Public Relations and Training

Fumi Yoshida

Publication:

Two refereed publications have been produced: one scientific paper and one scientific report.

Distribution of Observing Manual:

The observation manual supervised by IOTA/EA is available.

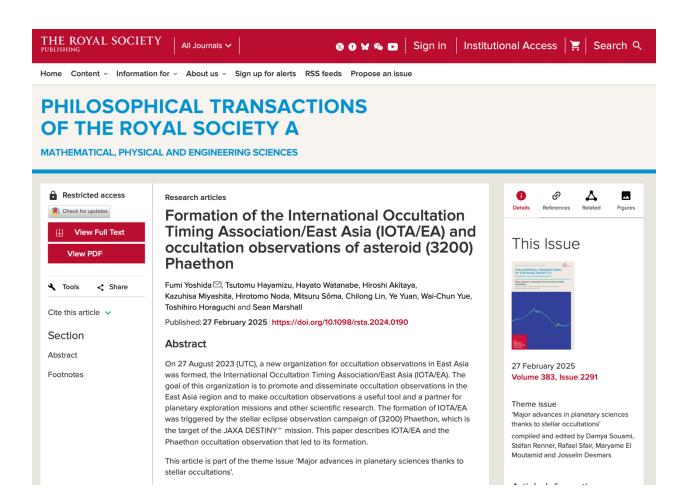
Observations and Data analysis training:

An observation campaign and workshop on September 19, 2025 Experience cutting-edge professional occultation observations.

Publication

Scientific paper

This article is part of the theme issue 'Major advances in planetary sciences thanks to stellar occultations'.



This paper describes the background of the formation of IOTA/EA, its activities, and the Phaethon occultation observation that led to IOTA/EA's founding.

この論文ではIOTA/EAの設立の経緯とiOTA/EA の活動、そしてIOTA/EA設立のきっかけを作った フェートン掩星観測について述べられている。

本稿は特集「掩星観測がもたらした惑星科学の大きな進展」の一部である。

Publication

Scientific report

THE MINOR PLANET BULLETIN

BULLETIN OF THE MINOR PLANETS SECTION OF THE ASSOCIATION OF LUNAR AND PLANETARY OBSERVERS

VOLUME 52, NUMBER 3, A.D. 2025 JULY-SEPTEMBER

191

A New Satellite of Asteroid (6326) Idamiyoshi **Discovered from Occultation Observation**

Pages 267-270

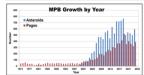
Miyashita, Kazuhisa; Watanabe, Hayato; Yamamura, Hidehito; Manago, Norihiro

A highly probable satellite phenomenon was observed during the occultation of the star UCAC4 525-004262 by the asteroid (6326) Idamiyoshi on August 21, 2024 at 18.75 hr (UT).

IOTA/EAメンバーがAsteroid (6326) Idamiyoshi に衛星を発見した観測報告がMinor Planer Bullitenに載りました。

https://mpbulletin.org

The Minor Planet Bulletin



anual voluntary contributions of \$5.00 or more in support of the publication are welcome

- c/o Melissa Haves-Gehrke 1113 PSC Bldg 415

Authors Guide and Word Templates (v.3.0: updated 2024 February 2)
The ZIP file contains the Authors Guide PDF as well as a "starter" paper in Word 2007+ (DOTX).

- in a more accessible way.

 See the announcement in Minor Planet Bulletin 51-2.
- The Pts column is no longer required and has been removed from the template for the standard table
 to allow more room for the other columns.
- The phase column should have only two values: for the first and last date in the range If the phase reaches an extrema between those dates, put an asterisk before the first value. For example
- This also applies if using several references to the same author in the text. For example "This asteroid was observed at three previous apparitions (Jones, 2015; 2017; 2018)..."

Observer	Telesco	оре аре	rture	Camera	Frame exp	osure
Watanabe	20	cm	ZW	D-ASI290MM	0.124	sec
Yamamura	20	cm	2.000	-ASI290MM	0.165	sec
Manago	35	cm	ZW	D-ASI462MM	0.0358	sec

Table I. Observation instruments. These cameras are of rolling shutter type. The system time of the camera control PC was corrected by GPS and, in addition, the time of the lightcurve measurement was accurately corrected by 1PPS LED light, which was simultaneously recorded during observation.

An observational report by IOTA/EA members discovering a satellite around Asteroid (6326) Idamiyoshi has been published in the Minor Planet Bulletin.

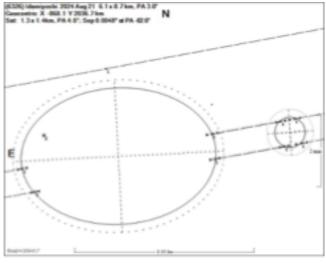


Figure 5. Sky-plane plot with estimated shape and size of the small object, with a possible satellite added. Error bars are given as 3 sigma estimates from the lightcurve noise. The ellipse drawn with dashed line indicates the peak of brightness caused by diffraction.

Distribution of Observing Manual

- As stated in the business plan, the observation manual is now public.
- We also plan to create a simplified version for beginners.

事業計画で述べた通り、観測マニュアルは公開されました。
今後は初心者向けの簡易マニュアルの作成も行なっていこうと思います。

Observations and Data analysis training

• As stated in the business plan, we will hold an observation campaign and workshop on September 19. The special talk at the observation workshop will be about TAOS2.

"TAOS2: detecting new objects beyond Neptune through occultations" will present by Dr. Á. Paula Granados C. (ASIAA)

事業計画で述べた通り、9月19日に観測キャンペーンと 観測ワークショップを開催します。観測ワークショップ のスペシャルトークはTAOS2についてです。プロの行う 掩蔽観測最前線に触れてください。

