

(119339)2001 SR154 occults UCAC4 622-041562

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

[Date ] 2026. 1. 8 [Approx hour] 10.1  
[Star ] UCAC4 622-041562 VMag=12.89 RMag=12.35  
[Asteroid ] (119339)2001 SR154 18.45 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: 10h16m55.691s +/- 0.023s (UTC) S/N=5.03  
R: 10h16m55.905s +/- 0.027s (UTC) S/N=4.45  
[Predicted Time error] 0.524 sec [RUWE] 1.15

[Recorded ] From 10h16m22s  
To 10h18m0s

[Mag. drop ] D: Measured: Mag Drop (measured): 3.79 Mag. ; Predicted:  
Mag Drop (predicted): 5.6 Mag. [for fitting]  
R: Measured: Mag Drop (measured): 3.74 Mag. ; Predicted:  
Mag Drop (predicted): 5.6 Mag. [for fitting]

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

[Camera ] Analog or Digital video , Model= ASI462MM

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

[Setting ] Area: 1936x800 ; Binning=2  
Gain: 350 ; Brightness: 0 ; High Speed Mode: Off

[Time keep ] GPS ; Model: GT502MGG(PPSPUcorrection-0.0218303s)

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

[Condition ] Stability: Strong flickering Transparency: Thin cloud <2

[Remarks ] The flickering of the stars was extremely strong, causing the star images to appear enlarged and unstable. While atmospheric turbulence also caused dimming, the disappearance was visible to the naked eye.

[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,Tracking OFF, Linked Tracking=ON, Correction for absorption=ON, Star's Angular Diameter=ON, Mag drop considered=ON)

Data Release Site

<https://drive.google.com/drive/folders/1EoWxxlc9JwGMshVdbPmg3KMQqxUe9FaD?usp=sharing>

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<Observations>

<Event>

<Date>2026|1|8|10.1</Date>

<Details>

<Star>UCAC4|622-

041562|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>119339|2001

SR154|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|4.74||The flickering of the stars was extremely strong, causing the star images to appear enlarged and unstable. While atmospheric turbulence also caused dimming, the disappearance was visible to the naked eye.</Conditions>

<D>10 16 55.691|D|0.023||| </D>

<R>10 16 55.905|R|0.027||| </R>

</Observer>

</Observations>

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

</Event>

</Observations>

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Text-based Light curve

(119339)\_20260108\_101651\_Katsuhiko\_Kitazaki.dat

Date: 2026-1-8 10:16:51.06: 9.41: 85

Star: 0: 0: 0: 0: 0-0-0: 622-041562

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

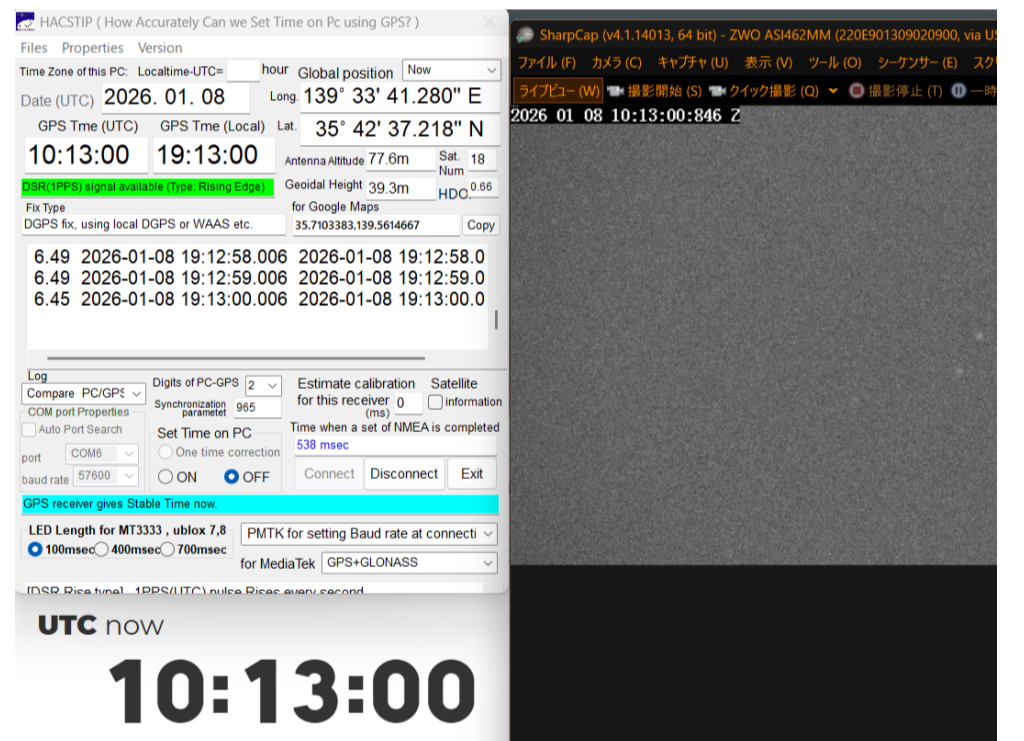
Object: Asteroid: 119339: 2001 SR154

Values:634:706:757:476:508:727:671:507:589:752:670:652:587:586:465:690:69 0:631:592:753:418:702:799:585:442:513:746:696:827:477:645:507:587:458:693 :566:533:527:574:330:564:555:20:110:573:654:608:624:574:

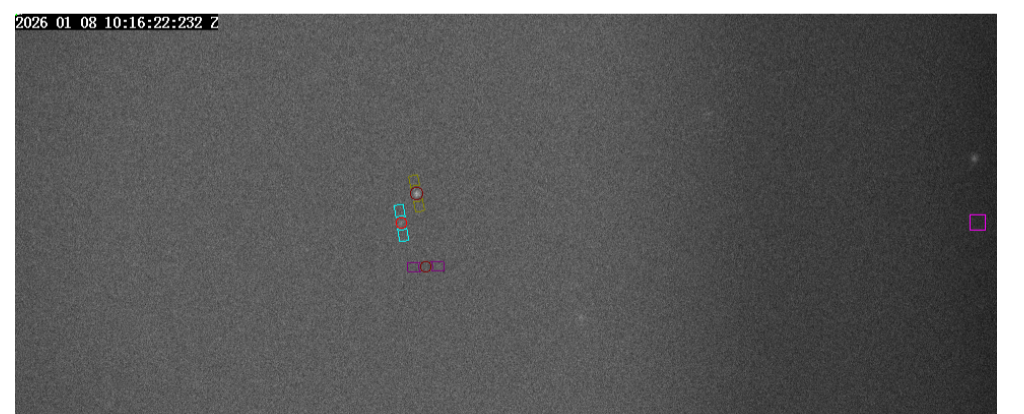
573:560:511:377:866:689:736:540:620:709:690:870:693:766:770:560:340:640:5 49:645:633:574:727:421:612:667:860:568:592:380:552:928:471:796:811:399

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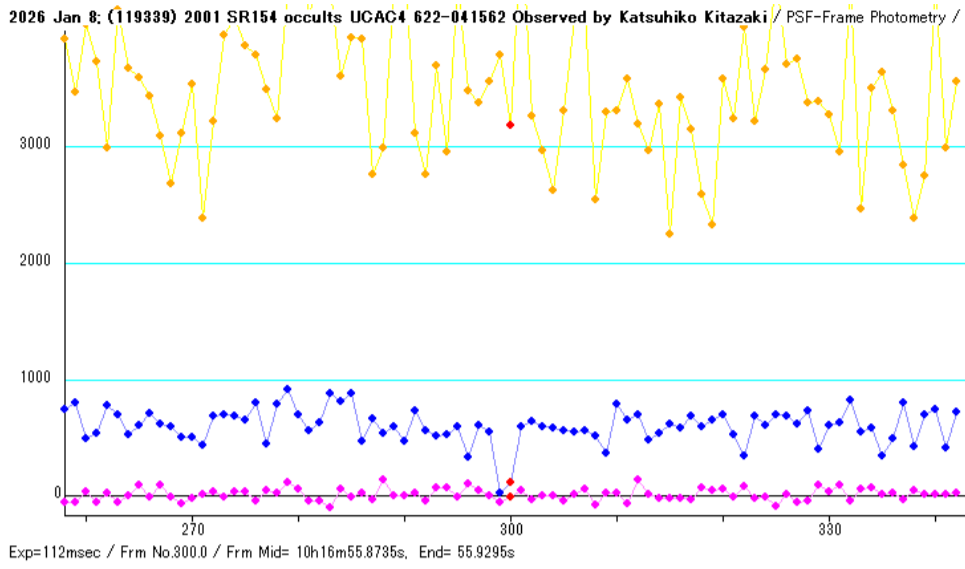
UTC Time Evidence



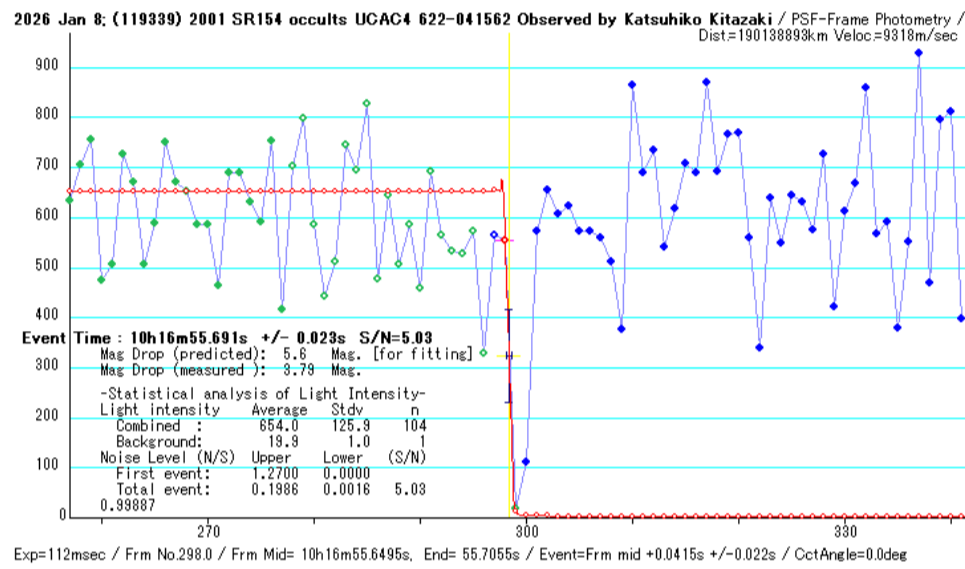
Target Star Position (Target star = Blue, Comparison star = Yellow, Pink = Background metering)



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



Time analysis of disappearance



Time analysis of reappearance

