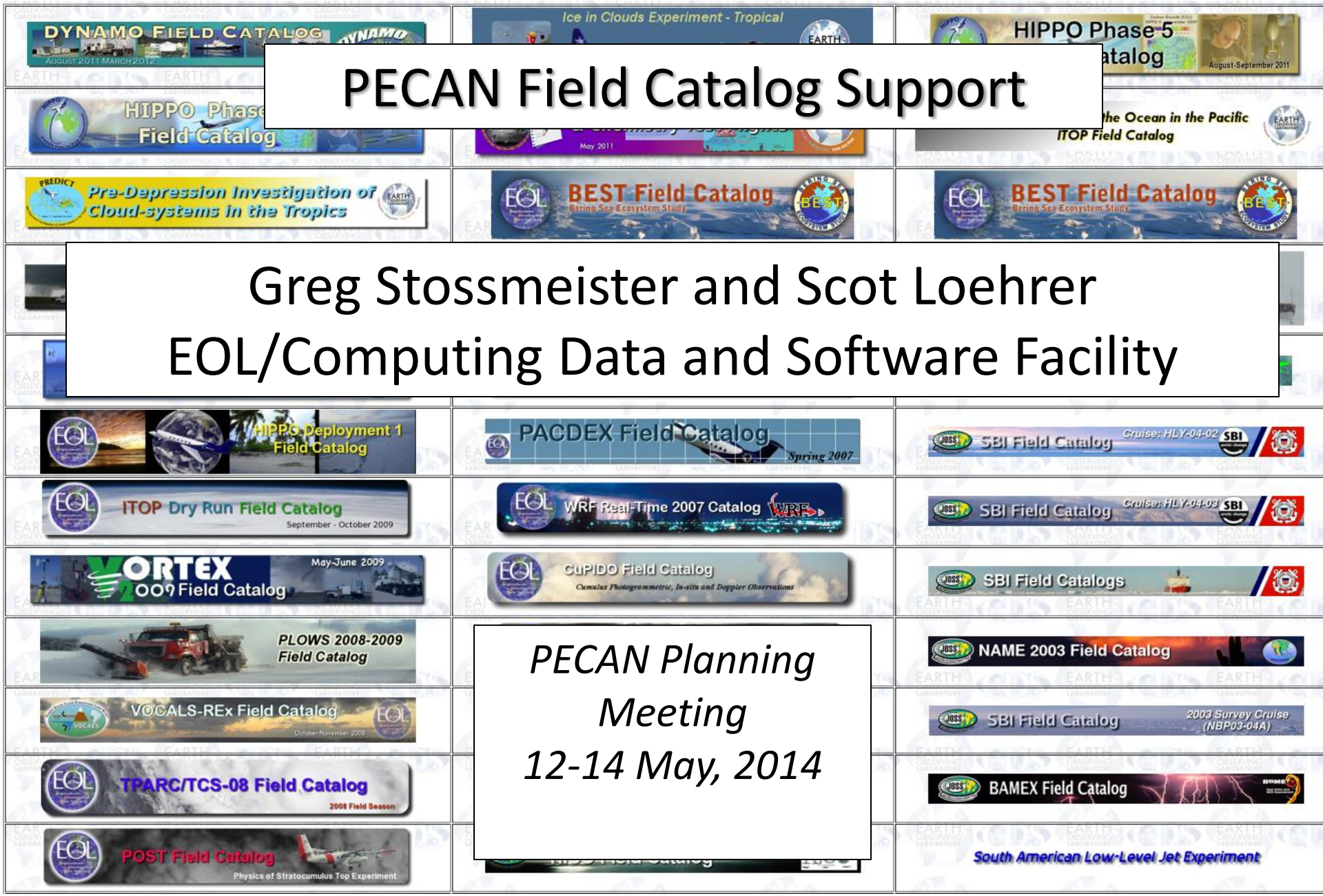


PECAN Field Catalog Support

Greg Stossmeister and Scot Loehrer
EOL/Computing Data and Software Facility

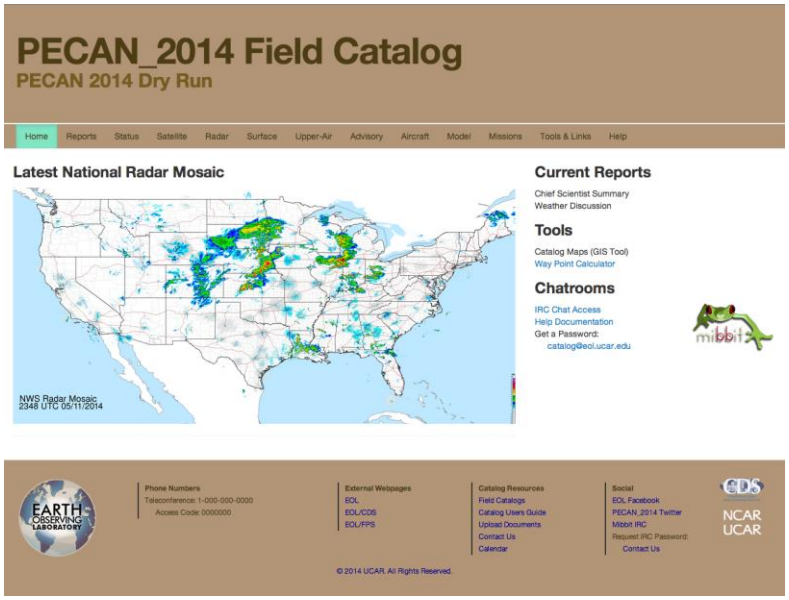
PECAN Planning Meeting
12-14 May, 2014

EOL FIELD CATALOG TOOL

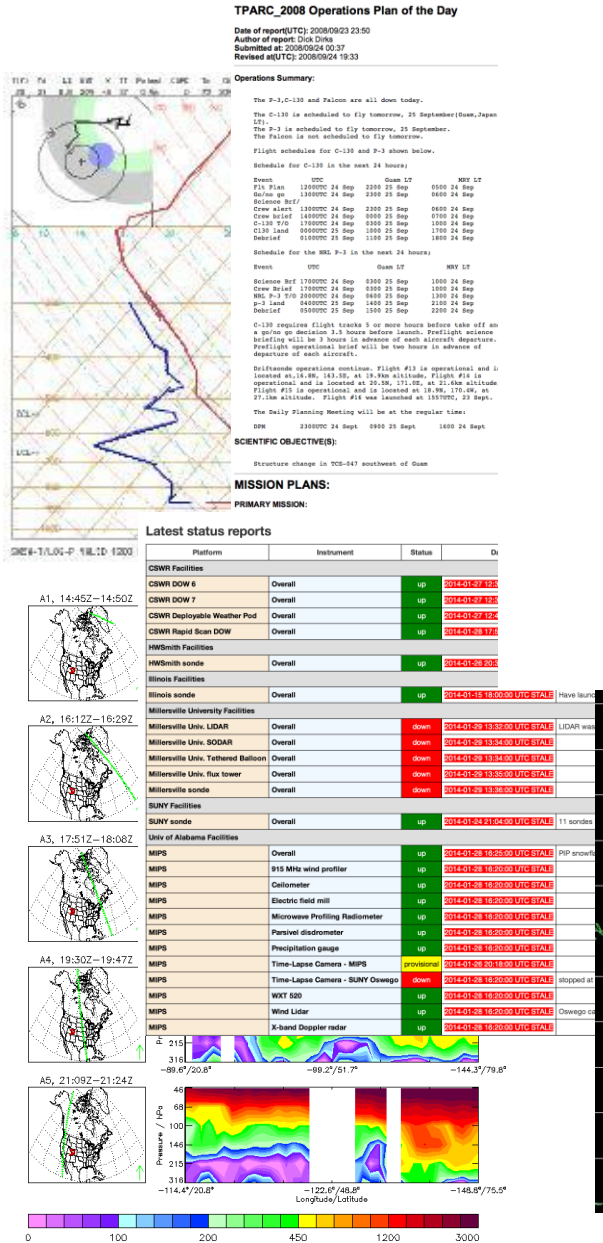
In-field tool to ingest and display operational and preliminary research products and project documentation for making real-time decisions and evaluating project progress

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

***Long term product & report archive**



FIELD CATALOG SAMPLE PRODUCTS



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	MDY LT
Fit 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	MDY 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 an 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 i located at,16.4N, 143.3E, 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, 170.0E, 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:

Latest status reports

Platform	Instrument	Status	D
CSWR Facilities			
CSWR DOW 6	Overall	up	2014-01-27 12:
CSWR DOW 7	Overall	up	2014-01-27 12:
CSWR Deployable Weather Pod	Overall	up	2014-01-27 12:
CSWR Rapid Scan DOW	Overall	up	2014-01-28 17:
HWSmith Facilities			
HWSmith sonde	Overall	up	2014-01-26 20:
Illinois Facilities			
Illinois sonde	Overall	up	2014-01-15 18:00:00 UTC STALE
Millersville University Facilities			
Millersville Univ. LIDAR	Overall	down	2014-01-29 13:32:00 UTC STALE
Millersville Univ. SODAR	Overall	down	2014-01-29 13:34:00 UTC STALE
Millersville Univ. Tethered Balloon	Overall	down	2014-01-29 13:34:00 UTC STALE
Millersville Univ. flux tower	Overall	down	2014-01-29 13:35:00 UTC STALE
Millersville sonde	Overall	down	2014-01-29 13:36:00 UTC STALE
SUNY Facilities			
SUNY sonde	Overall	up	2014-01-24 21:04:00 UTC STALE
Univ of Alabama Facilities			
MIPS	Overall	up	2014-01-28 16:25:00 UTC STALE
MIPS	915 MHz wind profiler	up	2014-01-28 16:20:00 UTC STALE
MIPS	Ceilometer	up	2014-01-28 16:20:00 UTC STALE
MIPS	Electric field mill	up	2014-01-28 16:20:00 UTC STALE
MIPS	Microwave Profiling Radiometer	up	2014-01-28 16:20:00 UTC STALE
MIPS	Parsivel disdrometer	up	2014-01-28 16:20:00 UTC STALE
MIPS	Precipitation gauge	up	2014-01-28 16:20:00 UTC STALE
MIPS	Time-Lapse Camera - MIPS	provisional	2014-01-26 20:18:00 UTC STALE
MIPS	Time-Lapse Camera - SUNY Oswego	down	2014-01-28 16:20:00 UTC STALE
MIPS	WXT 520	up	2014-01-28 16:20:00 UTC STALE
MIPS	Wind Lidar	up	2014-01-28 16:20:00 UTC STALE
MIPS	X-band Doppler radar	up	2014-01-28 16:20:00 UTC STALE

A1, 14:45Z–14:50Z

A2, 16:12Z–16:29Z

A3, 17:51Z–18:08Z

A4, 19:30Z–19:47Z

A5, 21:09Z–21:24Z

−89.6°/20.8° −89.2°/51.7° −144.3°/79.8°

−114.4°/20.8° −122.6°/48.8° −148.8°/75.5°

Longitude/Latitude

0 100 200 450 1200 3000

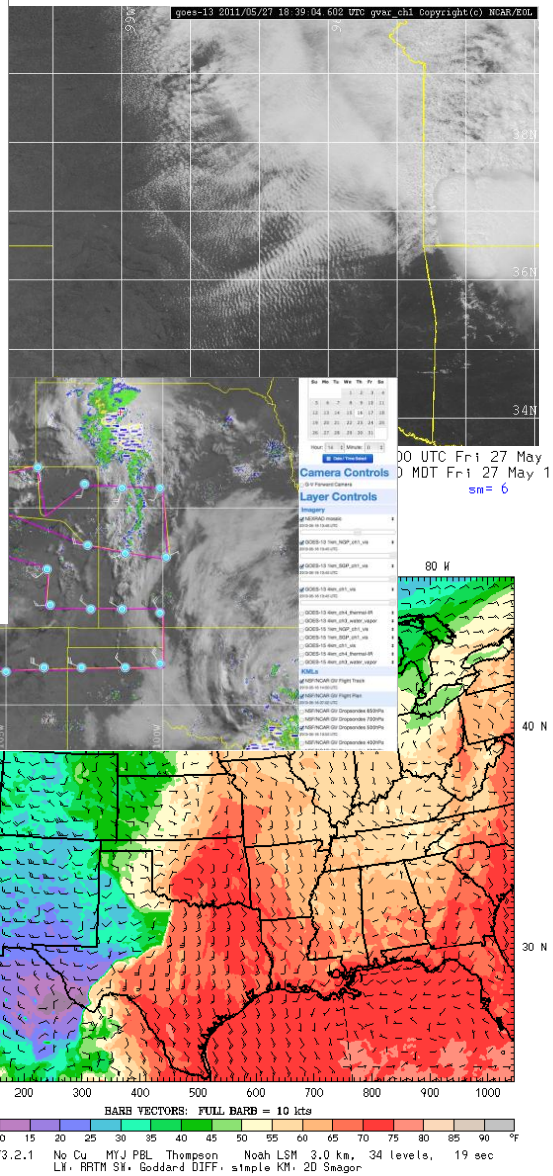
Mission Scientist Report, RICO, King Air Flight January 21st, 2005 UW King Air Flight Scientist: Stevens

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 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.

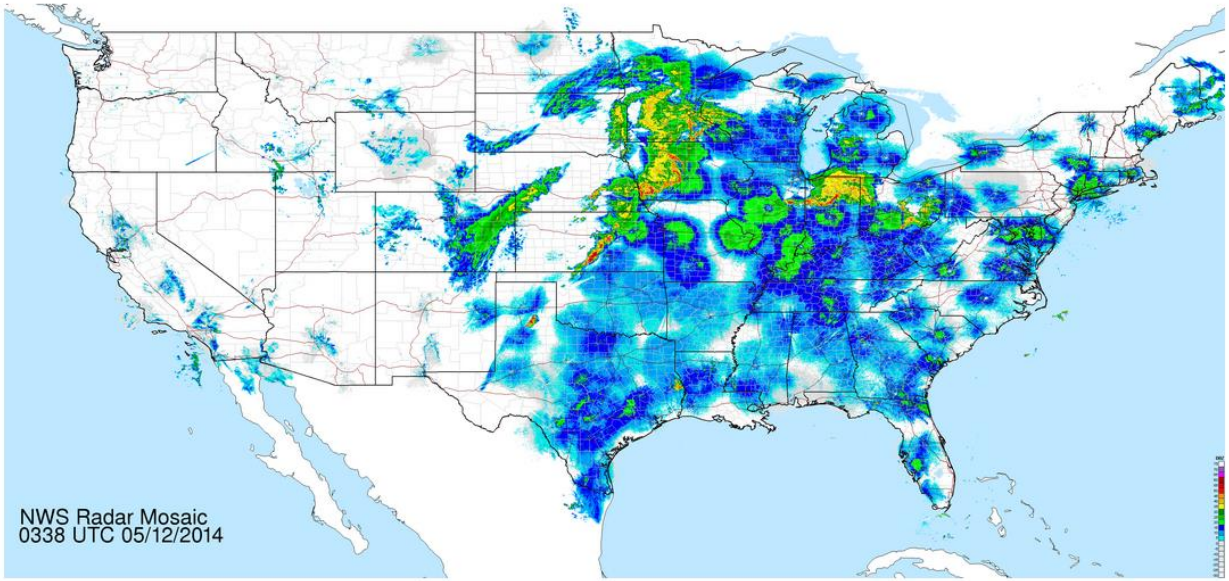
Overview of Flight Pattern: The momentum patterns were to consist of stacks of four to five legs, along and across the shear. We attempted to coordinate these with the ships heading, and after some initial adjustment settled on a direction. The patterns generally included two levels in the subcloud



PECAN_2014 Field Catalog

PECAN 2014 Dry Run

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

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 fueld 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 maintenenace day on Tuesday.

Plan for 02-March-2014

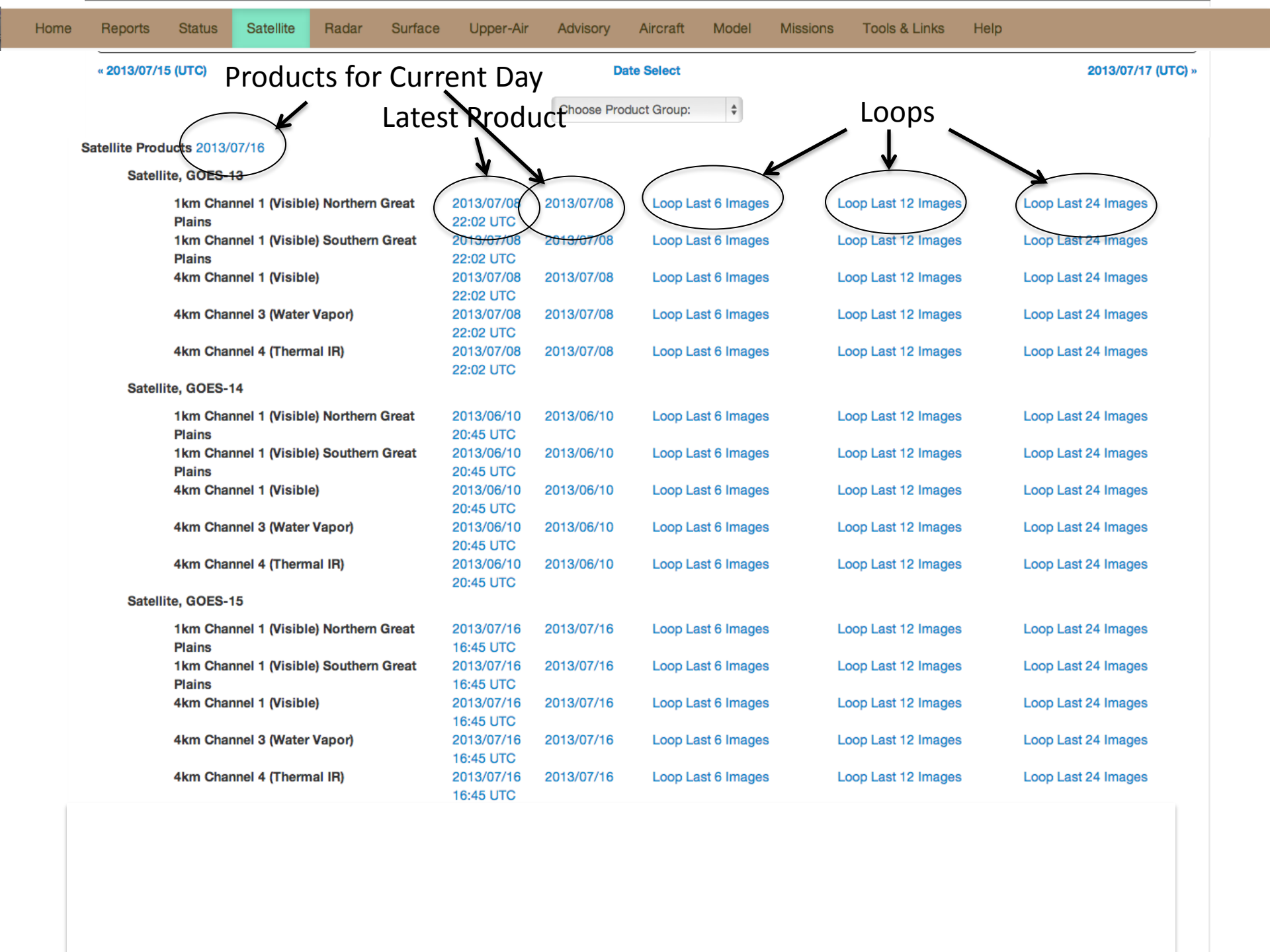
- Hard Down day all hands

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



« 2013/07/15 (UTC) Date Select 2013/07/17 (UTC) »

Choose Product Group:

Satellite Products 2013/07/16

Satellite, GOES-13					
1km Channel 1 (Visible) Northern Great Plains	2013/07/08 22:02 UTC	2013/07/08	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
1km Channel 1 (Visible) Southern Great Plains	2013/07/08 22:02 UTC	2013/07/08	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
4km Channel 1 (Visible)	2013/07/08 22:02 UTC	2013/07/08	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
4km Channel 3 (Water Vapor)	2013/07/08 22:02 UTC	2013/07/08	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
4km Channel 4 (Thermal IR)	2013/07/08 22:02 UTC	2013/07/08	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
Satellite, GOES-14					
1km Channel 1 (Visible) Northern Great Plains	2013/06/10 20:45 UTC	2013/06/10	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
1km Channel 1 (Visible) Southern Great Plains	2013/06/10 20:45 UTC	2013/06/10	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
4km Channel 1 (Visible)	2013/06/10 20:45 UTC	2013/06/10	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
4km Channel 3 (Water Vapor)	2013/06/10 20:45 UTC	2013/06/10	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
4km Channel 4 (Thermal IR)	2013/06/10 20:45 UTC	2013/06/10	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
Satellite, GOES-15					
1km Channel 1 (Visible) Northern Great Plains	2013/07/16 16:45 UTC	2013/07/16	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
1km Channel 1 (Visible) Southern Great Plains	2013/07/16 16:45 UTC	2013/07/16	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
4km Channel 1 (Visible)	2013/07/16 16:45 UTC	2013/07/16	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
4km Channel 3 (Water Vapor)	2013/07/16 16:45 UTC	2013/07/16	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images
4km Channel 4 (Thermal IR)	2013/07/16 16:45 UTC	2013/07/16	Loop Last 6 Images	Loop Last 12 Images	Loop Last 24 Images

Choose Other Product Group

Category → **Satellite**

Platform →

Product Titles →

Product Times (UTC)	2013-06-04																							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Satellite, GOES-15																								
1km Channel 1 (Visible) Northern Great Plains	0000 0030	0100 0111 0115 0130 0141 0145	0200 0211 0215 0230 0241 0245								1015 1030 1041 1045	1100 1111 1115 1130 1141 1145	1200 1230 1241 1245	1300 1311 1315 1330 1341 1345	1400 1411 1415 1430 1441 1445	1500 1530 1541 1545	1600 1611 1615 1630 1641 1645	1700 1711 1715 1730 1741 1745	1800 1830 1841 1845	1900 1911 1915 1930 1941 1945	2000 2011 2015 2030	2100 2130 2141 2145	2200 2211 2215 2230 2241 2245	2300 2311 2315 2330 2341 2345
1km Channel 1 (Visible) Southern Great Plains	0000 0030	0100 0115 0130 0145	0200 0215								1045	1100 1115 1130 1145	1200 1230 1245	1300 1315 1330 1345	1400 1415 1430 1445	1500 1530 1545	1600 1615 1630 1645	1700 1715 1730 1745	1800 1830 1845	1900 1915 1930 1945	2000 2015 2030	2100 2130 2145	2200 2215 2230 2245	2300 2315 2330 2345
4km Channel 1 (Visible)	0000 0030	0100 0111 0115 0130 0141 0145	0200 0211 0215 0230 0241 0245	0300 0330 0341 0345	0400 0411						1000 1011 1015 1030 1041 1045	1100 1111 1115 1130 1141 1145	1200 1230 1241 1245	1300 1311 1315 1330 1341 1345	1400 1411 1415 1430 1441 1445	1500 1530 1541 1545	1600 1611 1615 1630 1641 1645	1700 1711 1715 1730 1741 1745	1800 1830 1841 1845	1900 1911 1915 1930 1941 1945	2000 2011 2015 2030	2100 2130 2141 2145	2200 2211 2215 2230 2241 2245	2300 2311 2315 2330 2341 2345
4km Channel 3 (Water Vapor)	0000 0030	0100 0111 0115 0130 0141 0145	0200 0211 0215 0230 0241 0245	0300 0330 0341 0345	0400 0411 0415 0430 0441 0445	0500 0511 0515 0530 0541 0545	0600 0630 0641 0645	0700 0711 0715 0730 0741 0745	0800 0811 0815 0830 0841 0845	0900 0930 0941 0945	1000 1011 1015 1030 1041 1045	1100 1111 1115 1130 1141 1145	1200 1230 1241 1245	1300 1311 1315 1330 1341 1345	1400 1411 1415 1430 1441 1445	1500 1530 1541 1545	1600 1611 1615 1630 1641 1645	1700 1711 1715 1730 1741 1745	1800 1830 1841 1845	1900 1911 1915 1930 1941 1945	2000 2011 2015 2030	2100 2130 2141 2145	2200 2211 2215 2230 2241 2245	2300 2311 2315 2330 2341 2345
4km Channel 4 (Thermal IR)	0000 0030	0100 0111 0115 0130 0141 0145	0200 0211 0215 0230 0241 0245	0300 0330 0341 0345	0400 0411 0415 0430 0441 0445	0500 0511 0515 0530 0541 0545	0600 0630 0641 0645	0700 0711 0715 0730 0741 0745	0800 0811 0815 0830 0841 0845	0900 0930 0941 0945	1000 1011 1015 1030 1041 1045	1100 1111 1115 1130 1141 1145	1200 1230 1241 1245	1300 1311 1315 1330 1341 1345	1400 1411 1415 1430 1441 1445	1500 1530 1541 1545	1600 1611 1615 1630 1641 1645	1700 1711 1715 1730 1741 1745	1800 1830 1841 1845	1900 1911 1915 1930 1941 1945	2000 2011 2015 2030	2100 2130 2141 2145	2200 2211 2215 2230 2241 2245	2300 2311 2315 2330 2341 2345
Satellite, GOES-14																								
1km Channel 1 (Visible) Northern Great Plains	0015 0032 0045	0102 0115 0145	0202 0215 0232 0245								1015 1032 1045	1102 1115 1132 1145	1215 1232 1245	1302 1315 1332 1345	1402 1415 1432 1445	1515 1532 1545	1602 1615 1632 1645	1702 1715 1732 1745	1815 1832 1845	1915 1932 1945	2002 2015 2032 2045	2115 2132 2145	2202 2215 2232 2245	2302 2315 2332 2345
1km Channel 1 (Visible) Southern Great Plains	0015 0032 0045	0102 0115 0145	0202 0215								1045	1102 1115 1132 1145	1215 1232 1245	1302 1315 1332 1345	1402 1415 1432 1445	1515 1532 1545	1602 1615 1632 1645	1702 1715 1732 1745	1815 1832 1845	1915 1932 1945	2002 2015 2032 2045	2115 2132 2145	2202 2215 2232 2245	2302 2315 2332 2345
4km Channel 1 (Visible)	0015 0032 0045	0102 0115 0145	0202 0215 0232 0245	0315 0332 0345	0402						1002 1015 1032 1045	1102 1115 1132 1145	1215 1232 1245	1302 1315 1332 1345	1402 1415 1432 1445	1515 1532 1545	1602 1615 1632 1645	1702 1715 1732 1745	1815 1832 1845	1915 1932 1945	2002 2015 2032 2045	2115 2132 2145	2202 2215 2232 2245	2302 2315 2332 2345
4km Channel 3 (Water Vapor)	0015 0032 0045	0102 0115 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 1532 1545	1602 1615 1632 1645	1702 1715 1732 1745	1815 1832 1845	1915 1932 1945	2002 2015 2032 2045	2115 2132 2145	2202 2215 2232 2245	2302 2315 2332 2345
4km Channel 4 (Thermal IR)	0015 0032 0045	0102 0115 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 1532 1545	1602 1615 1632 1645	1702 1715 1732 1745	1815 1832 1845	1915 1932 1945	2002 2015 2032 2045	2115 2132 2145	2202 2215 2232 2245	2302 2315 2332 2345

Frame No:

18

playback: stop

Scale: 100

Loop Mode:

normal

Adjust Speed:

2 fps

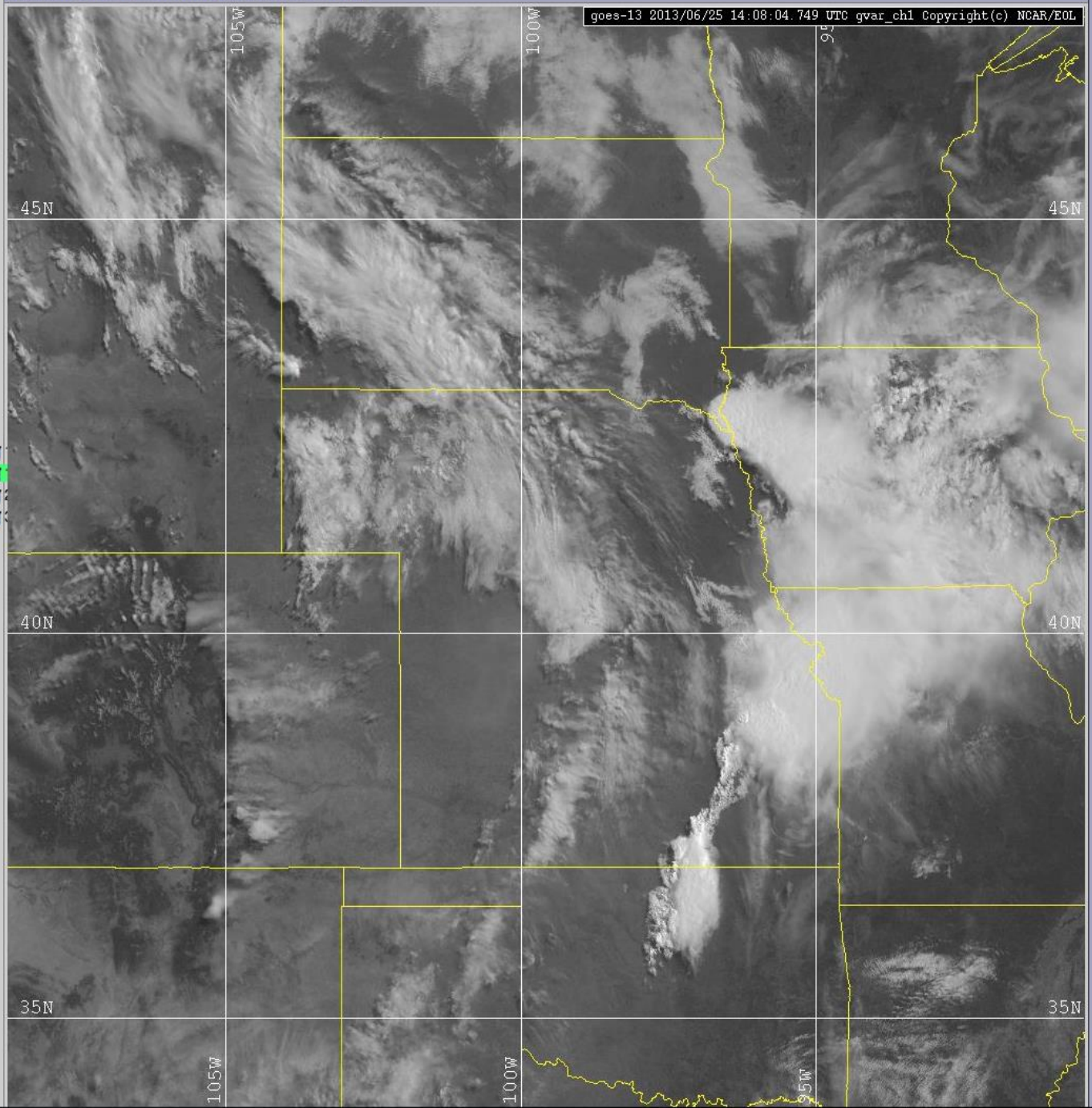
Dwell First/Last:

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



« 2013/07/07 (UTC) Date Select 2013/07/09 (UTC) »

Choose Product Group:

CSU WRF Forecast Products 2013/07/08

500avo 4km | Run Time: 00:00:00 UTC | Analysis | Loop last 6 Analyses | Loop All Forecast Periods | TODO: d(prog)/dt

ESRL HRRR Dev Forecast Products 2013/06/15

0-1km shear | Run Time: | Analysis | Loop last 6 Analyses | Loop All Forecast Periods | TODO: d(prog)/dt

ESRL HRRR Forecast Products 2013/06/15

0-1km shear | Run Time: | Analysis | Loop last 6 Analyses | Loop All Forecast Periods | TODO: d(prog)/dt

ESRL RAP Dev Forecast Products 2013/06/15

1hr accum precip | Run Time: | Analysis | Loop last 6 Analyses | Loop All Forecast Periods | TODO: d(prog)/dt

ESRL RAP Forecast Products 2013/06/15

1hr accum precip | Run Time: | Analysis | Loop last 6 Analyses | Loop All Forecast Periods | TODO: d(prog)/dt

NCAR WRF ARW Forecast Products 2013/06/14

0-3km shear | Run Time: | Analysis | Loop last 6 Analyses | Loop All Forecast Periods | TODO: d(prog)/dt

NCAR WRF Ensemble Forecast Products 2013/06/14

Ensemble Abs Vor | Run Time: | Analysis | Loop last 6 Analyses | Loop All Forecast Periods | TODO: d(prog)/dt

NCAR WRF GFS Forecast Products 2013/06/14

0-3km shear | Run Time: | Analysis | Loop last 6 Analyses | Loop All Forecast Periods | TODO: d(prog)/dt

NCEP GFS Forecast Products 2013/06/15

200 heights wind | Run Time: | Analysis | Loop last 6 Analyses | Loop All Forecast Periods | TODO: d(prog)/dt

NCEP NAM Forecast Products 2013/06/15

200 heights wind | Run Time: | Analysis | Loop last 6 Analyses | Loop All Forecast Periods | TODO: d(prog)/dt

NCEP RAP Forecast Products 2013/06/16

1 hr total precipitat | Run Time: | Analysis | Loop last 6 Analyses | Loop All Forecast Periods | TODO: d(prog)/dt

« 2013/07/07 (UTC) Date Select 2013/07/09 (UTC) »

Choose Product Group:

« 2013/06/14 (UTC) | Date Select | 2013/06/16 (UTC) »

Choose Other Product Group

NCEP GFS Forecast

Product Times (UTC)	2013-06-15								2013-06-16								2013-06-17							
	0	3	6	9	12	15	18	21	0	3	6	9	12	15	18	21	0	3	6	9	12	15	18	
NCEP Global Forecast System Model (GFS) from 2013-06-15 00:00:00 UTC																								
200 heights wind	000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr							
250 heights wind	000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr							
300 heights wind	000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr							
3 hr total precipitation		003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr							
500 heights vort	000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr							
700 heights rh	000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr							
850 heights temp	000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr							
mslp wind temp	000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr							
NCEP Global Forecast System Model (GFS) from 2013-06-15 06:00:00 UTC																								
200 heights wind			000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr					
250 heights wind			000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr					
300 heights wind			000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr					
3 hr total precipitation				003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr					
500 heights vort			000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr					
700 heights rh			000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr					
850 heights temp			000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr					
mslp wind temp			000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr					
NCEP Global Forecast System Model (GFS) from 2013-06-15 12:00:00 UTC																								
200 heights wind					000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr			
250 heights wind					000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr			
300 heights wind					000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr			
3 hr total precipitation						003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr			
500 heights vort					000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr			
700 heights rh					000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr			
850 heights temp					000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr			
mslp wind temp					000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr			
NCEP Global Forecast System Model (GFS) from 2013-06-15 18:00:00 UTC																								
200 heights wind							000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr	
250 heights wind							000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr	
300 heights wind							000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr	
3 hr total precipitation								003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr	
500 heights vort							000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr	
700 heights rh							000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr	
850 heights temp							000hr	003hr	006hr	009hr	012hr	015hr	018hr	021hr	024hr	027hr	030hr	033hr	036hr	039hr	042hr	045hr	048hr	

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* YYYY-MM-DD HH:MM UTC
(Form loaded at 2014-05-12 19:07 UTC)

IOP/Mission #*

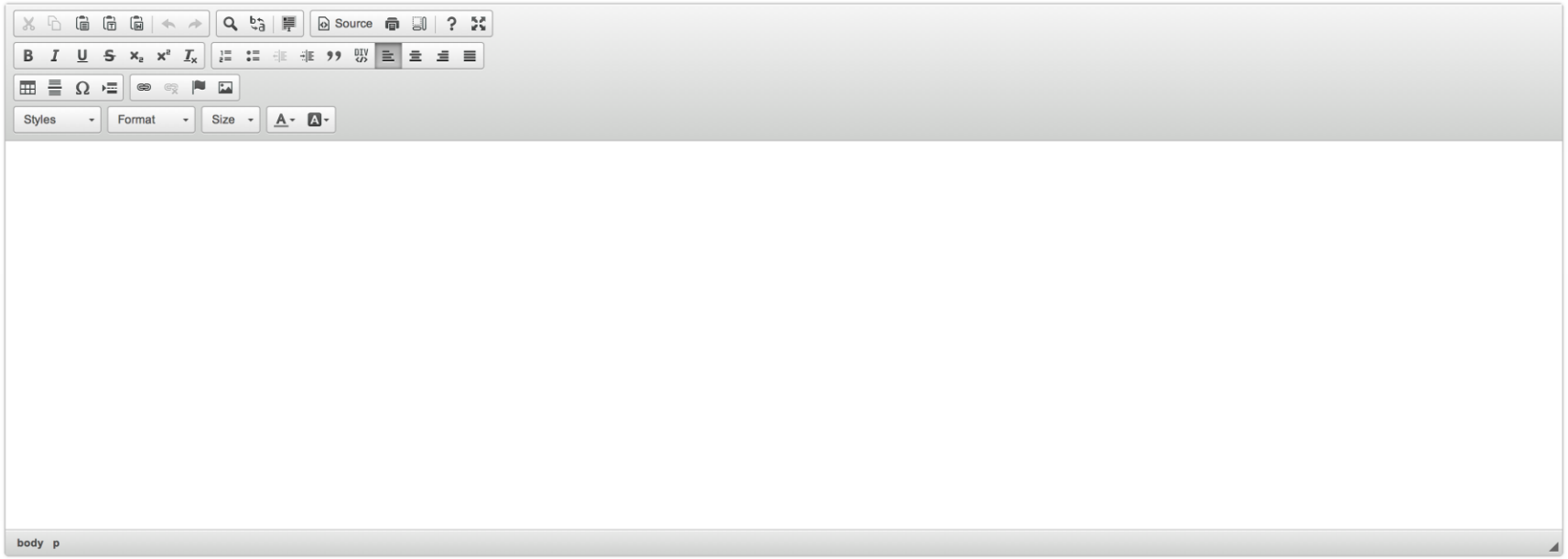
Takeoff Time* YYYY-MM-DD HH:MM UTC
(Form loaded at 2014-05-12 19:07 UTC)

Landing Time YYYY-MM-DD HH:MM UTC
(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.



Clear editor

Cancel Submit

OWLeS: Ontario Winter Lake-effect Systems

Chief Scientist Summary

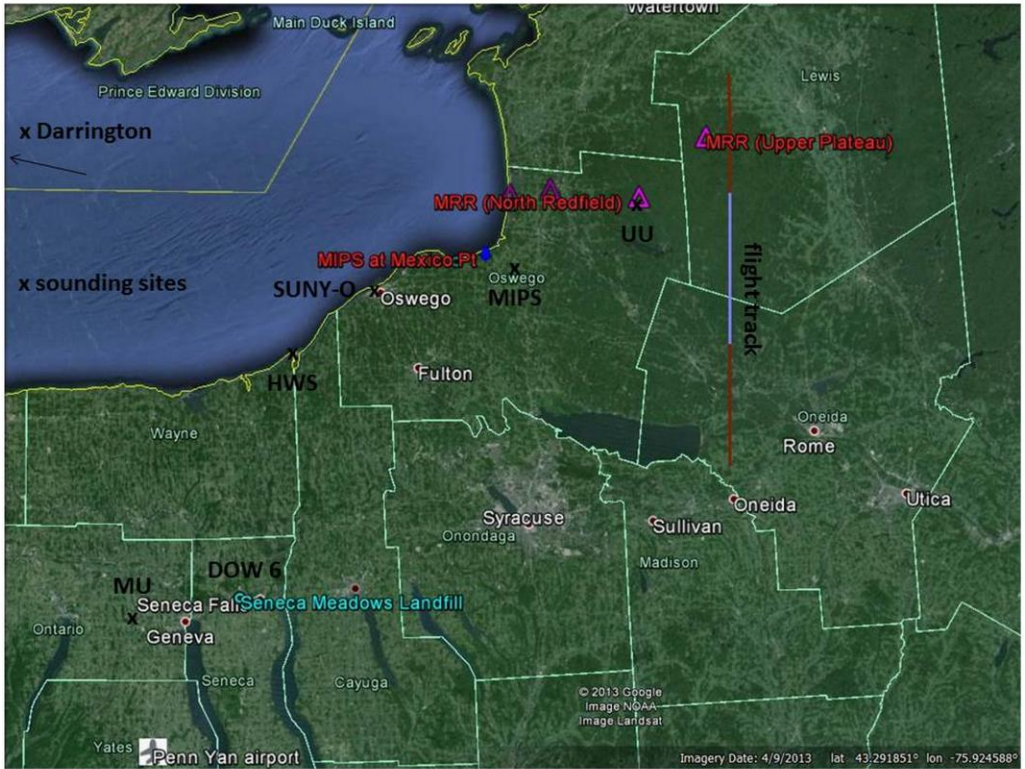
Author
Bart Geerts
IOP Date/Time
2014-01-27 23:59:00 UTC
Discussion

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

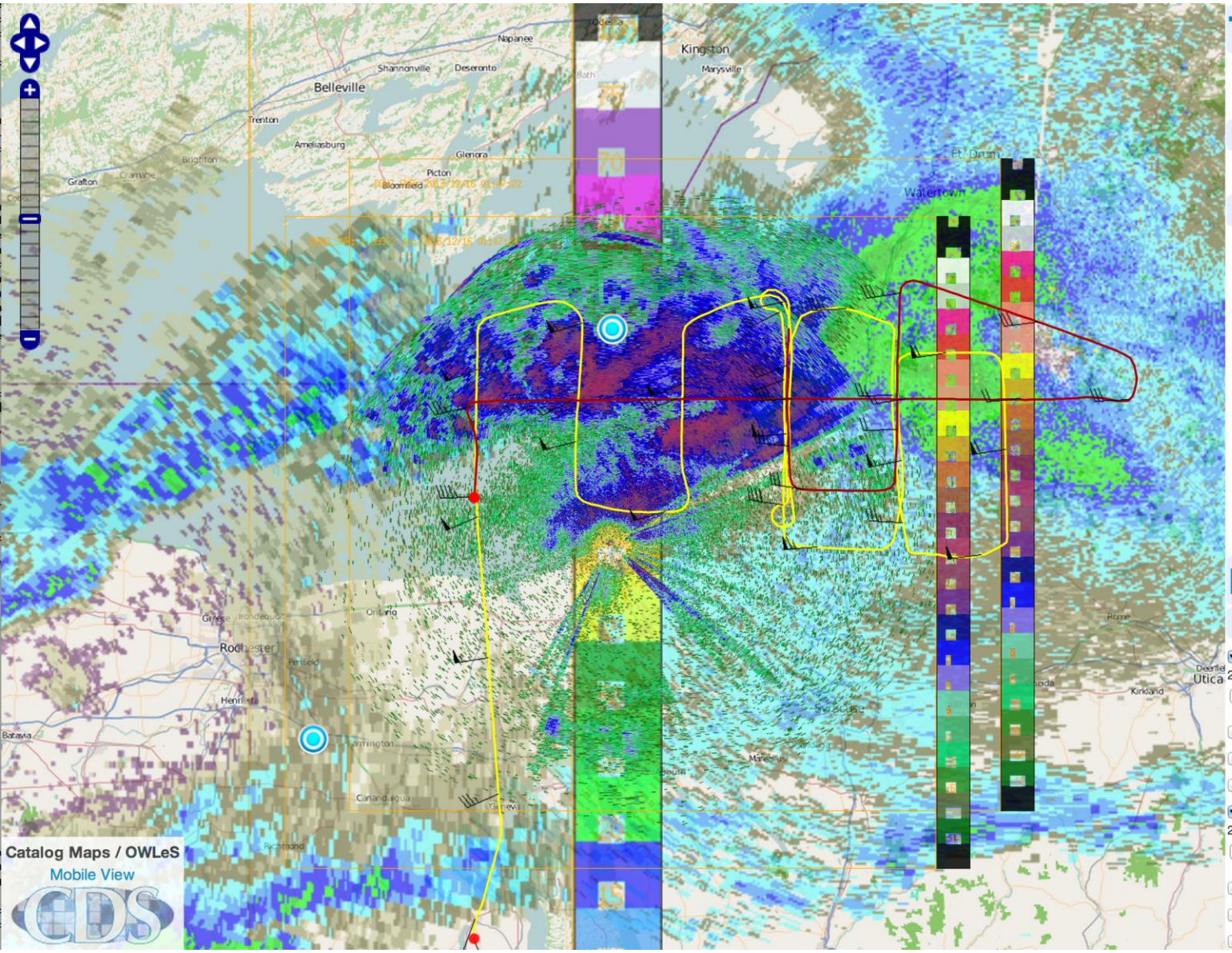
map below shows UWKA flight track, DOW 7 , sounding sites, MUPS.



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
CSWR Facilities																										
CSWR DOW 6																										
Overall		provisional	up	up	up	up	down	up	up	up						up		up				up		up		up
CSWR DOW 7																										
Overall		up		up	up		up	up	provisional	up						down		up				up		up		up
CSWR Deployable Weather Pod																										
Overall		up		up	up		up	up	up	up						provisional		provisional				up		up		up
CSWR Rapid Scan DOW																										
Overall		up		up	up		up	up	up	up						up		up				up		up		up
HWSmith Facilities																										
HWSmith sonde																										
Overall		up	up	up	up		up	up				up				up	up	up				up		up		
Illinois Facilities																										
Illinois sonde																										
Overall		up			up	up			up						provisional			up			up	up		up		
Millersville University Facilities																										
Millersville Univ. LIDAR																										
Overall	down		up		up	up	up		up	up	up	up			up	up	up	down	up		up	up	up	up	up	up
Millersville Univ. SODAR																										
Overall			up		provisional	down	provisional		provisional	up	up	up			up	up	up	provisional	up		up	up	up	up	up	up
Millersville Univ. Tethered Balloon																										
Overall			up		down	down	up		up	up	up	up			up	up	down	up	up		up	up	up	up	up	up
Millersville Univ. flux tower																										
Overall						up	up		up	up	up	up			up	up	up	up	up		up	up	up	up	up	up
Millersville sonde																										
Overall				down	up	down	up		up	up	up	up			up		up	up	up		up	up	up	up	up	up
SUNY Facilities																										
SUNY sonde																										
Overall			up	down	up	up	up	up	up	up		up		up	up						up				up	up
Univ of Alabama Facilities																										
MIPS																										

Catalog Maps



Time Controls

Map Time: 2013-12-16 01:49 UTC

Reset to Latest

Time Step

back | 15 minut | forward

Date / Time Select

December 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: 1 Minute: 49

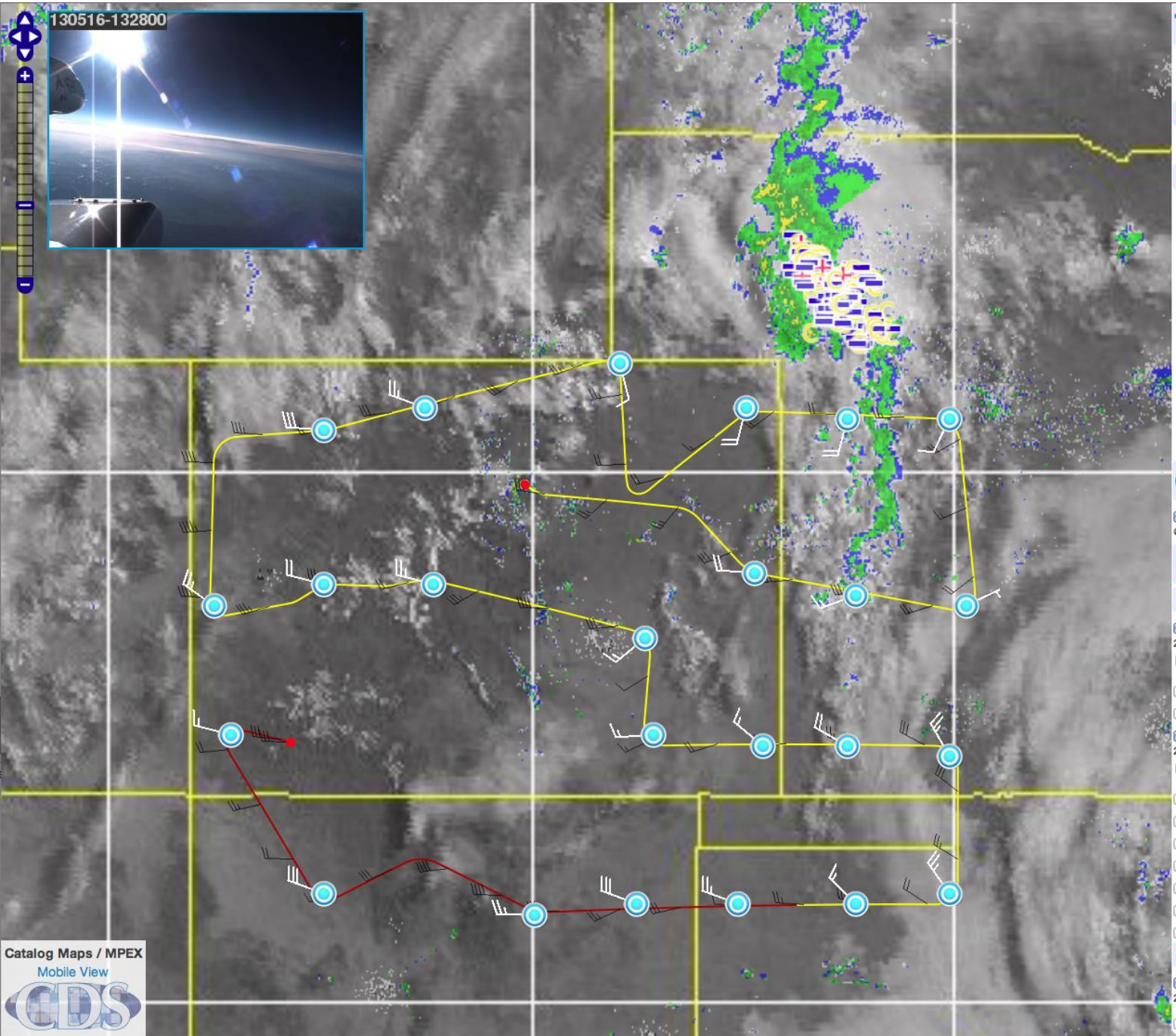
Date / Time Select

Layer Controls

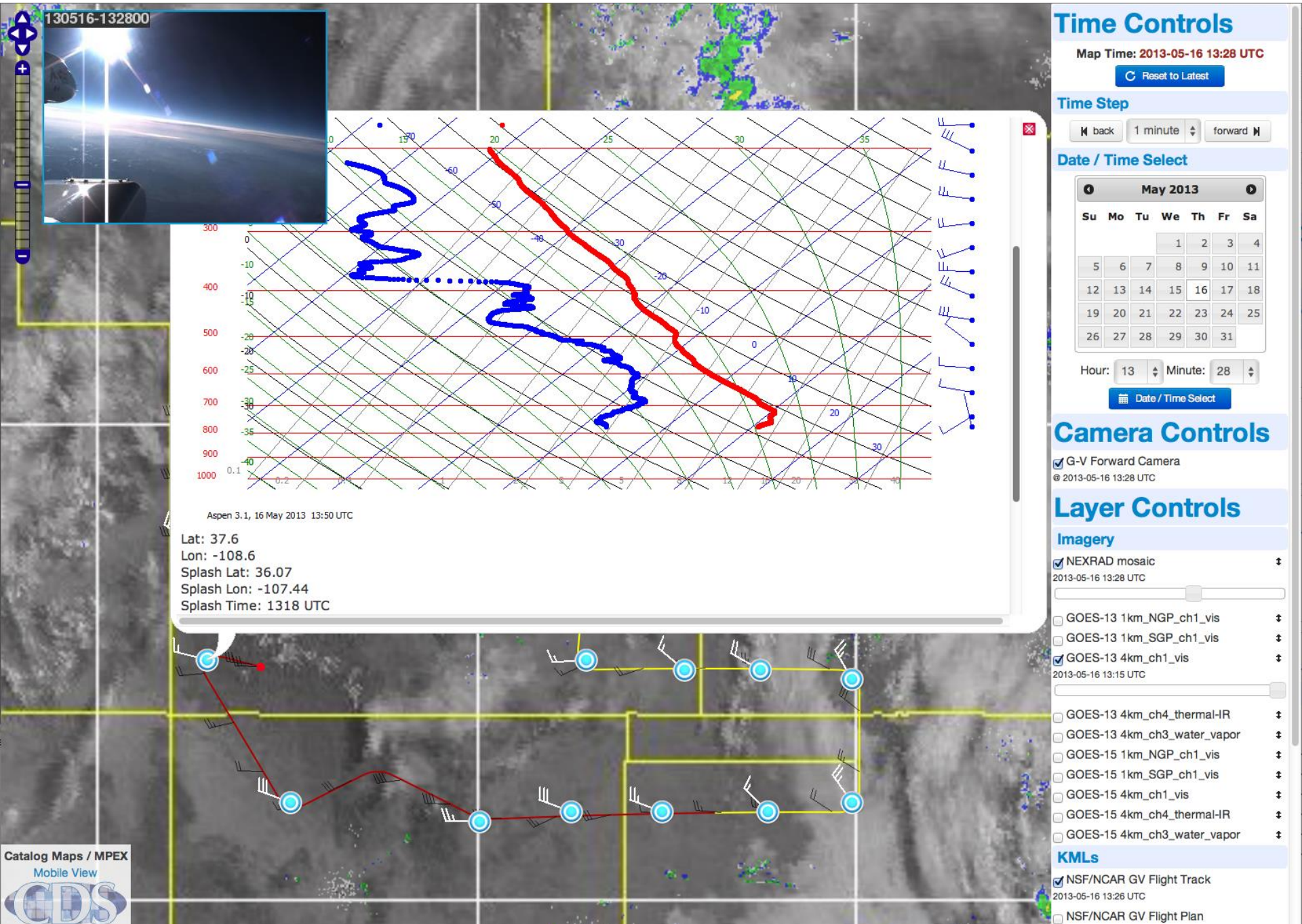
Imagery

- [x] DOW6: Reflectivity
  2013-12-16 01:47 UTC
- [ ] DOW6: Velocity
- [ ] DOW6: ZDR
- [ ] DOW6: RHOHV
- [x] DOW7: Reflectivity
  2013-12-16 01:47 UTC
- [ ] DOW7: Velocity
- [ ] DOW7: ZDR
- [ ] DOW7: RHOHV

Catalog Maps

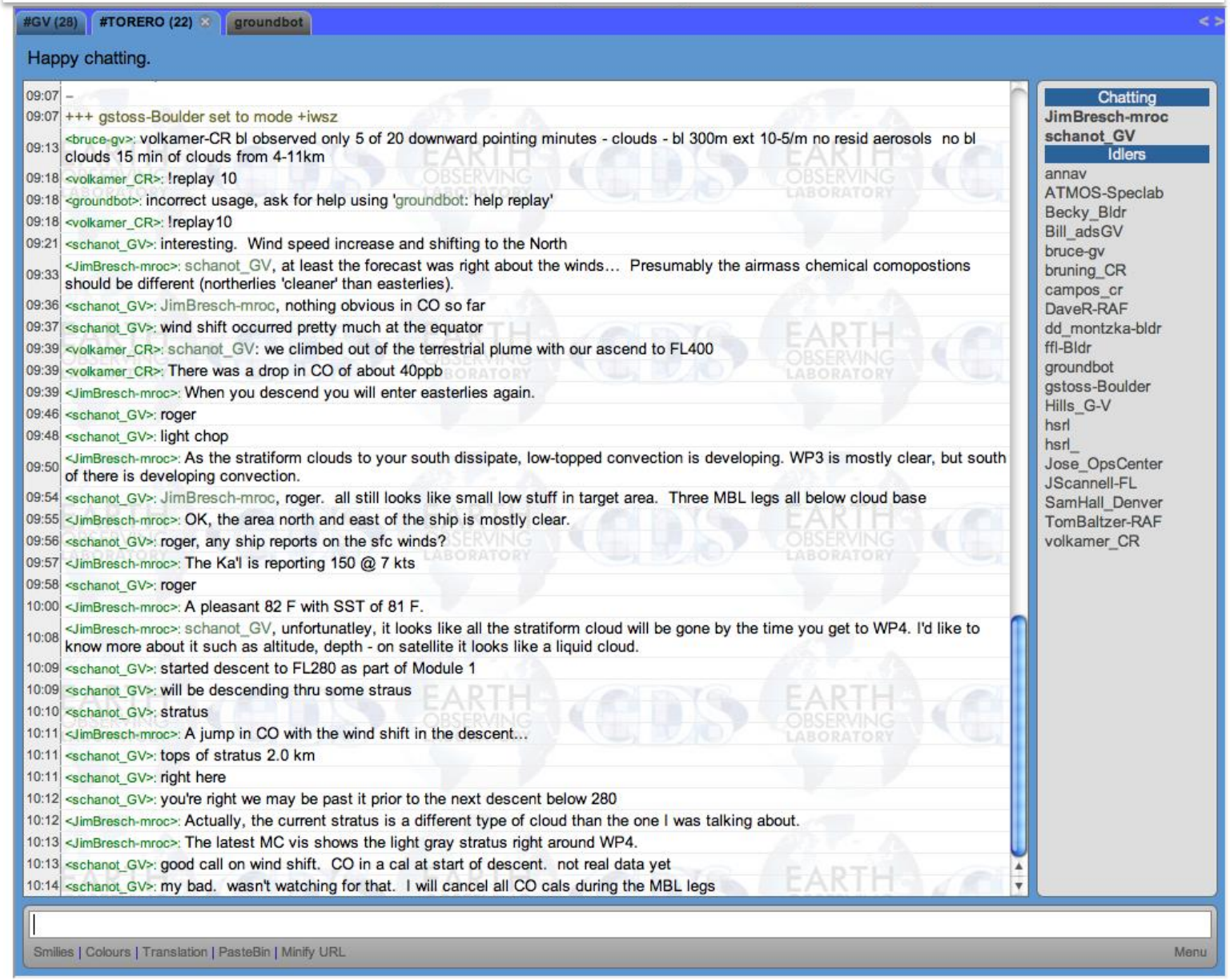


Catalog Maps



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)	Satellite Radar Research - Aircraft Research - Dropsonde	GV Flight Track Plot	GV Flight Track GV Dropsonde Points GV Dropsonde 850 hPa Winds GV Dropsonde 700 hPa Winds GV Dropsonde 500 hPa Winds GV Dropsonde 400 hPa Winds GV Dropsonde 300 hPa Winds GV Dropsonde 250 hPa Winds	Mission Summary	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)	Satellite Radar Research - Aircraft Research - Dropsonde	GV Flight Track Plot	GV Flight Track GV Dropsonde Points GV Dropsonde 850 hPa Winds GV Dropsonde 700 hPa Winds GV Dropsonde 500 hPa Winds GV Dropsonde 400 hPa Winds GV Dropsonde 300 hPa Winds GV Dropsonde 250 hPa Winds	Mission Summary	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)	Satellite Radar Research - Aircraft Research - Dropsonde	GV Flight Track Plot	GV Flight Track GV Dropsonde Points GV Dropsonde 850 hPa Winds GV Dropsonde 700 hPa Winds GV Dropsonde 500 hPa Winds GV Dropsonde 400 hPa Winds GV Dropsonde 300 hPa Winds GV Dropsonde 250 hPa Winds	Mission Summary	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	Satellite Radar Research - Aircraft Research - Dropsonde	GV Flight Track Plot	GV Flight Track GV Dropsonde Points GV Dropsonde 850 hPa Winds GV Dropsonde 700 hPa Winds GV Dropsonde 500 hPa Winds GV Dropsonde 400 hPa Winds GV Dropsonde 300 hPa Winds GV Dropsonde 250 hPa Winds	Mission Summary Mobile Sounding Summary	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)	Satellite Radar Research - Aircraft Research - Dropsonde	GV Flight Track Plot	GV Flight Track GV Dropsonde Points GV Dropsonde 850 hPa Winds GV Dropsonde 700 hPa Winds GV Dropsonde 500 hPa Winds GV Dropsonde 400 hPa Winds GV Dropsonde 300 hPa Winds GV Dropsonde 250 hPa Winds	Mission Summary	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	Satellite Radar Research - Aircraft	GV Flight Track Plot	GV Flight Track GV Dropsonde Points GV Dropsonde 850 hPa Winds GV Dropsonde 700 hPa Winds GV Dropsonde 500 hPa Winds	Mission Summary Mobile	The focus of today's mission was the potential for organized (possibly severe) convection in Western TX and

IRC Chat



#GV (28) | #TORERO (22) | 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 comopostions 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, unfortunatley, 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 straus
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 cals 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

PECAN Dry Run Field Catalog Schedule

- Dry Run: June 2 - 13 weekdays
- Product Collection June 1– July 31
- Product List has been put together(Google Docs)
- Field Catalog is on-line

  http://catalog.eol.ucar.edu/pecan_2014
- Check User Guide for instructions on how to upload products
- New Products will continue to be added to the Catalog between now and the dry run in June
- Training sessions to be done in late May/early June (Scot)

gstoss@ucar.edu

loehrer@ucar.edu

EOL
Deployment
Development
Data Services

Tools & Links

OWLeS Field Catalog

Ontario Winter Lake-effect Systems

Catalog Information

- Catalog User Guide

Catalog Tools

- Catalog Maps (GIS Tool)
- File upload

Chat Information

- IRC Chat Access
- Help Documentation
- Chat Client Configuration Instructions
  - XChat Client for Linux and Windows
  - Colloquy Client for iOS
  - Androirc Client for Android

Project Information

- Ops Plan (ver 26 Nov 2013)

Project Links

- OWLeS Main Page
- U of Wyoming OWLeS Page
- Wyoming Preliminary Data
- Utah Preliminary Data
- UAH Camera Imagery
- MUPS Flickr Page
- Apparel (DEADLINE JAN 15)

Phone Numbers
Operations Center (Oswego): 315-312-2802
Operations Center (Geneva): 315-945-8912
Teleconference: 1-636-277-0130
Access Code: 984-536-117

External Webpages
OWLES - EOL
OWLES - CSWR
OWLES - U of Wyoming
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EOL/CDS
EOL/FPS

Catalog Resources
Field Catalogs
Catalog Users Guide
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