Near Real-Time Product Validation and Applications
[Including (but not limited to) operational oceanography and wind/wave applications]

Chairs: H. Bonekamp, J. Lillibridge, G. Jacobs

This session will cover topics related to the production, validation, and applications of the Jason-2 OGDR and Jason-1 OSDR products. The status of the products and their calibration and validation will be presented. The NRT products differ in accuracy from the offline IGDR and GDR data sets. This session will assess the sources of these differences, e.g. in terms of orbit determination and applied sea surface height corrections. Operational applications of the data for monitoring and model assimilation will also be highlighted.

Participants are invited to present and discuss opportunities for improvements of the NRT products, for example an enhanced use of the GPS system for improved NRT orbits. In terms of applications, the session will cover exploitations of the SWH and wind information in wave models and marine meteorology, the use of OGDR's in multi-mission (NRT) SSH products, and assimilation of the NRT products in global ocean and coastal models.
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Type</th>
<th>Presenters</th>
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<tbody>
<tr>
<td>8:30</td>
<td>Jason-2 OGDR accuracy and precision validation for ocean forecasting</td>
<td>Oral</td>
<td>Gregg Jacobs (Naval Research Laboratory)&lt;br&gt;John Lillibrige (National Oceanographic and Atmospheric Administration)&lt;br&gt;Vincent Tabor (National Oceanographic and Atmospheric Administration)&lt;br&gt;Doug May (Naval Oceanographic Office)&lt;br&gt;Lamar Russell (Naval Oceanographic Office)</td>
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<td>8:45</td>
<td>Good, better, best: A comparison of Jason-2 O/I/GDR products</td>
<td>Oral</td>
<td>John Lillibrige and Eric Leulette&lt;br&gt;NOAA / Laboratory for Satellite Altimetry, Silver Spring, MD, USA</td>
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<td>9:00</td>
<td>Quality of the DORIS/DIODE orbits for Jason-2, Jason-1, Envisat ...</td>
<td>Oral</td>
<td>Jean-Pierre CHAUVEAU (COFRAM-AKKA)&lt;br&gt;Marion CHAILLOU (COFRAM-AKKA)</td>
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<td>9:15</td>
<td>An introduction to the GPS-OGDR-SSH product for OSTM/Jason-2</td>
<td>Oral</td>
<td>Willy Berti, ger, Bruce, J. Haines, Nate Harvey, Christopher Lane, Jan P. Weiss</td>
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<td>9:30</td>
<td>Jason-2 ogdr wind and wave products: monitoring, validation and assimilation</td>
<td>Oral</td>
<td>Peter A.E.M. Janssen (ECMWF)&lt;br&gt;Jean-Raymond Bidlot (ECMWF)</td>
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<td>9:45</td>
<td>NRT SWH applications at NCEP</td>
<td>Oral</td>
<td>Arun Chawla, NCEP/EMC&lt;br&gt;Joseph Sienkiewicz, NCEP/OPC&lt;br&gt;Hendrik Tolman, NCEP/EMC</td>
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<td>10:00</td>
<td>Using short scale content of OGDR data to improve DUACS' near real-time products</td>
<td>Oral</td>
<td>M-I Pujol[1], A. Pascual[2], E. Bronner[3]&lt;br&gt;1: CES, Space Oceanography Division, Toulouse, France&lt;br&gt;2: Institut Mediterrane d'Estudis Avancats/Universidad de las Islas Baleares&lt;br&gt;3: CNES, Toulouse, France</td>
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<td>10:15</td>
<td>Assessment of near real-time OSCAR surface currents</td>
<td>Oral</td>
<td>John T. Gunn, Earth and Space Research, Seattle WA&lt;br&gt;Gary S.E. Lagerloef, Earth and Space Research, Seattle WA&lt;br&gt;Gary T. Mitchum, Department of Marine Science, University of South Florida</td>
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<td>10:15</td>
<td>Web-based altimeter service</td>
<td>Poster</td>
<td>Philip S. Callahan, Brian Wilson, Zhangfan Xing, Rob Raskin, Kenneth Oslund&lt;br&gt;Jet Propulsion Laboratory, California Institute of Technology</td>
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<td>Improving operational wave modeling from altimetry</td>
<td>Poster</td>
<td>Jean-Michel Lefevre, Meteo-France&lt;br&gt;Lofti Aouf, Meteo-France&lt;br&gt;Pierre Queffeleucou, Ifremer&lt;br&gt;Abderrahim Bentamy, Ifremer&lt;br&gt;Yves Quilfen, Ifremer</td>
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<td>NOAA's Jason-2/OSTM products</td>
<td>Poster</td>
<td>David R. Donahue, NOAA/NESSDIS/OSDPD, 5200 Auth Road, Camp Springs&lt;br&gt;John L. Lillibrige, NOAA/NESSDIS/STAR, 1335 East West Hwy, Silver Spring&lt;br&gt;Jeremy Throwe, NOAA/NESSDIS/OSD, 4231 Suitland Road, Suitland&lt;br&gt;Yongsheng Zhang, NOAA/NESSDIS/NODC, 1315 East West Hwy&lt;br&gt;Kenneth S. Casey, NOAA/NESSDIS/NODC, 1315 East West Hwy</td>
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