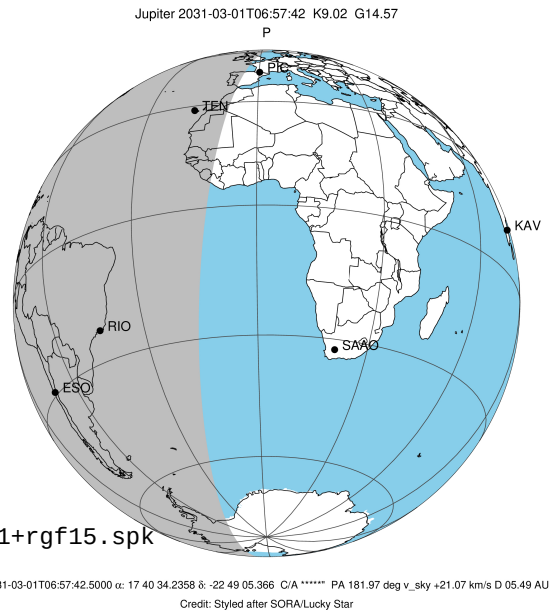
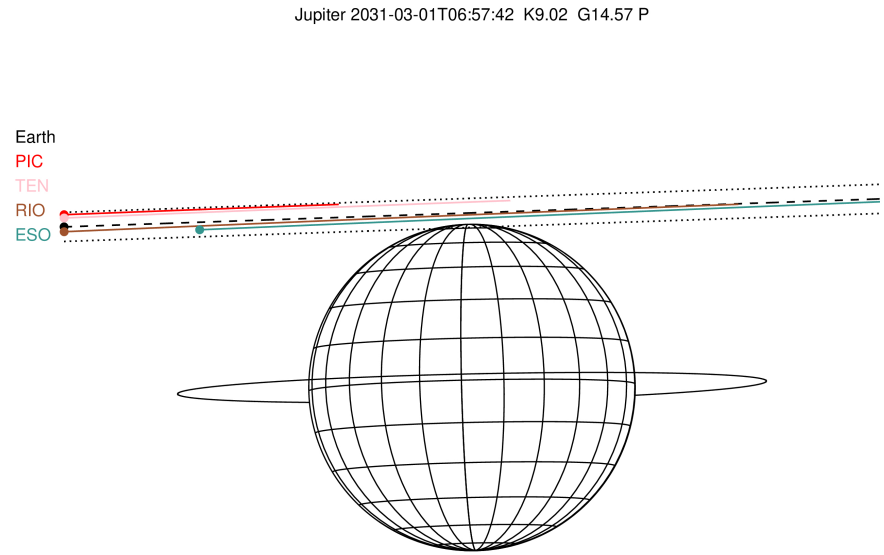
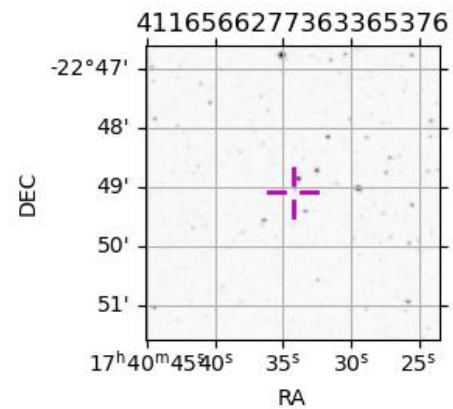
Stellar occultation prediction by rfrench@wellesley.edu Sun Jun 25 08:23:26 2023

target : Jupiter
target radius (km) : 71492.00
C/A epoch : 2031-03-01T06:57:42.500
Event type : P
: Jupiter occs: not geocentric or topocentric
: Not a ringed target
Gaia source ID : 4116566277363365376
2Mass ID (if available) : 17403424-2249052

ICRS Star Coord at Epoch: 17h 40m 34.23584s -22:49:05.36579s
RUWE (>1.4 is poor) : 0.88
K magnitude : 9.024
G magnitude : 14.567
RP magnitude : 13.202
BP magnitude : 16.772
DUPflag : 0
Distance (au) : 5.493
f0 (km) : 0.00
g0 (km) : 0.00
skyplane vel. (km/s) : 21.07
Sun-Target sep (deg) : 74.54
Sun-Moon sep (deg) : 165.85
B (ring opening deg) : -2.66
PA of pole (deg) : 1.26
Pole direction: RA (deg): 268.05701
Dec (deg): 64.49651
C/A sky separation (") : 19.189
C/A sky separation (km) : 76447.7
NAIF SPICE kernels : RAJobs_U111+rgf15.spk
URKALLv1.spk
naif0012.tls
nep097.bsp
nep101.bsp
sat440l.bsp





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

Obs	Location	lat	Elon	Target	Observed Events Interval	OEcode
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