(559)Nanon occults UCAC4 405-060900

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

[Date] 2026. 1.12 [Approx hour] 20.0
[Star] UCAC4 405-060900 VMag=13.92 RMag=13.39
[Asteroid] (559)Nanon 14.86 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: 19h59m25.706s +/- 0.044s (UTC) S/N=4.20
R: 19h59m27.961s +/- 0.032s (UTC) S/N=5.21

Expected Error for Analyzing event time 141msec

[Predicted Time error] 0.150 sec [RUWE] 0.95

[Recorded] From 19h59m0s
To 20h0m30s

[Mag. drop] D: Measured: Mag Drop (measured): 1.05 Mag. ; Predicted: Mag Drop (predicted): 1.3 Mag.
R: Measured: Mag Drop (measured): 1.10 Mag. ; Predicted: Mag Drop (predicted): 1.3 Mag.

[Telescope] Aperture: 40cm Type: Classical Cassegrain
F=2.6 (Reducer ×0.26)
[Camera] Analog or Digital video , Model= ASI462MM
[Exposure] Set: 165.0msec, Measure: 165msec
[Setting] Area: 1936x600 ; Binning=2
Gain: 365 ; Brightness: 0 ; High Speed Mode: Off
[Time keep] GPS ; Model: GT502MGG(PPSPUcorrection-0.0101648s)
[Evidence] GPS Time Log : Recorded ; Screen shot: Recorded

[Condition] Stability: Strong flickering Transparency: Clear
[Remarks] There was a shallow MagDrop of 1.050mag to 1.1mag.

[Additional comment]
Capture : ZWO ASI 462MMimaging 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, Star's Angular Diameter=ON)
Data Release Site：
https://drive.google.com/drive/folders/1M7jGT-RJdwzQM8CaZjPAVOfnIAaFTGWs?usp=sharing

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<Observations>
<Event>
<Date>2026|1|12|20.0</Date>
<Details>
<Star>UCAC4|405-060900|0||0.0000000000|0.000000000|0.00|0.00|0.00|0|0.00000000|0.00000000|25.00|25.00|25.00|0</Star>

<Asteroid>559|Nanon|0.00000000|0.00000000|0.0000000|0.0000000|0.0000000|0.0000000|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|4.71||There was a shallow MagDrop of 1.050mag to 1.1mag.</Conditions>
<D>19 59 25.706|D|0.044||| </D>
<R>19 59 27.961|R|0.032||| </R>
</Observer>
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<LastEdited>2023|7|17</LastEdited>
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</Observations>

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Text-based Light curve
(559)_20260112_195919_Katsuhiko_Kitazaki.dat

Date: 2026-1-12 19:59:19.81: 13.86: 85
Star: 0: 0: 0: 0: 0-0-0: 405-060900
Observer: +139:33:41.2: +35:42:37.0: 66: Katsuhiko Kitazaki
Object: Asteroid: 559: Nanon
Values:861:846:818:848:867:915:934:854:850:620:926:627:833:754:769:1048:569:612:803:730:806:720:765:875:813:787:893:1043:949:856:810:860:825:628:679:749:405:308:245:370:242:408:174:330:311:327:340:278:236:
351:777:704:823:743:719:747:636:791:881:767:716:858:654:584:790:811:649:915:832:968:790:799:856:871:852:850:973:870:752:834:854:769:878:822:804
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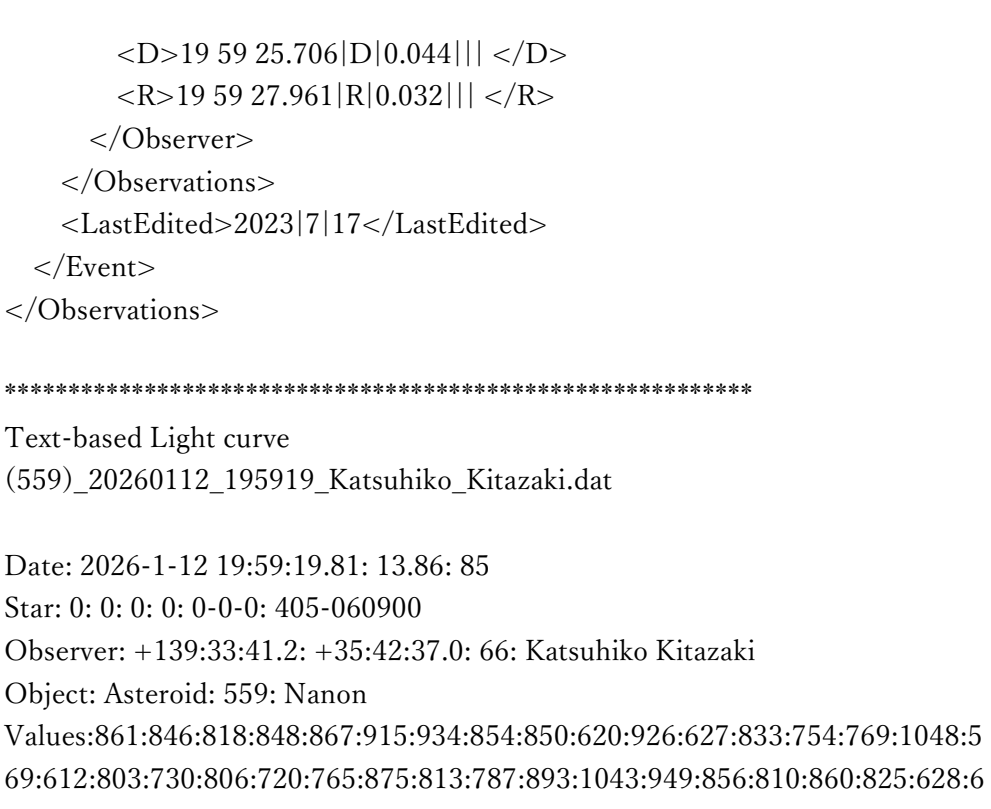
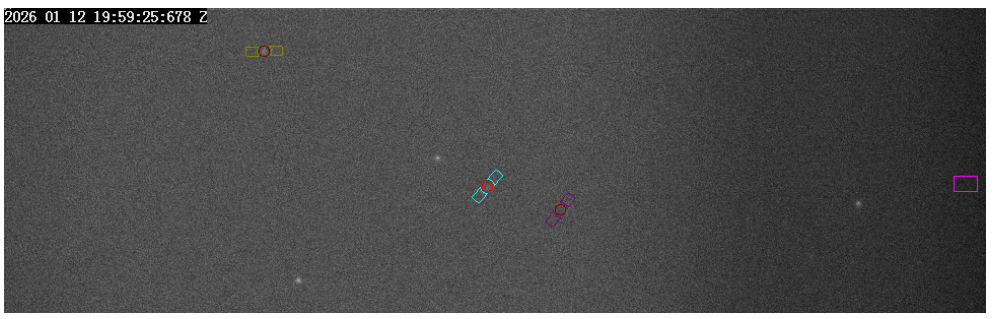
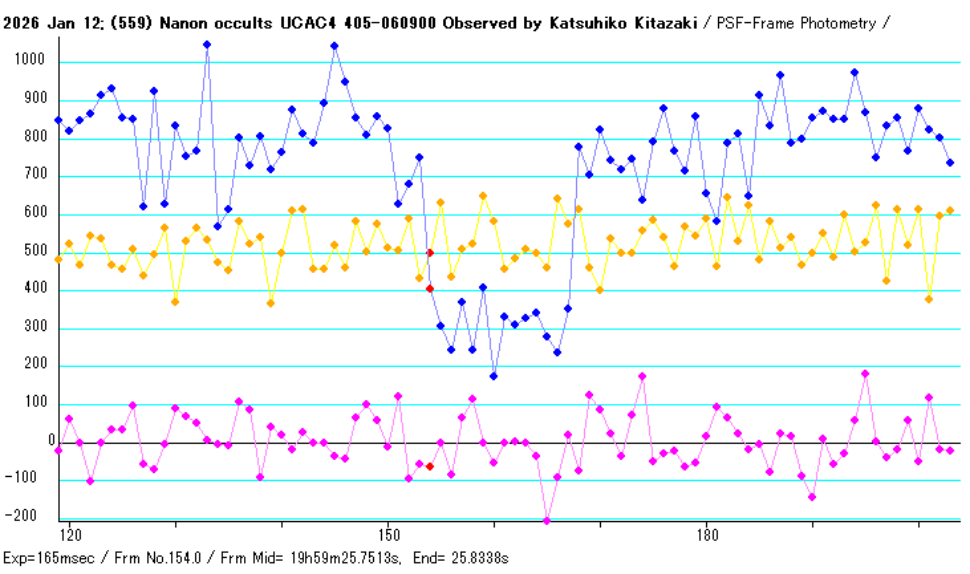
UTC Time Evidence



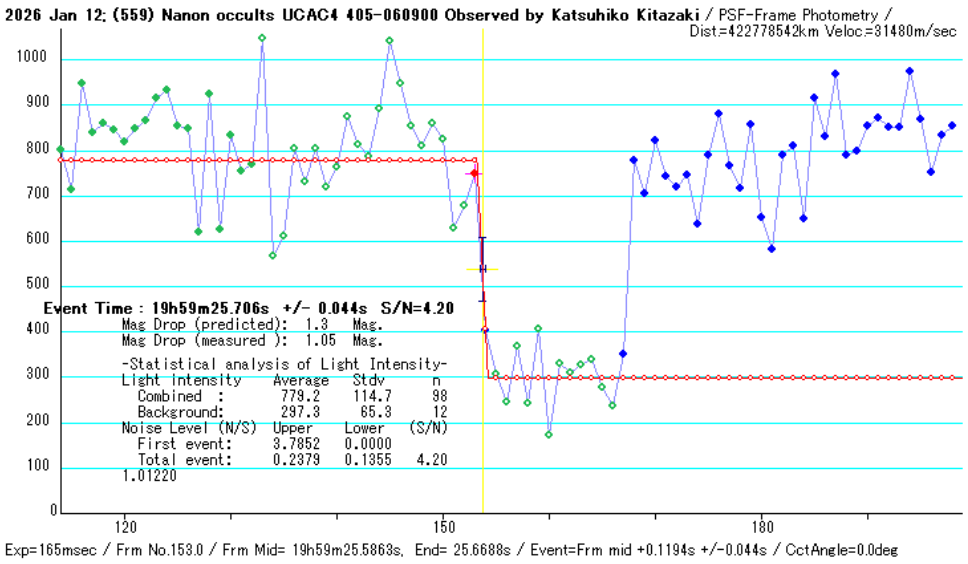
Target Star Position (Target star = Blue, Comparison star = Yellow, Pink = Background metering)



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



Time analysis of disappearance



Time analysis of reappearance