

(46892) 1998RJ51 occults UCAC4 559-025785 on 2025 Jan 23 from 13h20m to 13h45m UT

Katsumasa Hosoi / Miharu, Fukushima

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

[Date ] 2025.1.23 [Approx hour] 13.5  
 [Star ] UCAC4 559-025785 VMag=13.06 RMag=12.63  
 [Asteroid ] (46892)1998 RJ51 19.44 mag.

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

[Event time] D: 13h30m18.923s +/- 0.030s (UTC) S/N=8.11  
 R: 13h30m19.467s +/- 0.060s (UTC) S/N=4.43  
 [Predicted Time error] 83.790 sec [RUWE] 0.95

[Recorded ] From 13h28m10s  
 To 13h32m30s

[Mag. drop ] D: Measured: Mag Drop (measured): 1.52 Mag. ;  
 Predicted: Mag Drop (predicted): 6.4 Mag.  
 R: Measured: Mag Drop (measured): 0.94 Mag. ;  
 Predicted: Mag Drop (predicted): 6.4 Mag.

[Telescope ] Aperture: 25cm Type: Newtonian F=4.0  
 [Camera ] Analog or Digital video, Model= ASI290MM  
 [Exposure ] Set: 246.0msec, Measure: 246msec  
 [Setting ] Area: 1280x680 ; Binning=2  
 Gain: 440 ; Brightness: 105 ; 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 ]

[Additional comment]

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