



VOCALS DATA MANAGEMENT UPDATE



Steve Williams and José Meitín



NCAR Earth Observing Laboratory

Boulder, Colorado

2nd VOCALS Meeting

Seattle, WA

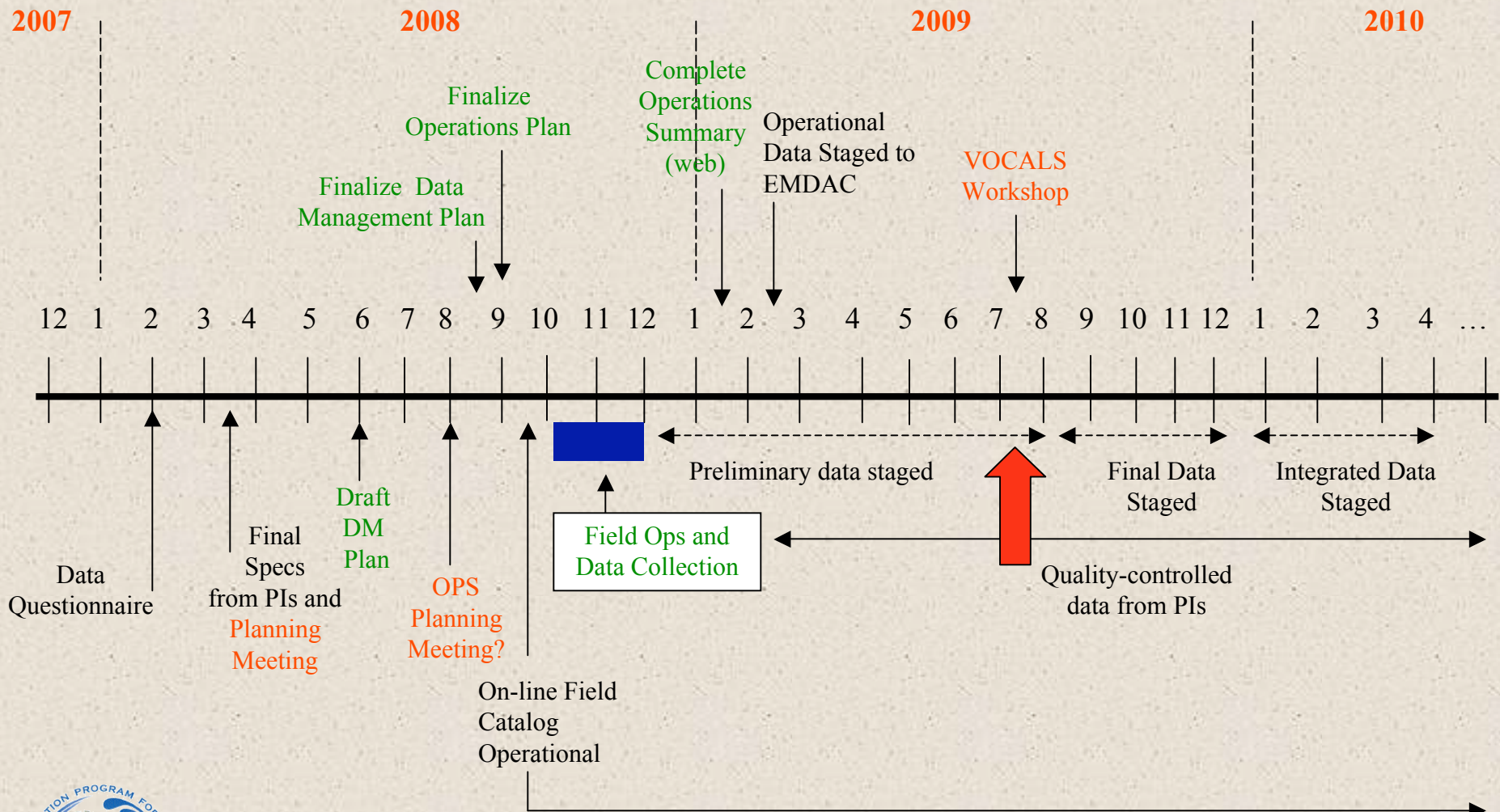
12-14 July 2009



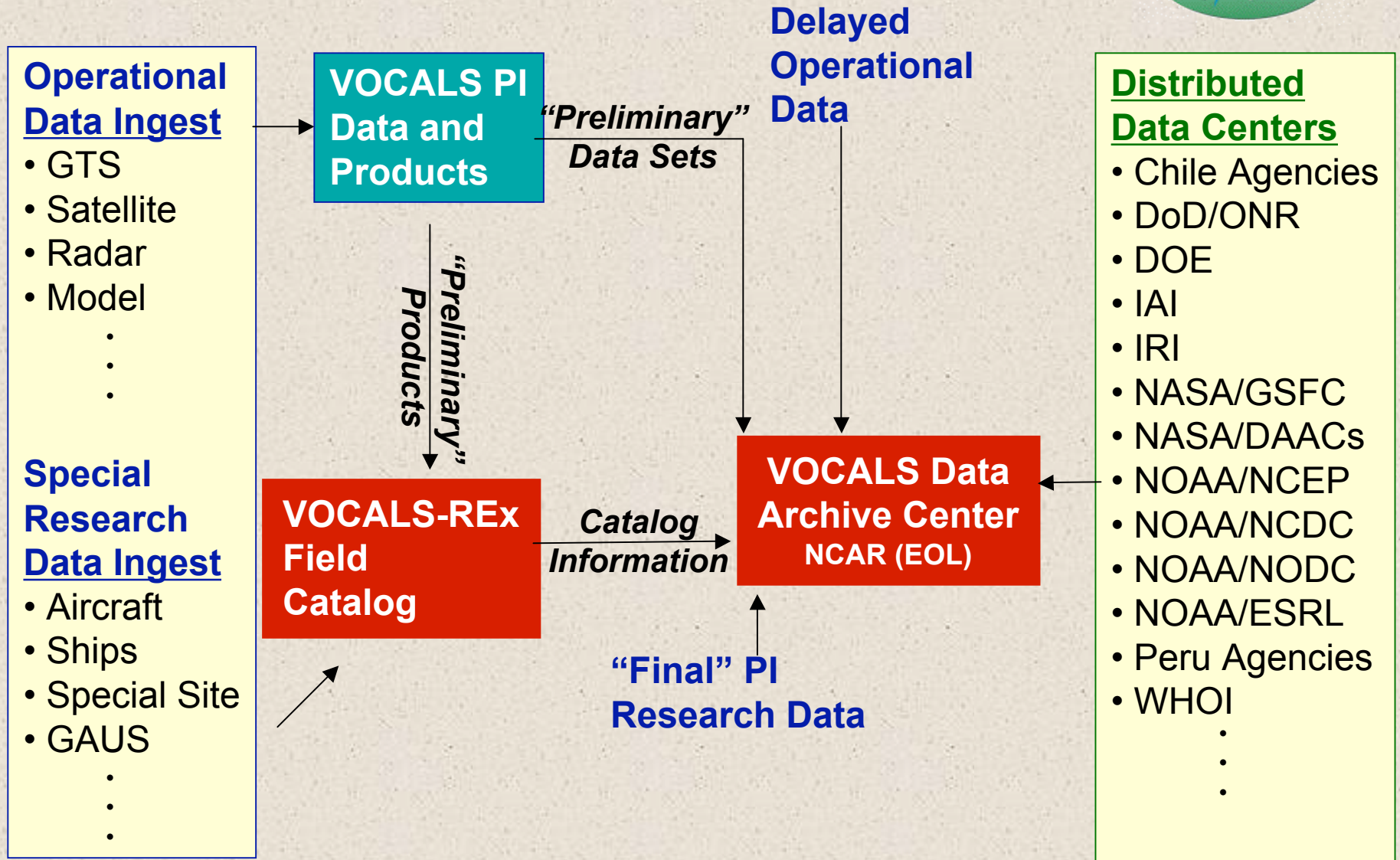
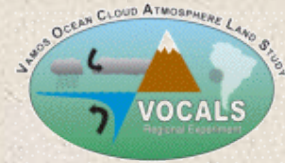
EOL VOCALS work supported by NOAA Climate Projects Office



VOCALS-REx Data Management Timeline



VOCALS-REx Data Flow





VOCALS-Rex Field Catalog

October-November 2008



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

Boulder: Fri, July 10, 2:59 PM UTC: Fri, July 10, 21:59 Z Arica, Chile: Fri, July 10, 6:59 PM



Quick Links:

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



Real-Time VOCALS kml

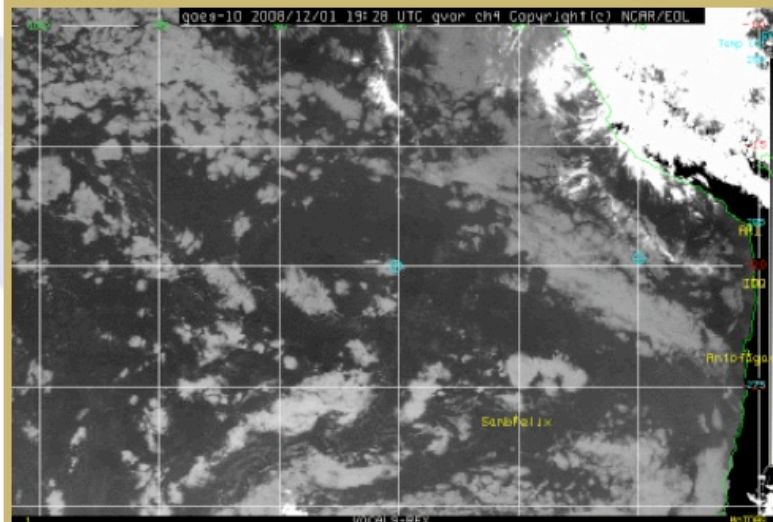
Ops center kml

(Download KML first, right-mouse click then open in GoogleEarth)

X-Chat instant access



Current Loop



Additional Satellite Imagery:

- Latest 4 hours Visible
- Latest 4 hours Ch4-Ch2 Diff

General Information:

- All-Hands Science Meeting
- Windows to the Universe
- The Alternative Guide to Arica

Information from Peru:

- VOCALS-Rex Peru
- National Weather Service
- IMARPE web site

Data Archive access:

- VOCALS Master List



Comments



University Corporation for Atmospheric Research
 PO Box 3000 Boulder CO 80307 USA



VOCALS-REx Field Catalog

October-November 2008



<http://catalog.eol.ucar.edu/vocals/>

- **Reports/Summaries (Status, Mission, and Operations)**
588 documents and 280 image files (0.32 GB)
- **Research Platform Products (Aircraft, Surface, Lidar, Upper Air)**
1,532 image files (0.44 GB)
- **Operational Products (Satellite, Surface, Radar, Upper Air)**
146,683 image files (30 GB)
- **Model Output Imagery (Analysis and Forecast Fields)**
675,811 image files (28 GB)

- **TOTALS: 826,056 Files (58.86 GB)**

VOCALS Master List



DATA BY CATEGORY

- Aircraft
- Ancillary
- Hydrology
- Land Based
- Model
- Oceanography
- Photography
- Radar
- Radiation
- Satellite
- Ship Based
- Upper Air

DATA BY SITE

- Antofagasta, Chile
- Arica, Chile
- Galapagos
- Iquique, Chile
- Papos, Chile
- Paranal, Chile
- St. Felix Is., Chile

[Back to VOCALS](#)

Email comments & questions to codiac@ucar.edu

Land Based: Precipitation

GPCP Global Daily 1-Degree Combination Data [NASA]	2003-06-03	
GPCP Global Daily Merged Precipitation Analyses Imagery [NASA]	2003-06-03	
GPCP Global Monthly 1-Degree Combination Data [NASA]	2003-06-03	
GPCP Global Monthly Merged Precipitation Analyses Climatology Data [NASA]	2003-06-03	
GPCP Global Monthly Merged Precipitation Analyses Imagery [NASA]	2003-06-03	
GPCP Global Pentad (5-Day) Precipitation Analysis [NASA]	2003-06-03	
NCEP/CPC Global CMAP Precipitation Analyses	2003-06-03	
NCEP/CPC Global CMORPH Precipitation Analyses	2003-06-03	
PERSIANN 1 x 1 degree Tropical Rainfall Data [NASA]	2003-06-03	
TRMM Real-time Rainfall Analyses (3-h) [NASA]	2003-06-03	

Model

ECMWF Global Grids [NCAR/SCD]	2003-05-29	
ECMWF Global Profiles [NCAR/EOL]	2009-02-18	
ECMWF Global T399 Forecast Products [NCAR/EOL]		
ECMWF Global T799 Forecast Products [NCAR/EOL]	2009-02-12	
ECMWF Ocean Products Imagery [NCAR/EOL]	2009-01-16	
ECMWF WRF T799 0.22deg Resolution Analysis [Gadian/Leeds University]	2008-10-17	
EDC 30 Arc-Second Elevation Data [EDC]	2003-06-05	
FLEXPART Model ESRL 25KM Forecast Product [NCAR/EOL]	2009-02-12	

New C-130 Data Release

archived 6/25/09

- No Changes to state, dynamic or thermodynamic variables
- Updated CDP bin sizes & concentration
- Updated PCASP bin sizes & concentration
- Updated FSSP concentration
- Special 2DC processing
- Updated O3 & CO concentrations

<http://www.eol.ucar.edu/projects/vocals/dm/>



DISTRIBUTED VOCALS LONG-TERM DATA ARCHIVE

- [Master List of all VOCALS international data sets \(with links and Platform Information\)](#)
- [VOCALS-REx Field Catalog](#)

DATA SUBMISSION

- [VOCALS Data Set Documentation Guidelines](#)
- [VOCALS Data Submission Instructions](#)

DOCUMENTS

- [VOCALS Data Policy - DRAFT](#)
- [VOCALS Data Management Plan](#)
- [VOCALS Field Operations Plan](#)

RELATED PROJECTS' DATA

- [CPC Real-time daily precipitation analyses for Mexico and the US](#)
- [Eastern Pacific Investigations of Climate \(EPIC-2001\)](#)
- [NAME Model Assessment Project \(NAMAP\)](#)
- [North American Monsoon Experiment \(NAME 2004\) Data Page](#)
- [International Research Institute \(IRI\) for Climate Prediction Data Library](#)
- [Pan American Climate Studies \(PACS\) Data Management Center](#)
- [PACS Research Sounding Network \(NOAA/NSSL\)](#)
- [SALLJEX Data Management Page](#)
- [Variability of the American Monsoon Systems \(VAMOS\) Data Information Server](#)
- [World Ocean Circulation Experiment \(WOCE, 1990-98\) Data Information Unit](#)

VOCALS REx Data Management Activities



- Continue to populate the Master List as datasets are submitted to the archive (over 400 expected)
- Add publication citations and documents to archive
- Complete moving field catalog imagery and supporting datasets into archive
- Upper air sounding processing and “composite” generation (common format with uniform QA/QC)
- Create C-130 aircraft “merged” dataset (flight parameter and PI data) at consistent temporal resolution
- Create combined multi-aircraft common parameter dataset in a consistent format
- Other “value added” products?





QUESTIONS?

CONTACT:

STEVE WILLIAMS

(sfw@ucar.edu)

JOSÉ MEITÍN

(meitin@ucar.edu)

