January 18th occultation by Didymos at ~06:50 UT

Attached are the Occult plots for the event, to give an idea of where, and the circumstances. The OWC link, from Damya's message, is https://cloud.occultwatcher.net/event/747-65803-103877-649934-U040083 but for the Google map, use the 2nd line, with the JPL#201 orbit, directly at https://cloud.occultwatcher.net/event/747-65803-103877-649934-U040083/Horizons;GaiaEDR3 . Norm, for you, the event will be essentially in the zenith, altitude 87 deg., so if you're using a fork-mounted scope, you will probably need to use a diagonal. The current NWS forecast is for partly cloudy/scattered clouds around Sierra Vista - hope it'll be clear enough.

For Steve Chesley, to prepare the sky-plane diagrams, locations and times near both your and Roger's sites are:

Near Sierra Vista, AZ
Site Long: -110° 20' 50", Lat: +31° 01' 15", Alt: 1710 m
Altitude Star: 87° W, Sun: -77°
Event Mid-Time: 06:59:57 UT

Near Ft Ogden, FL
Site Long: -81° 57' 44", Lat: +27° 04' 36", Alt: 14 m
Altitude Star: 67° W, Sun: -74°
Event Mid-Time: 06:43:27 UT

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On Sat, Jan 14, 2023 at 10:17 AM Roger Venable <rjvmd@progressivetel.com> wrote:

In addition to the Didymos occultations mentioned by David Dunham's recent emails, I am planning on going to south Florida to observe the January 18th occultation. Norm Carlson is planning on being mobile for this event out west. The star is of magnitude 13 so the event is not easy, but the star will be high in the sky and the hour of the night will allow the deployment of more than one telescope. As of this morning, the cloud forecast is pretty good for south Florida on the night of the 17th-18th.

If anyone else is considering observing this event, please let me know, so that Norm and I can coordinate our chords with yours.

Steve -- If you can produce a Dimorphos position for this event -- UT January 18 at 06:43:25 for Florida and 06:59:52 for Arizona -- it may help us position our observing sites.

John -- If you can generate an elevation corrected path using JPL#201, that would be a big help, especially for observers in Arizona.

-- Roger