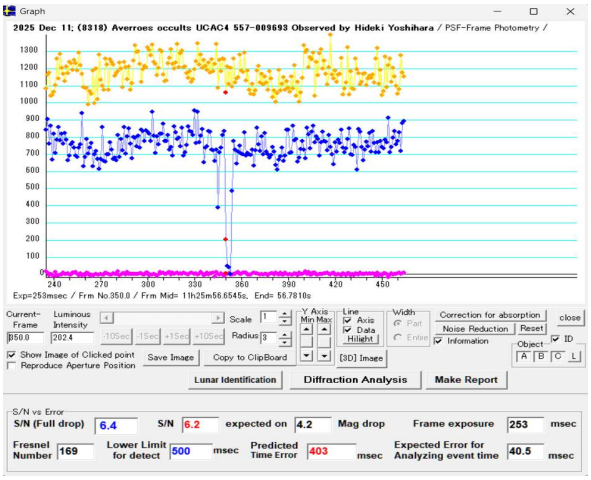
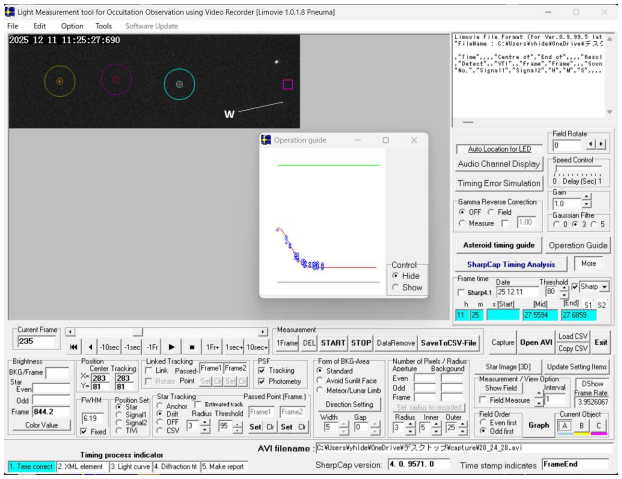
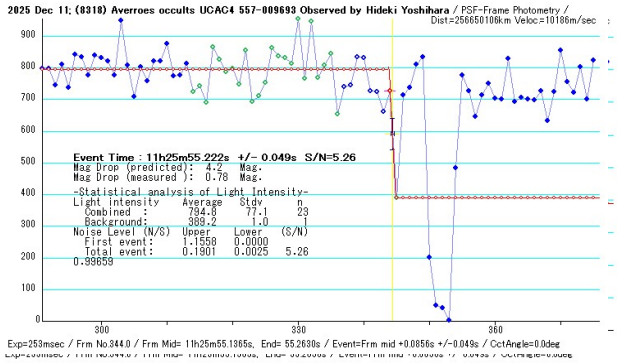
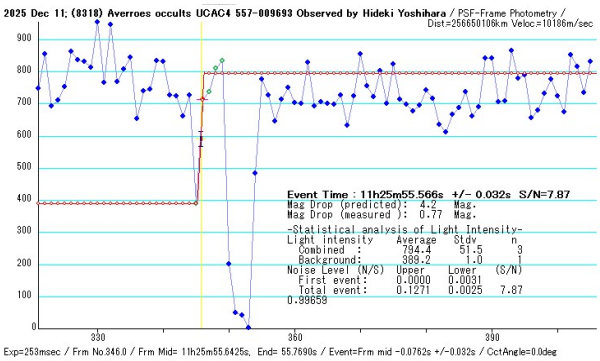
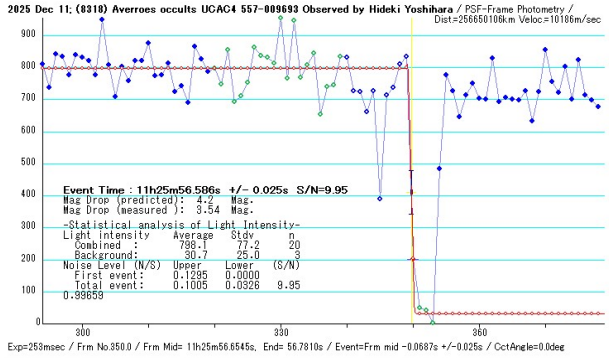
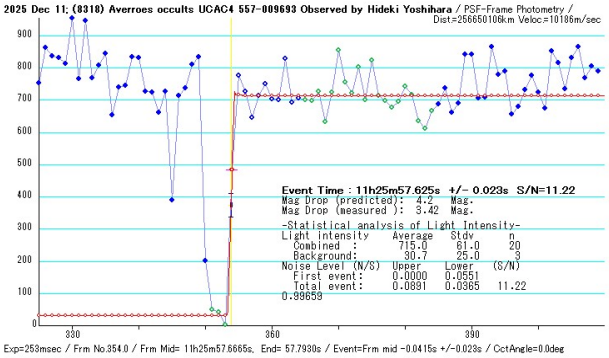

Graph
2025 Dec 11; (8318) Averroes occults UCAC4 557-009693 Observed by Hideki Yoshihara / PSF-Frame Photometry /
Exp=253msec / Frm No.350.0 / Frm Mid= 11h25m56.6545s, End= 56.7810s
Lunar Identification
Diffraction Analysis
Make Report
S/N (Full drop) 6.4
S/N 6.2
expected on 4.2
Mag drop
Frame exposure 253 msec
Fresnel Number 169
Lower Limit for detect 500 msec
Predicted Time Error 403 msec
Expected Error for Analyzing event time 40.5 msec


Light Measurement tool for Occultation Observation using Video Recorder [Limovie 1.0.1.8 Pneuma]
2025 12 11 11:25:27:690
Operation guide
Asteroid timing guide
Operation Guide
SharpCap Timing Analysis
Timing process indicator
AVI filename
SharpCap version: 4.0.9571.0
Time stamp indicates FrameEnd


2025 Dec 11; (8318) Averroes occults UCAC4 557-009693 Observed by Hideki Yoshihara / PSF-Frame Photometry /
Dist=256650106km Veloc=10186m/sec
Event Time : 11h25m55.222s +/- 0.049s S/N=5.26
Mag Drop (predicted): 4.2 Mag.
Mag Drop (measured): 0.78 Mag.
-Statistical analysis of Light Intensity-
Light intensity Average Stdv n
Combined : 794.0 77.1 23
Background: 389.2 1.0 1
Noise Level (N/S) Upper Lower (S/N)
First event: 1.1558 0.0000
Total event: 0.1901 0.0025 5.26
0.99659
Exp=253msec / Frm No.344.0 / Frm Mid= 11h25m55.1365s, End= 55.2630s / Event=Frm mid +0.0856s +/-0.049s / CctAngle=0.0deg


2025 Dec 11; (8318) Averroes occults UCAC4 557-009693 Observed by Hideki Yoshihara / PSF-Frame Photometry /
Dist=256650106km Veloc=10186m/sec
Event Time : 11h25m55.566s +/- 0.032s S/N=7.87
Mag Drop (predicted): 4.2 Mag.
Mag Drop (measured): 0.77 Mag.
-Statistical analysis of Light Intensity-
Light intensity Average Stdv n
Combined : 794.4 51.5 3
Background: 389.2 1.0 1
Noise Level (N/S) Upper Lower (S/N)
First event: 0.0000 0.0031
Total event: 0.1271 0.0025 7.87
0.99659
Exp=253msec / Frm No.346.0 / Frm Mid= 11h25m55.6425s, End= 55.7690s / Event=Frm mid -0.0762s +/-0.032s / CctAngle=0.0deg


2025 Dec 11; (8318) Averroes occults UCAC4 557-009693 Observed by Hideki Yoshihara / PSF-Frame Photometry /
Dist=256650106km Veloc=10186m/sec
Event Time : 11h25m56.586s +/- 0.025s S/N=9.95
Mag Drop (predicted): 4.2 Mag.
Mag Drop (measured): 3.54 Mag.
-Statistical analysis of Light Intensity-
Light intensity Average Stdv n
Combined : 798.1 77.2 20
Background: 30.7 25.0 3
Noise Level (N/S) Upper Lower (S/N)
First event: 0.1295 0.0000
Total event: 0.1005 0.0326 9.95
0.99659
Exp=253msec / Frm No.350.0 / Frm Mid= 11h25m56.6545s, End= 56.7810s / Event=Frm mid -0.0687s +/-0.025s / CctAngle=0.0deg


2025 Dec 11; (8318) Averroes occults UCAC4 557-009693 Observed by Hideki Yoshihara / PSF-Frame Photometry /
Dist=256650106km Veloc=10186m/sec
Event Time : 11h25m57.625s +/- 0.023s S/N=11.22
Mag Drop (predicted): 4.2 Mag.
Mag Drop (measured): 3.42 Mag.
-Statistical analysis of Light Intensity-
Light intensity Average Stdv n
Combined : 715.0 61.0 20
Background: 30.7 25.0 3
Noise Level (N/S) Upper Lower (S/N)
First event: 0.0000 0.0551
Total event: 0.0891 0.0365 11.22
0.99659
Exp=253msec / Frm No.354.0 / Frm Mid= 11h25m57.6665s, End= 57.7930s / Event=Frm mid -0.0415s +/-0.023s / CctAngle=0.0deg