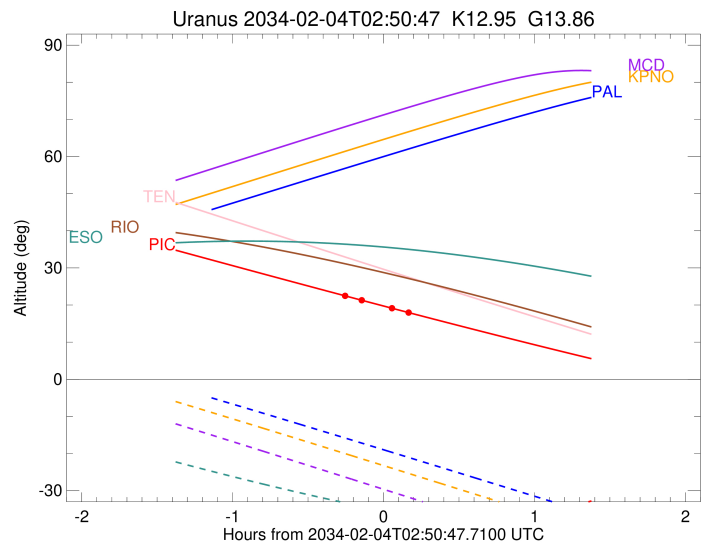
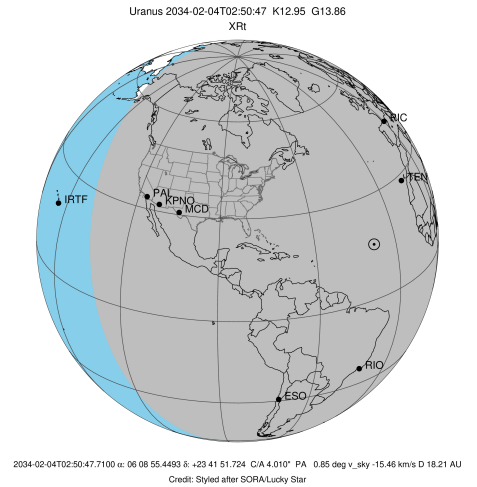


target : Uranus
 target radius (km) : 25559.00
 C/A epoch : 2034-02-04T02:46:19.730
 Event type : XRt
 : No Uranus occs
 : Ring occs: topocentric, not geocentric
 Observer code : PIC
 Location : Pic du Midi
 Latitude (deg) : 42.93656
 E. Longitude (deg) : 0.14231
 Altitude (km) : 2.890
 Gaia source ID : 3425391106105170944
 2Mass ID (if available) : 06085544+2341518
 ICRS Star Coord at Epoch: 06h 08m 55.44929s +23:41:51.72406s
 RUWE (>1.4 is poor) : 1.02
 K magnitude : 12.952
 G magnitude : 13.863
 RP magnitude : 13.539
 BP magnitude : 14.048
 DUPflag : 0
 Distance (au) : 18.212
 f0 (km) : 0.000
 g0 (km) : 0.000
 skyplane vel. (km/s) : -15.46
 Sun-Target sep (deg) : 137.17
 Sun-Moon sep (deg) : 51.14
 B (ring opening deg) : 73.57
 PA of pole (deg) : 61.46
 Pole direction: RA (deg): 257.31100
 Dec (deg): -15.17500
 C/A sky separation (") : 3.727
 C/A sky separation (km) : 49226.9
 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	2034-02-04T02:33:57.214		22.76	-50.00	51546.29	-4.22		
lambda	I	2034-02-04T02:42:16.671		21.26	-48.67	50026.71	-1.81		

No planet occultations

lambda	E	2034-02-04T02:54:02.255		19.16	-46.74	50026.71	1.80		
epsilon	E	2034-02-04T03:01:59.217		17.75	-45.41	51447.78	4.20		