

(17855)Geffert occults UCAC4 390-058356

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

[Date ] 2024.12.24 [Approx hour] 20.0
[Star ] UCAC4 390-058356 VMag=13.01 RMag=12.45
[Asteroid ] (17855)Geffert 18.80 mag.

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

[Event time] D: 19h57m24.575s +/- 0.020s (UTC) S/N=10.06
R: 19h57m25.363s +/- 0.020s (UTC) S/N=10.30
[Predicted Time error] 0.202 sec [RUWE] 1.00

[Recorded ] From 19h56m31s
To 19h58m30s

[Mag. drop ] D: Measured: Mag Drop (measured): 5.34 Mag.
; Predicted: Mag Drop (predicted): 5.8 Mag.
R: Measured: Mag Drop (measured): 5.34 Mag.
; Predicted: Mag Drop (predicted): 5.8 Mag.

[Telescope ] Aperture: 40cm Type: Classical Cassegrain
F=2.5 (Reducer x0.25)
[Exposure ] Set: 202.0msec, Measure: 202msec
[Setting ] Area: 1936x600 ; Binning=2
Gain: 340 ; Brightness: 0 ; High Speed Mode: Off
[Time keep ] GPS ; Model: GHS-OSD (PPSPUcorrection -0.0174872 s)
[Evidence ] GPS Time Log : Recorded ; Screen shot: Recorded

[Condition ] Stability: Strong flickering Transparency: Thin cloud <2
[Remarks ] Due to poor atmospheric Stability and unstable star images, the
frame exposure time was set to 202 msc, the limit of the Predicted time error.

[Additional comment]
Photometry analysis : Analyzed with software.limovie1.0.0.6Pneuma.
Photometry method: Aperture photometry
(Sharp4.1 OFF,Linked Tracking ON,Correction for absorption ON,Mag drop
considered OFF)
Data Release Site :
https://www.data-box.jp/pdir/ba45a82893a1437199e22429211affd3

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</Observations>

<Event>

<Date>2024|12|24|20.0</Date>

<Details>

<Star>UCAC4|390-

058356|0||0.000000000|0.00000000|0.00|0.00|0.00|0|0.00000000|0.00000
00|25.00|25.00|25.00|0</Star>

<Asteroid>17855|Geffert|0.00000000|0.00000000|0.00000000|0.00000000|0.00
00000|0.00000000|1.00000|0.00000|0.0|1.0|20.00</Asteroid>

</Details>

<Observations>

<Observer>

<ID>1|Katsuhiko Kitazaki||0|Musashino Tokyo||+139 33 41.2|+35
42 37.0|66| |40|6|a|a</ID>

<Conditions>3|3|10.18||</Conditions>

<D>19 57 24.575|D|0.020||| </D>

<R>19 57 25.363|R|0.020||| </R>

</Observer>

</Observations>

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

</Event>
</Observations>

