

Asteroid Occultation Report

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

[Date] 2025. 5. 4 [Approx hour] 15.2
 [Star] UCAC4 429-067615 VMag=13.82
 RMag=12.91
 [Asteroid] (801)Helwerthia 15.64 mag,
 Dia=33.8±1.8km Main-belt Asteroid

[Observer] 1: Takeshi Nemoto 2:
 [Location] Takahagi, Ibaraki, JP
 [Longitude] 140o41'41.8" E
 [Latitude] 36o41'56.2" N
 [Altitude] 55m
 [Datum] WGS84

[Event time] D: 15h21m02.416s +/- 0.058s (UTC)
 S/N=8.50
 R: 15h21m05.978s +/- 0.067s (UTC)
 S/N=7.31
 [Predicted Time error] 0.145 sec [RUWE] 1.00

[Recorded] From 15h20m3s
 To 15h23m2s

[Mag. drop] D: Measured: Mag Drop (measured):
 1.56 Mag. ; Predicted: Mag Drop (predicted): 2.0
 Mag.
 R: Measured: Mag Drop (measured):
 1.55 Mag. ; Predicted: Mag Drop (predicted): 2.0 Mag.

[Telescope] Aperture: 25cm Type: Newtonian F=3.1
 [Camera] Analog or Digital video , Model=
 ASI290MM
 [Exposure] Set: 490.0msec, Measure: 490msec
 [Setting] Area: 1448x548 ; Binning=2
 Gain: 450 ; Brightness: 115 ; 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]

