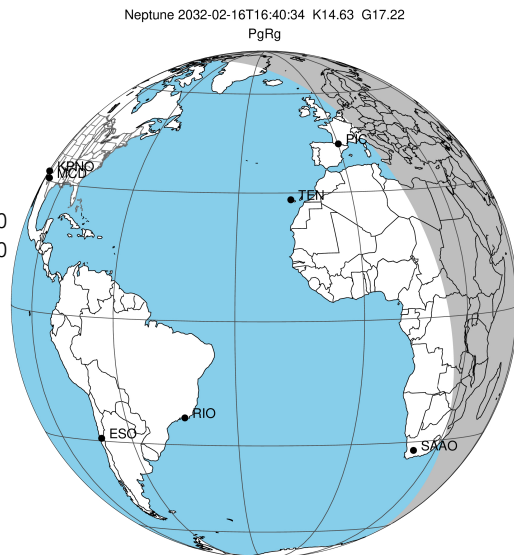


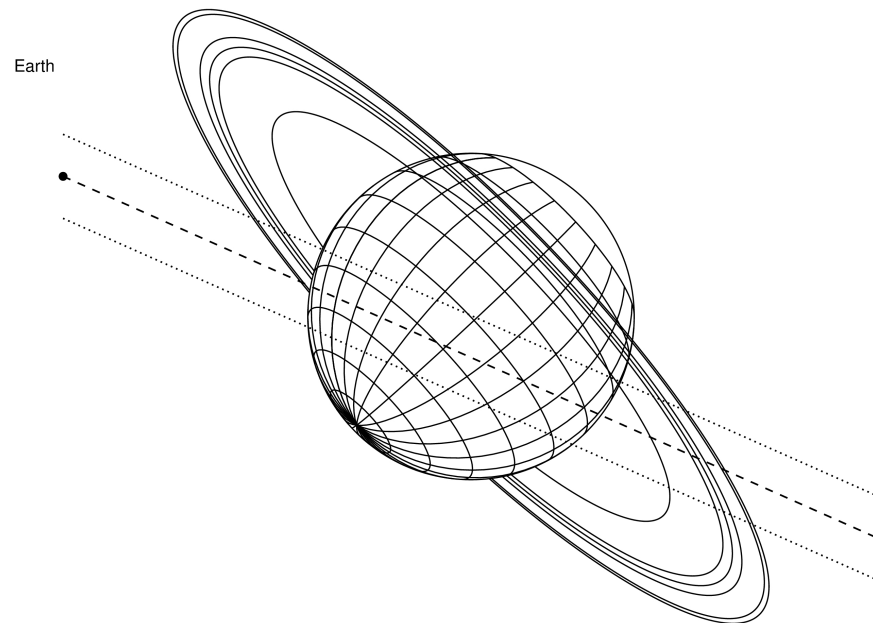
target : Neptune
 target radius (km) : 24764.00
 C/A epoch : 2032-02-16T16:40:34.990
 Event type : PgRg
 : Neptune occs: geocentric, not topocentric
 : Ring occs: geocentric, not topocentric
 Gaia source ID : 2552419422434951296
 2Mass ID (if available) : 00505567+0347165

Neptune 2032-02-16T16:40:34 K14.63 G17.22 PgRg

ICRS Star Coord at Epoch: 00h 50m 55.73512s +03:47:16.63265s
 RUWE (>1.4 is poor) : 1.02
 K magnitude : 14.632
 G magnitude : 17.220
 RP magnitude : 16.383
 BP magnitude : 17.944
 DUPflag : 0
 Distance (au) : 30.524
 f0 (km) : 0.000
 g0 (km) : 0.000
 skyplane vel. (km/s) : 26.16
 Sun-Target sep (deg) : 46.09
 Sun-Moon sep (deg) : 26.78
 B (ring opening deg) : -14.84
 PA of pole (deg) : -46.44



2032-02-16T16:40:34.9900 ex: 00 50 55.73512 s: +03 47 16.633 C/A 0.2577 PA 336.06 deg v_sky +26.16 km/s D 30.52 AU
 Credit: Styled after SORA/Lucky Star



#	a(km)	ring
1	42000.0	Galle
2	53200.0	LeVerrier
3	55200.0	Lassell
4	57200.0	Arago
5	61953.0	Galatea
6	62933.0	Adams

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

