

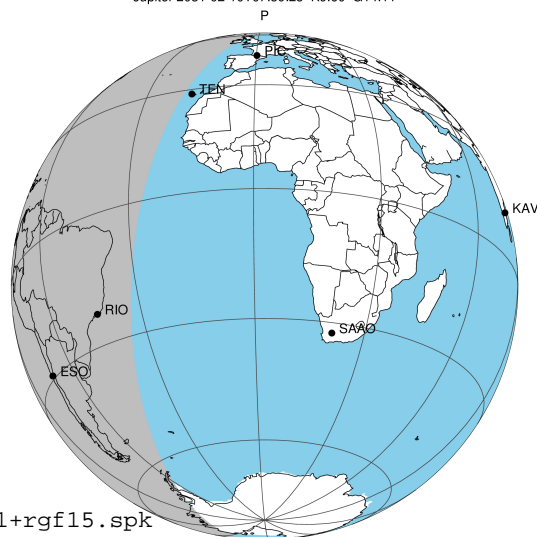
target : Jupiter  
 target radius (km) : 71492.00  
 C/A epoch : 2031-02-10T07:59:25.910  
 Event type : P  
 : Jupiter occs: not geocentric or topocentric  
 : Not a ringed target  
 Gaia source ID : 4111691528174435712  
 2Mass ID (if available) : 17282952-2242089

Jupiter 2031-02-10T07:59:25 K9.60 G14.11 P

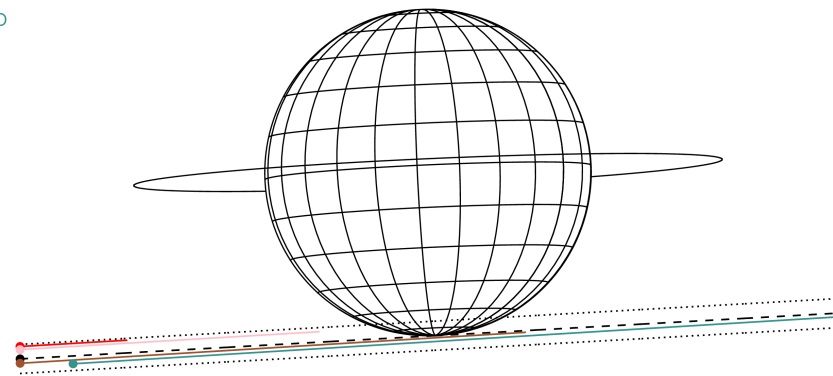
ICRS Star Coord at Epoch: 17h 28m 29.52181s -22:42:09.11051s

RUWE (>1.4 is poor) : 1.05  
 K magnitude : 9.600  
 G magnitude : 14.114  
 RP magnitude : 12.948  
 BP magnitude : 15.574  
 DUPflag : 0  
 Distance (au) : 5.775  
 f0 (km) : 0.00  
 g0 (km) : 0.00  
 skyplane vel. (km/s) : 28.84  
 Sun-Target sep (deg) : 58.21  
 Sun-Moon sep (deg) : 89.12  
 B (ring opening deg) : -2.68  
 PA of pole (deg) : 2.55  
 Pole direction: RA (deg): 268.05703  
 Dec (deg): 64.49651  
 C/A sky separation (") : 17.082  
 C/A sky separation (km) : 71545.3  
 NAIF SPICE kernels : RAJobs\_U111+rgf15.spk

Jupiter 2031-02-10T07:59:25 K9.60 G14.11



Earth  
 PIC  
 TEN  
 RIO  
 ESO



2031-02-10T07:59:25.9100 α: 17 28 29.5218 δ: -22 42 09.111 C/A \*\*\*\*\* PA 3.21 deg v\_sky +28.84 km/s D 05.77 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

