

Asteroid Occultation Report

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

[Date] 2025. 8.20 [Approx hour] 12.9
 [Star] UCAC4 464-125018 VMag=12.36
 RMag=11.91
 [Asteroid] (37994)1998 KV12 18.30 mag.
 Dia=4.7±0.4km Main-belt Asteroid

[Observer] 1: Takeshi Nemoto 2:
 [Location] Fujisawa, Kanagawa, JPN
 [Longitude] 139o27'22.3" E
 [Latitude] 35o21'40.9" N
 [Altitude] 9m
 [Datum] WGS84

[Event time] D: 12h53m32.538s +/- 0.008s (UTC)
 S/N=7.68
 R: 12h53m33.086s +/- 0.008s (UTC)
 S/N=7.58
 [Predicted Time error] 0.186 sec [RUWE] 0.85

[Recorded] From 12h52m1s
 To 12h55m1s

[Mag. drop] D: Measured: Mag Drop (measured):
 4.37 Mag. ; Predicted: Mag Drop (predicted): 5.9
 Mag.
 R: Measured: Mag Drop (measured):
 4.41 Mag. ; Predicted: Mag Drop (predicted): 5.9
 Mag.

[Telescope] Aperture: 25cm Type: Newtonian
 F=3.1

[Camera] Analog or Digital video , Model=
 ASI290MM
 [Exposure] Set: 62.8msec, Measure: 62.8msec
 [Setting] Area: 816x822 ; Binning=2
 Gain: 460 ; Brightness: 87 ; High
 Speed Mode: Off

[Time keep] GPS ; Model: GT902MGG
 [Evidence] GPS Time Log : Recorded ; Screen
 shot: None

[Condition] Stability: Slight flickering
 Transparency: Clear
 [Remarks]

[Additional comment]

