

(693) Zerbinita occults UCAC4 448-140333 on 2025 Oct 2 from 12h14m to 12h28m UT

Katsumasa Hosoi / Miharu, Fukushima

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

[Date ] 2025.10. 2 [Approx hour] 12.4  
 [Star ] UCAC4 448-140333 VMag=11.94 RMag=11.08  
 [Asteroid ] (693)Zerbinita 13.76 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: 12h22m27.831s +/- 0.011s (UTC) S/N=13.49  
 R: 12h22m33.493s +/- 0.013s (UTC) S/N=10.97  
 [Predicted Time error] 0.280 sec [RUWE] 1.05

[Recorded ] From 12h20m20s  
 To 12h24m40s

[Mag. drop ] D: Measured: Mag Drop (measured): 1.99 Mag. ;  
 Predicted: Mag Drop (predicted): 2.0 Mag.  
 R: Measured: Mag Drop (measured): 1.99 Mag. ;  
 Predicted: Mag Drop (predicted): 2.0 Mag.

[Telescope ] Aperture: 25cm Type: Newtonian F=4.0  
 [Camera ] Analog or Digital video , Model= ASI290MM  
 [Exposure ] Set: 124.0msec, Measure: 124msec  
 [Setting ] Area: 1280x680 ; Binning=2  
 Gain: 400 ; Brightness: 90 ; High Speed Mode: Off  
 [Time keep ] GPS ; Model: GHS-OSD  
 [Evidence ] GPS Time Log : Recorded ; Screen shot: Recorded

[Condition ] Stability: Steady Transparency: Clear  
 [Remarks ]

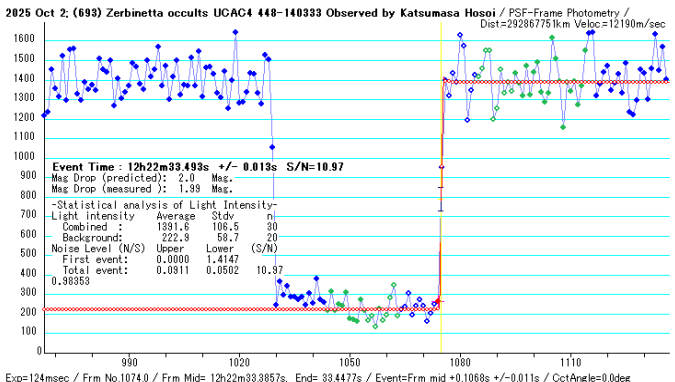
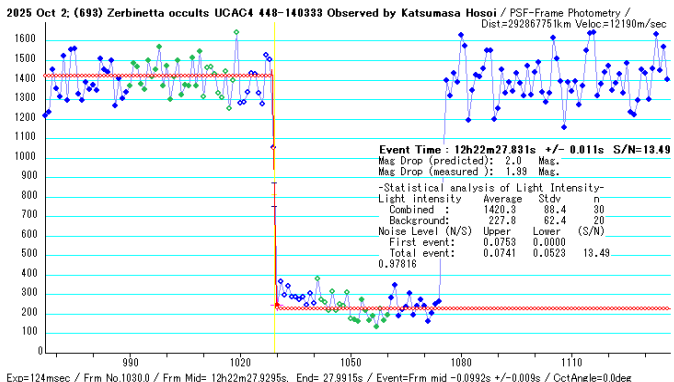
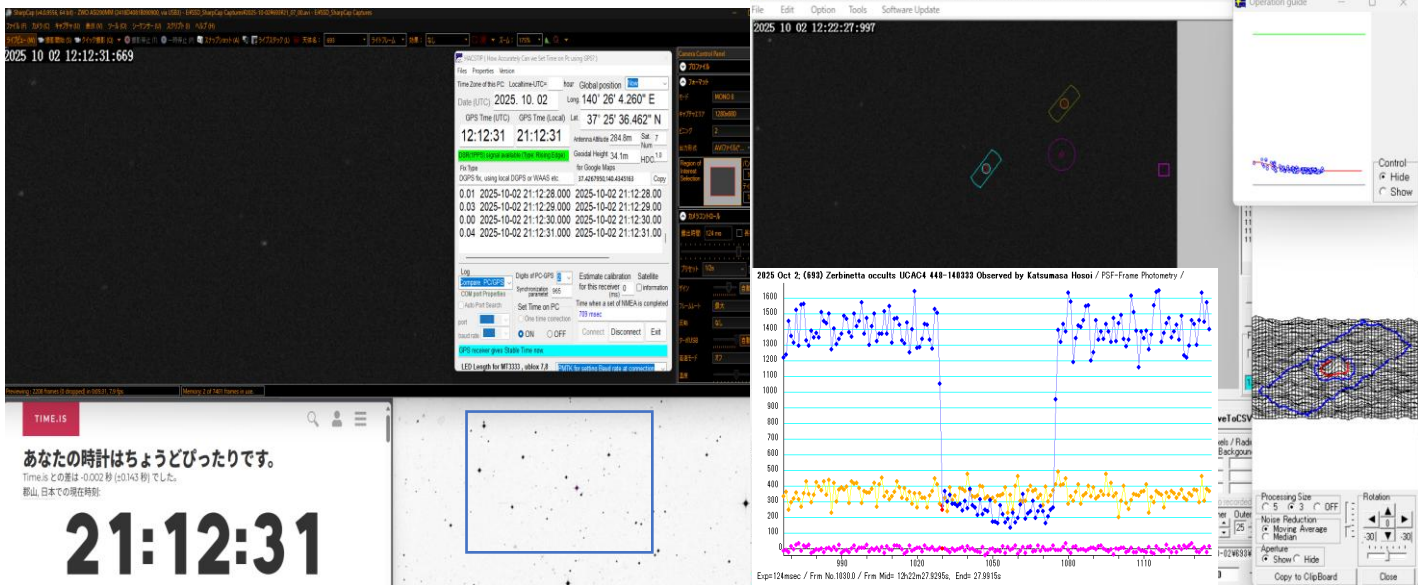
[Additional comment]

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