

JCSDA Ocean Working Group

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WG has identified priorities for the JCSDA FFO and also for the NOAA JSDI

Highest priority items are the altimeter data and their assimilation in ocean models and wind wave data assimilation.

Currently, no funded collaborative projects between JCSDA partners

NOAA and NRL discussing collaboration on HYCOM-based assimilation system

JCSDA Oceans & Satellite Data

- Currently assimilating:
 - SST retrievals
 - sea-ice concentration
 - sea-surface height anomalies (from altimetry)
 - significant wave height (from altimetry).
- Preparing for sea-surface salinity (SMOS and Aquarius)

- Models:
 - HYCOM: NCEP and NRL
 - WW3: NCEP and NRL
 - MOM4: NCEP GODAS (climate) and GMAO

- Assimilation Methods:
 - NRL: NCODA MVOI is operational at FNMOC and NAVO, and runs in R&D with HYCOM
 - NCEP: univariate 3Dvar with MOM4; OI, 2Dvar with HYCOM
 - GMAO: MvOI and EnKF with MOM4