

# Department for Planetary and asteroidal occultation observations

(惑星および小惑星による掩蔽部局)

## Our missions

- Promote and disseminate observations of occultations by planets and asteroids.
- Provide prediction of occultation phenomena, receive and compile observation reports, and report to IOTA.  
(惑星および小惑星による掩蔽の観測の普及・推進と、観測報告の受付等を主な任務としています。)

## Activities

1. Provide prediction of occultation phenomena by planets and asteroids.  
(惑星および小惑星による掩蔽現象の予報提供)
2. Receive observation reports from East Asia region and submit to IOTA central office.  
(観測報告の受付と東アジア地域での観測結果の中央局への報告)
3. Disseminate observational and analytical methods. (観測法および解析法の普及)
4. Archive and publish observation. (観測結果のアーカイブと公開)
5. Contribute to planetary exploration and science research. (惑星探査や天文学の研究への貢献)

# Predictions (予報)

Web Site (ホームページ)

Event Calendar (イベントカレンダー)

Date(UT)	Star	mag	RA(h m s)	Dec(° ' ")	Asteroid	mag	dia (km)	duration (sec)	dmag	Links	Region	Note
01/02 13h03m	UCAC4 608-020146	12.9	05 21 31.564	+31 37.74	(98943)2001 CC21	17.3	0.6	0.16	4.4	OWC	W. Japan	HAYABUSA2 target object
01/03 15h58m	TYC 2390-00866-1	11.0	05 17 32.271	+31 29.58	(98943)2001 CC21	17.3	0.6	0.10	6.3	OWC	North-japan	HAYABUSA2 target object
01/04 12h49m	UCAC4 490-005400	14.4	03 44 52.569	+07 01.12	2013XL40	23.55	125.9	8.1	9.2	Goffin	TNO	
01/05	TYC 443-000000	11.87	05 41 14	+21 44	(4)Vesta	6.7	523.2	45.5	0.0	Goffin	North-	Major,

Link to Occult Watcher-Cloud ,Goffin, Lucky Star Prediction (オカルト・ウォッチャー・クラウド他の予報にリンク)

# Report and Support (報告とサポート)

➤ Send your observation reports to  
[asteroid-report@iota-ea.org](mailto:asteroid-report@iota-ea.org)



(報告先)



➤ Support analysis

※S/N=2.5 or less

(解析サポート・例えばS/N2.5以下)

➤ Reporting methods  
and forms

(報告方法と様式)

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- IOTA/EA FY2024/25 ANNUAL GENERAL MEETING (1ST CIRCULAR)  
2024-06-16
- MEMBER APPLICATIONS FOR FY2024/25  
2024-06-01
- IOTA/EA STARTS COLLECTION ASTEROIDS AND LUNAR OCCULTATION REPORT  
2023-12-12

2023-12-12 | 0 FEEDBACKS ON "IOTA/EA STARTS COLLECTION ASTEROIDS AND LUNAR OCCULTATION REPORT" | MAIN ACTIVITY | BY KAZUHISA MIYASHITA

## IOTA/EA STARTS COLLECTION ASTEROIDS AND LUNAR OCCULTATION REPORT

IOTA/EA is ready to begin report collection business on Dec.15 2023.

The reports from East Asia region will be sent to the central office of IOTA.

These data, from all over the world, are archived at the VizieR Astronomical Data Center. And the data will be used for various purposes, such as understanding the shape of asteroids and improving their orbits. Lunar data will be used to verify the topography of the lunar limb and the positions of stars, and data on double stars will be reflected on the Washington Double star Catalog.

Send your report directly to:

- Asteroid occultation:** [asteroid-report\\_@iota-ea.org](mailto:asteroid-report_@iota-ea.org)
- Lunar occultation (include grazing occultation):** [lunar-report\\_@iota-ea.org](mailto:lunar-report_@iota-ea.org)

In addition to above, we recommend introducing your observation to regional community with SNS, Mail list and others.

Please feel free to ask me if you have any questions.

- [ Asteroids: [asteroid-report\\_@iota-ea.org](mailto:asteroid-report_@iota-ea.org) ]
- [ Lunar: [lunar-report\\_@iota-ea.org](mailto:lunar-report_@iota-ea.org) ]

Details on how to submit reports are described in the following documents:

- How to report your observations of Asteroids and Moon occultation (English) [pdf: 0.7MB]
- 小惑星と月の掩蔽観測の報告方法 (japanese translation) [pdf: 1.2MB]

Dec. 12, 2023  
Asteroids / Lunar department  
International Occultation Timing Association / East Asia



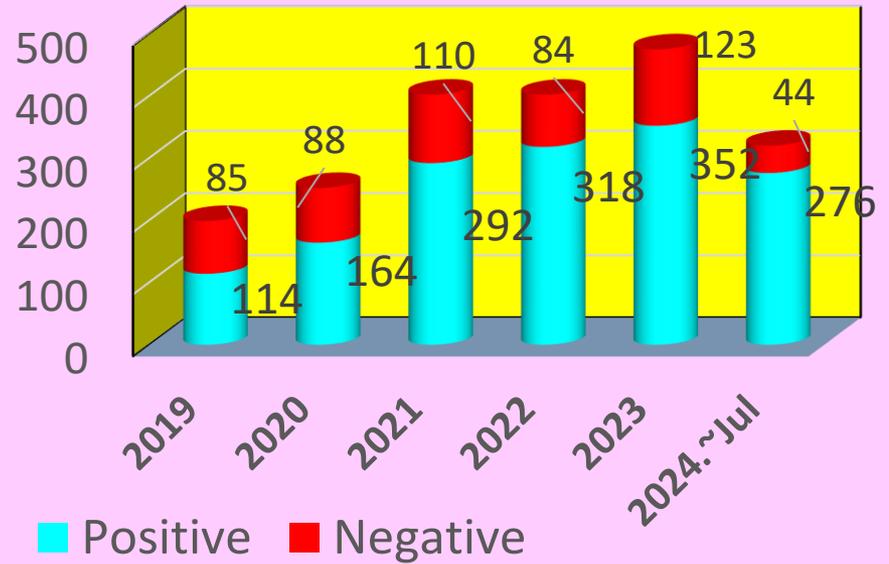
# Results *From 2019 to July.2024*

(2019年から2024年7月までの結果)

## Success Events (East Asia)



## Point of Success Events (East Asia)



## Miss Only & Positive? et al Event & Point (East Asia)

