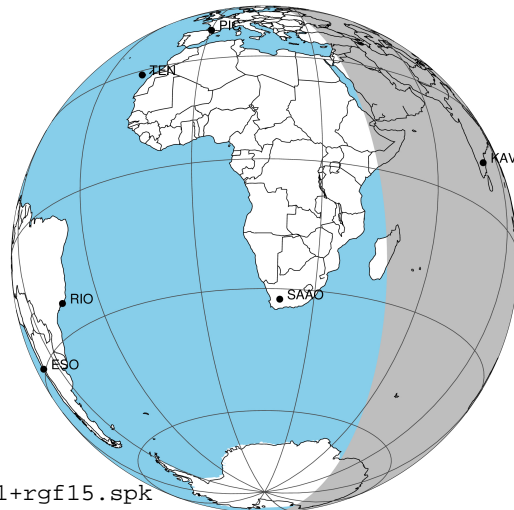


target : Jupiter  
 target radius (km) : 71492.00  
 C/A epoch : 2043-10-21T14:49:33.590  
 Event type : P  
 : Jupiter occs: not geocentric or topocentric  
 : Not a ringed target  
 Gaia source ID : 4068625066523454336  
 2Mass ID (if available) : 17534909-2323079

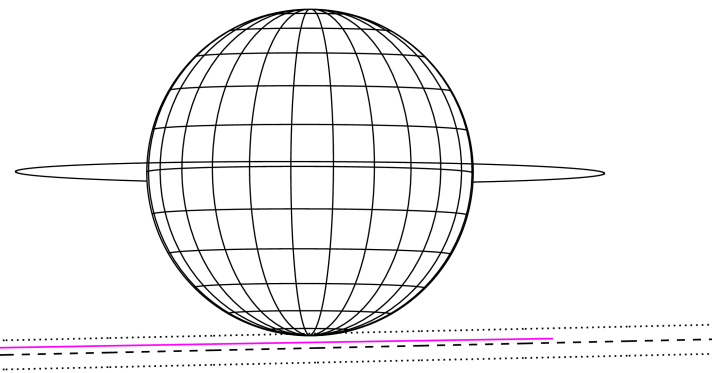
Jupiter 2043-10-21T14:49:33 K7.14 G13.47 P

ICRS Star Coord at Epoch: 17h 53m 49.08105s -23:23:08.25556s  
 RUWE (>1.4 is poor) : 0.97  
 K magnitude : 7.138  
 G magnitude : 13.474  
 RP magnitude : 11.976  
 BP magnitude : 16.742  
 DUPflag : 0  
 Distance (au) : 5.631  
 f0 (km) : 0.00  
 g0 (km) : 0.00  
 skyplane vel. (km/s) : 27.58  
 Sun-Target sep (deg) : 61.09  
 Sun-Moon sep (deg) : 161.80  
 B (ring opening deg) : -2.12  
 PA of pole (deg) : -0.17  
 Pole direction: RA (deg): 268.05675  
 Dec (deg): 64.49731  
 C/A sky separation (") : 18.837  
 C/A sky separation (km) : 76931.4  
 NAIF SPICE kernels : RAJobs\_U111+rgf15.spk



2043-10-21T14:49:33.5900 α: 17 53 49.0810 δ: -23 23 08.256 C/A \*\*\*\*\* PA 1.26 deg v\_sky +27.58 km/s D 05.63 AU  
 Credit: Styled after SORA/Lucky Star

Earth  
 KAV



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

