DATA MANAGEMENT PLAN

Letter of compliance with NSF Data Management policies:

All the data collected in association with the work outlined in this proposal will be made available to the broader scientific community, in accordance with NSF EAR data policies. To achieve maximum impact and benefit to the scientific community, the PI is committed to research transparency, clear data management, and open science practices as well as the establishment, maintenance, validation, description, and distribution of high-quality, long-term datasets. No privileged or confidential information will be collected during the proposed work. All the data collected in association with the work outlined in this proposal will be made available to the broader scientific community, in accordance with NSF data policies.

Unless otherwise noted, all data presented in this proposal is from the published literature (and cited appropriately).

The proposed work has one distinct area where data will be generated – experimental geochemistry. For geochemical work, the data will largely consist of isotope compositions of O2 from lab experiments. All physical samples will be available to the community after the publication of the original work. Supporting data from all aspects of this work will also be made available. There is currently no central online repository for experimental data, as exists for instance for molecular sequence data (Genbank). All data will be incorporated into appropriate databases as they are develop, and we are committed to not only ensuring that our raw data is available, but linked to appropriate meta-data to enable future database-driven research.

As the research agenda proposed moves forward, the commitment to appropriate data handling will be updated. As the co-Principle Investigator, I take responsibility for the above listed commitments and will fully comply with NSF guidelines. All results will be prepared quickly for publication to peer-reviewed journals, with authorship accurately reflecting the contribution of each worker.