

(3134)Kostinsky occults UCAC4 556-021151

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

[Date ] 2024.12.22 [Approx hour] 15.1
[Star ] UCAC4 556-021151 VMag=13.31 RMag=12.37
[Asteroid ] (3134)Kostinsky 14.93 mag.

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

[Event time] D: 15h05m19.209s +/- 0.031s (UTC) S/N=10.69
R: 15h05m24.252s +/- 0.095s (UTC) S/N=11.77 Ctt=87.5
[Predicted Time error] 0.737 sec [RUWE] 1.25

[Recorded ] From 15h4m30s
To 15h6m30s

[Mag. drop ] D: Measured: Mag Drop (measured): 1.77 Mag.
; Predicted: Mag Drop (predicted): 1.8 Mag.
R: Measured: Mag Drop (measured): 1.80 Mag.
; Predicted: Mag Drop (predicted): 1.8 Mag.

[Telescope ] Aperture: 40cm Type: Other F=4.0
[Camera ] Analog or Digital video , Model= ASI290MM
[Exposure ] Set: 327.0msec, Measure: 327msec
[Setting ] Area: 1936x600 ; Binning=2
Gain: 290 ; Brightness: 19 ; High Speed Mode: Off
[Time keep ] GPS ; Model: GHS-OSD (PPSPUcorrection -0.0179559 s)
[Evidence ] GPS Time Log : Recorded ; Screen shot: Recorded

[Condition ] Stability: Strong flickering Transparency: Clear
[Remarks ] Scintillation was very large due to airflow turbulence. The effect was suppressed by increasing the exposure time.

[Additional comment]
Photometry analysis : Analyzed with software.limovie1.0.0.6Pneuma.
Photometry method: Aperture photometry (SarpCap4.1 OFF,Tracking OFF, Linked Tracking ON)
When returning, the time was analyzed with a contact angle of 87.5° for gradual intensification.

Data Release Site
https://www.data-box.jp/pdir/d86f882ccedc4813a1d3b1589a8f27f6

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<Observations>

<Event>

<Date>2024|12|22|15.1</Date>

<Details>

<Star>UCAC4|556-

021151|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>3134|Kostinsky|0.00000000|0.00000000|0.00000000|0.00000000|0.0
000000|0.00000000|1.00000|0.00000|0.0|1.0|20.00</Asteroid>

</Details>

<Observations>

<Observer>

<ID>1|Katsuhiko Kitazaki||0|Musashino Tokyo||+139 33 41.2|+35
42 37.0|66| |40|6|a|a</ID>

<Conditions>3|1|11.23||</Conditions>

<D>15 5 19.209|D|0.031||| </D>

<R>15 5 24.252|R|0.095||| </R>

</Observer>

</Observations>

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

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