

## Minutes of the FY2024/25 Annual General Meeting (by Hirotomo NODA)

Note: The time information is based on the UTC (Coordinated Universal Time).

1 Opening Address            Tsutomu Hayamizu, Fumi Yoshida UTC 01:00-01:06

→ Greetings from Hayamizu, Yoshida (co-chairpersons), who showed their gratitude to welcome everyone and to hold this annual meeting

2 General meeting            Regular members only on Zoom

→ There was an explanation that the voting is necessary based on Bylaw article 13, and that only the regular members can join in this part. Chairperson asked to change the zoom name of the participants correctly for identification.

(1) Accounting report, Budget plan            Hayato Watanabe UTC 01:06-01:11

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--He explained the financial budget of FY2023/24 (period: Aug.1 2023 – July. 31, 2024). No income for the first fiscal year.

-- FY 2024/25 budget is reported (Income 81,001 JPY. Expenses 61,480 JPY, carryover to the next FY 19,521 JPY).

(2) Business report, Business plan            Fumi Yoshida UTC 01:11-01:23

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--She explained the following achievements which had been promised at the inauguration meeting last year: A) launch of the mailing lists, B) data storage preparation, C) creation of webpage of prediction of small-body occultation and lunar occultation.

--Cooperation and collaboration between related organizations such as IOTA, and IOTA/ES were explained. Among them were reports at the ACM (Asteroids, Comets and Meteors meeting) and IOTA/ES meeting.

--She also explained the following:

-- Observation campaigns for 6 small bodies

-- IOTA/EA co-sponsored occultation workshop

--Observation manual prepared (translation from JP to EN version) and soon will be available on the IOTA/EA website, after the review

-- publication list: Articles, presentations and news coverage

(3) Audit report Toshihiro Horaguchi UTC 01:23-01:28

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--Examined the FY2023/24 accounting report and confirmed

--Approved the advanced payments for FY2024/25 during FY2023/24 because there was no income

--Auditor's opinions on the FY2023/24: he showed his gratitude for the efforts and achievements. He also showed his expectation for more activities in the next fiscal year.

#### (4) Activities and plan of the Departments 8departments

– Planetary and asteroidal occultations Kazuhisa Miyashita, Hayato Watanabe UTC 01:28-01:35

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--The mission of this department is to provide the predictions and compilation of reports

--The prediction is provided via website and calendars in the Excel format

--He showed the reporting address of the observations ([asteroid-report@iota-ea.org](mailto:asteroid-report@iota-ea.org))

--The observation results are opened via website

--Graphs of the results from 2019 to July 2024 are shown: The number of successful observations is increasing by year

– Lunar occultations Kazuhisa Miyashita, Mitsuru Soma UTC 01:35-01:41

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--317 lunar occultations have been reported

--All the lunar occultation reports came from JP only with mag. 8 -10 stars

--O-C of position on ingress /egress is the order of 50 mas, which needs to be investigated

--7 lunar grazing were reported from JP only. Stars with smaller RUWE do not fit the limb of the moon.

– Website management Hiroshi Akitaya UTC 01:41-01:48

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-- His affiliation has changed from PERC (Planetary Exploration Research Centre) to ARC (Astronomy Research Centre) of the Chiba Institute of Technology (CIT)

--So far, a wordpress-based web page on the PERC/CIT server <http://perc.it-chiba.ac.jp/iota-ea> has been operated, to which he had belonged

--He plans to move the web server from PERC/CIT to a commercial rental server in FY2024/25

--For this, he allocated the budget plan to purchase the rental server (14,780 JPY)

– Storage of observation data Hirotomoto Noda UTC 01:48-01:51

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--His division established the rules of raw-data storage policy

--The raw data of FY2023/24 observation campaigns are stored in the web-based cloud service (pCloud) and he showed the folders currently stored on the web

--The access to the raw data is still password-controlled, and the board members need to discuss how and when the password is distributed, and to whom in this fiscal year

– Public Relations and Training Fumi Yoshida UTC 01:51-02:04

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-(1) She explained the Business Plan in this FY: 1) 2025 annual meeting, 2) establishment of own domain website, 3) workshops, and 4) observation campaign

--2)(website) is the same content as Akitaya's presentation

--3)(workshop) a workshop will be held in Nov. 16-17, 2024, with the campaign observation of stellar occultation by (3200) Phaethon (ref. 4) ), at Rokkodai 1st campus of the Kobe University, Japan. The contents of the workshop will cover the analysis of AVI and FITS

--4) (campaign) a stellar occultation by (3200) Phaethon campaign is schedule at 19 UTC on Nov. 16, 2024. Details will be shown on the IOTA/EA website

-(2) Public relations

--An observation manual for the IOTA/EA will be on the IOTA/EA website, after reviewing the manuscript on the temporal google drive. The following link is JP version.

<https://www.dropbox.com/scl/fi/4aatrvb4xrmqevoccz63w/OccultObsManual20240414.pdf?rlkey=531q3fkebouz5ohd0fv9imo59&dl=0>

--workshop (same of (1) – 3) already mentioned above)

– Local branch Chilong Lin [National Museum of Natural Science, Taiwan]

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--not reported (absent)

– Local branch Wai-Chun Yue [Hong Kong Astronomical Society] UTC 02:04-02:08

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--Hong Kong suffers air pollution, and because of the small area, number of observations are limited.

--9 observations in 2023 and 4 observations in 2024 so far have been reported

--There is one test user for a occultation-dedicated camera “ASTRID” in Canada

– Local branch Ye Yuan [Purple Mountain Observatory / Chinese Academy of Sciences] UTC 02:08-02:10

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--They tried stellar occultations by 2005 UD at Yunnan and Hangzhou, but the results were negative

--Several single-chord autonomous observations have been established

--Publications on Pluto (2019-09-05) and Triton (2022-10-06) occultations are out

--There are plans for stellar occultations by (3200) Phaethon on Nov. 16 and Nov. 19. Also he wishes to make more autonomous observation, and to train more local observers.

(5) The other agenda

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--no extra agendas

(6) Report number of regular members, attendees and power of attorney UTC 02:12 – 02:13

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All members: 78

Regular members: 54

Today's participant of Regular members: 27, and 9 power of attorney

Vote Hayato Watanabe Tsutomu Hayamizu UTC 02:13 –

→

The items discussed in the general meeting among the regular members are approved by majority vote, by physically raising their hands on the real-time screen or zoom function to raise a hand.

After a short coffee break, a commemorative photo session was held.

4 Invited lectures UTC 02:24-03:25

(1) DESTINY+ asteroid flyby mission and the importance of stellar occultation observation of its target (3200) Phaethon Prof Tomoko Arai

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Prof. Arai talked about the DESTINY+ mission to (3200) Phaethon, the parent body of the Geminid meteor shower. The main mission is to study the dust in-situ by the spacecraft.

Three key questions to be addressed: 1) contribution of cometary vs asteroidal dust in IDPs (Interplanetary Dust Particles), 2) chemical composition of the interstellar dust in the solar system, 3) the dust ejection mechanisms and geology of active asteroids. DESTINY+ is a piggy-back scientific mission of the engineering demonstration mission. Though the launch is delayed, there is a bonus chance to observe the near-earth asteroid (99942) Apophis by flyby on 13 Apr. 2029, before reaching to the target asteroid. Occultation observations of Apophis are appreciated for the improvement of the asteroid orbit.

After the lunch break (-UTC 04:10), seven research presentation were made (UTC 04:10 - 07:08)

Finally, all the presenters were requested to submit their presentation files, which are to be appeared on the IOTA/EA website (by Akitaya, website master).