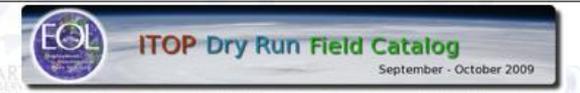
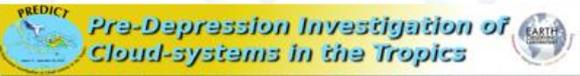
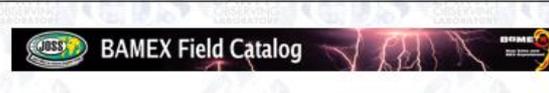
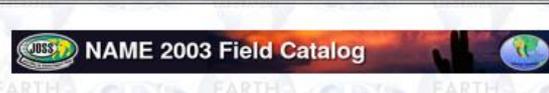


# DEEPWAVE Field Catalog Support

Greg Stossmeister  
EOL/Computing Data and Software Facility



*DEEPWAVE Planning Meeting  
26-28 March, 2014*

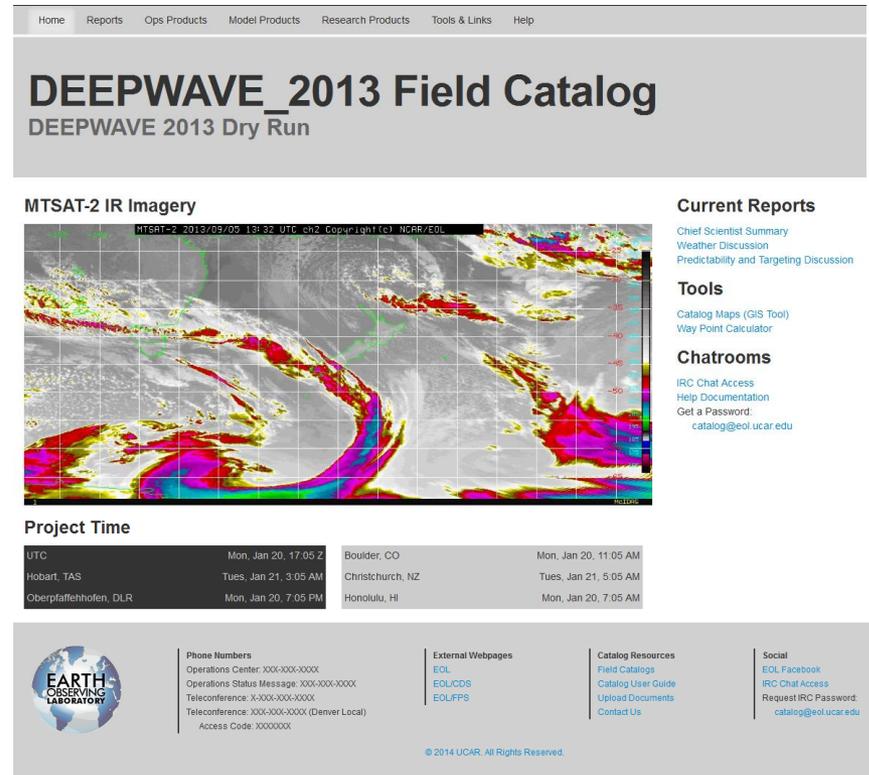


# EOL FIELD CATALOG TOOL

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

*\*Long term product & report archive*



Home Reports Ops Products Model Products Research Products Tools & Links Help

## DEEPWAVE\_2013 Field Catalog

DEEPWAVE 2013 Dry Run

MTSAT-2 IR Imagery

Current Reports

- Chief Scientist Summary
- Weather Discussion
- Predictability and Targeting 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)

Project Time	
UTC	Mon, Jan 20, 17:05 Z
Hobart, TAS	Tues, Jan 21, 3:05 AM
Oberpfaffenhofen, DLR	Mon, Jan 20, 7:05 PM
Boulder, CO	Mon, Jan 20, 11:05 AM
Christchurch, NZ	Tues, Jan 21, 5:05 AM
Honolulu, HI	Mon, Jan 20, 7:05 AM

Phone Numbers

- Operations Center: XXX-XXX-XXXX
- Operations Status Message: XXX-XXX-XXXX
- Teleconference: XXX-XXX-XXXX
- Teleconference: XXX-XXX-XXXX (Denver Local)
- Access Code: XXXXXXX

External Webpages

- EOL
- EOL/CDS
- EOL/FPS

Catalog Resources

- Field Catalogs
- Catalog User Guide
- Upload Documents
- Contact Us

Social

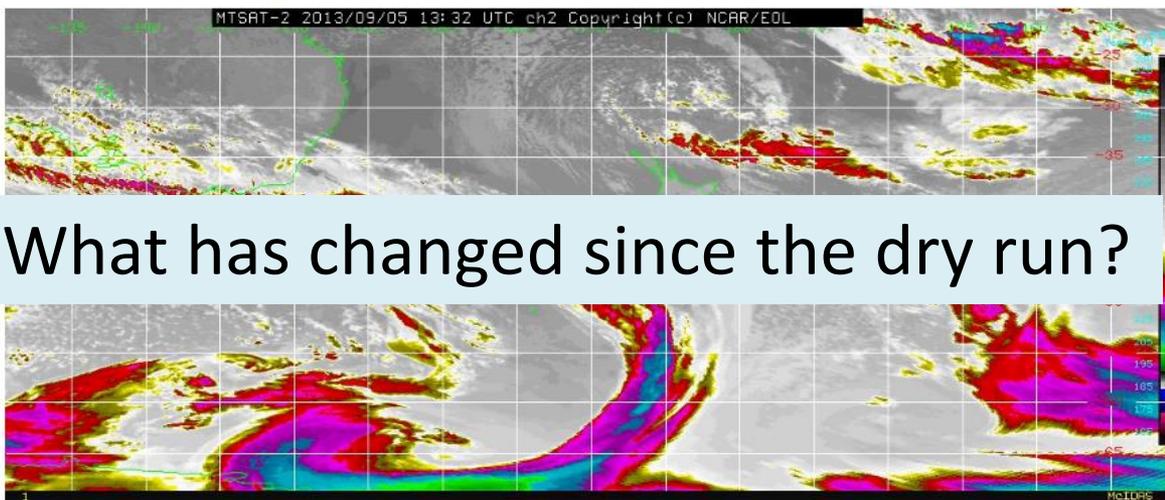
- EOL Facebook
- IRC Chat Access
- Request IRC Password: [catalog@eol.ucar.edu](mailto:catalog@eol.ucar.edu)

© 2014 UCAR. All Rights Reserved.

# DEEPWAVE\_2013 Field Catalog

## DEEPWAVE 2013 Dry Run

### MTSAT-2 IR Imagery



### Current Reports

- [Chief Scientist Summary](#)
- [Weather Discussion](#)
- [Predictability and Targeting 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)

### Project Time

UTC	Mon, Jan 20, 17:05 Z	Boulder, CO	Mon, Jan 20, 11:05 AM
Hobart, TAS	Tues, Jan 21, 3:05 AM	Christchurch, NZ	Tues, Jan 21, 5:05 AM
Oberpfaffenhofen, DLR	Mon, Jan 20, 7:05 PM	Honolulu, HI	Mon, Jan 20, 7:05 AM



#### Phone Numbers

Operations Center: XXX-XXX-XXXX  
 Operations Status Message: XXX-XXX-XXXX  
 Teleconference: X-XXX-XXX-XXXX  
 Teleconference: XXX-XXX-XXXX (Denver Local)  
 Access Code: XXXXXXX

#### External Webpages

[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](mailto:catalog@eol.ucar.edu)

# 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

# Field Catalog Products

## Satellite:

- Aqua-AIRS GW Radiances
- MTSAT-2 Channel Imagery
- CrIS, AMSU
- orbital swaths/overpass times
- cloud track winds
- ascat, windsat

## Radar:

- New Zealand coastal radars

## Surface:

- wx obs - NIWA AWS & met service stations, Australia
- others?

## Upper-Air:

- Constant Pressure Charts
- Sounding SkewTs – NZ, Australia
- ISS
- Field site SkewTs (incl ISS, DLR, NIWA?)
- Dropsonde skewT

## Field Catalog Products

### Model Forecasts (selected fields & levels: .

- ECMWF IFS & WRF
- NCEP GFS
- Navy COAMPS 15km
- Navy COAMPS Adjoint
- NIWA (NZLAM, NZCSM, UK cutout)
- NIWA X-sections
- WRF?
- GATS?
- NOGAPS Alpha

### Aircraft:

- GV Camera imagery
- GV Flight Track plot
- DLR position every 5 min

### Research Instruments:

- ground based instrument products
- GV MTM
- Lauder AMTM
- DLR Lidar

## Field Catalog Products

GIS Tools (Mission Coordinator, Catalog Maps):

- GV position and track updated every 5-10 sec
- DLR position and track
- Dropsonde locations, winds, skewTs
- MTSAT2 imagery
- selected model fields (which ones?)
- MTM Imagery? (post-flight)
- AMTM imagery?
- Reference layers (FIR Boundaries, other reference locations?)
- others?

## Field Catalog Products

### Reports:

- Weather Discussion
- Ops Plan of the Day
- Instrument Status Report (GV, DLR, ground sites)
- Mission Scientist Report (GV and DLR)
- Chief Scientist Summary
- Others?

# DEEPWAVE Field Catalog Schedule

- 2013 Dry Run Catalog will remain active
- Product list online for vetting, additions after this meeting
- 2014 Field Catalog expected to be on-line the week of 5 May  
<http://catalog.eol.ucar.edu/deepwave>
- New Products will continue to be added to the Catalog following availability in May (e.g. Research products as they come on-line)
- Several training sessions will be scheduled (including in-field)



gstoss@ucar.edu

## FTP site for “preliminary” or “field data”

- Active during the field campaign
- passwd-protected to limit access to participants only
- self-organized (planning required)
- Data removed after campaign ends
- Site deactivated after the campaign

## Final archive at EOL

- After the campaign, this link is redirected to the archive pages for DEEPWAVE
- Datasets to be uploaded after the campaign ends do not use field FTP site
- See instructions for Dataset submission at <http://www.eol.ucar.edu/projects/deepwave>