

# Asteroid Occultation Report

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

[Date ] 2025. 7.22 [Approx hour] 14.4  
 [Star ] UCAC4 396-114015 VMag=12.62  
 RMag=11.61  
 [Asteroid ] (4210)Isobelthompson 17.23  
 mag. Dia=10.3±1km Main-belt Asteroid

[Observer ] 1: Takeshi Nemoto 2:  
 [Location ] Chofu, Tokyo, JP  
 [Longitude ] 139°33'11.9" E  
 [Latitude ] 35°40'19.8" N  
 [Altitude ] 55m  
 [Datum ] WGS84

[Event time] D: 14h23m01.524s +/- 0.030s (UTC)  
 S/N=7.31

R: 14h23m02.525s +/- 0.029s (UTC)

S/N=8.18

[Predicted Time error] 0.277 sec [RUWE] 0.90

[Recorded ] From 14h21m31s  
 To 14h24m31s

[Mag. drop ] D: Measured: Mag Drop (measured) :  
 9.37 Mag. ; Predicted: Mag Drop (predicted): 4.6  
 Mag.

R: Measured: Mag Drop (measured) : 9.38  
 Mag. ; Predicted: Mag Drop (predicted): 4.6 Mag.

[Telescope ] Aperture: 25cm Type: Newtonian F=3.1  
 [Camera ] Analog or Digital video , Model=  
 ASI290MM

[Exposure ] Set: 112.0msec, Measure: 112msec

[Setting ] Area: 800x480 ; Binning=2  
 Gain: 455 ; Brightness: 0 ; High Speed

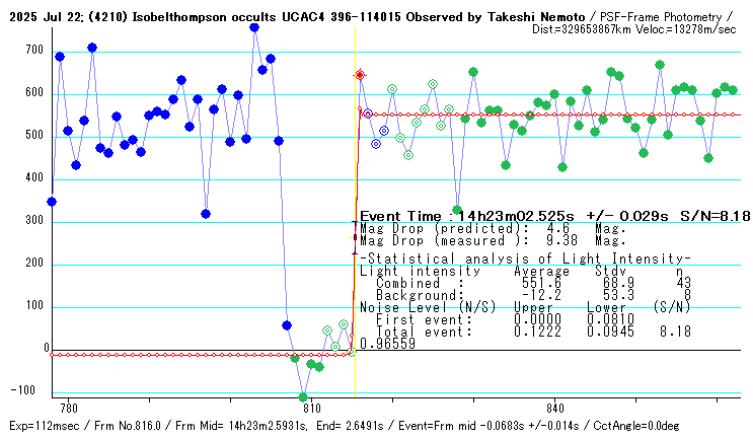
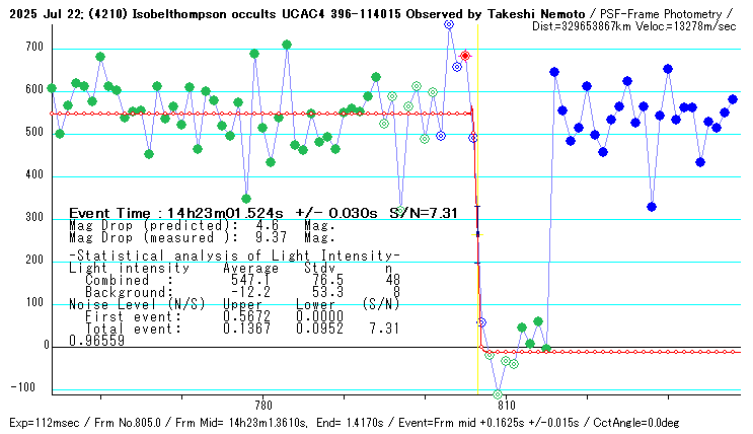
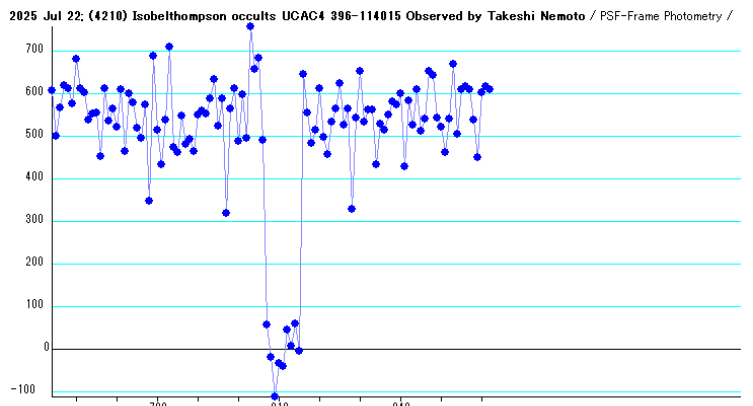
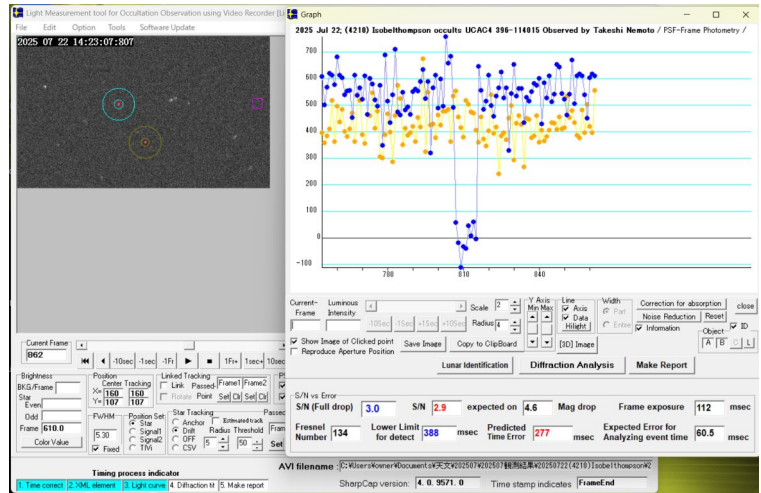
Mode: Off

[Time keep ] GPS ; Model: GT902MGG

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

[Condition ] Stability: Unspecified Transparency:  
 Unspecified  
 [Remarks ]

[Additional comment]



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<Observations>

<Event>

<Date>2025|7|22|14.4</Date>

<Details>

<Star>UCAC4|396-114015|0||0.000000000|0.000000000|  
0.00|0.00|0.00|0.00000000|0.00000000|25.00|25.00|25.00|0</  
Star>

<Asteroid>4210|Isobelthompson|0.00000000|0.00000000|  
0.00000000|0.00000000|0.00000000|0.00000000|1.00000|0.00000|  
0.0|1.0|20.00</Asteroid>

</Details>

<Observations>

<Observer>

<ID>1|Takeshi Nemoto||0|Chofu, Tokyo|JP|+139 33 11.9|  
+35 40 19.8|55| |25|2|a|a</ID>

<Conditions> | |7.74|</Conditions>

<D>14 23 1.524|D|0.030||| </D>

<R>14 23 2.525|R|0.029||| </R>

</Observer>

</Observations>

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

</Event>

</Observations>

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Text-based Light curve  
(4210)\_20250722\_142257\_Takeshi\_Nemoto.dat

Date: 2025-7-22 14:22:57.44: 9.41: 85

Star: 0: 0: 0: 0-0-0: 396-114015

Observer: +139:33:11.9: +35:40:19.8: 55: Takeshi Nemoto

Object: Asteroid: 4210: Isobelthompson

Values:522:609:464:600:577:518:496:574:348:688:513:433:53

9:709:473:462:548:481:493:463:549:560:552:588:632:523:588

:319:565:611:488:598:495:757:656:682:491:57:-19:-112:-33:-

40:44:7:59:-4:646:555:482:

514:611:496:456:534:565:624:525:564:328:543:652:534:561:5

61:433:528:515:549:580:574:599:429:582:527:610:511:540:65

3:642:542:522:462:540:670:504