

(997)Priska occults UCAC4 497-046896

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

[Date] 2026. 1.13 [Approx hour] 14.8
[Star] UCAC4 497-046896 VMag=12.94 RMag=12.41
[Asteroid] (997)Priska 17.04 mag.

[Observer] 1: Katsuhiko Kitazaki 2:
[Location] Musashino, Tokyo, JP
[Longitude] 139o33'41.2" E
[Latitude] 35o42'37.0" N
[Altitude] 66m
[Datum] WGS84

[Event time] D: 14h50m05.102s +/- 0.013s (UTC) S/N=8.00
R: 14h50m06.483s +/- 0.011s (UTC) S/N=9.14
[Predicted Time error] 0.135 sec [RUWE] 1.00

[Recorded] From 14h49m20s
To 14h50m40s

[Mag. drop] D: Measured: Mag Drop (measured): 3.16 Mag. ; Predicted:
Mag Drop (predicted): 4.1 Mag.
R: Measured: Mag Drop (measured): 3.12 Mag. ; Predicted:
Mag Drop (predicted): 4.1 Mag.

[Telescope] Aperture: 40cm Type: Classical Cassegrain
F=2.6 (Reducer x0.26)

[Camera] Analog or Digital video , Model= ASI462MM

[Exposure] Set: 82.8msec, Measure: 82.8msec

[Setting] Area: 1936x600 ; Binning=2
Gain: 425 ; Brightness: 55 ; High Speed Mode: Off

[Time keep] GPS ; Model: GT502MGG(PPSPUcorrection-0.0110908s)

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

[Condition] Stability: Strong flickering Transparency: Clear

[Remarks] Both the disappearance and reappearance were sudden Mag dorp.

[Additional comment]

Capture : ZWO ASI 462MM imaging data to PC using SharpCap4.1.14013.0

Photometry analysis : Analyzed with software.limovie1.0.1.8 Pneuma

Photometry method : PSF photometry

(Sharp4.1 ON,Star's Angular Diameter=ON)

Data Release Site:

https://drive.google.com/drive/folders/1Scm63jGE_SJbyI6y48C2lWuR5A2P02WW?usp=sharing

<Observations>

<Event>

<Date>2026|1|13|14.8</Date>

<Details>

<Star>UCAC4|497-

046896|0|0.000000000|0.000000000|0.00|0.00|0.00|0|0.00000000|0.00000000|25.00|25.00|25.00|0</Star>

<Asteroid>997|Priska|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|Katsuhiko Kitazaki||0|Musashino, Tokyo|JP|+139 33 41.2|+35 42 37.0|66|40|6|a|a</ID>

<Conditions>3|1|8.57||Both the disappearance and reappearance were sudden Mag dorp.</Conditions>

<D>14 50 5.102|D|0.013||| </D>

<R>14 50 6.483|R|0.011||| </R>

</Observer>

</Observations>

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

</Event>

</Observations>

Text-based Light curve

(997)_20260113_145002_Katsuhiko_Kitazaki.dat

Date: 2026-1-13 14:50:2.44: 6.96: 85

Star: 0: 0: 0: 0: 0-0-0: 497-046896

Observer: +139:33:41.2: +35:42:37.0: 66: Katsuhiko Kitazaki

Object: Asteroid: 997: Priska

Values:1898:1958:1894:2037:2201:2294:2295:2060:1922:1971:2183:2308:2105

:2010:1897:1960:1814:2252:2168:1561:1884:1543:2335:1883:1576:1770:2284:

1953:1756:2342:2189:1600:1313:244:-22:97:-19:-80:355:70:242:70:48:-

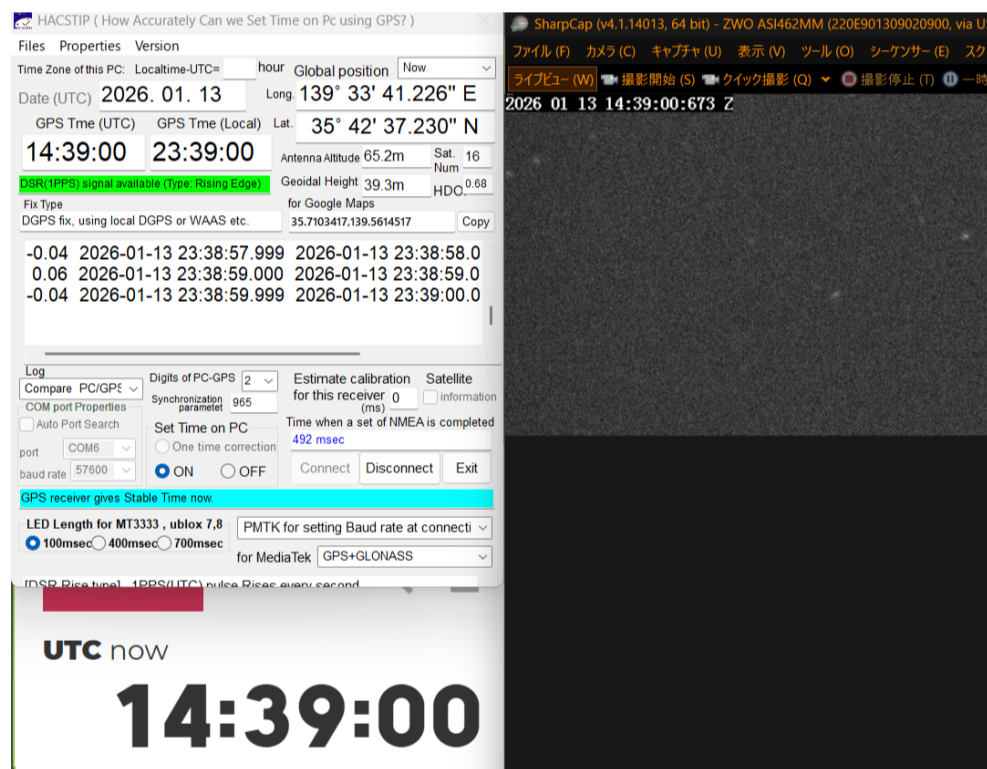
46:167:90:316:95:244:

1479:1906:1843:2027:2260:2515:1853:1708:2275:2015:1676:1578:1766:1904:2

251:1826:1968:2052:1804:2233:1777:2110:2049:2163:1777:1956:1798:1664:20

86:2535:1921:2180:2636:1855:2065:2296

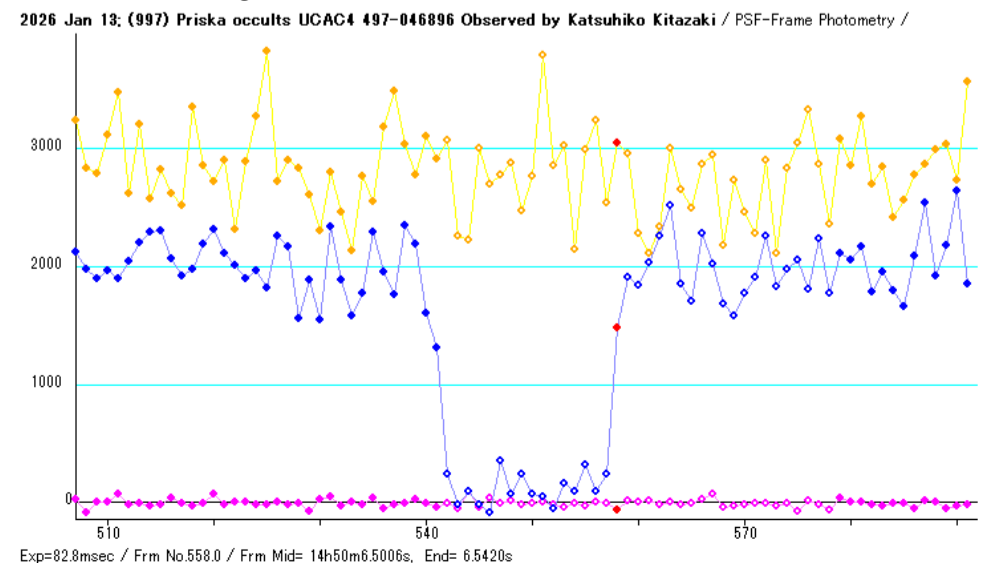
UTC Time Evidence



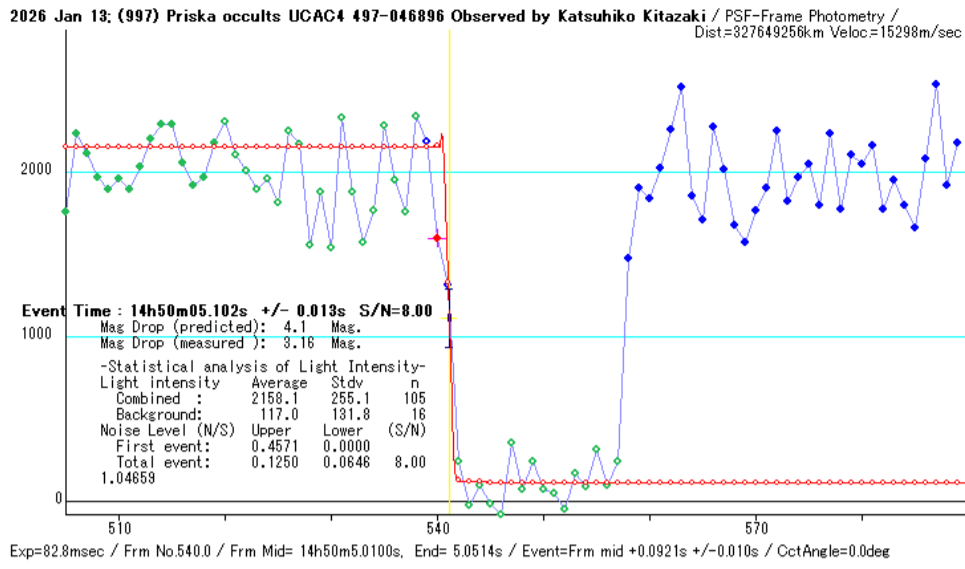
Target Star Position (Target star = Blue, Comparison star = Yellow, Pink = Background metering)



Light curve (Target star = Blue line, Target star = Yellow line
Background = Pink Line)



Time analysis of disappearance



Time analysis of reappearance

