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## Plan Overview

*A Data Management Plan created using DMPTool*

**Title:** Data Management Plan

**Creator:** fred dru

**Affiliation:** Embry–Riddle Aeronautical University (erau.edu)

**Funder:** National Science Foundation (nsf.gov)

**Funding opportunity number:** PD 98-1610

**Template:** NSF-AGS: Atmospheric and Geospace Sciences

**Last modified:** 08-14-2017

### Copyright information:

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# Data Management Plan

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## Products of research

Describe the types of data and products that will be generated in the research, such as physical samples, space and/or time-dependent information on chemical and physical processes, images, spectra, final or intermediate numerical results, theoretical formalisms, computational strategies, software, and curriculum materials.

This project will produce a numerical code as well as numerical data in a tecplot format both ASCII and binary. The data are characterized as simulated. The data types referenced include data generated by computer using our own code.

This project will also produce pictures of wave profiles and topography generated in our wave laboratory. These pictures will be saved as .jpeg and .eps files.

The data are not of a sensitive nature.

## Data format

Describe the format in which the data or products are stored (e.g. hardcopy logs and/or instrument outputs, ASCII, XML files, HDF5, CDF, etc). What metadata will be part of the data sets produced?

The experimental pictures will be saved as .jpeg and .eps files.

The numerical data will be stored in the following formats: Tecplot point both ASCII and binary. The software Tecplot is available in the ERAU image. The types of metadata that will be included are our numerical code. The code is heavily commented and user documentation will be available for any potential user.

## Access to data, and data sharing practices and policies

Describe your plans for providing access to data, including websites maintained by your research group and contributions to public databases. If maintenance of a web site or database is the direct responsibility of your group, provide information about the period of time the web site or database is expected to be maintained. Also describe your practice or policies regarding the release of data—for example whether data are available before or after formal publication and the approximate duration of time that the data will be kept private. Describe your policies (where applicable) for protection of proprietary data, privacy and confidentiality, intellectual property, or other rights or requirements.

Data will be stored on the team's desktop as well as One Drive. There are no ethical or privacy issues for this project. There will not be any restrictions placed on the data. The data will be available right after publication of the results. The data will then be sent either via email or ftp depending on their volume.

## Policies and provisions for re-use, re-distribution and production of derivatives

Describe your policies regarding the use of data provided via general access or sharing. If you plan to provide data on a website, will the site contain disclaimers, or conditions regarding the use of the data in other publications or products? If the data or products are copyrighted, how will this be noted on the website?

Data will be made available after the publication of the research. Foreseeable users of the data are oceanographers, researchers in related fields and/or students studying in these fields. Data re-use and re-distribution will not be limited or licensed. Findings from the data will be published and available online. The data will be pure scientific research and available to all.

## Archiving of data

Describe whether and how data will be archived and how preservation of access will be handled. For example, will hardcopy logs, instrument outputs, and physical samples be stored in a location where there are safeguards against fire or water damage? Is there a plan to transfer digitized information to new storage media or devices as technological standards or practices change? Will there be an easily accessible index that documents where all archived data are stored and how they can be accessed? If the data will be archived by a third party, please refer to their preservation plans (if available).

Data will be permanently archived with Embry-Riddle One Drive, PI and team member's desktops. ERAU backs up data every night. Access to the data through this resource will be available for 5 years.