

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

[Date] 2024. 1.24 [Approx hour] 11.4

[Star] UCAC4 605-045888

[Asteroid] (118399)1999 RM61

[Observer] 1: Takeshi Nemoto 2:

[Location] Yamato,Kanagawa, JPN

[Longitude] 139o27'01.2" E

[Latitude] 35o25'57.8" N

[Altitude] 46m

[Datum] WGS84

[Event time] D: 11h31m17.356s +/- 0.014s (UTC)

S/N=5.75

R: 11h31m17.623s +/- 0.021s (UTC)

S/N=4.27

[Recorded] From 11h29m51s

To 11h32m51s

[Mag. drop] D: Measured: 8.99 ; Predicted: 7.2

R: Measured: 9.01 ; Predicted: 7.2

[Telescope] Aperture: 20cm Type: Newtonian F=4.0

[Camera] Analog or Digital video , Model=ASI290MM

[Exposure] Set: 82.8msec, Measure: 82.8msec

[Setting] Area: 800x600 ; Binning=2

Gain: 450 ; Brightness: 0 ; 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]

<Observations>

<Event>

<Date>2024|1|24|11.4</Date>

<Details>

<Star>UCAC4|605-045888|0||0.000000000|0.000000000|0.00|0.00|0.00|0.00000000|0.00000000|25.00|25.00|25.00|0</Star>

<Asteroid>118399|1999 RM61|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 01.2|+35 25 57.8|46| |20|2|a|a</ID>

<Conditions>2|1|5.01||</Conditions>

<D>11 31 17.356|D|0.014|| </D>

<R>11 31 17.623|R|0.021|| </R>

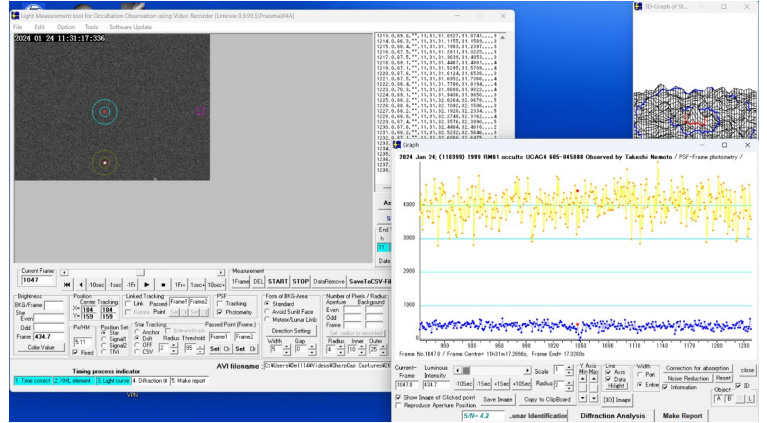
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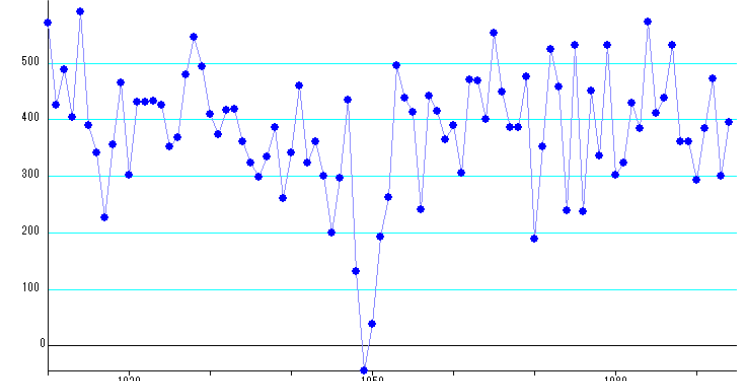
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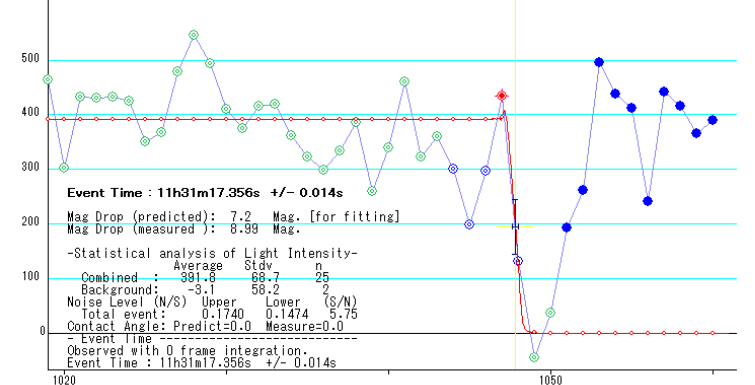
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2024 Jan 24: (118399) 1999 RM61 occults UCAC4 605-045888 Observed by Takeshi Nemoto / PSF-Frame photometry /

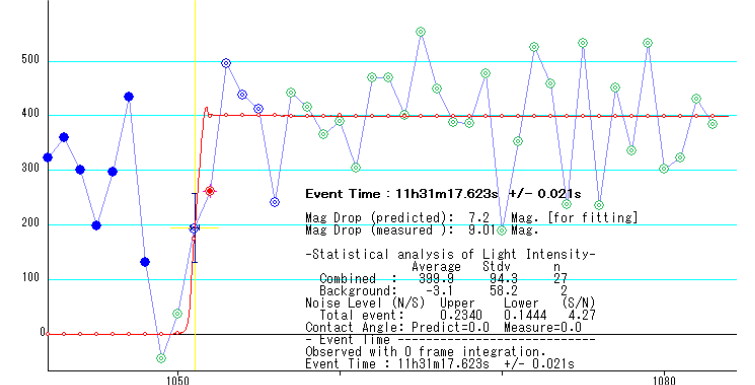


2024 Jan 24: (118399) 1999 RM61 occults UCAC4 605-045888 Observed by Takeshi Nemoto / PSF-Frame photometry /



Frame No.1047.0 / Frame Centre= 11h31m17.2866s, Frame End= 17.3280s / Event centre=Frame centre +0.069s +/-0.014s / ContactAngle=0.0

2024 Jan 24: (118399) 1999 RM61 occults UCAC4 605-045888 Observed by Takeshi Nemoto / PSF-Frame photometry /



Frame No.1052.0 / Frame Centre= 11h31m17.2006s, Frame End= 17.7420s / Event centre=Frame centre -0.078s +/-0.022s / ContactAngle=0.0