

Data Management Plan

All documents, design files and results from the project will be systematically managed and will be made publicly available under the GNU General Public License v3.0. This license permits public use and modification of items under common Open Source conditions. The work detailed for the project will produce a variety of results stored as computer files. Computer aided design (CAD) files will be stored and published as SolidWorks and STEP format files. 3D additive manufactured components will be stored and published as STL and GCODE files. Printed Circuit Board designs will be stored and published as files associated with the OpenSource KiCAD program. Raw circuit artwork suitable for production of PCBs will be stored and published as Gerber format files. Other computer aided design or manufacturing files will be provided in SolidWorks formats for part, assemblies and mechanical drafting sheets. Performance analysis results will be stored and published as PDF spreadsheet and narrative documents.

Permanent publication will be provided through the public GitHub repository with the URL: "<https://github.com/wiegleyj/nsfstorage.git>" This repository will be used to maintain and track revision changes during the development and implementation of the project. In addition to GitHub, final project products will be made redundantly available in the California State University Northridge ScholarWorks publication system.

Professional publication of the results in conference journals and proceedings will complete the methods of publication and dissemination of the results obtained from this proposal.