

(31659) 1999HT10 occults UCAC4 574-008550 on 2025 Nov 28 from 17h39m to 17h54m UT

Katsumasa Hosoi / Miharu, Fukushima

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

[Date ] 2025.11.28 [Approx hour] 17.8  
 [Star ] UCAC4 574-008550 VMag=13.34 RMag=12.45  
 [Asteroid ] (31659)1999 HT10 18.40 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: 17h41m24.672s +/- 0.032s (UTC) S/N=5.18  
 R: 17h41m25.537s +/- 0.030s (UTC) S/N=5.52  
 [Predicted Time error] 0.262 sec [RUWE] 1.05

[Recorded ] From 17h39m15s  
 To 17h43m35s

[Mag. drop] D: Measured: Mag Drop (measured): 4.48 Mag. ;  
 Predicted: Mag Drop (predicted): 5.1 Mag.  
 R: Measured: Mag Drop (measured): 3.40 Mag. ;  
 Predicted: Mag Drop (predicted): 5.1 Mag.

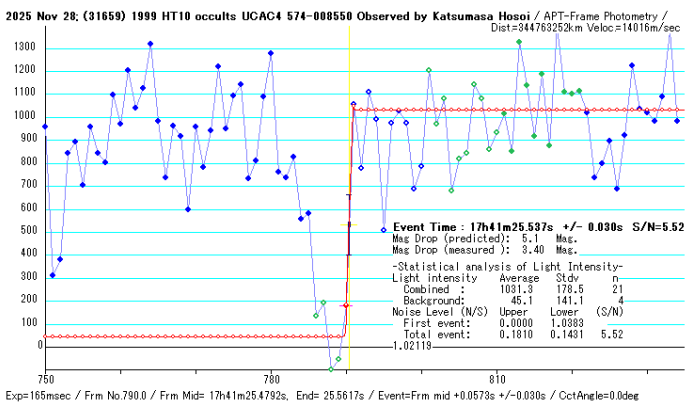
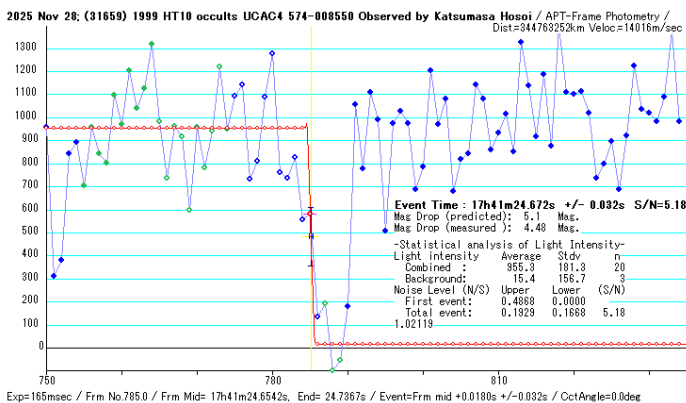
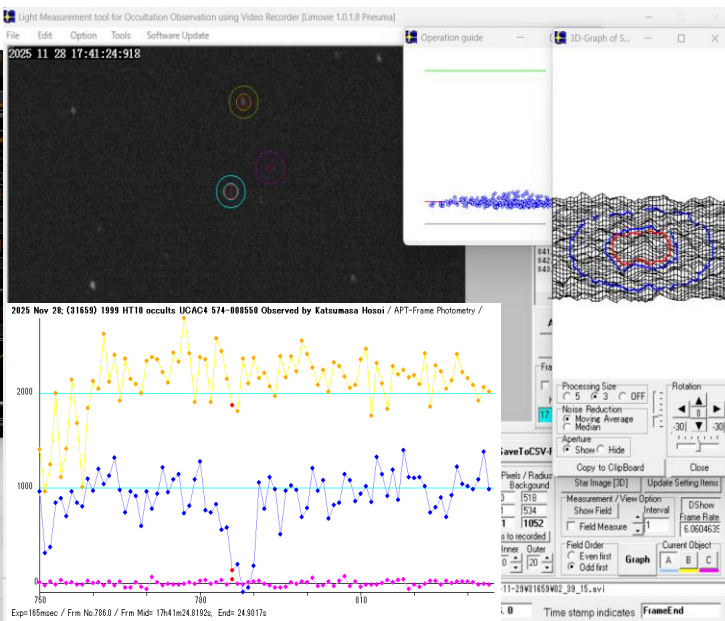
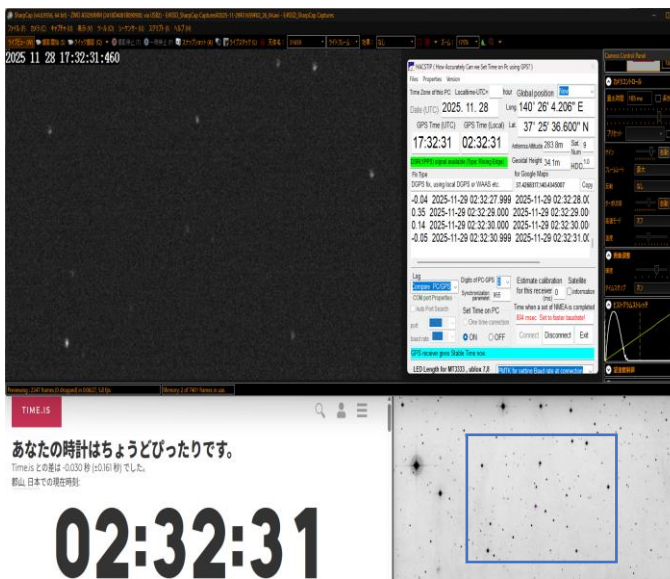
[Telescope ] Aperture: 25cm Type: Newtonian F=4.0  
 [Camera ] Analog or Digital video, Model= ASI290MM  
 [Exposure ] Set: 165.0msec, Measure: 165msec  
 [Setting ] Area: 1280x680 ; Binning=2  
 Gain: 470 ; Brightness: 160 ; High Speed Mode: Off  
 [Time keep ] GPS ; Model: GHS-OSD  
 [Evidence ] GPS Time Log : Recorded ; Screen shot: Recorded

[Condition ] Stability: Strong flickering Transparency: Thin cloud <2  
 [Remarks ]

[Additional comment]

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