Stellar occultation by the Trojan Asteroid (15094) Polymele

Observation Campaign October 1, 2021 in Spain





TWELVE YEARS, EIGHT ASTEROIDS, ONE SPACECRAFT



Lucy's Launch Period Opens

49 | 19 | 00 | 46

October 16, 2021

The First Mission to the Trojan Asteroids

http://lucy.swri.edu/occ/20211001Polymele.html

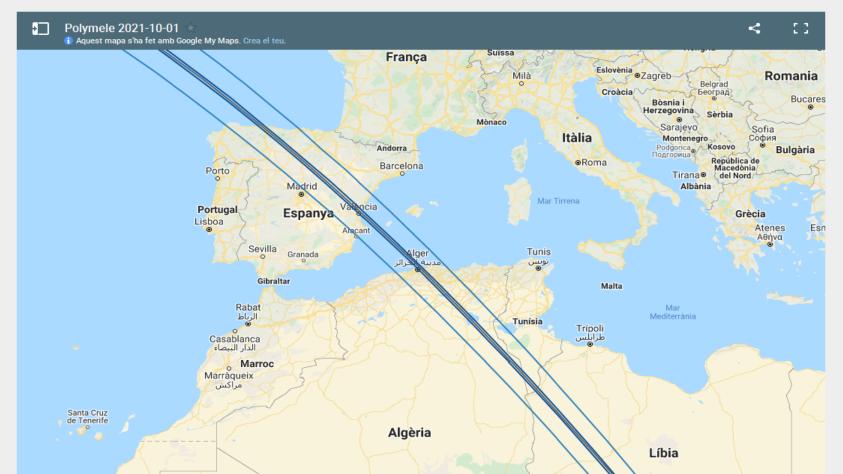




Polymele Occultation 2021-10-01 (G* = 14.6)

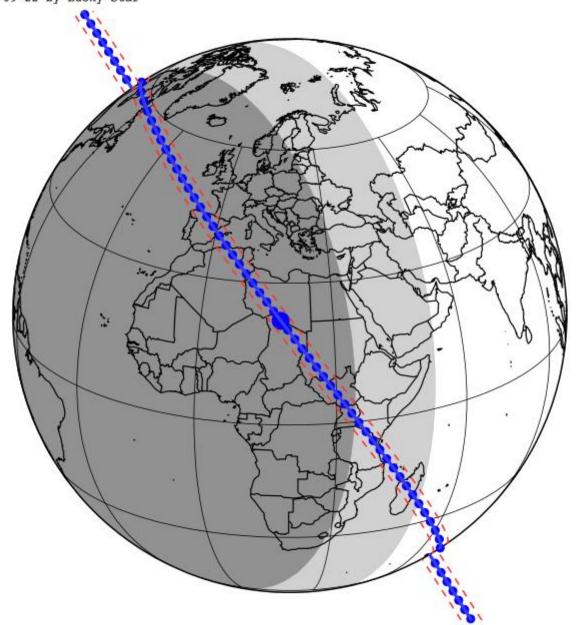
The interactive map below shows our current prediction for the stellar occultation by (15094) Polymele on 2021 October 1 UT. The prediction is based on a Gaia DR2 position for the star, corrected for parallax and proper motion, and the v20200923194353 orbit estimate for Polymele, which has a 1-sigma cross-track uncertainty of 31.9 km.

Geocentric mid-time of the event is 02:21:27 UT. Star position is RA 04:21:15.8, Dec +23:13:24 (J2000), and its magnitude is 15.57. Polymele is moving at 4 km/s with respect to the star and its diameter is estimated to be 21 km, so central chords are expected to last 5.0 seconds.



https://lesia.obspm.fr/luck y-star/occ.php?p=73577

Offset: 0.0mas 0.0mas



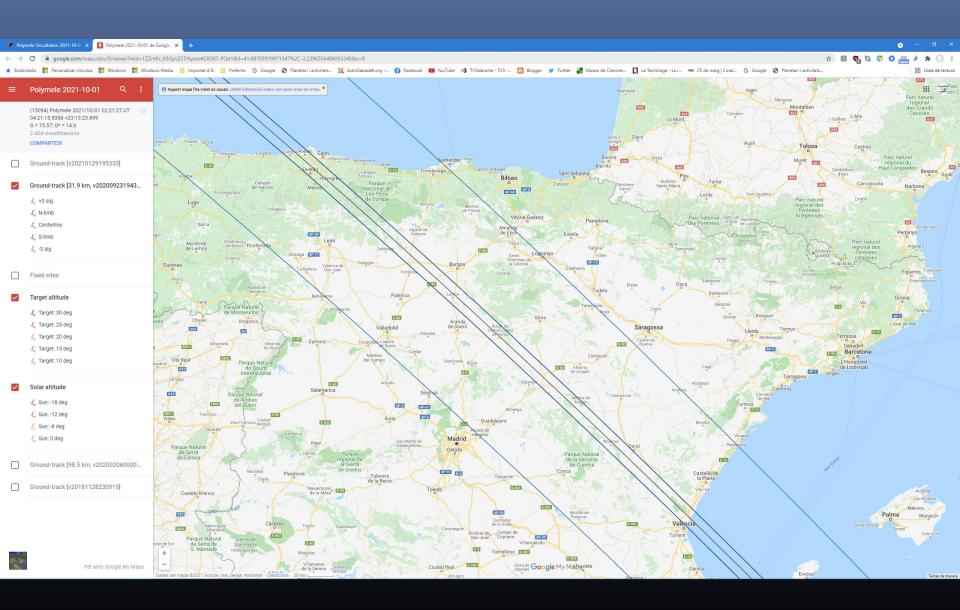
yyyy mm dd hh:mm:ss.s RA_star_J2000 DE_star_J2000 C/A P/A vel Delta G* RP* H* 2021-10-01 02:21:25.9 04 21 15.8356 +23 13 23.899 0.083 237.39 -4.24 4.0914 13.9 13.1 11.6

Observation campaign co-organized by:

Southwest Research Institute (SwRI), Boulder CO (USA)

and

Institute of Space Sciences and Technologies of Asturias (ICTEA), Spain





Observers wanting to join:

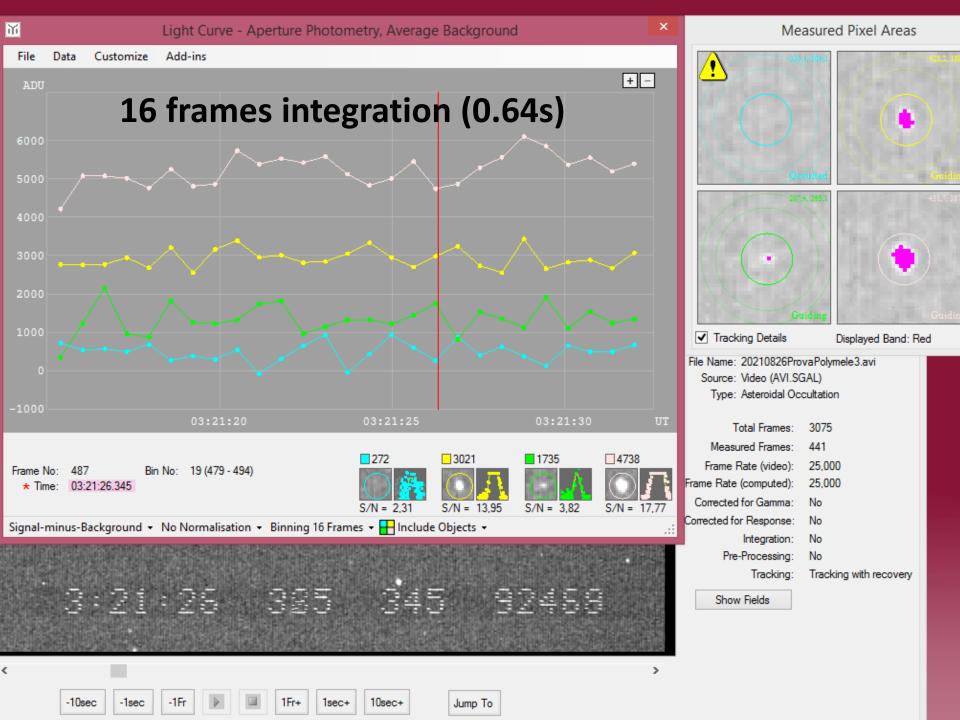
The presented four days scheme

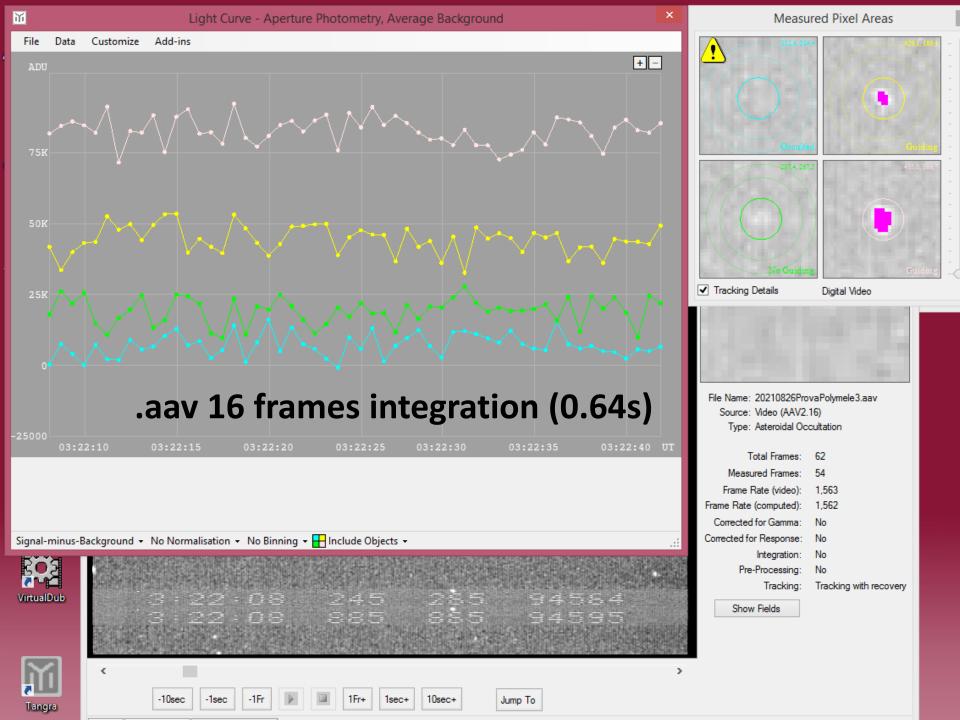
or

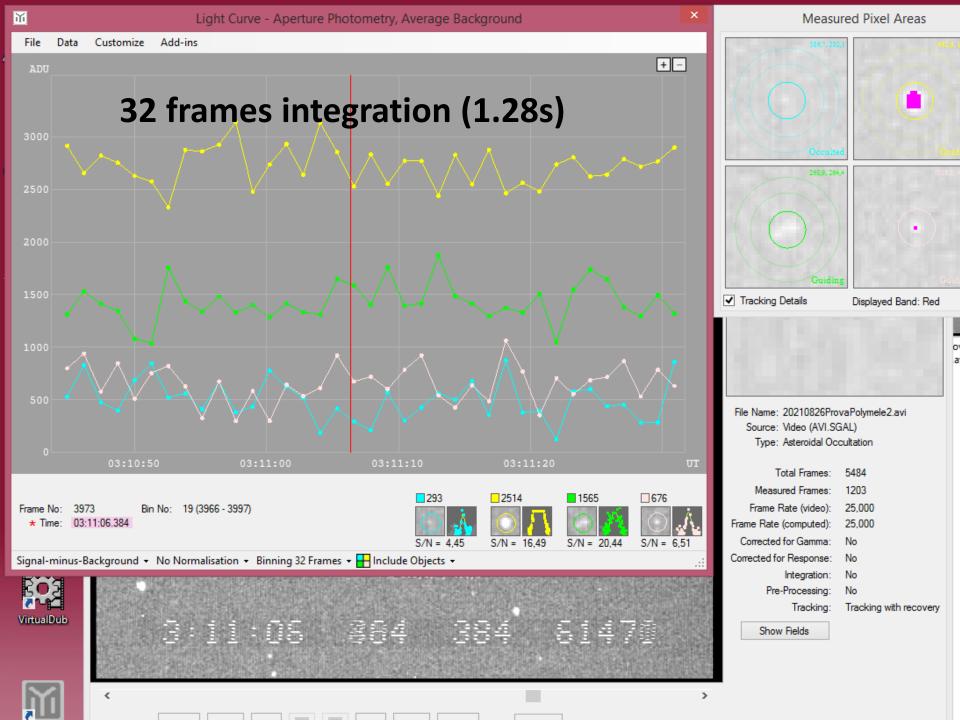
Alternative options

contact me:

presidencia@astrosabadell.org







Thank you for your attention!