
Thermal Effects of Bombardment in the Early Solar System (ThEBES)

A Data Management Plan created using DMPTool

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Template: National Aeronautics and Space Administration (NASA)

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Types of data produced

Our proposed work deals mostly with numerical investigations. The development of new code simulations will include appropriate documentation and user-notes. The PI (Mojzsis) is assigned responsibility for data archival tasks: He has scheduled monthly data backup with the Cols. The data output types of the simulations are mostly in the form of *.txt files or converted to *.xlsx files. These include appropriate documentation to process the data. Other data outputs will be in the form of *.mov files or *.tif files for animations and stills from our simulations. Usually, such data are preserved in the Supplementary Online Materials of journal servers associated with a specific publication. In general, however, *all* data and released source codes will be archived at the University of Colorado's Research Data Service.

Data and metadata standards

Metadata required to interpret the files generated from our simulations arise from computational codes (HEATING, HYDROTHERM) as described in the proposal text. Most of the output is reported in table form as *.txt files, or converted (for ease of use) to *.xlsx files.

Policies for access and sharing

Data will become available following the normal publication of a manuscript that describes the work. Such an embargo on release of data is the normal consequence of publisher's guidelines (e.g. Elsevier, AGU) for a manuscript. It is worth noting that once accepted, we will post pre-prints of our work on the ArXiv-ASTRO-PHY site. Further information and clarification of the data is naturally available to readers by emailing the corresponding authors.

Policies for reuse, redistribution, and derivatives

Data, once published with a manuscript, will be made public. The issue of "firewalls" from journal websites such as Elsevier and AGU will be overcome by posting copies of all data outputs (tables, still figures and movies) at the University of Colorado's Data Repository System. There will be no restriction to access of these data.

Plans for access to data used in publications

Data can be accessed by links to Supplementary Data Files on journal websites associated with a particular manuscript, as well as at the CUB data management service.

Plans for archiving and preservation

Third party facilities at journal websites, and the Data Management System's data repository at the University of Colorado will be used to effectively preserve and store the outputs generated by this work.