

DATA MANAGEMENT PLAN

1. Types of data to be generated

The research will generate field measurement data for studying the multi-point Monin-Obukhov similarity in the convective surface layer. The data will be stored at NCAR and on computer hard drives at Clemson University and California State University at Chico. Data in terms of research results (statistics), represented primarily by figures, will also be generated.

2. Data and Metadata standards

Two formats will be used for the data generated in this research. Raw data in the native formats of the instruments and the processed data will both be stored on hard drives. Data in terms of research results will primarily be stored in the format of peer-reviewed journal articles.

3. Policies for access and sharing

The data generated will be shared with the atmospheric community. Data in the form of raw and processed signals will be shared upon requests to the PI. The PI will assist the use of the data to ensure that the data are used in a proper manner (e.g., with a good understanding of their limitations). Data in terms of research results will be shared through peer-reviewed journal publications, conference presentations/proceedings, and various forms of personal communication.

4. Policies for re-use and re-distribution

Data in terms of research results will be available for use by researchers in their research with attribution provided through citation to the PIs. Re-distribution of the raw and processed images is only granted by permission from the PIs.

5. Plans for archiving and preservation of access

Raw and processed data as well as Metadata will be archived on computer hard drives. At least two copies of the data files will be made at each location. Data on hard drives will be moved to new drives every five years to prevent loss of data due to drive failure. Data in terms of research results will be achieved in peer-reviewed journal articles, which, in principle, will be available indefinitely.