NASA GSFC Field Support Group (FSG) – Mannino/Werdell – Sept 7, 2017

(updated by DAS based upon discussions)

Goals:

Collect high-quality apparent and inherent optical properties on the EXPORTS survey vessel in support of NASA and the EXPORTS science team.

Tasks (constrained to the Survey Vessel):

1. Collect continuous underway above-water hyperspectral radiometry with autonomous HyperSAS.

* Provide processed data for final processing, QA/QC, and distribution by the SeaBASS team supporting EXPORTS.

1. Deploy C-OPS profiling spectroradiometer provided by Siegel/Nelson team at noon.

* Provide data files to Siegel/Nelson team for further processing and QA/QC.

1. Deploy FSG optics profiling package (to ~200 m max)

* Package to include the following instruments: CTD, ac-s, ac-9 (filtered <0.2 um), VSF-9, bb-9, and LISST-100X. We will bring a backup ac-s, ac-9, and bb-3.
* Process data to 1 m bins with complete QA/QC.

Total berths = 1 on the Survey Ship