

(120456)1989 JB occults UCAC4 598-023688

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

[Date] 2025.12.27 [Approx hour] 12.4
[Star] UCAC4 598-023688 VMag=9.98 RMag=9.51
[Asteroid] (120456)1989 JB 18.66 mag.

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

[Predicted Time error] 0.228 sec [RUWE] 0.85

[Recorded] From 12h27m45s
To 12h28m45s

[Mag. drop] D: Measured: ; Predicted:
R: Measured: ; Predicted:

[Telescope] Aperture: 40cm Type: Other F=2.6
[Camera] Analog or Digital video , Model= ASI462MM
[Exposure] Set: 15.4msec, Measure: 15.4msec
[Setting] Area: 1936x600 ; Binning=2
Gain: 370 ; Brightness: 63 ; High Speed Mode: Off
[Time keep] GPS ; Model: GT502MGG
[Evidence] GPS Time Log : Recorded ; Screen shot: Recorded

[Condition] Stability: Strong flickering Transparency: Clear
[Remarks] It was miss. Air turbulence was poor, causing star images to appear enlarged. While there was a magnitude drop due to air turbulence, there was no magnitude drop due to occultation.

[Additional comment]
Capture : ZWO ASI290MM 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,Tracking OFF, Linked Tracking=OFF)

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</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>
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<R>12 28 15.9|M||| </R>
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<LastEdited>2023|7|17</LastEdited>
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Text-based Light curve
(120456)_20251227_122745_Katsuhiko_Kitazaki.dat

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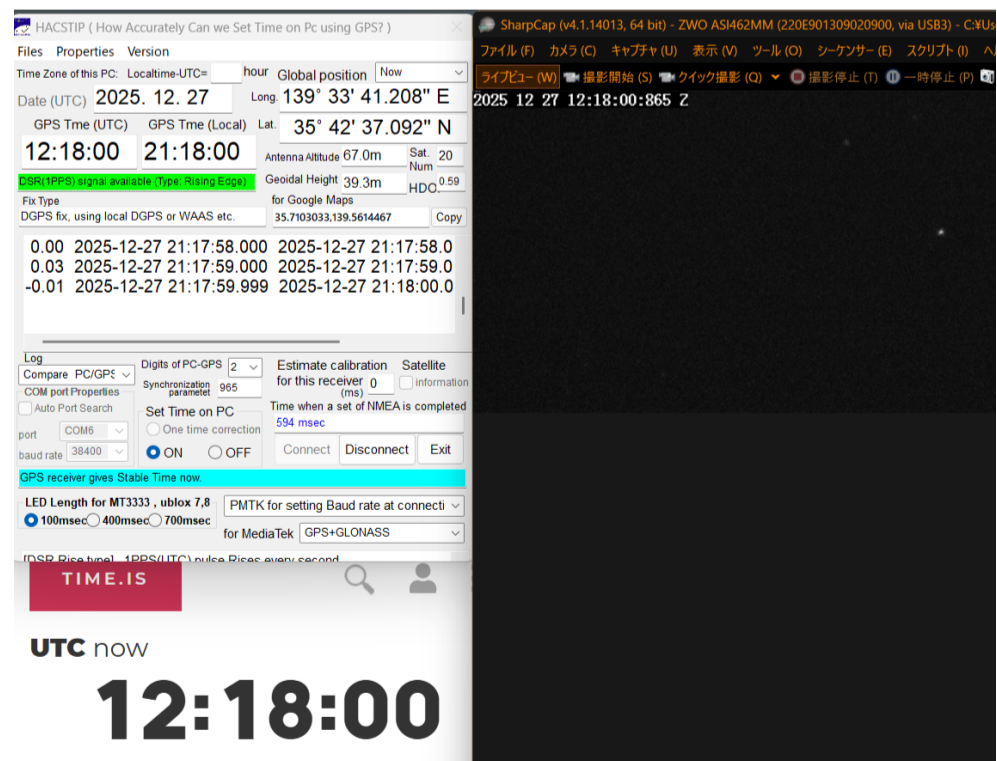
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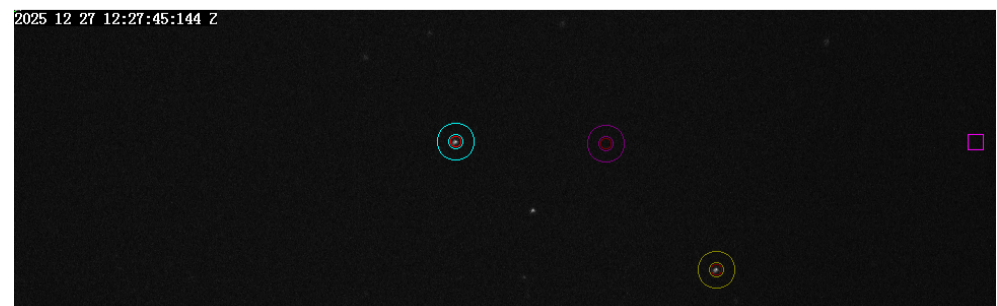
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UTC Time Evidence



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)

