

# EXO-200 Data Management Plan

1. Per Collaboration Agreement among collaborating institutions, all scientific data generated by EXO-200 is shared among and accessible to all collaborators. Occasionally a small fraction of the data is "hidden" from most collaborators to allow blind analysis of the data to be performed.
2. Raw data is acquired at WIPP and shipped to SLAC by network connection (and during calibration campaigns, when large volumes of data are generated, by shipping hard drives). An elaborate database system has been put in place at SLAC to guarantee that no data is erased at WIPP until a valid copy is present at SLAC and backed up on tape. Various levels of reconstructed and simulated data are also stored at SLAC and at NERSC, where some of the computing intensive operations are performed. Individual users are also free to copy partial or specialized data sets on computers at their own institutions. No data has ever been lost during the lifetime of the experiment. The data volume from EXO-200 is relatively modest and there are no plans to erase any of the raw data in the foreseeable future.

Technical data from EXO-200 ("slow controls" data, documenting the detector operating parameters) are also logged every second and kept on a database that has synchronized copied at WIPP, SLAC and some other institutions. This data is accessible with a GUI from anywhere in the world.

3. Physics results are crosschecked extensively and most analysis tasks are performed by more than one person/team. Compatibly with this internal review and validation process, results are then published in a timely manner, as can be assessed from the publication record of the collaboration. Of course, like always in the scientific process, there is tension between thorough verification of results and speed of publication. Judgment is applied and the scientific community is the ultimate judge of how well we are doing. Supplementary information on graphs and other synthetic forms of presentation in our publications is made available, if practical and useful, in the form of appendices or url addresses. More common, as customary in the field, is to provide such information upon request. This is often the case for colleague interested in performing global fits to data from more than one experiment.
4. EXO-200 is a relatively small experiment and produces a modest amount of data. The management of such data, within the scope outlined above, is handled by the conventional/generic SLAC IT personnel. More extensive services, such as the publication of all raw data with appropriate software and documentation would require a substantial amount of new manpower and is not considered useful by the collaboration.
5. EXO-200 follows SLAC regulations in protecting the confidentiality of personal data.