

(209) Dido occults TYC 2410-00157-1 on 2025 Nov 22 from 11h03m to 11h21m UT

Katsumasa Hosoi / Miharu, Fukushima

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

[Date] 2025.11.22 [Approx hour] 11.2
 [Star] Tycho2 2410-00157-1 VMag=10.10 RMag=9.89
 [Asteroid] (209)Dido 13.41 mag.

[Observer] 1: Katsumasa Hosoi 2:
 [Location] Miharu, Fukushima, JP
 [Longitude] 140o26'04.2" E
 [Latitude] 37o25'36.7" N
 [Altitude] 274m
 [Datum] WGS84

[Event time] D: 11h19m39.487s +/- 0.011s (UTC) S/N=6.09
 R: 11h19m53.720s +/- 0.011s (UTC) S/N=5.89
 [Predicted Time error] 0.688 sec [RUWE] 1.05

[Recorded] From 11h17m35s
 To 11h21m55s

[Mag. drop] D: Measured: Mag Drop (measured): 3.21 Mag ;
 Predicted: Mag Drop (predicted): 3.4 Mag.
 R: Measured: Mag Drop (measured): 3.36 Mag ;
 Predicted: Mag Drop (predicted): 3.4 Mag.

[Telescope] Aperture: 25cm Type: Newtonian F=4.0
 [Camera] Analog or Digital video , Model= ASI290MM
 [Exposure] Set: 67.0msec, Measure: 67.0msec
 [Setting] Area: 1280x680 ; Binning=2
 Gain: 380 ; Brightness: 80 ; High Speed Mode: Off
 [Time keep] GPS ; Model: GHS-OSD
 [Evidence] GPS Time Log : Recorded ; Screen shot: Recorded

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

[Additional comment]

<Observations>

<Event>

<Date>2025|11|22|11.2</Date>

<Details>

<Star>Tycho2|2410-00157-1|0||0.000000000|0.00000000|0.00|0.00|
 0.00|0.0000000|0.000000|25.00|25.00|25.00|0</Star>

<Asteroid>209|Dido|0.0000000|0.0000000|0.0000000|0.0000000|
 0.0000000|0.0000000|1.00000|0.00000|0.0|1.0|20.00</Asteroid>

</Details>

<Observations>

<Observer>

<ID>1|Katsumasa Hosoi||0|Miharu, Fukushima|JP|
 +140 26 04.2|+37 25 36.7|274| |25|2|a|a</ID>

<Conditions>2|1|5.99||</Conditions>

<D>11 19 39.487|D|0.011||| </D>

<R>11 19 53.720|R|0.011||| </R>

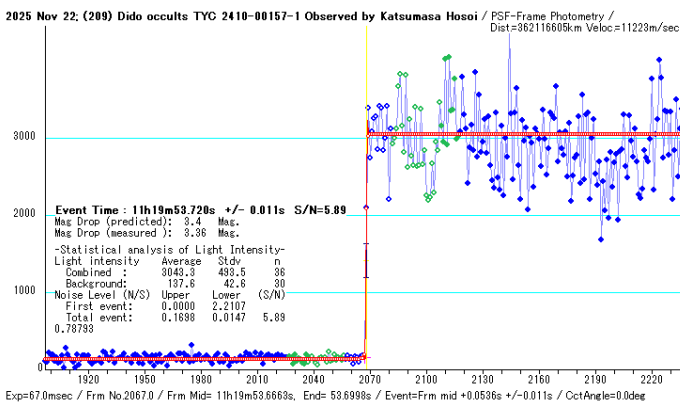
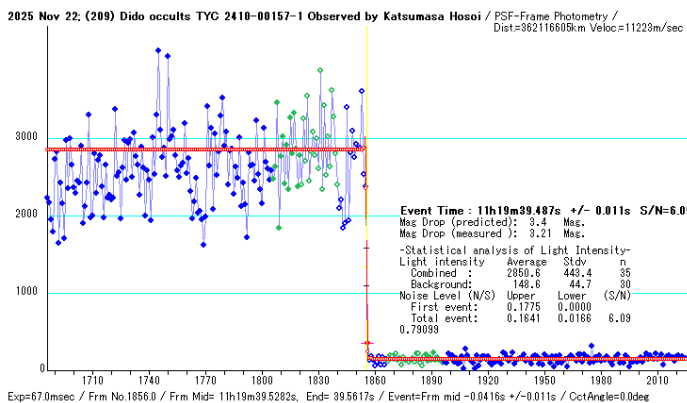
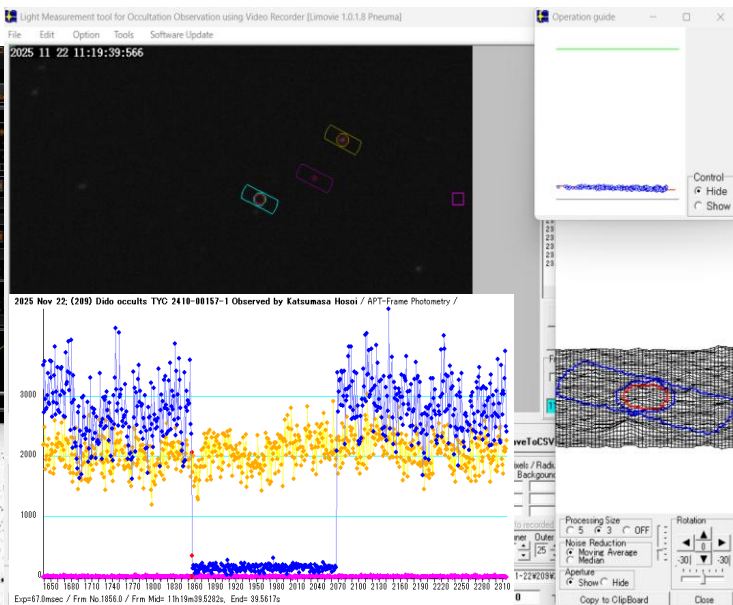
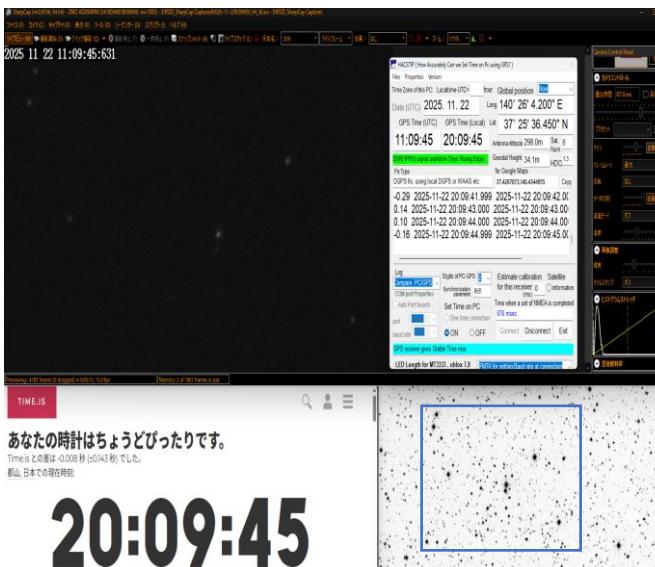
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<LastEdited>2023|7|17</LastEdited>

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