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

[Date] 2025. 3.19 [Approx hour] 14.6
[Star] Tycho2 0852-01122-1 VMag=9.76 RMag=9.36
[Asteroid] (306)Unitas 12.55 mag. Dia=47.7±2.4km Main-belt Asteroid

[Observer] 1: Takeshi Nemoto 2:
[Location] Kawagoe,Saitama, JPN
[Longitude] 139o32'9.6" E
[Latitude] 35o56'25.2" N
[Altitude] 9m
[Datum] WGS84

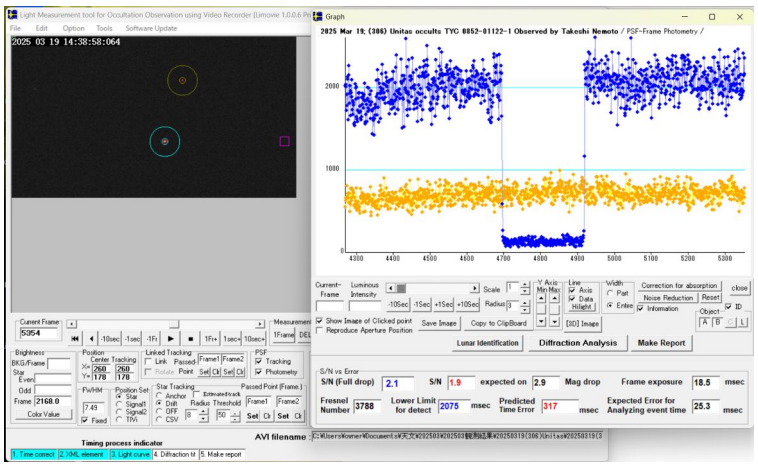
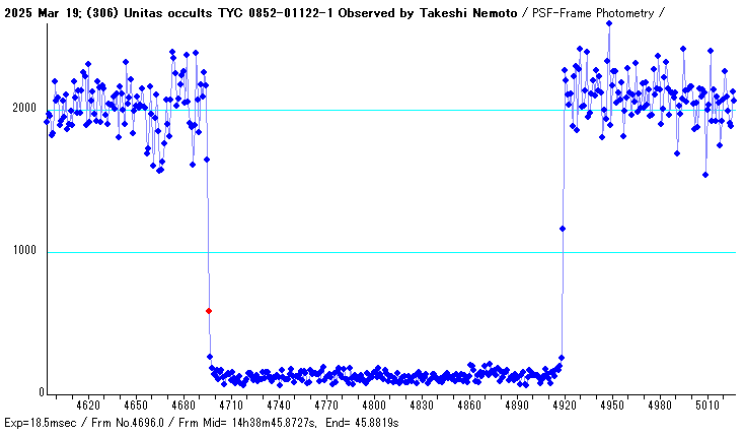
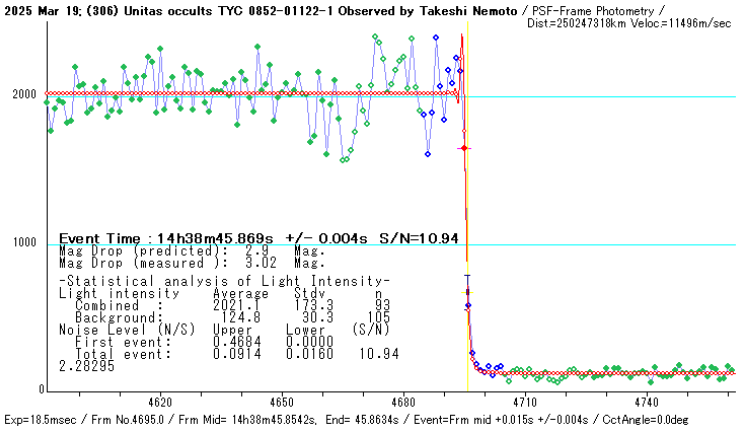
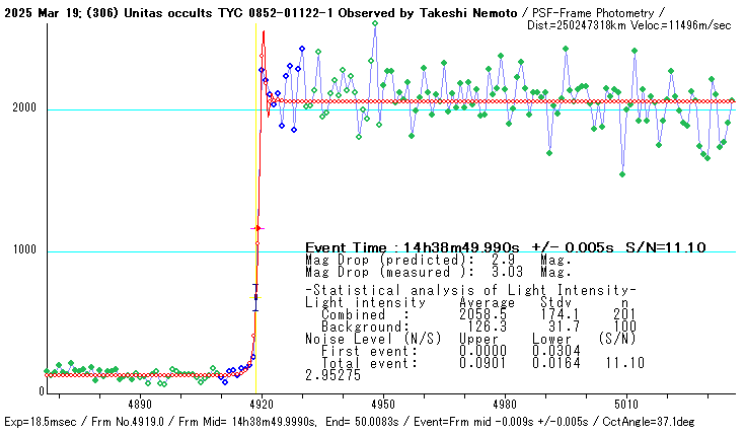
[Event time] D: 14h38m45.869s +/- 0.004s (UTC) S/N=10.94
R: 14h38m49.990s +/- 0.005s (UTC) S/N=11.10 Ctt=37.1
[Predicted Time error] 0.317 sec [RUWE] 0.95

[Recorded] From 14h37m19s
To 14h40m19s

[Mag. drop] D: Measured: Mag Drop (measured): 3.02 Mag. ; Predicted: Mag Drop (predicted): 2.9 Mag.
R: Measured: Mag Drop (measured): 3.03 Mag. ; Predicted: Mag Drop (predicted): 2.9 Mag.

[Telescope] Aperture: 25cm Type: Newtonian F=3.1
[Camera] Analog or Digital video , Model= ASI290MM
[Exposure] Set: 18.5msec, Measure: 18.5msec
[Setting] Area: 968x548 ; Binning=2
Gain: 410 ; Brightness: 125 ; High Speed Mode: Off
[Time keep] GPS ; Model: GT902MGG
[Evidence] GPS Time Log : Recorded ; Screen shot: Recorded

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

[Additional comment]

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