HS3 Data Catalog
Amber Emory, Dan Chirica, and Jim Doyle
Roadmap

- What we planned

- What we did
  - Model Products: Examples from GMAO, NRL COAMPS TC, and SHIPS
  - Operational Products: Examples from NRL Tropics and CIMSS Brightness Temperatures and TOTs
  - Research (Instrument) Products

- What needs to improve for this year
What we planned...

- Many items on PREDICT page are already provided on the ESPO HS3 website or through Mission Tools.
- Provide archived images of Operational, Model, and Research (Instrument) Products from the ESPO HS3 website.
- Ftp site housed at NASA GSFC (Emory) and front-end website administered from NASA Ames (Chirica).
What we did...

- Operational Products
- Model Products
- Research Products
Model Products

- ECMWF
- GMAO
- Global Ensemble
- NCEP EMC Track
- NCEP GFS
- NHC Composite Tracks
- NRL COAMPS TC
- NRL NOGAPS
- Pouch Products
- SHIPS
Model Products Example: GMAO Dust AOT

GMAO provided GEOS-5 forecasts of Dust AOT out to 120 hours initialized 4X/day (00, 06, 12, 18 UTC) from Aug. 27 - Oct. 20, 2012.
Model Products Example: NRL COAMPS TC
Model Products Example:

SHIPS

SHIPS provided Intensity Forecast for the Eastern Pacific as well as the Atlantic.
Operational Products

- Link to NASA Airborne Science Data Page
- Links to Radars in Caribbean
- Link to NASA Airborne Science Data Page
Operational Products Example:

NRL Tropics

Organized by invest, disturbance, or tropical storm/hurricane name
Operational Products Example: CIMSS Tropical Overshooting Tops
Operational Products Example: CIMSS Brightness Temperatures
Research Products

Links provided to individual instrument pages:
- Gave PI’s more control over how to distribute Quicklooks and data
- Also provided solution for limited storage for ftp site hosted at GSFC
### HS 2012 Global Hawk Dropsonde Data

**Summary**

This data contains Global Hawk dropsonde data from two experimental flights of the experimental NASA G-IV Global Hawk (HS) aircraft conducted between September 7 and 20, 2012 for the Hurricane and Severe Storm Sentinel (HSS) project. The HS is equipped with an HAMSR/HAMS array system specifically designed for ocean transport. A total of 130 quality-controlled soundings were collected in the first HS cruise and related data set.

**Data access**

DERI data is available by FTP.

**Additional information**

**Related projects:** HAMSR

**Observational Phase:** Other

**Categories:** HAMSR

**Platforms:** NASA G-IV Mike Grant’s Data Products

**Citation:** Asian J. Meteorol. 2012; 7:10-14.98

**Temporary coverage**

Minimum latitude: 13.001000, Maximum longitude: 13.000000

Measurement articles: HAMSR, Maximum radius: 128.000000

**Field of contact**

NASA G-IV Program Office: t. 202-610-0000

**CPL Data**

CPL Data

**HAMSR Data**

HAMSR Data

**S-HIS Data**

S-HIS Data

---

**CPL HSJ Flight Data**

<table>
<thead>
<tr>
<th>Date</th>
<th>Time (UTC)</th>
<th>Data Segment</th>
</tr>
</thead>
<tbody>
<tr>
<td>September 6, 2012</td>
<td>06:02:00</td>
<td>1st data segment</td>
</tr>
<tr>
<td>September 6, 2012</td>
<td>06:08:00</td>
<td>2nd data segment</td>
</tr>
<tr>
<td>September 7, 2012</td>
<td>10:24:00</td>
<td>3rd data segment</td>
</tr>
<tr>
<td>September 8, 2012</td>
<td>08:00:00</td>
<td>4th data segment</td>
</tr>
</tbody>
</table>

---

**SSEC Downloads**

For Hurricane and Severe Storm downloads, visit SSEC. Use your registered usernames and passwords. To view Hurricane and Severe Storm files, enter your credentials.
What needs to happen to improve this year...

- Better communication with forecast team to provide/archive products that are used on a daily basis
- Archive of ground-based radar products
- Add in HIRAD and HIWRAP links when ready
- Add in NOAA products:
  - NHC Aircraft Reconnaissance Plan of the Day (link)
  - NOAA HRD Updates
  - AOML SST analysis, TC Heat Potential
  - OPC Surface Analysis
What needs to happen to improve this year...

“Many hands make light work.” - John Heywood

If you have products to share, let us know. The process to get products to us is very easy:

1.) Open a terminal window: ftp meso.gsfc.nasa.gov
2.) Enter “hs3” when prompted for name.
3.) Enter password when prompted.

At the 2012 meeting, there was lots of demand for a PREDICT-like page for HS3. We have the architecture in place, but need contributions from the team!
Questions???
Comments???
Suggestions???