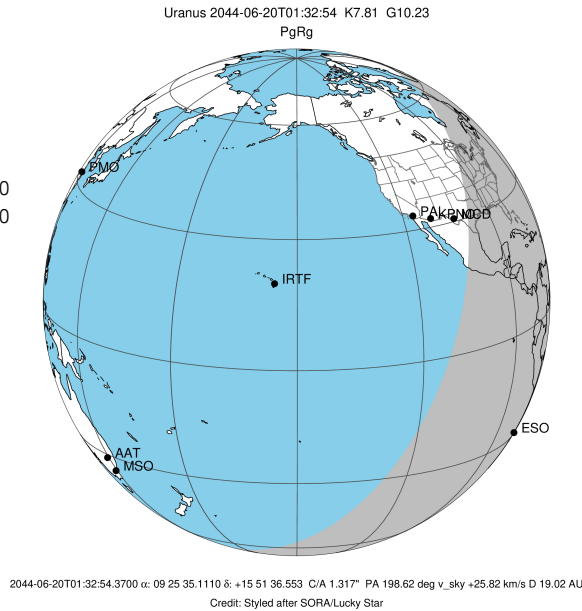


target : Uranus  
 target radius (km) : 25559.00  
 C/A epoch : 2044-06-20T01:32:54.370  
 Event type : PgRg  
 : Uranus occs: geocentric, not topocentric  
 : Ring occs: geocentric, not topocentric  
 Gaia source ID : 630753674410483328  
 2Mass ID (if available) : 09253510+1551367

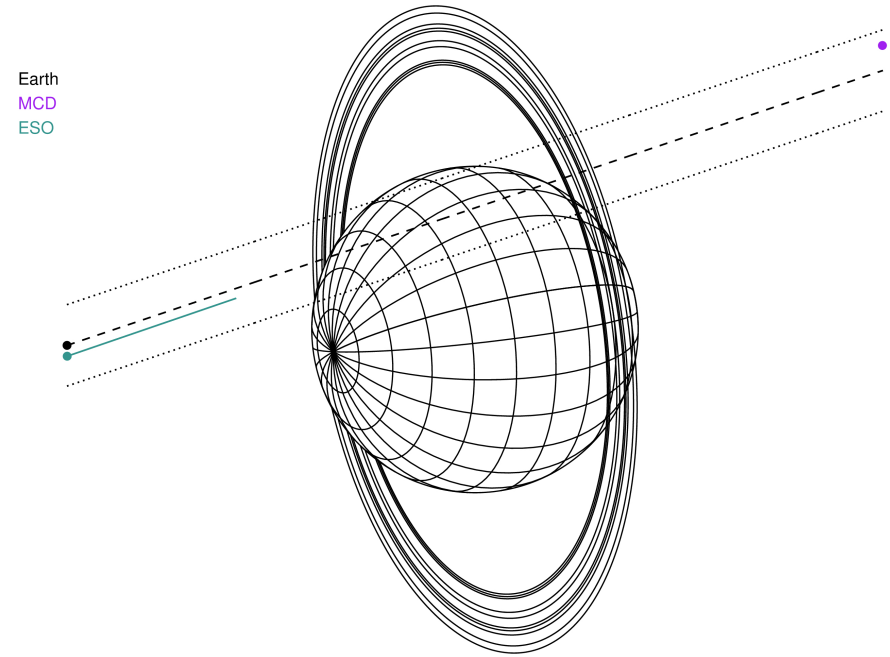
ICRS Star Coord at Epoch: 09h 25m 35.11098s +15:51:36.55267s

RUWE (>1.4 is poor) : 0.79  
 K magnitude : 7.811  
 G magnitude : 10.233  
 RP magnitude : 9.500  
 BP magnitude : 10.828  
 DUPflag : 0  
 Distance (au) : 19.023  
 f0 (km) : 0.000  
 g0 (km) : 0.000  
 skyplane vel. (km/s) : 25.82  
 Sun-Target sep (deg) : 49.97  
 Sun-Moon sep (deg) : 123.31  
 B (ring opening deg) : 28.51  
 PA of pole (deg) : 98.94

#	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



Uranus 2044-06-20T01:32:54 K7.81 G10.23 PgRg



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

