

# Asteroid Occultation Report Observation was: Positive Takeshi Nemoto Email: nemoto00@juno.ocn.ne.jp

[Date ] 2025. 3.11 [Approx hour] 12.5  
 [Star ] Tycho2 1854-00899-1 VMag=10.22  
 RMag=9.25  
 [Asteroid ] (65803)Didymos 20.64 mag.  
 Size=851x849x620m±15m Mean765±15m  
 Fresnel Number2.20 Apollo

[Observer ] 1: Takeshi Nemoto 2:  
 [Location ] Iwanuma,Miyagi, JPN  
 [Longitude ] 140o55'8.7" E  
 [Latitude ] 38o6'47.5" N  
 [Altitude ] 1m  
 [Datum ] WGS84

[Event time] D: 12h35m51.976s +/- 0.003s (UTC)  
 S/N=4.47

R: 12h35m52.002s +/- 0.003s (UTC)

S/N=5.44

[Predicted Time error] 0.021 sec [RUWE] 0.95

[Recorded ] From 12h34m25s  
 To 12h37m25s

[Mag. drop ] D: Measured: Mag Drop (measured ):  
 2.42 Mag. ; Predicted: Mag Drop (predicted): 10.4  
 Mag. [for fitting]

R: Measured: Mag Drop (measured ): 2.39

Mag. ; Predicted: Mag Drop (predicted): 10.4 Mag. [for fitting]

[Telescope ] Aperture: 25cm Type: Newtonian F=2.5

[Camera ] Analog or Digital video , Model=  
 ASI290MM

[Exposure ] Set: 14.3msec, Measure: 14.3msec

[Setting ] Area: 800x480 ; Binning=2  
 Gain: 440 ; Brightness: 140 ; High Speed

Mode: Off

[Time keep ] GPS ; Model: GT902MGG

[Evidence ] GPS Time Log : Recorded ; Screen shot:  
 Recorded

[Condition ] Stability: Steady Transparency: Clear

[Remarks ]

[Additional comment]

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