

Asteroid Occultation Report

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

[Date] 2025.11.22 [Approx hour] 19.2
 [Star] UCAC4 567-035499 VMag=13.17
 RMag=12.76
 [Asteroid] (2114)Wallenquist 17.41 mag.
 Dia=22.8±1.6km Outer Main-belt Asteroid

[Observer] 1: Takeshi Nemoto 2:
 [Location] Kawagoe, Saitama, JP
 [Longitude] 139o25'16.6" E
 [Latitude] 35o53'48.9" N
 [Altitude] 33m
 [Datum] WGS84

[Event time] D: 19h05m33.799s +/- 0.037s (UTC)
 S/N=12.12
 R: 19h05m36.990s +/- 0.038s (UTC)
 S/N=10.96
 [Predicted Time error] 0.515 sec [RUWE] 0.90

[Recorded] From 19h4m17s
 To 19h7m17s

[Mag. drop] D: Measured: Mag Drop (measured):
 4.72 Mag. ; Predicted: Mag Drop (predicted): 4.3
 Mag.
 R: Measured: Mag Drop (measured):
 4.71 Mag. ; Predicted: Mag Drop (predicted): 4.3
 Mag.

[Telescope] Aperture: 25cm Type: Newtonian
 F=2.5
 [Camera] Analog or Digital video , Model=
 ASI290MM
 [Exposure] Set: 112.0msec, Measure: 112msec
 [Setting] Area: 968x548 ; Binning=2
 Gain: 450 ; Brightness: 140 ; 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]

