

Data Management Plan

In accordance with [NSF policy on the dissemination and sharing of research results](#) (AAG Chapter VI.D.4), and the Division of Ocean Sciences Sample and Data Policy regarding submission of primary data, samples, physical collections, and other supporting materials, results from this project will be made widely available and usable. Details of the data management plan are included below. We will ensure uninterrupted access to the data generated through this award. We are interested in timely and long-lasting sharing of results and datasets.

Previous data from NSF awards has been shared in the following ways. The transcriptomic dataset that was acquired from grant 0647119 is available to the scientific community (Riesgo et al. 2014). Transcriptomic sequences were deposited in the NCBI Sequence Read Archive. The experiment accession numbers for the raw reads deposit is as follows: “normal” :SRX333053, “aposymbiotic” : SRX333054, and “reinfected” :SRX333055. The Bioproject accession number for the whole project is: PRJNA214560, and the Biosample accession number is: SAMN02304131. Data from award 0829763 were made available through the PorToL database (www.portol.org), and publications. All data were also made publically available via publications (e.g., Weisz et al. 2010; Hill et al. 2011, 2013; Rivera et al. 2011; Richardson et al. 2012; Friday et al. 2013; Thacker et al. 2013; Poppell et al. 2014; Riesgo et al. 2014).

The research associated with this RAPID proposal will generate 12 months of temperature and light data from two habitat types in the lower Florida Keys. Specifically, HOBO® Data Loggers will be placed on reefs to the east of Looe Key at 12-15 m depth, and in a shallow habitat (15 cm depth) in the flats just to the south of Mote Marine Laboratory. Duplicate loggers will be deployed to verify the measurements that are taken. Once collected, the data will be deposited in the National Oceanographic Data Center (NODC: www.nodc.noaa.gov). Given the time series nature of our data collections, and the fact that collections will be made at a single location (i.e., single time series climate and forecast feature type), we will use the Orthogonal Multidimensional Array Representation as recommended by the NODC.

All primary experimental data collected during the grant period will be shared through publications, and on a searchable website that we are developing. All manuscripts will also include a disclaimer in the Acknowledgement that any data will be made available upon request. We have no plans at this time for metadata analyses.