

Plan Overview

A Data Management Plan created using DMPTool

Title: Data Management Plan for the High Density Critical Pairs Concept Exploration System Project

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Data Management Plan for the High Density Critical Pairs Concept Exploration System Project

Types of data produced

Describe the types of data to be produced in the course of the project. For NASA's Earth Science Program and according to the NASA Earth Science Data & Information Policy, the term "data" includes observation data, metadata, products, information, algorithms, including scientific source code, documentation, models, images, and research results.

In this project, data will be created from analysis and refinement of the algorithm, from testing of the software, and from human-in-the-loop simulations.

Data and metadata standards

Standards to be used for data and metadata format and content

The data will be captured from running MATLAB and Excel analyses on the algorithm, from exercising the developed software, and from observation and data recording during the human-in-the-loop simulations.

Policies for access and sharing

Policies for accessing and sharing the data, including provisions for the appropriate protection of privacy, confidentiality, security, intellectual property, and other rights or requirements

The data will be made available through the Purdue University Research Repository, which requires a public login account. The data will be made available as soon as possible after it is generated. IRB permission will be obtained before collecting observational and performance data from the human-in-the-loop simulations, and de-identified data of that type will be made publicly available.

Policies for reuse, redistribution, and derivatives

Policies and provisions for reuse, redistribution, and the production of derivatives

The publicly available data can be available for re-use without restriction. It is expected that other researchers may find the data useful for their own studies.

Plans for access to data used in publications

Plans for providing access to the data used in any science publication

As much as possible, data used to generate figures or support conclusions in published papers will be included as supplementary information. Otherwise, the data will be made available through the Purdue University Research Repository or through a NASA archive as desired by NASA.

Plans for archiving and preservation

Plans for archiving and preserving the data, as appropriate (use of existing databases or public repositories will be strongly encouraged), including how long the data will be preserved and accessible

We will follow all IRB prescriptions for handling the archiving of human subjects data. For all other data we will maintain public access of the data either through the Purdue University Research Repository, a NASA archive, or another publicly accessible archive.
