

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

[Date] 2025. 3.17 [Approx hour] 10.6
 [Star] Tycho2 1228-01069-1 VMag=10.28
 RMag=9.82
 [Asteroid] (31817)1999 RK134 18.55 mag.
 Dia=21.5±2.2km Outer Main-belt

[Observer] 1: Takeshi Nemoto 2:
 [Location] Tokorozawa,Saitama, JPN
 [Longitude] 139o28'20.0" E
 [Latitude] 35o47'56.2" N
 [Altitude] 74m
 [Datum] WGS84

[Event time] D: 10h39m59.534s +/- 0.057s (UTC)
 S/N=3.40 Ctt=82.9
 R: 10h40m00.274s +/- 0.130s (UTC)
 S/N=3.77 Ctt=87.2
 D: 10h40m00.887s +/- 0.032s (UTC)
 S/N=2.25
 R: 10h40m01.342s +/- 0.022s (UTC)
 S/N=2.63
 [Predicted Time error] 0.230 sec [RUWE] 1.65
 [Recorded] From 10h39m0s
 To 10h41m34s
 [Mag. drop] D: Measured: Mag Drop (measured):
 1.14 Mag. ; Predicted: Mag Drop (predicted): 8.3
 Mag.

R: Measured: Mag Drop (measured):
 1.12 Mag. ; Predicted: Mag Drop (predicted): 8.3 Mag.
 D: Measured: Mag Drop (measured):
 0.61 Mag. ; Predicted: Mag Drop (predicted): 8.3 Mag.
 R: Measured: Mag Drop (measured):
 0.61 Mag. ; Predicted: Mag Drop (predicted): 8.3 Mag.

[Telescope] Aperture: 25cm Type: Newtonian F=3.1
 [Camera] Analog or Digital video , Model=
 ASI290MM
 [Exposure] Set: 31.2msec, Measure: 31.2msec
 [Setting] Area: 968x548 ; Binning=2
 Gain: 430 ; Brightness: 113 ; 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]

