

General description of the data archive for the IOTA/EA

Note: The following rules are as of the end of July, 2023, and are subject to change according to the situation afterwards.

1. Definition of the data archive for the IOTA/EA

- This archive is intended to keep the raw movie data of the organized campaign observations, especially of the target bodies of the spacecraft exploration programs. The archiving of the data of each observation done by small / regional groups is out of scope.
- The purpose of archiving is to keep the raw movie files and ancillary data for re-analysis when necessary, such as scientific publications.

2. Use of archived data

- Observers who upload their data should agree that the data are to be opened to the public.
- Anybody is allowed to use the archived data of the IOTA/EA, after the data-protection period which the principal investigator(s) would set.
- When archived data are used for scientific publications, the authors must acknowledge that they used the archived data of the IOTA/EA.

3. Data archive site

- We will use a cloud storage service named "pCloud" for a while.
- A folder is created for each observation campaign, in which a folder is generated when an observer uploads his/her observation data.
- After uploading, the person in charge for the archive or the administrator group who initially made the contraction with the pCloud might arrange the structure of the folders in the

campaign folder.

--The concrete address of the site and the data format will be notified by the leader of the campaign observation or the administrator of the archive.

4. General naming convention

--Details will be determined for each campaign observation.

--Following are general rules and examples. In what follows, parentheses “{ }” are separator, not characters appeared in the files.

A. the name of the folder of each observation campaign

The administrator creates them.

{yyyymmdd}_{asteroid number}_{asteroid name}

e.g. 20221021_3200_Phaethon

for the (3200) Phaethon observation conducted on Oct. 21st of the year 2022

B. the upload folder which each observer creates by oneself

We recommend {Firstname}{Lastname}, though basically it is arbitrary if the folder can be distinguishable from others.

e.g: HirotomoNoda

for a person whose first name is Hirotomo and the last name is Noda

C. movie file

Each observer adds strings before the original file name which is created by a capture software like “SharpCap”

{yyyymmdd}_{asteroid number}_{asteroid name}_{first observer}_{original file name}.avi

e.g.: 20221124_3200_Phaethon_HirotomoNoda_02_24_30.avi

for an observation movie file of an occultation by (3200) Phaethon, which is done by a person or the lead of the one instrument, who has Hirotomo as the first name and Noda as the last name. The original file name the “SharpCap” software named was 02_24_30.avi .

D. Other rules

--In case that several observers might have the same last name and family name:

i) the name of the upload folder for each person can be arranged by themselves

e.g.: 0003HirotoNoda, HirotoNoda0003, Hiroto0003Noda, etc.

ii) the number such as IOTA/EA ID can be added to the movie file

e.g.: 20221124_3200_Phaethon_0003HirotoNoda_02_24_30.avi

--In case the same body occulted different stars in one night

Add a number after the name of the occulting body. The ordering number will be proposed by the leader of the observation campaign.

e.g.

20221124_3200_Phaethon1_HirotoNoda_02_24_30.avi

20221124_3200_Phaethon2_HirotoNoda_03_47_10.avi

for cases when the first event started at 02h24m30s of Nov. 24th, 2022, and the second one started at 03h47m10s of the same day.

--The administrators might change the filename or folder properly for maintenance purpose.
