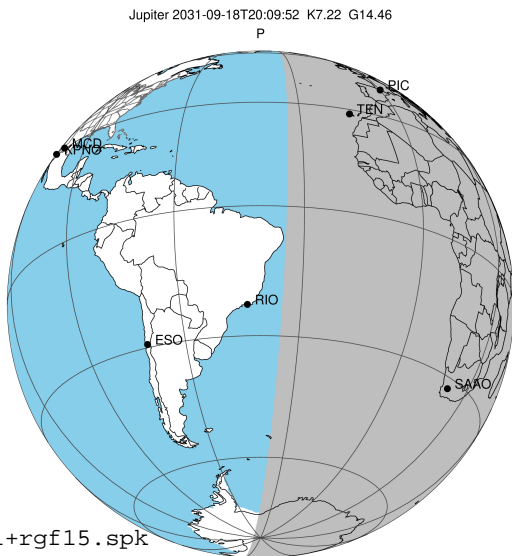


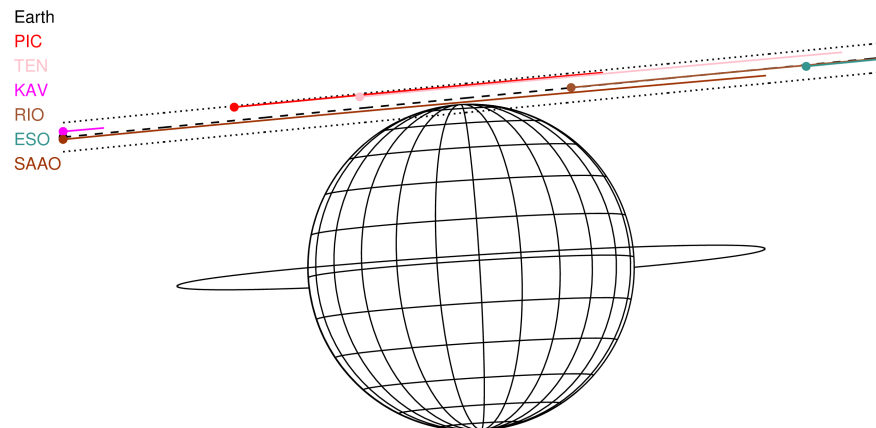
target : Jupiter  
 target radius (km) : 71492.00  
 C/A epoch : 2031-09-18T20:09:52.210  
 Event type : P  
 : Jupiter occs: not geocentric or topocentric  
 : Not a ringed target  
 Gaia source ID : 4114313313671558656  
 2Mass ID (if available) : 17181774-2252480

Jupiter 2031-09-18T20:09:52 K7.22 G14.46 P

ICRS Star Coord at Epoch: 17h 18m 17.73341s -22:52:48.05604s  
 RUWE (>1.4 is poor) : 0.99  
 K magnitude : 7.224  
 G magnitude : 14.456  
 RP magnitude : 12.835  
 BP magnitude : 18.595  
 DUPflag : 0  
 Distance (au) : 5.236  
 f0 (km) : 0.00  
 g0 (km) : 0.00  
 skyplane vel. (km/s) : 15.58  
 Sun-Target sep (deg) : 85.12  
 Sun-Moon sep (deg) : 60.73  
 B (ring opening deg) : -2.37  
 PA of pole (deg) : 3.64  
 Pole direction: RA (deg): 268.05684  
 Dec (deg): 64.49652  
 C/A sky separation (") : 19.517  
 C/A sky separation (km) : 74120.7  
 NAIF SPICE kernels : RAJobs\_U111+rgf15.spk



2031-09-18T20:09:52.2100 a: 17 18 17.7334 s: -22 52 48.056 C/A \*\*\*\*\* PA 185.55 deg v\_sky +15.58 km/s D 05.24 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

