

Asteroid Occultation Report

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

[Date] 2025.12.12 [Approx hour] 19.1
 [Star] Tycho2 2910-01389-1 VMag=12.64
 RMag=12.20
 [Asteroid] (92167)1999 XG166 17.75 mag.
 Dia=5.8±0.6km Main-belt Asteroid

[Observer] 1: Takeshi Nemoto 2:
 [Location] Tokorozawa, Saitama, JP
 [Longitude] 139o28'33.0" E
 [Latitude] 35o48'3.7" N
 [Altitude] 71m
 [Datum] WGS84

[Predicted Time error] 0.254 sec [RUWE] 1.00

[Recorded] From 18h57m54s
 To 19h0m51s

[Mag. drop] D: Measured: Mag Drop (measured):
 4.80 Mag. ; Predicted: Mag Drop (predicted): 3.2
 Mag.

R: Measured: Mag Drop (measured): 4.79
 Mag. ; Predicted: Mag Drop (predicted): 3.2 Mag.

[Telescope] Aperture: 25cm Type: Newtonian
 F=2.5
 [Camera] Analog or Digital video , Model=
 ASI290MM
 [Exposure] Set: 77.3msec, Measure: 77.3msec
 [Setting] Area: 640x480 ; Binning=2
 Gain: 460 ; Brightness: 60 ; High Speed
 Mode: Off

[Time keep] GPS ; Model: GT902MGG
 [Evidence] GPS Time Log : Recorded ; Screen
 shot: Recorded

[Condition] Stability: Slight flickering
 Transparency: Thin cloud <2
 [Remarks]

[Additional comment]

