

Asteroid Occultation Report

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

[Date] 2025. 6.16 [Approx hour] 15.7
 [Star] UCAC4 345-166570 VMag=14.41
 RMag=13.51
 [Asteroid] (570)Kythera 14.02 mag.
 Dia=97.4±5.4km Outer Main-belt Asteroid

[Observer] 1: Takeshi Nemoto 2:
 [Location] Kawagoe, Saitama, JP
 [Longitude] 139°33'22.4" E
 [Latitude] 35°53'20.4" N
 [Altitude] 8m
 [Datum] WGS84

[Event time] D: 15h42m58.077s +/- 0.516s (UTC)
 S/N=2.33

R: 15h43m04.797s +/- 0.743s (UTC)

S/N=1.91

[Predicted Time error] 0.477 sec [RUWE] 1.00

[Recorded] From 15h41m32s
 To 15h44m32s

[Mag. drop] D: Measured: Mag Drop (measured):
 0.33 Mag. ; Predicted: Mag Drop (predicted): 0.6
 Mag.

R: Measured: Mag Drop (measured): 0.33
 Mag. ; Predicted: Mag Drop (predicted): 0.6 Mag.

[Telescope] Aperture: 25cm Type: Newtonian F=3.1
 [Camera] Analog or Digital video , Model=
 ASI290MM

[Exposure] Set: 490.0msec, Measure: 490msec

[Setting] Area: 1280x548 ; Binning=2
 Gain: 380 ; Brightness: 0 ; 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]

