NOMADSS

I. Operations
II. Coordination
III. Data catalog
IV. Website


Data Center
NOMADSS
Smyrna, TN
PURDUE
SoMAS
STONY BROOK UNIVERSITY
SOAS
Centreville, AL
Tennessee
Mississippi
Alabama
Memphis
Nashville
Chattanooga
Huntsville
Atlanta
Birmingham
Columbus
Montgomery
Tuscaloosa
Jackson
Meridian
Florence
Decatur
Tupelo
Oxford
Corinth
Jasper
Gadsden
Cullman
Rome
Gainesville
Roswell
Peachtree City
Auburn
Prattville
Selma
Greenville
Troy
Eufaula
Albany
Laurel
Canton
Grenada
Bessemer
Hoover
Pulaski
Columbia
Franklin
Clarksville
Murray
Sikeston
Dyersburg
Blytheville
Jackson
Germantown
Southaven
Farragut
Cleveland
Maryville
Springfield

NOMADSS Flight Track Example


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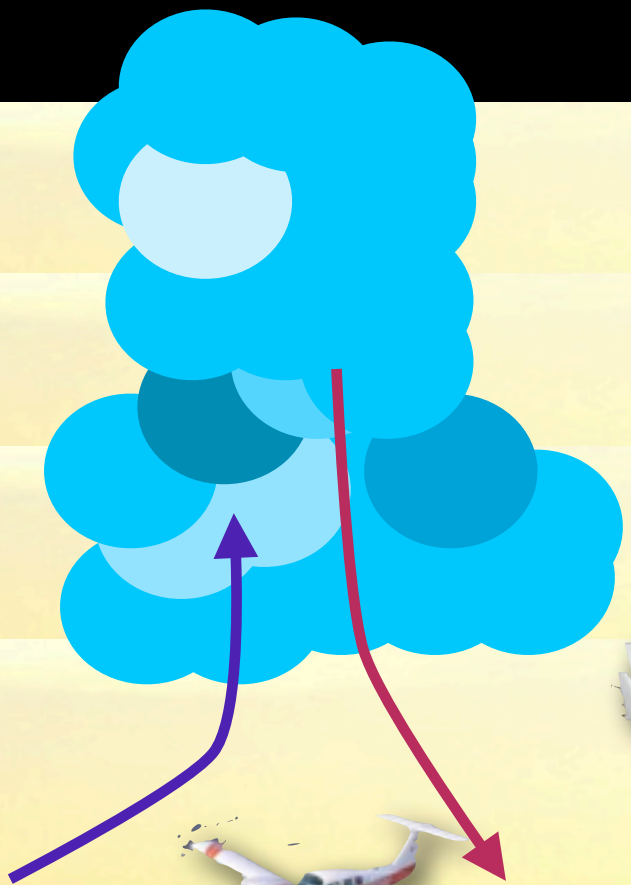
Cleveland
Chattanooga
Decatur
Oxford
Tupelo
Cullman
Rome
Gainesville
Gadsden
Roswell
Atlanta
Grenada
Jasper
Birmingham
Peachtree City
Columbus
Bessemer
Hoover
Tuscaloosa
Canton
Meridian
Selma
Prattville
Auburn
Columbus
Montgomery
Jackson
Greenville
Troy
Eufaula
Laurel
Albany
Farragut
Maryville
75
40
55
78
280

Coordination



MC Display
Xchat
Realtime

Data Center

SOAS
Centreville, AL

Readytalk
Web conferencing

NOMADSS
Smyrna, TN

Coordination

MC Display
Xchat
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NOMADSS
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Coordination

pilot to pilot

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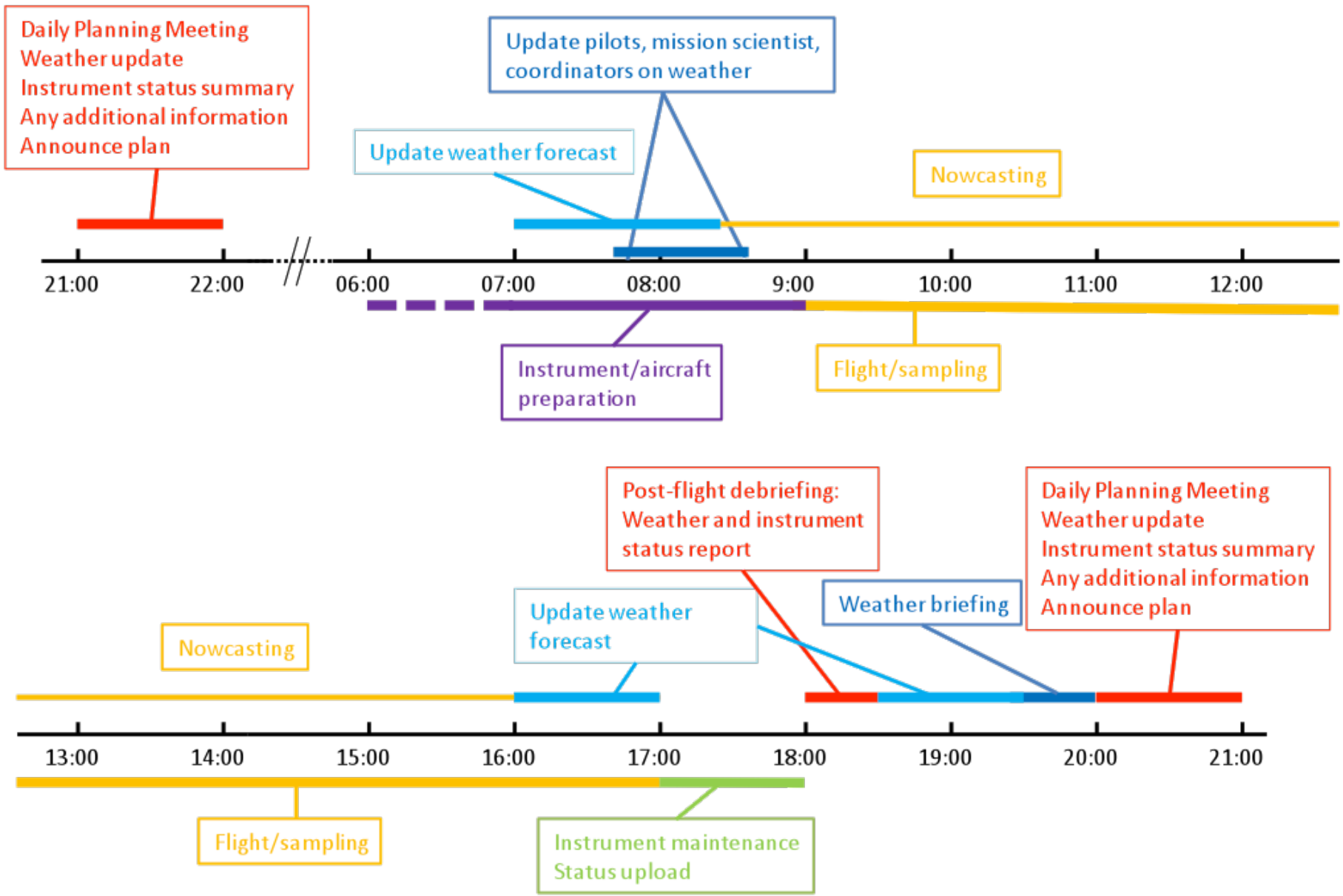
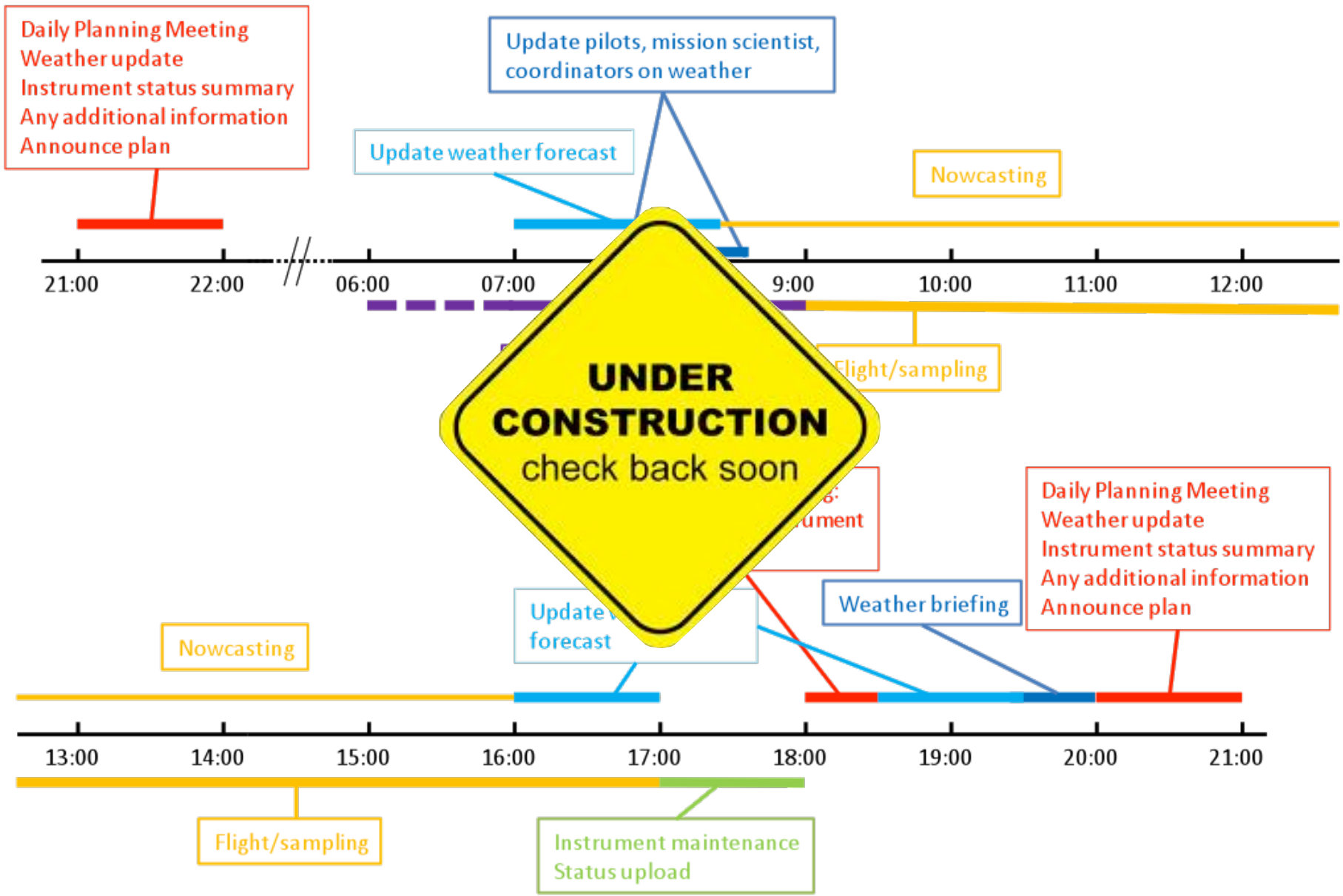
Smyrna, TN

Daily Planning Meeting



Daily Planning Meeting



Data Catalog

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

Home | Daily Reports | Ops Products | Model Products | Research Products | Missions | Tools & Links | Data Archives

67 ms 7 queries

NOMADSS/SOAS Field Catalog

Project Time

UTC	2013-03-08 21:39:35 UTC
Boulder, CO	2013-03-08 14:39:35 -0700
Salina, KS	2013-03-08 15:39:35 UTC

Current Reports

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

Tools

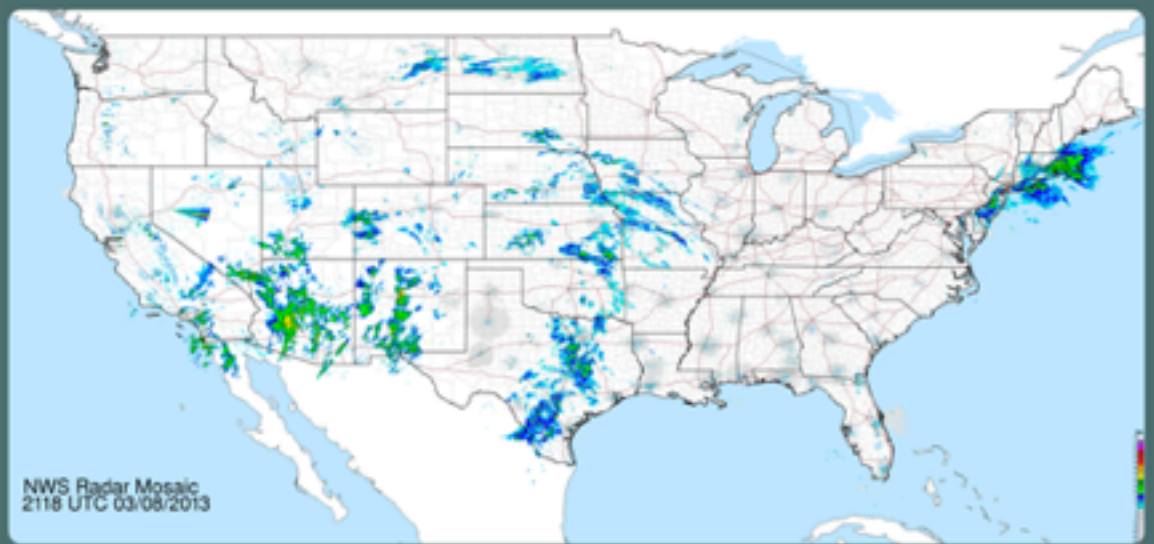
- Catalog Maps (GIS Tool)
- Mobile Interface
- NEXRAD Interactive X-Section
- Multi-Panel Display
- Way Point Calculator

Chatrooms

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

mibbit

Latest Radar Imagery



Daily Schedule

Saturday, June 30th Schedule: (All Times Mountain Daylight)

07:00 - 10:00	GV Preflight Activities
08:45	Weather Briefing
10:00 - 16:00	GV Calibration Flight
12:00 - 12:30	Lunch Break
14:00 - 16:00	Cruising in the GV

EARTH OBSERVING LABORATORY

Phone Numbers
Operations Director: 303-800-5454
Operations Status Message: 303-800-6254
Teleconference: 1-866-740-1260
Access Code: 4978380

External Webpages
DYNAMO
E & O
EOL
EOL/CDS
EOL/FPS

Catalog Resources
Field Catalogs
Catalog Users Guide
Upload Documents
Contact Us

Social
EOL Facebook
Mibbit IRC
Request IRC Password:
gstoss at ucar dot edu

CDS

NCAR
UCAR

NOMADSS/SOAS Field Catalog

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		18:04	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

NOMADSS/SOAS 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:

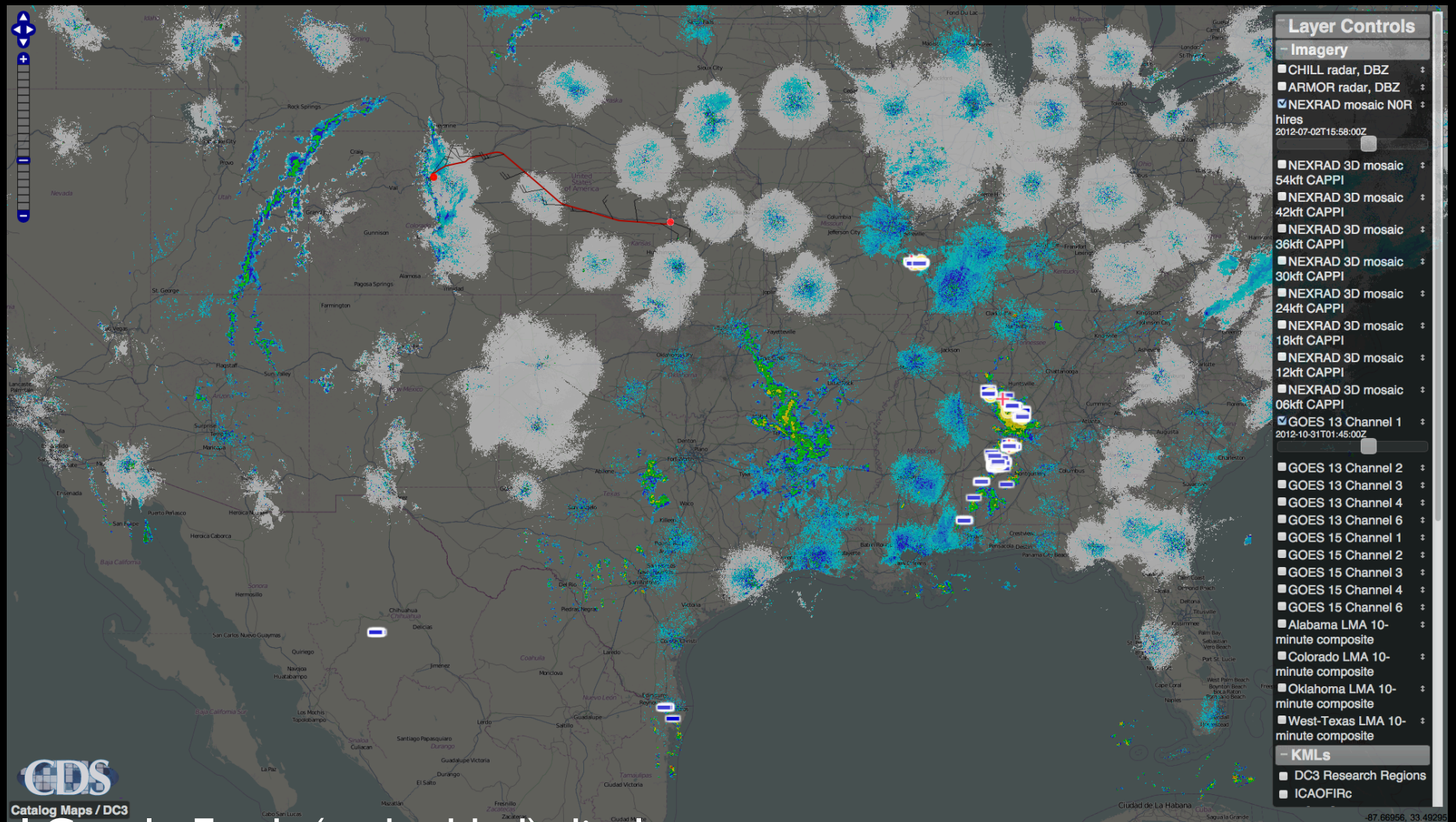
```
P-3 is operational. Wind lidar down, possibly up 5 Oct.

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

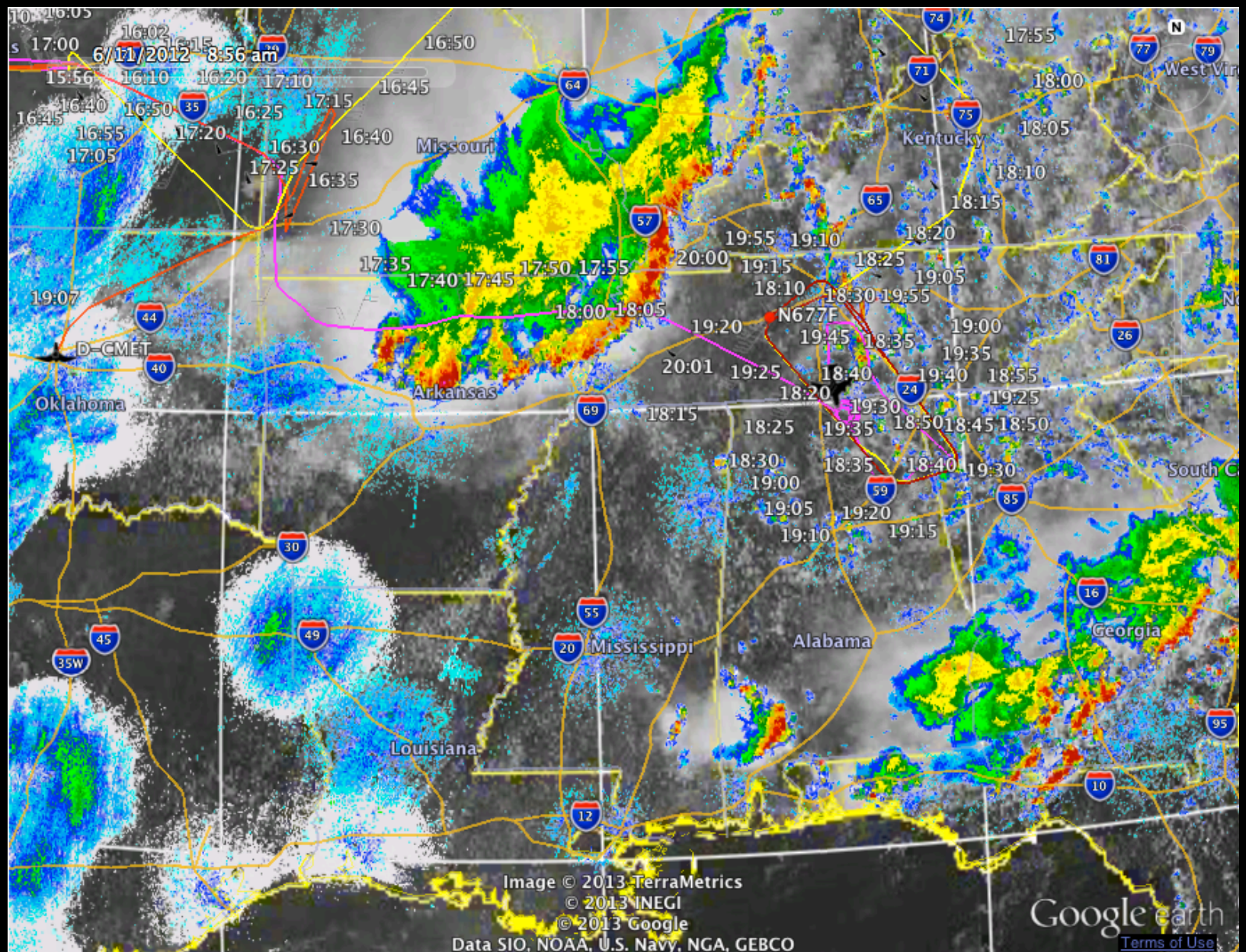
1.	**NRL P-3** (Remaining flight hrs: ~20)	**Comment:** last flight day 5 Oct.
a.	**ELDORA Radar**	**Comment:**
b.	**ONR Wind Lidar**	**Comment:** power supply problem, repairs underway
c.	**Dropsonde System**	**Comment:**
d.	**Data System**	**Comment:**
e.	**Communications**	**Comment:**
2.	**USAF C-130** (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:**

GIS Tools



I. Goggle Earth (embedded) display
II. Mobile devices
III. Manage overlays

Mission Coordinator Display



Project Websites

NOMADSS

Nitrogen, Oxidants, Mercury and Aerosol Distributions, Sources & Sinks

Science | Aircraft Ops | Field Catalog | Data Archive | Outreach

What's New?

General Logistics Meeting, Friday, February 15, 10:00 MST

Survey - Please Respond Now!

Project Description

The Nitrogen, Oxidants, Mercury and Aerosol Distributions, Sources and Sinks (NOMADSS) project is an NSF sponsored experiment that integrates three proposed studies: The Southern Oxidant and Aerosol Study (SOAS), the North American Airborne Mercury Experiment (NAAMEX), and Re-NOx-ification Pathway in the Troposphere (TROPHONO). The merger of the SOAS, NAAMEX and TROPHONO field campaigns on the C-130 platform provides several advantages and new opportunities for the three respective projects, with a few minor drawbacks, as summarized below.

Scientific Objectives

SOAS: All of the SOAS objectives can be addressed by the merged airborne study including the direct quantification of VOC, ozone and NOx surface fluxes and reconcile differences with "top-down" emission estimates; better understanding of HOx/NOx/ozone/organics/aerosol distributions, sources and sinks. While there are some limitations associated with using the C-130 instead of the Twin Otter, the additional measurement suite carried by the C-130 will improve the scientific results.

SOAS Principal Investigator: Alex Guenther, NCAR
SOAS Web Page

NAAMEX: The primary goals for NAAMEX are to (1): constrain emissions of mercury from major source regions in the United States, and (2) quantify the distribution and chemical

Logistics

Site Logistics
Aircraft Logistics

Meetings and Presentations

Meetings and Presentations

Documents

NOMADSS White Paper
Studying the Interactions Between Natural and Anthropogenic Emissions at the Nexus of Air Quality and Climate Change

Data Access

NOMADSS Data Archive

NOMADSS Field Catalog

Draft Data Policy

Dataset Documentation Guidelines

Data Submission Instructions

SOAS
Southern Oxidant & Aerosol Study

Southern Oxidant and Aerosol Study

Science | Aircraft Ops | Field Catalog | Data Archive | Outreach

What's New?

This Project Web Page is Under Development!

SOAS White Paper

Project Description

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The Southeastern U.S. has been a focus area in classic and historic atmospheric field studies. Natural emissions of organic compounds (e.g., isoprene and monoterpenes) in the Southeast are high, rivaling rates in tropical areas. The location is ideal to study biogenic-anthropogenic interactions, due to the proximity of natural emissions with a variety of anthropogenic pollution sources. In the past decade, there has been a remarkable decrease in combustion related NOx emissions, resulting in significant changes in the chemistry of organic oxidation.

We now have specific knowledge of first and second generation products of isoprene photooxidation and have the beginnings of a mechanistic understanding of isoprene oxidation and secondary organic aerosol formation from isoprene, monoterpenes and sesquiterpenes. Analytical instrumentation for laboratory and in situ measurements are vastly improved, not only in

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