

# Asteroid Occultation Report Observation was: Positive Takeshi Nemoto Email: nemoto00@juno.ocn.ne.jp

[Date ] 2024. 1.13 [Approx hour] 13.0  
 [Star ] UCAC4 570-028434  
 [Asteroid ] (6238)Septimaclark

[Observer ] 1: Takeshi Nemoto 2:  
 [Location ] Yamato,Kanagawa, JPN  
 [Longitude ] 139o27'00.7" E  
 [Latitude ] 35o25'58.0" N  
 [Altitude ] 45m  
 [Datum ] WGS84

[Event time] D: 13h00m54.032s +/- 0.016s (UTC)  
 S/N=5.24  
 R: 13h00m54.575s +/- 0.017s (UTC)  
 S/N=4.97

[Recorded ] From 12h59m25s  
 To 13h2m25s

[Mag. drop ] D: Measured: 4.06 ; Predicted: 4.6  
 R: Measured: 4.24 ; Predicted: 4.6

[Telescope ] Aperture: 20cm Type: Newtonian F=4.0  
 [Camera ] Analog or Digital video , Model=ASI290MM  
 [Exposure ] Set: 82.8msec, Measure: 82.8msec  
 [Setting ] Area: 1488x548 ; Binning=2  
 Gain: 455 ; Brightness: 160 ; High Speed  
 Mode: Off  
 [Time keep ] GPS ; Model: GT902MGG  
 [Evidence ] GPS Time Log : Recorded ; Screen shot:  
 None

[Condition ] Stability: Slight flickering Transparency:  
 Clear  
 [Remarks ]

[Additional comment]

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<Observations>

<Event>

<Date>2024|1|13|13.0</Date>

<Details>

<Star>UCAC4|570-028434|0||0.000000000|  
 0.00000000|0.00|0.00|0.00|0|0.00000000|0.00000000|  
 25.00|25.00|25.00|0</Star>

<Asteroid>6238|Septimaclark|0.00000000|  
 0.00000000|0.00000000|0.00000000|0.00000000|0.00000000|  
 1.00000|0.00000|0.0|1.0|20.00</Asteroid>

</Details>

<Observations>

<Observer>

<ID>1|Takeshi Nemoto||0|Yamato,Kanagawa|JPN|  
 +139 27 00.7|+35 25 58.0|45| 20|2|a|a</ID>

<Conditions>2|1|5.11||</Conditions>

<D>13 00 54.032|D|0.016|| </D>

<R>13 00 54.575|R|0.017|| </R>

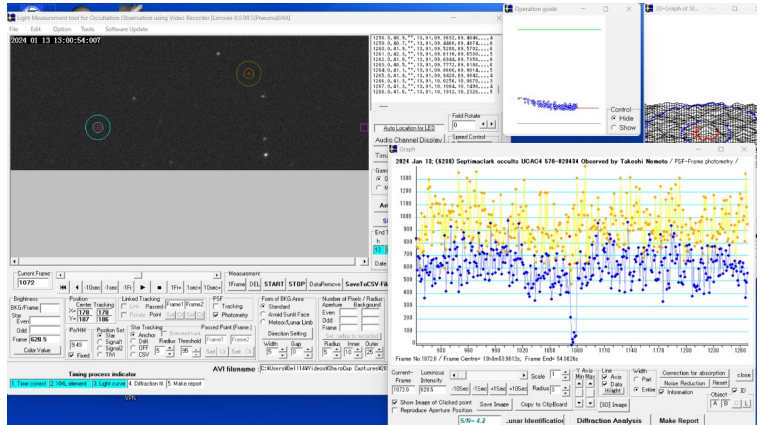
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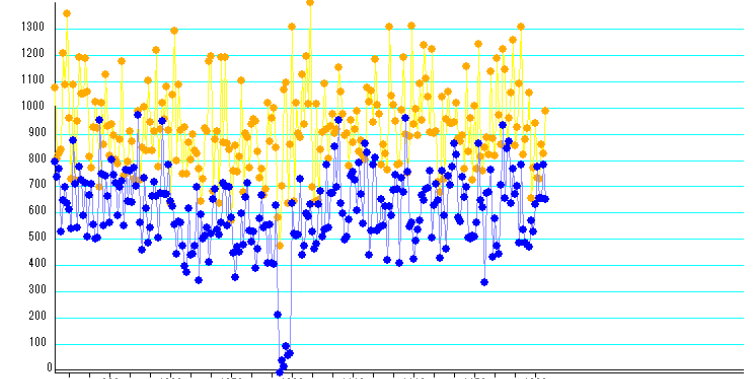
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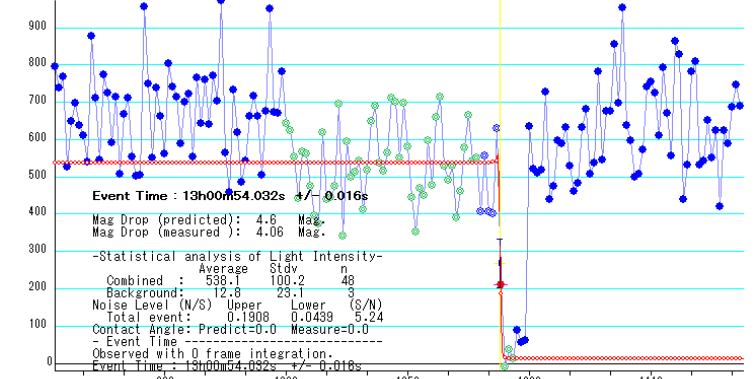
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2024 Jan 13; (6238) Septimaclark occults UCAC4 570-028434 Observed by Takeshi Nemoto / PSF-Frame photometry /

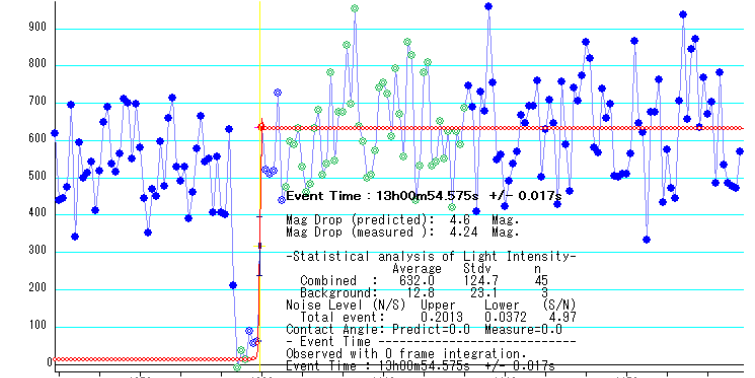


2024 Jan 13; (6238) Septimaclark occults UCAC4 570-028434 Observed by Takeshi Nemoto / PSF-Frame photometry /



Frame No.1079.0 / Frame Centre: 13h00m54.0440s, Frame End: 54.0854s / Event centre=Frame centre -0.012s +/- -0.016s / ContactAngle=0.00

2024 Jan 13; (6238) Septimaclark occults UCAC4 570-028434 Observed by Takeshi Nemoto / PSF-Frame photometry /



Frame No.1080.0 / Frame Centre: 13h00m54.8297s, Frame End: 54.8661s / Event centre=Frame centre -0.049s +/- -0.017s / ContactAngle=0.00