

(85875)1999 CR5 occults UCAC4 588-046457

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

[Date ] 2024.12.24 [Approx hour] 20.7
[Star ] UCAC4 588-046457 VMag=13.10 RMag=12.67
[Asteroid ] (85875)1999 CR5 18.49 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: 20h42m42.920s +/- 0.012s (UTC) S/N=12.23
R: 20h42m44.265s +/- 0.011s (UTC) S/N=12.54
[Predicted Time error] 0.611 sec [RUWE] 1.20

[Recorded ] From 20h42m1s
To 20h44m0s

[Mag. drop ] D: Measured: Mag Drop (measured): 5.24 Mag. ; Predicted:
Mag Drop (predicted): 5.4 Mag.
R: Measured: Mag Drop (measured): 5.25 Mag. ; Predicted:
Mag Drop (predicted): 5.4 Mag.

[Telescope ] Aperture: 40cm Type: Other F=2.5
[Camera ] Analog or Digital video , Model= ASI290MM
[Exposure ] Set: 144.0msec, Measure: 144msec
[Setting ] Area: 1936x600 ; Binning=2
Gain: 380 ; Brightness: 54 ; High Speed Mode: Off
[Time keep ] GPS ; Model: GHS-OSD (PPSPUcorrection -0.0161893s)
[Evidence ] GPS Time Log : Recorded ; Screen shot: Recorded

[Condition ] Stability: Strong flickering Transparency: Clear
[Remarks ] Due to the large scintillation, the frame exposure was set to 144
ms.

[Additional comment]
Photometry analysis : Analyzed with software.limovie1.0.0.6Pneuma.
Photometry method: Aperture photometry
(Linked Tracking OFF,Correction for absorption OFF,Mag drop considered
OFF)
Data Release Site:
https://www.data-box.jp/pdir/21e42451b9ad43e8b48e6d54ee7b2e98

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