

AGENDA

MODELING PRODUCTS WORKING GROUP

1. Identify SEACOOS website representative
 - Approx. 15hrs/month until spring conference
2. Interfacing with external groups
3. Status of merged/blended model products – what is different between the models and how much commonality should we achieve?
 - a. Review and documentation of input and forcing data
 - b. Differences among internal model parameters
 - c. Use of EDAS versus ETAI2
 - d. Imposition of atmospheric pressure forcing
 - e. Quantitative differences – what metrics should be defined?
 - f. Solutions displayed on the web – are they valuable?, what should be changed?
 - g. Outline of a Blanton et al. manuscript on blended model results (possible targets: Bulletin of the AMS, J. Tech., Oceanography)
4. Forecast products
 - a. Timing, naming conventions and file contents
 - b. Archival attributes (what resolution should be archived – tradeoff between file storage requirements and loss of potentially irretrievable information due to aliasing)
5. Hindcast studies: response of SEA-COOS domain to the March 2001 storms
 - a. Review of status of the model runs
 - b. Common displays, measures of propagation, characterization of extrema, etc.
 - c. Outline of a Weisberg et al. manuscript (possible targets: JGR, J. Tech)
 - d. Summer 2003 strong coastal upwelling event (consideration of mechanisms and simulations)
6. Documentation of "routine" operations (model portability/transfer)
7. Year 2 objectives
 - a. Data assimilation
 - i. development of climatology for entire SEA-COOS region (or alternatives)
 - ii. barotropic and baroclinic skill (validation and verification)
 - iii. incorporation of surface current (CODAR/WERA data streams)
 - iv. baroclinic NFSs

- b. Open Boundary Condition assessments (HYCOM/NCOM/other)
 - c. Production of ocean weather charts
 - d. OSSEs – for example to determine critical observing systems, design of field programs, etc.
 - e. Design of SECODAE
 - f. Relation to applications: fisheries, MPAs, geochem, biology, other.
 - g. Necessary new capabilities, e.g., wave modeling (a la WAM, WAVEWATCH III, etc.), others.
8. Review of Modeling Strategies in the Strategic Plan