

(3443)Leetsungdao occults UCAC4 492-008945

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

[Date] 2025. 2.22 [Approx hour] 12.9
[Star] UCAC4 492-008945 VMag=13.43 RMag=12.86
[Asteroid] (3443)Leetsungdao 18.78 mag.

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

[Event time] D: 13h04m37.376s +/- 0.022s (UTC) S/N=6.47
R: 13h04m37.741s +/- 0.021s (UTC) S/N=6.70
[Predicted Time error] 0.178 sec [RUWE] 0.95

[Recorded] From 13h3m30s
To 13h5m30s

[Mag. drop] D: Measured: Mag Drop (measured): 3.00 Mag. ; Predicted:
Mag Drop (predicted): 5.4 Mag. [for fitting]
R: Measured: Mag Drop (measured): 2.99 Mag. ; Predicted:
Mag Drop (predicted): 5.4 Mag. [for fitting]

[Telescope] Aperture: 40cm Type: Other F=2.5
[Camera] Analog or Digital video , Model= ASI290MM
[Exposure] Set: 144.0msec, Measure: 144msec
[Setting] Area: 1936x600 ; Binning=2
Gain: 340 ; Brightness: 13 ; High Speed Mode: Off
[Time keep] GPS ; Model: GHS-OSD (PPSPUcorrection-0.0069875s)
[Evidence] GPS Time Log : Recorded ; Screen shot: Recorded

[Condition] Stability: Strong flickering Transparency: Clear
[Remarks] Scintillation had a significant effect and there was no flat point
in the MagDrop region of the light curve.

[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 : Aperture photometry
(Sharp4.1 ON,Tracking=OFF,Linked Tracking=OFF,Star's Angular
Diameter=ON,Mag drop considered=ON)
Data Release Site
https://drive.google.com/drive/folders/18L8yJxBHJnBo3u4aYvMkSDPKJmDe
Vkwe?usp=sharing

<Observations>

<Event>

<Date>2025|2|22|12.9</Date>

<Details>

<Star>UCAC4|492-

008945|0||0.0000000000|0.0000000000|0.00|0.00|0.00|0|0.00000000|0.000000
00|25.00|25.00|25.00|0</Star>

<Asteroid>3443|Leetsungdao|0.00000000|0.00000000|0.00000000|0.00000000|
0.00000000|0.00000000|1.000000|0.000000|0.0|1.0|20.00</Asteroid>

</Details>

<Observations>

<Observer>

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

<Conditions>3|1|6.58||Scintillation had a significant effect and there
was no flat point in the MagDrop region of the light curve.</Conditions>

<D>13 4 37.376|D|0.022||| </D>

<R>13 4 37.741|R|0.021||| </R>

</Observer>

</Observations>

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

</Event>

</Observations>

