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

[Date] 2024. 1.15 [Approx hour] 11.5
[Star] UCAC4 526-017964
[Asteroid] (1428)Mombasa

[Observer] 1: Katsuhiko Kitazaki 2:
[Location] Musashino, JPN
[Longitude] 139o33'41.3" E
[Latitude] 35o42'36.9" N
[Altitude] 66m
[Datum] WGS84

[Event time] D: 11h31m59.108s +/- 0.059s (UTC) S/N=2.74
R: 11h32m02.631s +/- 0.056s (UTC) S/N=2.78

[Recorded] From 11h31m0s
To 11h33m0s

[Mag. drop] D: Measured: 1.92 ; Predicted: 1.7
R: Measured: 1.93 ; Predicted: 1.7

[Telescope] Aperture: 40cm Type: Other（Cassegrain） F=2.5（x0.25 Reducer)
[Camera] Analog or Digital video , Model= ASI290MM
[Exposure] Set: 91.5msec, Measure: 91.5msec
[Setting] Area: 1936x400 ; Binning=2
Gain: 370 ; Brightness: 36 ; 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] Due to strong winds, seeing was very poor and the star became enlarged.

[Additional comment]

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<Observations>
<Event>
<Date>2024|1|15|11.5</Date>
<Details>
<Star>UCAC4|526-017964|0||0.0000000000|0.000000000|0.00|0.00|0.00|0|0.00000000|0.00000000|25.00|25.00|25.00|0</Star>

<Asteroid>1428|Mombasa|0.00000000|0.00000000|0.0000000|0.0000000|0.0000000|0.0000000|1.00000|0.00000|0.0|1.0|20.00</Asteroid>
</Details>
<Observations>
<Observer>
<ID>1|Katsuhiko Kitazaki||0|Musashino|JPN|+139 33 41.3|+35 42 36.9|66| |40|6|a|a</ID>
<Conditions>3|1|2.76||Due to strong winds, seeing was very poor and the star became enlarged.</Conditions>
<D>11 31 59.108|D|0.059||| </D>
<R>11 32 2.631|R|0.056||| </R>
</Observer>
</Observations>
<LastEdited>2023|7|17</LastEdited>
</Event>
</Observations>

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Text-based Light curve

Date: 2024-1-15 11:31:53.42: 15.46: 170
Star: 0: 0: 0: 0: 0-0-0: 526-017964
Observer: +139:33:41.3: +35:42:36.9: 66: Katsuhiko Kitazaki
Object: Asteroid: 1428: Mombasa
Values:1217:810:1045:1193:1231:980:1693:964:961:1281:690:1038:776:1602:69:1326:557:1430:1360:1234:914:892:1282:1215:1394:1472:991:735:1314:1025:1173:1353:1429:1082:1003:707:1748:1246:581:696:1301:1385:1479:1084:937:829:1878:982:892:
1005:1699:1180:1433:872:931:1447:301:665:941:1111:1261:1922:790:17:139:864:271:202:165:121:228:167:104:54:14:141:183:93:303:104:182:206:239:43:139:170:202:590:480:235:15:120:374:447:109:211:91:353:116:
97:242:1014:1003:854:893:1210:846:953:1200:902:687:1611:1400:863:1388:1124:1500:1674:775:1403:1502:947:1446:808:746:499:983:864:1018:1377:1464:1622:1057:1211:1042:1755:1442:1127:1616:1099:1102:915:1458:1268:384:1450:1456:1529:864:
1147:923:743:1283:957:1284:520:1433:965:1462:372:1481:1578:570:899:1149:1168:1034:490:906:774