

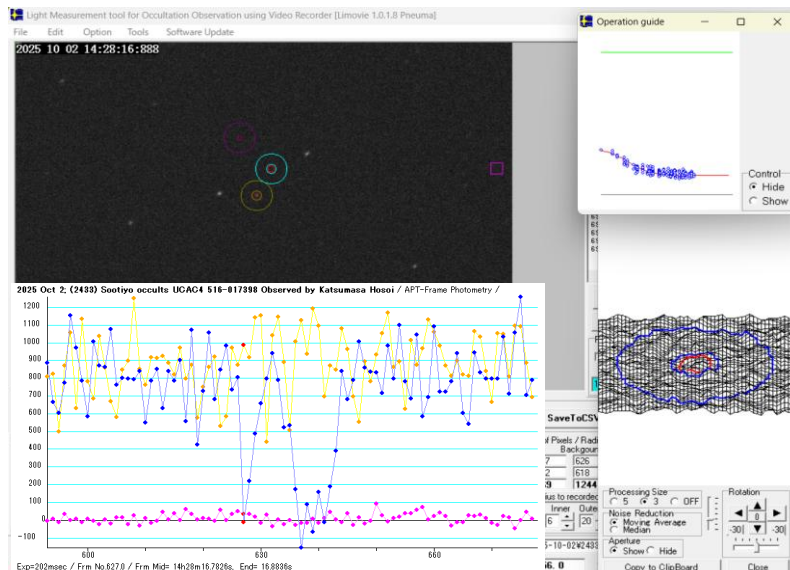
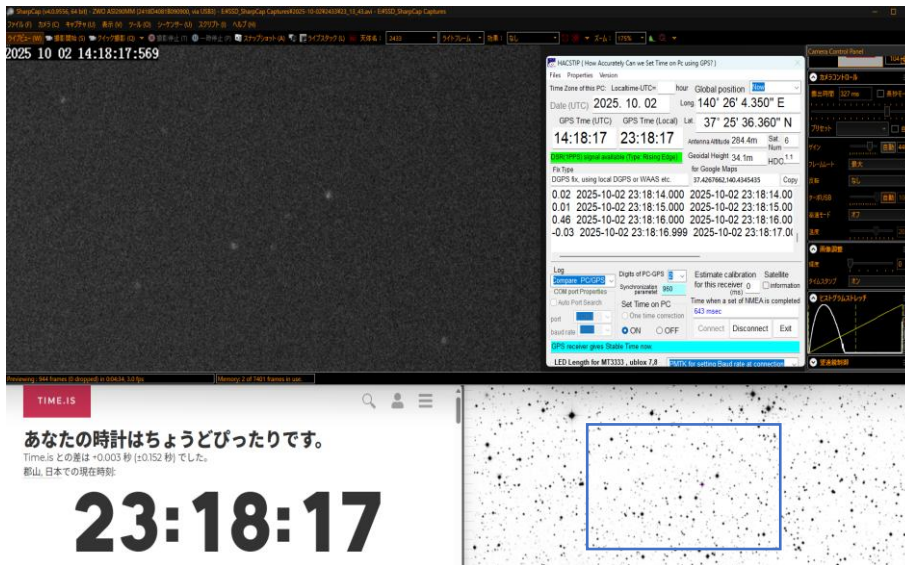
(2433) Sootiyo occults UCAC4 516-017398 on 2025 Oct 2 from 14h28m to 14h50m UT

Katsumasa Hosoi / Miharu, Fukushima

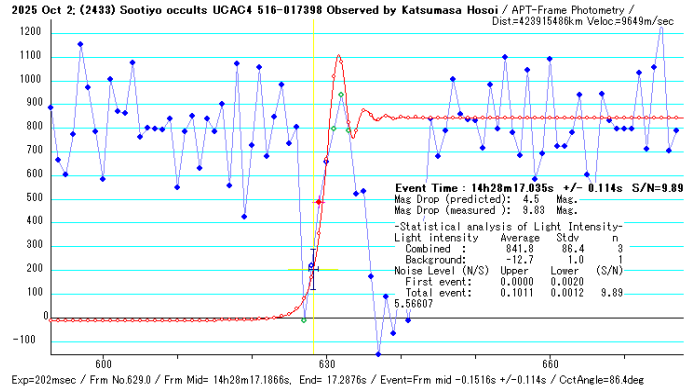
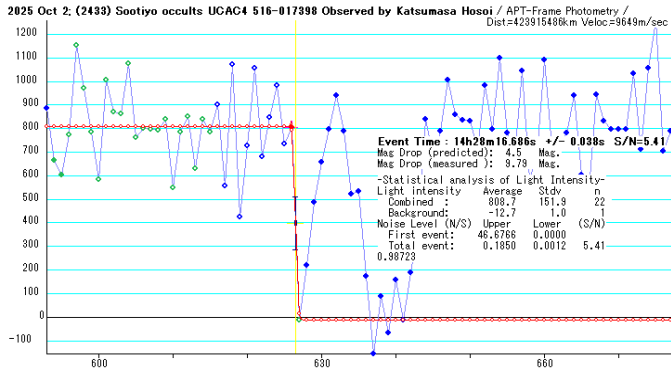
***** Asteroid occultation Report *****

[Date] 2025.10.2 [Approx hour] 14.6
[Star] UCAC4 516-017398 VMag=12.90 RMag=12.40
[Asteroid] (2433)Sootiyo 17.35 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: 14h28m16.686s +/- 0.038s (UTC) S/N=5.41 Ctt=12.6
R: 14h28m17.035s +/- 0.114s (UTC) S/N=9.89 Ctt=86.4
D: 14h28m18.453s +/- 0.130s (UTC) S/N=7.87 Ctt=86.1
R: 14h28m19.965s +/- 0.084s (UTC) S/N=5.27 Ctt=81.4
[Predicted Time error] 0.170 sec [RUWE] 1.40
[Recorded] From 14h26m10s
To 14h30m30s
[Mag. drop] D: Measured: Mag Drop (measured): 9.79 Mag. ;
Predicted: Mag Drop (predicted): 4.5 Mag. ;
R: Measured: Mag Drop (measured): 9.83 Mag. ;
Predicted: Mag Drop (predicted): 4.5 Mag. ;
D: Measured: Mag Drop (measured): 3.27 Mag. ;
Predicted: Mag Drop (predicted): 4.5 Mag. ;
R: Measured: Mag Drop (measured): 3.24 Mag. ;
Predicted: Mag Drop (predicted): 4.5 Mag. ;
[Telescope] Aperture: 25cm Type: Newtonian F=4.0
[Camera] Analog or Digital video, Model= ASI290MM
[Exposure] Set: 202.0msec, Measure: 202msec
[Setting] Area: 1280x680 ; Binning=2
Gain: 440 ; Brightness: 90 ; High Speed Mode: Off
[Time keep] GPS ; Model: GHS-OSD
[Evidence] GPS Time Log : Recorded ; Screen shot: Recorded
[Condition] Stability: Slight flickering Transparency: Thin cloud <2
[Remarks] Occulted twice
[Additional comment]

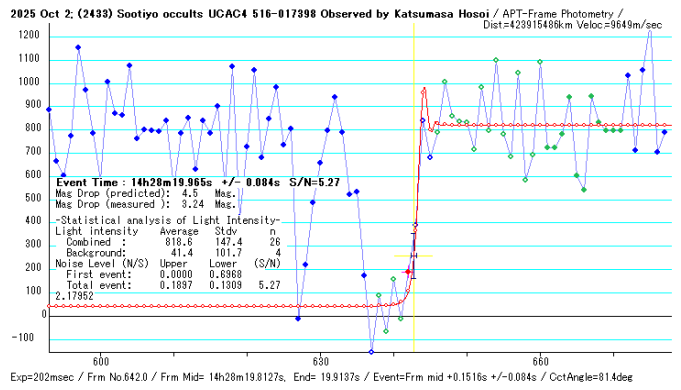
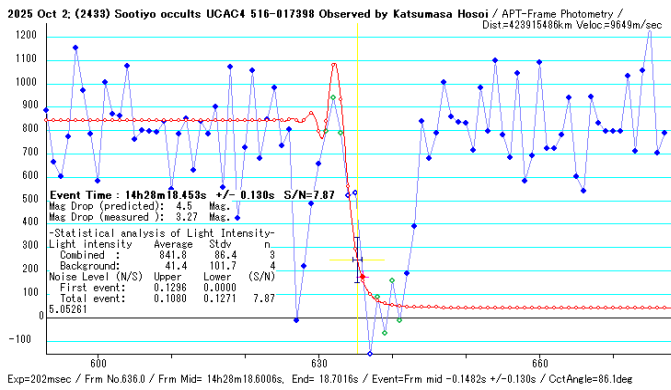
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+140 26 04.2|+37 25 36.7|274| |25|2|ala</ID>
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<R>14 28 19.965|R|0.084||| </R>
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<ID>1



<ID>2



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