

(33858) 2000HG78 occults UCAC4 486-038355 on 2025 Nov 21 from 14h24m to 14h40m UT

Katsumasa Hosoi / Miharu, Fukushima

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

[Date ] 2025.11.21 [Approx hour] 14.5  
 [Star ] UCAC4 486-038355 VMag=14.09 RMag=13.54  
 [Asteroid ] (33858)2000 HG78 18.70 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: 14h29m53.259s +/- 0.348s (UTC) S/N=6.00 Ctt=87.9  
 R: 14h29m54.885s +/- 0.082s (UTC) S/N=4.46 Ctt=7.7  
 [Predicted Time error] 0.326 sec [RUWE] 1.05

[Recorded ] From 14h27m46s  
 To 14h32m5s

[Mag. drop] D: Measured: Mag Drop (measured): 4.37 Mag. ;  
 Predicted: Mag Drop (predicted): 4.6 Mag. ;  
 R: Measured: Mag Drop (measured): 4.27 Mag. ;  
 Predicted: Mag Drop (predicted): 4.6 Mag.

[Telescope] Aperture: 25cm Type: Newtonian F=4.0  
 [Camera ] Analog or Digital video, Model= ASI290MM  
 [Exposure ] Set: 338.0msec, Measure: 338msec  
 [Setting ] Area: 1280x680 ; Binning=2  
 Gain: 440 ; Brightness: 120 ; 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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