

target : Titan
 target radius (km) : 2575.15
 C/A epoch : 2047-09-23T19:02:46.610
 Event type : P
 : Titan occs: not geocentric or topocentric
 : Not a ringed target
 Gaia source ID : 4068927668377483648
 2Mass ID (if available) : 17495687-2232491

ICRS Star Coord at Epoch: 17h 49m 56.86271s -22:32:49.32451s
 RUWE (>1.4 is poor) : 0.99
 K magnitude : 12.353
 G magnitude : 17.131
 RP magnitude : 15.862
 BP magnitude : 18.674
 DUPflag : 0
 Distance (au) : 10.041
 f0 (km) : 0.00
 g0 (km) : 0.00
 skyplane vel. (km/s) : 14.75
 Sun-Target sep (deg) : 87.66
 Sun-Moon sep (deg) : 32.25
 B (ring opening deg) : 26.85
 PA of pole (deg) : 5.47
 Pole direction: RA (deg): 39.48270
 Dec (deg): 83.42790
 C/A sky separation (") : 1.196
 C/A sky separation (km) : 8712.3
 NAIF SPICE kernels : RAJobs_U111+rgf16.spk

Titan 2047-09-23T19:02:46 K12.35 G17.13 dots 60.0 sec
 P



2047-09-23T19:02:46.6100 α: 17 49 56.8627 δ: -22 32 49.325 C/A 1.197" PA 358.57 deg v_sky +14.75 km/s D 10.04 AU
 Credit: Styled after SORA/Lucky Star

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

