

# Asteroid Occultation Report Observation was: Positive Takeshi Nemoto Email: nemoto00@juno.ocn.ne.jp

[Date ] 2024. 2.26 [Approx hour] 15.9

[Star ] Tycho2 4804-01371-1

[Asteroid ] (1685)Toro

[Observer ] 1: Takeshi Nemoto 2:

[Location ] Yamato,Kanagawa, JPN

[Longitude ] 139o27'01.3" E

[Latitude ] 35o25'57.6" N

[Altitude ] 46m

[Datum ] WGS84

[Event time] D: 16h06m56.094s +/- 0.013s (UTC) S/N=3.00

R: 16h06m56.413s +/- 0.023s (UTC) S/N=2.37

D: 16h06m56.542s +/- 0.008s (UTC) S/N=3.73

R: 16h06m56.992s +/- 0.076s (UTC) S/N=1.32

[Recorded ] From 16h5m43s

To 16h8m43s

[Mag. drop ] D: Measured: Mag Drop (measured): 0.96 Mag. ; Predicted:  
Mag Drop (predicted): 5.9 Mag.

R: Measured: Mag Drop (measured): 0.48 Mag. ; Predicted: Mag  
Drop (predicted): 5.9 Mag.

D: Measured: Mag Drop (measured): 0.68 Mag. ; Predicted: Mag  
Drop (predicted): 5.9 Mag.

R: Measured: Mag Drop (measured): 0.83 Mag. ; Predicted: Mag  
Drop (predicted): 5.9 Mag.

[Telescope ] Aperture: 20cm Type: Newtonian F=4.0

[Camera ] Analog or Digital video , Model= ASI290MM

[Exposure ] Set: 25.6msec, Measure: 25.6msec

[Setting ] Area: 1280x548 ; Binning=2

Gain: 430 ; Brightness: 130 ; High Speed Mode: Off

[Time keep ] GPS ; Model: GT902MGG

[Evidence ] GPS Time Log : Recorded ; Screen shot: None

[Condition ] Stability: Strong flickering Transparency: Clear

[Remarks ]

[Additional comment]

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<Observations>

<Event>

<Date>2024|2|26|15.9</Date>

<Details>

<Star>Tycho2|4804-01371-1|0|0.000000000|0.00000000|0.00|0.00|0.00|0|  
0.00000000|0.00000000|25.00|25.00|25.00|0</Star>

<Asteroid>1685|Toro|0.00000000|0.00000000|0.00000000|0.00000000|0.00000000|  
0.00000000|1.00000|0.00000|0.0|1.0|20.00</Asteroid>

</Details>

<Observations>

<Observer>

<ID>1|Takeshi Nemoto||0|Yamato,Kanagawa|JPN|+139 27 01.3|+35 25 57.6|46| |  
20|2|a|a</ID>

<Conditions>3|1|2.52||</Conditions>

<D>16 6 56.542|D|0.008|||</D>

<R>16 6 56.992|R|0.076|||</R>

</Observer>

<Observer>

<ID>2|Takeshi Nemoto||0|Yamato,Kanagawa|JPN|+139 27 01.3|+35 25 57.6|46| |  
20|2|a|a</ID>

<Conditions>3|1|2.69||</Conditions>

<D>16 6 56.094|D|0.013|||</D>

<R>16 6 56.413|R|0.023|||</R>

</Observer>

</Observations>

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

</Event>

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