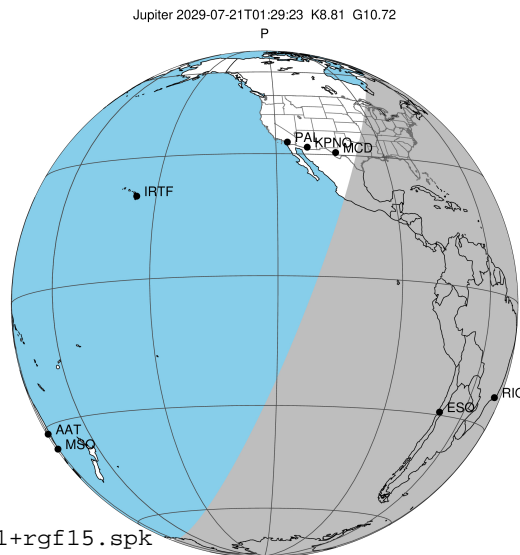


target : Jupiter
 target radius (km) : 71492.00
 C/A epoch : 2029-07-21T01:29:23.450
 Event type : P
 : Jupiter occs: not geocentric or topocentric
 : Not a ringed target
 Gaia source ID : 3628759392411512832
 2Mass ID (if available) : 13121387-0620071

Jupiter 2029-07-21T01:29:23 K8.81 G10.72 P

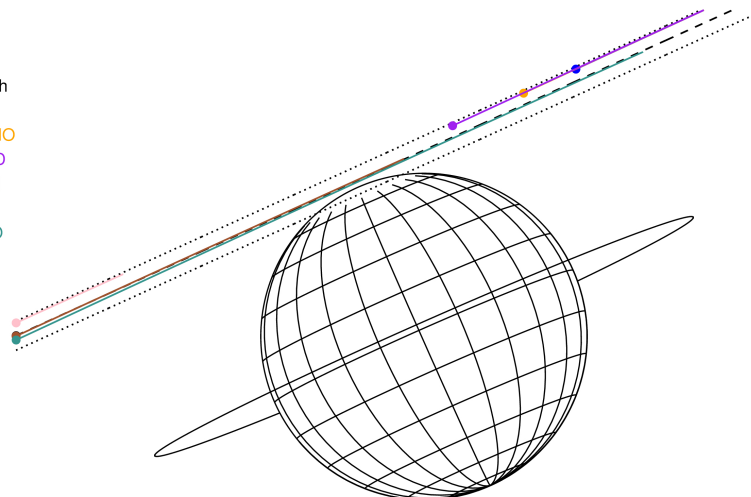
ICRS Star Coord at Epoch: 13h 12m 14.07723s -06:20:08.74707s

RUWE (>1.4 is poor) : 7.74
 K magnitude : 8.810
 G magnitude : 10.720
 RP magnitude : 10.098
 BP magnitude : 11.176
 DUPflag : 0
 Distance (au) : 5.512
 f0 (km) : 0.00
 g0 (km) : 0.00
 skyplane vel. (km/s) : 17.03
 Sun-Target sep (deg) : 80.88
 Sun-Moon sep (deg) : 41.91
 B (ring opening deg) : -2.68
 PA of pole (deg) : 23.89
 Pole direction: RA (deg): 268.05745
 Dec (deg): 64.49655
 C/A sky separation (") : 18.582
 C/A sky separation (km) : 74279.7
 NAIF SPICE kernels : RAJobs_U111+rgf15.spk



2029-07-21T01:29:23.4500 a: 13 12 14.0772 s: -06 20 08.747 C/A ***** PA 204.44 deg v_sky +17.03 km/s D 05.51 AU
 Credit: Styled after SORA/Lucky Star

Earth
 PAL
 KPNO
 MCD
 TEN
 RIO
 ESO



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

