

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

[Date] 2024. 1. 8 [Approx hour] 10.0
[Star] UCAC4 540-024622
[Asteroid] (527)Euryanthe

[Observer] 1: Takeshi Nemoto 2:
[Location] Sagamihara,Kanagawa, JPN
[Longitude] 139o20'14.0" E
[Latitude] 35o32'17.6" N
[Altitude] 45m
[Datum] WGS84

[Event time] D: 10h07m46.766s +/- 0.064s (UTC)
S/N=4.36
R: 10h07m47.924s +/- 0.094s (UTC)
S/N=3.48

[Recorded] From 10h6m26s
To 10h9m26s

[Mag. drop] D: Measured: 1.42 ; Predicted: 1.0
R: Measured: 0.87 ; Predicted: 1.0

[Telescope] Aperture: 20cm Type: Newtonian F=4.0
[Camera] Analog or Digital video , Model=ASI290MM
[Exposure] Set: 253.0msec, Measure: 253msec
[Setting] Area: 1920x1080 ; Binning=2
Gain: 425 ; 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|8|10.0</Date>

<Details>

<Star>UCAC4|540-024622|0|0.000000000|
0.00000000|0.00|0.00|0.00|0.00000000|0.0000000|
25.00|25.00|25.00|0</Star>

<Asteroid>527|Euryanthe|0.00000000|0.00000000|
0.00000000|0.00000000|0.00000000|0.0000000|1.00000|
0.00000|0.0|1.0|20.00</Asteroid>

</Details>

<Observations>

<Observer>

<ID>1|Takeshi Nemoto|0|Sagamihara,Kanagawa|
JPN|+139 20 14.0|+35 32 17.6|45| |20|2|a|a</ID>

<Conditions>2|1|3.92|</Conditions>

<D>10 7 46.766|D|0.064||| </D>

<R>10 7 47.924|R|0.094||| </R>

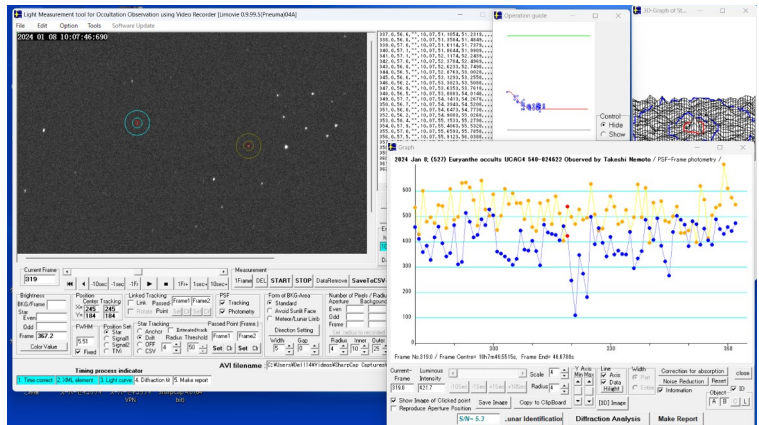
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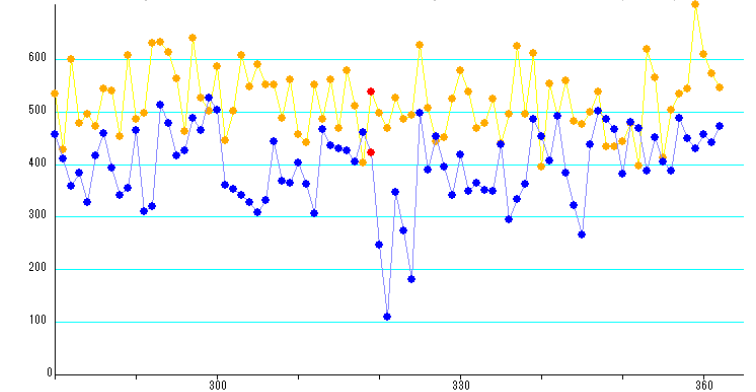
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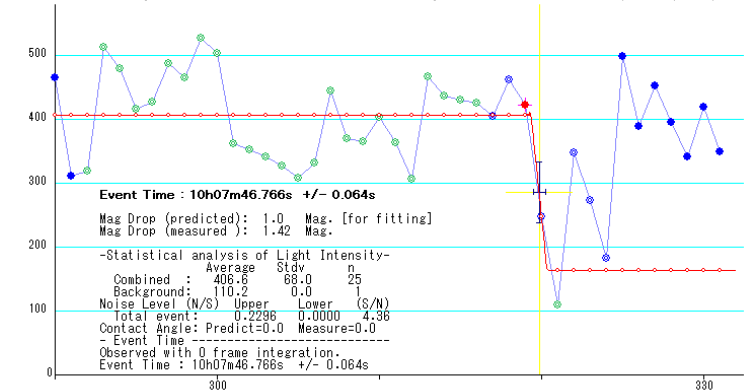


2024 Jan 8: (527) Euryanthe occults UCAC4 540-024622 Observed by Takeshi Nemoto / PSF-Frame photometry /



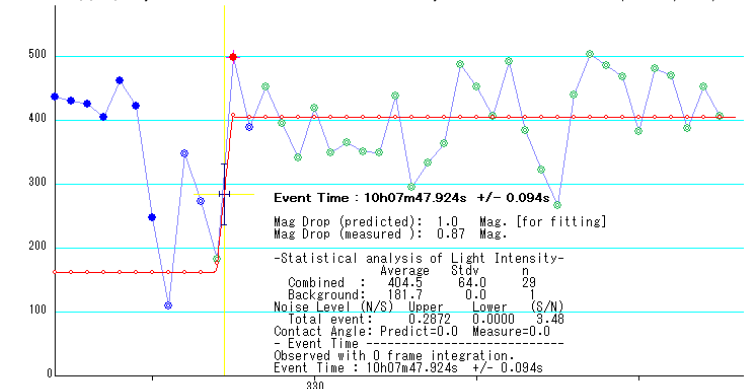
Frame No.319.0 / Frame Centre= 10h7m46.5515s, Frame End= 46.6780s

2024 Jan 8: (527) Euryanthe occults UCAC4 540-024622 Observed by Takeshi Nemoto / PSF-Frame photometry / Object: Dis



Frame No.319.0 / Frame Centre= 10h7m46.5515s, Frame End= 46.6780s / Event centre=Frame centre +0.215s +/-0.089s / ContactAngle=0.0de

2024 Jan 8: (527) Euryanthe occults UCAC4 540-024622 Observed by Takeshi Nemoto / PSF-Frame photometry / Object: Dis



Frame No.325.0 / Frame Centre= 10h7m48.0694s, Frame End= 48.1959s / Event centre=Frame centre -0.145s +/-0.080s / ContactAngle=0.0de