

(9203)Myrtus occults UCAC4 392-058875

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

[Date ] 2025. 2.22 [Approx hour] 18.4
[Star ] UCAC4 392-058875 VMag=11.86 RMag=11.35
[Asteroid ] (9203)Myrtus 17.77 mag.

[Observer ] 1: Katsuhiko Kitazaki 2:
[Location ] Musasino, Tokyo, JP
[Longitude ] 139o33'41.2" E
[Latitude ] 35o42'37.0" N
[Altitude ] 66m
[Datum ] WGS84

[Event time] D: 18h18m19.793s +/- 0.019s (UTC) S/N=10.35 Ctt=44.9
R: 18h18m21.021s +/- 0.035s (UTC) S/N=9.94 Ctt=68.0
D: 18h18m21.186s +/- 0.025s (UTC) S/N=10.28 Ctt=58.3
R: 18h18m24.415s +/- 0.022s (UTC) S/N=10.34 Ctt=53.2
[Predicted Time error] 0.755 sec [RUWE] 1.00

[Recorded ] From 18h17m30s
To 18h19m30s

[Mag. drop ] D: Measured: Mag Drop (measured): 3.33 Mag. ; Predicted:
Mag Drop (predicted): 5.9 Mag.
R: Measured: Mag Drop (measured): 3.29 Mag. ; Predicted:
Mag Drop (predicted): 5.9 Mag.
D: Measured: Mag Drop (measured): 4.98 Mag. ; Predicted:
Mag Drop (predicted): 5.9 Mag.
R: Measured: Mag Drop (measured): 4.95 Mag. ; Predicted:
Mag Drop (predicted): 5.9 Mag.

[Telescope ] Aperture: 40cm Type: Classical Cassegrain
F=2.5 (Reducer x0.25)
[Camera ] Analog or Digital video , Model= ASI290MM
[Exposure ] Set: 50.2msec, Measure: 50.2msec
[Setting ] Area: 1936x600 ; Binning=2
Gain: 380 ; Brightness: 80 ; High Speed Mode: Off
[Time keep ] GPS ; Model: GHS-OSD
[Evidence ] GPS Time Log : Recorded ; Screen shot: Recorded

[Condition ] Stability: Strong flickering Transparency: Clear
[Remarks ] There were two disappearances and two reappearances. Since
the midpoints were identified in both cases, they were analyzed with different
ContactAngle. In particular, the first half of 1D1R shows a gentle luminosity
curve, which may be due to glazing occultation. It seems to be a glazing
occultation. I think this asteroid seems to be a contact between two asteroids.

[Additional comment]
Capture : ZWO ASI290MM imaging data to PC using SharpCap4.1.12946.0
Photometry analysis : Analyzed with software.limovie1.0.0.7C Pneuma.
Photometry method : PSF photometry
(Sharp4.1 ON,Tracking OFF, Linked Tracking=ON, Star's Angular
Diameter=ON)

Data Release Site
https://drive.google.com/drive/folders/19w79RDge4H\_rCLf87zksGgqe5QVQ
Ltvu?usp=sharing

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<Observations>
<Event>
<Date>2025|2|22|18.4</Date>
<Details>
<Star>UCAC4|392-
058875|0||0.000000000|0.000000000|0.00|0.00|0.00|0|0.00000000|0.00000
00|25.00|25.00|25.00|0</Star>

<Asteroid>9203|Myrtus|0.00000000|0.00000000|0.00000000|0.00000000|0.000
0000|0.00000000|1.00000|0.00000|0.0|1.0|20.00</Asteroid>

</Details>

<Observations>

<Observer>

<ID>1|Katsuhiko Kitazaki||0|Musasino, Tokyo|JP|+139 33 41.2|+35
42 37.0|66| |40|6|a|a</ID>

<Conditions>3|1|10.14||There were two disappearances and two
reappearances. Since the midpoints were identified in both cases, they were
analyzed with different ContactAngle. In particular, the first half of 1D1R shows
a gentle luminosity curve, which may be due to glazing occultation. It seems to
be a glazing occultation. I think this asteroid seems to be a contact between two
asteroids.</Conditions>

<D>18 18 19.793|D|0.019||| </D>

<R>18 18 21.021|R|0.035||| </R>

</Observer>

<Observer>

<ID>2|Katsuhiko Kitazaki||0|Musasino, Tokyo|JP|+139 33 41.2|+35
42 37.0|66| |40|6|a|a</ID>

<Conditions>3|1|10.31||There were two disappearances and two
reappearances. Since the midpoints were identified in both cases, they were
analyzed with different ContactAngle. In particular, the first half of 1D1R shows
a gentle luminosity curve, which may be due to glazing occultation. It seems to
be a glazing occultation. I think this asteroid seems to be a contact between two
asteroids.</Conditions>

<D>18 18 21.186|D|0.025||| </D>

<R>18 18 24.415|R|0.022||| </R>

</Observer>

</Observations>

<LastEdited>2023|7|17</LastEdited>

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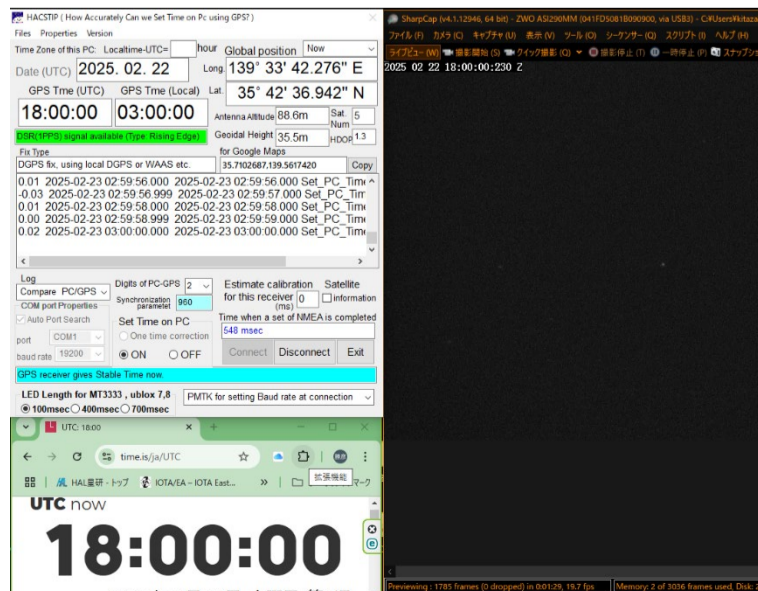
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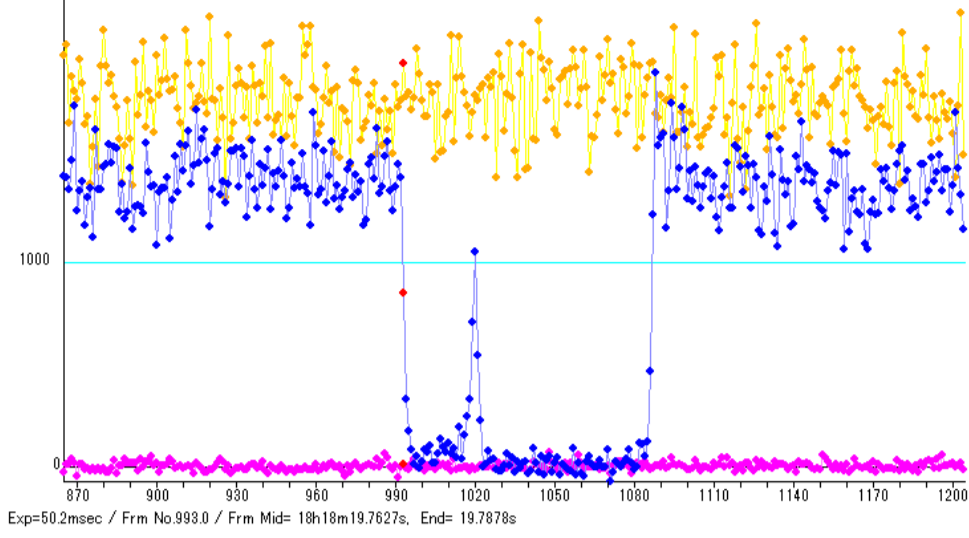
Text-based Light curve
(9203)\_20250222\_181817\_Katsuhiko\_Kitazaki.dat

Date: 2025-2-22 18:18:17.80: 8.49: 170
Star: 0: 0: 0: 0: 0-0-0: 392-058875
Observer: +139:33:41.2: +35:42:37.0: 66: Katsuhiko Kitazaki
Object: Asteroid: 9203: Myrtus
Values:1364:1526:1364:1330:1178:1726:1563:1327:1353:1539:1290:1418:1583
:1306:1370:1256:1316:1347:1452:1480:1316:1423:1337:1390:1176:1204:1472:
1510:1403:1651:1335:1363:1512:1584:1343:1251:1368:1474:1411:847:331:179
:89:16:56:-3:29:90:75:
106:20:22:68:139:98:75:118:70:94:47:194:42:161:247:334:707:1049:547:227:4:
14:82:36:40:-7:-19:-14:7:65:11:45:-25:31:-6:22:26:-28:-18:91:22:-21:54:-
36:37:52:-21:19:47:-36:
16:0:-9:-18:91:-36:23:-27:-43:31:52:17:3:2:35:1:0:87:-68:-
21:31:15:5:25:43:86:19:-
10:4:119:113:56:124:468:1231:1918:1565:1603:1622:1162:1345:1775:1601:135
0:1458:1752:1642:1308:1442:1297:
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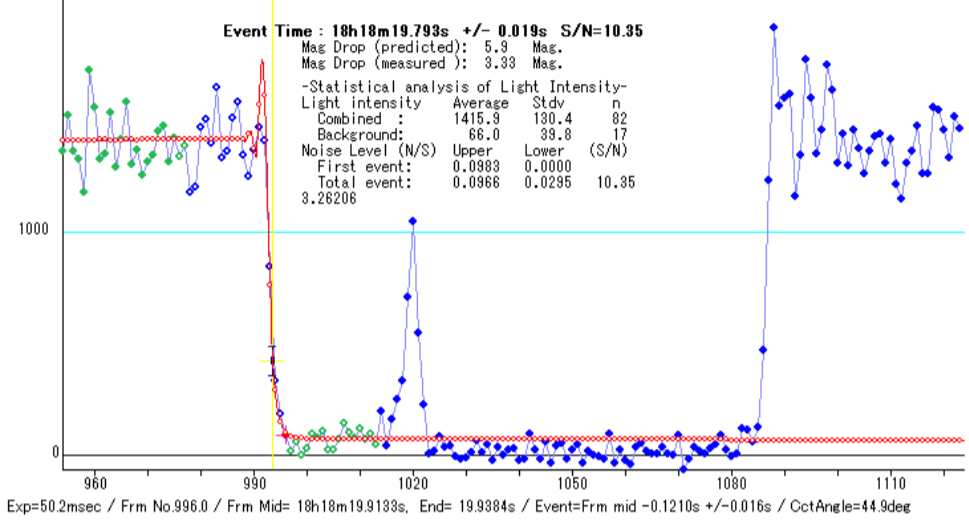
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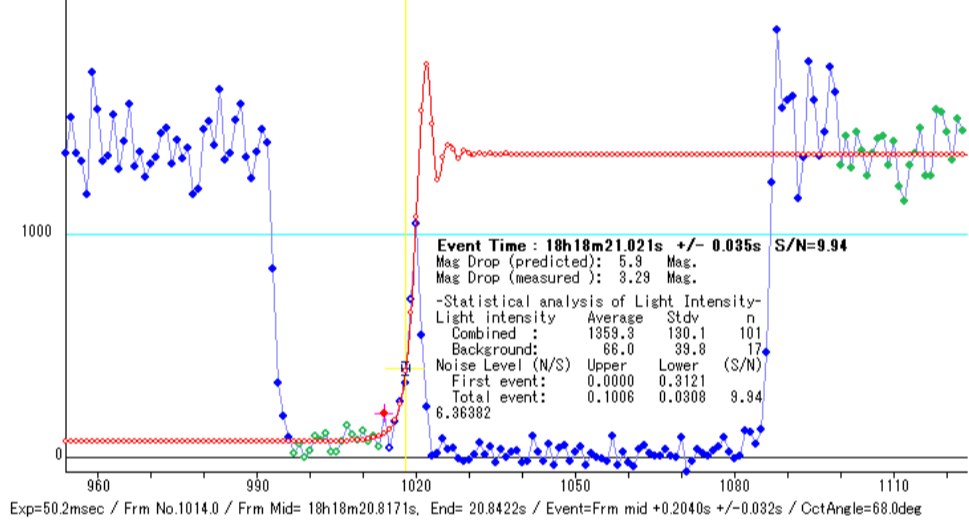
2025 Feb 22: (9203) Myrtus occults UCAC4 392-058875 Observed by Katsuhiko Kitazaki / PSF-Frame Photometry /



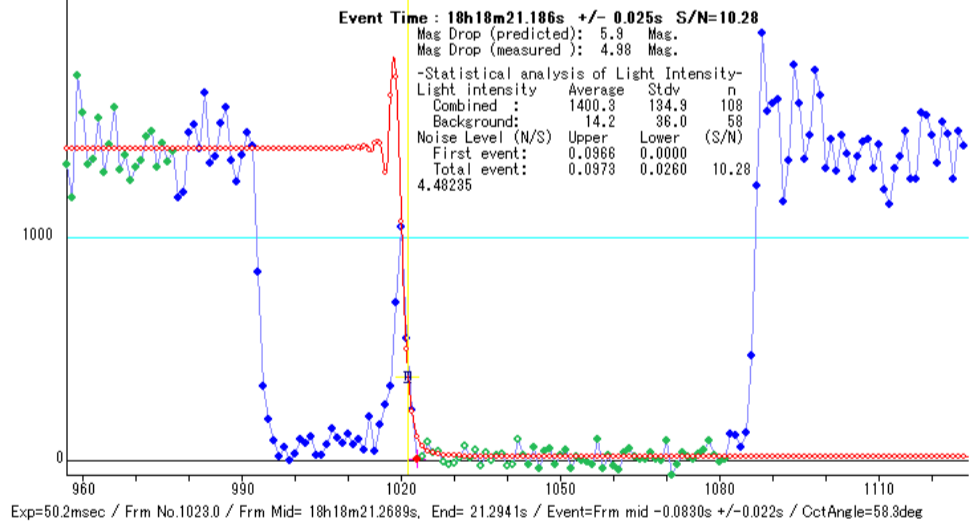
2025 Feb 22: (9203) Myrtus occults UCAC4 392-058875 Observed by Katsuhiko Kitazaki / PSF-Frame Photometry /  
Dist=348862234km Veloc=5154m/sec



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