

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

[Date] 2024. 1.13 [Approx hour] 12.6

[Star] UCAC4 366-047846

[Asteroid] (1583)Antilochus

[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: 12h40m39.418s +/- 0.155s (UTC)

S/N=2.78

R: 12h40m42.455s +/- 0.231s (UTC) S/N=2.37

[Recorded] From 12h39m10s

To 12h42m10s

[Mag. drop] D: Measured: 1.28 ; Predicted: 2.5

R: Measured: 1.14 ; Predicted: 2.5

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

[Camera] Analog or Digital video , Model=ASI290MM

[Exposure] Set: 253.0msec, Measure: 253msec

[Setting] Area: 1600x548 ; Binning=2

Gain: 430 ; Brightness: 0 ; High Speed Mode:

Off

[Time keep] GPS ; Model: GT902MGG

[Evidence] GPS Time Log : Recorded ; Screen shot:
None

[Condition] Stability: Strong flickering Transparency:
Clear

[Remarks]

[Additional comment]

<Observations>

<Event>

<Date>2024|1|13|12.6</Date>

<Details>

<Star>UCAC4|366-047846|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>1583|Antilochus|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>3|1|2.58||</Conditions>

<D>12 40 39.418|D|0.155|| </D>

<R>12 40 42.455|R|0.231|| </R>

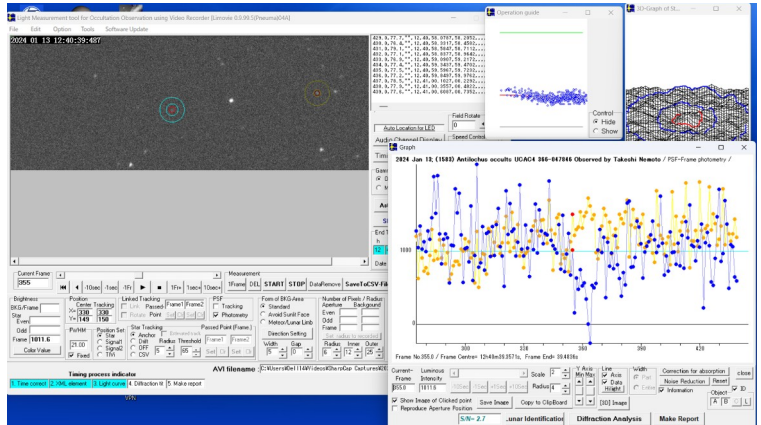
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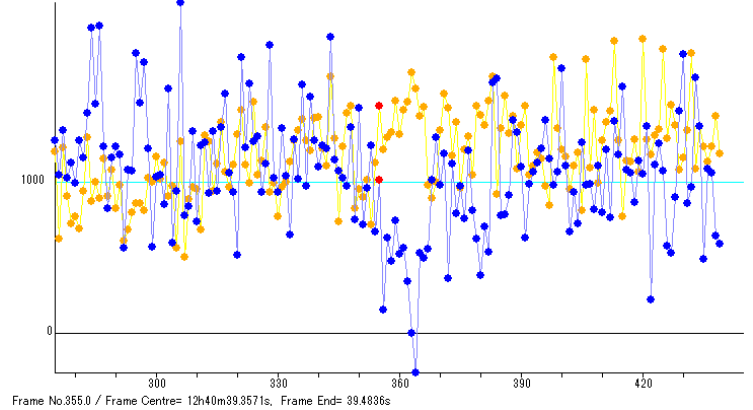
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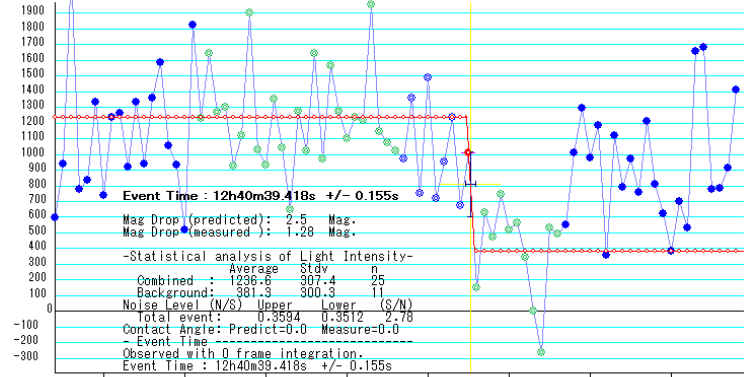
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2024 Jan 13; (1583) Antilochus occults UCAC4 366-047846 Observed by Takeshi Nemoto / PSF-Frame photometry /

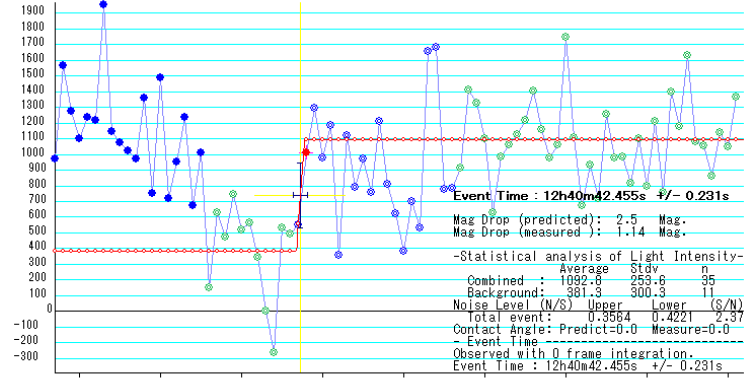


2024 Jan 13; (1583) Antilochus occults UCAC4 366-047846 Observed by Takeshi Nemoto / PSF-Frame photometry / Object:



Frame No.355.0 / Frame Centre= 12h40m39.3571s, Frame End= 39.4836s / Event centre=Frame centre +0.061s +/-0.155s / ContactAngle=0.00

2024 Jan 13; (1583) Antilochus occults UCAC4 366-047846 Observed by Takeshi Nemoto / PSF-Frame photometry / Object:



Frame No.368.0 / Frame Centre= 12h40m42.6460s, Frame End= 42.7725s / Event centre=Frame centre -0.191s +/-0.231s / ContactAngle=0.00