

Asteroid Occultation Report

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

[Date] 2025.11.11 [Approx hour] 14.1
 [Star] Tycho2 0712-00442-1 VMag=11.64
 RMag=11.12
 [Asteroid] (127587)2003 AQ82 20.33 mag.
 Dia=2.00±0.60km Fresnel Number=6.61
 Main-belt Asteroid

[Observer] 1: Takeshi Nemoto 2:
 [Location] Musashino, Tokyo, JP
 [Longitude] 139o33'26.6" E
 [Latitude] 35o42'56.2" N
 [Altitude] 60m
 [Datum] WGS84

[Event time] D: 14h12m29.220s +/- 0.013s (UTC)
 S/N=7.21
 R: 14h12m29.525s +/- 0.014s (UTC)
 S/N=5.95
 [Predicted Time error] 0.588 sec [RUWE] 1.30

[Recorded] From 18h41m42s
 To 14h14m4s

[Mag. drop] D: Measured: Mag Drop (measured) :
 5.24 Mag. ; Predicted: Mag Drop (predicted): 8.7
 Mag.
 R: Measured: Mag Drop (measured) :
 5.19 Mag. ; Predicted: Mag Drop (predicted): 8.7
 Mag.

[Telescope] Aperture: 25cm Type: Newtonian
 F=2.5
 [Camera] Analog or Digital video , Model=
 ASI290MM
 [Exposure] Set: 34.4msec, Measure: 34.4msec
 [Setting] Area: 1448x548 ; Binning=2
 Gain: 460 ; Brightness: 126 ; 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]

