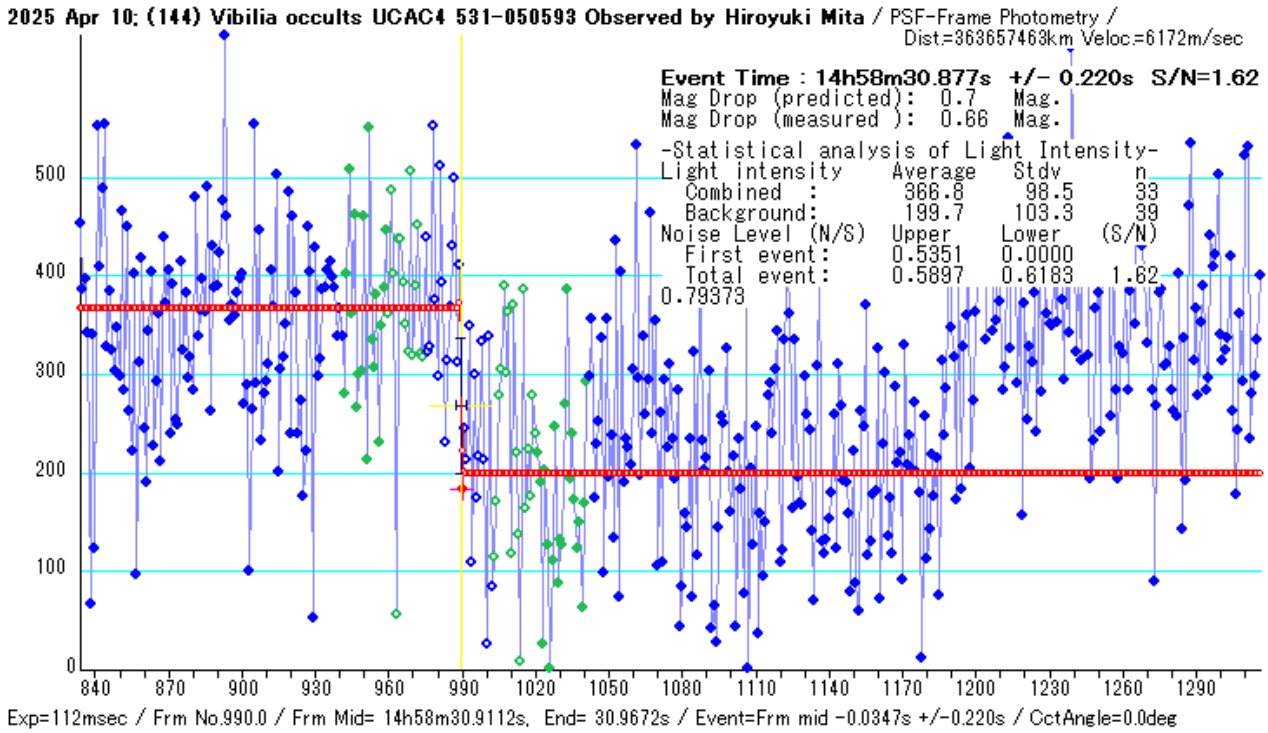
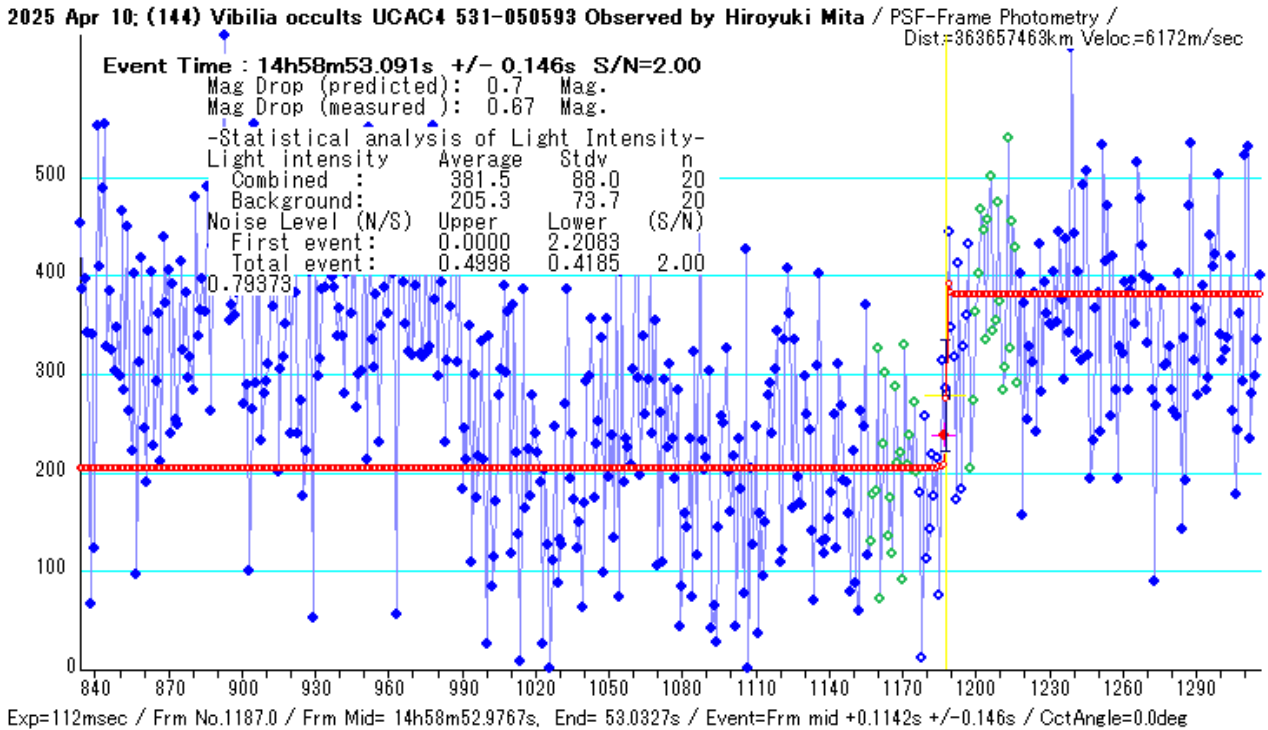


小惑星 (144) Vibia が UCAC4 531-050593 を掩蔽

潜入



出現



東経 143 度 12 分 25.1 秒 北緯 42 度 56 分 42.8 秒 標高 43m WGS84

D=200mm f=800mm(F4) Vixen ニュートン式反射 に Reducer で f=600mm

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

[Date] 2025. 4. 10 [Approx hour] 15.1
[Star] UCAC4 531-050593 VMag=13.41 RMag=12.87
[Asteroid] (144)Vibilia 13.30 mag.

[Observer] 1: Hiroyuki Mita 2:
[Location] Otofuke, Hokkaido, JP
[Longitude] 143o12' 25.1" E
[Latitude] 42o56' 42.8" N
[Altitude] 43m
[Datum] WGS84

[Event time] D: 14h58m30.877s +/- 0.220s (UTC) S/N=1.62
R: 14h58m53.091s +/- 0.146s (UTC) S/N=2.00
[Predicted Time error] 0.657 sec [RUWE] 1.00

[Recorded] From 14h56m40s
To 15h0m41s

[Mag. drop] D: Measured: Mag Drop (measured): 0.66 Mag. ; Predicted: Mag Drop (predicted): 0.7 Mag.
R: Measured: Mag Drop (measured): 0.67 Mag. ; Predicted: Mag Drop (predicted): 0.7 Mag.

[Telescope] Aperture: 20cm Type: Newtonian F=3.0
[Camera] Analog or Digital video , Model= ASI290MM
[Exposure] Set: 112.0msec, Measure: 112msec
[Setting] Area: 1096x1096 ; Binning=2
Gain: 399 ; Brightness: 5 ; High Speed Mode: Off
[Time keep] GPS ; Model: GT902MGG
[Evidence] GPS Time Log : Recorded ; Screen shot: Recorded

[Condition] Stability: Slight flickering Transparency: Thin cloud >2
[Remarks]

[Additional comment]

<Observations>

<Event>

<Date>2025|4|10|15.1</Date>

<Details>

<Star>UCAC4|531-

050593|0||0.000000000|0.00000000|0.00|0.00|0.00|0|0.0000000|0.000000|25.00|25.00|25.00|0</Star>

<Asteroid>144|Vibilia|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|Hiroyuki Mita||0|Otofuke, Hokkaido|JP|+143 12 25.1|+42 56 42.8|43| |20|2|a|a</ID>

<Conditions>2|4|1.81||</Conditions>

<D>14 58 30.877|D|0.220||| </D>

<R>14 58 53.091|R|0.146||| </R>

</Observer>

</Observations>

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

</Event>

</Observations>

Text-based Light curve

(144)_20250410_145813_Hiroyuki_Mita.dat

Date: 2025-4-10 14:58:13.44: 53.99: 483

Star: 0: 0: 0: 0-0-0: 531-050593

Observer: +143:12:25.1: +42:56:42.8: 43: Hiroyuki Mita

Object: Asteroid: 144: Vibilia

Values: 453:386:398:342:67:340:123:552:410:488:554:329:385:325:304:347:298:466:283:450:263:222:401:97:311:418:245:190:343
:403:228:293:362:211:438:372:406:240:391:254:249:415:324:384:296:317:284:479:339:
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281:299:336:400