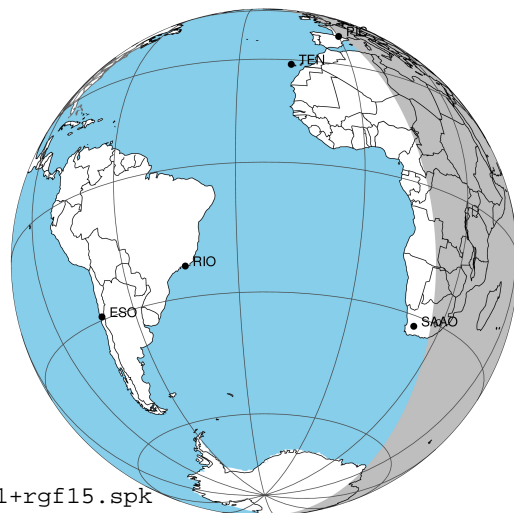


target : Jupiter
 target radius (km) : 71492.00
 C/A epoch : 2031-11-02T16:35:26.480
 Event type : Pg
 : Jupiter occs: geocentric, not topocentric
 : Not a ringed target
 Gaia source ID : 4068776794735952128
 2Mass ID (if available) : 17470699-2317400

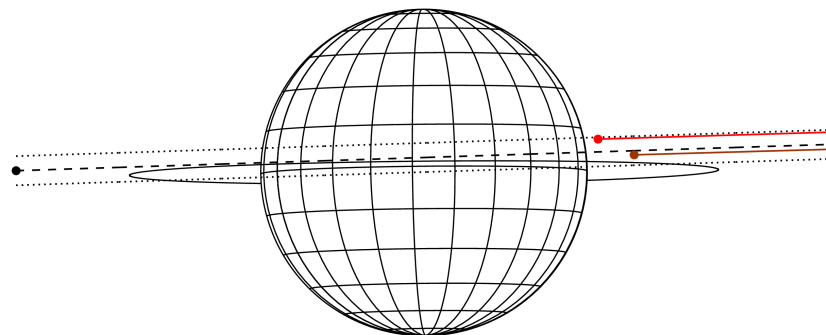
Jupiter 2031-11-02T16:35:26 K7.95 G12.66 Pg

ICRS Star Coord at Epoch: 17h 47m 06.98469s -23:17:40.29794s
 RUWE (>1.4 is poor) : 0.92
 K magnitude : 7.951
 G magnitude : 12.660
 RP magnitude : 11.447
 BP magnitude : 14.281
 DUPflag : 0
 Distance (au) : 5.851
 f0 (km) : 0.00
 g0 (km) : 0.00
 skyplane vel. (km/s) : 33.38
 Sun-Target sep (deg) : 47.43
 Sun-Moon sep (deg) : 171.67
 B (ring opening deg) : -2.20
 PA of pole (deg) : 0.55
 Pole direction: RA (deg): 268.05680
 Dec (deg): 64.49652
 C/A sky separation (") : 1.546
 C/A sky separation (km) : 6559.9
 NAIF SPICE kernels : RAJobs_U111+rgf15.spk
 URKALLv1.spk
 naif0012.tls
 nep097.bsp
 nep101.bsp
 sat4401.bsp



2031-11-02T16:35:26.4800 ex: 17 47 06.9847 s: -23 17 40.298 C/A 1.538" PA 181.86 deg v_sky +33.38 km/s D 05.85 AU
 Credit: Styled after SORA/Lucky Star

Earth
 PIC
 SAAO



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

Obs	Location	lat	Elon	Target	Observed Events Interval	OEncode
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

