

Asteroid Occultation Report

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

[Date] 2025. 8.20 [Approx hour] 19.6
 [Star] Tycho2 1306-00688-1 VMag=9.61
 RMag=8.69
 [Asteroid] (96580)1998 VY8 19.61 mag.
 Dia=7.3±0.6km Main-belt Asteroid

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

[Event time] D: 19h34m12.204s +/- 0.007s (UTC)
 S/N=10.92

R: 19h34m12.435s +/- 0.007s (UTC)

S/N=11.46
 [Predicted Time error] 0.123 sec [RUWE] 0.95

[Recorded] From 19h32m43s
 To 19h35m43s

[Mag. drop] D: Measured: Mag Drop (measured):
 3.62 Mag. ; Predicted: Mag Drop (predicted): 10.0
 Mag.

R: Measured: Mag Drop (measured):
 3.63 Mag. ; Predicted: Mag Drop (predicted): 10.0
 Mag.

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

[Camera] Analog or Digital video , Model=
 ASI290MM

[Exposure] Set: 31.2msec, Measure: 31.2msec

[Setting] Area: 640x480 ; Binning=2
 Gain: 335 ; Brightness: 0 ; High Speed

Mode: Off

[Time keep] GPS ; Model: GT902MGG

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

[Condition] Stability: Slight flickering

Transparency: Unspecified

[Remarks]

[Additional comment]

