

(33771)1999 RJ142 occults UCAC4 499-054946

***** Asteroid occultation Report *****

[Date] 2025. 1.22 [Approx hour] 13.2
[Star] UCAC4 499-054946 VMag=13.63 RMag=13.20
[Asteroid] (33771)1999 RJ142 18.61 mag.

[Observer] 1: Katsuhiko Kitazaki 2:
[Location] Musashino Tokyo, JPN
[Longitude] 139o33'41.2" E
[Latitude] 35o42'37.0" N
[Altitude] 66m
[Datum] WGS84

[Predicted Time error] 0.571 sec [RUWE] 1.05

[Recorded] From 13h21m1s
To 13h23m00s

[Mag. drop] D: Measured: ; Predicted:
R: Measured: ; Predicted:

[Telescope] Aperture: 40cm Type: Other F=2.5
[Camera] Analog or Digital video , Model= ASI290MM
[Exposure] Set: 490msec, Measure: 490msec
[Setting] Area: 1936x600 ; Binning= 2binning
Gain: 290 ; Brightness: 0 ; High Speed Mode: OFF
[Time keep] GPS ; Model: GHS-OSD (PPSPUcorrection -0.0133203s)
[Evidence] GPS Time Log : Recorded ; Screen shot: Recorded

[Condition] Stability: Strong flickering Transparency: Clear
[Remarks] This Occultation had a 65% probability and a large Error in Prediction time of 0.571sec. It was still a Miss.

[Additional comment]

Capture : ZWO ASI290MM imaging data to PC using SharpCap4.1.12946.0
Photometry analysis : Analyzed with software.limovie1.0.0.6Pneuma.
Photometry method: PSF photometry / Aperture photometry
(Sarp4.1 ON,Tracking OFF, Linked Tracking ON)
Data Release Site

<Observations>

<Event>

<Date>2025|1|22|13.2</Date>

<Details>

<Star>UCAC4|499-

054946|0|0.000000000|0.000000000|0.00|0.00|0.00|0|0.00000000|0.000000

00|25.00|25.00|25.00|0</Star>

<Asteroid>33771|1999

RJ142|0.00000000|0.00000000|0.00000000|0.00000000|0.00000000|1.00000000|1.000000

00000|0.00000|0.0|1.0|20.00</Asteroid>

</Details>

<Observations>

<Observer>

<ID>1|Katsuhiko Kitazaki||0|Musashino Tokyo|JPN|+139 33

41.2|+35 42 37.0|66| 40|6|a|a</ID>

<Conditions>3|1|||</Conditions>

<D> . |D||| </D>

<R> . |R||| </R>

</Observer>

</Observations>

<LastEdited>2023|7|17</LastEdited>

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