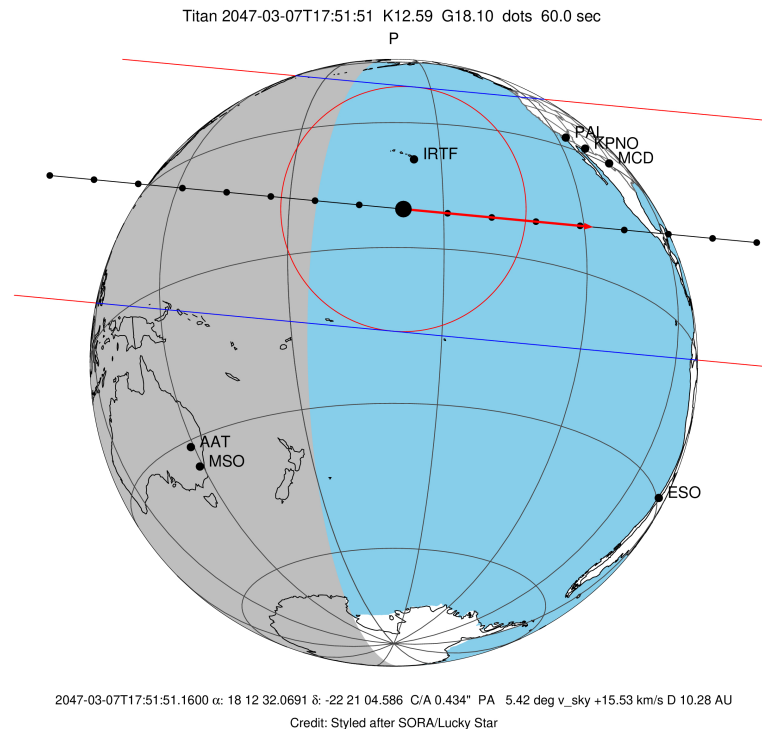


```

target           : Titan
target radius (km) : 2575.15
C/A epoch       : 2047-03-07T17:51:51.160
Event type      : P
: Titan occs: not geocentric or topocentric
: Not a ringed target
Gaia source ID  : 4066727030187213824
2Mass ID (if available) : 18123210-2221039

ICRS Star Coord at Epoch: 18h 12m 32.06906s -22:21:04.58632s
RUWE (>1.4 is poor) : 0.94
K magnitude     : 12.585
G magnitude     : 18.101
RP magnitude    : 16.613
BP magnitude    : 20.099
DUPflag        : 0
Distance (au)   : 10.277
f0 (km)        : 0.00
g0 (km)        : 0.00
skyplane vel. (km/s) : 15.53
Sun-Target sep (deg) : 73.52
Sun-Moon sep (deg) : 163.71
B (ring opening deg) : 26.14
PA of pole (deg) : 5.89
Pole direction: RA (deg): 39.48270
Dec (deg): 83.42790
C/A sky separation (") : 0.436
C/A sky separation (km) : 3246.9
NAIF SPICE kernels : RAJobs_U111+rgf16.spk
    
```



Observable events with sun below -5 deg and altitude above 5 deg

Obs	Location	lat	Elon	Target	Observed Events	Interval	OEncode
PIC	Pic du Midi	42.9	0.1				Pnn
PAL	Palomar Mt (200")	33.4	243.1				Pnn
PMO	Purple Mtn Obs. Nanking	32.1	118.8				Pnn
KPNO	Kitt Peak Natl Obs	32.0	248.4				Pnn
MCD	McDonald Obs. 2.7m	30.7	256.0				Pnn
TEN	Teide Obs./Tenerife	28.3	343.5				Pnn
IRTF	Mauna Kea/IRTF	19.8	204.5				Pnn
KAV	Kavalur Observatory	12.6	78.8				Pnn
RIO	Rio de Janeiro	-22.9	316.8				Pnn
ESO	European Southern Obs. (3.6m)	-29.3	289.3				Pnn
AAT	Siding Spring (AAT)	-31.3	149.1				Pnn
SAAO	So. Afr. Astro. Obs. (Sutherland)	-32.4	20.8				Pnn
MSO	Mt. Stromlo Observatory	-35.3	149.0				Pnn

