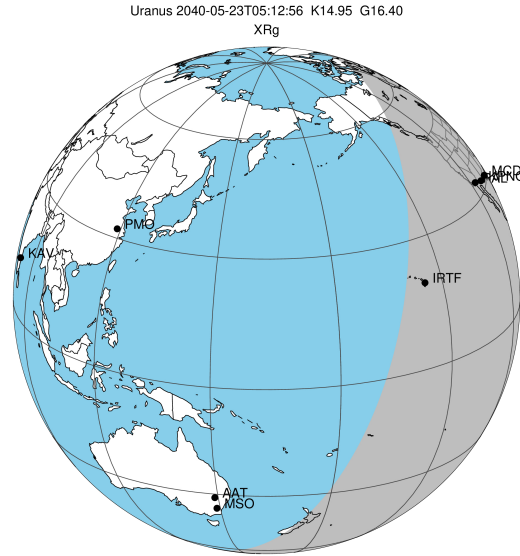
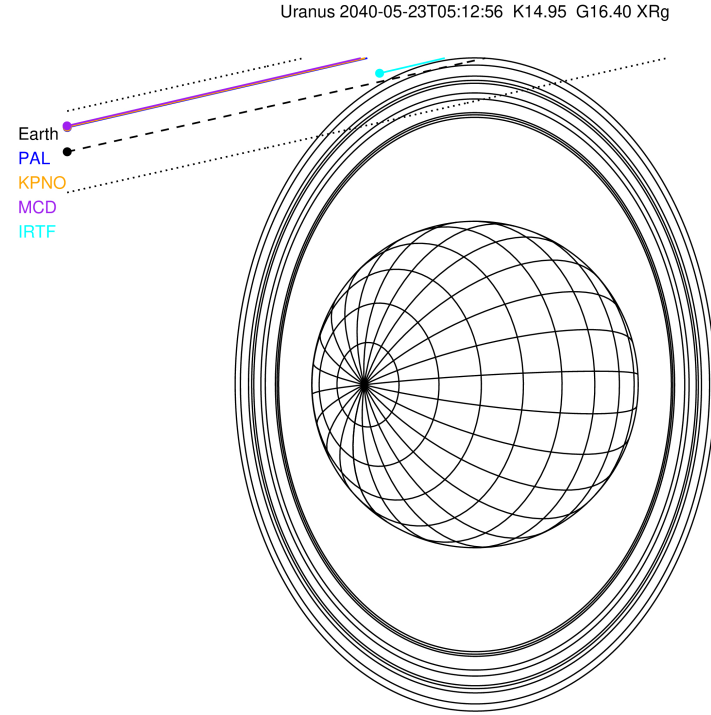


target : Uranus  
 target radius (km) : 25559.00  
 C/A epoch : 2040-05-23T05:12:56.780  
 Event type : XRG  
 : No Uranus occs  
 : Ring occs: geocentric, not topocentric  
 Gaia source ID : 670675743320768896  
 2Mass ID (if available) : 08080105+2045395

ICRS Star Coord at Epoch: 08h 08m 01.06741s +20:45:39.52482s  
 RUWE (>1.4 is poor) : 1.08  
 K magnitude : 14.948  
 G magnitude : 16.402  
 RP magnitude : 15.908  
 BP magnitude : 16.712  
 DUPflag : 0  
 Distance (au) : 19.094  
 f0 (km) : 0.000  
 g0 (km) : 0.000  
 skyplane vel. (km/s) : 22.51  
 Sun-Target sep (deg) : 57.57  
 Sun-Moon sep (deg) : 79.00  
 B (ring opening deg) : 47.25  
 PA of pole (deg) : 90.13



2040-05-23T05:12:56.7800 ex: 08 08 01.0674 s: +20 45 39.525 C/A 3.586° PA 192.63 deg v\_sky +22.51 km/s D 19.09 AU  
 Credit: Styled after SORA/Lucky Star



#	a(km)	ring
1	41837.2	6
2	42235.0	5
3	42571.2	4
4	44718.5	alpha
5	45661.1	beta
6	47176.1	eta
7	47626.3	gamma
8	48300.3	delta
9	50026.7	lambda
10	51149.4	epsilon

Observable events with sun below -5 deg and altitude above 5 deg unblocked by planet

Obs	Location	lat	Elon	Rings I	Planet	Rings E	Observed Events Interval	OEcode
PIC	Pic du Midi	42.9	0.1					PnnRnn
PAL	Palomar Mt (200")	33.4	243.1					PnnRnn
PMO	Purple Mtn Obs. Nanki	32.1	118.8					PnnRnn
KPNO	Kitt Peak Natl Obs	32.0	248.4					PnnRnn
MCD	McDonald Obs. 2.7m	30.7	256.0					PnnRnn
TEN	Teide Obs./Tenerife	28.3	343.5					PnnRnn
IRTF	Mauna Kea/IRTF	19.8	204.5					PnnRnn
KAV	Kavalur Observatory	12.6	78.8					PnnRnn
RIO	Rio de Janeiro	-22.9	316.8					PnnRnn
ESO	European Southern Obs	-29.3	289.3					PnnRnn
AAT	Siding Spring (AAT)	-31.3	149.1					PnnRnn
SAAO	So. Afr. Astro. Obs.	-32.4	20.8					PnnRnn
MSO	Mt. Stromlo Observato	-35.3	149.0					PnnRnn

