

(2321)Luznice occults UCAC4 614-030010

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

[Date ] 2026. 1.16 [Approx hour] 11.1
[Star ] UCAC4 614-030010 VMag=13.20 RMag=12.70
[Asteroid ] (2321)Luznice 16.48 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: 11h09m42.601s +/- 0.015s (UTC) S/N=8.80
R: 11h09m44.064s +/- 0.013s (UTC) S/N=10.08
[Predicted Time error] 0.247 sec [RUWE] 0.95

[Recorded ] From 11h09m15s
To 11h10m30s

[Mag. drop ] D: Measured: Mag Drop (measured): 2.26 Mag. ; Predicted:
Mag Drop (predicted): 3.3 Mag.
R: Measured: Mag Drop (measured): 2.26 Mag. ; Predicted:
Mag Drop (predicted): 3.3 Mag.

[Telescope ] Aperture: 40cm Type: Classical Cassegrain
F=2.6 (Reducer x0.26)
[Camera ] Analog or Digital video , Model= ASI462MM
[Exposure ] Set: 99.3msec, Measure: 99.3msec
[Setting ] Area: 1936x600 ; Binning=2
Gain: 380 ; Brightness: 0 ; High Speed Mode: Off

[Time keep ] GPS ; Model: GT502MGG(PPSPUcorrection-0.0093194s)
[Evidence ] GPS Time Log : Recorded ; Screen shot: Recorded

[Condition ] Stability: Strong flickering Transparency: Clear
[Remarks ] There were no steps or smooth curves during either the
disappearance or reappearance.

[Additional comment]
Capture : ZWO ASI 462MM / 290MM imaging data to PC using
SharpCap4.1.14013.0
Photometry analysis : Analyzed with software.limovie1.0.1.8 Pneuma
Photometry method : PSF photometry / Aperture photometry
(Sharp4.1 ON,TrackingOFF, Linked Tracking=ON, Star's Angular
Diameter=ON)
Data Release Site:
https://drive.google.com/drive/folders/12GmFx\_kWQNqVfZ\_9mpxnKMLqH
CAuoMx?usp=sharing

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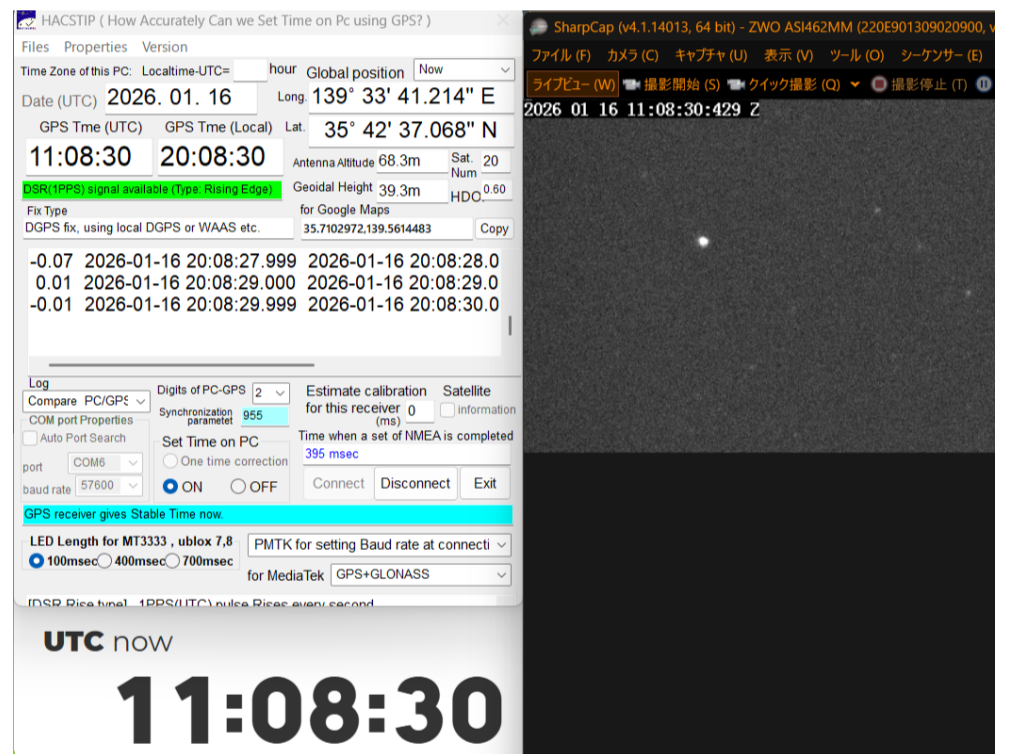
<Observations>
<Event>
<Date>2026|1|16|11.1</Date>
<Details>
<Star>UCAC4|614-
030010|0|0.0000000000|0.0000000000|0.00|0.00|0.00|0|0.00000000|0.00000
00|25.00|25.00|25.00|0</Star>
<Asteroid>2321|Luznice|0.00000000|0.00000000|0.00000000|0.00000000|0.00
000000|0.00000000|1.00000|0.00000|0.0|1.0|20.00</Asteroid>
</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|9.44||There were no steps or smooth curves during
either the disappearance or reappearance.</Conditions>

<D>11 9 42.601|D|0.015||| </D>
<R>11 9 44.064|R|0.013||| </R>
</Observer>
</Observations>
<LastEdited>2023|7|17</LastEdited>
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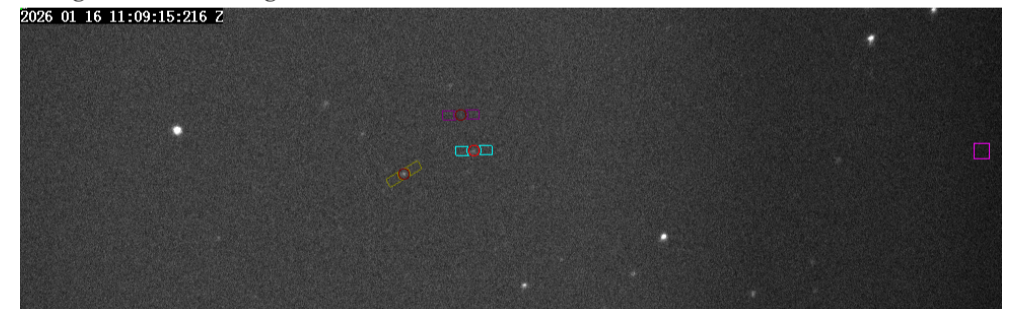
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Text-based Light curve
(2321)\_20260116\_110939\_Katsuhiko\_Kitazaki.dat

Date: 2026-1-16 11:9:39.19: 8.34: 85
Star: 0: 0: 0: 0: 0-0-0: 614-030010
Observer: +139:33:41.2: +35:42:37.0: 66: Katsuhiko Kitazaki
Object: Asteroid: 2321: Luznice
Values:1138:1108:1105:1164:1050:1005:1090:991:1279:946:901:918:1069:117
7:951:1010:1136:1190:1212:1156:1045:923:1208:1170:978:1010:1091:1112:98
2:1068:1282:1085:1198:1242:880:160:-
22:148:55:26:235:272:114:129:13:93:88:268:-13:
542:1196:1179:1039:1107:1123:972:922:1071:1198:1072:1100:1154:1003:1004
:1133:1126:1131:1103:1102:1129:1056:1072:955:1032:1177:1016:1071:1096:1
031:1124:1119:1000:1035:1038:1184\*\*\*\*\*
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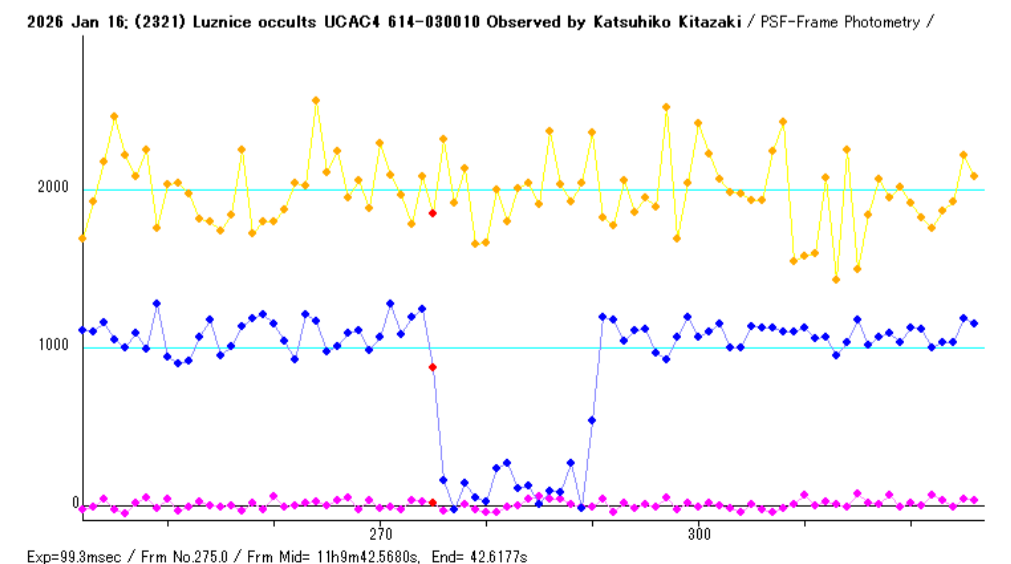
UTC Time Evidence



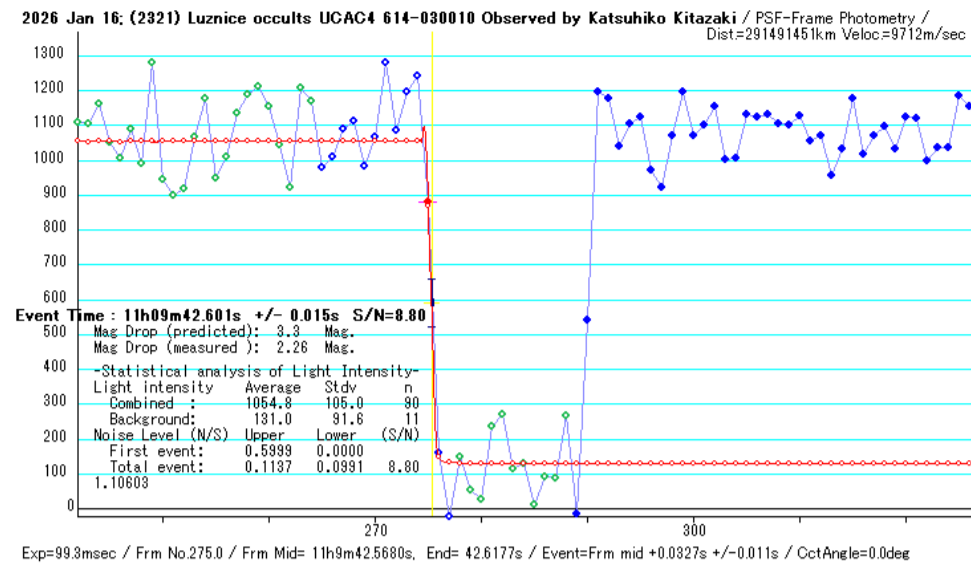
Target Star Position (Target star = Blue, Comparison star = Yellow, Pink =
Background metering)



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



## Time analysis of disappearance



## Time analysis of reappearance

