Field Catalog Support for HAIC-HIWC - Cayenne

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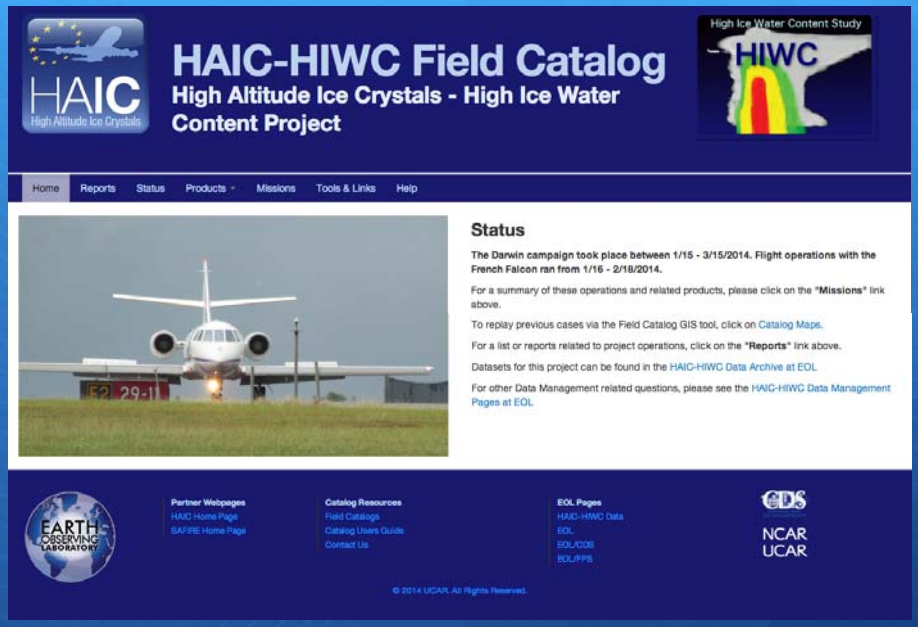
NCAR Earth Observing Laboratory
Boulder, CO

For the:
HAIC-HIWC Science Team Meeting
March 9-12
New York City

Field Catalog: Purpose



79 campaigns supported in 19 years
- all still available on-line.

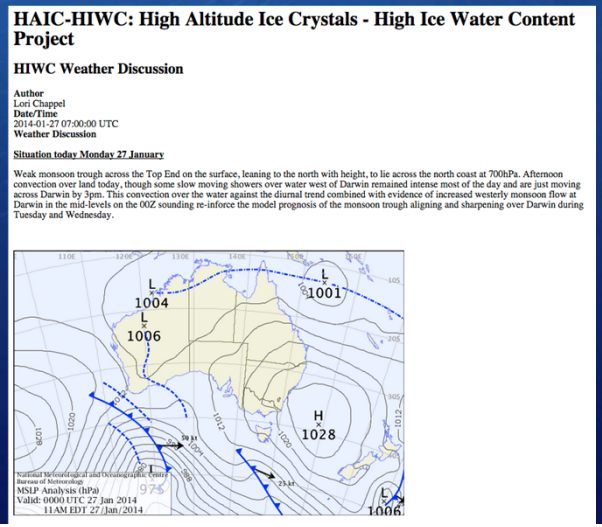
The field catalog is a service NCAR/EOL provides using web-based collaborative tools whose mission is:

- Project Documentation
- Collect supporting products for context
- Post mission, campaign review
- Mission Planning
- Real-time communications
- Situational Awareness
- Real-time decision-making
- Safe site for sharing of restricted data/ products

http://catalog.eol.ucar.edu/haic-hiwc

Field Catalog Contents: Reports

- Daily Weather Discussion (Forecasters)
- Ops Plan of the Day (Operations Director)
- Flight Notes (Flight Scientist) + Convair 580 + Honeywell
- Operations Summaries (Mission Coordination Team)
- Debrief Notes (SAFIRE) + Convair 580 + Honeywell
- SAFIRE Operations Summaries (SAFIRE) +C 580 + Honeywell
- Daily Instrument Status reports (Aircraft Coordinator) + C580 +H
- ALPHA Assessment (RAL)



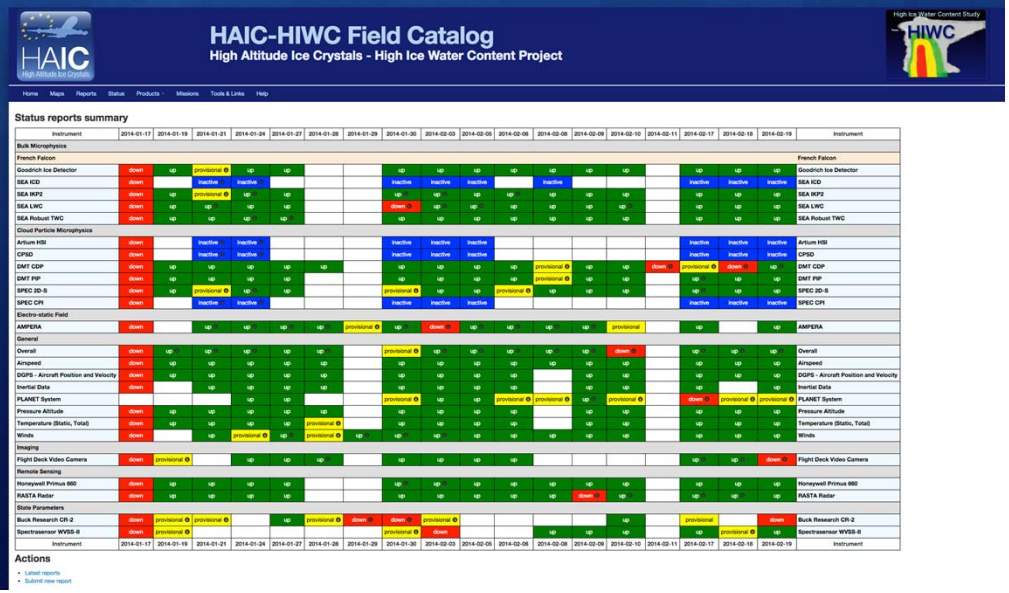
HAIC-HIWC: High Altitude Ice Crystals - High Ice Water Content Project

HIWC Weather Discussion

Author
Lori Chappel
Date/Time
2014-01-27 07:00:00 UTC
Weather Discussion

Situation today Monday 27 January

Weak monsoon trough across the Top End on the surface, leaning to the north with height, to lie across the north coast at 700hPa. Afternoon convection over land today, though some slow moving showers over water west of Darwin remained intense most of the day and are just moving across Darwin by 3pm. This convection over the water against the diurnal trend combined with evidence of increased westerly monsoon flow at Darwin in the mid-levels on the 00Z sounding re-inforce the model prognosis of the monsoon trough aligning and sharpening over Darwin during Tuesday and Wednesday.



HAIC-HIWC Field Catalog
High Altitude Ice Crystals - High Ice Water Content Project

Status reports summary

Actions

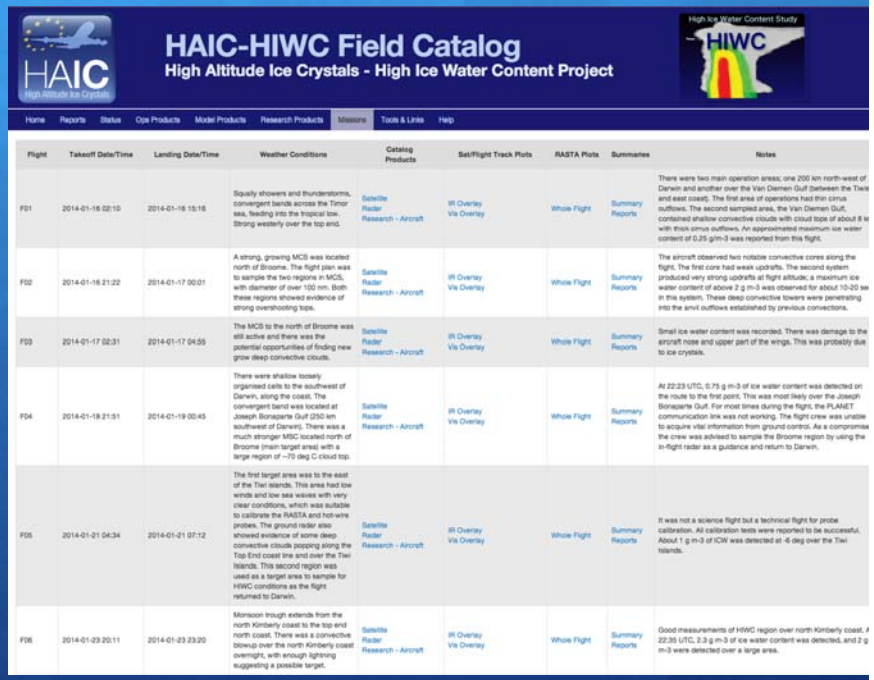
Field Catalog Contents: Catalog Maps[1]

- GOES-13 Channel 1-6 imagery
- GOES-13 NASA Langley products
- Falcon-20 flight track
- COSMIC Soundings
- Vaisala GLD 360 Lightning Strike locations (possible if needed)
- ALPHA graphics
- Convair 580 flight track (if provided)
- Honeywell 757 flight track (if provided)
- CNES Radar (if provided)
- Lightning strikes – STARNET (if provided)

[1] GIS Tool for situational awareness and mission replay

Field Catalog Contents: Products

- Mission Summary Table
- WRF Forecast Products
- NCEP GFS Forecast Products
- ALPHA Diagnostic Products
- Falcon-20 Instrument Products
  - 2DS
  - CDP
  - PIP
  - RASTA
  - TWC, IWC, IKP
  - Flight Tracks
- Convair 580 Instrument Products?
- Honeywell 757 Instrument Products?



Field Catalog: Questions

- Is on-site bandwidth in Cayenne sufficient to support remote access to the field catalog in Boulder for participants?

- What products are the other aircraft teams able/willing to provide to the Field Catalog?

- What other products might be needed in the Field Catalog for on-site support or for project documentation?

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