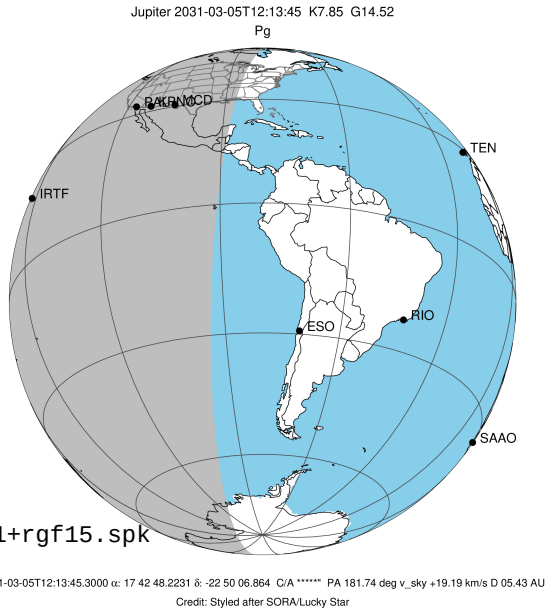
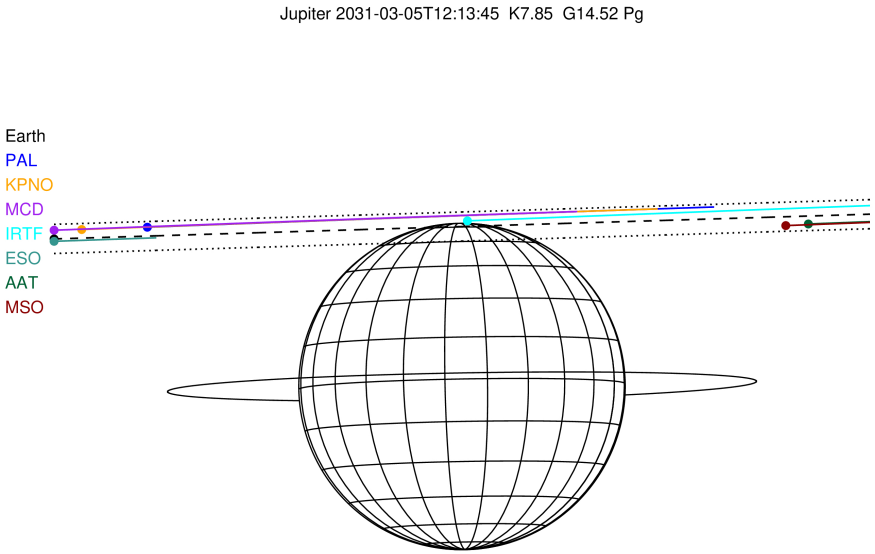
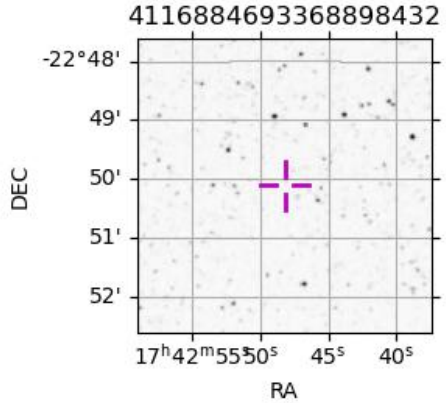
Stellar occultation prediction by rfrench@wellesley.edu Sun Jun 25 08:28:32 2023

target : Jupiter
target radius (km) : 71492.00
C/A epoch : 2031-03-05T12:13:45.300
Event type : Pg
: Jupiter occs: geocentric, not topocentric
: Not a ringed target
Gaia source ID : 4116884693368898432
2Mass ID (if available) : 17424823-2250065

ICRS Star Coord at Epoch: 17h 42m 48.22313s -22:50:06.86357s
RUWE (>1.4 is poor) : 1.03
K magnitude : 7.849
G magnitude : 14.517
RP magnitude : 12.932
BP magnitude : 18.235
DUPflag : 0
Distance (au) : 5.427
f0 (km) : 0.00
g0 (km) : 0.00
skyplane vel. (km/s) : 19.19
Sun-Target sep (deg) : 78.25
Sun-Moon sep (deg) : 144.32
B (ring opening deg) : -2.65
PA of pole (deg) : 1.02
Pole direction: RA (deg): 268.05701
Dec (deg): 64.49651
C/A sky separation (") : 17.796
C/A sky separation (km) : 70041.3
NAIF SPICE kernels : RAJobs_U111+rgf15.spk
URKALLv1.spk
naif0012.tls
nep097.bsp
nep101.bsp
sat440l.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 |