(26833)1990 RE occults UCAC4 491-045603

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

[Date] 2025. 1. 2 [Approx hour] 13.2
[Star] UCAC4 491-045603 VMag=14.05 RMag=13.56
[Asteroid] (26833)1990 RE 18.25 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: 13h17m47.098s +/- 0.048s (UTC) S/N=6.99
R: 13h17m48.330s +/- 0.050s (UTC) S/N=6.77
[Predicted Time error] 0.320 sec [RUWE] 1.05

[Recorded] From 13h17m00s
To 13h19m00s

[Mag. drop] D: Measured: Mag Drop (measured): 1.92 Mag. ; Predicted: Mag Drop (predicted): 4.2 Mag.
R: Measured: Mag Drop (measured): 1.96 Mag. ; Predicted: Mag Drop (predicted): 4.2 Mag.

[Telescope] Aperture: 40cm Classical Cassegrain F=2.5(Reducer ×0.25)
[Camera] Analog or Digital video , Model= ASI290MM
[Exposure] Set: 338.0msec, Measure: 338msec
[Setting] Area: 1936x600 ; Binning=2
Gain: 260 ; Brightness: 0 ; High Speed Mode: Off
[Time keep] GPS ; Model: GHS-OSD (PPSPUcorrection -0.0071105s)
[Evidence] GPS Time Log : Recorded ; Screen shot: Recorded

[Condition] Stability: Steady Transparency: Clear
[Remarks] Since the target star was dark (14.0 mag), the frame exposure time was increased (338 msec) to improve the S/N ratio.

[Additional comment]
Capture : ZWO ASI290MM imaging data to PC using SharpCap4.1.12693.0
Photometry analysis : Analyzed with software.limovie1.0.0.7BPneuma.
Photometry method: PSF photometry
(SharpCap4.1 ON,Gaussian Filtre 3,Tracking OFF,Linked Tracking ON)
Data Release Site
https://www.data-box.jp/pdir/1c82954820b94a4794e26389e57fdc63

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<Asteroid>26833|1990 RE|0.00000000|0.00000000|0.0000000|0.0000000|0.0000000|0.0000000|1.00000|0.00000|0.0|1.0|20.00</Asteroid>
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<ID>1|Katsuhiko Kitazaki||0|Musashino Tokyo|JPN|+139 33 41.2|+35 42 37.0|66| |40|6|a|a</ID>
<Conditions>1|1|6.88||Since the target star was dark (14.0 mag), the frame exposure time was increased (338 msec) to improve the S/N ratio.</Conditions>
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<R>13 17 48.330|R|0.050||| </R>
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