

OWLeS Field Catalog

Greg Stossmeister

EOL/Computing Data and Software Facility

*OWLeS Workshop
June 24-25, 2013*

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 Summary
- Facility Status Reports
- Data Analysis Products
- GIS-based display
- Preliminary Data Sharing
- Authoring Tools
- Web-based access



The screenshot shows the DC3 Field Catalog website interface. At the top, there is a header for "DC3 Field Catalog" (Deep Convective Clouds & Chemistry Experiment) dated May-June 2012. Below the header is a navigation menu with links for Catalog Home, Daily Reports, Operational Products, Radar Products, Model/Forecast Products, Research Products, Missions, Tools & Links, Data Access, and Help. A status bar displays UTC time and locations: Boulder, CO (Tues, Aug 14, 4:13 PM), Salina, KS (Tues, Aug 14, 5:13 PM), and Huntsville, AL (Tues, Aug 14, 5:13 PM).

The main content area is divided into several sections:

- Current Reports:** Includes links for Operations Plan of the Day, Facilities Status, and Weather Discussion.
- Tools:** Includes links for Mobile Interface, NEXRAD Interactive Cross-Section, and Multi Panel Display.
- GIS Tools:** Includes a link for Catalog Map (Mobile/Linux).
- Chatrooms:** Includes a link for IRC Chat instant access and a "mibbit" chat icon.
- Help Documentation:** Includes a link for "need password? : getoss at ucar.edu".
- Latest National Radar Mosaic:** A map of the United States showing radar data.
- Current Imagery:** A satellite image of the region.
- General Information:** Includes the DC3 web site, Ops Director Phone (303-800-5454), Operations Status Message (303-800-6254), Teleconference Access Number (1-866-740-1260), and Research Domains (Alabama region, Colorado region, Oklahoma-Texas region).
- Comments:** A link to a comments section.
- Schedule:** Lists the Saturday June 30 SCHEDULE (07:00-10:00 GV Preflight Activities, 08:45 Weather Briefing, 10:00-16:00 GV Calibration Flight), Sunday July 1 SCHEDULE (07:00 RAF group starts packing), and Monday July 2 SCHEDULE (11:00 GV leaves Salina for Colorado).

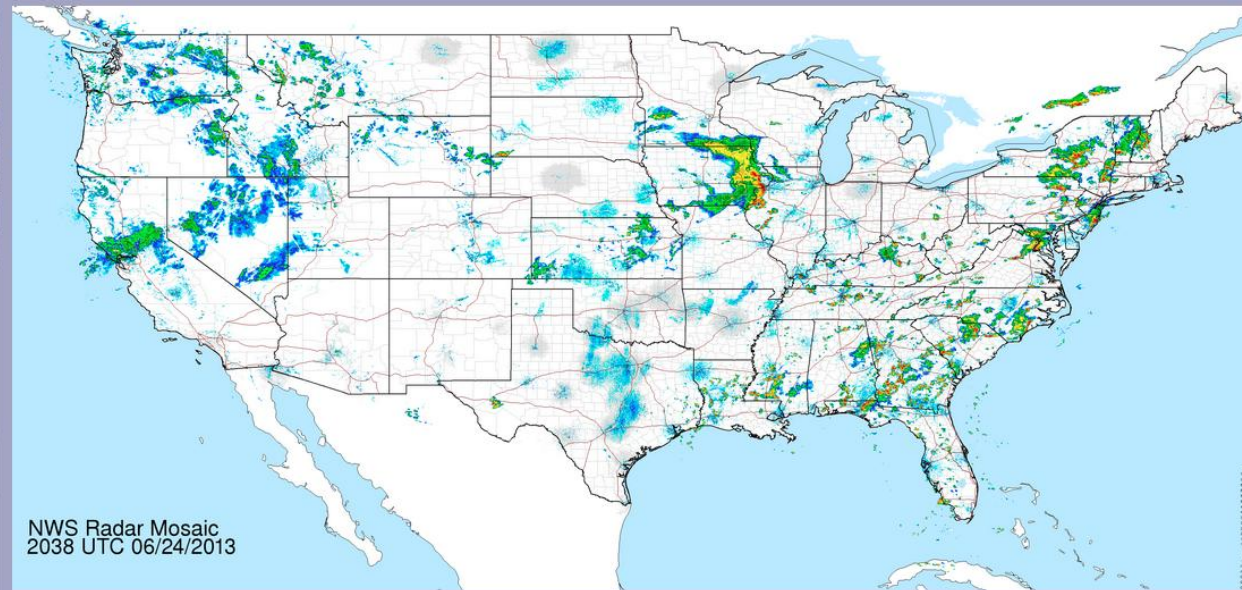
At the bottom of the page, there is a logo for the University Corporation for Atmospheric Research (UCAR) and the text "University Corporation for Atmospheric Research, PO Box 3000 Boulder, CO 80307 USA". A copyright notice at the very bottom reads "Copyright © NCAR/EOL 1994-2012. All Rights Reserved".



MPEX Field Catalog

Mesoscale Predictability Experiment

Latest National Radar Mosaic



NWS Radar Mosaic
2038 UTC 06/24/2013

Current Reports

- Operations Plan of the Day
- Facilities Status Summary
- Weather Discussion

Tools

- Catalog Maps (GIS Tool)
- NEXRAD Interactive X-Section
- Way Point Calculator

Chatrooms

- IRC Chat Access
- Help Documentation
- Get a Password:
catalog@eol.ucar.edu



Project Time

UTC	Mon, June 24, 20:57 Z	Boulder, CO	Mon, June 24, 2:57 PM
-----	-----------------------	-------------	-----------------------



Phone Numbers
 Operations Center: 303-497-2019
 Operations Status Message: 303-497-1040
 Teleconference: 1-866-740-1260
 Teleconference: 303-248-0285 (Denver Local)
 Access Code: 4978635

External Webpages
 MPEX
 EOL
 EOL/CDS
 EOL/FPS

Catalog Resources
 Field Catalogs
 Catalog User Guide
 Upload Documents
 Contact Us

Social
 EOL Facebook
 IRC Chat Access
 Request IRC Password:
 catalog@eol.ucar.edu



The Field Catalog is a Communications Tool . . .



TPARC_2008 Operations Plan of the Day

Date of report(UTC): 2008/09/23 23:50

Author of report: Dick Dirks

Submitted at: 2008/09/24 00:37

Revised at(UTC): 2008/09/24 19:33

Operations Summary:

The P-3,C-130 and Falcon are all down today.

The C-130 is scheduled to fly tomorrow, 25 September(Guam,Japan LT).

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	Guam LT	MRY LT
Flt Plan	1200UTC 24 Sep	2200 25 Sep	0500 24 Sep
Go/no go	1300UTC 24 Sep	2300 25 Sep	0600 24 Sep
Science Brf/			
Crew alert	1300UTC 24 Sep	2300 25 Sep	0600 24 Sep
Crew brief	1400UTC 24 Sep	0000 25 Sep	0700 24 Sep
C-130 T/O	1700UTC 24 Sep	0300 25 Sep	1000 24 Sep
C130 land	0000UTC 25 Sep	1000 25 Sep	1700 24 Sep
Debrief	0100UTC 25 Sep	1100 25 Sep	1800 24 Sep

Schedule for the NRL P-3 in the next 24 hours;

Event	UTC	Guam LT	MRY LT
Science Brf	1700UTC 24 Sep	0300 25 Sep	1000 24 Sep
Crew Brief	1700UTC 24 Sep	0300 25 Sep	1000 24 Sep
NRL P-3 T/O	2000UTC 24 Sep	0600 25 Sep	1300 24 Sep
p-3 land	0400UTC 25 Sep	1400 25 Sep	2100 24 Sep
Debrief	0500UTC 25 Sep	1500 25 Sep	2200 24 Sep

C-130 requires flight tracks 5 or more hours before take off and a go/no go decision 3.5 hours before launch. Preflight science briefing will be 3 hours in advance of each aircraft departure. Preflight operational brief will be two hours in advance of departure of each aircraft.

Driftsonde operations continue. Flight #13 is operational and is located at,16.8N, 163.5E, at 19.9km altitude, Flight #14 is operational and is located at 20.5N, 171.0E, at 21.6km altitude, Flight #15 is operational and is located at 18.9N, 170.4W, at 27.1km altitude. Flight #16 was launched at 1557UTC, 23 Sept.

The Daily Planning Meeting will be at the regular time:

DPM	2300UTC 24 Sept	0900 25 Sept	1600 24 Sept
-----	-----------------	--------------	--------------

SCIENTIFIC OBJECTIVE(S):

Structure change in TCS-047 southwest of Guam

MISSION PLANS:

PRIMARY MISSION:

PREDICT Weather Discussion

Date(UTC): 2010/09/24 14:
Author: Archambault/Evans
Submitted at(UTC): 2010/09/24 19:49

Current Conditions/Review of Yesterday's Forecast:

Synoptic Overview: The synoptic features of note across North America and the North Atlantic basin as of 1215 UTC 24 Sep are denoted on the CIMSS upper-level winds and water vapor satellite imagery analysis ([image 1](#)). A strong anticyclone is centered near Cuba in the northwestern Caribbean. This feature is collocated with relatively dry air as noted by the local minimum in total precipitable water (TPW) on the latest MIMIC TPW analysis (not shown). To its north, a broad, amplifying ridge extends poleward over the eastern U.S., downstream of a deepening central U.S. trough. On the southern periphery of the northwestern Caribbean anticyclone, TS Matthew (PGI46L) is moving westward amid strong easterly flow (deep-layer easterly vertical wind shear ~20 kt). A persistent upper-level cutoff low over Hispaniola east of the northwestern Caribbean anticyclone may be aiding upper-level outflow above ongoing disorganized convection over the central/eastern Caribbean.

Northeast of the Hispaniola upper-level cutoff low, an upper-level ridge extends from west to east into the central Atlantic. To the south and east of this ridge, a large swath of deep-layer easterlies extends over much of the tropical Atlantic. TS Lisa (PGI45L), which has regenerated somewhat since yesterday, is drifting northward over the eastern Atlantic along a weakness between the ridge over the central Atlantic and a second ridge over Africa. North of Lisa, a broad trough with embedded vortices is inducing southwesterly flow over the subtropical eastern Atlantic along which tropical moisture is being transported toward the Iberian Peninsula (see TPW analysis, not shown).

Inspection of the large-scale flow pattern at low levels ([image 2](#)) reveals a broad anticyclone stretching from the eastern U.S. to the central North Atlantic. In between two other anticyclones over western Africa and the tropical eastern Atlantic, respectively, an area of west-southwest to east-northeast elongated cyclonic flow is present. Several areas of disorganized cyclonic relative vorticity are located within this envelope of cyclonic flow to the west of TS Lisa.

Discussion of TS Matthew (PGI46L) and TS Lisa (PGI45L) follows below:

Matthew (PGI46L): As of 1500 UTC, Tropical Storm Matthew was located near 14.4 N, 82.2 W. This position is 80 mi east-southeast of the Nicaragua/Honduras border. Current intensity is 45 kt/1001 hPa. While SSTs remain near 30 C, CIMSS vertical wind shear analysis and the 1200 UTC SHIPS diagnostic indicate 15-20 kt of easterly vertical wind shear atop the cyclone ([image 3](#)). Despite the appearance of a fairly symmetric CDO with good transverse banding at upper levels on conventional satellite imagery ([image 4](#), upper panels), microwave imagery ([image 4](#), lower panels) show that this easterly vertical wind shear has resulted in a displacement of the deep convective activity to the south and west of the center of the storm. Further confirmation of this comes from a recent G-V dropsonde just northeast of the center of the storm highlighting a potential displacement of the upper tropospheric vortex slightly to the southwest of the surface center (not shown). Though further analysis is needed, it seems likely that this easterly vertical wind shear held Matthew's intensity in check overnight despite an otherwise favorable dynamic and thermodynamic environment.

Lisa (PGI45L): Over the far eastern North Atlantic, tiny TS Lisa has regenerated somewhat in the past 24 h and is presently a weak tropical storm with a current intensity of 40 kt/1000 hPa. Lisa is located at 18.9 N, 27.8 W and is moving northward at 6 kt. Microwave imagery from an SSMIS overpass at 0845 UTC this morning ([image 5](#)) indicated that the CDO apparent on

TTPARC_2008 Facilities Status Report

Date of report(UTC): 2008/10/03 22:20

Author of report: Dick Dirks

Submitted at(UTC): 2008/10/03 22:22

OVERVIEW:

P-3 is operational. Wind lidar down, possibly up 5 Oct.

Falcon flight operations were completed yesterday.

C-130 flight operations have been completed.

Driftsonde operations have been completed.

FACILITY STATUS

■ = up; ■ = provisional; ■ = down ; ■ = no report

1. NRL P-3 (Remaining flight hrs: ~20)	Comment: last flight day 5 Oct.
a. ELDORA Radar	Comment:
b. ONR Wind Lidar	Comment: power supply problem, repairs underway
c. Dropsonde System	Comment:
d. Data System	Comment:
e. Communications	Comment:
2. USAF C-130 (Remaining flight hrs:)	Comment: Flight operations completed
a. Dropsonde System	Comment:
b. Data System	Comment:
c. Communications	Comment:
d. Radar Recording	Comment:
e. AXBT System	Comment:
3. DLR(D-CMET) Falcon (Remaining flight hrs:)	Comment: Flight operations completed
a. Water Vapor Lidar	Comment:
b. Doppler Wind Lidar	Comment:
c. Dropsonde System	Comment:
d. Data System	Comment:
e. Communications	Comment:
4. DOTSTAR (Remaining flight hrs: ~4)	Comment:
a. Dropsonde System	Comment:
5. Driftsonde Operations	Comment: All operations have been completed,
a. Dropsonde System	Comment:
b. Gondola	Comment:
c. Launch Site	Comment:
6. Operations Centers	Comment: All operational
a. Monterey	Comment:

**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 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 patterns generally included two levels in the subcloud



TPARC/TCS-08 Field Catalog

2008 Field Season

Catalog Home

Daily Reports

Operational Products

Model/Forecast Products

Research Products

Missions

Tools & Links

Catalog Tools

- [Report Generation Forms](#)
(password needed to access)
- [Upload documents and images](#)
(password needed to access)

Catalog Information

- [Field Catalog Users Guide](#)

Project Information

[TPARC Project Homepage](#)

Chat Information

- [X-chat instant access](#)
- [Chat Room Guidelines](#)
- [Chat Client Configuration Instructions](#)
- [Primer-Everything you need to know about CHAT](#)

Driftsonde Movies

- [Launch of Flight #15](#)

Contact Information

- [TPARC 2008 Operations Center](#)

Operations: 831-656-3569
Operations Coordinator: (303) 818-9400
DriftSonde Operations: 831-656-XXXX

- [West Pac Coordination Center](#)

TPARC/TCS08 Guam Center (671) 653-0235 and 0236
Guam EOL Coordinator: (671) 689-1468
USAF C-130 Coordinator: (671) 689-1376
USAF (Dave Borsi-Hangar 4)(671) 366-8096
C130 Coord (P Black) (671) 689-1386
C-130 Scientist (D Jorgensen) (671) 878-8036
P3 Science (Dave Raymond) (671) 878-6839
EOL Sys Admin (671) 878-6703
NRL P3 Point of Contact (LCdr Brown) (671) 689-1458

- [NCAR/EOL Guam Staff Directory](#) UPDATED
(PDF version)

Additional Data Sources

- [NRL Tropical Cyclones Page](#)
- [NRL T-PARC / TCS-08 Web Site](#)
- [NEXSAT Imagery](#)
- [LLDN Lightning Maps](#)
- [JTWC Page](#)
- [COAMPS Model Page](#)
- [CIMSS TPARC Satellite Page](#)
- [NPS Briefing Web site](#)
- [NWS Guam](#)
- [JMA TPARC website](#)
- [DOTSTAR Web Site](#)
- [CHIPS Track and Intensity Forecasts](#)

Operational Model Data Coverage



- Catalog Home
- Daily Reports
- Operational Products
- Model/Forecast Products
- Research Products
- Missions
- Tools & Links

Resource Usage Summaries | [Flight Ops Range Rings](#)

Date (UTC)	DLR Falcon status	Driftsonde status	NRL P-3 status	USAF C130 plan of the day	dlr falcon mission summary	driftsonde operations	facilities status summary	forecast brief	forecast graphic	nrl p-3 mission summary	ops plan of the day	usaf c130 mission summary	weather model verification	weather summary	weather targeting blog
2008/10/30													18:15		
2008/10/05			07:26												
2008/10/04			21:06								00:19		19:44		
2008/10/03			10:31				00:37 22:20	22:23	22:23	22:24	00:42		20:06	20:39	
2008/10/02											00:10		21:22	23:00	15:06
2008/10/01	23:12		23:05		05:25		22:22	22:41	22:42		00:01		22:32	23:00	15:06
Date (UTC)	DLR Falcon status	Driftsonde status	NRL P-3 status	USAF C130 plan of the day	dlr falcon mission summary	driftsonde operations	facilities status summary	forecast brief	forecast graphic	nrl p-3 mission summary	ops plan of the day	usaf c130 mission summary	weather model verification	weather summary	weather targeting blog
2008/09/30			00:09 23:41				22:43	22:29	22:29		00:03		20:44	19:53 21:29 23:00	14:51 15:53
2008/09/29		10:00 22:00			03:50 22:20		22:51	22:38	22:39		00:07		20:36	20:48 23:00	15:14 15:40
2008/09/28	23:07	10:00 22:00	00:55 23:15		03:10		22:00	22:43 22:47	22:41 22:43 22:46		00:33		21:36	20:50 23:00	13:22 20:55
2008/09/27		10:00 22:00	00:11 06:05				22:57	22:11 22:34 22:56	22:12 22:35 23:00		00:02	02:08	20:56	21:15 23:00	13:29 20:53
2008/09/26	23:30	10:00 22:00	00:20	04:15			21:10	22:26 22:34	22:30 22:35	20:08	00:03		20:27	21:14 23:00	11:37 22:30
2008/09/25	07:37 14:33	10:00 22:00	10:18	07:06		17:30	22:14	22:35 22:43	22:37 22:43	22:08	00:11	20:03	20:51	21:10 23:00	14:50 22:27 23:33
2008/09/24		10:00 22:00	00:08	08:16			22:36	21:47 22:31	21:49 22:33	20:15		17:13	20:02	21:12 23:00	15:10 15:34 22:00
2008/09/23		10:00 22:00	00:08	00:38		19:56	22:48	22:30 23:58	22:31 22:33 23:58	00:12	00:37 23:50		20:45	20:32 21:28 23:00	14:23 15:08
2008/09/22		10:00 22:00	01:31			19:24	22:20	19:19 20:36	18:58 20:35		00:26		19:29	20:47 23:00	13:28 15:26 22:00
2008/09/21	06:21 06:49	10:00 22:00	02:35	12:23		18:55	22:07	17:03 21:08	17:02 21:08	22:35	00:38		19:53	20:42 20:53 23:00	14:08 14:53
2008/09/20	05:06	10:00 22:00	01:16 23:11	21:53	22:05	19:17	21:55	22:49	22:48	02:35	00:46	01:56	18:57	21:10 23:00	16:22 16:30 22:00
2008/09/19	16:55	10:00 22:00	01:52 09:58	03:34			20:37	22:28 22:46	22:31 22:49	00:15	00:49	00:53	20:06	20:56 23:00	12:03 16:03
2008/09/18		10:00 22:00	00:09 08:38	09:19	03:25 22:35	22:44	22:36	22:39 22:50	22:39 22:50		00:37		19:55	20:46 23:00	13:11 15:25
2008/09/17		10:00 22:00	06:37	02:44	03:20	21:09	22:04	22:01 22:34	22:04 22:36	22:39	00:20	22:24	20:28	21:33 23:00	15:02 16:05
2008/09/16		10:00 22:00	23:15	03:45		19:31	17:22 22:25	15:42 22:14 22:33	15:44 22:13 22:33	20:53	01:01	20:44	20:54	21:22 23:00	13:23 15:15
2008/09/15		10:00 22:00	03:03	17:30	21:35		22:32	00:05 21:36 23:05	21:35 23:05				20:51	21:17 23:00	14:16 15:38

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
09:13 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
09:33 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
09:50 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
10:08 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

The Field Catalog is a Real-time Decision Making Tool ..



Available Operational Products for 2010/05/28 UTC

◀ [Previous Date\(UTC\)](#) [Next Date\(UTC\)](#) ▶

Satellite Products

Product Times(UTC)	28 May 2010																								☰ ☷ ↓
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
goes-13																									
4km_ch1_vis ☰	0015 0045	0102 0115 0132 0145	0202 0215 0232 0245	0315 0332						0932 0945	1002 1015 1032 1045	1102 1115 1132 1145	1215 1232 1245	1302 1315 1332 1345	1402 1415 1432 1445	1515 1545	1602 1615 1632 1645	1702 1715 1732 1745	1815 1832 1845	1902 1915 1932 1945	2002 2015 2032 2045	2115 2132 2145	2202 2215 2232 2245	2302 2315 2332 2345	☰ ☷ ↓
4km_ch3_water_vapor ☰	0015 0045	0102 0115 0132 0145	0202 0215 0232 0245	0315 0332 0345	0402 0415 0432 0445	0502 0515 0532 0545	0615 0632 0645	0702 0715 0732 0745	0802 0815 0832 0845	0915 0932 0945	1002 1015 1032 1045	1102 1115 1132 1145	1215 1232 1245	1302 1315 1332 1345	1402 1415 1432 1445	1515 1545	1602 1615 1632 1645	1702 1715 1732 1745	1815 1832 1845	1902 1915 1932 1945	2002 2015 2032 2045	2115 2132 2145	2202 2215 2232 2245	2302 2315 2332 2345	☰ ☷ ↓
4km_ch4_thermal-IR ☰	0015 0045	0102 0115 0132 0145	0202 0215 0232 0245	0315 0332 0345	0402 0415 0432 0445	0502 0515 0532 0545	0615 0632 0645	0702 0715 0732 0745	0802 0815 0832 0845	0915 0932 0945	1002 1015 1032 1045	1102 1115 1132 1145	1215 1232 1245	1302 1315 1332 1345	1402 1415 1432 1445	1515 1545	1602 1615 1632 1645	1702 1715 1732 1745	1815 1832 1845	1902 1915 1932 1945	2002 2015 2032 2045	2115 2132 2145	2202 2215 2232 2245	2302 2315 2332 2345	☰ ☷ ↓
northeast_1km_ch1_vis ☰	0015 0045	0102 0115 0132 0145	0202								1002 1015 1032 1045	1102 1115 1132 1145	1215 1232 1245	1302 1315 1332 1345	1402 1415 1432 1445	1515 1545	1602 1615 1632 1645	1702 1715 1732 1745	1815 1832 1845	1902 1915 1932 1945	2002 2015 2032 2045	2115 2132 2145	2202 2215 2232 2245	2302 2315 2332 2345	☰ ☷ ↓
northwest_1km_ch1_vis ☰	0015 0045	0102 0115 0132 0145	0202 0215 0232								1002 1015 1032 1045	1102 1115 1132 1145	1215 1232 1245	1302 1315 1332 1345	1402 1415 1432 1445	1515 1545	1602 1615 1632 1645	1702 1715 1732 1745	1815 1832 1845	1902 1915 1932 1945	2002 2015 2032 2045	2115 2132 2145	2202 2215 2232 2245	2302 2315 2332 2345	☰ ☷ ↓
southeast_1km_ch1_vis ☰	0015 0045	0102 0115 0132 0145									1002 1015 1032 1045	1102 1115 1132 1145	1215 1232 1245	1302 1315 1332 1345	1402 1415 1432 1445	1515 1545	1602 1615 1632 1645	1702 1715 1732 1745	1815 1832 1845	1902 1915 1932 1945	2002 2015 2032 2045	2115 2132 2145	2202 2215 2232 2245	2302 2315 2332 2345	☰ ☷ ↓
southwest_1km_ch1_vis ☰	0015 0045	0102 0115 0132 0145	0202 0215								1002 1015 1032 1045	1102 1115 1132 1145	1215 1232 1245	1302 1315 1332 1345	1402 1415 1432 1445	1515 1545	1602 1615 1632 1645	1702 1715 1732 1745	1815 1832 1845	1902 1915 1932 1945	2002 2015 2032 2045	2115 2132 2145	2202 2215 2232 2245	2302 2315 2332 2345	☰ ☷ ↓

Upper Air Products

Product Times(UTC)	28 May 2010																								☰ ☷ ↓	
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
Constant Pressure (NCAR/RAP Upper Air)																										
200_mb_chart ☰	0000												1200													☰ ☷ ↓
250_mb_chart ☰	0000												1200													☰ ☷ ↓
300_mb_chart ☰	0000												1200													☰ ☷ ↓
500_mb_chart ☰	0000												1200													☰ ☷ ↓
700_mb_chart ☰	0000												1200													☰ ☷ ↓
850_mb_chart ☰	0000												1200													☰ ☷ ↓
925_mb_chart ☰	0000												1200													☰ ☷ ↓
Profiler (Interactive Site Map NOAA Profiler Products)																										
Conway_MO ☰	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	☰ ☷ ↓	
Dequeen_AR ☰	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	☰ ☷ ↓	
Fairbury_NE ☰	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	☰ ☷ ↓	
Granada_CO ☰	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	☰ ☷ ↓	
Haskell_OK ☰	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	☰ ☷ ↓	
Haviland_KS ☰	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	☰ ☷ ↓	
Hillsboro_KS ☰	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	☰ ☷ ↓	
Jayton_TX ☰	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	☰ ☷ ↓	
Lamont OK ☰	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	☰ ☷ ↓	

Low Bandwidth Interface

DYNAMO Operational products

Go to: [report](#) [ops](#) [model](#) [research](#) [tools and links](#) [forums](#)

Browse by Date: [20111031](#)

UTC CST

Browse by latest Operational Products:

Satellite Products

CPC_QMORPH	<input type="text" value="30min_Precipitation"/>	<input type="button" value="retrieve product"/>
TMI	<input type="text" value="3_day_avg_atmos_water_vapor"/>	<input type="button" value="retrieve product"/>
ASCAT	<input type="text" value="DYNAMO_NE_winds_ascending"/>	<input type="button" value="retrieve product"/>
AMSRE	<input type="text" value="3_day_avg_atmos_water_vapor"/>	<input type="button" value="retrieve product"/>
NOAA_POES	<input type="text" value="SST"/>	<input type="button" value="retrieve product"/>
CSU_SSTWIND	<input type="text" value="wind_over_sst"/>	<input type="button" value="retrieve product"/>
IMD_Kalpana-1	<input type="text" value="Cloud_Motion_Vectors"/>	<input type="button" value="retrieve product"/>
METEOSAT7	<input type="text" value="ch10_water_vapor"/>	<input type="button" value="retrieve product"/>
CSU_IRWIND	<input type="text" value="wind_over_ir"/>	<input type="button" value="retrieve product"/>
AVISO	<input type="text" value="merged_absolute_dynamic_topography"/>	<input type="button" value="retrieve product"/>
CIMSS_MIMIC	<input type="text" value="TPW"/>	<input type="button" value="retrieve product"/>
CPC_CMORPH	<input type="text" value="Daily_Precipitation"/>	<input type="button" value="retrieve product"/>
METEOSAT7_AMV	<input type="text" value="850_mb_vorticity"/>	<input type="button" value="retrieve product"/>
UM_CLOUD_TRACKING	<input type="text" value="IR_cluster_image"/>	<input type="button" value="retrieve product"/>

Upper Air Products

Marsupial Guidance Forecast Products

Forecast Times(UTC)	25 Sep 2008				26 Sep 2008				27 Sep 2008				28 Sep 2008		
	00	06	12	18	00	06	12	18	00	06	12	18	00	12	
MTM_ECMWF - Analysis and Forecast from 2008/09/25 00:00 UTC (The Marsupial Paradigm)															
TCS048_71mb_hovmoller	000hr														
TCS048_850mb_hovmoller	000hr														
TCS048_925mb_hovmoller	000hr														
TCS048_SH	000hr	006hr	012hr	018hr	024hr	030hr	036hr	042hr	048hr	054hr	060hr	066hr	072hr		
TCS048_okubo_weiss	000hr	006hr	012hr	018hr	024hr	030hr	036hr	042hr	048hr	054hr	060hr	066hr	072hr		
TCS048_relative_vorticity	000hr	006hr	012hr	018hr	024hr	030hr	036hr	042hr	048hr	054hr	060hr	066hr	072hr		
TCS048_vertical_cross_section	000hr	006hr	012hr	018hr	024hr	030hr	036hr	042hr	048hr	054hr	060hr	066hr	072hr		
MTM_GFS - Analysis and Forecast from 2008/09/25 12:00 UTC (The Marsupial Paradigm)															
TCS048_700mb_hovmoller			000hr												
TCS048_850mb_hovmoller			000hr												
TCS048_925mb_hovmoller			000hr												
TCS048_TPW			000hr	006hr	012hr	018hr	024hr	030hr	036hr	042hr	048hr		060hr	072hr	
TCS048_okubo_weiss			000hr	006hr	012hr	018hr	024hr	030hr	036hr	042hr	048hr		060hr	072hr	
TCS048_relative_vorticity			000hr	006hr	012hr	018hr	024hr	030hr	036hr	042hr	048hr		060hr	072hr	
TCS048_vertical_cross_section			000hr	006hr	012hr	018hr	024hr	030hr	036hr	042hr	048hr		060hr	072hr	
MTM_NOGAPS - Analysis and Forecast from 2008/09/25 00:00 UTC (The Marsupial Paradigm)															
TCS048_700mb_hovmoller	000hr														
TCS048_850mb_hovmoller	000hr														
TCS048_925mb_hovmoller	000hr														
TCS048_RH	000hr	006hr	012hr	018hr	024hr	030hr	036hr	042hr	048hr	054hr	060hr	066hr	072hr		
TCS048_okubo_weiss	000hr	006hr	012hr	018hr	024hr	030hr	036hr	042hr	048hr	054hr	060hr	066hr	072hr		
TCS048_relative_vorticity	000hr	006hr	012hr	018hr	024hr	030hr	036hr	042hr	048hr	054hr	060hr	066hr	072hr		
TCS048_vertical_cross_section	000hr	006hr	012hr	018hr	024hr	030hr	036hr	042hr	048hr	054hr	060hr	066hr	072hr		
Forecast Times(UTC)	00 06 12 18				00 06 12 18				00 06 12 18				00 12		
	25 Sep 2008				26 Sep 2008				27 Sep 2008				28 Sep 2008		

NRL COAMPS TC Tropical Cyclone Forecast Products

Forecast Times(UTC)	25 Sep 2008								26 Sep 2008								27 Sep 2008								28 Sep 2008					
	00	03	06	09	12	15	18	21	00	03	06	09	12	15	18	21	00	03	06	09	12	15	18	21	00	03	06	09	12	
COAMPS_TC - Analysis and Forecast from 2008/09/25 00:00 UTC																														
19W_10m_winds_grid3	000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr	051hr	054hr	057hr	060hr	063hr	066hr	069hr	072hr					
19W_1kmsradref_grid3		003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr	051hr	054hr	057hr	060hr	063hr	066hr	069hr	072hr					
19W_850windsandvort_grid1	000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr	051hr	054hr	057hr	060hr	063hr	066hr	069hr	072hr					
19W_Forecast_Track	000hr																													
19W_slp_grid1	000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr	051hr	054hr	057hr	060hr	063hr	066hr	069hr	072hr					
19W_slp_grid3	000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr	051hr	054hr	057hr	060hr	063hr	066hr	069hr	072hr					
COAMPS_TC - Analysis and Forecast from 2008/09/25 12:00 UTC																														

Catalog Maps

130614-144800

Hour: 14 Minute: 49
Date / Time Select

Camera Controls

- G-V Forward Camera
@ 2013-06-14 14:48 UTC

Layer Controls

Imagery

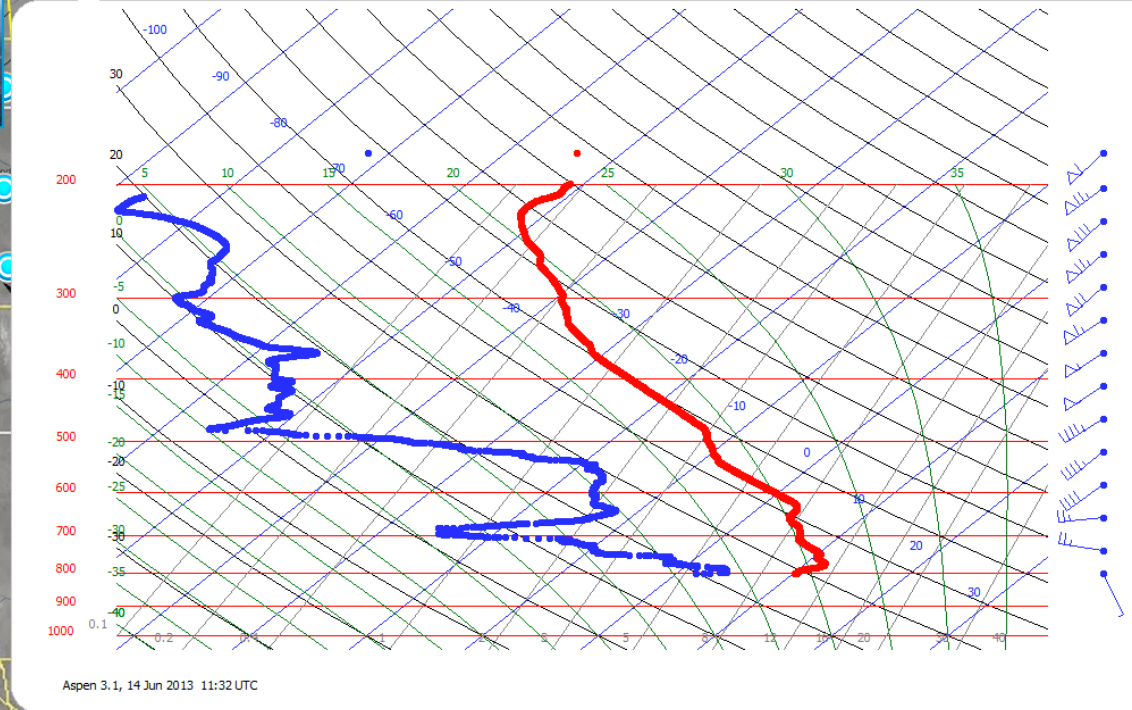
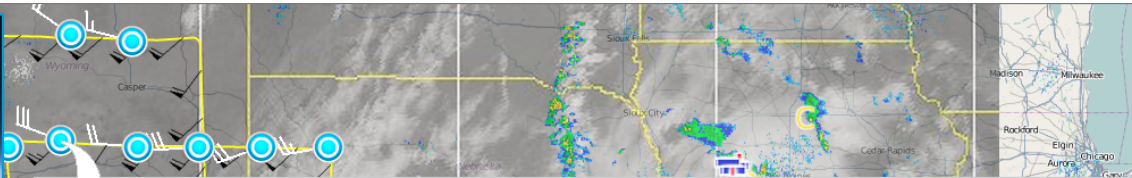
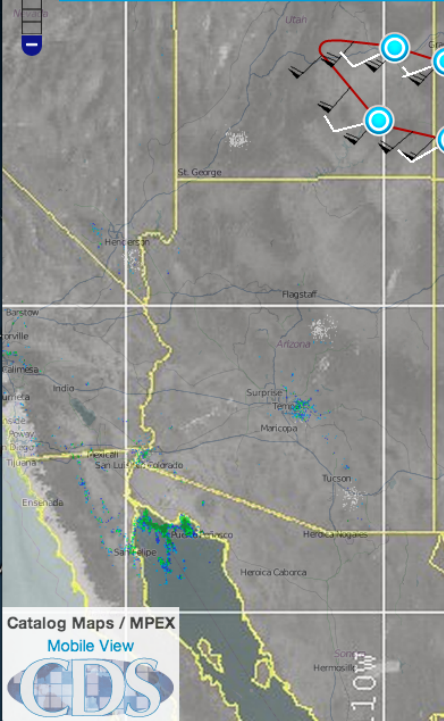
- NEXRAD mosaic
2013-06-14 14:48 UTC
- GOES-13 1km_NGP_ch1_vis
- GOES-13 1km_SGP_ch1_vis
- GOES-13 4km_ch1_vis
- GOES-13 4km_ch4_thermal-IR
- GOES-13 4km_ch3_water_vapor
- GOES-15 1km_NGP_ch1_vis
- GOES-15 1km_SGP_ch1_vis
- GOES-15 4km_ch1_vis
2013-06-14 14:45 UTC
- GOES-15 4km_ch4_thermal-IR
- GOES-15 4km_ch3_water_vapor

KMLs

- NSF/NCAR GV Flight Track
2013-06-14 14:49 UTC
- NSF/NCAR GV Flight Plan
- NSF/NCAR GV Dropsondes 850hPa
- NSF/NCAR GV Dropsondes 700hPa
2013-06-14 14:43 UTC
- NSF/NCAR GV Dropsondes 500hPa
- NSF/NCAR GV Dropsondes 400hPa
- NSF/NCAR GV Dropsondes 300hPa
- NSF/NCAR GV Dropsondes 250hPa
- NSF/NCAR GV Drop points

Catalog Maps / MPEX
Mobile View
CDS

Catalog Maps



Hour: 14 Minute: 49

Camera Controls

- G-V Forward Camera
- © 2013-06-14 14:48 UTC

Layer Controls

Imagery

- NEXRAD mosaic
2013-06-14 14:48 UTC
- GOES-13 1km_NGP_ch1_vis
- GOES-13 1km_SGP_ch1_vis
- GOES-13 4km_ch1_vis
- GOES-13 4km_ch4_thermal-IR
- GOES-13 4km_ch3_water_vapor
- GOES-15 1km_NGP_ch1_vis
- GOES-15 1km_SGP_ch1_vis
- GOES-15 4km_ch1_vis
2013-06-14 14:45 UTC
- GOES-15 4km_ch4_thermal-IR
- GOES-15 4km_ch3_water_vapor

KMLs

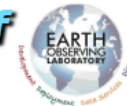
- NSF/NCAR GV Flight Track
2013-06-14 14:49 UTC
- NSF/NCAR GV Flight Plan
- NSF/NCAR GV Dropsondes 850hPa
- NSF/NCAR GV Dropsondes 700hPa
2013-06-14 14:43 UTC
- NSF/NCAR GV Dropsondes 500hPa
- NSF/NCAR GV Dropsondes 400hPa
- NSF/NCAR GV Dropsondes 300hPa
- NSF/NCAR GV Dropsondes 250hPa
- NSF/NCAR GV Drop points

The Field Catalog is a Post Analysis Tool . . .





Pre-Depression Investigation of Cloud-systems in the Tropics



- Catalog Home
- Daily Reports
- Operational Products
- Model/Forecast Products
- Research Products
- Missions
- Tools & Links
- Data Access
- Help ?

Flight	Date	System	Operations Area	Maximum Intensity During System Lifetime	Catalog Products	GV Dropsonde kmls	DC8 Dropsonde kmls	Flight Summary	Notes
RF01	Aug 15	Disturbance	Western Atlantic	Disturbance	Operational Model Research	Points 1000mb Winds 925mb Winds 850mb Winds 700mb Winds 500mb Winds 250mb Winds		Mission Scientist Summary Science Director Summary	Shakedown/Investigation of stalled frontal boundary and upper tropospheric shear line in the vicinity of the Bahamas.
RF02	Aug 17	PGI27L	Caribbean	Disturbance	Operational Model Research	Points 1000mb Winds 925mb Winds 850mb Winds 700mb Winds 500mb Winds 250mb Winds		Mission Scientist Summary Science Director Summary	First mission into PGI27L which had only recently begun to develop deep convection.
RF03	Aug 18	PGI27L	Caribbean	Disturbance	Operational Model Research	Points 1000mb Winds 925mb Winds 850mb Winds 700mb Winds 500mb Winds 250mb Winds		Mission Scientist Summary Science Director Summary	Second mission into PGI27L during which a large MCS developed in the northeastern part of the flight region.
RF04	Aug 21	PGI30L	Central Atlantic	Disturbance	Operational Model Research	Points 1000mb Winds 925mb Winds 850mb Winds 700mb Winds 500mb Winds 250mb Winds		Mission Scientist Summary Science Director Summary	First mission into PGI30L with weak convective activity. A small area of moderate convection was sampled in the northeastern corner of the lawnmower pattern. Dropsonde data became progressively noisier as flight went on.

Preliminary Data Repository for DC3

To use the DC3 preliminary Data Repository for DC3:

ftp catalog.eol.ucar.edu

This is not an anonymous ftp area, you must login with the correct username and passwd.

If you're not sure about what these are, contact the catalog support person on site or email [gstoss at ucar dot com](mailto:gstoss@ucar.edu).

You may also access this site via a web browser at: <ftp://dc3@catalog.eol.ucar.edu>

To upload files to the repository:

If you are on-site in Salina and your files are large - See the catalog person at the Ops Center for instructions on how to upload your files to the local storage system in Salina.

Otherwise:

1.) ftp catalog.eol.ucar.edu

2.) login with username and password

3.) navigate to appropriate directory:

there are subdirectory by instrument category: aircraft, radar, sounding, lma

you may create new subdirectories if more organization is needed

4.) change to binary mode:

binary

5.) put the file:

put [your_file]

6.) quit FTP session:

quit

When uploading files to the repository, please follow the naming convention described below. This will help everyone know what data is contained in which files.

Data Products File Naming Convention

In the case of products accessed by the 'Data Access' button: data.platform.date.product.extension where

category = 'data'

platform = platform name

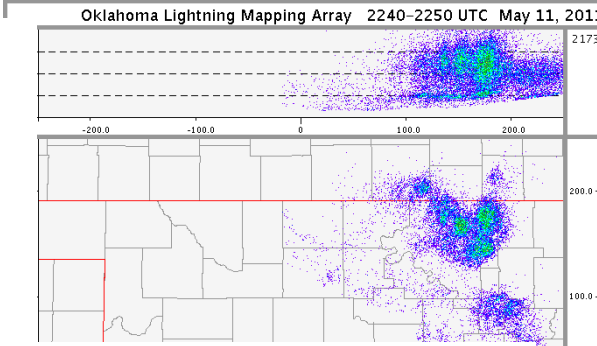
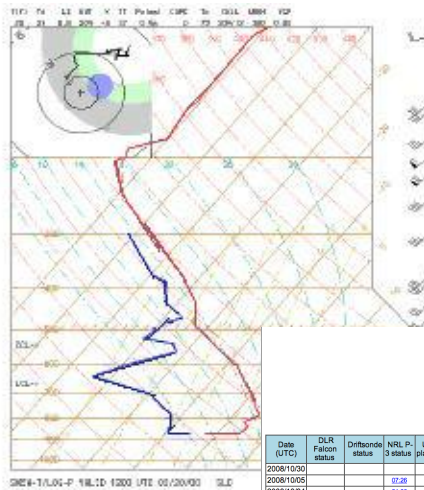
date (YYYYMMDDhhmm) where YYYY=4 digit year, MM=2 digit month(00-12), DD=2 digit day(00-31), hh=2 digit hour (00-23) and mm=2 digit minute(00-59). All dates are in UTC. Every file must have this block.

product = product name

extension = file extension (ie: .txt, .nc)

example filename: data.NCAR-GV.201105022200.flight_data.nc

FIELD CATALOG SAMPLE PRODUCTS

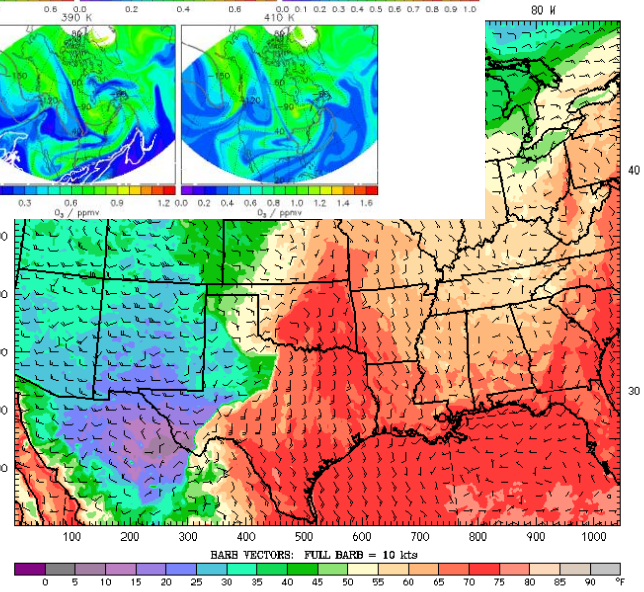
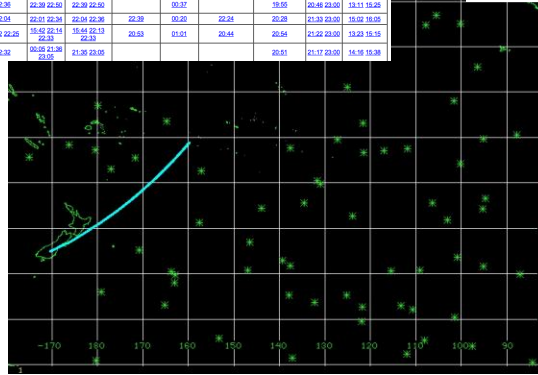
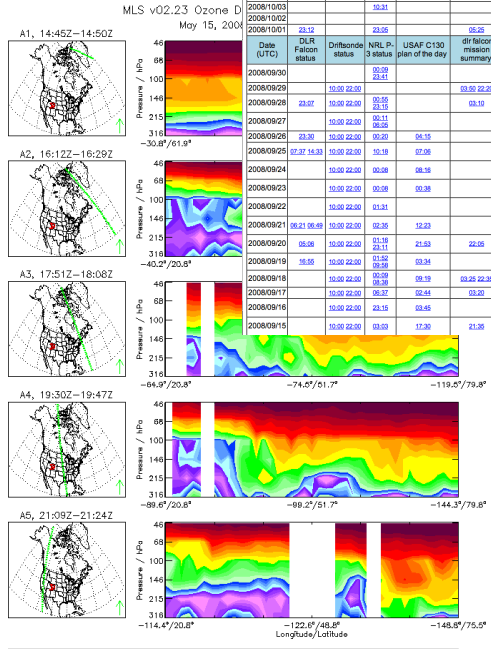
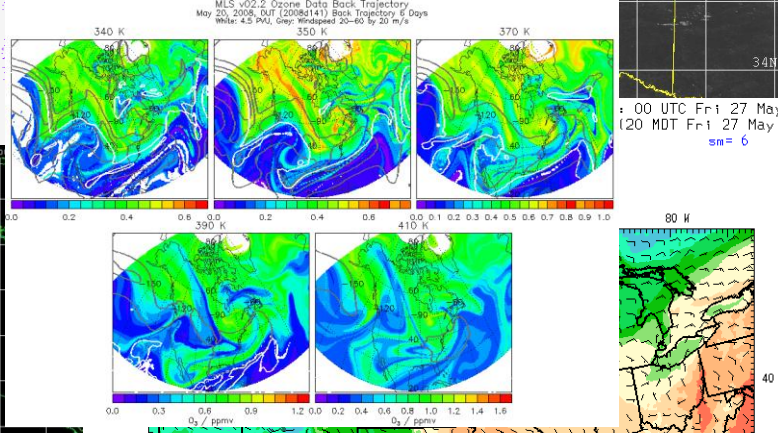
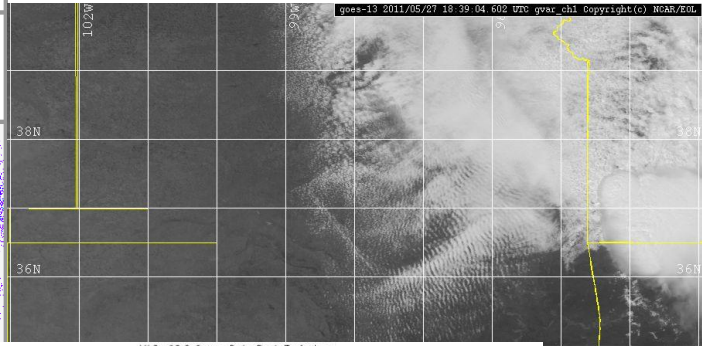


TPARC/TCS-08 Field Catalog
2008 Field Season

Navigation menu: Catalog Home, Daily Reports, Operational Procedures, Model/Facility, Research Frontiers, Missions, Look & Links

Resource Usage Summaries | Flight Ops Range Rings

Date (UTC)	DLR Falcon status	Driftsonde status	NRL P-3 status	USAF C130 plan of the day	dir falcon mission summary	driftsonde operations	facilities status summary	forecast brief	forecast graphic	mt p-3 mission summary	ops plan of the day	usaf c130 mission summary	weather model verification	weather summary	weather targeting blog
20081030															
20081005			07:30												
20081004			21:30												
20081003			05:31					05:37 05:30	02:23	02:23	02:28	05:30	05:42	05:39	
20081002															
20081001	03:12	03:59			05:55			05:37 05:30	02:23	02:23	02:28	05:30	05:42	05:39	
20080930			02:39					05:37 05:30	02:23	02:23	02:28	05:30	05:42	05:39	
20080929		50:50 22:00	02:35		03:50 22:20			05:37 05:30	02:23	02:23	02:28	05:30	05:42	05:39	
20080928	03:07	50:50 22:00	02:35		08:59			05:37 05:30	02:23	02:23	02:28	05:30	05:42	05:39	
20080927		50:50 22:00	02:31					05:37 05:30	02:23	02:23	02:28	05:30	05:42	05:39	
20080926	20:30	50:50 22:00	02:30		06:15			05:37 05:30	02:23	02:23	02:28	05:30	05:42	05:39	
20080925	07:37 16:30	50:50 22:00	02:30		07:06			05:37 05:30	02:23	02:23	02:28	05:30	05:42	05:39	
20080924		50:50 22:00	02:30		08:36			05:37 05:30	02:23	02:23	02:28	05:30	05:42	05:39	
20080923		50:50 22:00	02:30		09:56			05:37 05:30	02:23	02:23	02:28	05:30	05:42	05:39	
20080922		50:50 22:00	01:31		18:25			05:37 05:30	02:23	02:23	02:28	05:30	05:42	05:39	
20080921	05:21 05:49	50:50 22:00	02:30	12:23	18:55			05:37 05:30	02:23	02:23	02:28	05:30	05:42	05:39	
20080920	05:50	50:50 22:00	01:19	12:23	22:06			05:37 05:30	02:23	02:23	02:28	05:30	05:42	05:39	
20080919	19:50	50:50 22:00	01:52 02:59		03:34			05:37 05:30	02:23	02:23	02:28	05:30	05:42	05:39	
20080918		50:50 22:00	02:30		09:19	09:26 02:26	02:41	02:30	02:29 02:26	02:29 02:26	02:30	02:37	02:30	02:29	
20080917		50:50 22:00	02:30		02:41	03:20		05:37 05:30	02:23	02:23	02:28	05:30	05:42	05:39	
20080916		50:50 22:00	02:15		08:31	17:22 02:26	15:45 22:14	15:44 22:13	15:44 22:13	20:53	01:01	20:44	20:54	21:22 20:50	13:25 15:15
20080915		50:50 22:00	03:03	17:30	21:38			05:37 05:30	02:23	02:23	02:28	05:30	05:42	05:39	



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?
- 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?
 - Radar composite: 88D – Canadian and DOW radars



