(168)Sibylla occults UCAC4 448-140761

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

[Date] 2025.12.18 [Approx hour] 10.0
[Star] UCAC4 448-140761 VMag=14.74 RMag=14.20
[Asteroid] (168)Sibylla 14.04 mag.

[Observer] 1: Katsuhiko Kitazaki 2:
[Location] Saku, Nagano, JP
[Longitude] 138o28'55.8" E
[Latitude] 36o11'55.2" N
[Altitude] 703m
[Datum] WGS84

[Predicted Time error] 0.521 sec [RUWE] 1.05

[Recorded] From 10h5m0s
To 10h6m10s

[Mag. drop] D: Measured: ; Predicted:
R: Measured: ; Predicted:

[Telescope] Aperture: 28cm Type: SCT F=2.3(Reduserx0.23)
[Camera] Analog or Digital video , Model= ASI462MM
[Exposure] Set: 62.0msec, Measure: 62.0msec
[Setting] Area: 1936x800 ; Binning=2
Gain: 520 ; Brightness: 145 ; High Speed Mode: Off
[Time keep] GPS ; Model: GT502MGG
[Evidence] GPS Time Log : Recorded ; Screen shot: Recorded

[Condition] Stability: Strong flickering Transparency: Clear
[Remarks]
The sky clarity was poor. The observation results were a miss.
[Additional comment]
Capture : ZWO ASI290MM imaging data to PC using SharpCap4.1.14013.0
Photometry analysis : Analyzed with software.limovie1.0.1.8 Pneuma
Photometry method：PSF photometry / Aperture photometry
(Sharp4.1 ON,Tracking OFF, Linked Tracking=ON, Star's Angular Diameter=ON)
Data Release Site
https://drive.google.com/drive/folders/1WDfHpTs5ZnmB4DoLzSjsEynDAVQ7Kii9?usp=sharing

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<Observations>
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<Date>2025|12|18|10.0</Date>
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<Star>UCAC4|448-140761|0||0.0000000000|0.000000000|0.00|0.00|0.00|0|0.00000000|0.0000000|25.00|25.00|25.00|0</Star>

<Asteroid>168|Sibylla|0.00000000|0.00000000|0.0000000|0.0000000|0.0000000|0.0000000|1.00000|0.00000|0.0|1.0|20.00</Asteroid>
</Details>
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<ID>1|Katsuhiko Kitazaki||0|Saku, Nagano|JP|+138 28 55.8|+36 11 55.2|703| |28|3|a|a</ID>
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<D>10 5 35.3|M|||| </D>
<R>10 5 35.3|M|||| </R>
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Text-based Light curve
(168)_20251218_100524_Katsuhiko_Kitazaki.dat

Date: 2025-12-18 10:5:24.75: 21.02: 340
Star: 0: 0: 0: 0: 0-0-0: 448-140761
Observer: +138:28:55.8: +36:11:55.2: 703: Katsuhiko Kitazaki
Object: Asteroid: 168: Sibylla
Values:1089:1177:852:833:638:752:1112:986:983:722:648:829:910:697:987:893:896:1015:808:927:752:881:824:1266:1226:840:1116:1115:887:1048:908:931:1092:1025:1154:818:942:1140:1113:1030:833:1074:868:1006:741:740:869:932:1034:
741:847:757:950:849:1287:887:1256:602:871:796:1038:1186:877:984:760:671:1246:1101:840:848:882:934:845:1033:614:736:931:1022:930:1231:975:1026:799:881:1202:807:1041:869:1369:956:792:632:816:797:951:1068:1063:781:977:1125:1030:747:562:786:993:1198:854:809:718:1124:805:986:1022:1036:591:695:1073:976:578:909:869:1217:1170:1063:836:480:940:1036:1123:951:947:920:740:690:1071:798:1146:807:838:903:835:976:858:1023:1025:1338:834:1021:1100:
1117:1230:960:869:1060:854:777:952:1015:1134:871:990:1356:894:748:742:937:1038:982:660:841:1020:939:953:1115:886:827:1047:738:1013:872:723:816:1169:937:735:936:929:737:1044:547:953:851:1010:959:1075:891:787:829:1309:1194:1006:800:660:1032:1099:1012:746:1054:1080:1276:896:838:659:1041:648:925:1028:854:779:1095:1060:645:759:1164:827:932:863:598:819:858:837:1129:999:1077:1137:1195:908:1062:886:1089:1059:1104:1152:753:851:876:1018:750:984:
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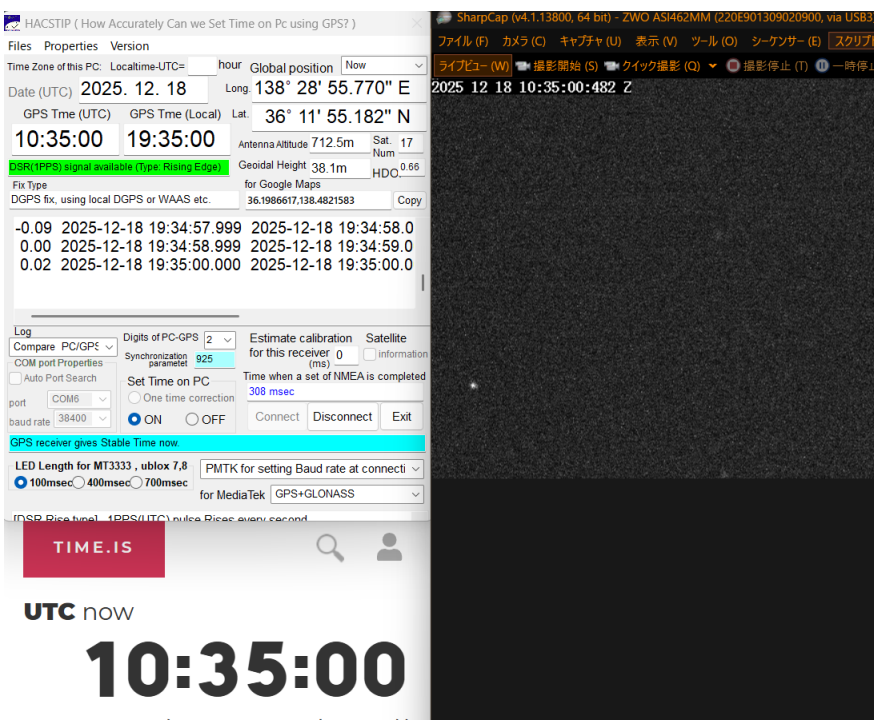
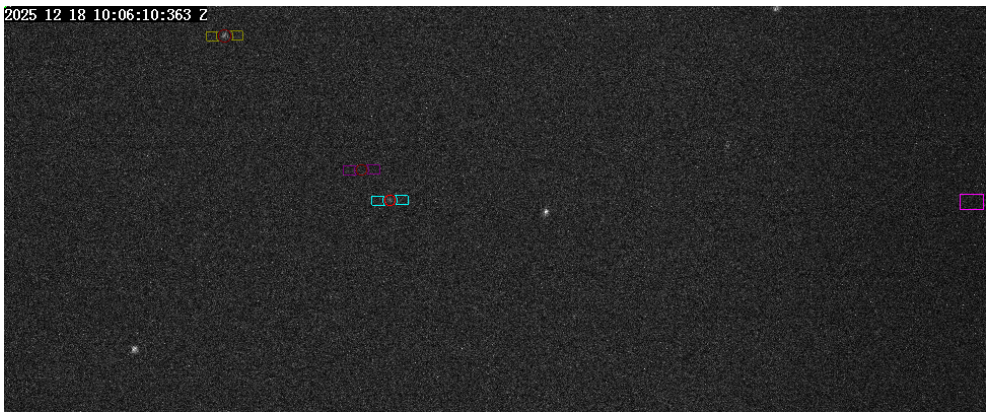
1192:1043:605:785:1055:1262:1107:559:984:962:870:861:1040:932:1354:962:1145:1054:932:1082:1003:1110:1100:962:862:1162:1130:1292:1339:786:1077:848:965:778:1367:1243:1054:842:1136:989:917

Observation Point

UTC Time Evidence



Target Star Position（Target star = Blue, Comparison star = Yellow, Pink = Background metering）



Light curve（Target star = Blue line, Target star = Yellow line）