

target : Uranus  
 target radius (km) : 25559.00  
 C/A epoch : 2042-10-13T16:29:14.630  
 Event type : PgRg  
 : Uranus occs: geocentric, not topocentric  
 : Ring occs: geocentric, not topocentric  
 Gaia source ID : 631922764508772480  
 2Mass ID (if available) : 09151030+1637165

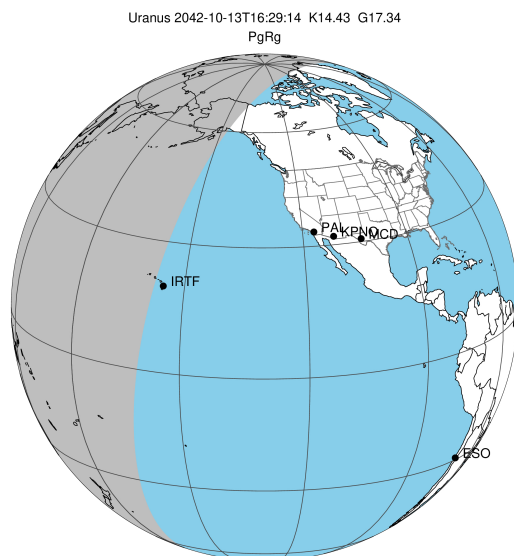
Uranus 2042-10-13T16:29:14 K14.43 G17.34 PgRg

ICRS Star Coord at Epoch: 09h 15m 10.31514s +16:37:15.98955s

RUWE (>1.4 is poor) : 1.03  
 K magnitude : 14.429  
 G magnitude : 17.343  
 RP magnitude : 16.426  
 BP magnitude : 18.221  
 DUPflag : 0  
 Distance (au) : 18.873  
 f0 (km) : 0.000  
 g0 (km) : 0.000  
 skyplane vel. (km/s) : 19.83  
 Sun-Target sep (deg) : 63.75  
 Sun-Moon sep (deg) : 59.45  
 B (ring opening deg) : 31.09  
 PA of pole (deg) : 97.99

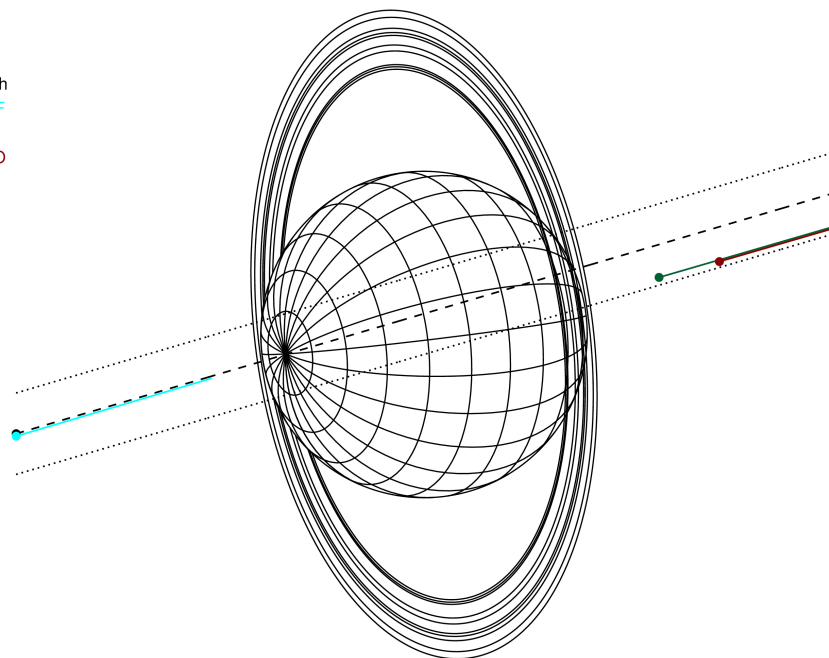
# a(km) ring

- 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



2042-10-13T16:29:14.6300 ex: 09 15 10.3151 s: +16 37 15.990 C/A 0.230° PA 196.39 deg v\_sky +19.83 km/s D 18.87 AU  
 Credit: Styled after SORA/Lucky Star

Earth  
 IRTF  
 AAT  
 MSO



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

