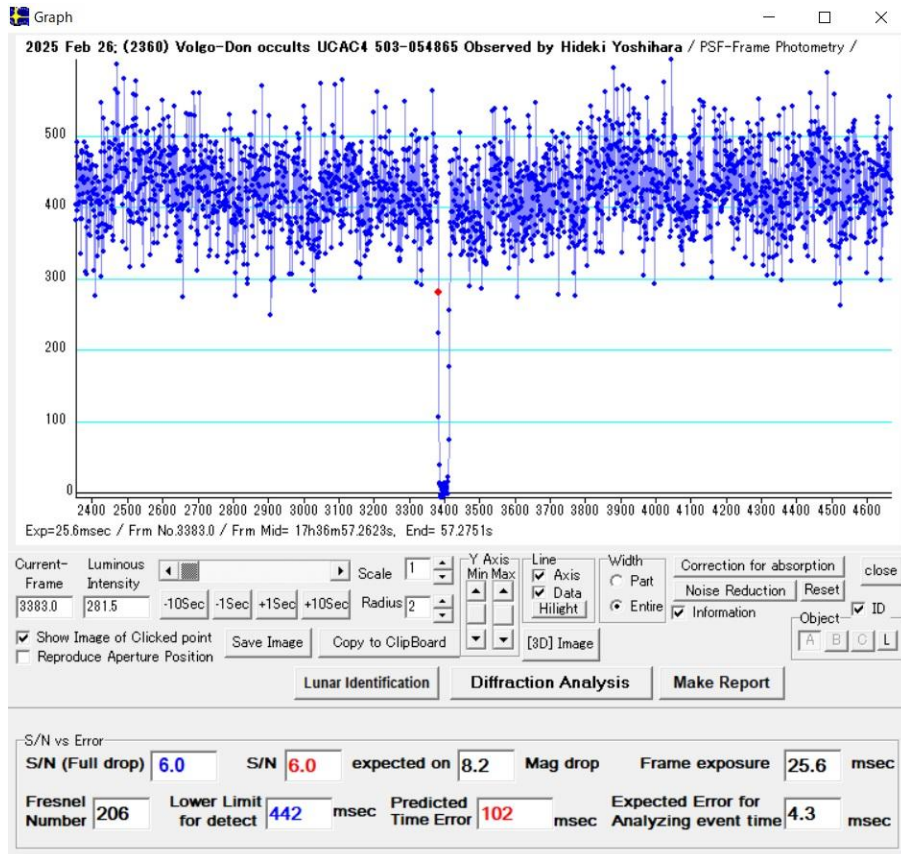


2025-02-28

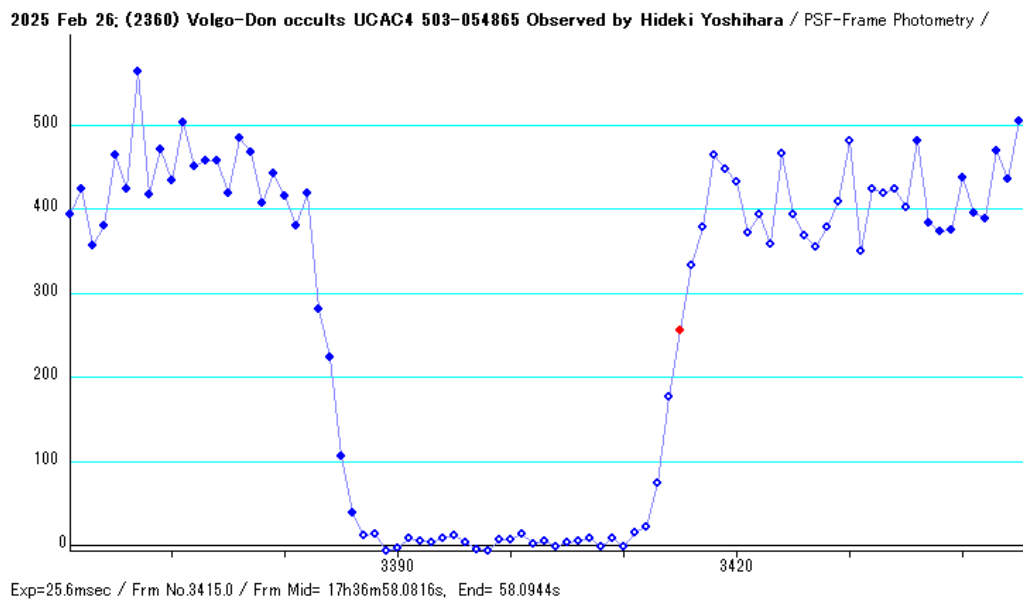
20250226(UT) (2360) Volgo-Don による恒星食(減光)

1 光量グラフ

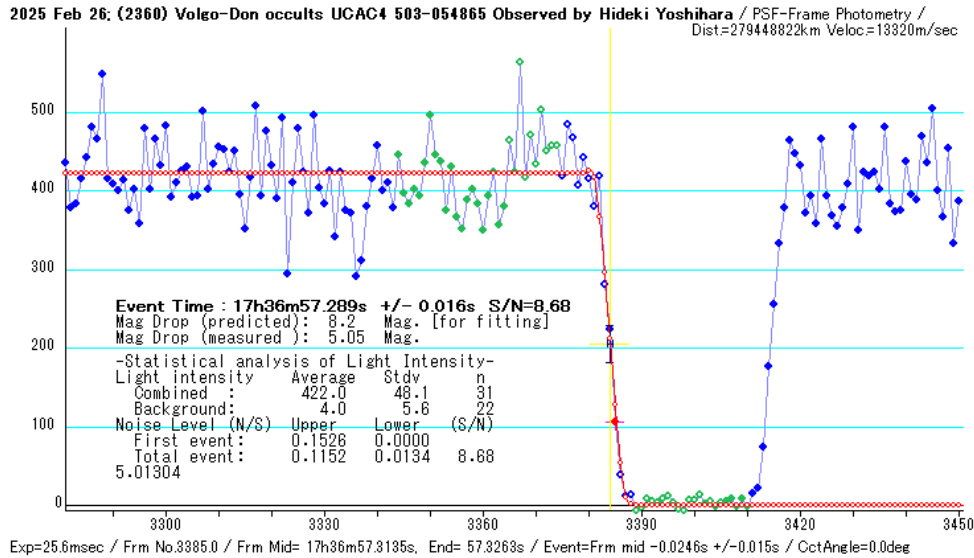
・exp=25.6ms Gain=300



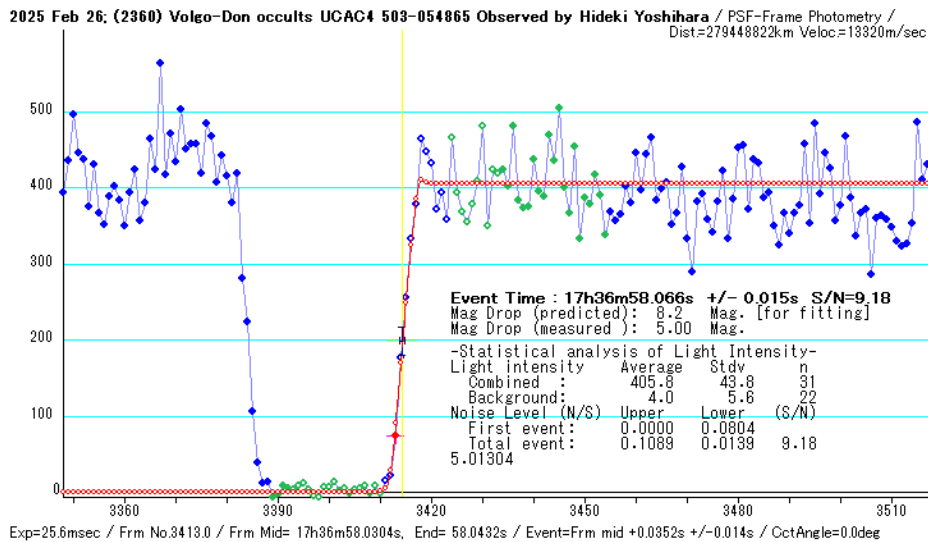
・部分拡大



2 減光時刻の解析



3 復光時刻の解析



4 光量測定画面

Light Measurement tool for Occultation Observation using Video Recorder (Limovie 1.0.0.7C Pneuma)

2025 02 26 17:37:30:253

Operation guide

Field Rotate [0] [Left] [Right]

Audio Channel Display [Off] [On]

Timing Error Simulation [Off] [Field] [Measure]

Gamma Reverse Correction [Off] [Field] [Measure]

Gaussian Filter [0] [3] [5]

Asteroid timing guide Operation Guide

SharpCap Timing Analysis [More]

Frame time Date Threshold [Sharp] [Sharp4.1] [25 02 26] [80]

h m s [Start] [Mid] [End] S1 S2 [17 37 30.2374 30.2502]

Current Frame [4671]

Measurement [1Frame] [DEL] [START] [STOP] [DataRemove] [SaveToCSV-File] [Capture] [Open AVI] [Load CSV] [Copy CSV] [Exit]

Brightness [BKG/Frame] [Star] [Event]

Position [X: 211 Y: 72] [Center Tracking] [Link Passed] [Frame1] [Frame2] [PSF Tracking] [Photometry]

Form of BKG Area [Standard] [Avoid Star/Face] [Meteor/Lunar Limb]

Number of Pixels / Radius [Aperture] [Background] [Even] [Odd] [Frame]

Star Image [3D] [Update Setting Items]

Measurement / View Option [Show Field] [Interval] [DShow] [Frame Rate] [39.056637]

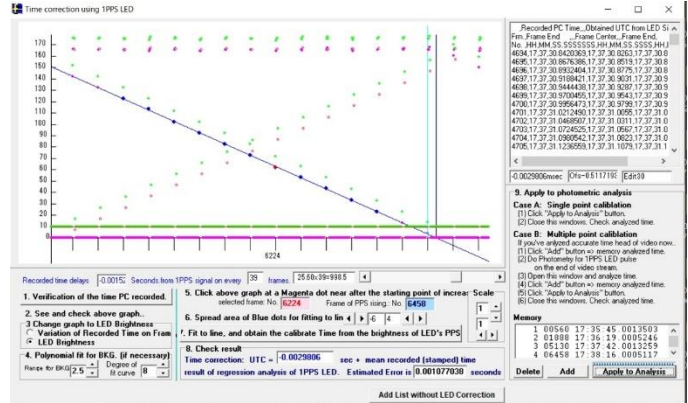
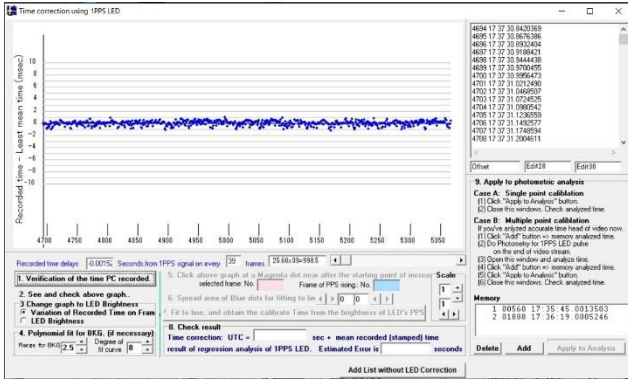
Field Order [Even first] [Graph] [Current Object] [A] [B] [C]

Timing process indicator [Time correct] [2 XML element] [3 Light curve] [4 Diffraction] [5 Make report]

AVI filename [C:\Users\yhide\OneDrive\デスクトップ\capture\02_26_253.avi]

5 PC動作確認とタイムスタンプ時刻の補正

- ・Limovie の Verification of the time PC recorded でのグラフから、SharpCap のタイムスタンプ遅延及びフレームドロップの確認を行う。
- ・以上を確認してからタイムスタンプ時刻の補正を行う。
- ・掲載は後半照射のみ。



6 予報帯

- ・赤丸が観測地

2360 Volgo-Don occults UCAC4 503-054865 on 2025 Feb 26 from 17h 32m to 17h 45m UT

Star: (Dia = 1.6 mas)	Durations: Max = 0.88 secs	Asteroid: Mv = 16.8; Mr = 16.0
Mv 8.7; Mr 7.3; [Mb 10.7]	1km = 0.092 secs, 1mas = 0.10 secs	Dia = 9.6 ± 1.0km, 7 mas
RA = 11 5 20.4767 (astrometric)	Mag Drop: 8.1 [100%], 8.6 [100%]	Parallax = 4.708"
Dec = 10 33 8.941	Sun : Dist = 173°	Hourly dRA = -2.239s
[of Date: 11 6 41, 10 24 52]	Moon: Dist = 157°, illum = 2%	dDec = 12.69"
Prediction of 2025 Jan 18.6	1σ Err: ±(1.1 x 0.5) mas in PA 118°	JPL#62+Ephem, Known errors
Reliable 1.0 (good)		

Expect fades >0.20 secs (star dia)

