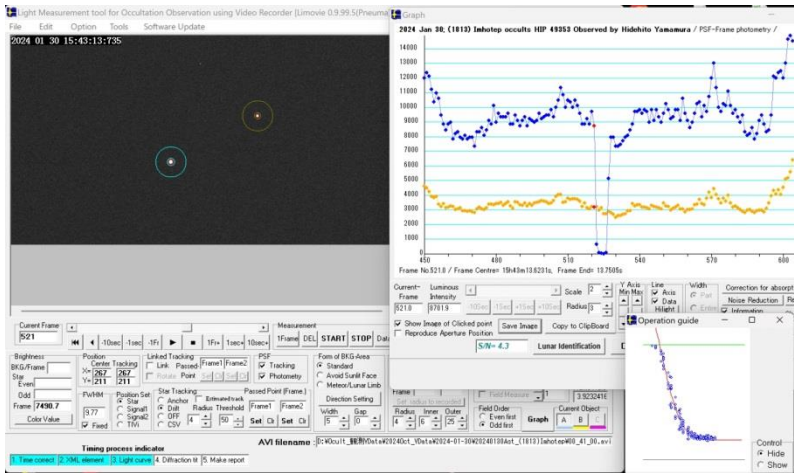
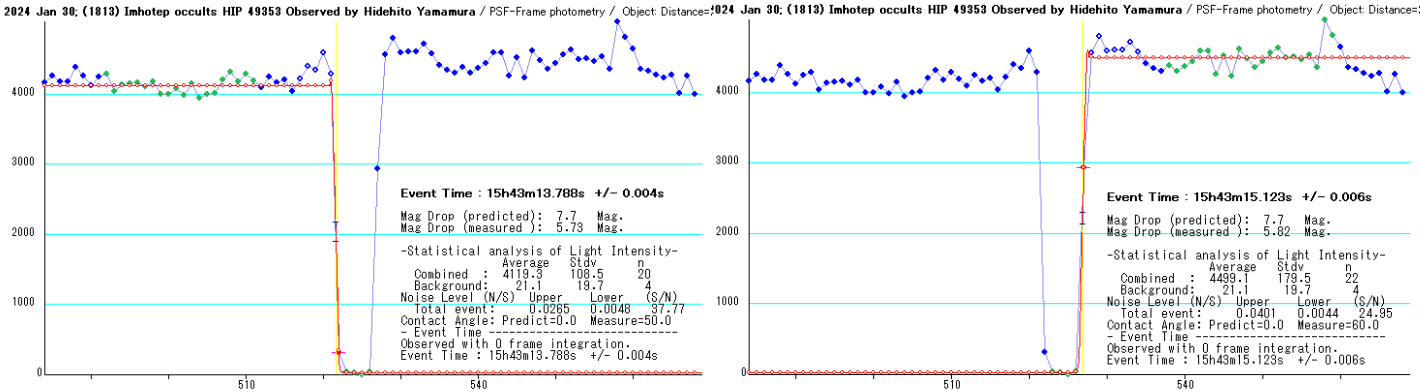
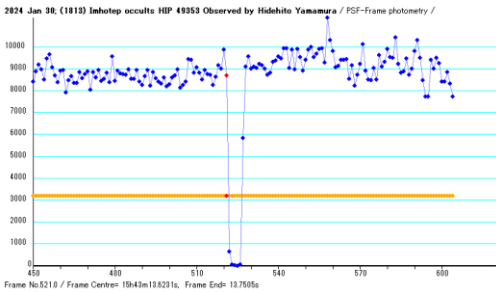


# 20240130Ast\_(1813)Imhotep Occults HIP 49353

Hidehito Yamamura



## Correction for absorption by cloud



Frame No.522.0 / Frame Centre= 15h43m13.889s, Frame End= 14.0170s / Event centre=Frame centre -0.102s +/-0.004s / ContactAngle=50.0 / Frame No.527.0 / Frame Centre= 15h43m15.163s, Frame End= 15.2912s / Event centre=Frame centre -0.041s +/-0.006s / ContactAngle=60.0

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

[Date ] 2024.1.30 [Approx hour] 15.7  
[Star ] HIP 49353  
[Asteroid ] (1813)Imhotep  
[Observer ] 1: Hidehito Yamamura 2:  
[Location ] Maibara, Shiga, JPN  
[Longitude ] 136o17'40.3" E  
[Latitude ] 35o19'41.8" N  
[Altitude ] 93m  
[Datum ] WGS84  
[Event time] D: 15h43m13.788s +/- 0.004s (UTC)  
S/N=37.77 Ctt=50.0  
R: 15h43m15.123s +/- 0.006s (UTC)  
S/N=24.95 Ctt=60.0  
[Recorded ] From 15h41m1s  
To 15h44m38s  
[Mag. drop ] D: Measured: 5.73 ; Predicted: 7.7  
R: Measured: 5.82 ; Predicted: 7.7  
[Telescope ] Aperture: 23.5cm Type: SCT F=3.3  
[Camera ] Digital SLR camera video , Model=ASI290MM  
[Exposure ] Set: 254.89msec, Measure: 255msec  
[Setting ] Area: 1696x700 ; Binning=2  
Gain: 373 ; Brightness: 65 ; High Speed  
Mode: Off  
[Time keep ] GPS ; Model: VK172  
[Evidence ] GPS Time Log : Recorded ; Screen  
shot: Recorded  
[Condition ] Stability: Slight flickering  
Transparency: Thin cloud <2  
[Remarks ]  
[Additional comment]

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</Details>  
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<ID>1|Hidehito Yamamura||0|Maibara,  
Shiga|JPN|+136 17 40.3|+35 19 41.8|93|  
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<D>15 43 13.788|D|0.004|||</D>  
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### Text-based Light curve