Products and Science

The SSSP co-chairs have solicited contributions from members on their work in the science and product categories below:

- Soundings
- Winds
- Clouds
- Precipitation
- Surface
- Trace Gases
- Radiance Products
- Level 3 Users

Welcome. See our "How to Contribute" page.
ISSUES

1. Review global HRPT directory (L. Lavanant)
   • X-band receiving station registration (Kathleen S, John Overton…)
   • Latin America coordination …

2. Software for local HRPT ingest/process ATOVS (N15,16,18), MetOp, NPP, NPOESS data
   • level 1 for MetOp and NPP (AAPP)
   • Level 2 for MetOp, AIRS… (IMAPP)
   • IPOPP (John Overton) … also data atlas (Eva B)

3. Global data from/for local HRPT
   • RARS (HRPT site list, southern hemisphere coverage; J. LaFeuille, David G)
   • EARS (i.e., from Nigel A)
   • Level-1 from global centers for checkout (Uspensky, Sharma …)

4. Sensor metadata (e.g. calibration, health, antenna patterns etc)
   • Instrument co-registration visualization (T Kleespies) (New)
   • Local versus global sensor calibration consistency
   • SNO (see Cal/Val) area

5. Multiple Satellite Level 2 Validation (A. Reale)
   • Candidate satellites/algorithms for comparison
   • Compile/access Co-location datasets
   • Analysis; short-term, long term (see Cal/val)
Updated table:

<table>
<thead>
<tr>
<th>Station Name</th>
<th>Country</th>
<th>Operated by</th>
<th>Location (lat, long)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lannion</td>
<td>France</td>
<td>CMS</td>
<td>48.75°N, 3.47°W</td>
</tr>
<tr>
<td>Maspalomas (Canaries)</td>
<td>Spain</td>
<td>INTA/NSA</td>
<td>27.78°N, 15.63°W</td>
</tr>
<tr>
<td>Kangerlussuaq</td>
<td>Greenland</td>
<td>DMI</td>
<td>66.98°N, 50.67°W</td>
</tr>
<tr>
<td>Svalbard (Arctic)</td>
<td>Norway</td>
<td>KSAT</td>
<td>78.13°N, 15.23°E</td>
</tr>
<tr>
<td>Athens</td>
<td>Greece</td>
<td>HNMS</td>
<td>38.0°N, 23.44°E</td>
</tr>
<tr>
<td>Edmonton</td>
<td>Canada</td>
<td>MSC</td>
<td>53.50°N, 113.50°W</td>
</tr>
<tr>
<td>Gander (Newfoundland)</td>
<td>Canada</td>
<td>MSC</td>
<td>48.95°N, 54.55°W</td>
</tr>
<tr>
<td>Gilmore Creek (Alaska)</td>
<td>USA</td>
<td>NOAA</td>
<td>64.97°N, 147.40°W</td>
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<tr>
<td>Wallops Island (W Virginia)</td>
<td>USA</td>
<td>NOAA</td>
<td>37.85°N, 75.47°W</td>
</tr>
<tr>
<td>Monterey (California)</td>
<td>USA</td>
<td>NOAA</td>
<td>36.60°N, 121.89°W</td>
</tr>
</tbody>
</table>

Section on Access to EARS:
To access EARS, users need to establish a EUMETCast receiving station. For a detailed description of EUMETCast and information on receiving station requirements please consult the [EUMETSAT EUMETCast page](http://example.com).
NOAA Product Integrated Validation System (NPROVS)

streamlining the processing of data, calibration, and validation from satellites and ground stations.

Environmental Data Graphic and Evaluation System (EDGE)

- Collocated multiple platforms of ground truth vs satellite observations.
- Displays radiosonde and satellite profiles.
- Displays a geographic distribution of collocations.
- Displays statistics that show the vertical accuracy between a radiosonde and one or more satellite soundings.

Critical in development of MetOp and NPOESS
6. Access to NOAA and EUMETSAT ATOVS and IASI Level-2 data products (A. Reale)
   • opportunities for validation (also JAIVEx for MetOp IASI…),
   • Identify level 2 users …
   • Access of Level-1 data, (T. Achtor, Dieter)

7. Current/Future Satellite Weather Programs
   • Brazil (needed), Canada, China … Session 11 speakers, Karen G

8. Expanded Instrument Status (NOAA, MetOp, DMSP, EOS, SAF)
   • Expand to China, Japan, India …

9. (New) Frequency Protection Topic area (R. Kelley…)

10. (New) data Visualization tools/access topic area
    • For example, McIdasX; V (Achtor)
    • Forward Model Visualization (i.e., P. Brunel for RTTOV)

11. Review web page structure / content
    [http://cimss.ssec.wisc.edu/itwg/sssp/index.html](http://cimss.ssec.wisc.edu/itwg/sssp/index.html)
    • WG member responsibility for selected areas/sub-areas
NOAA / EUMETSAT MetOp Products Exchange
(Eamonn McKernan, Tony Reale)