

# Asteroid Occultation Report

Observation was: Positive    Takeshi Nemoto    Email: nemoto00@juno.ocn.ne.jp

[Date ] 2025.11. 3 [Approx hour] 14.0  
 [Star ] UCAC4 523-000537 VMag=12.88  
 RMag=12.38  
 [Asteroid ] (134)Sophrisyne 12.28 mag.  
 Dia=104.9±5.2km Main-belt Asteroid

[Observer ] 1: Takeshi Nemoto 2:  
 [Location ] Tokorozawa, Saitama, JP  
 [Longitude ] 139o28'31.8" E  
 [Latitude ] 35o48'3.1" N  
 [Altitude ] 72m  
 [Datum ] WGS84

[Event time] D: 13h52m43.044s +/- 0.028s (UTC)  
 S/N=3.04  
 R: 13h52m53.027s +/- 0.026s (UTC)  
 S/N=3.33  
 [Predicted Time error] 0.635 sec [RUWE] 1.15

[Recorded ] From 13h52m39s  
 To 13h54m36s

[Mag. drop ] D: Measured: Mag Drop (measured):  
 0.42 Mag. ; Predicted: Mag Drop (predicted): 0.5  
 Mag.  
 R: Measured: Mag Drop (measured):  
 0.47 Mag. ; Predicted: Mag Drop (predicted): 0.5  
 Mag.

[Telescope ] Aperture: 25cm Type: Newtonian  
 F=2.5  
 [Camera ] Analog or Digital video , Model=  
 ASI290MM  
 [Exposure ] Set: 39.9msec, Measure: 39.9msec  
 [Setting ] Area: 1280x548 ; Binning=2  
 Gain: 440 ; Brightness: 96 ; High  
 Speed Mode: Off  
 [Time keep ] GPS ; Model: GT902MGG  
 [Evidence ] GPS Time Log : Recorded ; Screen  
 shot: Recorded

[Condition ] Stability: Slight flickering  
 Transparency: Clear  
 [Remarks ]

[Additional comment]

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