

# PECAN Field Catalog Support

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and John Allison  
EOL/Computing Data and Software Facility

*PECAN PLANNING  
MEETING  
2-3 MARCH, 2015*

# EOL FIELD CATALOG TOOL

*In-field tool to ingest and display operational and preliminary research products and project documentation for making real-time decisions and evaluating project progress*

- Daily Mission Reports
- Operations Planning Reports
- Facility Status Reports
- Data Analysis Products (Research)
- GIS-based display (real-time and replay)
- Operational and Forecast products
- Authoring Tools
- Web-based access

*\*Long term product & report archive*

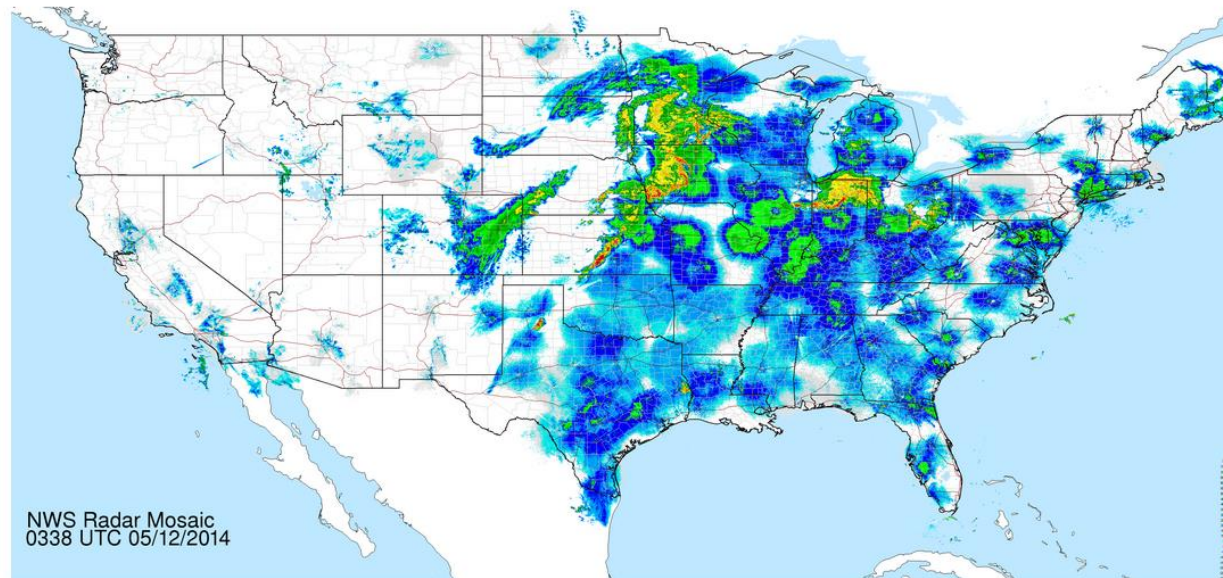
The screenshot displays the PECAN 2014 Field Catalog website. The main header reads "PECAN 2014 Field Catalog" and "PECAN 2014 Dry Run". A navigation menu includes Home, Reports, Status, Satellites, Radar, Surface, Upper-Air, Advisory, Aircraft, Model, Missions, Tools & Links, and Help. The main content area features a "Latest National Radar Mosaic" with a map of the United States showing radar data. To the right, there are sections for "Current Reports" (Chief Scientist Summary, Weather Discussion), "Tools" (Catalog Maps (GIS Tool), Way Point Calculator), and "Chatrooms" (IRC Chat Access, Help Documentation, Get a Password: catalog@eol.ucar.edu). A "mibbit" logo is also present. The footer contains contact information for Earth Observing Laboratory, including phone numbers, external webpages (IDL, EOL/CCDS, EOL/FPS), catalog resources (Field Catalog, Catalog Users Guide, Upload Documents, Contact Us, Calendar), and social media links (EDS, Facebook, PECAN\_2014 Twitter, Mibbit IRC, Request IRC Password, Contact Us). The copyright notice at the bottom reads "© 2014 UCAR. All Rights Reserved."

# PECAN\_2014 Field Catalog

## PECAN 2014 Dry Run

[Home](#)
[Reports](#)
[Status](#)
[Satellite](#)
[Radar](#)
[Surface](#)
[Upper-Air](#)
[Advisory](#)
[Aircraft](#)
[Model](#)
[Missions](#)
[Tools & Links](#)
[Help](#)

### Latest National Radar Mosaic



### Current Reports

[Chief Scientist Summary](#)  
[Weather Discussion](#)

### Tools

[Catalog Maps \(GIS Tool\)](#)  
[Way Point Calculator](#)

### Chatrooms

[IRC Chat Access](#)  
[Help Documentation](#)  
 Get a Password:  
[catalog@eol.ucar.edu](mailto:catalog@eol.ucar.edu)



### 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 onsite on Monday. However a PC board for the fuel control is also required. The 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 has dry air persisting through Wednesday. The next chance for an IOP appears to be 07-March. All project operations will observe a hard down day tomorrow, followed by a maintenance day on Tuesday.

#### Plan for 02-March-2014

- Hard Down day all hands

#### Plan for 03-March-2014

- Maintenance Day.
- 1300 CDT Daily Weather Briefing
- 1400 FOG Meeting
- 1500 McBride Presentation, "The Moore Oklahoma Tornado"

#### Plan for 04-March-2014

- 1300 CDT Daily Weather Briefing



**Phone Numbers**  
 Teleconference: 1-000-000-0000  
 Access Code: 0000000

**External Webpages**  
[EOL](#)  
[EOL/CDS](#)  
[EOL/FPS](#)

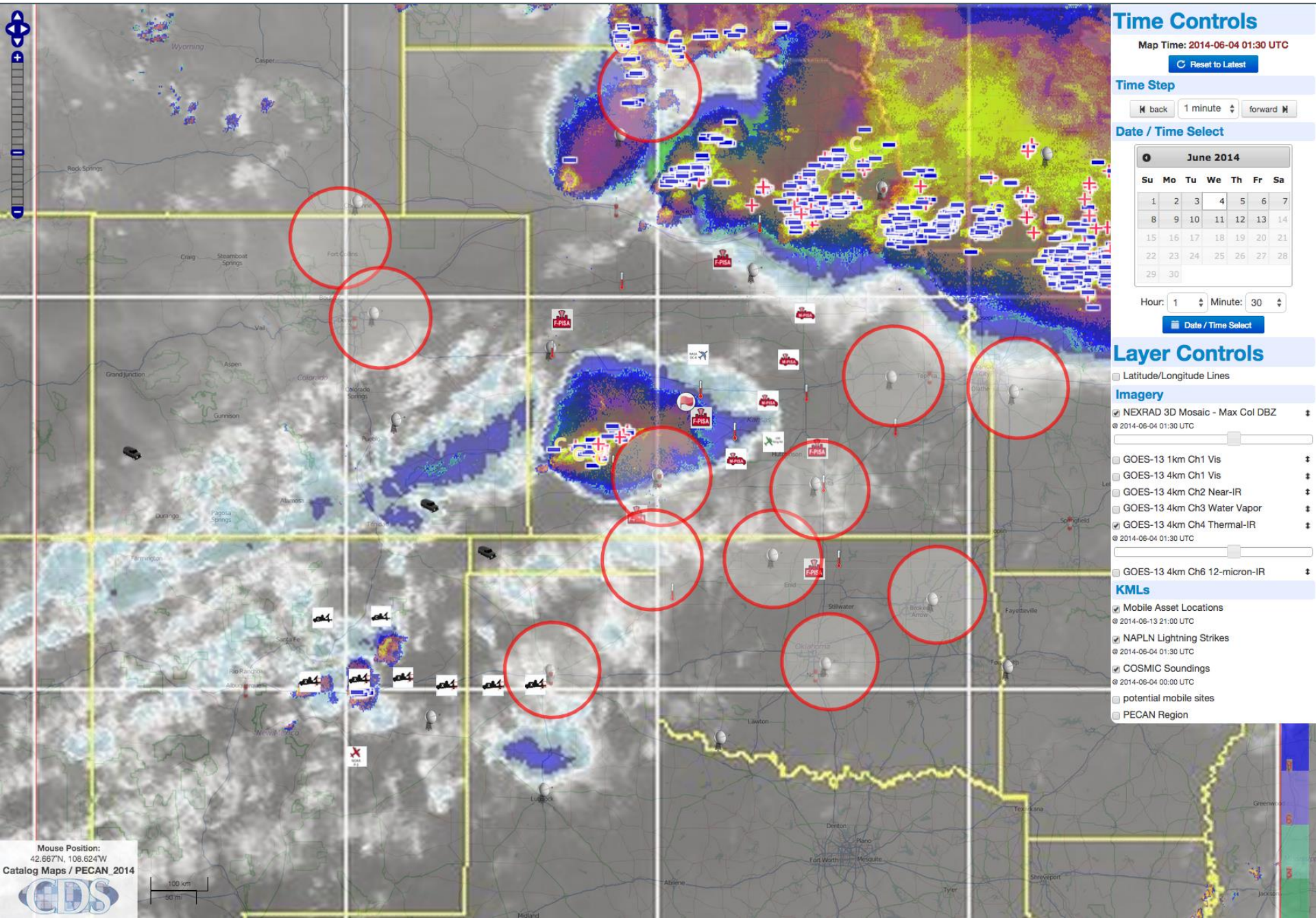
**Catalog Resources**  
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**NCAR  
UCAR**

# Catalog Maps (GIS Tool)



## Time Controls

Map Time: 2014-06-04 01:30 UTC

Reset to Latest

## Time Step

back 1 minute forward

## Date / Time Select

June 2014

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					

Hour: 1 Minute: 30

Date / Time Select

## Layer Controls

Latitude/Longitude Lines

### Imagery

NEXRAD 3D Mosaic - Max Col DBZ  
© 2014-06-04 01:30 UTC

GOES-13 1km Ch1 Vis

GOES-13 4km Ch1 Vis

GOES-13 4km Ch2 Near-IR

GOES-13 4km Ch3 Water Vapor

GOES-13 4km Ch4 Thermal-IR  
© 2014-06-04 01:30 UTC

GOES-13 4km Ch6 12-micron-IR

KMLs

Mobile Asset Locations  
© 2014-06-13 21:00 UTC

NAPLN Lightning Strikes  
© 2014-06-04 01:30 UTC

COSMIC Soundings  
© 2014-06-04 00:00 UTC

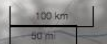
potential mobile sites

PECAN Region

Mouse Position:

42.667°N, 108.624°W

Catalog Maps / PECAN\_2014



# FIELD CATALOG SAMPLE PRODUCTS

## TPARC\_2008 Operations Plan of the Day

Date of report(UTC): 20080923 23:50  
 Author of report: Dick Duna  
 Submitted at: 20080924 00:37  
 Revised at(UTC): 20080924 18:33

### Operations Summary:

The P-3, C-130 and Falcon are all down today.  
 The C-130 is scheduled to fly tomorrow, 25 September (Suwe, Japan 127).  
 The P-3 is scheduled to fly tomorrow, 25 September.  
 The Falcon is not scheduled to fly tomorrow.  
 Flight schedules for C-130 and P-3 shown below.  
 Schedule for C-130 in the next 24 hours:

Event	UTC	Local LT	MST LT
P-3 Plan	120000Z 24 Sep	2300 25 Sep	0500 24 Sep
Go/No go	130000Z 24 Sep	2300 25 Sep	0400 24 Sep
Science Ref			
Crew alert	130000Z 24 Sep	2300 25 Sep	0400 24 Sep
Crew brief	140000Z 24 Sep	0000 26 Sep	0700 24 Sep
C-130 9/0	170000Z 24 Sep	0300 25 Sep	1000 24 Sep
C-130 Land	090000Z 25 Sep	1600 25 Sep	1700 24 Sep
Debrief	010000Z 25 Sep	1100 25 Sep	1800 24 Sep

Event	UTC	Local LT	MST LT
Science Ref	170000Z 24 Sep	0300 25 Sep	1000 24 Sep
Crew Brief	170000Z 24 Sep	0300 25 Sep	1000 24 Sep
MIL P-3 703	240000Z 24 Sep	0800 25 Sep	1300 24 Sep
p-3 Land	040000Z 25 Sep	1400 25 Sep	2100 24 Sep
Debrief	050000Z 25 Sep	1500 25 Sep	2200 24 Sep

C-130 requires flight tracks 5 or more hours before take off on a day to be detailed 2-3 hours before launch. Pre-flight actions briefing will be 3 hours in advance of each aircraft departure. Pre-flight operational brief will be two hours in advance of departure of each aircraft.

Deliftside operations continue. Flight #13 is operational and is located en route, 181.5W, at 29,900 altitude. Flight #14 is operational and is located at 20.5W, 171.0W, at 21,100 altitude. Flight #15 is operational and is located at 18.0W, 170.5W, at 21,100 altitude. Flight #16 was launched at 151000Z, 23 Sep.

The Daily Planning Meeting will be at the regular time.

DN 230000Z 24 Sept 0900 25 Sept 1400 24 Sept

### SCIENTIFIC OBJECTIVE(S)

Structure change in TC02-047 southwest of Guam

### MISSION PLANS:

#### PRIMARY MISSION:

#### Latest status reports

Platform	Instrument	Status	Di
<b>CSWR Facilities</b>			
CSWR DOW 6	Overall	up	2014-01-27 14:12Z
CSWR DOW 7	Overall	up	2014-01-27 14:12Z
CSWR Deployable Weather Pod	Overall	up	2014-01-27 14:12Z
CSWR Rapid Scan DOW	Overall	up	2014-01-28 17:17Z
<b>HWSmith Facilities</b>			
HWSmith sonde	Overall	up	2014-01-28 20:20Z
<b>Illinois Facilities</b>			
Illinois sonde	Overall	up	2014-01-19 18:00:00 UTC STATE
<b>Milleville University Facilities</b>			
Milleville Univ. LIDAR	Overall	down	2014-01-29 13:32:00 UTC STATE
Milleville Univ. SODAR	Overall	down	2014-01-29 13:34:00 UTC STATE
Milleville Univ. Tethered Balloon	Overall	down	2014-01-29 13:34:00 UTC STATE
Milleville Univ. flux tower	Overall	down	2014-01-29 13:35:00 UTC STATE
Milleville sonde	Overall	down	2014-01-29 13:36:00 UTC STATE
<b>SUNY Facilities</b>			
SUNY sonde	Overall	up	2014-01-24 21:04:00 UTC STATE
<b>Univ of Alabama Facilities</b>			
MPS	Overall	up	2014-01-29 16:25:00 UTC STATE
MPS	915 MHz wind profiler	up	2014-01-29 16:20:00 UTC STATE
MPS	Celiometer	up	2014-01-29 16:20:00 UTC STATE
MPS	Electric field mill	up	2014-01-29 16:20:00 UTC STATE
MPS	Microwave Profiling Radiometer	up	2014-01-29 16:20:00 UTC STATE
MPS	Parasol disdrometer	up	2014-01-29 16:20:00 UTC STATE
MPS	Precipitation gauge	up	2014-01-29 16:20:00 UTC STATE
MPS	Time-Lapse Camera - MPS	provisional	2014-01-29 20:18:00 UTC STATE
MPS	Time-Lapse Camera - SUNY Oswego	stopped at	2014-01-29 16:20:00 UTC STATE
MPS	WXT 520	up	2014-01-29 16:20:00 UTC STATE
MPS	Wind Lidar	up	2014-01-29 16:20:00 UTC STATE
MPS	X-band Doppler radar	up	2014-01-29 16:20:00 UTC STATE

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

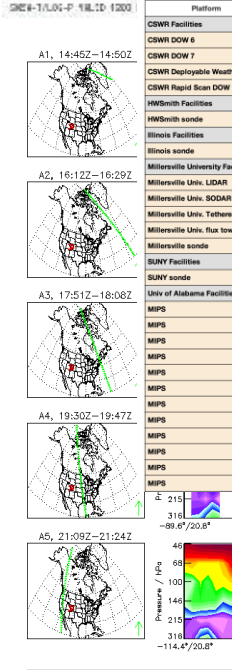
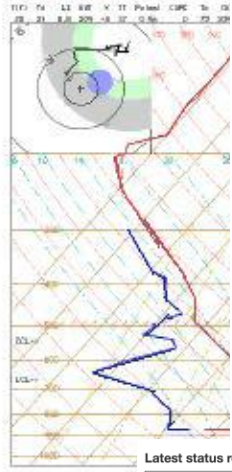
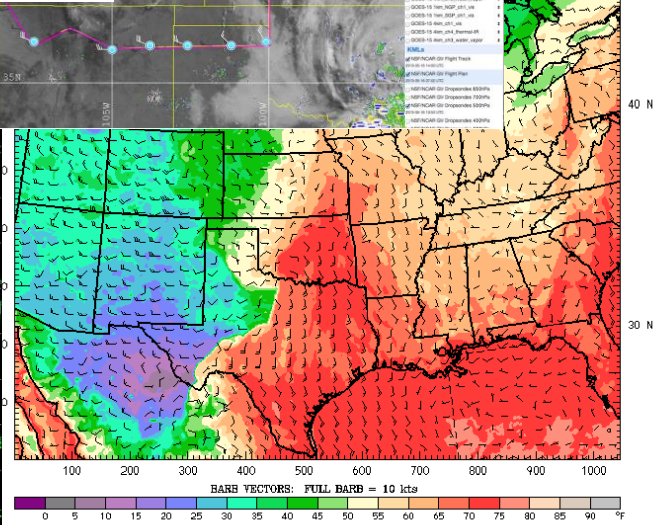
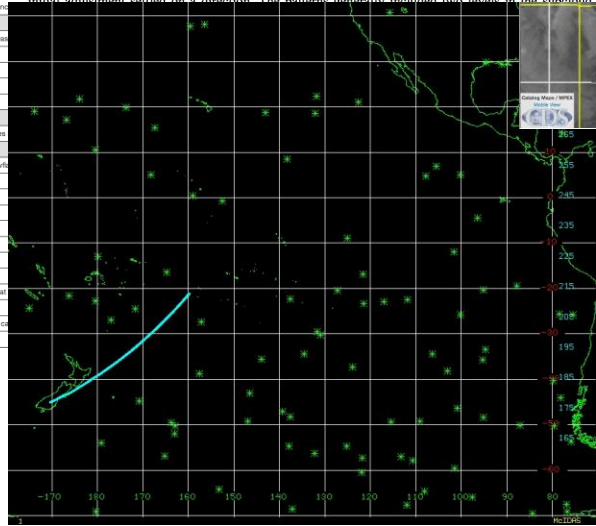
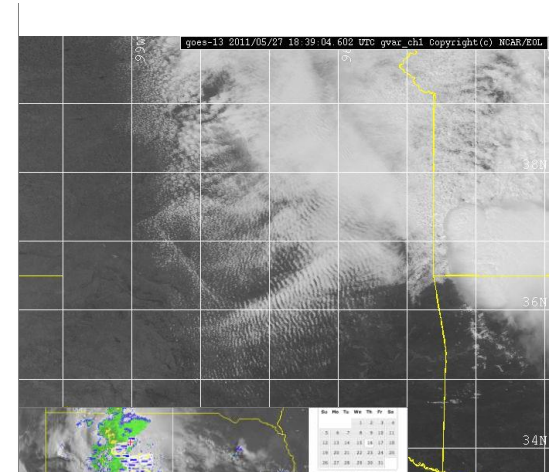


Figure 1: Images showing cloud field during flight.

**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<sup>-3</sup>.

**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 initial 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 which the dual Doppler was desired. Later in the flight we flew a tail pattern which sampled a dissipating tail west of Barbuda, and the period before its subsequent redevelopment.

**Overview of Flight Pattern:** The momentum patterns were to consist of stacks of four to five legs, along and across the shear. We attempted to coordinate these with the ships heading, and after some initial adjustment settled on a direction. The pattern generally included two levels in the subcloud



# Products for Current Day

Satellite Products

2013/07/16

Satellite, GOES-13

- 1km Channel 1 (Visible) Northern Great Plains
- 1km Channel 1 (Visible) Southern Great Plains
- 4km Channel 1 (Visible)
- 4km Channel 3 (Water Vapor)
- 4km Channel 4 (Thermal IR)

2013/07/08 22:02 UTC

2013/07/08 22:02 UTC

2013/07/08 22:02 UTC

2013/07/08 22:02 UTC

2013/07/08 22:02 UTC

2013/07/08

- Loop Last 6 Images
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- Loop Last 24 Images
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Satellite, GOES-14

- 1km Channel 1 (Visible) Northern Great Plains
- 1km Channel 1 (Visible) Southern Great Plains
- 4km Channel 1 (Visible)
- 4km Channel 3 (Water Vapor)
- 4km Channel 4 (Thermal IR)

2013/06/10 20:45 UTC

2013/06/10 20:45 UTC

2013/06/10 20:45 UTC

2013/06/10 20:45 UTC

2013/06/10 20:45 UTC

2013/06/10

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Satellite, GOES-15

- 1km Channel 1 (Visible) Northern Great Plains
- 1km Channel 1 (Visible) Southern Great Plains
- 4km Channel 1 (Visible)
- 4km Channel 3 (Water Vapor)
- 4km Channel 4 (Thermal IR)

2013/07/16 16:45 UTC

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2013/07/16

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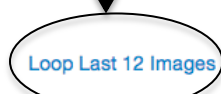
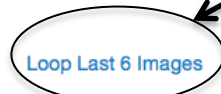
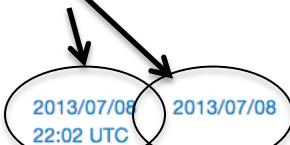
Loop Last 12 Images

- Loop Last 24 Images
- Loop Last 24 Images
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- Loop Last 24 Images
- Loop Last 24 Images

Latest Product

Choose Product Group: ▾

Loops



Frame No:

18



playback: stop

Scale: 100

Loop Mode:



normal

Adjust Speed:



2 fps

Dwell First/Last:



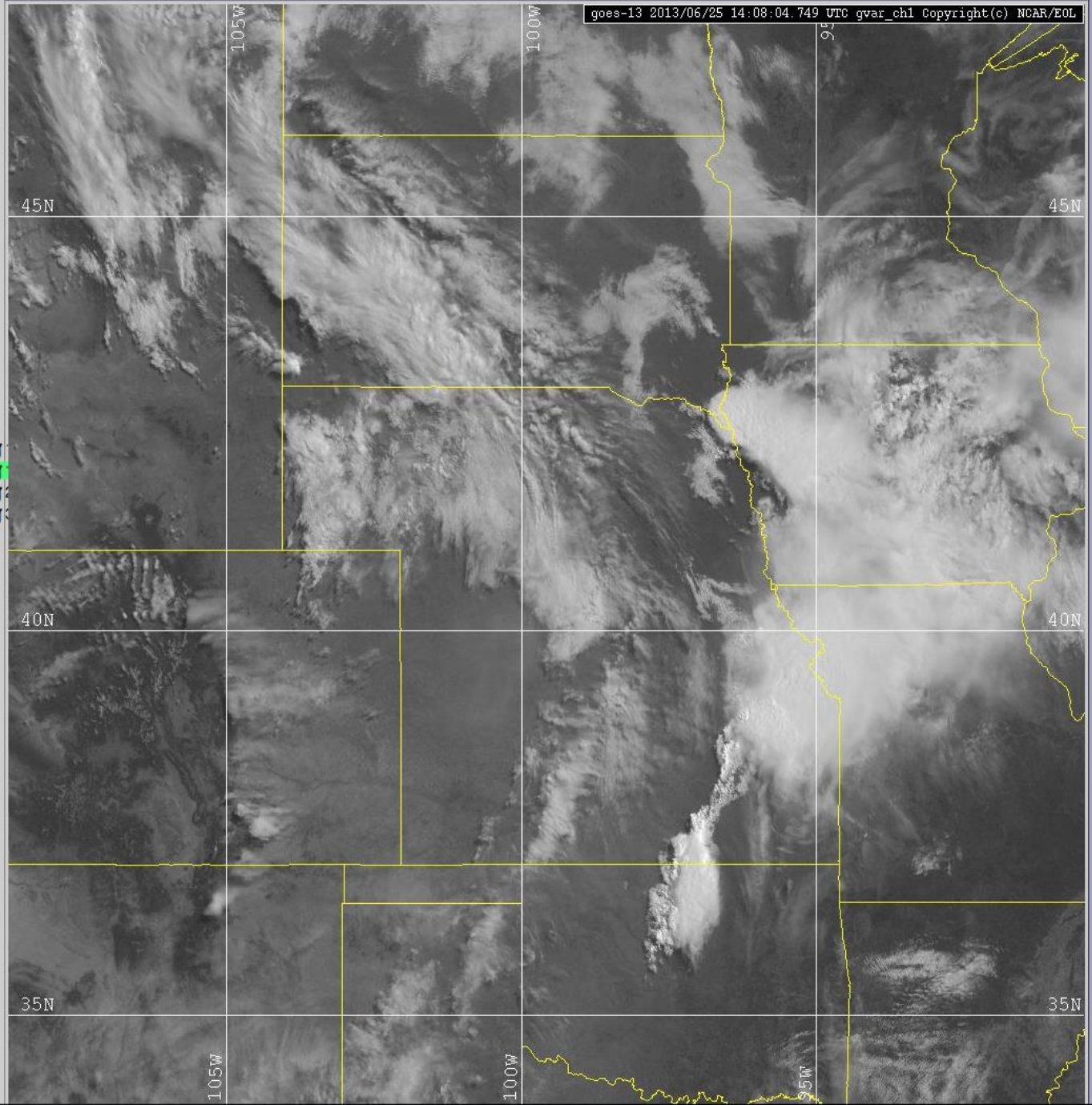
1.5s 1.5s

Selected Frames:

- 1  2  3  4  5  6  7  8  9
- 11  12  13  14  15  16  17
- 19  20  21  22  23  24  25
- 27  28  29  30  31  32  33
- 35  36  37

ops.GOES-13.201306251415.1km\_NGP\_ch1\_vis.jpg

goes-13 2013/06/25 14:08:04.749 UTC gvar\_ch1 Copyright(c) NCAR/EOL



# Status reports summary

Instrument	2013-11-15	2013-12-09	2013-12-10	2013-12-11	2013-12-12	2013-12-13	2013-12-14	2013-12-15	2013-12-16	2013-12-17	2013-12-18	2013-12-19	2013-12-21	2013-12-31	2014-01-04	2014-01-05	2014-01-06	2014-01-07	2014-01-08	2014-01-09	2014-01-10	2014-01-12	2014-01-13	2014-01-15	2014-01-16	2014-01-17		
<b>CSWR Facilities</b>																												
<b>CSWR DOW 6</b>																												
Overall		provisional	up	up	up	up	down	up	up	up						up		up				up		up		up		
<b>CSWR DOW 7</b>																												
Overall		up		up	up		up	up	provisional	up						down		up				up		up		up		
<b>CSWR Deployable Weather Pod</b>																												
Overall		up		up	up		up	up	up	up						provisional		provisional				up		up		up		
<b>CSWR Rapid Scan DOW</b>																												
Overall		up		up	up		up	up	up	up						up		up				up		up		up		
<b>HWSmith Facilities</b>																												
<b>HWSmith sonde</b>																												
Overall		up	up	up	up		up	up			up					up	up	up				up		up				
<b>Illinois Facilities</b>																												
<b>Illinois sonde</b>																												
Overall		up			up	up			up						provisional			up				up	up		up			
<b>Millersville University Facilities</b>																												
<b>Millersville Univ. LIDAR</b>																												
Overall	down		up		up	up	up		up	up	up	up			up	up	up	down	up			up	up	up	up	up	up	up
<b>Millersville Univ. SODAR</b>																												
Overall			up		provisional	down	provisional		provisional	up	up	up			up	up	up	provisional	up			up	up	up	up	up	up	
<b>Millersville Univ. Tethered Balloon</b>																												
Overall			up		down	down	up		up	up	up	up			up	up	down	up	up			up	up	up	up	up	up	
<b>Millersville Univ. flux tower</b>																												
Overall						up	up		up	up	up	up			up	up	up	up	up			up	up	up	up	up	up	
<b>Millersville sonde</b>																												
Overall				down	up	down	up		up	up	up	up			up		up	up	up			up	up	up	up	up	up	
<b>SUNY Facilities</b>																												
<b>SUNY sonde</b>																												
Overall			up	down	up	up	up	up	up	up		up		up	up							up				up	up	
<b>Univ of Alabama Facilities</b>																												
<b>MIPS</b>																												



# NSF NCAR GV Mission Summary

## Enter new report

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

**Password\***

**Author\***

**Date/Time\***     
(Form loaded at 2014-05-12 19:07 UTC)

**IOP/Mission #\***

**Takeoff Time\***     
(Form loaded at 2014-05-12 19:07 UTC)

**Landing Time\***     
(Form loaded at 2014-05-12 19:07 UTC)

### Flight Summary

**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.

body p

Clear editor

Cancel Submit

# OWLeS: Ontario Winter Lake-effect Systems

## Chief Scientist Summary

### Author

Bart Geerts

### IOP Date/Time

2014-01-27 23:59:00 UTC

### Discussion

### IOP21

IOP21 focused on downwind persistence (DP) and upwind effects of the Lake Ontario LLAP band, with a separate minor focus on any DP from Lake Erie in the area of Geneva as follows:

- 1600-2300 UTC: DOW6 @ Seneca Meadows
- 2011-2358 UTC: UWKA flight
- 1745 UTC into overnight: DOW7 @ Oswego
- MUPS tethersonde @ Finger Lakes Tech Center: after UWKA take-off till before UWKA landing
- soundings: from four locations
  - MU at Finger Lakes Tech Center near Geneva: :15:45, 17:15, 18:45, 20:15, 21:45 UTC (all OK)
  - UI from Darrington, Ontario: 18:45, 20:15, 21:45 UTC (all OK)
  - SUNY-O from the Oswego campus: 18:45, 20:15, 21:45 UTC (all OK)
  - HWS from near Sodus point: 18:45, 20:15, 21:45 UTC (all OK)
  - UU from Upper Redfield: 21:45 UTC
- ~18 UTC into overnight: MIPS @ Mexico High School

map below shows UWKA flight track, DOW 7 , sounding sites, MUPS.



IOP	Start Date/Time	End Date/Time	Instruments	Catalog Products	Flight Track Plots	Flight Track KMLs	Summaries	Notes
01	2013-05-15 09:00	2013-05-15 13:30	NCAR GV (RF01)	<a href="#">Satellite Radar Research - Aircraft Research - Dropsonde</a>	<a href="#">GV Flight Track Plot</a>	<a href="#">GV Flight Track</a> <a href="#">GV Dropsonde Points</a> <a href="#">GV Dropsonde 850 hPa Winds</a> <a href="#">GV Dropsonde 700 hPa Winds</a> <a href="#">GV Dropsonde 500 hPa Winds</a> <a href="#">GV Dropsonde 400 hPa Winds</a> <a href="#">GV Dropsonde 300 hPa Winds</a> <a href="#">GV Dropsonde 250 hPa Winds</a>	<a href="#">Mission Summary</a>	The GV investigated atmospheric regions that were deemed sensitive to the development of heavy rainfall in north Central Texas later this evening (16 May). The flight path southward through New Mexico passed through what appeared to be an upper-level mesoscale vortex, later confirmed by the ABQ sounding
02	2013-05-16 09:00	2013-05-16 14:00	NCAR GV (RF02)	<a href="#">Satellite Radar Research - Aircraft Research - Dropsonde</a>	<a href="#">GV Flight Track Plot</a>	<a href="#">GV Flight Track</a> <a href="#">GV Dropsonde Points</a> <a href="#">GV Dropsonde 850 hPa Winds</a> <a href="#">GV Dropsonde 700 hPa Winds</a> <a href="#">GV Dropsonde 500 hPa Winds</a> <a href="#">GV Dropsonde 400 hPa Winds</a> <a href="#">GV Dropsonde 300 hPa Winds</a> <a href="#">GV Dropsonde 250 hPa Winds</a>	<a href="#">Mission Summary</a>	This morning's GV mission centered on an upper-tropospheric mesoscale vortex over Colorado and consequences for deep convection downstream over Kansas (and possibly Nebraska as it turns out).
03	2013-05-18 09:00	2013-05-18 12:00	NCAR GV (RF03)	<a href="#">Satellite Radar Research - Aircraft Research - Dropsonde</a>	<a href="#">GV Flight Track Plot</a>	<a href="#">GV Flight Track</a> <a href="#">GV Dropsonde Points</a> <a href="#">GV Dropsonde 850 hPa Winds</a> <a href="#">GV Dropsonde 700 hPa Winds</a> <a href="#">GV Dropsonde 500 hPa Winds</a> <a href="#">GV Dropsonde 400 hPa Winds</a> <a href="#">GV Dropsonde 300 hPa Winds</a> <a href="#">GV Dropsonde 250 hPa Winds</a>	<a href="#">Mission Summary</a>	This was a disappointing day for MPEX. The dropsonde system failed at way point 103 due to a stuck sonde that could not be cleared during flight.
04	2013-05-19 09:00	2013-05-19 14:00	NCAR GV (RF04) CSU Mobile Soundings Purdue Mobile Soundings NSSL Mobile Soundings	<a href="#">Satellite Radar Research - Aircraft Research - Dropsonde</a>	<a href="#">GV Flight Track Plot</a>	<a href="#">GV Flight Track</a> <a href="#">GV Dropsonde Points</a> <a href="#">GV Dropsonde 850 hPa Winds</a> <a href="#">GV Dropsonde 700 hPa Winds</a> <a href="#">GV Dropsonde 500 hPa Winds</a> <a href="#">GV Dropsonde 400 hPa Winds</a> <a href="#">GV Dropsonde 300 hPa Winds</a> <a href="#">GV Dropsonde 250 hPa Winds</a>	<a href="#">Mission Summary Mobile Sounding Summary</a>	The GV mission this morning was focused on uncertainties that should affect the development of severe convection over eastern OK and KS late this afternoon.
05	2013-05-21 09:00	2013-05-21 14:15	NCAR GV (RF05)	<a href="#">Satellite Radar Research - Aircraft Research - Dropsonde</a>	<a href="#">GV Flight Track Plot</a>	<a href="#">GV Flight Track</a> <a href="#">GV Dropsonde Points</a> <a href="#">GV Dropsonde 850 hPa Winds</a> <a href="#">GV Dropsonde 700 hPa Winds</a> <a href="#">GV Dropsonde 500 hPa Winds</a> <a href="#">GV Dropsonde 400 hPa Winds</a> <a href="#">GV Dropsonde 300 hPa Winds</a> <a href="#">GV Dropsonde 250 hPa Winds</a>	<a href="#">Mission Summary</a>	This mission for the GV this morning was to observe the atmosphere over western Texas and New Mexico in association with an upper-tropospheric trough that was progressing eastward and projected to encounter very unstable air over central Texas.
06	2013-05-23 09:00	2013-05-23 14:25	NCAR GV (RF06) CSU Mobile Soundings Purdue Mobile Soundings NSSL Mobile	<a href="#">Satellite Radar Research - Aircraft</a>	<a href="#">GV Flight Track Plot</a>	<a href="#">GV Flight Track</a> <a href="#">GV Dropsonde Points</a> <a href="#">GV Dropsonde 850 hPa Winds</a> <a href="#">GV Dropsonde 700 hPa Winds</a> <a href="#">GV Dropsonde 500 hPa Winds</a> <a href="#">GV Dropsonde 300 hPa Winds</a>	<a href="#">Mission Summary Mobile</a>	The focus of today's mission was the potential for organized (possibly severe) convection in Western TX and

# IRC Chat

#GV (28) #TORERO (22) x groundbot

Happy chatting.

09:07 -

09:07 +++ gstoss-Boulder set to mode +iwsz

09:13 <bruce-gv> volkamer-CR bl observed only 5 of 20 downward pointing minutes - clouds - bl 300m ext 10-5/m no resid aerosols no bl clouds 15 min of clouds from 4-11km

09:18 <volkamer\_CR>: !replay 10

09:18 <groundbot>: incorrect usage, ask for help using 'groundbot: help replay'

09:18 <volkamer\_CR>: !replay10

09:21 <schanot\_GV>: interesting. Wind speed increase and shifting to the North

09:33 <JimBresch-mroc>: schanot\_GV, at least the forecast was right about the winds... Presumably the airmass chemical compositions should be different (northerlies 'cleaner' than easterlies).

09:36 <schanot\_GV>: JimBresch-mroc, nothing obvious in CO so far

09:37 <schanot\_GV>: wind shift occurred pretty much at the equator

09:39 <volkamer\_CR>: schanot\_GV: we climbed out of the terrestrial plume with our ascend to FL400

09:39 <volkamer\_CR>: There was a drop in CO of about 40ppb

09:39 <JimBresch-mroc>: When you descend you will enter easterlies again.

09:46 <schanot\_GV>: roger

09:48 <schanot\_GV>: light chop

09:50 <JimBresch-mroc>: As the stratiform clouds to your south dissipate, low-topped convection is developing. WP3 is mostly clear, but south of there is developing convection.

09:54 <schanot\_GV>: JimBresch-mroc, roger. all still looks like small low stuff in target area. Three MBL legs all below cloud base

09:55 <JimBresch-mroc>: OK, the area north and east of the ship is mostly clear.

09:56 <schanot\_GV>: roger, any ship reports on the sfc winds?

09:57 <JimBresch-mroc>: The Ka'l is reporting 150 @ 7 kts

09:58 <schanot\_GV>: roger

10:00 <JimBresch-mroc>: A pleasant 82 F with SST of 81 F.

10:08 <JimBresch-mroc>: schanot\_GV, unfortunately, it looks like all the stratiform cloud will be gone by the time you get to WP4. I'd like to know more about it such as altitude, depth - on satellite it looks like a liquid cloud.

10:09 <schanot\_GV>: started descent to FL280 as part of Module 1

10:09 <schanot\_GV>: will be descending thru some stratus

10:10 <schanot\_GV>: stratus

10:11 <JimBresch-mroc>: A jump in CO with the wind shift in the descent...

10:11 <schanot\_GV>: tops of stratus 2.0 km

10:11 <schanot\_GV>: right here

10:12 <schanot\_GV>: you're right we may be past it prior to the next descent below 280

10:12 <JimBresch-mroc>: Actually, the current stratus is a different type of cloud than the one I was talking about.

10:13 <JimBresch-mroc>: The latest MC vis shows the light gray stratus right around WP4.

10:13 <schanot\_GV>: good call on wind shift. CO in a cal at start of descent. not real data yet

10:14 <schanot\_GV>: my bad. wasn't watching for that. I will cancel all CO calcs during the MBL legs

Chatting  
JimBresch-mroc  
schanot\_GV  
Idlers  
annav  
ATMOS-Speclab  
Becky\_Bldr  
Bill\_adsGV  
bruce-gv  
bruning\_CR  
campos\_cr  
DaveR-RAF  
dd\_montzka-bldr  
ffl-Bldr  
groundbot  
gstoss-Boulder  
Hills\_G-V  
hsrl  
hsrl\_  
Jose\_OpsCenter  
JScannell-FL  
SamHall\_Denver  
TomBaltzer-RAF  
volkamer\_CR

Smilies | Colours | Translation | PasteBin | Minify URL

Menu

## Submission of Files for Inclusion in the Catalog Using FTP

To submit products (images, reports, plots, etc.) you'll need to upload these files to our ftp site for ingest. The address is below:

Anonymous FTP to catalog machine (catalog.eol.ucar.edu [128.117.82.216]) -

```
ftp catalog.eol.ucar.edu (login as anonymous, use email addr for passwd)
```

```
cd pub/incoming/catalog/pecan_2014
```

When the catalog is operational, this site is swept continuously and products are moved from here into the field catalog directories.

All products and reports submitted to the catalog need to follow the product naming convention described below. If a file does not meet the naming convention, it will not be inserted into the catalog automatically.

Files with improper names will be moved to a holding area for renaming or deletion.

## Naming of Files for Submission to the Catalog

All files submitted to the catalog must conform to the following convention:

```
category.platform.YYYYMMDDHHmm.product.extension
```

(NOTE: If you plan on submitting products to the catalog, please contact [catalog@eol.ucar.edu](mailto:catalog@eol.ucar.edu) first before submitting them. Your filenames will need to be vetted, in most cases, before the files will appear in the catalog.

### Category names

The first part of the filename - the category, should describe the type of data contained in the product (e.g. radar, satellite, surface, model, etc.) You should use category names that correspond to the what is set up in the Field Catalog navbar. If you submit a product for a category not represented on the navbar, it will not easily be found so talk to your catalog admin on-site for category name. **Category names should all be in lower case letters.**

### Platform names

Platform names need to be consistently used so all products from a given category and platform are displayed properly. Case is important. Platform names that are acronyms should be all uppercase (e.g. NEXRAD or GOES-13). Platforms that are words should have the first letter capitalized (e.g. Constant\_Pressure). The "\_" may be used as a word separator in a name field. D field.

### Date/Time field

YYYYMMDDHHmm is always the valid UTC date/time of this product. Be sure to use 4-digit years and include minutes (even if they are "00")

### Product name

This should be a descriptive name of what the product is (e.g. satellite.GOES-13.201401302332.4km\_ch1\_vis.jpg). If this product is for a particulare site, the site name should be first followed by the product title. In some cases, this may only be a site name (e.g. upperair.SkewT.YYYYMMDDHHmm.Denver\_CO.gif). In other cases it is a site and a product name (e.g. radar.NEXRAD.200204191200.012\_500mb\_Winds.jpg). make this name readable. Generally if the platform supports multiple product types, the product name include the site name followed by the product title, separated by a "\_".

### Extension

This is simply the file type (e.g. png, jpg, gif, txt, pdf, html, etc.) The field catalog only accepts common web formats, do not use proprietary files types such as .doc, .xls as these require the viewer to have additional software to view. If you wish to upload content in a proprietary file format to the Field Catalog, convert it first to pdf or csv.

## Special Cases

### Model Products

In the case of products being sent from a Model platform (to be accessed from the "Model" button of the catalog)

- category** - must always be "model" . To be included under "Model".
- platform** - should be of the form "model\_site\_res" where site is the host institution and res is the model resolution in the form of xkm. If model is a standard operational model, the site and resolution can be dropped. Examples are "WRF\_CSU\_4km", "WRF\_PSU\_5km", "ECMWF", "ESRL\_HRRR".
- YYYYMMDDHHmm** - this is the UTC Date/Time the model is initialized. It should correspond to the valid date/time of the 00hr forecast
- HHH** - the forecast hour of the product (At this point to catalog does not support sub-hour forecast products).
- product** - should be the product name. This may be MSLP, 850mb\_Height, 500mb\_Theta-E or similar. Again please don't be too cryptic with these names.
- ext** - the same as described above.

(example file name: **model.WRF\_MMM\_10km.200204191200.012\_500mb\_Winds.jpg**)

### GIS Products

In the case of products being sent that are of type .kml or .kmz or are images specifically for use in Catalog Maps that contain no geographic reference information in the image. These products will be available via Catalog Maps but will not otherwise be displayed in the Field Catalog pages.

- category** - must always be "gis".
- platform** - should be the name of the platform
- YYYYMMDDHHmm** - the same as described above.
- HHH** - the forecast hour of the product (At this point to catalog does not support sub-hour forecast products).
- product** - should be the product name. This may be MSLP, 850mb\_Height, 500mb\_Theta-E or similar. Again please don't be too cryptic with these names.
- ext** - the same as described above.

(example file name: **gis.NEXRAD.200204191200.BUF\_DBZ-TRANS.gif**)

### Daily Reports

In the case of products being sent for report.

- category** - must always be "report".
- platform** - should always be platform or location, Operations, NRL\_P-3, or one that has been predefined by EOL. Check with an EOL staff member before submitting a report for the first time.
- YYYYMMDDHHmm** - the same as described above.
- product** - should be the product name. This may be Summary, Status, Mission\_Summary or similar.
- ext** - the same as described above.

(example file name: **report.Operations.200204191200.Summary.html**)



#### ReadyTalk Teleconference Access

Access Code: 4978380  
Phone: 1-866-740-1260  
Web: [www.readytalk.com](http://www.readytalk.com)

#### External Webpages

[EOL PECAN](#)  
[EOL](#)  
[EOL/CDS](#)  
[EOL/FPS](#)

#### Catalog Resources

[Field Catalogs](#)  
[Catalog Users Guide](#)  
[Contact Us](#)

#### Social

[EOL Facebook](#)  
[Mibbit IRC](#)  
Request IRC Password:  
[Contact Us](#)

# Mission Coordinator Display

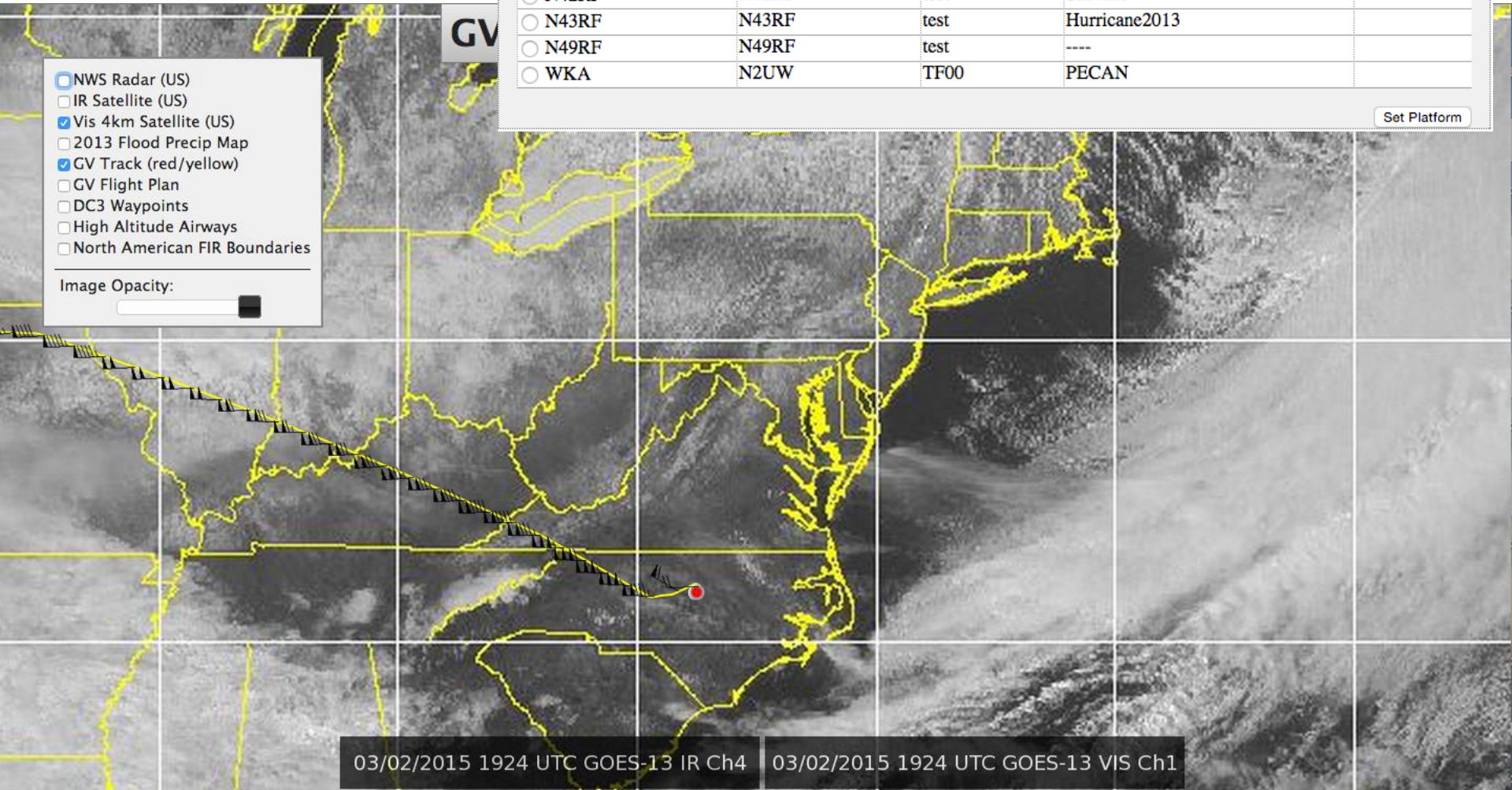
## Platform Chooser

Current Platform: *none*

Please choose a new one below

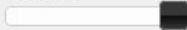
Platform ID	Tail #	Flight #	Projectname	Status
<input type="radio"/> A10	79-0174	test	TEST	
<input type="radio"/> B146	G-LUXE	Transit	CAST	
<input type="radio"/> C130	N130AR	rf08	WINTER	
<input type="radio"/> GV	N677F	ff02	NOREASTER	
<input type="radio"/> N42RF	N42RF	test	SENEX	
<input type="radio"/> N43RF	N43RF	test	Hurricane2013	
<input type="radio"/> N49RF	N49RF	test	----	
<input type="radio"/> WKA	N2UW	TF00	PECAN	

Set Platform



- NWS Radar (US)
- IR Satellite (US)
- Vis 4km Satellite (US)
- 2013 Flood Precip Map
- GV Track (red/yellow)
- GV Flight Plan
- DC3 Waypoints
- High Altitude Airways
- North American FIR Boundaries

Image Opacity:



03/02/2015 1924 UTC GOES-13 IR Ch4

03/02/2015 1924 UTC GOES-13 VIS Ch1

42 11.652N, -81 5.873E

Plane⇒Marker: 313°, 0 nmi

Marker⇒Mouse: 75°, 1106 nmi

Zoom: 6

# Field Catalog Mapping- Upcoming Activities

- Get real-time aircraft track info set up
- Determine additional layers needed for Catalog Maps/Planning
- Complete Planning Tool development (April)
- Work with teams to get DeLorme systems on-line
- Work with PIs to wring out planning tool (April - May)
- Get SMS/DeLorme contact info for all instrument teams



# Field Catalog - Upcoming Activities

- Work with PIs to develop the Product List
- Get Field Catalog on-line (mid-May)
- Training sessions for Users (May)

