

target : Uranus
 target radius (km) : 25559.00
 C/A epoch : 2043-10-03T00:45:23.270
 Event type : PgRg
 : Uranus occs: geocentric, not topocentric
 : Ring occs: geocentric, not topocentric
 Gaia source ID : 618977187618234112
 2Mass ID (if available) : 09311727+1523161

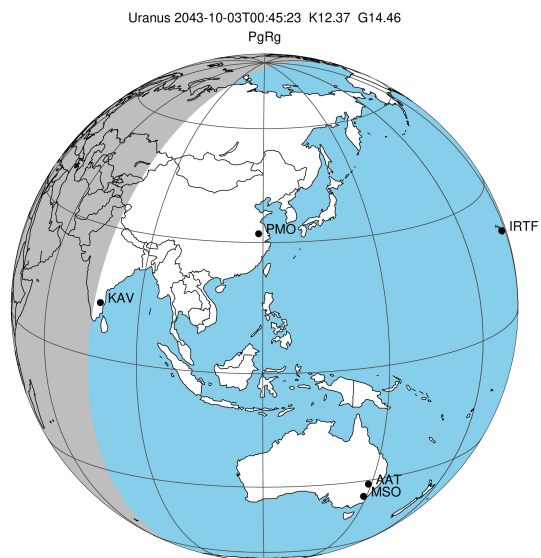
Uranus 2043-10-03T00:45:23 K12.37 G14.46 PgRg

ICRS Star Coord at Epoch: 09h 31m 17.24835s +15:23:15.98215s

RUWE (>1.4 is poor) : 1.00
 K magnitude : 12.373
 G magnitude : 14.457
 RP magnitude : 13.805
 BP magnitude : 14.952
 DUPflag : 0
 Distance (au) : 19.055
 f0 (km) : 0.000
 g0 (km) : 0.000
 skyplane vel. (km/s) : 26.26
 Sun-Target sep (deg) : 48.92
 Sun-Moon sep (deg) : 47.77
 B (ring opening deg) : 27.08
 PA of pole (deg) : 99.45

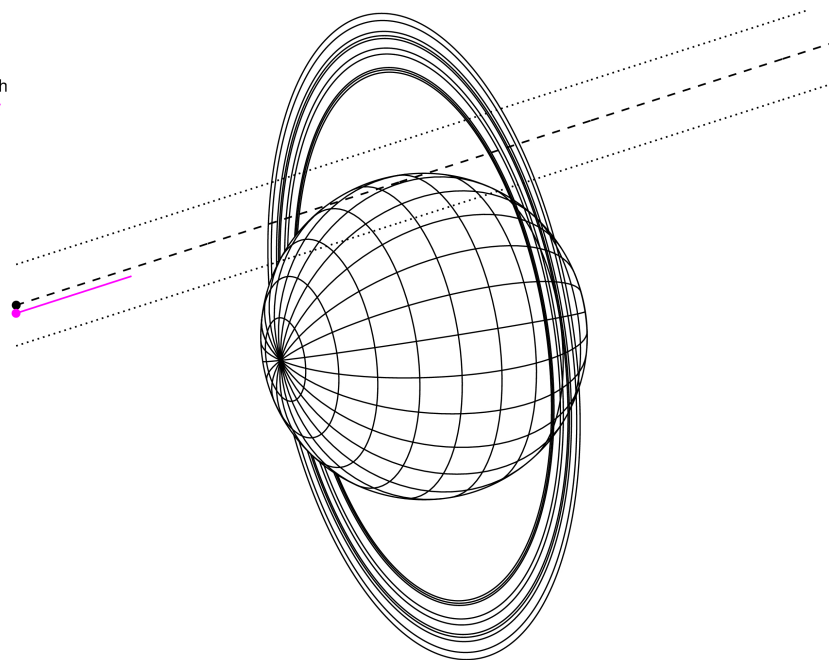
a(km) ring

- 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



2043-10-03T00:45:23.2700 ex: 09 31 17.2484 s: +15 23 15.982 C/A 1.754" PA 197.81 deg v_sky +26.26 km/s D 19.06 AU
 Credit: Styled after SORA/Lucky Star

Earth
 KAV



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

