

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

[Date ] 2025. 3.23 [Approx hour] 18.6  
 [Star ] UCAC4 327-133694 VMag=13.46  
 RMag=12.31  
 [Asteroid ] (106)Dione 14.05 mag,  
 Dia=167±9.4km Main-belt Asteroid

[Observer ] 1: Takeshi Nemoto 2:  
 [Location ] Sagamihara, Kanagawa, JP  
 [Longitude ] 139o20'12.6" E  
 [Latitude ] 35o32'18.1" N  
 [Altitude ] 45m  
 [Datum ] WGS84

[Event time] D: 18h31m20.668s +/- 0.099s (UTC)  
 S/N=5.08  
 R: 18h31m25.524s +/- 0.163s (UTC)  
 S/N=3.69  
 [Predicted Time error] 0.563 sec [RUWE] 1.45

[Recorded ] From 18h29m49s  
 To 18h32m48s

[Mag. drop ] D: Measured: Mag Drop (measured ):  
 1.13 Mag. ; Predicted: Mag Drop (predicted): 1.1  
 Mag. [for fitting]  
 R: Measured: Mag Drop (measured ):  
 0.78 Mag. ; Predicted: Mag Drop (predicted): 1.1 Mag. [for fitting]

[Telescope ] Aperture: 25cm Type: Newtonian F=3.1  
 [Camera ] Analog or Digital video , Model=ASI290MM  
 [Exposure ] Set: 490.0msec, Measure: 490msec  
 [Setting ] Area: 1600x548 ; Binning=2  
 Gain: 355 ; Brightness: 0 ; 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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