

Biological Oceanography Data Inventory and Management Plan,
NSF Proposal 1031743,

“Marine viral dynamics and incorporation into microbial association networks”
Jed Fuhrman, University of Southern California, 15 July 2010

The following data types will be collected and shared/archived as outlined below:

1) Hydrographic and other oceanographic data to be associated with this project will be collected as part of the monthly San Pedro Ocean Time-series (SPOT) operated by the USC Wrigley Institute, or on daily boats between the USC Wrigley Marine Science Center on Santa Catalina Island and the mainland (San Pedro). We intend to submit all oceanographic data associated with this project to NODC, with metadata be posted on our web site. These data include temperature, salinity, dissolved oxygen, chlorophyll, and nutrients for SPOT samples.

2) Microbiological field data, generally including direct counts of bacteria and viruses, plus thymidine and leucine estimates of bacterial secondary productivity, will be supplied to the BCO-DMO data management facility, with metadata posted on our website. When suitable, we will also include genetic fingerprinting data.

3) Gene sequence data (primarily from viruses and bacteria) will be deposited in NCBI databases (short read archives for pyrosequencing data).