

(120029) 2003AD60 occults UCAC4 598-030560 on 2025 Mar 23 from 10h40m to 10h54m UT

Katsumasa Hosoi / Miharu, Fukushima

\*\*\*\*\* Asteroid occultation Report \*\*\*\*\*

[Date ] 2025. 3.23 [Approx hour] 10.8  
[Star ] UCAC4 598-030560 VMag=13.61 RMag=12.99  
[Asteroid ] (120029)2003 AD60 20.30 mag.

[Observer ] 1: Katsumasa Hosoi 2:  
[Location ] Miharu, Fukushima, JP  
[Longitude ] 140o26'04.2" E  
[Latitude ] 37o25'36.7" N  
[Altitude ] 274m  
[Datum ] WGS84

[Event time] D: 10h48m58.084s +/- 0.027s (UTC) S/N=4.43  
R: 10h48m58.367s +/- 0.044s (UTC) S/N=3.38  
[Predicted Time error] 0.168 sec [RUWE] 1.05

[Recorded ] From 10h47m0s  
To 10h51m20s

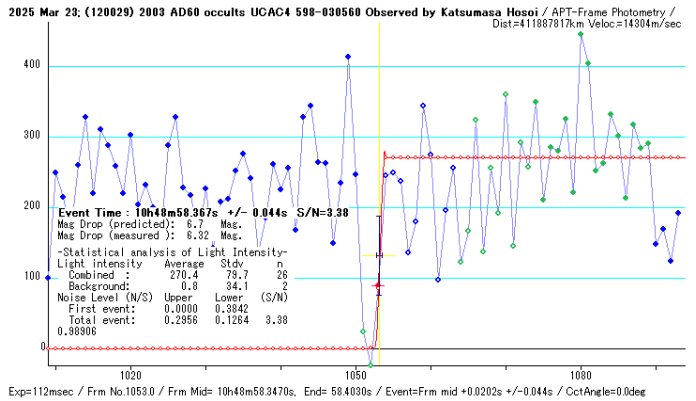
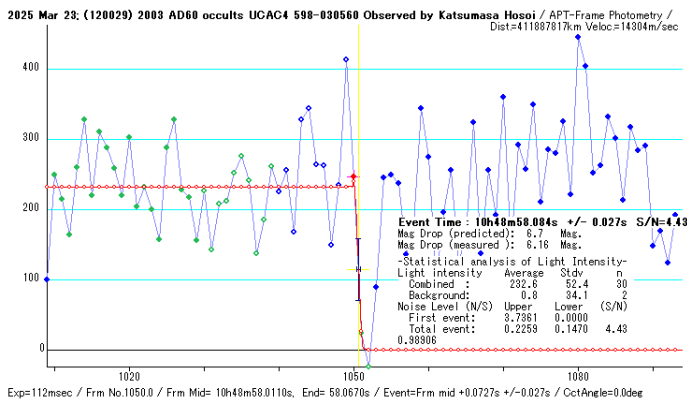
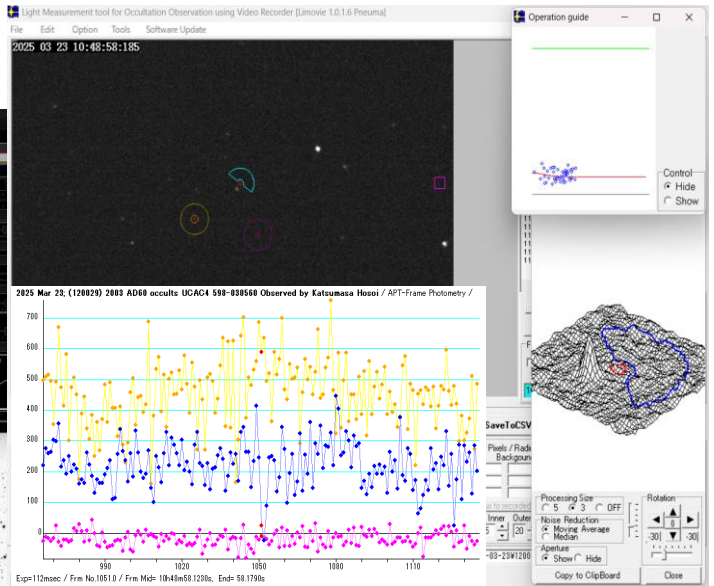
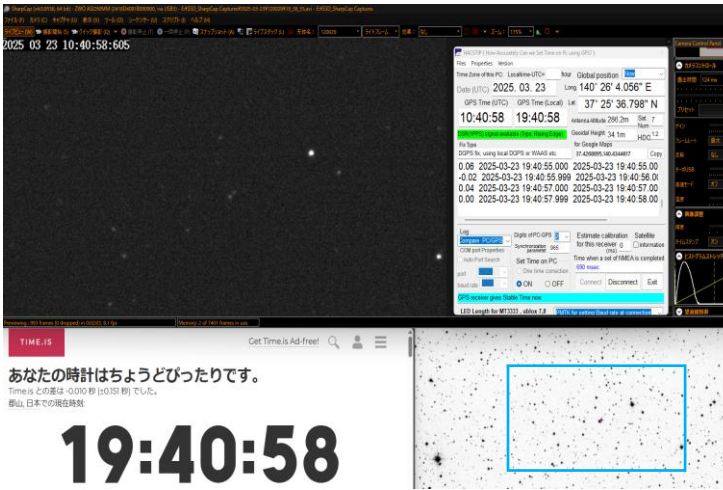
[Mag. drop] D: Measured: Mag Drop (measured): 6.16 Mag. ;  
Predicted: Mag Drop (predicted): 6.7 Mag.  
R: Measured: Mag Drop (measured): 6.32 Mag. ;  
Predicted: Mag Drop (predicted): 6.7 Mag.

[Telescope ] Aperture: 25cm Type: Newtonian F=4.0  
[Camera ] Analog or Digital video , Model= ASI290MM  
[Exposure ] Set: 112.0msec, Measure: 112msec  
[Setting ] Area: 1280x680 ; Binning=2  
Gain: 460 ; Brightness: 130 ; High Speed Mode: Off  
[Time keep ] GPS ; Model: GHS-OSD  
[Evidence ] GPS Time Log : Recorded ; Screen shot: Recorded

[Condition ] Stability: Slight flickering Transparency: Clear  
[Remarks ]

[Additional comment]

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<R>10 48 58.367|R|0.044||| </R>
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