

Asteroid Occultation Report

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

[Date] 2025.11.18 [Approx hour] 15.7
 [Star] UCAC4 639-028455 VMag=12.53
 RMag=11.93
 [Asteroid] (83826)2001 UW20 18.01 mag,
 Dia=11.4±1.2km Main-belt Asteroid

[Observer] 1: Takeshi Nemoto 2:
 [Location] Tama, Tokyo, JP
 [Longitude] 139o27'34.8" E
 [Latitude] 35o38'58.6" N
 [Altitude] 50m
 [Datum] WGS84

[Event time] D: 15h43m04.441s +/- 0.006s (UTC)
 S/N=14.10
 R: 15h43m06.208s +/- 0.008s (UTC)
 S/N=12.10
 [Predicted Time error] 0.539 sec [RUWE] 1.00

[Recorded] From 15h41m31s
 To 15h44m31s

[Mag. drop] D: Measured: Mag Drop (measured):
 3.30 Mag. ; Predicted: Mag Drop (predicted): 5.5
 Mag.
 R: Measured: Mag Drop (measured):
 3.31 Mag. ; Predicted: Mag Drop (predicted): 5.5
 Mag.

[Telescope] Aperture: 25cm Type: Newtonian
 F=2.5
 [Camera] Analog or Digital video , Model=
 ASI290MM
 [Exposure] Set: 91.5msec, Measure: 91.5msec
 [Setting] Area: 968x548 ; Binning=2
 Gain: 450 ; Brightness: 113 ; 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]

