

(43254)2000 CE35 occults UCAC4 540-008630

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

[Date ] 2025. 1.10 [Approx hour] 14.6  
[Star ] UCAC4 540-008630 VMag=11.42 RMag=10.54  
[Asteroid ] (43254)2000 CE35 19.69 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: 14h19m04.510s +/- 0.027s (UTC) S/N=6.1 Ctt=24.9  
D: 14h19m04.635s +/- 0.067s (UTC) S/N=2.5 Ctt=24.9  
R: 14h19m05.267s +/- 0.018s (UTC) S/N=9.17 Ctt=24.4  
R: 14h19m05.267s +/- 0.018s (UTC) S/N=9.17 Ctt=24.4

[Predicted Time error] 1.012 sec [RUWE] 1.00

[Recorded ] From 14h18m30s  
To 14h20m30s

[Mag. drop ] D: Measured: ; Predicted:  
D: Measured: ; Predicted:  
R: Measured: Mag Drop (measured): 2.84 Mag.  
; Predicted: Mag Drop (predicted): 8.3 Mag.  
R: Measured: Mag Drop (measured): 2.84 Mag.  
; Predicted: Mag Drop (predicted): 8.3 Mag.

[Telescope ] Aperture: 40cm Type: Type: Classical Cassegrain  
F=2.5 (Reducer x0.25)

[Camera ] Analog or Digital video , Model= ASI290MM

[Exposure ] Set: 20.8msec, Measure: 20.8msec

[Setting ] Area: 1448x822 ; Binning=2  
Gain: 380 ; Brightness: 85 ; High Speed Mode: Off

[Time keep ] GPS ; Model: GHS-OSD (PPSPUcorrection -0.0066329s)

[Evidence ] GPS Time Log : Recorded ; Screen shot: Recorded

[Condition ] Stability: Strong flickering Transparency: Clear

[Remarks ] The predicted time was 14h19m19s UTC, but Disappearance time, to 14h19m04.510s.Double star feature was seen during Disappearance, but not during Reappearance. Slow light intensity change is seen due to diffraction because of the relatively slow speed of the shadow.

[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,Tracking OFF,Linked Tracking ON)

URL Data Release Site

https://www.data-box.jp/pdir/4cdfb576f3ad44df949aeca912b17d6c

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<Observations>

<Event>

<Date>2025|1|10|14.6</Date>

<Details>

<Star>UCAC4|540-

008630|0|0.000000000|0.00000000|0.00|0.00|0.00|0|0.0000000|0.00000000|0.00|0.00|25.00|25.00|25.00|0</Star>

<Asteroid>43254|2000

CE35|0.00000000|0.00000000|0.0000000|0.0000000|0.0000000|0.0000000|1.000000|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|7.63||The predicted time was 14h19m19s UTC, but Disappearance time, to 14h19m04.510s.Double star feature was seen during Disappearance, but not during Reappearance. Slow light intensity change is seen due to diffraction because of the relatively slow speed of the shadow.</Conditions>

<D>14 19 4.510|D|0.027||| </D>

<R>14 19 5.267|R|0.018||| </R>

</Observer>

<Observer>

<ID>2|Katsuhiko Kitazaki|0|Musashino Tokyo|JPN|+139 33 41.2|+35 42 37.0|66| |40|6|a|a</ID>

<Conditions>3|1|5.83||The predicted time was 14h19m19s UTC, but Disappearance time, to 14h19m04.510s.Double star feature was seen during Disappearance, but not during Reappearance. Slow light intensity change is seen due to diffraction because of the relatively slow speed of the shadow.</Conditions>

<D>14 19 4.635|D|0.067||| </D>

<R>14 19 5.267|R|0.018||| </R>

</Observer>

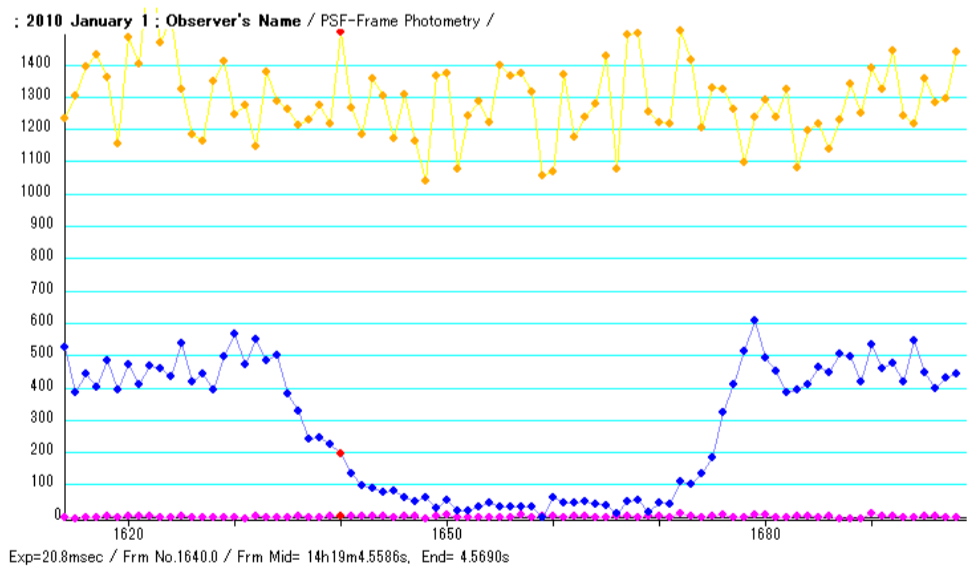
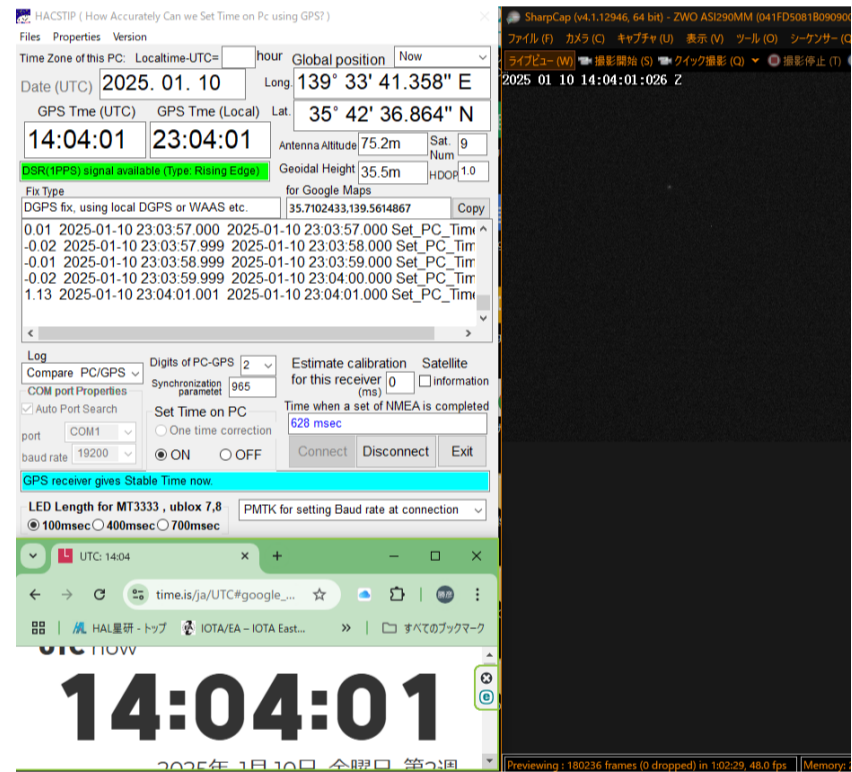
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<LastEdited>2023|7|17</LastEdited>

</Event>

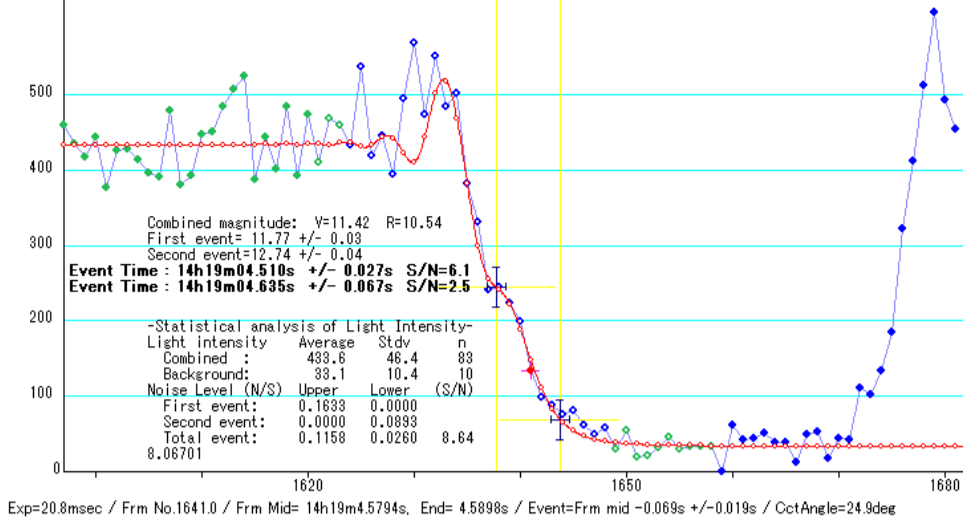
</Observations>

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Disappearance & Reappearance time analysis images are on the next page.

2025 Jan 10: (43254) 2000 CE35 occults UCAC4 540-008630 Observed by Katsuhiko Kitazaki / PSF-Frame Photometry /  
 Dist=285806731km Veloc=3698m/sec



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