

(51852)2001 OB95 occults UCAC4 531-014864

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

[Date] 2026. 1.15 [Approx hour] 11.3
[Star] UCAC4 531-014864 VMag=13.05 RMag=12.16
[Asteroid] (51852)2001 OB95 17.00 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: 11h19m27.152s +/- 0.017s (UTC) S/N=6.86
R: 11h19m28.322s +/- 0.017s (UTC) S/N=6.70
[Predicted Time error] 0.182 sec [RUWE] 1.00

[Recorded] From 11h19m00s
To 11h20m20s

[Mag. drop] D: Measured: Mag Drop (measured): 2.58 Mag. ; Predicted:
Mag Drop (predicted): 4.0 Mag.
R: Measured: Mag Drop (measured): 2.49 Mag. ; Predicted:
Mag Drop (predicted): 4.0 Mag.

[Telescope] Aperture: 40cm Type: Other F=2.6
[Camera] Analog or Digital video , Model= ASI462MM
[Exposure] Set: 99.3msec, Measure: 99.3msec
[Setting] Area: 1936x600 ; Binning=2
Gain: 390 ; Brightness: 0 ; High Speed Mode: Off
[Time keep] GPS ; Model: GT502MGG(PPSPUcorrection-0.0106423s)
[Evidence] GPS Time Log : Recorded ; Screen shot: Recorded

[Condition] Stability: Strong flickering Transparency: Thin cloud <2
[Remarks] There were thin clouds in the sky, and the sky was not clear. The
air currents were unstable. The effects of the air currents or the passage of thin
clouds were visible in the light curve, but the magnitude drop due to the
occultation was clearly recorded.

[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/1ta3D1b6jpF3zTo8AVjRx8iVRBdTG0v0j?usp=sharing

<Observations>
<Event>
<Date>2026|1|15|11.3</Date>
<Details>
<Star>UCAC4|531-
014864|0||0.0000000000|0.0000000000|0.00|0.00|0.00|0|0.00000000|0.0000
00|25.00|25.00|25.00|0</Star>
<Asteroid>51852|2001
OB95|0.00000000|0.00000000|0.00000000|0.00000000|0.00000000|0.00000000|1.
000000|0.000000|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|3|6.78||There were thin clouds in the sky, and the sky
was not clear. The air currents were unstable. The effects of the air currents or

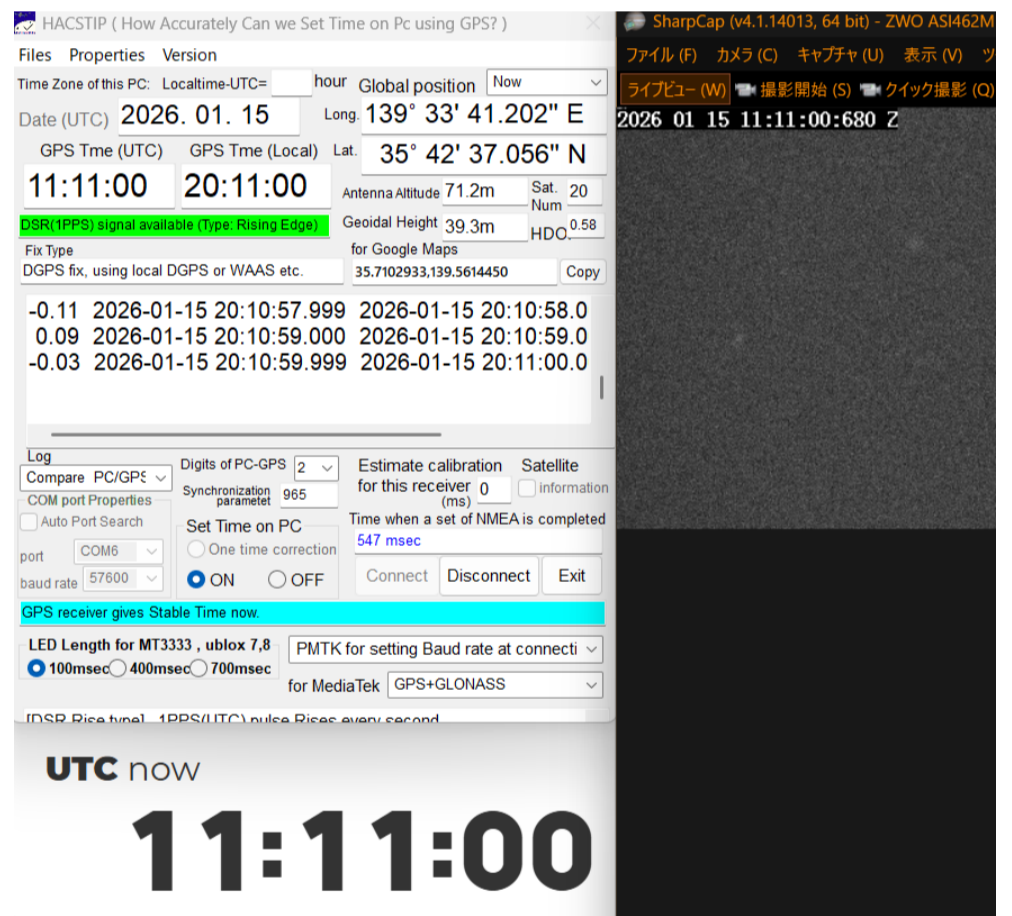
the passage of thin clouds were visible in the light curve, but the magnitude drop
due to the occultation was clearly recorded.</Conditions>

<D>11 19 27.152|D|0.017||| </D>
<R>11 19 28.322|R|0.017||| </R>
</Observer>
</Observations>
<LastEdited>2023|7|17</LastEdited>
</Event>
</Observations>

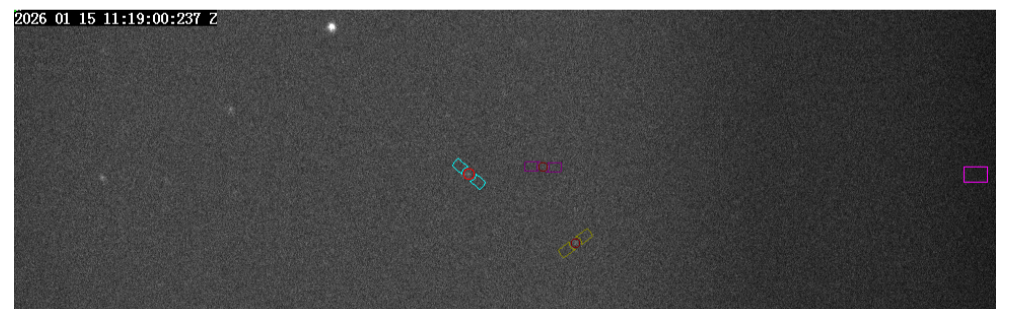
Text-based Light curve
(51852)_20260115_111923_Katsuhiko_Kitazaki.dat

Date: 2026-1-15 11:19:23.72: 8.34: 85
Star: 0: 0: 0: 0: 0-0-0: 531-014864
Observer: +139:33:41.2: +35:42:37.0: 66: Katsuhiko Kitazaki
Object: Asteroid: 51852: 2001 OB95
Values:566:669:773:591:731:673:677:618:606:383:586:698:603:716:580:610:68
4:706:706:700:567:752:662:608:542:726:590:534:678:511:585:715:552:702:671
:105:25:67:157:33:61:97:56:61:-44:3:48:713:687:
581:616:688:646:723:654:600:674:525:630:739:572:662:749:704:603:569:728:5
47:718:500:605:652:568:558:640:474:563:516:734:652:539:595:556:626:516

UTC Time Evidence

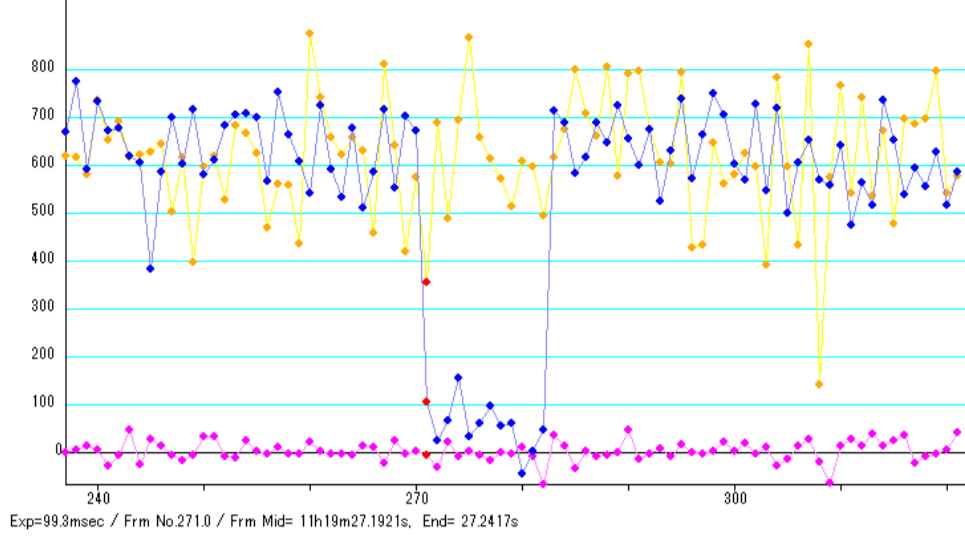


Target Star Position (Target star = Blue, Comparison star = Yellow, Pink =
Background metering)



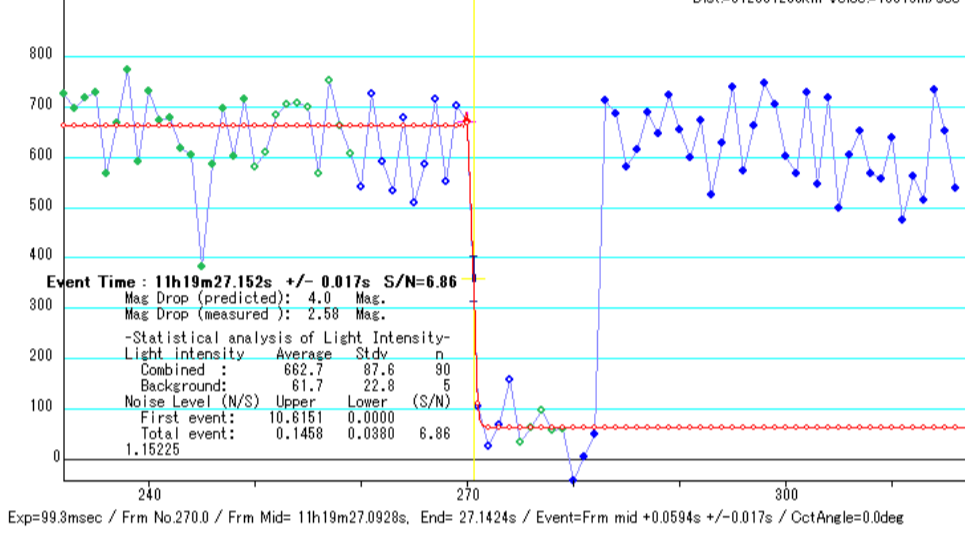
Light curve (Target star = Blue line, Target star = Yellow line
Background = Pink Line)

2026 Jan 15: (51852) 2001 OB95 occults UCAC4 531-014864 Observed by Katsuhiko Kitazaki / PSF-Frame Photometry /



Time analysis of disappearance

2026 Jan 15: (51852) 2001 OB95 occults UCAC4 531-014864 Observed by Katsuhiko Kitazaki / PSF-Frame Photometry /
Dist=312031238km Veloc=10819m/sec



Time analysis of reappearance

2026 Jan 15: (51852) 2001 OB95 occults UCAC4 531-014864 Observed by Katsuhiko Kitazaki / PSF-Frame Photometry /
Dist=312031238km Veloc=10819m/sec

