

CSET Web Site & Data Management

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NCAR Earth Observing Laboratory (EOL)

Computing, Data, and Software Facility (CDS)

CSET Science Meeting

Boulder, CO

14-15 June 2016



EOL CSET support sponsored by





Project Web Site at NCAR/EOL



- Project Description
- Data Archive
- Field Catalog
- Publications
- Meetings
- Education & Outreach
- Mailling Lists
- Contact Information

https://www.eol.ucar.edu/field_projects/cset

CSET DATA POLICY SUMMARY

- All investigators must agree to promptly submit their processed "preliminary" data to the CSET archive no later than 15 February 2016
- All "preliminary" data shall be provided to other CSET Investigators upon request (restricted as appropriate)
- During the initial 1-year data analysis period, data may be provided to a third party (outside CSET) <u>only</u> with the permission of the investigator(s) who collected the data
- All data will be considered public domain not more than one year following the end of the CSET project (15 August 2016)
- Any use of the data will, at a minimum, include acknowledgment or use of DOI. Co-authorship TBD with the investigator(s) who collected the data

CSET DATA MANAGEMENT MILESTONES

Event	Deadline	
End of Field Campaign	15 August 2015	
"Preliminary" Data Submission	15 February 2016	
Final Data Submission	15 August 2016	
Data Analysis Period (CSET Investigators have exclusive access to the data during this period). Data may be password protected	15 August 2015 to 15 August 2016	
Data becomes Public Domain	15 August 2016	

CSET Digital Object Identifiers (DOIs)

- DOIs becoming functional for proper citation of datasets (similar to publications).
- Provide users with a simple, standard way to reference datasets.
- Allows for the unique tracking of metrics for individual datasets.
- Allows for linking of related datasets and publications.
- NCAR has established a process for creating DOIs (DataCite Registration)
- DOIs are considered "perpetual" and provides proper attribution.

CSET Data Archive at NCAR/EOL

ATA BY CATEGORY	Aerosols ARM Gan Aerosol Optical Depth. derived from MFRSR/NIMFR (MFRSRAOD) VAP Data [Koontz, A. (ARM)]	2012-09-11					
	ARM Gan Aerosol Optical Depth, derived from MERSR/NIMER (MERSRAOD) VAP Data [Koontz, A. (ARM)]	2042.00.44					
TA BY CATEGORY		2012-09-11					
TA BY CATEGORY	ARM Gan Cimel Sunphotometer (CSPHOT) Data [(ARM)]		REA				
Accompanying Archives	ARM Gan High Spectral Resolution Lidar (HSRL) Data [(ARM)]	2012-08-02	REA PE				
Aerosols Aircraft	RV Mirai MAX-DOAS CO, NO2, Ozone, and AOD Data [Takashima, H. (JAMSTEC-Fukuoka Univ)]	Updated 2013-04-12	REA				
Ancillary Chemistry	R/V Roger Reveile Aerosol Ion Chemistry Data [Bates, T., and T. Quinn (NOAA-PMEL.)]	2013-02-28	RO				
Cloud Properties	R/V Roger Reveille Aerosol Light Scattering and Absorption Data (Bates, Quinn (NOAA-PMEL))	2013-02-28	FE				
lydrology ntercomparison	R/V Roger Reveille Aerosol Mass and Trace Elements Data (Bates, T., and T. Quinn (NOAA-PMEL))	2013-02-28	1				
.and Based .ightning	R/V Roger Reveille Aerosol Mass Spectrometry (AMS) Data [Bates, T., and T. Quinn (NOAA-PMEL)]	2013-02-28					
Model Oceanography	R/v Roger Reveille Aerosol Optical Depth Data [Bates, T., and T. Quinn (NOAA-PMEL)]	2013-02-28					
Photography Radar	R/V Roger Reveille Condensation Nuclei (CN) and Ultra Fine CN (UFCN) Data [Bates, T., and T. Quinn (NOAA-PMEL)]	2013-02-28	FE M				
Radiation Satellite	R/V Roger Revelle Water Isotopic Composition Data [Noone (CIRES,U.Colorado)]						
Ship Based Upper Air							
TA BY SITE	Aircraft						
Diego Garcia							
Maldives	Aircraft: CNES Falcon CNES Falcon Navigation and State Parameters						
to DYNAMO	DYNAMO Field Catalog Missions Summary ((NCAR-EOL))	2012-10-23					
comments & questions to	DYNAMO Field Catalog Reports (INCAR-EOL)]	2012-10-23					
ac@ucar.edu							
	Aircraft: NOAA P-3 (N43)						
	DYNAMO Field Catalog Missions Summary [(NCAR-EOL)]	2012-10-23	1				
	DYNAMO Field Catalog Reports [(NCAR-EOL)]	2012-10-23	1				
	NOAA P-3 1-Hz Navigation and State Parameters [Wang, Q. (NPS)]	2013-04-12	1				
	NOAA P-3 25-Hz Navigation and State Parameters [Khelif, D. (University of California-Irvine)]		-				
			1				
	NOAA P-3 50-Hz INS/GPS Data [Khelif, D. (University of California-Irvine)]	2013-09-23	READ				
	NOAA P-3 Airborne eXpendable Bathythermographs (AXBT's) [Wang, Q. (NPS)]	2013-09-23	REAC				
	NOAA P-3 Airborne eXpendable Conductivity Temperature and Depth Probe (AXCTD) Data [Wang, Q. (NPS)]	2013-09-23	REAG				
	NOAA P-3 Cloud Microphysics 1-Hz Data [Chuang. Patrick and Mikael Witte (UCSC)]	2014-03-04	READ				
	NOAA P-3 Corrected Radiometric SST Data [D. Khelif (University of California-Irvine)]						
	NOAA P-3 Dropsonde High Resolution L3 Data (EOL format) [(NCAR-EOL)]	2012-02-21	READ				
	NOAA P-3 Infrared Camera Ocean Skin Temperature Imagery [Zappa, C. (LDEO)]						
	NOAA P-3 Radiation Data [Bucholtz, A. (NRL)]						
	NOAA P-3 Riegi LMS Q240i Scanning Lidar Data [Khelif, D. (University of California-Irvine)]		<u> </u>				
	NOAA P-3 Soundings Derived from 25 Hz Data [Khelif. D. (University of California-Irvine)]	Preliminary 2013-09-23	READ				
	NOAA P-3 Tail X-band Doppler Radar [Jorgensen, D. (NOAA-NSSL)]	2013-03-15	FERD HE				
	NOAA P-3 Tail X-band Doppler Radar Gridded Dual-Doppler Data [Jorgensen, D. (NOAA)]	2013-11-15	FERO				
	Ancillary						
	Bureau of Meteorology MJO Monitoring Imagery ((Bureau of Meteorology))	2013-01-02	-				
	DYNAMO Chat Logs ((NCAR-EOL))	2013-01-02					
	DYNAMO Ciral Logs [[NGAR-EOL]] DYNAMO Field Catalog Missions Summary [(NCAR-EOL)]	2012-10-23	-				
	DYNAMO Field Catalog Reports (INCAR-EOL)	2012-10-23					

- Linked on the CSET home page
- Data organized by categories and sites
- Includes operational as well as research data sets
- Data sets and documentation linked as they become available
- Notification of updates to data sets
- Research data sets will be password protected as required by the CSET Data Policy

CSET Dataset Submission Instructions

CSET Data Submission Instructions

The CSET home page contains relevant links to project and data documentation, distributed data access, and other collaborating projects' data sets.

An initial master list of all CSET international data sets (with links) has been compiled to provide easy access to all CSET data sets (both operational and research). Data sets are grouped by platform and sorted by data type (i.e., aerosol, cloud properties, radar, satellite, etc.). This list will be updated frequently. It is available directly at CSET Master List.

If you collected data for CSET, please review this list to verify that your data set(s) are properly named with the appropriate Principal Investigators (PIs) identified. Please e-mail any corrections, additions, or deletions directly to the EOL Data Archive. If you already have your data sets available on-line, please provide the web link or FTP access information. Once your data set (with metadata) is available, a link will be provided from the master list web page along with a submission date to track future data set upgrades or revisions (if needed).

Please submit your data set(s) (including accompanying metadata or documentation files) to the CSET Longterm Data Archive at NCAR Earth Observing Laboratory. Data set (and metadata) documentation guidelines are available by direct link at: CSET Data Set Documentation ("Readme") Guidelines.

To expedite matters, the EOL has established an anonymous FTP capability to accept your CSET data set(s). The Internet address is:

FTP: ftp.eol.ucar.edu Login: anonymous (*No password required.*) cd /pub/data/incoming/cset (*NOTE: This command should be done all in one step.*)

It is very important to send an e-mail to the EOL Data Archive indicating that the data file(s) have been FTPed, along with the file(s) names, data contact information, any data restrictions, and appropriate file documentation (i.e., authorship information including corresponding author(s), data formats, descriptions, acknowledgments, and metadata). Documentation files may be e-mailed to the EOL Data Archive directly if preferred.

Password protection is available for this data set upon request. The data set will not be password protected unless requested at the time of submission. If password protection is requested, you will receive a project-specific "user ID" and "password." If you require additional security, please contact the EOL Data Archive to request a unique "user ID" and "password" for your data. For users without direct Internet access, or if your data set(s) are too large to FTP, you may send digital file(s) on magnetic or optical media (with documentation) by conventional mail to the EOL shipping address below.

Thank you very much for your assistance in providing final data to the CSET archive. Feel free to contact the EOL Data Archive should you encounter any problems or have any questions.

- Provides the instructions for submitting data to the CSET Data Archive after the field phase.
- Important to send an email to <u>sfw@ucar.edu</u> when submitting data sets.
- These instructions are different from those for uploading products to the field catalog.
- There is no specified naming convention for data sets submitted to the CSET Data Archive.







July 1, 2015 to August 15, 2015 Project Location: Sacramento, CA - Kona, HI

What's New?:

CSET Science Meeting, NCAR Foothills Lab, FL1-2042, 14-15 June 2016

Submit Data to the Archive



Project Description:

The Cloud Systems Evolution in the Trades (CSET) study was designed to describe and explain the evolution of the boundary layer aerosol, cloud, and thermodynamic structures along trajectories within the north-Pacific trade-winds using the NSF/NCAR Gulfstream V (HIAPER). This effort included characterization of the cloud, precipitation and aerosol fields in the stratocumulus and the fair-weather cumulus regimes within the subtropical easterlies over the northern Pacific. These characterizations along trajectories were designed to aid in our understanding and simulation of the transition between the two convective regimes— a critical factor in the climate system. LES models have become a robust tool for Lagrangian simulations of subtropical cloudiness transitions, but there are few good datasets for comprehensively testing these simulations. In particular, we lack adequate observations of the coupled evolution of aerosol, cloud droplet number concentration and precipitation during such transitions. Thus, the observing strategy was to sample

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Data Access Field Catalog

DATA ACCESS

DATA DOCUMENTATION

HIAPER Documentation Summary Data Set Documentation ("Readme") Guidelines CSET Data Policy CSET Data Submission Instructions

MEETINGS AND PRESENTATIONS

CSET Meetings and Presentations

CSET EDUCATION & OUTREACH

CSET Educational Module

FACILITIES & PLATFORMS

HIAPER Gulfstream GV

INSTRUMENTS

HIAPER Cloud Radar (HCR) High Spectral Resolution Lidar (HSRL) Holographic Detector for Clouds

New Publication Submission Form

The first submission causes the Publications Page to be created – something we had to do manually before.

Submit a publication yourself or contact us.

Publication Reference Submission

To submit a publication reference, please fill out the form below.

Reference *

Doe, J., and M. Smith, 2010: Publication Title. Journal, 54, 234 - 240, doi: 10.1029/exampleDOI555.

Enter a full publication reference above. AMS reference format (as shown in the example) is preferred.

Publication DOI (or URL)

http:// dx.doi.org/10.102doi_example.555 Enter the DOI for the publication above. If a DOI is not available enter the URL of the online publication.

Publication Type *

Publications

Select the category associated with this reference (publication, conference proceeding, report, etc.)

Corresponding Author *

Full name of the main author associated with this publication.

E-mail *

Enter the e-mail of the corresponding author above.

Organization/Institution *

Enter the corresponding author's organization or institution above.

Related Field Project(s) *

Enter the field project acronym(s) associated with the publication (e.g. PECAN, DYNAMO, ACADIS, etc.).

EOL Facility/Instrument

Please list any EOL observing facilities, platforms or instruments that generated datasets used in this publication.

Submit

CSET Publications Library



- Will provide links to all CSET publications
- Includes refereed papers, conferences, reports, and theses.
- Needs the input of investigators.
- Can also include papers in submission stage (via password protection) if desired.



CSET Science and Planning Meeting, April 28-29, 2015

NOTE: The presentations are password protected for CSET Investigators only. For access, please contact the Principal Investigators listed in the CSET Contacts Section below.

Meeting Summary/Action Items

Tuesday, 28 Apr 2015

Location: EOL Atrium, NCAR Foothills Lab, 3450 Mitchell Lane, Boulder, CO.

Introduction and Logistics					
0830	Welcome (Vanda Grubišić)				
0835	Introduction/Agenda (Lou Lussier)				
0840	Science Overview (Bruce Albrecht)				
0900	Schedule/Travel/Logistics (Lou Lussier, Rob Wood)				
Instrume	ntation Overview/Discussion				
0930	GV Aircraft and Standard instrumentation (Lou Lussier)				
0935	In Situ Gas Phase Tracer Measurements During CSET (Teresa Campos)				
0945	CSET Cloud and Aerosol instruments (Jeff Stith)				
1000	HOLODEC (Susanne Glinke)				
1010	Break				
1030	NCAR/NSF G-V Automated Dropsonde System (Terry Hock)				
1045	HSRL (Bruce Morley)				
1100	Microwave Temperature Profiler and Other RAF Radiometers for CSET (Julie Haggerty)				
1120	HIAPER CLOUD RADAR: Instrument Operations and Data Quality (Peisang Tsai)				

DATA ACCESS

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Data Access Field Catalog

DATA DOCUMENTATION

HIAPER Documentation Summary Data Set Documentation ("Readme") Guidelines CSET Data Policy CSET Data Submission Instructions

MEETINGS AND PRESENTATIONS

CSET Meetings and Presentations

CSET EDUCATION & OUTREACH

CSET Educational Module

GV INFORMATION

GV Upload Schedule GV Cabin Layout; Wings Shipping information Flight Schedule Flight Hours

C SET GALLERY

CSET Photo Gallery

.... Finally, please provide a final copy of your PPT presentation for this Meeting.

A PDF and/or PPSX copy of your presentation (not the PPT file) will be posted on the CSET web site (password protected)



Thank you! Questions?

https://www.eol.ucar.edu/field_projects/cset

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