

(2251)Tikhov occults UCAC4 383-078828

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

[Date] 2025. 5.14 [Approx hour] 17.9
[Star] UCAC4 383-078828 VMag=13.56 RMag=12.45
[Asteroid] (2251)Tikhov 16.04 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: 17h54m33.738s +/- 0.048s (UTC) S/N=3.96
R: 17h54m35.274s +/- 0.073s (UTC) S/N=3.21
[Predicted Time error] 0.170 sec [RUWE] 1.00

[Recorded] From 17h54m0s
To 17h55m15s

[Mag. drop] D: Measured: Mag Drop (measured): 2.07 Mag. ; Predicted:
Mag Drop (predicted): 2.6 Mag.
R: Measured: Mag Drop (measured): 1.94 Mag. ; Predicted:
Mag Drop (predicted): 2.6 Mag.

[Telescope] Aperture: 40cm Type: Other F=2.5
[Camera] Analog or Digital video , Model= ASI290MM
[Exposure] Set: 165.0msec, Measure: 165msec
[Setting] Area: 1936x800 ; Binning=2
Gain: 340 ; Brightness: 0 ; High Speed Mode: Off
[Time keep] GPS ; Model: GHS-OSD (PPSPUcorrection -0.0151076s)
[Evidence] GPS Time Log : Recorded ; Screen shot: Recorded

[Condition] Stability: Strong flickering Transparency: Fog
[Remarks] The sky was Foggy and there was a moon nearby, S/N was poor.

[Additional comment]
Capture : ZWO ASI290MM imaging data to PC using SharpCap4.1.13193.0
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, More - Gaussian Filtr 0)

<Observations>

<Event>
<Date>2025|5|14|17.9</Date>
<Details>
<Star>UCAC4|383-
078828|0||0.000000000|0.00000000|0.00|0.00|0.00|0|0.00000000|0.00000
00|25.00|25.00|25.00|0</Star>
<Asteroid>2251|Tikhov|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|2|3.58||The sky was Foggy and there was a moon
nearby, S/N was poor.</Conditions>
<D>17 54 33.738|D|0.048||| </D>
<R>17 54 35.274|R|0.073||| </R>
</Observer>
</Observations>
<LastEdited>2023|7|17</LastEdited>

</Event>
</Observations>

Text-based Light curve
(2251)_20250514_175428_Katsuhiko_Kitazaki.dat

Date: 2025-5-14 17:54:27.98: 13.86: 85
Star: 0: 0: 0: 0: 0-0-0: 383-078828
Observer: +139:33:41.2: +35:42:37.0: 66: Katsuhiko Kitazaki
Object: Asteroid: 2251: Tikhov
Values:282:259:97:200:266:192:233:202:197:312:299:183:194:147:206:166:255
:215:298:246:184:295:166:226:164:318:268:158:255:131:149:202:223:167:249:
100:5:76:140:8:5:68:55:27:80:238:302:216:214:
190:197:154:197:255:216:212:204:175:201:269:175:151:189:226:189:258:118:2
32:137:112:150:207:125:256:220:272:209:235:206:251:173:212:146:72:185

