

Plan Overview

A Data Management Plan created using DMPTool

Title: Data Management Plan for NSF Track I IRES project

Creator: Antonino Cucchiara - **ORCID:** [0000-0001-6455-5660](https://orcid.org/0000-0001-6455-5660)

Affiliation: University of the Virgin Islands (uvi.edu)

Principal Investigator: Antonino Cucchiara

Data Manager: Antonino Cucchiara

Funder: National Science Foundation (nsf.gov)

Funding opportunity number: NSF 18-505

Template: NSF-EHR: Education and Human Resources

Last modified: 01-29-2018

Copyright information:

The above plan creator(s) have agreed that others may use as much of the text of this plan as they would like in their own plans, and customize it as necessary. You do not need to credit the creator(s) as the source of the language used, but using any of the plan's text does not imply that the creator(s) endorse, or have any relationship to, your project or proposal

Data Management Plan for NSF Track I IRES project

The IRES students will work on a large variety of topics. All of them will have a programming component so we expect to collect the python programs, documentation and results both at the University of the Virgin Islands as well as at the IRES site (Swinburne).

Here is a list of data collected:

- software codes
- power point presentations
- posters presentation
- oral recorded presentations
- astronomical data acquired at different facilities in processed form
- Plots and images of astronomical transients.

We expect to make the majority of the data public immediately (presentations, plots), but we will retain some propriety over some of the astronomical images acquired as part of the collaboration with Swinburne. Nevertheless the propriety period will not extend beyond 6 months, during which UVI students will present their results to the public and results made available for consultation on the Etelman observatory site.

The majority of the data acquired by the DWF collaboration will be stored at Swinburne supercomputers. Data are then shared among the collaboration partners, including UVI faculty and students, through password-protected web interface. Images are stored in .FITS format and images in .PDF formats. Python programs developed by UVI students as part of the collaboration will be public available via the "github" online platform (<https://github.com>).

Processed image, astronomical transients lightcurves and templates will be also public as part of the software development.

Finally, data will be disseminated broadly on a regular basis, either via the publication of entire "data releases" (annually) or through scientific publications in major international journals.

Data will be primarily stored at the IRES site in Australia. University of the Virgin Islands, though, retain full access of Virgin Island Robotic Telescope (VIRT) acquired images. This data will be stored in the Etelman observatory server.

A VIRT database will enable free access to all the data acquired by the telescope indefinitely. The Etelman director (co-I Morris) will be the point of contact for the data management and administration.

Question not answered.
