

SAS Data Meeting Wrap- Up

Presentations

- Talks will be posted at NCAR EOL unless the presenter objects
- Posters can be posted as well. Please email to Vidal Salazar (vidal@ucar.edu)
- Presentations will be password protected

Data

- NOMADSS data reside at NCAR EOL (Steve Williams; sfw@ucar.edu): <https://www.eol.ucar.edu/projects/sas>
- SENEX and SOAS ground site data reside at NOAA (Ken Aikin; kenneth.c.aikin@noaa.gov): <http://www.esrl.noaa.gov/csd/projects/senex/> N.B.: FTP server will gradually be retired

SAS Web Site at NCAR/EOL

About EOL Our Organization Field Projects Facilities & Instruments Request Facilities Data & Software News & Events Help

NCAR UCAR EOL Earth Observing Laboratory Development • Deployment • Data • Discovery My account Log out

View Edit Revisions

SAS Southeast Atmosphere Study

May 14 2013 to July 31, 2013 Project Location: southeastern United States
[What's New?](#)

Registration is now open for the Southeast Atmosphere Study Data Workshop (which includes NOMADSS) to be held at NCAR in Boulder, CO from 9:15 to 4:00 pm on Monday morning until Wednesday noon. Please visit the workshop webpage [here](#). The agenda is now available.

The SAS e-mail list was created to facilitate communication about the upcoming Southeast Atmosphere Study (SAS) Workshop. To subscribe or to manage your subscription, go to <http://www.eol.ucar.edu/mailman/listinfo/sas>.

Project Description:



The Southeast Atmosphere Study (SAS) is a collaboration that brings together resources and facilities from NSF, NOAA, EPA, and EPRI. The SAS is the "umbrella" for the NOMADSS, SOAS, NAAMEX, TROPHONO, and SENEX projects. SAS's main purpose is to ensure that the objectives of the individual projects are coordinated.

The field phase for the SAS will be 1 June 2013 through 15 July 2013 and is generally focused in the southeastern United States. All science platforms (i.e., NSF/NCAR C-130, NOAA WP-30, Purdue Outcast, and Starbuck Lens SZ) and ground based facilities (i.e., Centreville and Alabama Aquatic Biodiversity Centre (AABC), Alabama, Look Rock, Tennessee; and Research Triangle Park (RTP), North Carolina) are involved in the SAS. The individual project descriptions and objectives are described below.

COMPLETE LIST OF SAS INVESTIGATORS FUNDED BY NATIONAL SCIENCE FOUNDATION

Site maps:



NOMADSS
Nitrogen, Oxidants, Mercury and Aerosol Distributions, Sources and Sinks
The Nitrogen, Oxidants, Mercury and Aerosol Distributions, Sources and Sinks (NOMADSS) project integrates three proposed studies: the Southern Oxidant and Aerosol Study (SOAS), the North American airborne Mercury Experiment (NAAMEX), and the INOspHERE HONO (INO-HONO).

The merge of the SOAS, NAAMEX, and TROPHONO field campaigns on the C-130 platform provides the opportunity to address the objectives and science questions for the three respective projects summarized below.

NOMADSS Principal Investigator: Dan Jaffe, UW

SOAS
Southern Oxidant & Aerosol Study
The SOAS objectives include the direct quantification of VOC, ozone and NO_x surface



DATA ACCESS

Data Access
Field Catalog

DATA DOCUMENTATION

Read Data Policy
Data Submission Instructions
Dataset Documentation Guidelines
SOAS/NOMADSS ICARTT Data
Formatting Submission Instructions -
ICARTT File List
ICARTT Data Format Description
SOAS ISF Pages - ISF5 and ISF6

FACILITIES & PLATFORMS

C-130

PUBLICATIONS

NOMADSS Publications
SOAS Publications

DOCUMENTS

NOMADSS
NOMADSS Operations Plan version 1.0
May 2013
NOMADSS White Paper

SOAS
SOAS White Paper
SOAS Atlas 1.4

SENEX
SENEX White Paper

MEETINGS AND PRESENTATIONS

SAS Meetings and Presentations
NOMADSS Meetings and Presentations
SOAS Meetings and Presentations
Informed SOAS Telecons and Meetings

LOGISTICS

Follow @SAS_Operations

NOMADSS
Site Logistics
Aircraft Logistics
SAS-NOMADSS All Flight Tracks
SAS-NOMADSS Project Information


SOAS
SOAS Logistics (i.e., instrumentation, trailer, launch, etc.)
Comprehensive SOAS Logistics general url

RELATED LINKS

- Project Description
- Data Access & Field Catalog
- Publications
- Documentation
- Meetings and Presentations
- Mailing Lists
- Education and Outreach
- Related Web Pages
- PI and Contact Information

<https://www.eol.ucar.edu/projects/sas>

SAS Data Archive (Master List)

SAS Data Sets 








DATA BY CATEGORY

- Accompanying Archives
- Aircraft
- Ancillary
- Forecast Text Products
- Land Based
- Model
- Photography
- Radar
- Satellite
- Upper Air

[Back to SAS](#)

Email comments & questions to codiac@ucar.edu

Data Set Name (Responsible Group/PIs shown in parentheses)	Date Posted	Info
Accompanying Archives		
EPA STORET Data Warehouse [(EPA)]	2013-11-07	
SOAS and SENEX NOAA Data (SENEX password required) [Aikin, Ken (NOAA)]	Updated 2014-03-13	
Southeastern Aerosol Research and Characterization (SARCA) Study Data Archive [(ARA)]	New 2014-03-03	
Aircraft		
SAS Chat Logs [(NCAR-FOL)]	New 2014-03-21	
Aircraft: NOAA P-3 (N42)		
SDAS and SENEX NOAA Data (SENEX password required) [Aikin, Ken (NOAA)]	Updated 2014-03-13	
Vertical Wind Data from NCAR C-130 and NOAA P-3 Comparison Flight [Damiano, Barry (NOAA-AOC)]	2013-12-23	
Aircraft: NSF/NCAR C-130		
NSF/NCAR C-130 IONOSPHERE Particulate Nitrate and Nitric Acid Data [Xianliang Zhou/Wadsworth Center NY/SUNY Albany]	New 2014-03-26	
AeroLaser Vacuum Ultra Violet (VUV) Fluorescence In Situ Carbon monoxide (CO) mixing ratio [Campos (NCAR-ESL-CAR)]	New 2014-03-31	
CU CIMS HO₂, HO₂+RO₂ [Cantrell, Chris (CU-ATOC)]	Preliminary Updated 2014-03-12	
CU CIMS OH, H₂SO₄, sCl₂ [Mauldin, Roy Lee (CU-ATOC)]	New 2014-02-04	
CU Fluorescence SO₂ [Mauldin, Roy Lee (CU-ATOC)]	New 2014-02-04	

http://data.eol.ucar.edu/master_list/?project=SAS



Coordinating Activities

SAS
NAAMEX
TROPONO
SOAS

Southeast Atmosphere Study
2013 Google+ Community

SENEX White Paper

SOAS 2013 Centreville Site Data Download

Ground site: 1 June - 15 July, 2013

Each file contains data for entire measurement period.

Click an icon to download that file.

Data revision is indicated by R followed by a letter (preliminary) or a number (final data).

A indicates files in ICARTT ascii format.

A indicates files in Igor binary format (downloaded as zipped file containing folder of Igor files).

Data options:

- Check the [Notices](#) page for notes about updates
- Check the [Data Plots](#) page for 'quick look' plots.
- Check the [log file](#).
- See the [SOAS Site Instruments table \(Google Doc\)](#) for measurement details.

Aerosol_Continuous	Rev	Modification Date
S-A05-UVAerosolExt	RB	20131231
S-A05-UVAerosolExtAncillary	RB	20131231
S-A07-MistChambersNegative	RO	20140203
S-A07-MistChambersPositive	RO	20140203
S-A10-BC-MAAP	RA	20130706
S-A10-WSOC	RA	20131122
S-A11-Bscat	RA	20131227
S-A12-Anions	RA	20131122
S-A12-Cations	RA	20131122
S-A15-GTAMS	RA	20130630
S-A15-MAPS	RA	20130706

Data Files

Include as much metadata with your data file as possible:

1. inlet heights
 2. sources of uncertainty
- etc.

Modeling Data

Please consider to make modeling data available along flight tracks and at locations of the ground sites

Deadlines

- NOMADSS: July 15 final merge
Request need to be made to postpone making things not public January 15, 2015
- SOAS: preliminary data July 30, 2014; data go public July 30, 2015
- SENEX: most data are available now; data will go public 2 years end of mission

Data Policy

NOMADSS: www.eol.ucar.edu/node/4523

SENEX & SOAS: www.esrl.noaa.gov/csd/projects/senex

Summary: Consult with your colleagues when you use their data in a presentation or paper and offer co-authorship

AGU Fall Meeting

- Will be proposing one session jointly with SEAC4RS:
- “Tropospheric Chemistry and Aerosols in the Southeast US”
- Conveners: Jacob, Carlton, de Gouw, Stutz
- Invitation will be extended to DC3 and DISCOVER to join

AAAR

- Orlando, FL
- October 20-24, 2014
- “Air Quality and Climate in the Southeast US: Insights from Recent Measurement Campaigns” special symposium
- Deadline this Thursday



Journal Special Issues

- ACP: need guest editors, please suggest, preferably from outside our community...
- AMT: id.
- Please make sure to add “Southeast Atmosphere Study (SAS)” to all your publications (keyword and/or abstract).
- Please recognize your funding agencies!

BAMS Paper

BAMS paper to be submitted Summer 2014:

- based on SOAS, SENEX, TROPHONO and NAAMEX White Papers and STAR RFA language
- Introduces platforms, instruments, flights, and data sets
- Proposal approved by BAMS

Overview Papers

- Further overview paper(s) as needed to describe the study design
- In AMT

Coordination of Publications

- Joost de Gouw (Joost.deGouw@noaa.gov) will keep a master list of all papers in various stages of preparation, review and in press
- Send me your preliminary titles!
- In the absence I will start with contributions to this meeting

Synthesis Groups

Biogenic-Anthropogenic Interactions in the SEUS Major science questions:

1. Nitrogen chemistry during day and night
Leads: Brown, Cohen
2. Anthropogenic emissions and trends in ambient data
Leads: Jaffe, Warneke, Shaw
3. Biosphere-atmosphere exchange
Leads: Guenther
4. CCN, physical and radiative properties of aerosol
Leads: Brock, Nenes
5. Gas-phase and multi-phase chemical mechanisms
Leads: Wennberg, Turpin
6. Organic aerosol budget
Leads: Surratt, Jimenez, Goldstein, Carlton, de Gouw

Communication

Use SAS email list (sas@eol.ucar.edu) for future communication

Questions, Comments?

- Juelich (L. Hacker; L.Hacker@fz-juelich.de) is interested to get small trees from Centerville and Look Rock
- More coordination on modeling needed?
- Add intercomparison to your paper as appropriate

Thanks!

Reed Summers

Patti Kidd

Barb Petruzzi

Vidal Salazar

Louisa Emmons