

# Asteroid Occultation Report

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

[Date ] 2025.11.22 [Approx hour] 14.8  
 [Star ] UCAC4 557-015663 VMag=14.54  
 RMag=13.71  
 [Asteroid ] (983)Gunila 14.69 mag.  
 Dia=84.7±4.2km Main-belt Asteroid

[Observer ] 1: Takeshi Nemoto 2:  
 [Location ] Tokorozawa, Saitama, JP  
 [Longitude ] 139o28'33.1" E  
 [Latitude ] 35o48'03.7" N  
 [Altitude ] 71m  
 [Datum ] WGS84

[Event time] D: 14h47m08.252s +/- 0.233s (UTC)  
 S/N=2.40  
 R: 14h47m13.002s +/- 0.237s (UTC)  
 S/N=2.38  
 [Predicted Time error] 0.300 sec [RUWE] 0.95

[Recorded ] From 14h45m29s  
 To 14h48m29s

[Mag. drop ] D: Measured: Mag Drop (measured):  
 0.61 Mag. ; Predicted: Mag Drop (predicted): 0.8  
 Mag.  
 R: Measured: Mag Drop (measured):  
 0.61 Mag. ; Predicted: Mag Drop (predicted): 0.8  
 Mag.

[Telescope ] Aperture: 25cm Type: Newtonian  
 F=2.5  
 [Camera ] Analog or Digital video , Model=  
 ASI290MM  
 [Exposure ] Set: 246.0msec, Measure: 246msec  
 [Setting ] Area: 968x548 ; Binning=2  
 Gain: 450 ; Brightness: 0 ; High Speed  
 Mode: Off  
 [Time keep ] GPS ; Model: GT902MGG  
 [Evidence ] GPS Time Log : Recorded ; Screen  
 shot: Recorded

[Condition ] Stability: Slight flickering  
 Transparency: Thin cloud >2  
 [Remarks ]

[Additional comment]

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