

(5780)Lafontaine occults UCAC4 535-006776

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

[Date] 2024.12.17 [Approx hour] 10.3
 [Star] UCAC4 535-006776 VMag=12.82 RMag=12.33
 [Asteroid] (5780)Lafontaine 17.03 mag.

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

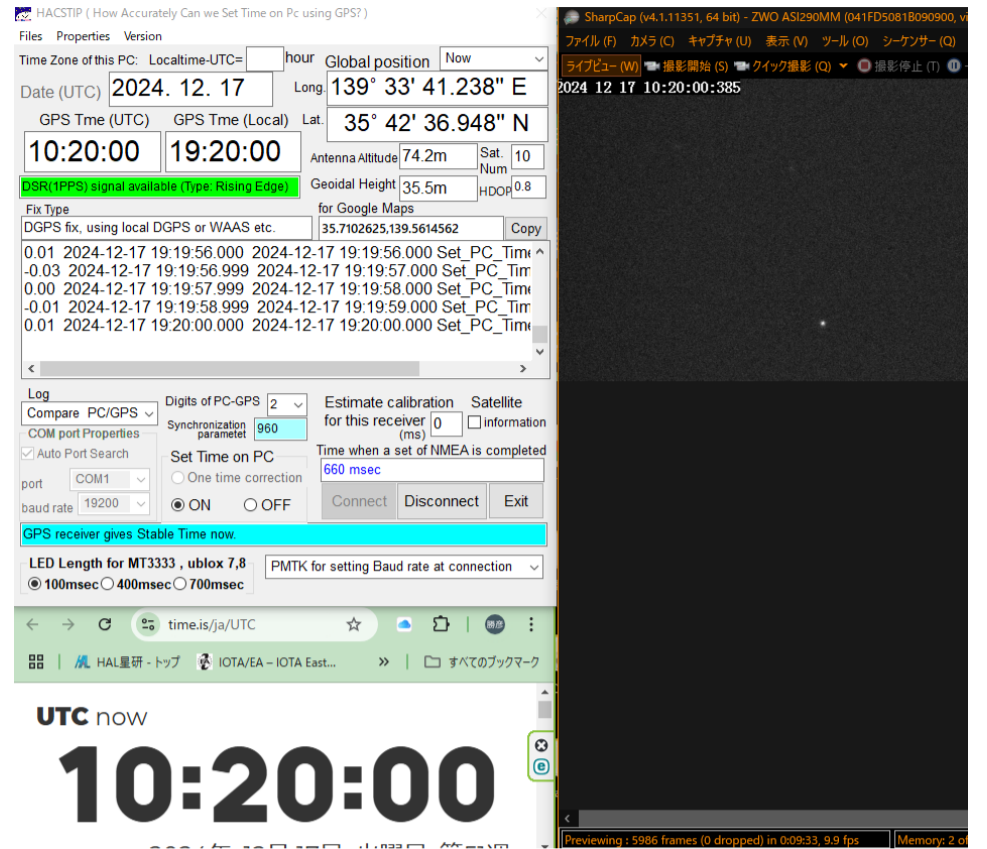
[Event time] D: 10h23m21.851s +/- 0.010s (UTC) S/N=10.30
 R: 10h23m23.112s +/- 0.009s (UTC) S/N=11.45
 [Predicted Time error] 0.294 sec [RUWE] 0.90
 [Recorded] From 10h22m30s
 To 10h24m30s
 [Mag. drop] D: Measured: Mag Drop (measured): 4.01 Mag.
 ; Predicted: Mag Drop (predicted): 4.2 Mag.
 R: Measured: Mag Drop (measured): 3.99 Mag.
 ; Predicted: Mag Drop (predicted): 4.2 Mag.

[Telescope] Aperture: 40cm Type: Classical Cassegrain
 F=2.5 (Reducer x0.25)
 [Camera] Analog or Digital video , Model= ASI290MM
 [Exposure] Set: 99.3msec, Measure: 99.3msec
 [Setting] Area: 1936x600 ; Binning=2
 Gain: 360 ; Brightness: 16 ; High Speed Mode: Off
 [Time keep] GPS ; Model: GHS-OSD (PPSPUcorrection-0.0120474s)
 [Evidence] GPS Time Log :Recorded ; Screen shot: Recorded

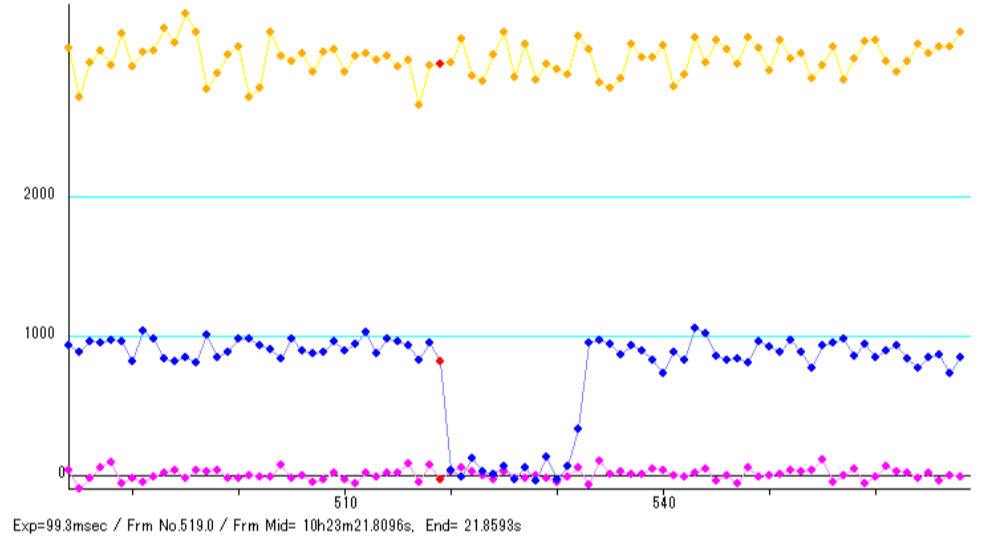
[Condition] Stability: Strong flickering Transparency: Clear
 [Remarks] There was a clear Mag Drop. S/N was high, possibly due to
 scintillation, but the light curve was not stable.

[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
 (Shap4.1 OFF, Tracking OFF, Linked Tracking ON)
 URL Data Release Site
<https://www.data-box.jp/pdir/5ee4e92618cc412f9a4a9a2c2696f6bd>

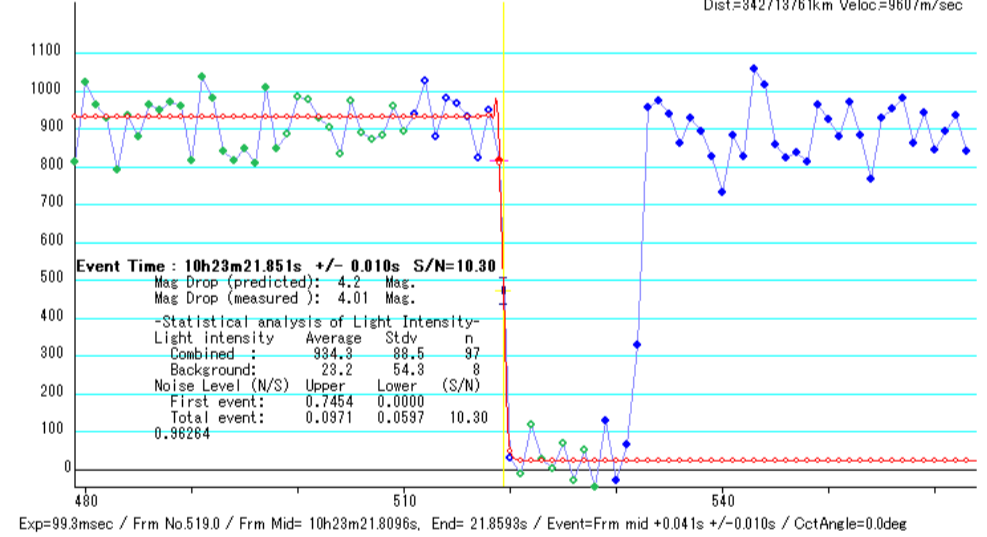
<Observations>
 <Event>
 <Date>2024|12|17|10.3</Date>
 <Details>
 <Star>UCAC4|535-
 006776|0||0.000000000|0.000000000|0.00|0.00|0.00|0|0.00000000|0.00000
 00|25.00|25.00|25.00|0</Star>
 <Asteroid>5780|Lafontaine|0.00000000|0.00000000|0.00000000|0.00000000|0.
 00000000|0.00000000|1.00000|0.00000|0.0|1.0|20.00</Asteroid>
 </Details>
 <Observations>
 <Observer>
 <ID>1|Katsuhiko Kitazaki||0|Musashino Tokyo|JPN|+139 33
 41.2|+35 42 37.0|66| |40|6|a|a</ID>
 <Conditions>3|1|10.88||</Conditions>
 <D>10 23 21.851|D|0.010|||</D>
 <R>10 23 23.112|R|0.009|||</R>
 </Observer>
 </Observations>
 <LastEdited>2023|7|17</LastEdited>
 </Event>
 </Observations>



2024 Dec 17: (5780) Lafontaine occults UCAC4 535-006776 Observed by Katsuhiko Kitazaki / PSF-Frame Photometry /



2024 Dec 17: (5780) Lafontaine occults UCAC4 535-006776 Observed by Katsuhiko Kitazaki / PSF-Frame Photometry /



2024 Dec 17: (5780) Lafontaine occults UCAC4 535-006776 Observed by Katsuhiko Kitazaki / PSF-Frame Photometry /

