I.   **TYPES of DATA**

Analysis and Modeling data: We will produce analysis of the modeling, satellite and in-situ data using MATLAB and standard fortran and C codes. The outcome of all analysis and the numerical model outputs will be stored in NetCDF and/or MATLAB format.

II. **POLICIES for ACCESSING and SHARING/ PROVISIONS for APPRORIATE PROTECTION**

A dods server, available in EAS at Georgia Tech will provide public access to our numerical simulations, and analysis once the manuscripts are accepted. The data will also be contributed to BCO-DMO. A project web site, similar to the one implemented for the GLOBEC project (http://www.o3d.org/npgo/), will allow direct downloading of model data, publications, images and videos. There are no ethical or privacy issues concerning this data set that affect open access to the general scientific public.

III. **POLICIES and PROVISION for RE-USE, RE-DISTRIBUTION**

Given the nature of the data, there are no privacy, legal, regulatory, or ethical issues associated with data dissemination. All data will be made publicly available 6 months after the completion of the project. Terms and conditions (e.g. authorship, acknowledgment, other compensation) of sharing will be negotiated by the PIs on a case by case basis.

Once our final, quality-checked data are uploaded to our own website, there will be no permission restrictions on re-use. Once analyzed, data will be reported in research articles and conference presentations. Articles will be accessible via public search engines. Annual project reports will be submitted to NSF as requested.

IV. **PLANS for ARCHIVING and PRESERVATION of ACCESS**

Data will be archived in BCO-DMO database. We will also archive for 5 years past the project lifetime all the numerical simulation data produced and used in publications at our institutional server. After the first 5 years only software configurations (to insure their reproducibility), video and figures will be maintained on the dods server for another 5 years. We plan to keep other data for 10 years past the project lifetime. Since the data occupy a relatively small amount of space relative to our computing capabilities, the long-term preservation will be easily accomplished by keeping several copies on local computers at Georgia Tech.