

(7305)Ossakajusto occults UCAC4 625-037145

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

[Date ] 2024.12.21 [Approx hour] 20.3  
 [Star ] UCAC4 625-037145 VMag=12.87 RMag=12.20  
 [Asteroid ] (7305)Ossakajusto 17.25 mag.

[Observer ] 1: Katsuhiko Kitazaki 2:  
 [Location ] Musashino Tokyo,  
 [Longitude ] 139°33'41.2" E  
 [Latitude ] 35°42'37.0" N  
 [Altitude ] 66m  
 [Datum ] WGS84

[Event time] D: 20h14m23.060s +/- 0.125s (UTC) S/N=6.17 Ctt=87.0  
 R: 20h14m23.907s +/- 0.016s (UTC) S/N=6.27  
 [Predicted Time error] 0.110 sec [RUWE] 1.40

[Recorded ] From 20h13m30s  
 To 20h15m30s

[Mag. drop ] D: Measured: Mag Drop (measured): 4.36 Mag.  
 ; Predicted: Mag Drop (predicted): 4.4 Mag.  
 R: Measured: Mag Drop (measured): 4.33 Mag.  
 ; Predicted: Mag Drop (predicted): 4.4 Mag.

[Telescope ] Aperture: 40cm Type: Classical Cassegrain  
 F=2.5 (Reducer ×0.25)

[Camera ] Analog or Digital video , Model= ASI290MM  
 [Exposure ] Set: 99.3msec, Measure: 99.3msec  
 [Setting ] Area: 1936x600 ; Binning=2  
 Gain: 380 ; Brightness: 75 ; High Speed Mode: Off  
 [Time keep ] GPS ; Model: GHS-OSD (PPSPUcorrection -0.0162055 s)  
 [Evidence ] GPS Time Log : Recorded ; Screen shot: Recorded

[Condition ] Stability: Strong flickering Transparency: Clear  
 [Remarks ] Scintillation is large. It was a slow Mag Drop, not instantaneous.

[Additional comment]  
 Capture : ZWO ASI290MM imaging data to PC using SharpCap4.1.11351  
 Photometry analysis : Analyzed with software.limovie1.0.0.6Pneuma.  
 Photometry method: PSF photometry (Sharp4.1 OFF,Tracking OFF,Linked Tracking ON)  
 Data Release Site  
<https://www.data-box.jp/pdir/4442bb717c48417581cbeca8306fe37b>

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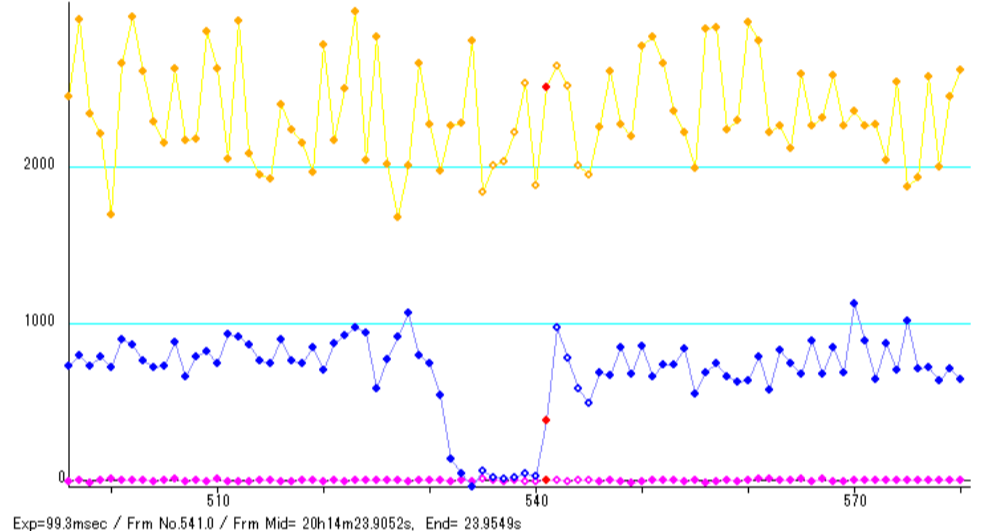
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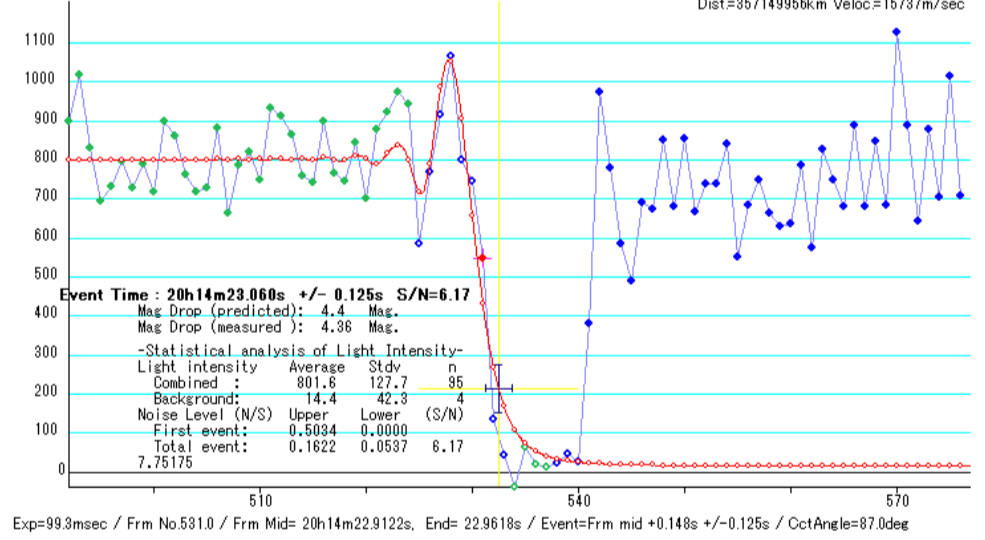
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2024 Dec 21: (7305) Ossakajusto occults UCAC4 625-037145 Observed by Katsuhiko Kitazaki / PSF-Frame Photometry /



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