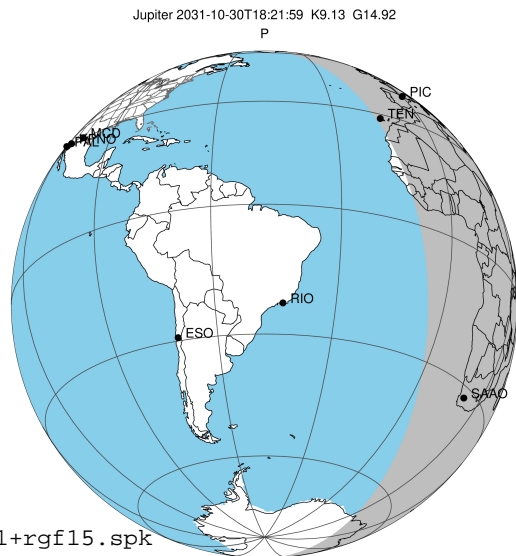


target : Jupiter
 target radius (km) : 71492.00
 C/A epoch : 2031-10-30T18:21:59.970
 Event type : P
 : Jupiter occs: not geocentric or topocentric
 : Not a ringed target
 Gaia source ID : 4068806348432518656
 2Mass ID (if available) : 17444440-2316159

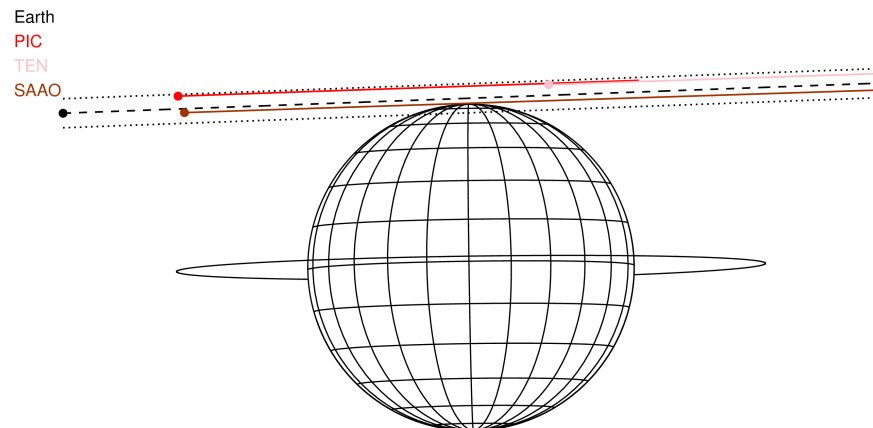
Jupiter 2031-10-30T18:21:59 K9.13 G14.92 P

ICRS Star Coord at Epoch: 17h 44m 44.41013s -23:16:16.34974s

RUWE (>1.4 is poor) : 0.92
 K magnitude : 9.132
 G magnitude : 14.924
 RP magnitude : 13.466
 BP magnitude : 17.739
 DUPflag : 0
 Distance (au) : 5.818
 f0 (km) : 0.00
 g0 (km) : 0.00
 skyplane vel. (km/s) : 32.44
 Sun-Target sep (deg) : 49.81
 Sun-Moon sep (deg) : 135.63
 B (ring opening deg) : -2.22
 PA of pole (deg) : 0.81
 Pole direction: RA (deg): 268.05681
 Dec (deg): 64.49652
 C/A sky separation (") : 17.566
 C/A sky separation (km) : 74121.2
 NAIF SPICE kernels : RAJobs_U111+rgf15.spk



2031-10-30T18:21:59.9700 @: 17 44 44.41013 & -23 16 16.350 C/A ***** PA 182.11 deg v_sky +32.44 km/s D 05.82 AU
 Credit: Styled after SORA/Lucky Star



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

| Obs | Location | lat | Elon | Target | Observed Events Interval | OCode |
|------|-----------------------------------|-------|-------|--------|--------------------------|-------|
| 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 |

