

(2659)Millis occults UCAC4 382-066170

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

[Date ] 2025. 5.14 [Approx hour] 17.4
[Star ] UCAC4 382-066170 VMag=12.94 RMag=12.53
[Asteroid ] (2659)Millis 16.23 mag.

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

[Event time] D: 17h21m59.528s +/- 0.016s (UTC) S/N=5.65
R: 17h22m01.380s +/- 0.020s (UTC) S/N=4.67
[Predicted Time error] 0.346 sec [RUWE] 0.95

[Recorded ] From 17h21m29s
To 17h22m30s

[Mag. drop ] D: Measured: Mag Drop (measured): 3.17 Mag. ; Predicted:
Mag Drop (predicted): 3.3 Mag.
R: Measured: Mag Drop (measured): 3.11 Mag. ; Predicted:
Mag Drop (predicted): 3.3 Mag.

[Telescope ] Aperture: 40cm Type: Other F=2.5
[Camera ] Analog or Digital video , Model= ASI290MM
[Exposure ] Set: 90.3msec, Measure: 90.3msec
[Setting ] Area: 1936x800 ; Binning=2
Gain: 390 ; Brightness: 0 ; High Speed Mode: Off

[Time keep ] GPS ; Model: GHS-OSD(PPSPUcorrection -0.0154640s)
[Evidence ] GPS Time Log : Recorded ; Screen shot: Recorded

[Condition ] Stability: Slight flickering Transparency: Fog
[Remarks ] With foggy sky and moonlight, the target star was bright but S/N was poor.

[Additional comment]
Capture : ZWO ASI290MM imaging data to PC using SharpCap4.1.13193.0
Photometry analysis : Analyzed with software.limovie1.0.1.8 Pneuma
Photometry method : PSF photometry
(Sharp4.1 ON,Tracking OFF, Linked Tracking=ON,Star's Angular Diameter=ON)

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<Observations>

<Event>
<Date>2025|5|14|17.4</Date>
<Details>
<Star>UCAC4|382-066170|0|0.000000000|0.00000000|0.00|0.00|0.00|0|0.00000000|0.00000000|25.00|25.00|25.00|0</Star>

<Asteroid>2659|Millis|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|Musasino, Tokyo|JP|+139 33 41.2|+35 42 37.0|66| |40|6|a|a</ID>
<Conditions>2|2|5.16||With foggy sky and moonlight, the target star was bright but S/N was poor.</Conditions>
<D>17 21 59.528|D|0.016||| </D>
<R>17 22 1.380|R|0.020||| </R>
</Observer>
</Observations>
<LastEdited>2023|7|17</LastEdited>

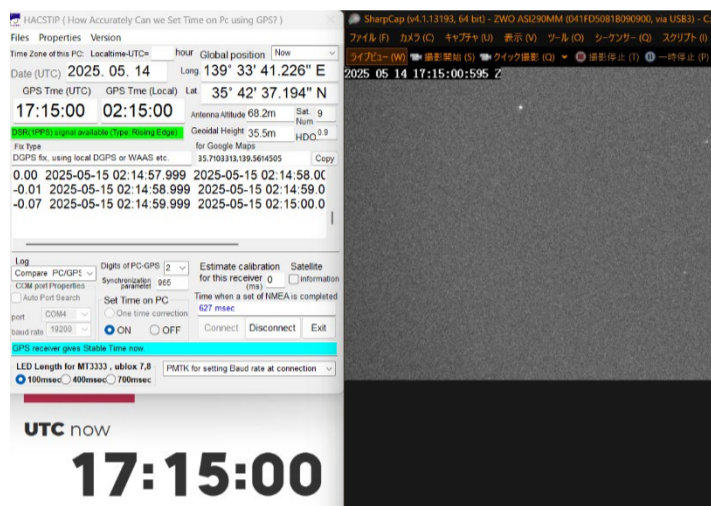
</Event>
</Observations>

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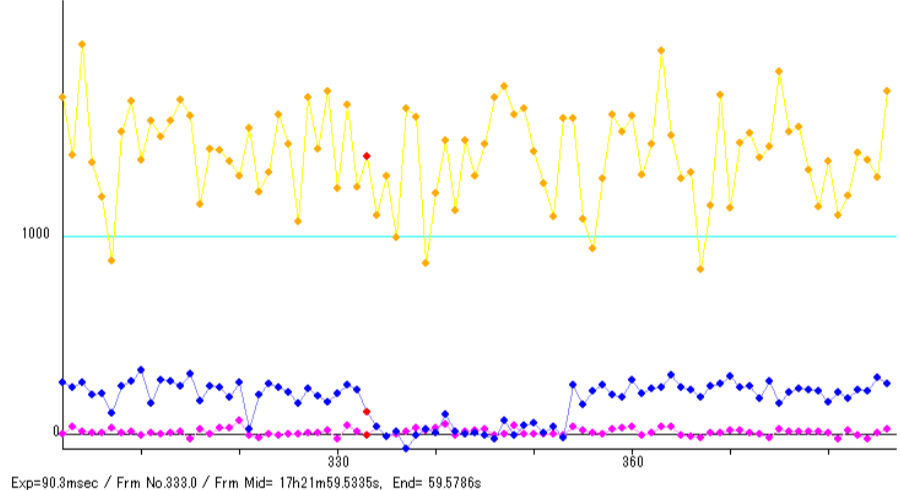
Text-based Light curve
(2659)\_20250514\_172156\_Katsuhiko\_Kitazaki.dat

Date: 2025-5-14 17:21:56.64: 7.59: 85
Star: 0: 0: 0: 0: 0-0-0: 382-066170
Observer: +139:33:41.2: +35:42:37.0: 66: Katsuhiko Kitazaki
Object: Asteroid: 2659: Millis
Values:258:257:236:257:198:202:103:243:265:321:154:275:268:243:304:166:23
9:234:184:258:20:197:253:234:207:150:228:192:157:206:244:223:107:32:-
16:9:-78:-10:25:1:94:12:-2:5:-12:-25:67:-9:44:
54:5:33:-
19:247:145:214:245:198:183:273:202:226:232:299:232:222:187:243:252:288:23
3:239:175:264:152:208:226:222:217:162:211:181:225:213:286

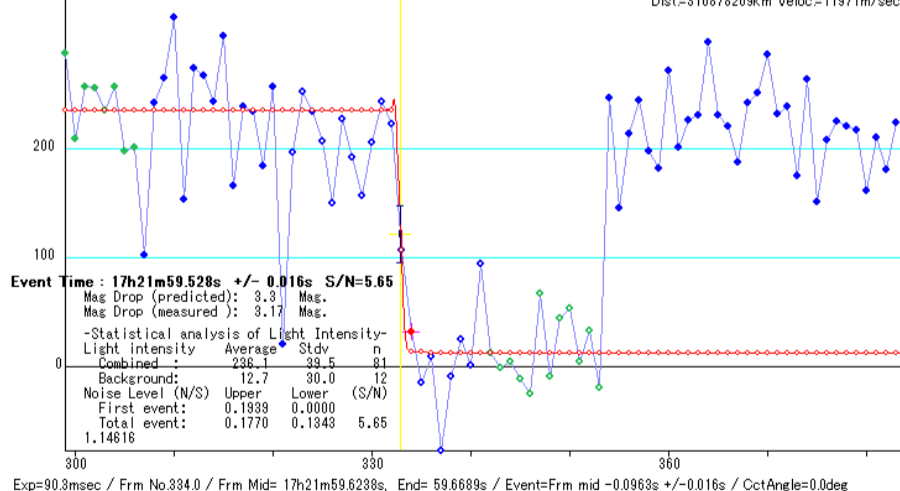
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2025 May 14: (2659) Millis occults UCAC4 382-066170 Observed by Katsuhiko Kitazaki / PSF-Frame Photometry /



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