

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

[Date] 2025. 9.16 [Approx hour] 18.7
 [Star] UCAC4 533-016768 VMag=12.51
 RMag=11.87
 [Asteroid] (45)Eugenia 13.45 mag.
 Dia=200.2±10km Main-belt Asteroid

[Observer] 1: Takeshi Nemoto 2:
 [Location] Sagamihara, Kanagawa, JP
 [Longitude] 139o20'7.0" E
 [Latitude] 35o32'23.5" N
 [Altitude] 52m
 [Datum] WGS84

[Event time] D: 18h36m46.964s +/- 0.016s (UTC)
 S/N=5.57
 R: 18h36m49.768s +/- 0.017s (UTC)
 S/N=5.30
 [Predicted Time error] 0.335 sec [RUWE] 1.05

[Recorded] From 18h34m20s
 To 18h39m16s

[Mag. drop] D: Measured: Mag Drop (measured):
 1.03 Mag. ; Predicted: Mag Drop (predicted): 1.3
 Mag.
 R: Measured: Mag Drop (measured):
 1.02 Mag. ; Predicted: Mag Drop (predicted): 1.3
 Mag.

[Telescope] Aperture: 25cm Type: Newtonian
 F=3.1
 [Camera] Analog or Digital video , Model=
 ASI290MM
 [Exposure] Set: 77.3msec, Measure: 77.3msec
 [Setting] Area: 1280x548 ; Binning=2
 Gain: 460 ; Brightness: 155 ; 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]

