

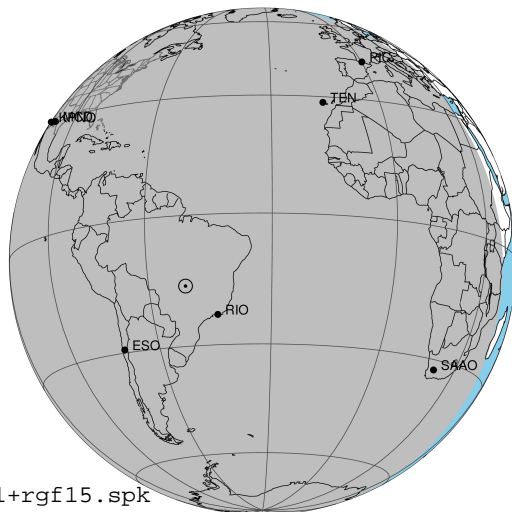
target : Jupiter
 target radius (km) : 71492.00
 C/A epoch : 2033-08-08T03:28:10.000
 Event type : Pgt
 : Jupiter occs: geocentric, topocentric
 : Not a ringed target
 Gaia source ID : 2602446578728545920
 2Mass ID (if available) : 22253539-1110331

Jupiter 2033-08-08T03:28:10 K8.06 G9.53 Pgt

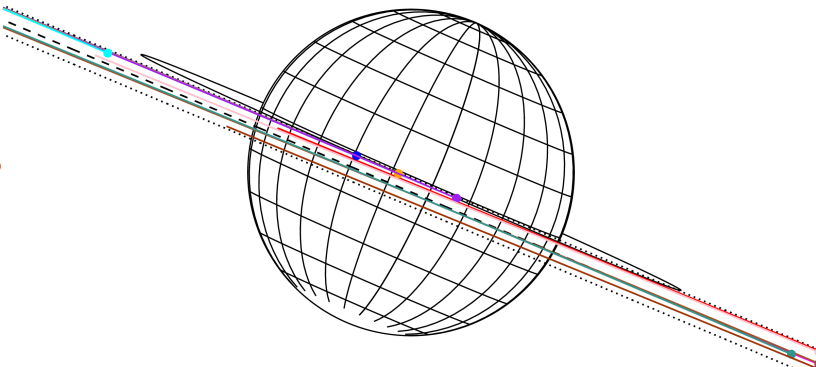
ICRS Star Coord at Epoch: 22h 25m 34.99354s -11:10:35.70079s

RUWE (>1.4 is poor) : 0.99
 K magnitude : 8.056
 G magnitude : 9.530
 RP magnitude : 9.017
 BP magnitude : 9.873
 DUPflag : 0
 Distance (au) : 4.046
 f0 (km) : 0.00
 g0 (km) : 0.00
 skyplane vel. (km/s) : -14.39
 Sun-Target sep (deg) : 161.37
 Sun-Moon sep (deg) : 53.41
 B (ring opening deg) : 1.09
 PA of pole (deg) : -23.59
 Pole direction: RA (deg): 268.05646
 Dec (deg): 64.49663
 C/A sky separation (") : 2.688
 C/A sky separation (km) : 7888.1
 NAIF SPICE kernels : RAJobs_U111+rgf15.spk

Jupiter 2033-08-08T03:28:10 K8.06 G9.53
 Pgt



Earth
 PIC
 PAL
 KPNO
 MCD
 TEN
 IRTF
 KAV
 RIO
 ESO
 SAAO



2033-08-08T03:28:10.0000 at: 22 25 34.9935 s -11 10 35.701 C/A 2.688 PA 337.12 deg v_sky -14.39 km/s D 04.05 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	+	AUG 08 02:02 - AUG 08 02:02	Pin
PAL	Palomar Mt (200")	33.4	243.1	+	AUG 08 04:54 - AUG 08 04:54	Pne
PMO	Purple Mtn Obs. Nanking	32.1	118.8			Pnn
KPNO	Kitt Peak Natl Obs	32.0	248.4	+	AUG 08 04:54 - AUG 08 04:54	Pne
MCD	McDonald Obs. 2.7m	30.7	256.0	+	AUG 08 04:53 - AUG 08 04:53	Pne
TEN	Teide Obs./Tenerife	28.3	343.5	+	AUG 08 02:04 - AUG 08 04:45	Pie
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	+	AUG 08 02:09 - AUG 08 04:49	Pie
ESO	European Southern Obs. (3.6m)	-29.3	289.3	+	AUG 08 02:12 - AUG 08 04:52	Pie
AAT	Siding Spring (AAT)	-31.3	149.1			Pnn
SAAO	So. Afr. Astro. Obs. (Sutherland)	-32.4	20.8	+	AUG 08 02:04 - AUG 08 04:45	Pie
MSO	Mt. Stromlo Observatory	-35.3	149.0			Pnn

