Near Real-time Product Validation and Applications

H. BONEKAMP (EUMETSAT), J. LILLIBRIDGE (NOAA), G. JACOBS (NRL)

Splinter Session Summary

9:00 Real-time use of altimeter data in the Mercator océan forecasting and reanalysis systems
E. DOMBROWSKY (Mercator Océan)

9:13 Improved real-time DORIS/DIODE orbits for JASON-2 OGDR
C. JAYLES (CNES)

9:26 High Accuracy, Short Latency Sea Surface Height From the Combined Jason-1 and Jason-2 Missions
S. DESAI (JPL)

9:40 Calibration and validation of wave models using Hs, sigma0 and iceberg data from altimeters
P. QUEFFEULOU (IFREMER LOS)

9:53 Expanding the use of NRT altimeter data at NOAA/NCEP
D. VANDEMARK (Univ. of New Hampshire)

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Posters – Splinter Session II.2

SII.2-23 **The 2010 Chile Tsunami observed from altimeters**
SONG Y. Tony (Jet Propulsion Laboratory)

SII.2-24 **Assessment of an operational wave prediction system in extreme conditions**
LEFEVRE Jean-Michel (Meteo-France)

SII.2-25 **Altimeter microwave surface observations in extreme events**
QUILFEN Yves (Space Oceanography Laboratory – IFREMER)

SII.2-26 **Near-real time monitoring of global lakes and reservoirs**
BIRKETT Charon (University of Maryland)

SII.2-27 **SSALTO/DUACS: moving forward with near real time**
DIBARBOURE Gerald (CLS)

SII.2-28 **Radar altimetry over the gulf of mexico oil spill**
SMITH Walter H.F. (NOAA)

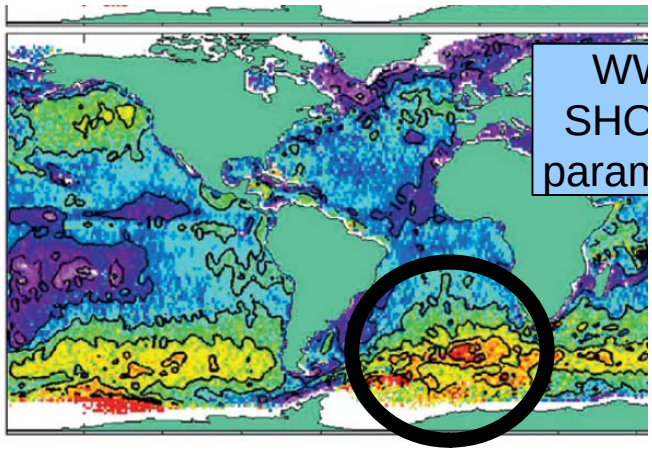
SII.2-29 **Assessment of real time products in Oscar surface currents**
DOHAN Kathleen (Earth and Space Research)

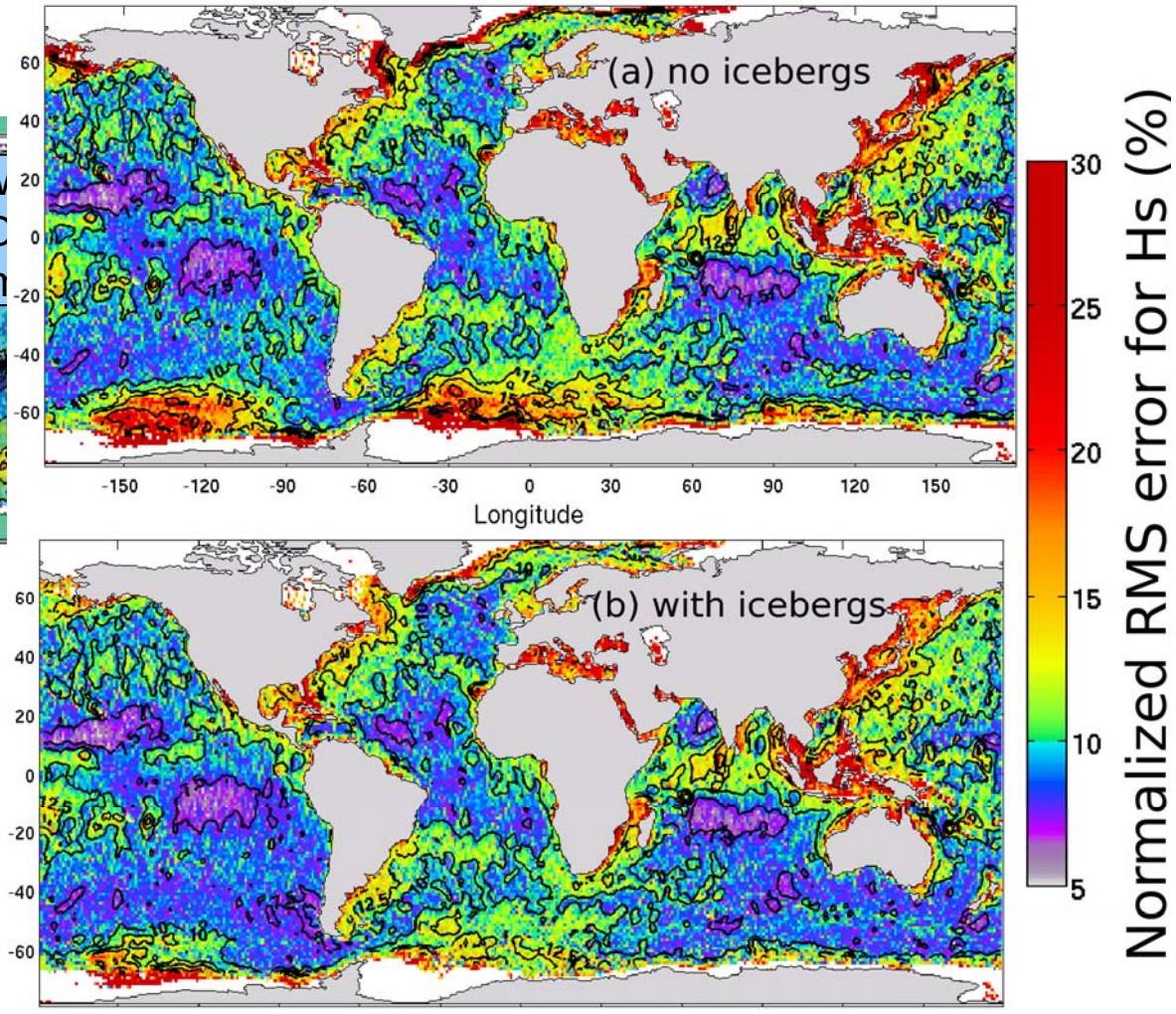
SII.2-30 **Near real-time global Jason-1 and OSTM sea surface height anomaly maps hosted by a web map service LEBEN Robert (CCAR/University of Colorado)**

SII.2-31 **Real-time modeling, data assimilation and forecasting off the California coast**
CHAO Yi (Jet Propulsion Laboratory)

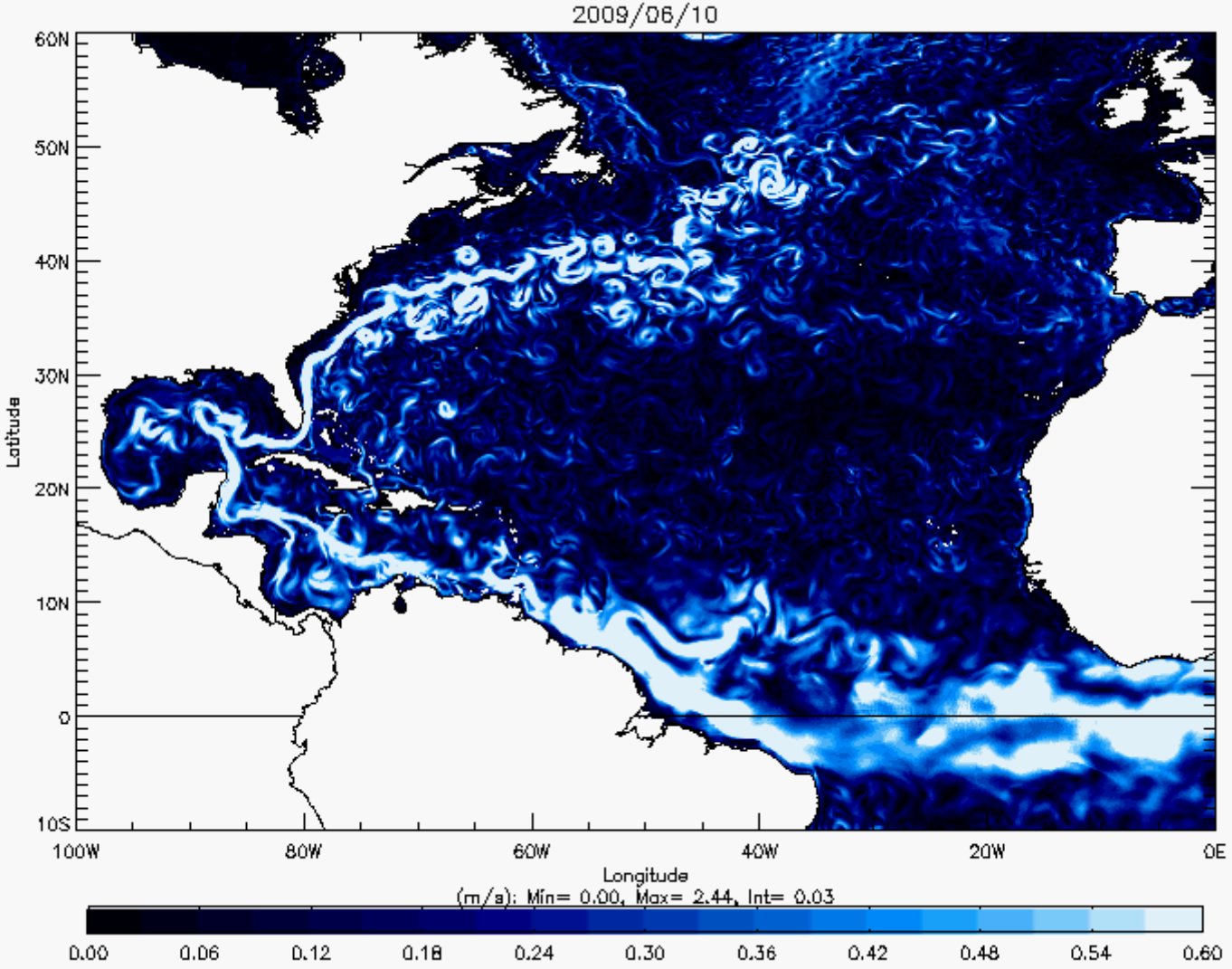
SII.2-?? **Advanced parameterizations of observation and forecast error statistics for the assimilation of satellite altimetry P. BRASSEUR (CNRS)**

NRT Splinter Highlights – Waves & Icebergs





NRT Splinter Highlights - Mercator



Horizontal resolution 1/12° (6 to 9 km) – 50 layers
Altimeter data, SST and *in situ* T/S assimilated

NRT Splinter Session Feedback

- Recommendation for Jason-3, Jason-CS & on:
  - NRT orbit spec. should be < 5 cm RMS radial error
- Operational oceanography forecasting skill requires 3-4 **high quality** altimetry datasets
- Continue to develop/enhance NRT-GPS orbits
  - Current orbits approaching 2 cm RMS radial error