

Asteroid Occultation Report

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

[Date] 2025.12. 9 [Approx hour] 13.9
 [Star] UCAC4 454-011682 VMag=13.47
 RMag=12.90
 [Asteroid] (19610)1999 NR60 16.59 mag.
 Dia=7.0±0.6km Main-belt Asteroid
 Binary #1 [Sepn 36 ±5km, dia 2.2km, Durn 0.22s]
 #2 [Sepn 34 ±5km, dia 5.3km, Durn 0.51s]

[Observer] 1: Takeshi Nemoto 2:
 [Location] Yokohama, Kanagawa, JP
 [Longitude] 139o29'3.1" E
 [Latitude] 35o23'25.5" N
 [Altitude] 18m
 [Datum] WGS84

[Event time] D: 13h58m05.655s +/- 0.018s (UTC)
 S/N=5.95
 R: 13h58m06.196s +/- 0.020s (UTC)
 S/N=5.39
 [Predicted Time error] 0.206 sec [RUWE] 0.95

[Recorded] From 13h57m29s
 To 13h59m41s

[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: 91.5msec, Measure: 91.5msec

[Setting] Area: 968x548 ; Binning=2

Gain: 470 ; Brightness: 72 ; 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]

