

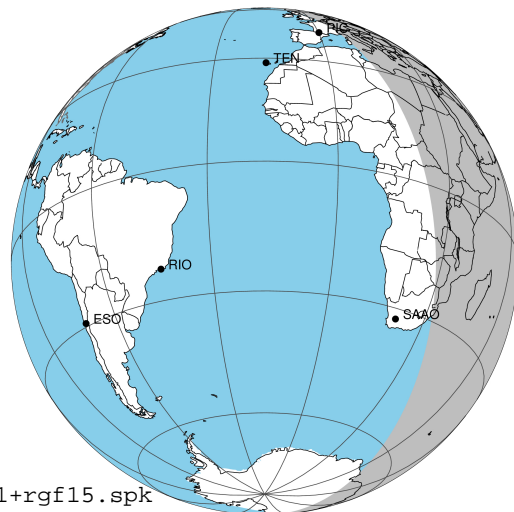
target : Jupiter  
 target radius (km) : 71492.00  
 C/A epoch : 2031-11-02T16:09:32.550  
 Event type : Pg  
 : Jupiter occs: geocentric, not topocentric  
 : Not a ringed target  
 Gaia source ID : 4068776799109082880  
 2Mass ID (if available) : 17470609-2317447

Jupiter 2031-11-02T16:09:32 K8.58 G14.65 Pg

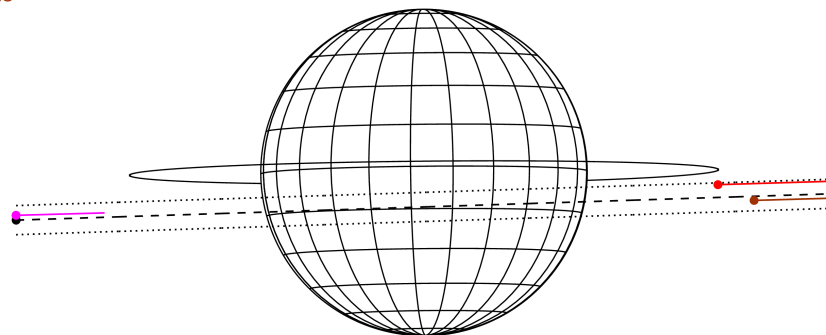
ICRS Star Coord at Epoch: 17h 47m 06.08607s -23:17:44.99994s

RUWE (>1.4 is poor) : 1.14  
 K magnitude : 8.583  
 G magnitude : 14.646  
 RP magnitude : 13.137  
 BP magnitude : 17.446  
 DUPflag : 0  
 Distance (au) : 5.851  
 f0 (km) : 0.00  
 g0 (km) : 0.00  
 skyplane vel. (km/s) : 33.37  
 Sun-Target sep (deg) : 47.45  
 Sun-Moon sep (deg) : 171.47  
 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 (") : 3.554  
 C/A sky separation (km) : 15081.0  
 NAIF SPICE kernels : RAJobs\_U111+rgf15.spk

Jupiter 2031-11-02T16:09:32 K8.58 G14.65  
 Pg



Earth  
 PIC  
 KAV  
 SAAO



2031-11-02T16:09:32.5500 az: 17 47 06.0861 & -23 17 45.000 C/A 3.562" PA 1.85 deg v\_sky +33.37 km/s D 05.85 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

