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**[IOTAoccultations] Digest Number 7266**

1 message

**IOTAoccultations@yahoogroups.com** <IOTAoccultations@yahoogroups.com>

Sun, Jul 8, 2018 at 8:21 PM

Reply-To: No Reply &lt;notify-dg-IOTAoccultations@yahoogroups.com&gt;

To: IOTAoccultations@yahoogroups.com

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open discussion for occultations Group

2 Messages

Digest #7266

1a [Re: Quaoar from College Park, MD](#) by [iotadunham](#)2a [Re: Quaoar from Bonny Doon, CA - a MISS](#) by [rickn27](#)**Messages****1a [Re: Quaoar from College Park, MD](#)**Sun Jul 8, 2018 11:34 am (PDT) . Posted by: [iotadunham](#)

Elizabeth,

One of the charts I saw was from Tangra, showing a relatively bright star circled in yellow at the center, which could be mistaken for the target star.. Yellow in Tangra means it's a comparison star. The target star, circled in turquoise, is fainter and much less distinct, just under the brightest star in the field, 9.9-mag. SAO 161008. The charts that Steve Messner posted for me at <http://www.harvestmoonorchard.com/astro/occultations/Dunham.html> , especially the detailed Google Sky view, locates the star well..

Jerry Bardecker is a RECON observer, and also reported a miss for his site via OW. We have miss reports on OW now from northern Montana to Santa Fe, NM, so I'm afraid the actual path passed north of all our (and RECON's) observers; no positive reports so far. The southernmost observers, in Georgia and s. Arizona, were clouded out.

David

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You wrote:

I gotta wonder how many may have also mis-identified the star... Flipping charts this way and that a way, this asterism, that one...

And since I had to use a longer exposure, lost some of the time resolution. If we were at the edge, 2 sec exposures are probably too long, but those were the shortest I could take... And now realizing I was adjusting for the wrong star, if I had adjusted settings for the correct one, I probably would have ended up doing 3s exposures... It really was at our limits.

Any reports from some of the RECON observers?

Elizabeth

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## 2a **Re: Quaoar from Bonny Doon, CA - a MISS**

Sun Jul 8, 2018 3:53 pm (PDT) . Posted by: [rickn27](#)

I've run my video through LiMovie, several times to finally get a good record that isn't compromised by light from the nearby  $v=10.2$  star and linked tracking tweaked to also insure the same. The signal from the star is target star, at 1 sec integrations ( $64x = 32$  frames for Watec 910hx), using only an 8" scope with f/3.3 reducer. There are perhaps a dozen or more integrations that were at zero intensity, and only one spot in the entire 35 minutes of recording in which there was 2 consecutive integrations at zero intensity. But given the number of single integrations at zero and the faintness of the star and nearby neighbor, I think my data is best interpreted as a miss, and no moons or satellites either. I was about 9 miles north of Santa Cruz, CA. I made a web page with the light curves, and if any other observations suggest there might be value in the csv light curve data saved.

<http://www.cabrillo.edu/~rnolthenius/events/20180707Quaoar/index.html> <http://www.cabrillo.edu/~rnolthenius/events/20180707Quaoar/index.html>

Richard Nolthenius

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