

(7180) 1991NG1 occults TYC 1386-01168-1 on 2025 Feb 4 from 14h38m to 14h53m UT

Katsumasa Hosoi / Miharu, Fukushima

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

[Date] 2025. 2. 4 [Approx hour] 14.8
[Star] Tycho2 1386-01168-1 VMag=10.13 RMag=9.75
[Asteroid] (7180)1991 NG1 17.92 mag.

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

[Event time] D: 14h44m31.080s +/- 0.004s (UTC) S/N=14.24 Ctt=51.9
R: 14h44m31.722s +/- 0.007s (UTC) S/N=9.43 Ctt=53.8
[Predicted Time error] 0.237 sec [RUWE] 0.90

[Recorded] From 14h43m38s
To 14h47m58s

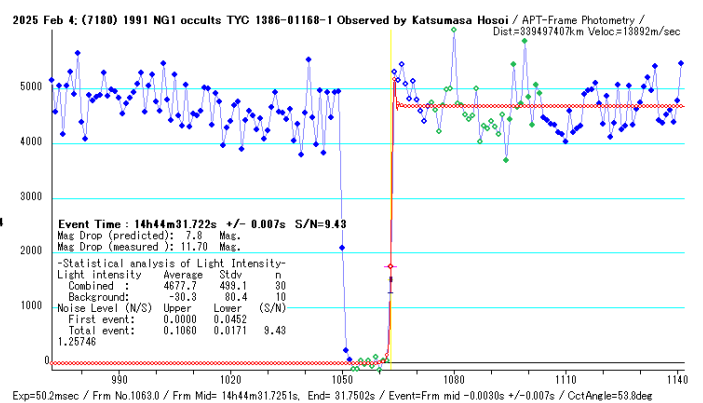
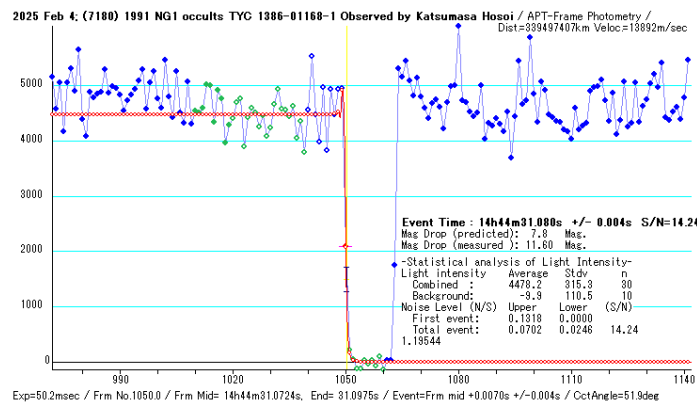
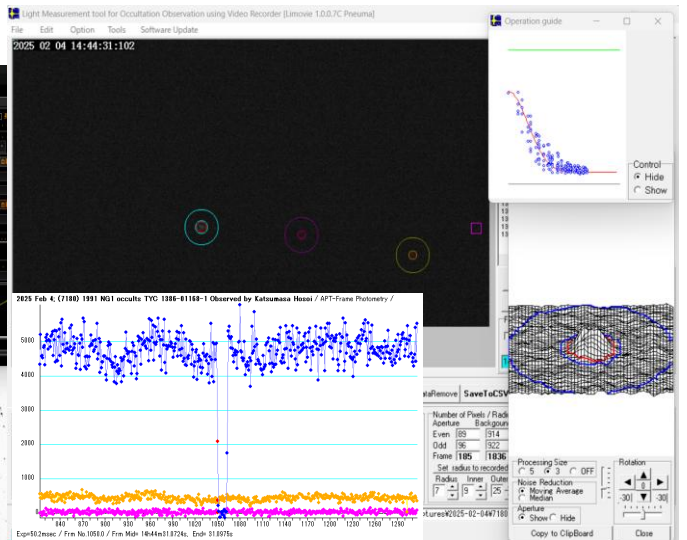
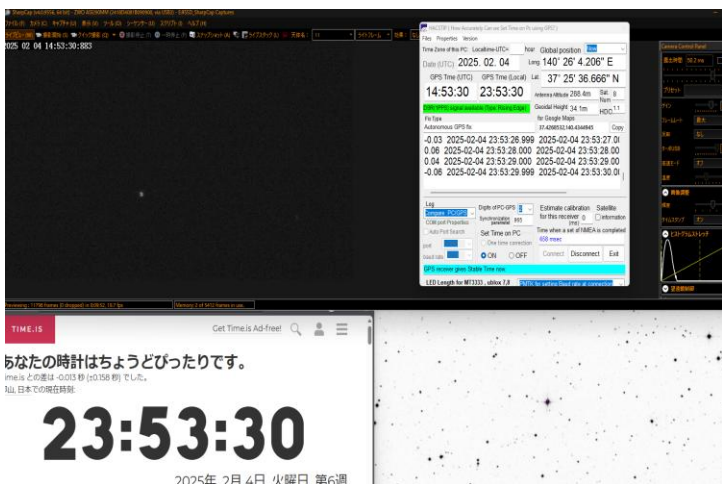
[Mag. drop] D: Measured: Mag Drop (measured) : 11.60 Mag. ;
Predicted: Mag Drop (predicted) : 7.8 Mag.
R: Measured: Mag Drop (measured) : 11.70 Mag. ;
Predicted: Mag Drop (predicted) : 7.8 Mag.

[Telescope] Aperture: 25cm Type: Newtonian F=4.0
[Camera] Analog or Digital video , Model= ASI290MM
[Exposure] Set: 50.2msec, Measure: 50.2msec
[Setting] Area: 1448x822 ; Binning=2
Gain: 440 ; Brightness: 120 ; 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]

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<ID>1|Katsumasa Hosoi||0|Miharu, Fukushima|JPN|
+140 26 04.2|+37 25 36.7|274| |25|2|a|a</ID>
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<R>14 44 31.722|R|0.007|</R>
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