
 C/A sky separation (km) : 3636.0
 NAIF SPICE kernels : RAJobs_U111+rgf16.spk

URKALLv1.spk
 naif0012.tls
 nep097.bsp
 nep101.bsp
 sat4401.bsp

Observable events with sun below -5 deg and altitude above 5 deg

| Obs | Location | lat | Elon | Target | Observed Events | Interval | OEcode |
|------|-----------------------------------|-------|-------|--------|-----------------|----------|--------|
| PIC | Pic du Midi | 42.9 | 0.1 | | | | Pnn |
| PAL | Palomar Mt (200") | 33.4 | 243.1 | | | | Pnn |
| PMO | Purple Mtn Obs. Nanking | 32.1 | 118.8 | | | | Pnn |
| KPNO | Kitt Peak Natl Obs | 32.0 | 248.4 | | | | Pnn |
| MCD | McDonald Obs. 2.7m | 30.7 | 256.0 | | | | Pnn |
| TEN | Teide Obs./Tenerife | 28.3 | 343.5 | | | | Pnn |
| IRTF | Mauna Kea/IRTF | 19.8 | 204.5 | | | | Pnn |
| KAV | Kavalur Observatory | 12.6 | 78.8 | | | | Pnn |
| RIO | Rio de Janeiro | -22.9 | 316.8 | | | | Pnn |
| ESO | European Southern Obs. (3.6m) | -29.3 | 289.3 | | | | Pnn |
| AAT | Siding Spring (AAT) | -31.3 | 149.1 | | | | Pnn |
| SAAO | So. Afr. Astro. Obs. (Sutherland) | -32.4 | 20.8 | | | | Pnn |
| MSO | Mt. Stromlo Observatory | -35.3 | 149.0 | | | | Pnn |

Titan 2046-10-24T17:23:27 K13.87 G16.32 dots 60.0 sec
 P



2046-10-24T17:23:27.4800 α: 17 13 06.9234 δ: -21 48 14.616 C/A 0.469" PA 4.65 deg v_sky +34.59 km/s D 10.68 AU

Credit: Styled after SORA/Lucky Star

4115419830327858432

