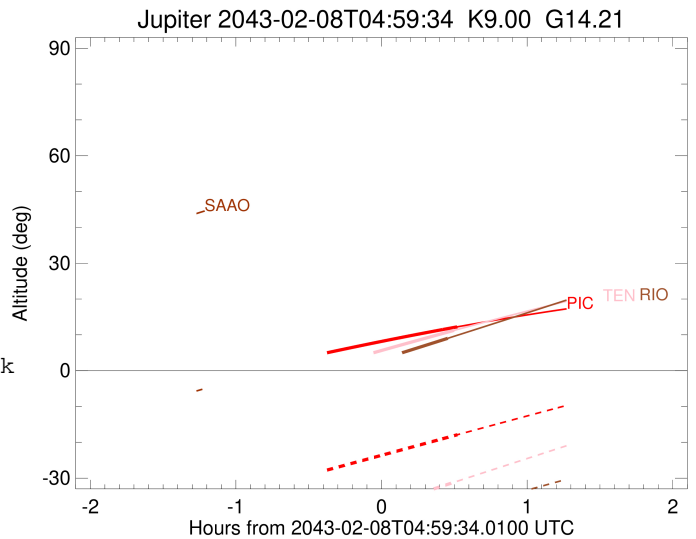
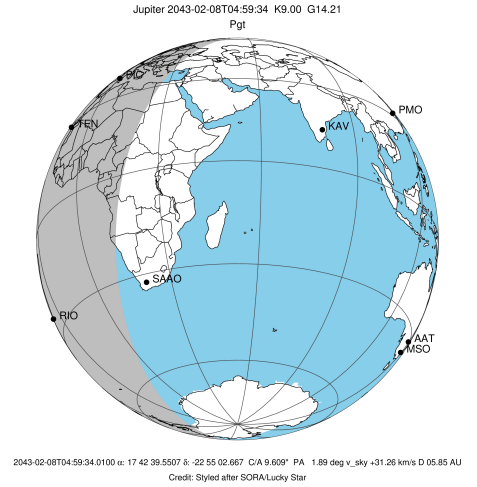




```

target                : Jupiter
target radius (km)   : 71492.00
C/A epoch            : 2043-02-08T04:57:33.180
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      : 4116877958930680448
2Mass ID (if available) : 17423956-2255021
ICRS Star Coord at Epoch: 17h 42m 39.55070s -22:55:02.66720s
RUWE (>1.4 is poor) : 0.95
K magnitude          : 9.003
G magnitude          : 14.215
RP magnitude         : 12.925
BP magnitude         : 16.136
DUPflag             : 0
Distance (au)       : 5.850
f0 (km)              : 0.00
g0 (km)              : 0.00
skyplane vel. (km/s) : 31.26
Sun-Target sep (deg) : 52.71
Sun-Moon sep (deg)  : 32.68
B (ring opening deg) : -2.57
PA of pole (deg)    : 1.03
Pole direction: RA (deg): 268.05661
Dec (deg): 64.49732
C/A sky separation (" ) : 8.431
C/A sky separation (km) : 35770.0
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
    
```

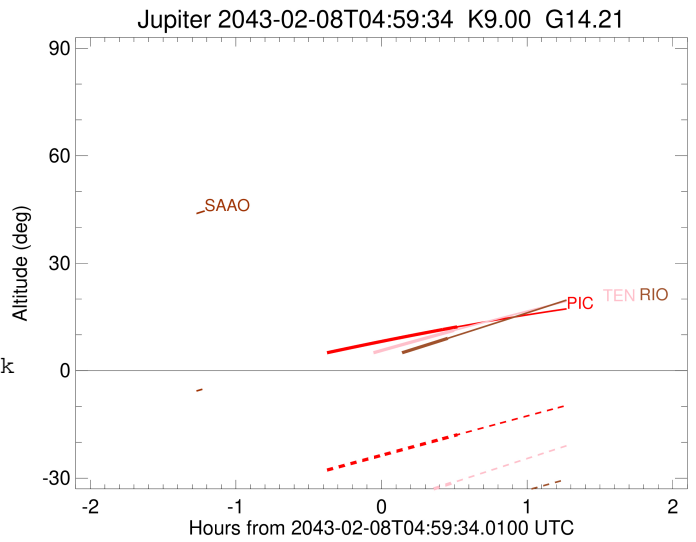
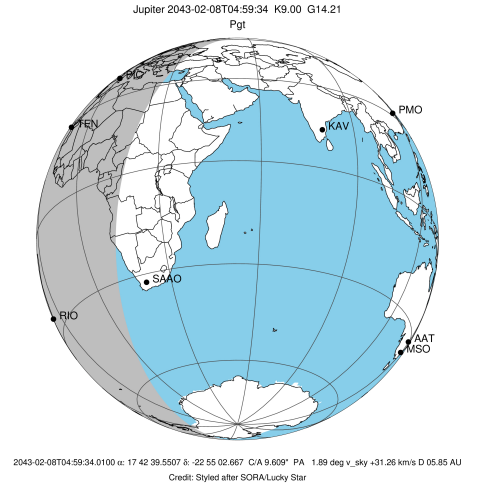


x: target alt < 5.0 deg or sun > -5.0 deg

Target	I/E	UTC	alt	alt-sun	radius	lat-geo	lat-geodetic
Jupiter	I	2043-02-08T04:24:22.291	3.12x	-30.07	71489.6	-31.07	-34.50
Jupiter	E	2043-02-08T05:30:47.242	12.23	-17.89	71489.9	-28.93	-32.24

```

target                : Jupiter
target radius (km)   : 71492.00
C/A epoch            : 2043-02-08T04:56:47.380
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      : 4116877958930680448
2Mass ID (if available) : 17423956-2255021
ICRS Star Coord at Epoch: 17h 42m 39.55070s -22:55:02.66720s
RUWE (>1.4 is poor) : 0.95
K magnitude         : 9.003
G magnitude         : 14.215
RP magnitude        : 12.925
BP magnitude        : 16.136
DUPflag            : 0
Distance (au)       : 5.850
f0 (km)             : 0.00
g0 (km)             : 0.00
skyplane vel. (km/s) : 31.26
Sun-Target sep (deg) : 52.71
Sun-Moon sep (deg)  : 32.80
B (ring opening deg) : -2.57
PA of pole (deg)    : 1.03
Pole direction: RA (deg): 268.05661
Dec (deg): 64.49732
C/A sky separation (") : 8.809
C/A sky separation (km) : 37374.9
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
    
```

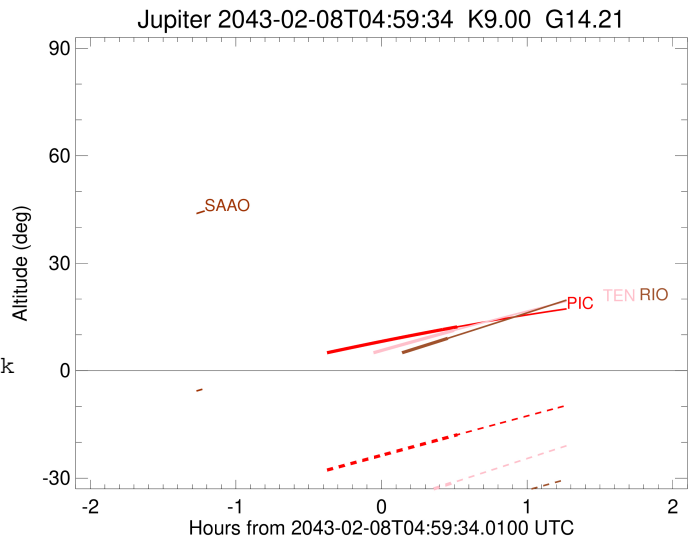
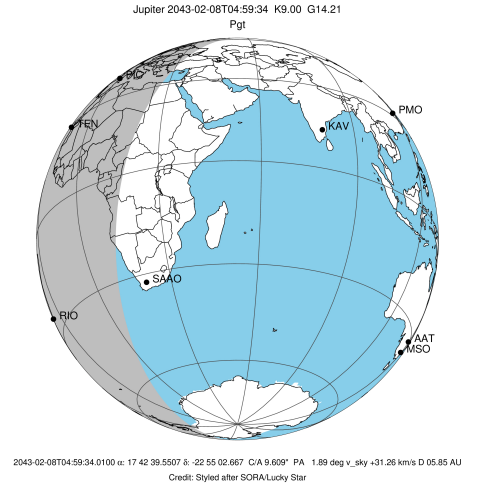


x: target alt < 5.0 deg or sun > -5.0 deg

Target	I/E	UTC	alt	alt-sun	radius	lat-geo	lat-geodetic
Jupiter	I	2043-02-08T04:24:11.810	-1.30x	-45.52	71489.4	-32.64	-36.14
Jupiter	E	2043-02-08T05:29:26.996	11.24	-31.16	71489.7	-30.35	-33.74

```

target                : Jupiter
target radius (km)   : 71492.00
C/A epoch             : 2043-02-08T04:56:37.120
Event type            : Pgt
: Jupiter occs: geocentric, topocentric
: Not a ringed target
Observer code         : RIO
Location              : Rio de Janeiro
Latitude (deg)        : -22.89506
E. Longitude (deg)    : 316.77708
Altitude (km)         : 0.033
Gaia source ID        : 4116877958930680448
2Mass ID (if available) : 17423956-2255021
ICRS Star Coord at Epoch: 17h 42m 39.55070s -22:55:02.66720s
RUWE (>1.4 is poor)  : 0.95
K magnitude           : 9.003
G magnitude           : 14.215
RP magnitude          : 12.925
BP magnitude          : 16.136
DUPflag              : 0
Distance (au)         : 5.850
f0 (km)               : 0.00
g0 (km)               : 0.00
skyplane vel. (km/s)  : 31.26
Sun-Target sep (deg)  : 52.71
Sun-Moon sep (deg)    : 32.70
B (ring opening deg)  : -2.57
PA of pole (deg)      : 1.03
Pole direction: RA (deg): 268.05661
Dec (deg): 64.49732
C/A sky separation (") : 10.241
C/A sky separation (km) : 43448.3
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	2043-02-08T04:26:26.283	-3.73x	-47.49	71488.5	-38.54	-42.23
Jupiter	E	2043-02-08T05:26:51.674	9.03	-39.01	71488.8	-36.22	-39.85