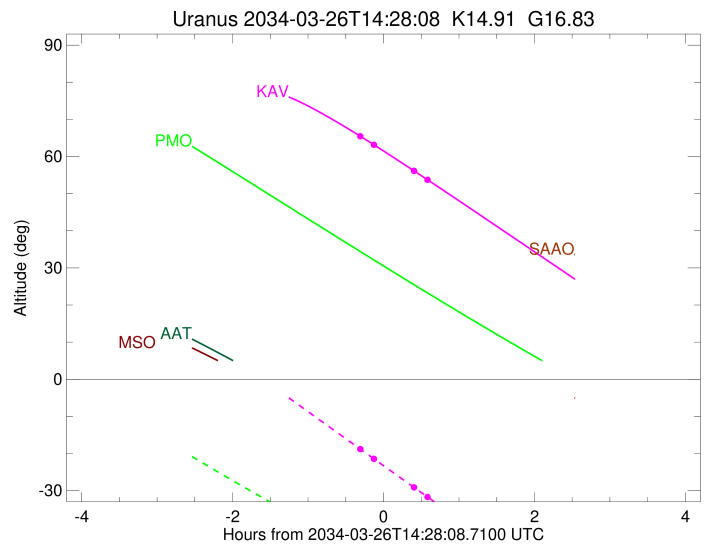
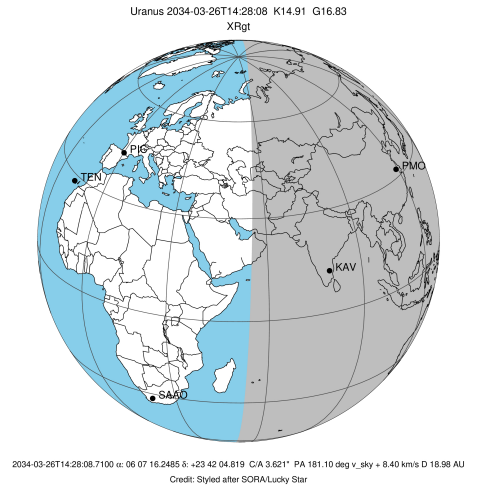


target : Uranus
 target radius (km) : 25559.00
 C/A epoch : 2034-03-26T14:32:58.450
 Event type : XRgt
 : No Uranus occs
 : Ring occs: geocentric, topocentric
 Observer code : KAV
 Location : Kavalur Observatory
 Latitude (deg) : 12.57556
 E. Longitude (deg) : 78.83167
 Altitude (km) : 0.722
 Gaia source ID : 3426149189309304320
 2Mass ID (if available) : 06071623+2342047
 ICRS Star Coord at Epoch: 06h 07m 16.24855s +23:42:04.81902s
 RUWE (>1.4 is poor) : 1.02
 K magnitude : 14.908
 G magnitude : 16.828
 RP magnitude : 16.163
 BP magnitude : 17.304
 DUPflag : 0
 Distance (au) : 18.979
 f0 (km) : 0.000
 g0 (km) : 0.000
 skyplane vel. (km/s) : 8.39
 Sun-Target sep (deg) : 86.13
 Sun-Moon sep (deg) : 6.00
 B (ring opening deg) : 73.90
 PA of pole (deg) : 60.66
 Pole direction: RA (deg): 257.31100
 Dec (deg): -15.17500
 C/A sky separation (") : 3.551
 C/A sky separation (km) : 48884.1
 NAIF SPICE kernels : RAJobs_U111+rgf15.spk
 URKALLvl.spk
 ura111.bsp
 IAU_URANUS_for_RINGFIT.tpc
 vgr2.ura111.bsp
 ura161.bsp
 vgr2.ura161.bsp
 peph.ura160.bsp
 earthstns_itrf93_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	2034-03-26T14:10:23.338		65.32	-18.98	51075.85	-2.15		
lambda	I	2034-03-26T14:20:42.216		63.12	-21.47	50026.71	-1.29		

No planet occultations

lambda	E	2034-03-26T14:52:13.891		56.19	-29.08	50026.71	1.30		
epsilon	E	2034-03-26T15:04:05.837		53.52	-31.93	51286.47	2.17		