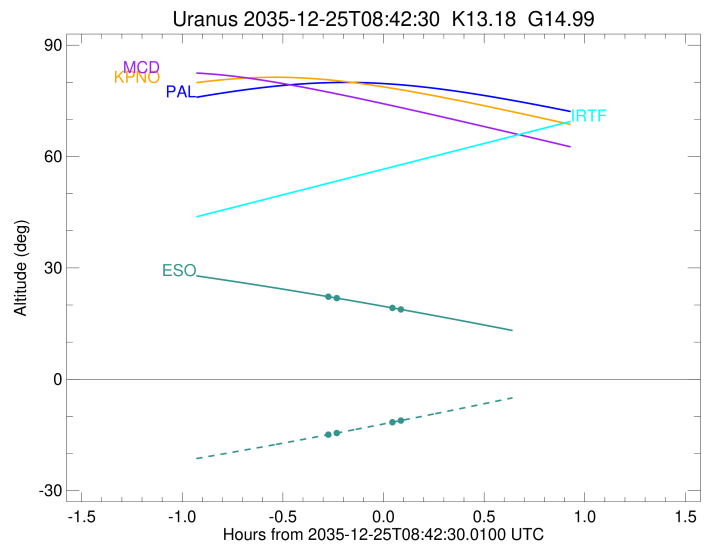
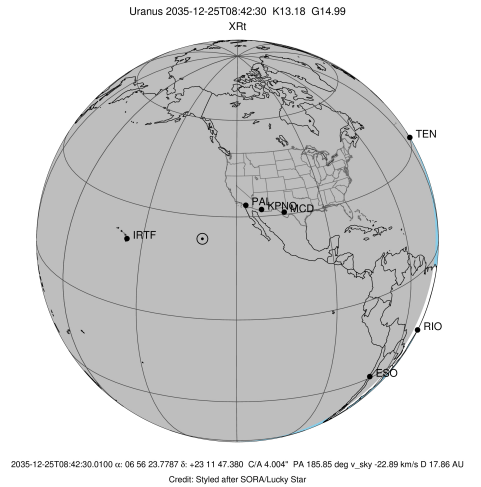



```

target                : Uranus
target radius (km)   : 25559.00
C/A epoch            : 2035-12-25T08:38:56.790
Event type          : XRt
                    : No Uranus occs
                    : Ring occs: topocentric, not geocentric
Observer code       : ESO
Location            : European Southern Obs. (3.6m)
Latitude (deg)      : -29.26097
E. Longitude (deg)  : 289.26831
Altitude (km)       : 2.400
Gaia source ID      : 3380090234902606080
2Mass ID (if available) : 06562376+2311475
ICRS Star Coord at Epoch: 06h 56m 23.77870s +23:11:47.38029s
RUWE (>1.4 is poor) : 1.04
K magnitude          : 13.179
G magnitude          : 14.993
RP magnitude         : 14.404
BP magnitude         : 15.412
DUPflag             : 0
Distance (au)       : 17.858
f0 (km)             : 0.000
g0 (km)             : 0.000
skyplane vel. (km/s) : -22.89
Sun-Target sep (deg) : 169.92
Sun-Moon sep (deg)  : 123.51
B (ring opening deg) : 63.51
PA of pole (deg)    : 77.21
Pole direction: RA (deg): 257.31100
Dec (deg): -15.17500
C/A sky separation (") : 3.698
C/A sky separation (km) : 47897.3
NAIF SPICE kernels  : RAJobs_U111+rgf15.spk
URKALLvl1.spk
ura111.bsp
IAU_URANUS_for_RINGFIT.tpc
vgr2.ura111.bsp
ura161.bsp
vgr2.ura161.bsp
peph.ura160.bsp
earthstns_itr93_040916.bsp
earth_720101_070426.bpc
earth_200101_990628_predict.bpc
pg3f0000r.bsp
pg490000r.bsp
naif0012.tls
earth_flat_IAU.spk
  
```



Ring	I/E	UTC	b?	alt	alt-sun	radius	r-dot	lat-geo	lat-geodetic
epsilon	I	2035-12-25T08:26:01.610		22.25	-14.92	51176.13	-8.54		
lambda	I	2035-12-25T08:28:36.148		21.85	-14.48	50026.71	-6.51		

No planet occultations

lambda	E	2035-12-25T08:45:07.566		19.23	-11.58	50026.71	6.50		
epsilon	E	2035-12-25T08:48:11.481		18.73	-11.03	51424.48	8.53		