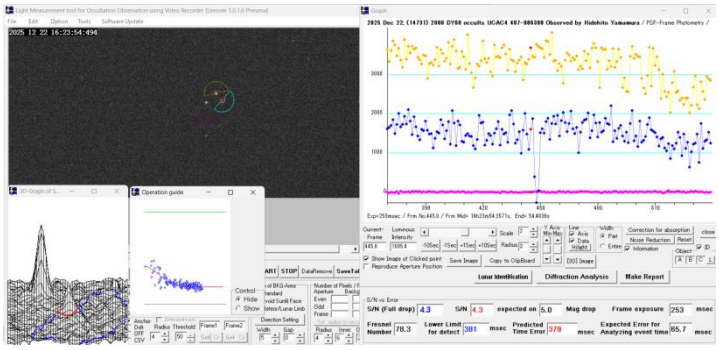
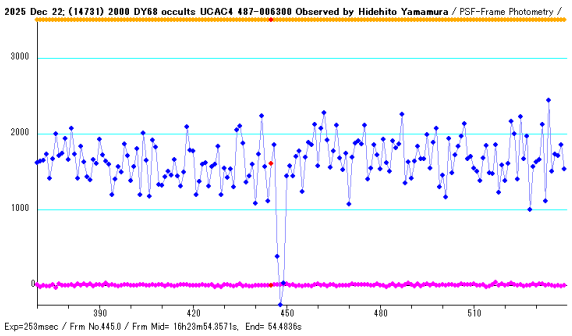
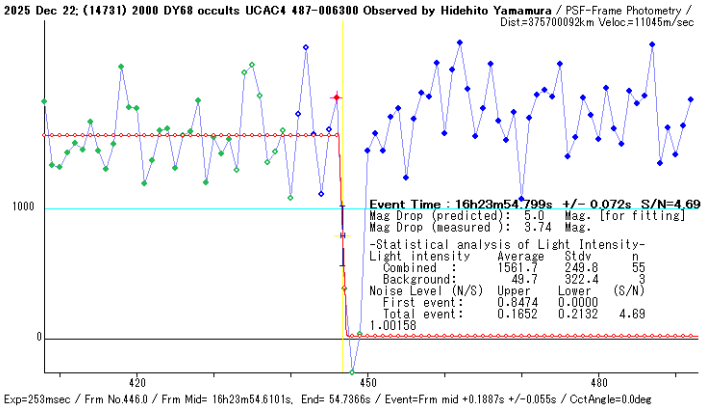
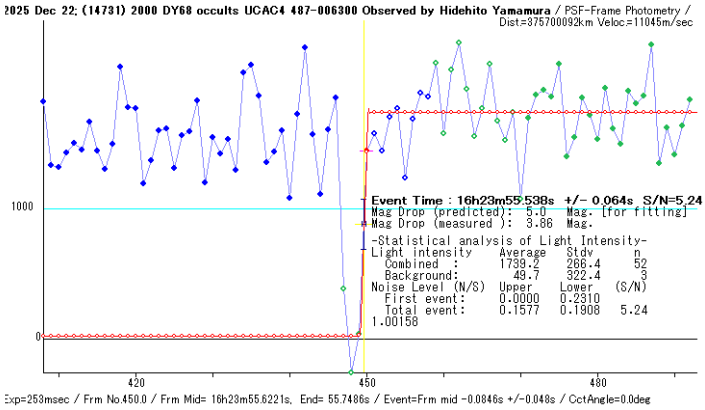
20251222_(14731)2000 DY68 Occults UCAC4 487-006300

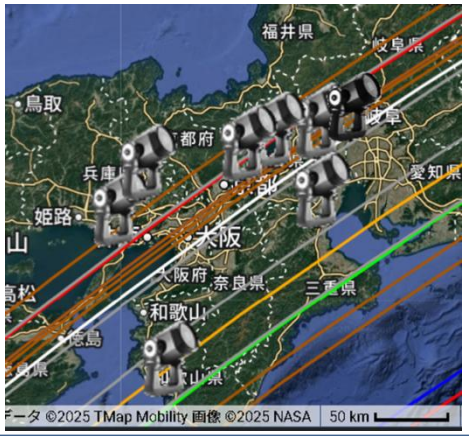
Hidehito Yamamura











観測地： 滋賀県東近江市乙女浜町 農道

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

[Date] 2025.12.22 [Approx hour] 16.5

[Star] UCAC4 487-006300 VMag=13.70 RMag=13.04

[Asteroid] (14731)2000 DY68 18.72 mag.

[Observer] 1: Hidehito Yamamura 2:

[Location] Higashomi, Shiga, JP

[Longitude] 136o8'8.1" E

[Latitude] 35o11'33.4" N

[Altitude] 86m

[Datum] WGS84

[Event time] D: 16h23m54.799s +/- 0.064s (UTC) S/N=4.69

R: 16h23m55.538s +/- 0.051s (UTC) S/N=5.24

[Predicted Time error] 0.379 sec [RUWE] 1.00

[Recorded] From 16h22m2s

To 16h25m35s

[Mag. drop]

D: Measured: Mag Drop (measured): 3.86 Mag. ; Predicted: Mag Drop (predicted): 5.0 Mag. [for fitting]

R: Measured: Mag Drop (measured): 10.60 Mag. ; Predicted: Mag Drop (predicted): 5.0 Mag. [for fitting]

[Telescope] Aperture: 20cm Type: SCT F=3.3

[Camera] Analog or Digital video , Model= ASI290MM

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

[Setting] Area: 1520x708 ; Binning=2

Gain: 513 ; Brightness: 176 ; High Speed Mode: Off

[Time keep] GPS ; Model: GT902MGG

[Evidence] GPS Time Log : Recorded ; Screen shot: Recorded

[Condition] Stability: Steady Transparency: Clear

[Remarks]

[Additional comment]

Uesd Mag drop

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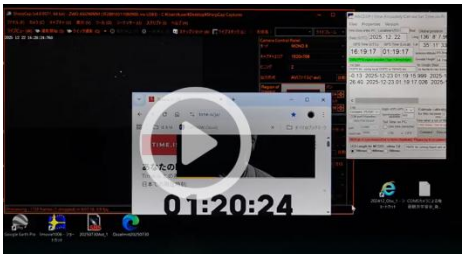

<個別の解析図、xmlファイル、Light Curve、Textファイル等は以下にあります。
https://u.pcloud.link/publink/show?code=kZm2Cx5Zn2bO0OfWbqmUwStrhHFXkmEXMJ1y