WINTER Field Catalog Introduction

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catalog.eol.ucar.edu/winter
(soon, but not yet)

The NCAR/EOL Field Catalog

The field catalog is a web-based collaborative service whose mission is to provide facilities for:

- Project Documentation
- Collect supporting prods for context
- Post mission, campaign review
- Mission Planning
- Real-time communications
- Situational Awareness
- Real-time decision-making
- In-field data sharing

79 campaigns supported in 19 years

The NCAR/EOL Field Catalog

The field catalog is a web-based collaborative service . . .

Features:

Operations Log

Enter new report

You must enter a password before adding a link or image in a text box.

Password*

Author*

Event Start Date/Time(UTC)* YYYY-MM-DD HH:MM UTC
(Form loaded at 2014-10-09 19:42 UTC)

Event End Date/Time(UTC)* YYYY-MM-DD HH:MM UTC
(Form loaded at 2014-10-09 19:42 UTC)

Event Description*

You must enter a password above before adding a link or image in this text box.

The editor below allows WYSIWYG and Source-HTML editing with file uploads for both inline images and links to attachments. See the Users Guide for editing help. We suggest you restrict your HTML and styling to be clean and simple. To include images, use the Image or Link button and then the Upload tab. Finally, for security and styling reasons, some advanced HTML and larger headings may be removed or modified.

Source

Styles Format Size

body p

Clear editor

Cancel Submit

For documentation:
Interactive web forms

Ops Plan of the Day
Weather Discussion
Mission Scientist Summary
IOP Proposal
NSF NCAR C-130
Mission Summary
Chemical Forecast
Staffing Schedule

Ops Plan of the Day
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For documentation:
Operations Reports

Mission Scientist Report, RICO, King Air Flight January 21st, 2005 UW King Air Flight Scientist: Stevens

Figure 1: Images showing cloud field during flight.

General cloud characteristics: The cloud field was rather suppressed with patches of humulus and patches of clear, with tops rarely developing above 4000'. During the day a magnificent tail developed west of Barbuda. This tail had a tremendous radar projection, but faded by the time we worked it, only to redevelop somewhat after we left. Drop concentrations were generally light, near 50 or 75 cm^{-3}.

General Comments: The King Air was the only aircraft in the area as the BAE flew well to the north on this day in search of deeper clouds. The intial plan was to fly along and cross wind segments near the ship for estimating momentum fluxes by fields of shallow cumulus, following a line suggested by Peggy LeMone. Winds proved rather light, as did the shear and cloud field. Indeed echoes were so little in evidence we often turned off the radar, and did not fly legs over the top of the cloud field for ...ual Doppler was desired. Later in the flight we flew a tail pattern which sampled a ...ail west of Barbuda, and the period before its subsequent redevelopment.

...f Flight Pattern: The momentum patterns were to consist of stacks of four to five legs, ...cross the shear. We attempted to coordinate these with the ships heading, and after some ...tment settled on a direction. The patterns generally included two levels in the subcloud ...r more in the subcloud layer, and one above the cloud. The latter were cut short for lack of echoes. The cloud legs were not flow straight and level, but rather adjusted slightly, trying to maintain an average heading that followed the subcloud legs, to increase the time in cloud for cloud statistics. The tail pattern consisted of: (1) two subcloud legs starting well north and ending well south of Barbuda, and flown approximately 10km downwind of Barbuda, upwind of the region of significant tail development; (2) along tail cloud and subcloud legs for measuring clouds and precipitation; (3) a repeat of one of the subcloud legs.

Flight Notes:

CONTRAST Field Catalog

CONvective TRansport of Active Species in the Tropics

Home | Reports | Status | Ops Products | Model Products | Research Products | Missions | Tools & Links | Data Access | Help

Status reports summary

Instrument	2013-12-17	2014-01-11	2014-01-14	2014-01-17	2014-01-19	2014-01-22	2014-01-25	2014-01-29	2014-02-01	2014-02-05	2014-02-08	2014-02-14	2014-02-17	2014-02-21	2014-02-25	Instrument
Aircraft and state parameters																
Aircraft, NSF/NCAR GV HIAPER																Aircraft, NSF/NCAR GV HIAPER
Overall	down	up	up	up	up	up	up	up	up	up	up	up	up	up	up	Overall
ADS - Airborne Data System	down	up	up	up	up	up	up	up	up	up	up	up	up	up	up	ADS - Airborne Data System
Digital cameras	down	up	up	up	up	up	up	up	up	up	up	up	up	up	up	Digital cameras
Mission Coordinator System	down	up	up	up	up	up	up	up	up	up	up	up	up	up	up	Mission Coordinator System
Radome gust probe	down	up	up	up	up	up	up	up	up	up	up	up	up	up	up	Radome gust probe
Chemistry																
AMAX-DOAS	down	up	up	up	up	up	up	up	down	up	provisional	up	down	up	up	AMAX-DOAS
AWAS - Advanced Whole Air Sampler	down	provisional	up	provisional	provisional	up	up	up	up	up	up	up	up	up	up	AWAS - Advanced Whole Air Sampler
Bromine	down	up	up	up	provisional	up	up	up	up	up	up	up	up	up	provisional	Bromine
CO - Aerolaser	down	down	up	down	provisional	up	up	up	up	up	up	up	up	up	up	CO - Aerolaser
CO2 - Picarro	down	down	provisional	down	provisional	provisional	down	up	up	up	up	up	up	up	up	CO2 - Picarro
Fast O3	down	up	up	up	up	up	up	up	up	up	up	up	up	up	up	Fast O3
Formaldehyde	down	provisional	down	provisional	up	provisional	up	up	up	up	down	up	up	up	up	Formaldehyde
GT-CIMS	down	up	up	up	up	up	up	up	down	up	up	up	up	up	up	GT-CIMS
NO-NO2	down	up	up	up	up	up	up	up	up	up	up	up	up	up	up	NO-NO2
TOGA - Trace Organic Gas Analyzer	down	up	up	up	up	up	up	up	up	up	up	up	up	up	up	TOGA - Trace Organic Gas Analyzer

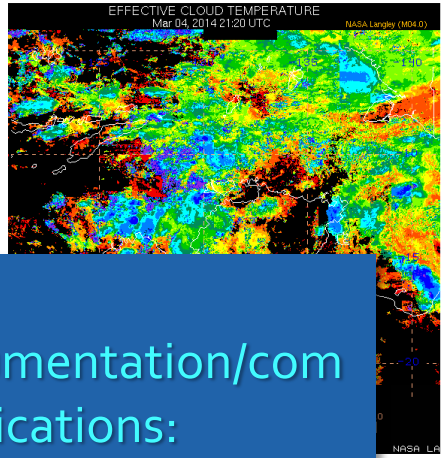
For documentation:
Instrument Status

NSF NCAR C-130
AWAS
TOGA
ToF-AMS
FSSP
HARP
UCB TD-LIF
UW HR-To-F-CIMS
Cavity ring-down
ACES
UV Fluorescence
UHSAS
WAS
PiLS
NCAR CARI

HAIC-HIWC Field Catalog

High Altitude Ice Crystals - High Ice Water Content Project

Latest Cloud Temperature



For documentation/communications: Operations Schedule

Project Time

[illegible]	Tues, Mar 4, 2:18 PM	Tues, Mar 4, 3:18 PM	
Darwin	Wed, Mar 5, 7:48 AM	Melbourne	Wed, Mar 5, 9:18 AM
Paris	Tues, Mar 4, 11:18 PM	Tokyo	Wed, Mar 5, 7:18 AM

Current Reports

Operations Plan of the Day
Weather Discussion

Tools

Catalog Maps (GIS Tool)

Announcements/Schedule

Communications Coordinator: Tom Ratvasky Phone: 0469 329 163

Updated at 01:30 UTC 02-Mar-2014

Announcement:

- **No flights 02-March or 04-March** - the fuel control valve is expected to be in Darwin on Monday. However, a PC board for the fuel control is also required. This board has been ordered, but the delivery date is unknown at the moment. Current best guess is the test flight on 05-March.
- The forecast for the top end has dry air persisting through Wednesday. A tropical cyclone is anticipated to develop in the Coral Sea and move west toward Cairns. Planning is being initiated to deploy the Falcon 20 towards the east coast later this week after functional flight checks are completed.
- Decision on extension will be made on 05-March after gathering terms and conditions of extending lease at Pearl hangar and understanding the status of the aircraft

Plan for 02-Mar-2014

- no more meetings - enjoy the good weather!

Plan for 03-Mar-2014

- 09:00 Wx brief
- 09:30 FOG meeting
- 14:00 McBride presentation, "Australian Monsoon and the MJO (Madden-Julian Oscillation)", NTRO 2nd Floor conference room

Plan for 04-Mar-2014

- 09:00 Wx brief
- 09:30 FOG meeting
- Replace fuel valve after receipt

Times posted are local Darwin time, unless otherwise noted.

IASI

MOPITT

GOES-E

GEOS-Chem

GEOS-5

NEXRAD

NWS Soundings

METARs

Supporting Products: Example - Satellite

FRAPPE Field Catalog

Front Range Air Pollution and Photochemistry Experiment

Home | Maps | Reports | Status | Products | Missions | Tools & Links | Data Access | Help

Products: Satellite, Radar, Surface, Upper-Air, Analysis, Advisory, Aircraft, Model

Satellite

« 2014/08/25 (UTC) | Choose Other Date | 2014/08/27 (UTC) »

Choose Product Group

Satellite Products 2014/08/26

IASI					
	CO Total Column Effective VMR Global	2014/08/20 00:00 UTC	2014/08/20	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
	CO Total Column Effective VMR Pacific Ocean	2014/08/20 00:00 UTC	2014/08/20	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
	CO Total Column Effective VMR Western US	2014/08/20 00:00 UTC	2014/08/20	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
MOPITT					
	CO Total Column Effective VMR Global	2014/08/22 00:00 UTC	2014/08/22	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
	CO Total Column Effective VMR Pacific Ocean	2014/08/22 00:00 UTC	2014/08/22	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
	CO Total Column Effective VMR Western US	2014/08/22 00:00 UTC	2014/08/22	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
	V5J CO 500mb Layer VMR Western US	2014/08/23 00:00 UTC	2014/08/23	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
	V5J CO Surface Layer VMR Western US	2014/08/23 00:00 UTC	2014/08/23	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
	V5J CO Total Column Effective VMR Western US	2014/08/23 00:00 UTC	2014/08/23	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
Satellite, GOES-13					
	1km frappe ch1 vis	2014/08/25 20:08 UTC	2014/08/25	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
	1km regional ch1 vis	2014/08/25 20:15 UTC	2014/08/25	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
	4km Channel 1 (Visible)	2014/08/25 20:08 UTC	2014/08/25	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
	4km Channel 4 (Thermal IR)	2014/08/25 20:08 UTC	2014/08/25	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
	AOD	2014/08/25 18:45 UTC	2014/08/25	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
Satellite, GOES-15					
	1km frappe ch1 vis	2014/08/25 20:15 UTC	2014/08/25	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
	4km patmosx cld emiss acha frappe region	2014/08/26 13:00 UTC	2014/08/26	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
	4km patmosx cld emiss acha western US	2014/08/26 13:00 UTC	2014/08/26	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
	4km patmosx cld height acha frappe region	2014/08/26 13:00 UTC	2014/08/26	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
	4km patmosx cld height acha western US	2014/08/26 13:00 UTC	2014/08/26	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
	4km patmosx cld opd dcomp frappe region	2014/08/26 13:00 UTC	2014/08/26	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
	4km patmosx cld opd dcomp western US	2014/08/26 13:00 UTC	2014/08/26	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
	4km patmosx cld reff dcomp frappe region	2014/08/26 13:00 UTC	2014/08/26	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
	4km patmosx cld reff dcomp western US	2014/08/26 13:00 UTC	2014/08/26	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
	4km patmosx cld temp acha frappe region	2014/08/26 13:00 UTC	2014/08/26	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
	4km patmosx cld temp acha western US	2014/08/26 13:00 UTC	2014/08/26	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
	4km patmosx cloud type frappe region	2014/08/26 13:00 UTC	2014/08/26	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
	4km patmosx cloud type western US	2014/08/26 13:00 UTC	2014/08/26	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images

javascript:void(0);

Mission Summary Table

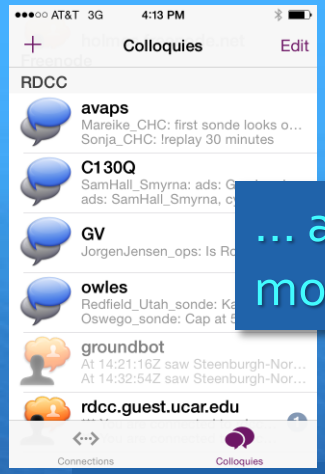
For Post Mission/Post Campaign Review:

OWLeS Field Catalog

Ontario Winter Lake-effect Systems

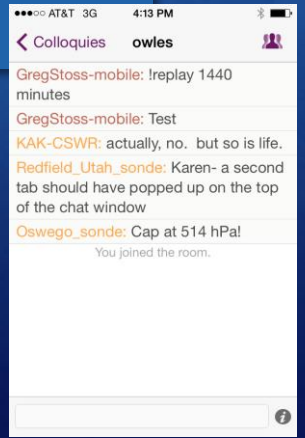
Home | Reports | Status | Ops Products | Model Products | Research Products | Missions | Tools & Links | Data Access | Help

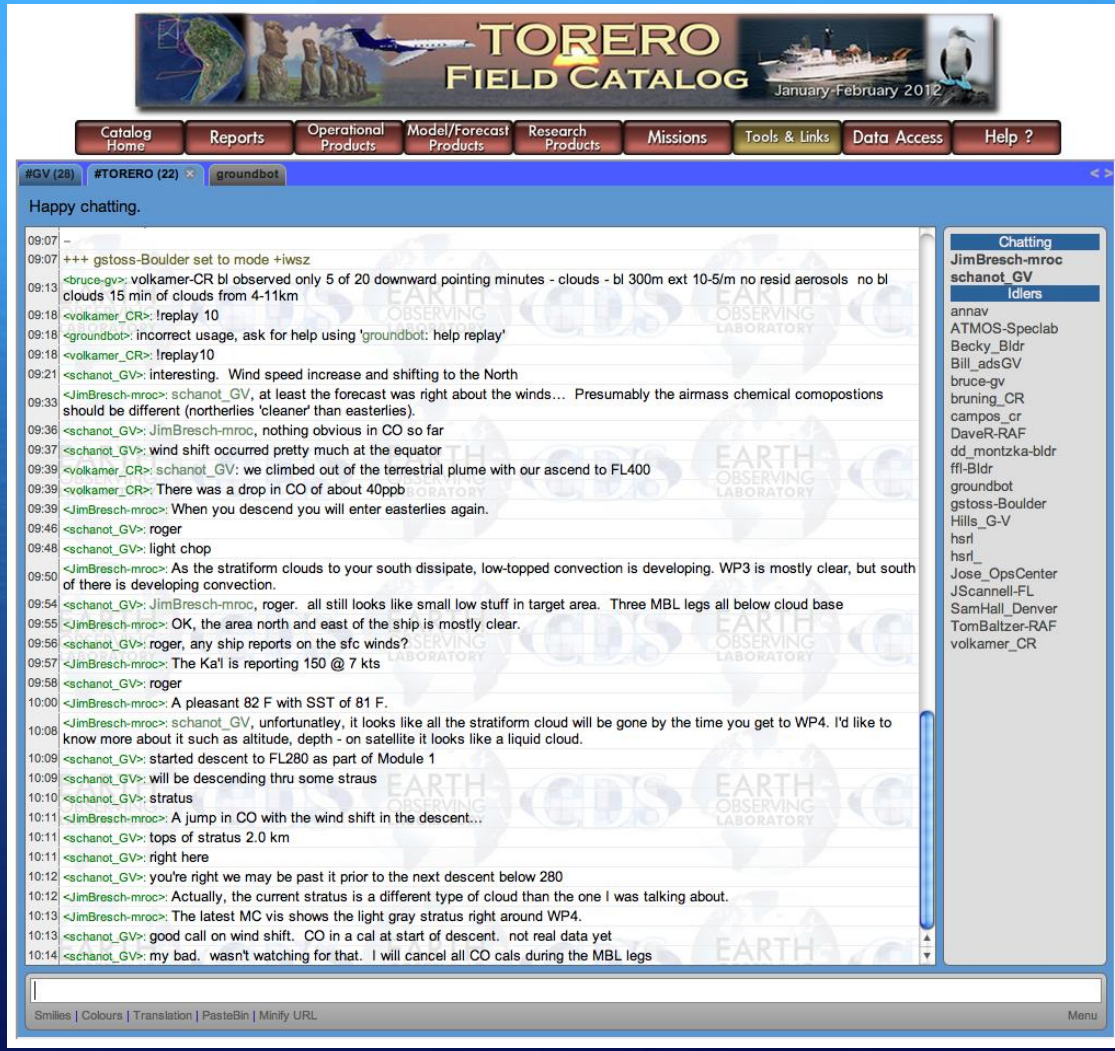
IOP	Start Date/Time	End Date/Time	Event	Catalog Products	Flight Track Plot	Summaries	Notes
01	2013-12-07 16:00	2013-12-07 23:00	LLAP band	Ops: Satellite Ops: Radar Ops: Surface Ops: Upper-Air Research: Radar Research: Surface Research: Upper-Air	UWKA Flight Track Plot	Summary Reports	A band-like structure, exhibiting small cellular features, formed early in the day near Oswego and persisted through the afternoon and early evening. The band was oriented approximately 280-290 degrees to the shoreline. Surface assets and soundings targeted this band. More substantial snow occurred with an E-W oriented band near Pulaksi, NY. The WY King Air flew parallel to the long axis of the lake. Upwind soundings were obtained in Ontario, Canada.
02a	2013-12-10 16:39	2013-12-10 20:18	Downwind band	Ops: Satellite Ops: Radar Ops: Surface Ops: Upper-Air Research: Radar Research: Surface Research: Upper-Air	UWKA Flight Track Plot	King Air Mission Summary Report Millersville Tethersonde Summary Report	Weak mesoscale band oriented E-W off Lake Erie. Two surprising observations were that the Erie band extending east completely across the OWLeS operations area throughout the day (it died at sunset as expected from climatology) and that the cloud tops south of the band were just as high and turreted as those in the band. Indeed, the high reflectivity band seemed to follow a sharp change in depth of the moist convection rather than being assoicated with an isolated band of deeper convection.
02b	2013-12-10 23:00	2013-12-12 02:00	LLAP band	Ops: Satellite Ops: Radar Ops: Surface Ops: Upper-Air Research: Radar Research: Surface Research: Upper-Air	UWKA Flight Track Plot	Summary Reports	An intense LLAP band was sampled on the east shores of Lake Ontario by ground assets. OWLeS operated through the night with all ground facilities commencing operations at 1800 EST and ending operations at 1900 EST on 11 December.
03	2013-12-12 21:00	2013-12-13 07:00	LLAP band	Ops: Satellite Ops: Radar Ops: Surface Ops: Upper-Air Research: Radar Research: Surface Research: Upper-Air	UWKA Flight Track Plot	Summary Reports	An intense LLAP band was sampled on the east shores of Lake Ontario by ground assets. OWLeS operated through the night with all ground facilities commencing operations at 1600 EST and ending operations at 0200 EST on 13 December, although some teams continued data collection until 0900 EST.
04	2013-12-15 20:40	2013-12-16 07:00	LLAP band	Ops: Satellite Ops: Radar Ops: Surface Ops: Upper-Air Research: Radar Research: Surface Research: Upper-Air	UWKA Flight Track Plot	Summary Reports	A surprise LLAP band was sampled on the east shores of Lake Ontario. The expectation from model guidance was that it would make landfall between Fairhaven and Oswego but instead the band moved Northward. In summary, this is a good case study for LLAP and orographic interests, but the coordination between aircraft and DOW measurements was rather poor, MIPS was nor under the band, and we did not have an east shore radiosonde north of the band.



… and mobile!

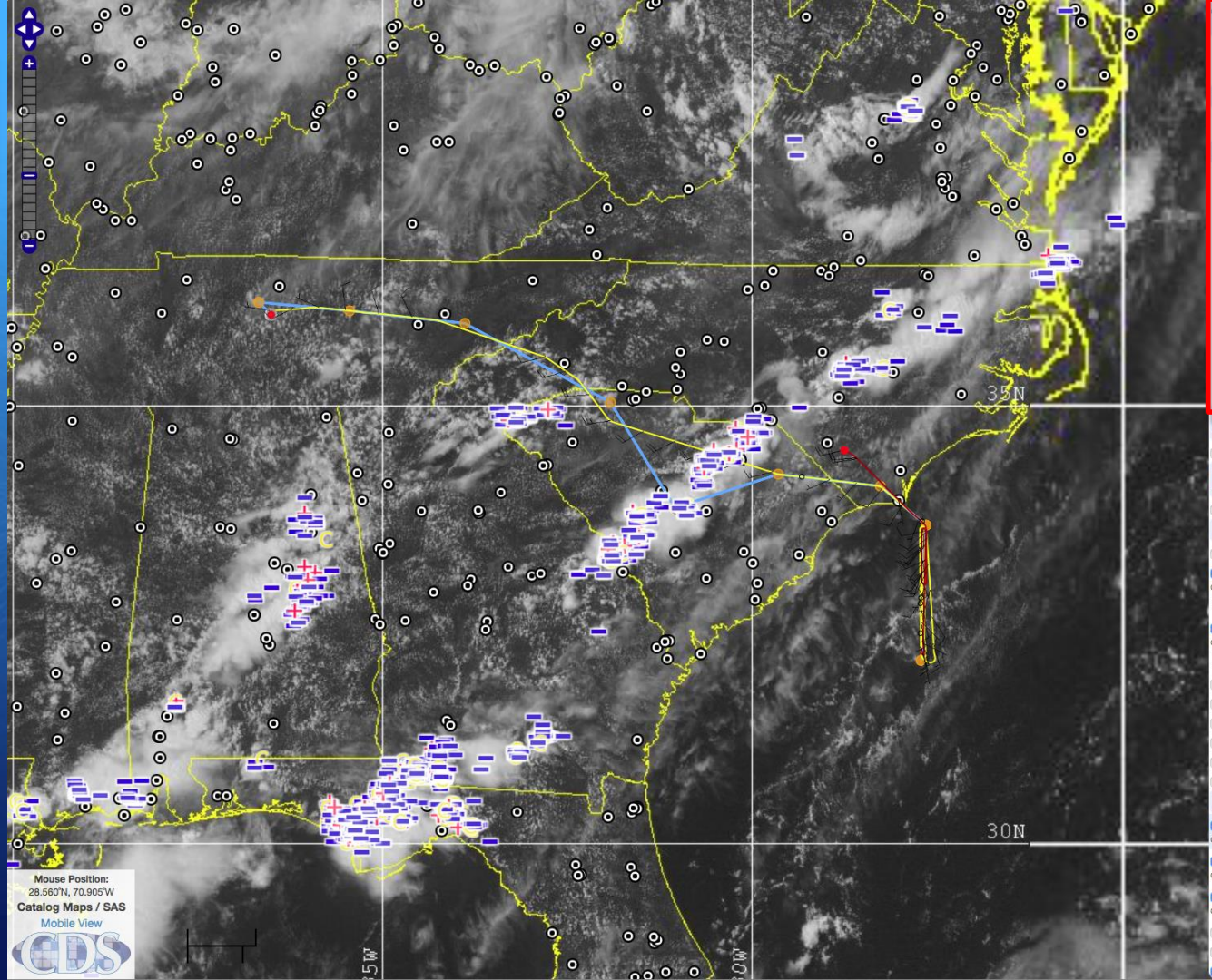
For Real-time Communications: IRC Chat





Catalog Maps Tool:

- Situational Awareness
- Mission Planning
- Flight Tracking
- Mission Review



Time Controls

Map Time: 2013-07-08 20:13 UTC

Reset to Latest

Time Step

back | 1 hour | forward

Date / Time Select

July 2013

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Hour: 20 Minute: 13

Date / Time Select

Camera Controls

- [ ] C-130 Forward Camera

Layer Controls

- [ ] Latitude/Longitude Lines

Imagery

- [ ] NEXRAD mosaic
- [x] GOES-13 1km_SE_ch1_vis
  @ 2013-07-08 20:02 UTC
- [x] GOES-13 4km_ch1_vis
  @ 2013-07-08 20:02 UTC
- [ ] GOES-13 4km_ch4_thermal-IR
- [ ] GOES-13 4km_ch3_water_vapor
- [ ] GOES-14 1km_SE_ch1_vis
- [ ] GOES-14 4km_ch1_vis
- [ ] GOES-14 4km_ch4_thermal-IR
- [ ] GOES-14 4km_ch3_water_vapor

KMLs

- [x] C-130 Flight Track
  @ 2013-07-08 20:13 UTC
- [x] C-130 Flight Plan
  @ 2013-07-08 14:37 UTC
- [x] NAPLN: latest strikes
  @ 2013-07-08 20:13 UTC
- [ ] Special Use Airspace
- [ ] VORs
- [x] SO2 Source Locations

Next Steps:

- With input from project participants, develop a prioritized list of operational and model products needed in the field.

1. What is needed for real-time decision making/situational awareness?

2. What are the important products/data that need to be captured to document the conditions in which you sampled?

Next Steps:

- Develop a list of research products that are expected to be uploaded from the field.

    1. What products/preliminary datasets can you send to the catalog?

    2. What are the formats of these data?

- Do you have any special requirements for real-time data support during the campaign?

Next Steps:

- The Field Catalog will be on-line by mid-January to give you time to become familiar with it before the campaign.

- I'll do a tutorial on how to use the Field Catalog before the campaign starts via a web conference.

- I'll be on-site in Virginia for the first two+ weeks of the campaign.

for more information, contact:

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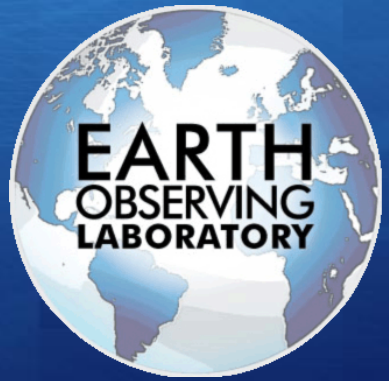

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