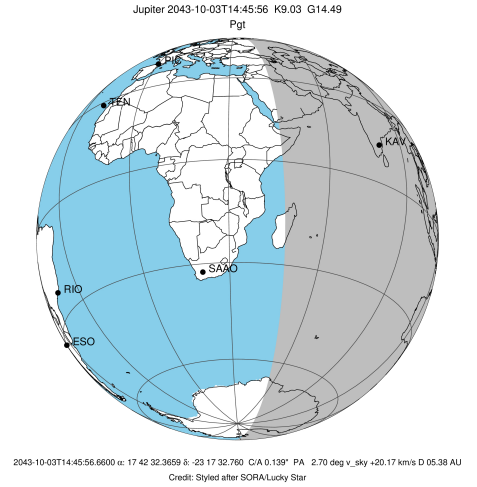


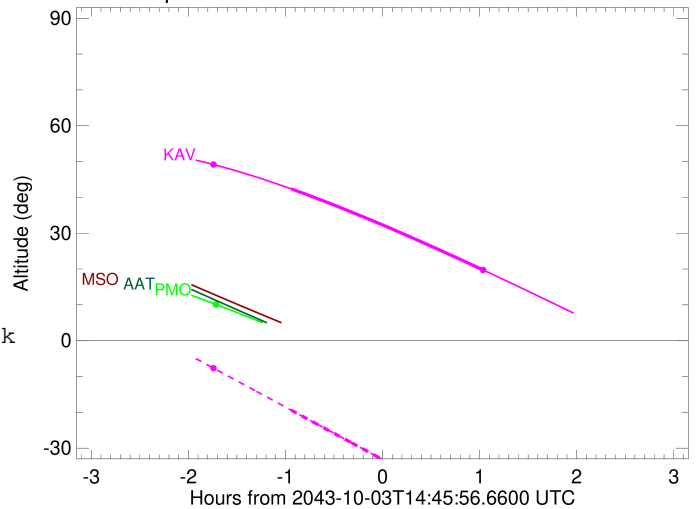


```

target                : Jupiter
target radius (km)   : 71492.00
C/A epoch            : 2043-10-03T14:49:37.460
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       : 4116478561381723136
2Mass ID (if available) : 17423236-2317328
ICRS Star Coord at Epoch: 17h 42m 32.36588s -23:17:32.75969s
RUWE (>1.4 is poor) : 0.91
K magnitude          : 9.033
G magnitude          : 14.491
RP magnitude         : 13.123
BP magnitude         : 16.779
DUPflag             : 0
Distance (au)        : 5.375
f0 (km)              : 0.00
g0 (km)              : 0.00
skyplane vel. (km/s) : 20.17
Sun-Target sep (deg) : 76.31
Sun-Moon sep (deg)   : 71.51
B (ring opening deg) : -2.19
PA of pole (deg)     : 1.04
Pole direction: RA (deg): 268.05674
Dec (deg): 64.49731
C/A sky separation (") : 0.673
C/A sky separation (km) : 2624.6
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
    
```



Jupiter 2043-10-03T14:45:56 K9.03 G14.49



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	2043-10-03T13:49:30.812	42.37	-19.39	71492.0	0.75	0.86
Jupiter	E	2043-10-03T15:49:24.864	19.46	-48.58	71492.0	3.35	3.83