

(709)Fringilla occults UCAC4 649-042288

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

[Date] 2024.12.25 [Approx hour] 13.3
 [Star] UCAC4 649-042288 VMag=13.89 RMag=13.21
 [Asteroid] (709)Fringilla 13.65 mag.
 [Observer] 1: Katsuhiko Kitazaki 2:
 [Location] Musashino Tokyo, JPN
 [Longitude] 139o33'41.2" E
 [Latitude] 35o42'37.0" N
 [Altitude] 66m
 [Datum] WGS84

[Event time] D: 13h23m34.283s +/- 0.039s (UTC) S/N=6.47
 R: 13h23m40.952s +/- 0.043s (UTC) S/N=5.93
 [Predicted Time error] 0.357 sec [RUWE] 0.95

[Recorded] From 13h22m30s
 To 13h21m22s

[Mag. drop] D: Measured: Mag Drop (measured): 0.59 Mag.
 ; Predicted: Mag Drop (predicted): 0.6 Mag.
 R: Measured: Mag Drop (measured): 0.55 Mag.
 ; Predicted: Mag Drop (predicted): 0.6 Mag.

Type: Classical Cassegrain F=2.5 (Reducer x0.25)
 [Camera] Analog or Digital video, Model= ASI290MM
 [Exposure] Set: 253.0msec, Measure: 253msec
 [Setting] Area: 1936x600 ; Binning=2
 Gain: 290 ; Brightness: 0 ; High Speed Mode: Off
 [Time keep] GPS ; Model: GHS-OSD (PPSPUcorrection -0.0065654s)
 [Evidence] GPS Time Log : Recorded ; Screen shot: Recorded

[Condition] Stability: Strong flickering Transparency: Clear
 [Remarks] Scintillation will be large.
 There is about 45-50% light attenuation as predicted.

[Additional comment]
 Capture : ZWO ASI290MM imaging data to PC using SharpCap4.1.11351
 Photometry analysis : Analyzed with software.limovie1.0.0.6Pneuma.
 Photometry method: PSF photometry(Tracking ON、 Linked Tracking ON)

Data Release Site
<https://www.data-box.jp/pdir/d554817f97ba41219df97c35e347947c>

<Observations>

<Event>

<Date>2024|12|25|13.3</Date>

<Details>

<Star>UCAC4|649-

042288|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>709|Fringilla|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|JPN|+139 33 41.2|+35 42 37.0|66|20|6|a|a</ID>

<Conditions>3|1|6.20||</Conditions>

<D>13 23 34.283|D|0.039|||</D>

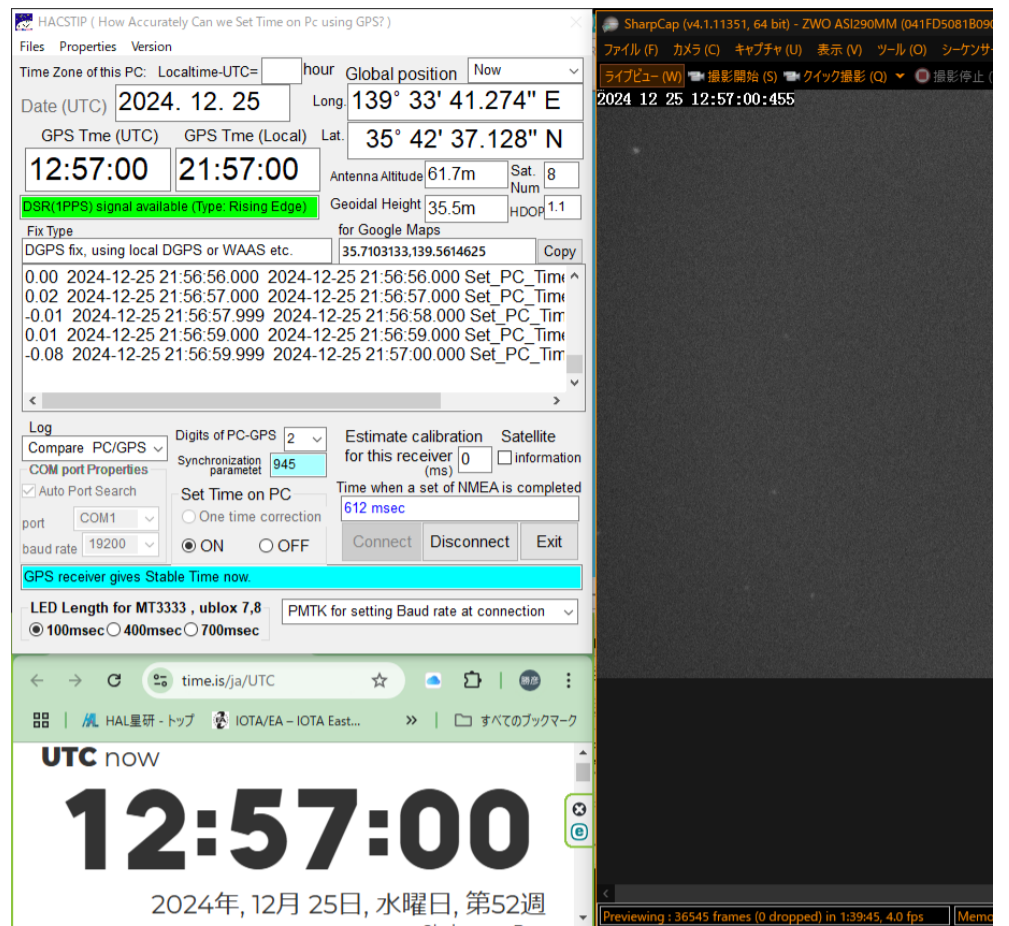
<R>13 23 40.952|R|0.043|||</R>

</Observer>

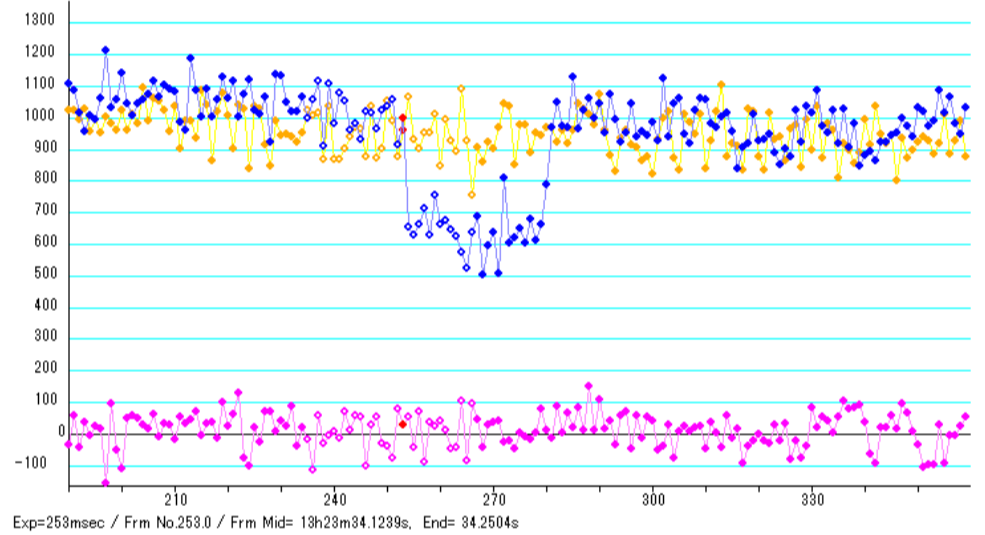
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<LastEdited>2023|7|17</LastEdited>

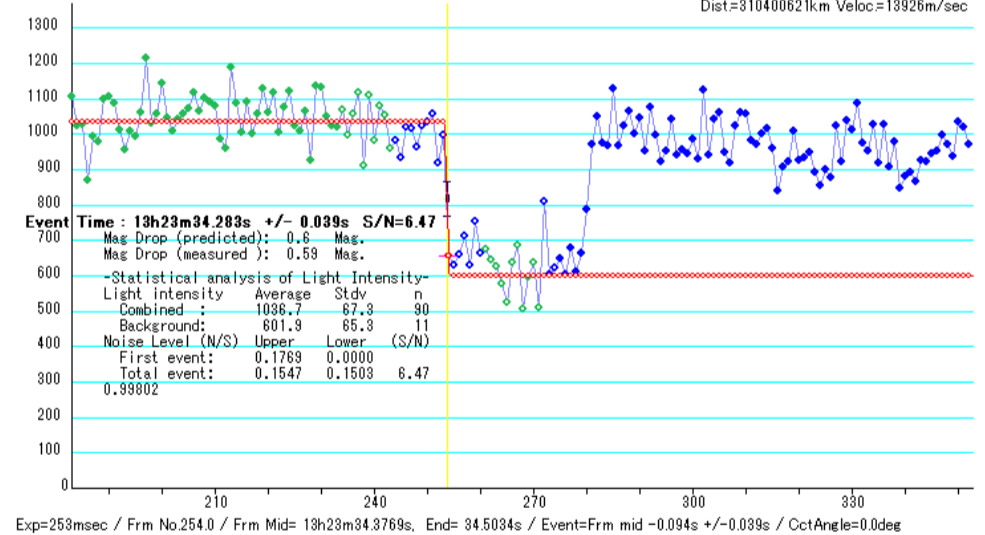
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2024 Dec 25: (709) Fringilla occults UCAC4 649-042288 Observed by Katsuhiko Kitazaki / APT-Frame Photometry /



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