

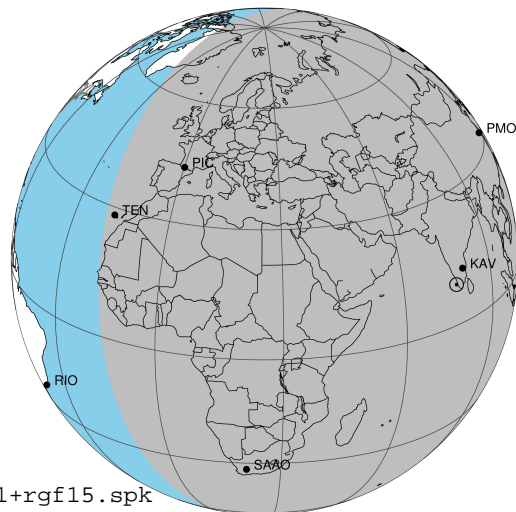
target : Jupiter
 target radius (km) : 71492.00
 C/A epoch : 2026-02-23T19:09:50.320
 Event type : Pgt
 : Jupiter occs: geocentric, topocentric
 : Not a ringed target
 Gaia source ID : 3368420563945646336
 2Mass ID (if available) : 07054278+2254437

Jupiter 2026-02-23T19:09:50 K8.07 G10.49 Pgt

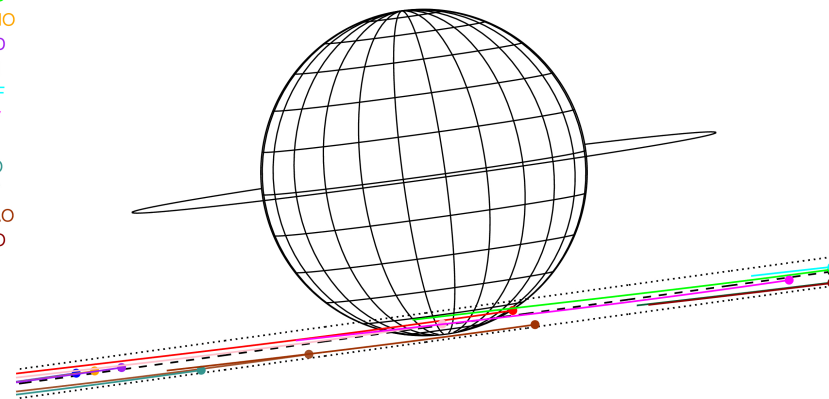
ICRS Star Coord at Epoch: 07h 05m 42.76145s +22:54:43.00199s

RUWE (>1.4 is poor) : 1.09
 K magnitude : 8.075
 G magnitude : 10.490
 RP magnitude : 9.760
 BP magnitude : 11.077
 DUPflag : 0
 Distance (au) : 4.537
 f0 (km) : 0.00
 g0 (km) : 0.00
 skyplane vel. (km/s) : -6.83
 Sun-Target sep (deg) : 130.28
 Sun-Moon sep (deg) : 49.95
 B (ring opening deg) : 1.43
 PA of pole (deg) : 7.80
 Pole direction: RA (deg): 268.05769
 Dec (deg): 64.49669
 C/A sky separation (") : 20.476
 C/A sky separation (km) : 67373.7
 NAIF SPICE kernels : RAJobs_U111+rgf15.spk

Jupiter 2026-02-23T19:09:50 K8.07 G10.49
 Pgt



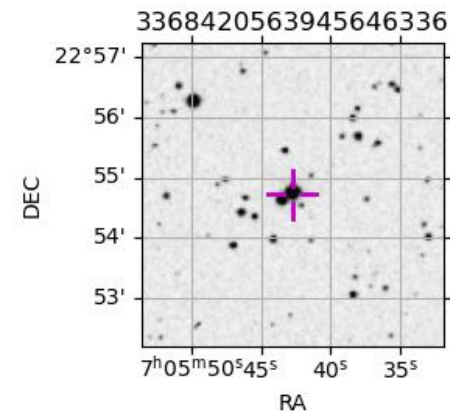
- Earth
- PIC
- PAL
- PMO
- KPNO
- MCD
- TEN
- IRTF
- KAV
- RIO
- ESO
- AAT
- SAAO
- MSO



2026-02-23T19:09:50.3200 α: 07 05 42.7614 δ: +22 54 43.002 C/A ***** PA 7.85 deg v_sky - 6.83 km/s D 04.54 AU
 Credit: Styled after SORA/Lucky Star

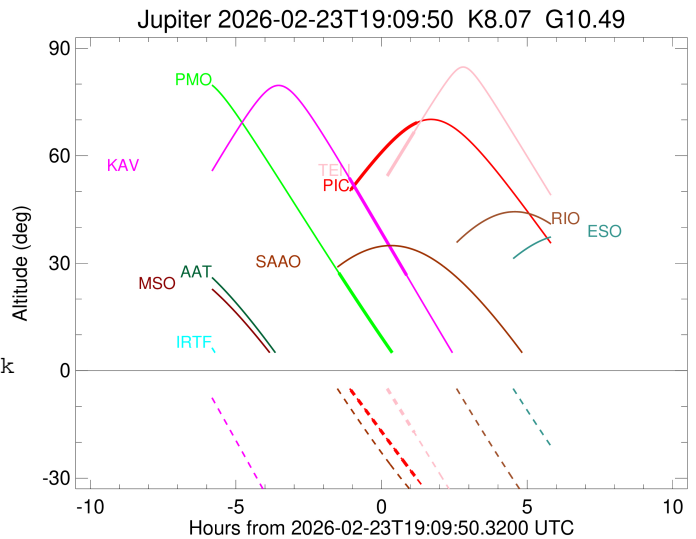
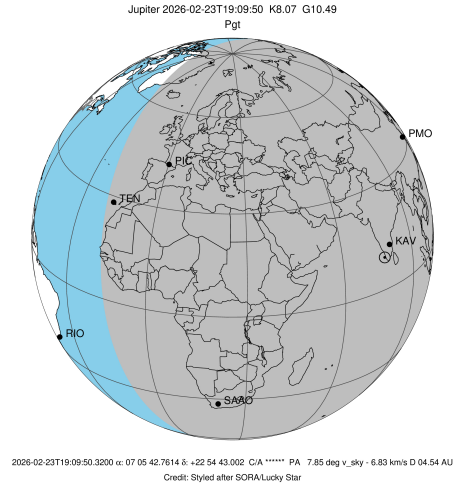
Observable events with sun below -5 deg and altitude above 5 deg

Obs	Location	lat	Elon	Target	Observed Events Interval	OEcode
PIC	Pic du Midi	42.9	0.1	+ +	FEB 23 18:06 - FEB 23 20:23	Pie
PAL	Palomar Mt (200")	33.4	243.1			Pnn
PMO	Purple Mtn Obs. Nanking	32.1	118.8	+	FEB 23 17:41 - FEB 23 17:41	Pin
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	+	FEB 23 20:17 - FEB 23 20:17	Pne
IRTF	Mauna Kea/IRTF	19.8	204.5			Pnn
KAV	Kavalur Observatory	12.6	78.8	+ +	FEB 23 18:03 - FEB 23 20:01	Pie
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



```

target                : Jupiter
target radius (km)   : 71492.00
C/A epoch            : 2026-02-23T19:15:02.260
Event type           : Pgt
: Jupiter occs: geocentric, topocentric
: Not a ringed target
Observer code        : PIC
Location             : Pic du Midi
Latitude (deg)       : 42.93656
E. Longitude (deg)  : 0.14231
Altitude (km)        : 2.890
Gaia source ID       : 3368420563945646336
2Mass ID (if available) : 07054278+2254437
ICRS Star Coord at Epoch: 07h 05m 42.76145s +22:54:43.00199s
RUWE (>1.4 is poor) : 1.09
K magnitude          : 8.075
G magnitude          : 10.490
RP magnitude         : 9.760
BP magnitude         : 11.077
DUPflag             : 0
Distance (au)        : 4.537
f0 (km)              : 0.00
g0 (km)              : 0.00
skyplane vel. (km/s) : -6.83
Sun-Target sep (deg) : 130.28
Sun-Moon sep (deg)  : 50.37
B (ring opening deg) : 1.43
PA of pole (deg)    : 7.80
Pole direction: RA (deg): 268.05769
Dec (deg): 64.49669
C/A sky separation (") : 19.857
C/A sky separation (km) : 65338.0
NAIF SPICE kernels  : RAJobs_U111+rgf15.spk
URKALLv1.spk
naif0012.tls
nep097.bsp
nep101.bsp
sat4401.bsp
de440.bsp
earth_720101_070426.bpc
jup365.bsp
urall6.bsp
IAU_SATURN_for_RINGFIT.tpc
pck00010.tpc
earth_200101_990628_predict.bpc
uranus_ringframes_rfrench20220627_v1.tf
neptune_ringframes_rfrench20220702a_v1.tf
earth_flat_IAU.spk
    
```

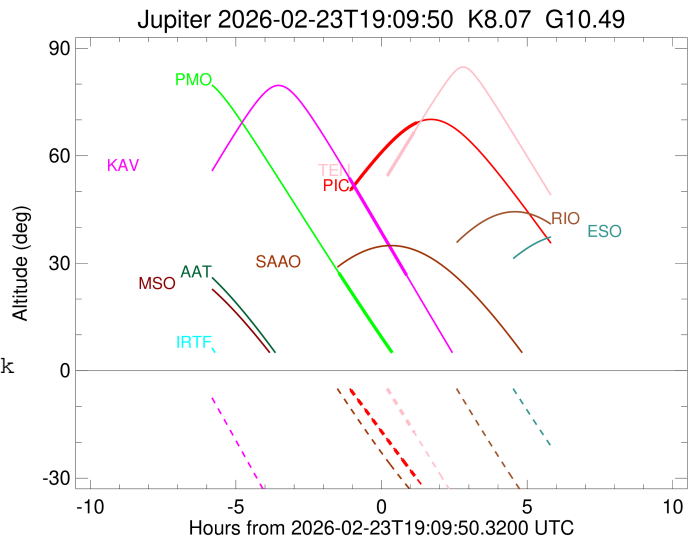
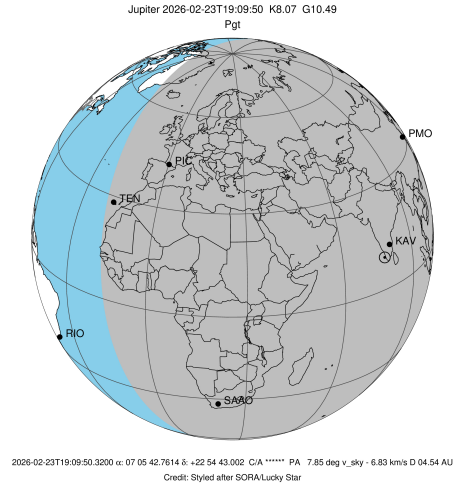


x: target alt < 5.0 deg or sun > -5.0 deg

Target	I/E	UTC	alt	alt-sun	radius	lat-geo	lat-geodetic
Jupiter	I	2026-02-23T18:06:44.755	50.51	-5.43	71489.7	-65.72	-68.33
Jupiter	E	2026-02-23T20:23:10.206	69.27	-30.23	71489.7	-65.99	-68.58

```

target                : Jupiter
target radius (km)   : 71492.00
C/A epoch             : 2026-02-23T19:01:16.160
Event type            : Pgt
: Jupiter occs: geocentric, topocentric
: Not a ringed target
Observer code         : PMO
Location              : Purple Mtn Obs. Nanking
Latitude (deg)        : 32.06667
E. Longitude (deg)   : 118.82089
Altitude (km)         : 0.364
Gaia source ID        : 3368420563945646336
2Mass ID (if available) : 07054278+2254437
ICRS Star Coord at Epoch: 07h 05m 42.76145s +22:54:43.00199s
RUWE (>1.4 is poor) : 1.09
K magnitude           : 8.075
G magnitude           : 10.490
RP magnitude          : 9.760
BP magnitude          : 11.077
DUPflag              : 0
Distance (au)         : 4.537
f0 (km)               : 0.00
g0 (km)               : 0.00
skyplane vel. (km/s) : -6.83
Sun-Target sep (deg)  : 130.28
Sun-Moon sep (deg)   : 50.52
B (ring opening deg) : 1.43
PA of pole (deg)     : 7.80
Pole direction: RA (deg): 268.05769
Dec (deg): 64.49669
C/A sky separation (") : 19.307
C/A sky separation (km) : 63527.7
NAIF SPICE kernels    : RAJobs_U111+rgf15.spk
URKALLv1.spk
naif0012.tls
nep097.bsp
nep101.bsp
sat4401.bsp
de440.bsp
earth_720101_070426.bpc
jup365.bsp
urall6.bsp
IAU_SATURN_for_RINGFIT.tpc
pck00010.tpc
earth_200101_990628_predict.bpc
uranus_ringframes_rfrench20220627_v1.tf
neptune_ringframes_rfrench20220702a_v1.tf
earth_flat_IAU.spk
    
```

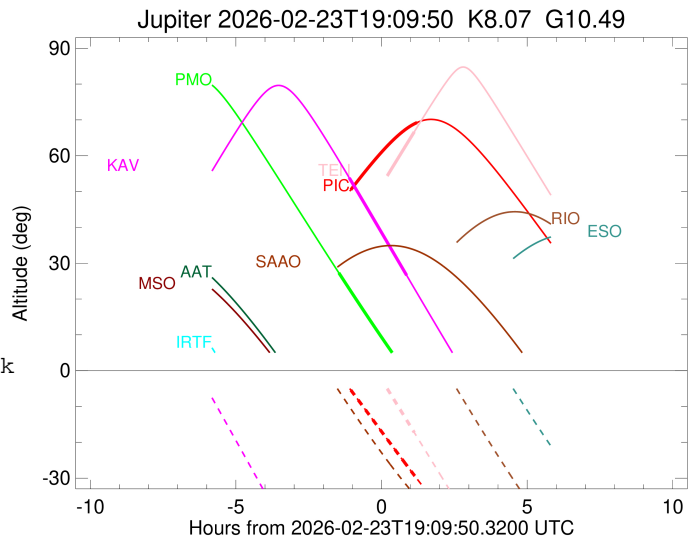
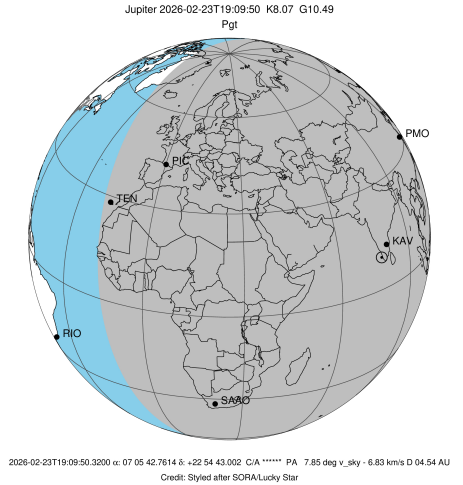


x: target alt < 5.0 deg or sun > -5.0 deg

Target	I/E	UTC	alt	alt-sun	radius	lat-geo	lat-geodetic
Jupiter	I	2026-02-23T17:41:57.553	27.30	-60.45	71489.7	-63.93	-66.69
Jupiter	E	2026-02-23T20:22:17.668	-4.52x	-29.54	71489.8	-61.55	-64.50

```

target                : Jupiter
target radius (km)   : 71492.00
C/A epoch            : 2026-02-23T19:17:39.720
Event type           : Pgt
: Jupiter occs: geocentric, topocentric
: Not a ringed target
Observer code        : TEN
Location             : Teide Obs./Tenerife
Latitude (deg)       : 28.30050
E. Longitude (deg)  : 343.48909
Altitude (km)        : 2.395
Gaia source ID       : 3368420563945646336
2Mass ID (if available) : 07054278+2254437
ICRS Star Coord at Epoch: 07h 05m 42.76145s +22:54:43.00199s
RUWE (>1.4 is poor) : 1.09
K magnitude           : 8.075
G magnitude           : 10.490
RP magnitude          : 9.760
BP magnitude          : 11.077
DUPflag              : 0
Distance (au)         : 4.537
f0 (km)              : 0.00
g0 (km)              : 0.00
skyplane vel. (km/s) : -6.83
Sun-Target sep (deg) : 130.28
Sun-Moon sep (deg)   : 50.15
B (ring opening deg) : 1.43
PA of pole (deg)     : 7.80
Pole direction: RA (deg): 268.05769
Dec (deg): 64.49669
C/A sky separation (") : 20.299
C/A sky separation (km) : 66791.5
NAIF SPICE kernels   : RAJobs_U111+rgf15.spk
URKALLv1.spk
naif0012.tls
nep097.bsp
nep101.bsp
sat4401.bsp
de440.bsp
earth_720101_070426.bpc
jup365.bsp
urall6.bsp
IAU_SATURN_for_RINGFIT.tpc
pck00010.tpc
earth_200101_990628_predict.bpc
uranus_ringframes_rfrench20220627_v1.tf
neptune_ringframes_rfrench20220702a_v1.tf
earth_flat_IAU.spk
    
```

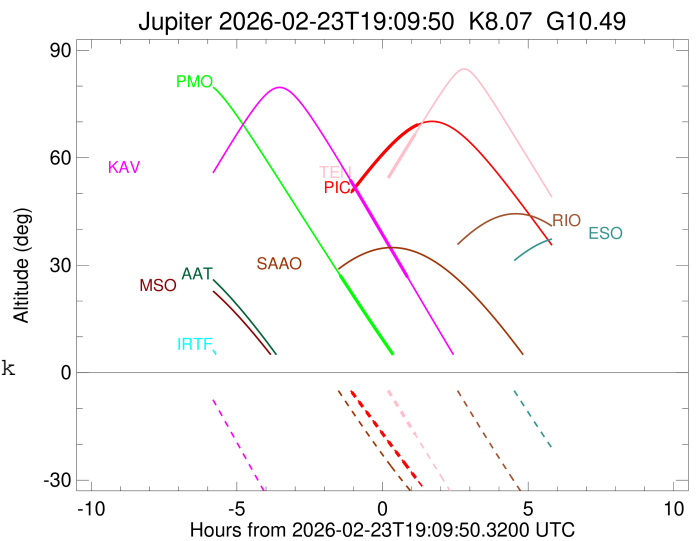
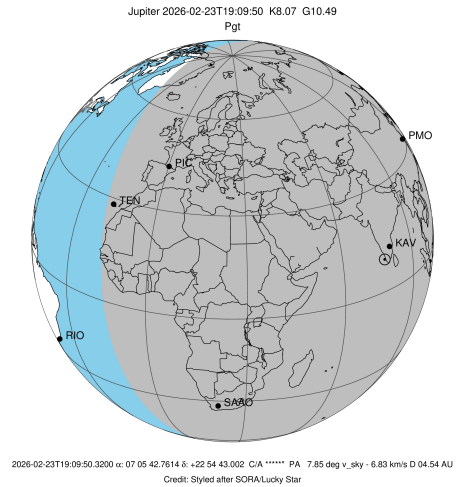


x: target alt < 5.0 deg or sun > -5.0 deg

Target	I/E	UTC	alt	alt-sun	radius	lat-geo	lat-geodetic
Jupiter	I	2026-02-23T18:17:33.621	40.25	8.77x	71489.6	-68.39	-70.76
Jupiter	E	2026-02-23T20:17:23.481	66.67	-17.27	71489.6	-69.42	-71.69

```

target                : Jupiter
target radius (km)   : 71492.00
C/A epoch            : 2026-02-23T19:02:04.540
Event type           : Pgt
: Jupiter occs: geocentric, topocentric
: Not a ringed target
Observer code        : KAV
Location             : Kavalur Observatory
Latitude (deg)       : 12.57556
E. Longitude (deg)   : 78.83167
Altitude (km)        : 0.722
Gaia source ID       : 3368420563945646336
2Mass ID (if available) : 07054278+2254437
ICRS Star Coord at Epoch: 07h 05m 42.76145s +22:54:43.00199s
RUWE (>1.4 is poor) : 1.09
K magnitude           : 8.075
G magnitude           : 10.490
RP magnitude          : 9.760
BP magnitude          : 11.077
DUPflag              : 0
Distance (au)        : 4.537
f0 (km)               : 0.00
g0 (km)               : 0.00
skyplane vel. (km/s) : -6.83
Sun-Target sep (deg) : 130.28
Sun-Moon sep (deg)   : 50.90
B (ring opening deg) : 1.43
PA of pole (deg)     : 7.80
Pole direction: RA (deg): 268.05769
Dec (deg): 64.49669
C/A sky separation (") : 20.351
C/A sky separation (km) : 66960.8
NAIF SPICE kernels   : RAJobs_U111+rgf15.spk
URKALLv1.spk
naif0012.tls
nep097.bsp
nep101.bsp
sat4401.bsp
de440.bsp
earth_720101_070426.bpc
jup365.bsp
urall6.bsp
IAU_SATURN_for_RINGFIT.tpc
pck00010.tpc
earth_200101_990628_predict.bpc
uranus_ringframes_rfrench20220627_v1.tf
neptune_ringframes_rfrench20220702a_v1.tf
earth_flat_IAU.spk
    
```



x: target alt < 5.0 deg or sun > -5.0 deg

Target	I/E	UTC	alt	alt-sun	radius	lat-geo	lat-geodetic
Jupiter	I	2026-02-23T18:03:25.254	53.82	-76.32	71489.5	-70.73	-72.88
Jupiter	E	2026-02-23T20:01:34.289	26.63	-74.13	71489.6	-68.03	-70.43