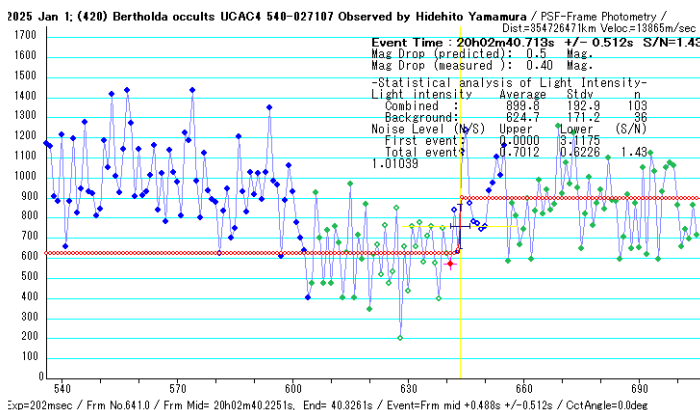
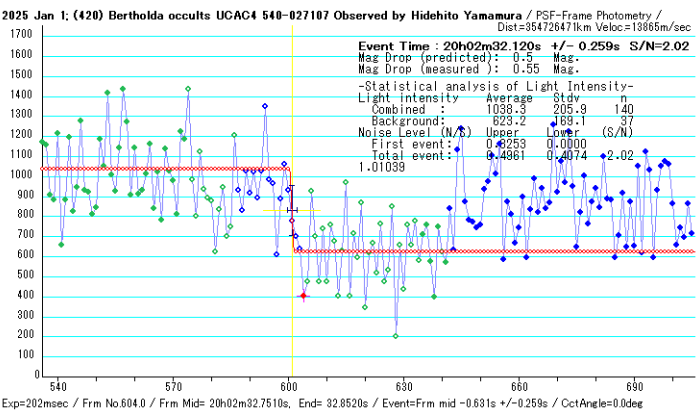
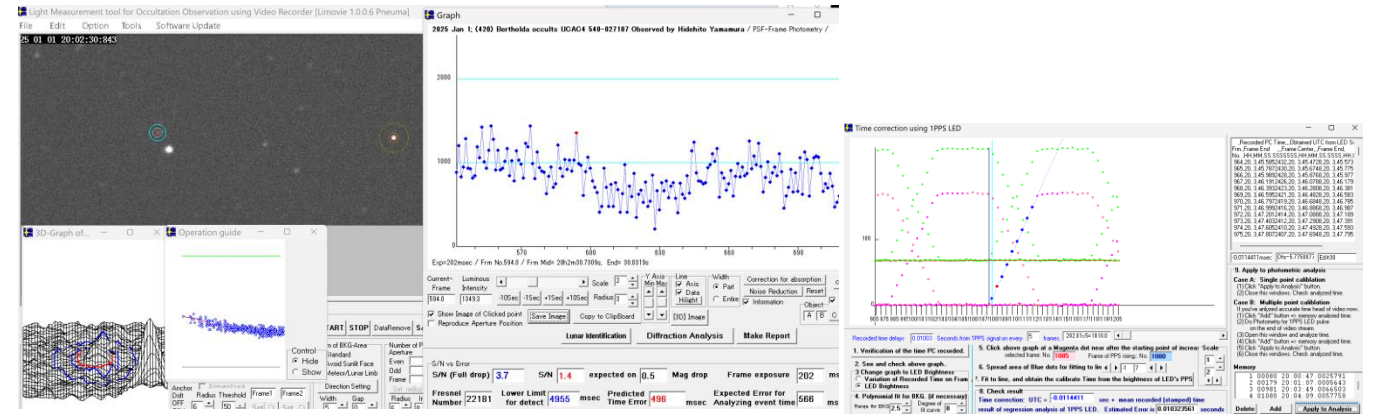


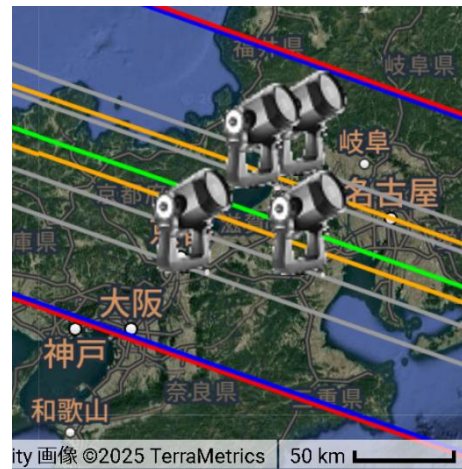
20241227_(420)Bertholda Occults UCAC 4 540-027107

Hidehito Yamamura



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

[Date] 2025. 1. 1 [Approx hour] 20.2
 [Star] UCAC4 540-027107 VMag=13.81 RMag=13.25
 [Asteroid] (420)Bertholda 13.10 mag.
 [Observer] 1: Hidehito Yamamura 2:
 [Location] Otsu,Shiga, JPN
 [Longitude] 135o55'16.9" E
 [Latitude] 34o56'03.1" N
 [Altitude] 87m
 [Datum] WGS84
 [Event time] D: 20h02m32.120s +/- 0.259s (UTC) S/N=2.02
 R: 20h02m40.713s +/- 0.512s (UTC) S/N=1.43
 [Predicted Time error] 0.496 sec [RUWE] 1.15
 [Recorded] From 20h0m31s
 To 20h4m34s
 [Mag. drop]
 D: Measured: Mag Drop (measured): 0.55 Mag. ; Predicted: Mag Drop (predicted): 0.5 Mag.
 R: Measured: Mag Drop (measured): 0.40 Mag. ; Predicted: Mag Drop (predicted): 0.5 Mag.



観測地:滋賀県大津市関津 農道

[Telescope] Aperture: 20cm Type: SCT F=3.3
 [Camera] Analog or Digital video , Model= ASI290MM
 [Exposure] Set: 202.0msec, Measure: 202msec
 [Setting] Area: 1504x660 ; Binning=2
 Gain: 445 ; Brightness: 204 ; High Speed Mode: Off
 [Time keep] GPS ; Model: GT902MGG
 [Evidence] GPS Time Log : Recorded ; Screen shot: Recorded
 [Condition] Stability: Slight flickering Transparency: Clear
 [Remarks]
 [Additional comment]
 減光等級が0.5等で、低空(14°)と強い季節風の影響で星像の広がりとブレが大きく、S/Nは1.5~2.0になった。

 個別の解析図、xmlファイル、Light CurveTextファイル等は以下にあります。
<https://www.data-box.jp/pdir/b238066c7bad4bd89448064c2519c139>

