

(14213)1999 NX54 occults UCAC4 452-055380

<R>19 52 52.296|R|0.016||| </R>

</Observer>

</Observations>

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

</Event>

</Observations>

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

[Date] 2025. 1. 8 [Approx hour] 19.9
[Star] UCAC4 452-055380 VMag=13.72 RMag=13.11
[Asteroid] (14213)1999 NX54 18.50 mag.

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

[Event time] D: 19h52m51.872s +/- 0.014s (UTC) S/N=6.28
R: 19h52m52.296s +/- 0.016s (UTC) S/N=5.74

[Predicted Time error] 0.071 sec [RUWE] 1.05

[Recorded] From 19h52m0s
To 19h54m0s

[Mag. drop] D: Measured: Mag Drop (measured): 4.41 Mag.
; Predicted: Mag Drop (predicted): 4.8 Mag.
R: Measured: Mag Drop (measured): 4.32 Mag.
; Predicted: Mag Drop (predicted): 4.8 Mag.

[Telescope] Aperture: 40cm Type: Other F=2.5
[Camera] Analog or Digital video , Model= ASI290MM
[Exposure] Set: 90.3msec, Measure: 90.3msec
[Setting] Area: 1936x600 ; Binning=2
Gain: 380 ; Brightness: 60 ; High Speed Mode: Off
[Time keep] GPS ; Model: GHS-OSD (PPSPUcorrection -0.0064579s)
[Evidence] GPS Time Log : Recorded ; Screen shot: Recorded

[Condition] Stability: Steady Transparency: Clear
[Remarks] The frame exposure time was trimmed to 90.3 ms due to a Predicted Time error of 0.071. The target star was poorly captured.

[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
(Sarp4.1 ON, Gaussian Filter 0, Tracking ON, Linked Tracking ON)
Gaussian filter was set to 0. Linked Tracking was done with a bright comparison star.
Data Release Site
<https://www.data-box.jp/pdir/ea0ff1f2d7614738981e70b9668d3b07>

<Observations>

<Event>

<Date>2025|1|8|19.9</Date>

<Details>

<Star>UCAC4|452-

055380|0||0.000000000|0.00000000|0.00|0.00|0.00|0|0.00000000|0.00000

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

<Asteroid>14213|1999

NX54|0.00000000|0.00000000|0.00000000|0.00000000|0.00000000|0.00000000|1.000000|0.000000|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>1|1|6.01||The frame exposure time was trimmed to 90.3 ms due to a prediction error of 0.071. The target star was poorly captured.</Conditions>

<D>19 52 51.872|D|0.014||| </D>

