

Asteroid Occultation Report

Observation was: Positive Takeshi Nemoto Email: nemoto00@juno.ocn.ne.jp

[Date] 2025. 6.27 [Approx hour] 18.4
 [Star] UCAC4 458-127642 VMag=12.21
 RMag=11.63
 [Asteroid] (23921)1998 SH135 18.98 mag.
 Dia=12.3±1.2km Main-belt Asteroid

[[Observer] 1: Takeshi Nemoto 2:
 [Location] Sakado, Saitama, JP
 [Longitude] 139o24'39.2" E
 [Latitude] 35o58'44.2" N
 [Altitude] 20m
 [Datum] WGS84

[Event time] D: 18h27m22.639s +/- 0.006s (UTC)
 S/N=10.36
 R: 18h27m23.994s +/- 0.007s (UTC)
 S/N=9.88
 [Predicted Time error] 0.434 sec [RUWE] 1.05

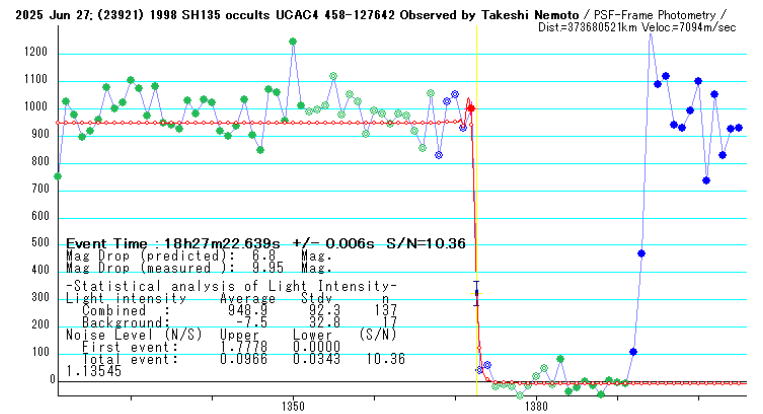
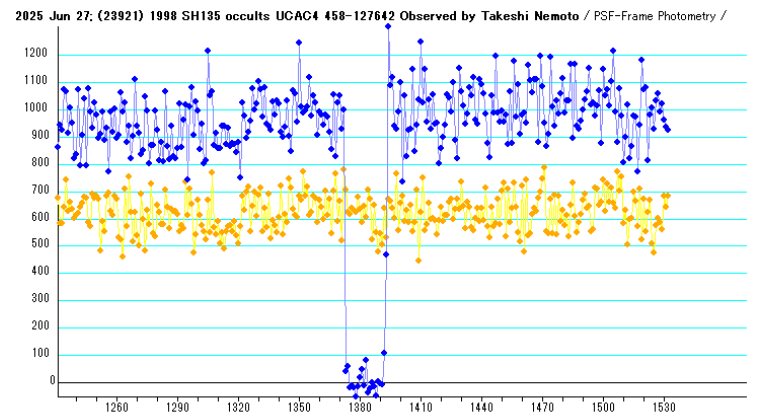
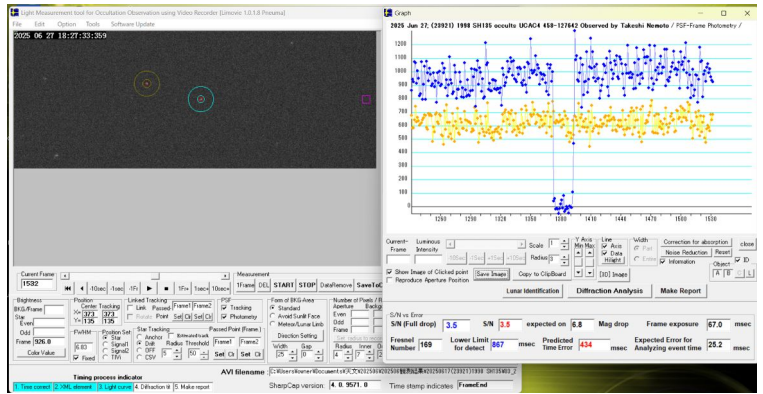
[Recorded] From 18h25m51s
 To 18h28m51s

[Mag. drop] D: Measured: Mag Drop (measured):
 9.95 Mag. ; Predicted: Mag Drop (predicted): 6.8
 Mag.
 R: Measured: Mag Drop (measured):
 10.00 Mag. ; Predicted: Mag Drop (predicted): 6.8 Mag.

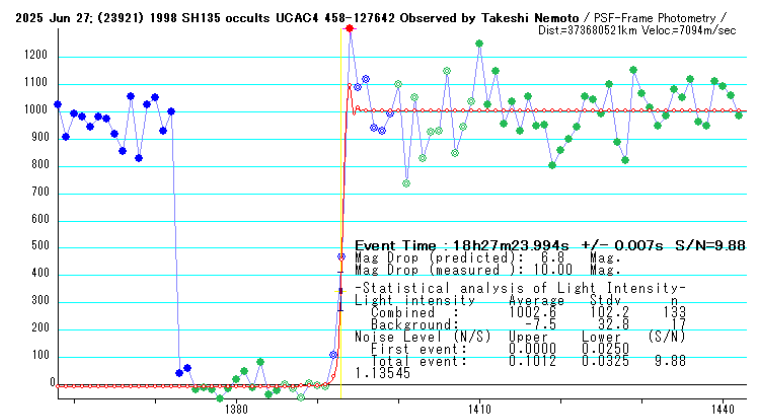
[Telescope] Aperture: 25cm Type: Newtonian F=3.1
 [Camera] Analog or Digital video , Model=
 ASI290MM
 [Exposure] Set: 67.0msec, Measure: 67.0msec
 [Setting] Area: 1448x548 ; Binning=2
 Gain: 460 ; Brightness: 155 ; High Speed
 Mode: Off
 [Time keep] GPS ; Model: GT902MGG
 [Evidence] GPS Time Log : Recorded ; Screen shot:
 Recorded

[Condition] Stability: Steady Transparency: Clear
 [Remarks]

[Additional comment]



Exp=67.0msec / Frm No.1372.0 / Frm Mid= 18h27m22.5947s. End= 22.6282s / Event=Frm mid +0.041s +/- -0.006s / OctAngle=0.0deg



Exp=67.0msec / Frm No.1394.0 / Frm Mid= 18h27m24.0689s. End= 24.1024s / Event=Frm mid -0.0761s +/- -0.007s / OctAngle=0.0deg

<Observations>
<Event>
<Date>2025|6|27|18.4</Date>
<Details>
<Star>UCAC4|458-127642|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>23921|1998 SH135|0.00000000|0.00000000|
0.00000000|0.00000000|0.00000000|0.00000000|1.00000|0.00000|
0.0|1.0|20.00</Asteroid>
</Details>
<Observations>
<Observer>
<ID>1|Takeshi Nemoto||0|Sakado, Saitama|JP|+139 24
39.2|+35 58 44.2|20| |25|2|a|a</ID>
<Conditions>1|1|10.12||</Conditions>
<D>18 27 22.639|D|0.006||| </D>
<R>18 27 23.994|R|0.007||| </R>
</Observer>
</Observations>
<LastEdited>2023|7|17</LastEdited>
</Event>
</Observations>

Text-based Light curve
(23921)_20250627_182720_Takeshi_Nemoto.dat

Date: 2025-6-27 18:27:20.65: 5.63: 85
Star: 0: 0: 0: 0-0-0: 458-127642
Observer: +139:24:39.2: +35:58:44.2: 20: Takeshi Nemoto
Object: Asteroid: 23921: 1998 SH135
Values:937:1034:903:848:1070:1059:956:1246:1013:988:995:1
010:1120:979:1051:1027:907:993:983:944:981:976:918:857:1
057:828:1028:1052:931:1001:40:59:-19:-13:-20:-53:-
17:17:47:-13:82:-37:-22:-1:-16:-51:2:-6:-8:
106:468:1305:1091:1118:940:928:992:1102:736:1052:828:925:
930:1148:848:942:1037:1248:1025:1149:956:1037:931:1057:9
49:951:804:858:900:944:1056:1046:993:1099:889