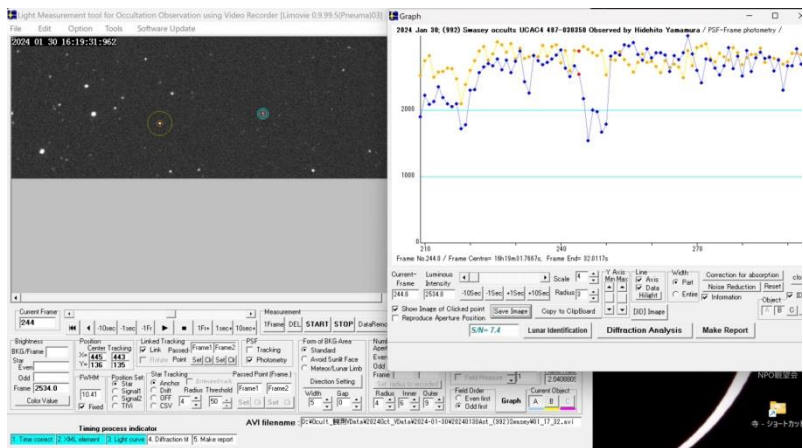
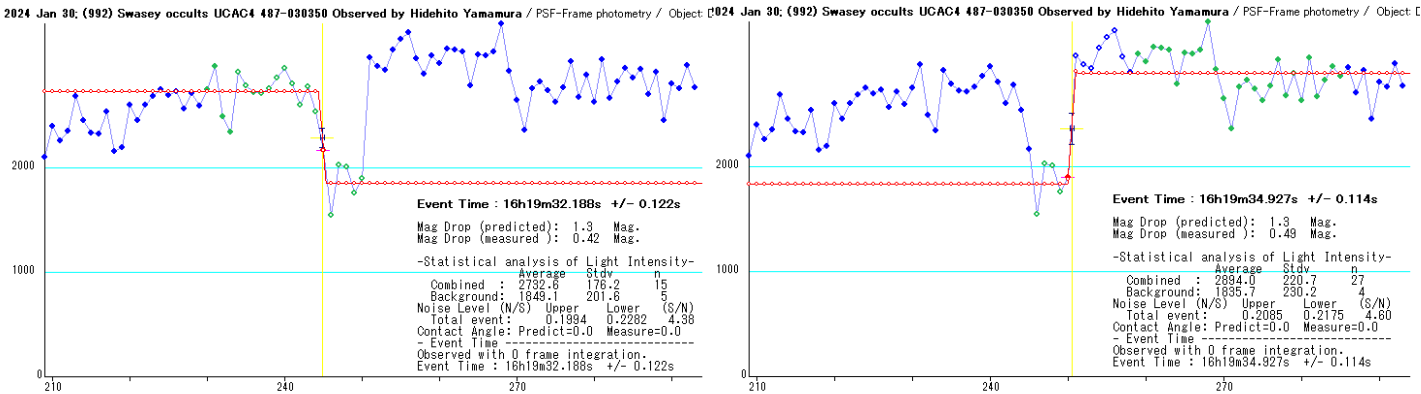
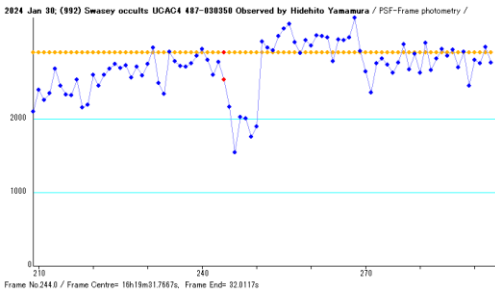


# 20240130Ast\_(992)Swasey Occults UCAC4 487-030350

Hidehito Yamamura



## Correction for absorption by cloud



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

[Date ] 2024.1.30 [Approx hour] 16.4  
[Star ] UCAC4 487-030350  
[Asteroid ] (992)Swasey  
[Observer ] 1: Hidehito Yamamura 2:  
[Location ] Maibara,Shiga, JPN  
[Longitude ] 136°17'40.3" E  
[Latitude ] 35°19'41.8" N  
[Altitude ] 93m  
[Datum ] WGS84  
[Event time] D: 16h19m32.188s +/- 0.122s (UTC)  
S/N=4.38  
R: 16h19m34.927s +/- 0.114s (UTC)  
S/N=4.60  
[Recorded ] From 16h17m32s  
To 16h21m4s  
[Mag. drop ] D: Measured: 0.42 ; Predicted: 1.3  
R: Measured: 0.49 ; Predicted: 1.3  
[Telescope ] Aperture: 23.5cm Type: SCT F=3.3  
[Camera ] Digital SLR camera video , Model=ASI290MM  
[Exposure ] Set: 490.0msec, Measure: 490msec  
[Setting ] Area: 1608x500 ; Binning=2  
Gain: 417 ; Brightness: 65 ; High Speed  
Mode: Off  
[Time keep ] GPS ; Model: VK172  
[Evidence ] GPS Time Log : Recorded ; Screen  
shot: Recorded  
[Condition ] Stability: Steady Transparency: Thin  
cloud <2  
[Remarks ]  
[Additional comment]

```
<Observations>
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030350|0|0.000000000|0.000000000|0.00
|0.00|0.00|0|0.00000000|0.00000000|25.00|
25.00|25.00|0</Star>
<Asteroid>992|Swasey|0.00000000|0.000000
00|0.00000000|0.00000000|0.00000000|0.0000
000|1.00000|0.00000|0.0|1.0|20.00</Astero
id>
</Details>
<Observations>
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<ID>1|HidehitoYamamura||0|Maibara,Shiga
|JPN|+136 17 40.3|+35 19 41.8|93|
|23.5|3|b|a</ID>
<Conditions>1|3|4.49||</Conditions>
<D>16 19 32.188|D|0.122|||</D>
<R>16 19 34.927|R|0.114|||</R>
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## Text-based Light curve

Date: 2024-1-30 16:19:14.62: 41.16: 85  
Star: 0: 0: 0: 0-0-0: 487-030350  
Observer: +136:17:40.3: +35:19:41.8: 93:  
Hidehito Yamamura  
Object: Asteroid: 992: Swasey  
Values:2101:2401:2263:2353:2686:2453:2  
338:2322:2538:2159:2193:2603:2451:260  
7:2689:2750:2696:2729:2564:2710:2592:2  
746:2974:2490:2344:2916:2786:2726:271  
4:2759:2858:2953:2805:2602:2781:2534:2  
164:1543:2031:2008:1761:1903:3052:297  
7:2940:3126:3233:3299:3046:  
2903:3079:3004:3142:3133:3109:2785:30  
85:3078:3110:3381:2923:2651:2362:2764:  
2822:2745:2631:2771:3022:2676:2891:26  
30:3041:2665:2821:2955:2863:2941:2703:  
2915:2454:2811:2758:2979:2767