

[IOTAoccultations] Upcoming Event (Aug. 19th) by (59980) 1999 SG6 from Southwestern, Central, and Midwest USA July 26, 2025 4:18 PM

Hello all,

Last week, we concluded a successful campaign to observe (for the first time) the spacecraft target asteroid (59980) 1999 SG6. From a total of seven deployed chords, we report at least three positives and two negatives, along with two chords with low SNR (one tentative positive and one tentative negative). The uncertain information from the two noisy chords make future occultations by this asteroid particularly valuable.

Luckily, there is one more event by this asteroid in the next year, which will take place on Aug. 19th, 2025. The star is V mag 14.21 and the event is 0.8 seconds long, so it should be accessible to C11+HyperStar systems and anything larger. We intend to transport at least our 24" Dobsonian to observe from New Mexico, but the drive is quite far so we will likely be unable to field as many telescopes as we could locally. The altitude of the star is at its highest in NM/Mexico, so the further southwest observers can travel, the better the signal will be.

Attached are the maps as generated by Occult4 and seen on OWC (our telescope on OWC is a placeholder). If any observers are within driving distance and would like to contribute their efforts to this event, we would be especially appreciative. Please contact me either here or at my email (teddyoakey@gmail.com or rxr4nd@virginia.edu) if you are interested in participating.

Best,

-Teddy Oakey