



Project Management Overview

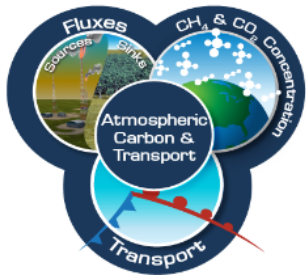
Mike Obland¹, Ken Davis², Gao Chen¹, Bing Lin¹, Denise Lineberry¹,
Byron Meadows¹, Jennifer Renoe², Diane Zeimet³

¹ NASA Langley Research Center

² The Pennsylvania State University

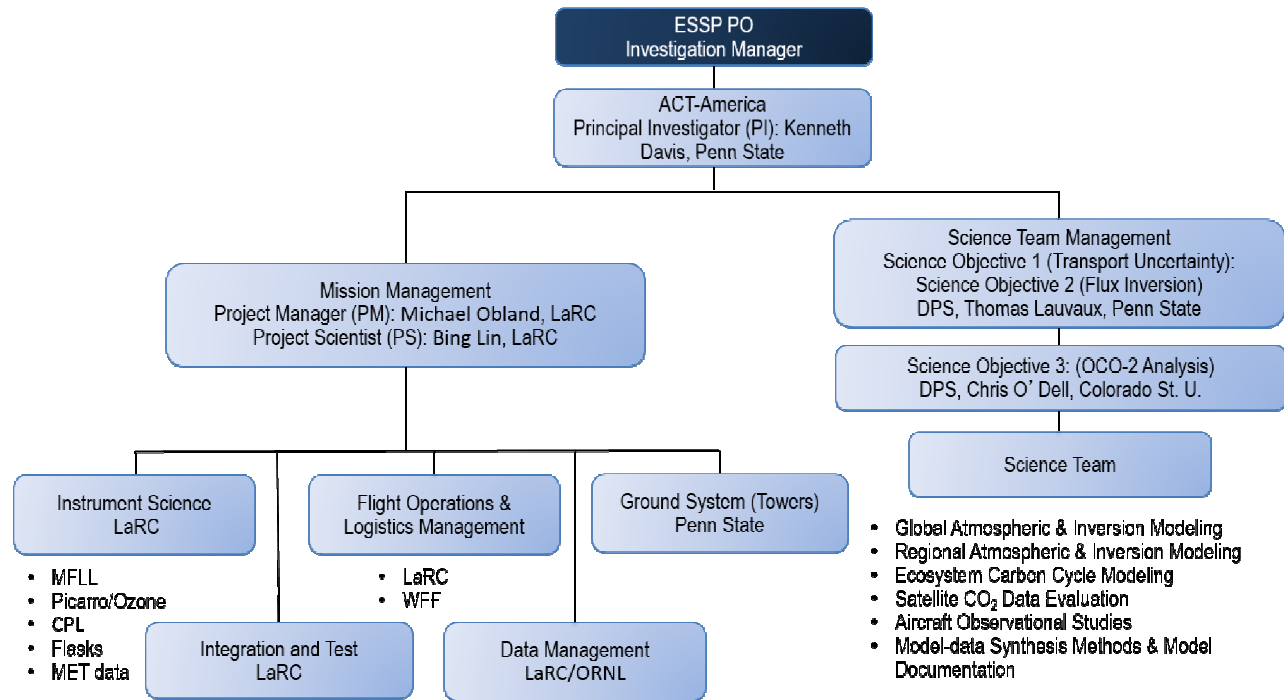
³ SSAI

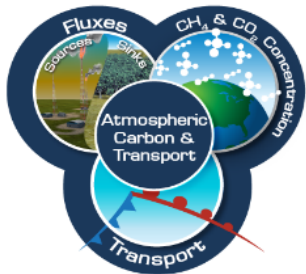




Management Structure: who does what and who do you contact when you need help?

- PI: Ken Davis
- PM: Mike Obland
- PS: Bing Lin
- Aircraft: Byron Meadows
- Instruments: Amin Nehrir
- Ground Systems: Natasha Miles and Scott Richardson
- Data Management: Bob Cook and Gao Chen

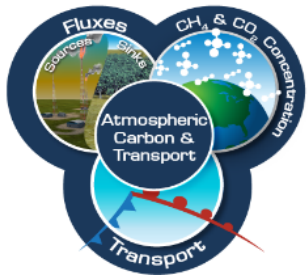




Working Groups

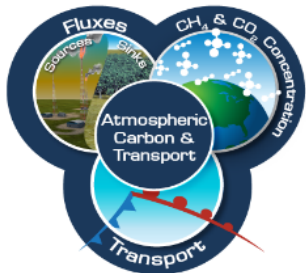
- **Executive group:** Weekly teleconferences. Provide PI, PM and PS guidance on overall project management and decision making. **Davis**, lead.
- **Management and implementation groups:**
 - **Instrument group:** Bi-weekly discussions to prepare instruments for aircraft integration, deployment, flight facilities. **Meadows**, lead.
 - **C-130 modifications group:** Bi-weekly discussions to provide feedback to contractors and NASA Wallops Flight Facility on C-130 modifications for science. **Valliant**, lead.
 - **Data management group:** Monthly discussions preparing data flow and management structure for observations and models. **Lauvaux**, lead.
 - **Flight planning group:** As needed. Review flight plans for scientific robustness and practical feasibility. **Lin**, lead.
 - **Modeling and model integration group:** To be initiated. Integration of models and preparation for model-data evaluations. **Lauvaux**, lead.
- **Science objective groups:** To be initiated after the August science team meeting.
 - Flux inversion and transport evaluation group. **Lauvaux**, lead? (interwoven objectives)
 - OCO-2 evaluation group. **O'Dell**, lead?
- **Whole science team:** Monthly telecons. **Davis**, lead.

Please contact **group lead** if interested in joining!



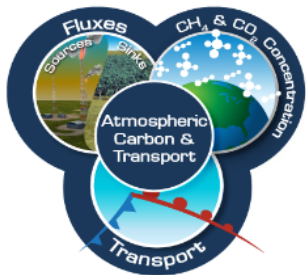
Budget Management: How does funding work?

- NASA is funded on fiscal years beginning every October 1
 - Most science team funding will be on project years starting February 1
- Your travel and publication funds are held in project management funds
 - Work with Diane Zeimet for travel
 - Email me with your publication charges
- This is the Government, so contract changes, funding approvals, etc. take time
 - Questions and reminders are welcome!



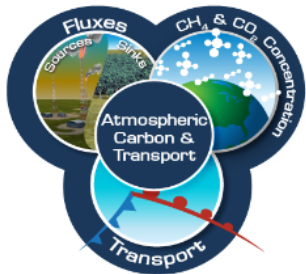
Schedule

Date	Milestone
February 1, 2015	Project Start Date
February 3, 2015	Project Kickoff Meeting
June 26, 2015	C-130 modification begins
August 12-13, 2015	Science Team Meeting / HQ Science Review
August 14, 2015	ESSPPO Confirmation Assessment Review
October, 2015	C-130 returns to Wallops
September 30, 2015	NASA Science Mission Directorate Confirmation Review
October, 2015	Complete instrument mounts and science instrument fit checks
November 30, 2015 – January 14, 2015	Science instrument upload
Test Flights:	
January 15, 2016	Final Installation and Inspection Review
January 19, 2016	Flight Readiness Review
January 21, 2016	Airworthiness Test Flight (approx. 3 flight hours)
January 25 – March 1, 2016	Project Test Flights (approx. 8 flight hours)
Fall 2016	Science Team Meeting / HQ Science Review
Summer 2017	Science Team Meeting / HQ Science Review
Fall 2018	Science Team Meeting / HQ Science Review
9/1/2018 – 1/31/2020	Analysis and Project Closeout
Summer/Fall 2019	Science Team Meeting / HQ Science Review
Winter/Spring 2020	HQ/ESSPPO Closeout Review



Schedule

Season	Fall 2015	Win 2016	Spr 2016	Sum 2016	Fall 2016	Win 2017	Spr 2017	Sum 2017	Fall 2017	Win 2018	Spr 2018	Sum 2018	Fall 2018
No back-back campaigns				X		X		X			X		X
End on summer campaign				X		X			X		X	X	



Website

<http://www.act-america.larc.nasa.gov>

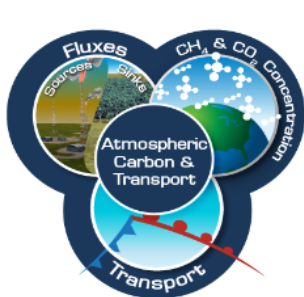
Purpose: To make information about ACT-America accessible to the PUBLIC.

What's there?: Overviews, multimedia, highlights, participants, calendar, more coming soon ...

Who manages it? The Science Directorate communications team at LaRC with input from participants.

Have a news highlight, images or other information that the public may like to see? Email Denise Lineberry @ denise.a.lineberry@nasa.gov

Interested in blogging on behalf of ACT-America for the Earth Observatory's 'Notes from the Field' blog? 3-4 interested bloggers are needed to update the blog with creative, first-person posts with images from the field. At least one post per 2 weeks is recommended. Email Denise Lineberry if you are interested.



Home

Science

Instruments

Participants

Planning

Data

Events

Education

Multimedia

Contacts

ACT-America Mission News

07.16.2015: Battling Wildfires from Space: NASA Adds to Firefighters' Toolkit

07.01.2015: NASA Takes to Kansas Skies to Study Nighttime Thunderstorms

05.28.2015: Blue Aurorae in Mars' Sky Visible to the Naked Eye

05.11.2015: NASA Airborne Mission to Focus on Polar Winds

05.06.2015: Pollution Monitoring Instrument Passes Critical NASA Review

05.04.2015: Bringing NASA satellite data down to Earth

04.27.2015: NASA Langley Selected to Provide Validation Data for European Air Quality Mission

04.23.2015: NASA Langley Celebrates its Favorite Planet

02.25.2015: European Space Agency Delivers Earth-observing Component to NASA

02.25.2015: GLOBE Educators From Across the Nation Brush Up on Earth Science Teaching

Mission Highlights



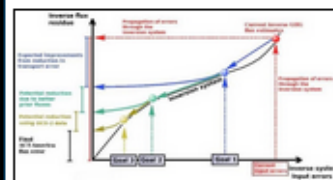
ACT-AMERICA Study Area

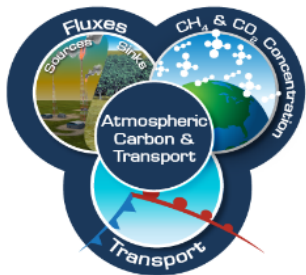
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Our Mission



ACT-America, or Atmospheric Carbon and Transport – America, will conduct five airborne campaigns across three regions in the eastern United States to study the transport of atmospheric carbon. Each 6-week campaign will accurately and precisely quantify anomalies in atmospheric carbon, also known as Carbon Flux. Accurate carbon flux data is necessary to address all terrestrial carbon cycle science questions. ACT-America addresses the three primary sources of uncertainty in atmospheric inversions — transport error, prior flux uncertainty and limited data density.





Groupspaces

- <http://groupspaces.com/ACT-America/>

- File sharing site and management of working group email lists
- Contact Jenn Renoe (PSU) for questions!

ACT-America

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About this group

☒ [Contact the manager of this GroupSpaces group](#)

Category: Other

This group is for members only.

News & Announcements

[ACT America science team meeting agenda](#)

E-mail sent by [Ken Davis](#), Thursday, July 30th, 2015 @ 3:33pm

Greetings! Attached is the agenda for the first ACT America science team meeting, 12-13 August in Newport News, VA. Please take a look at the agenda. Many of you are being asked to contribute to presentations or discussions. Leads for these presentations and discussions will be contacting you prior to the meeting.

If you have any suggestions or think we are missing a discussion or topic, please let me know (and perhaps copy Bing Lin or Mike Obland - I will be on vacation next week). I'm looking forwards to a productive and envigorating gathering!

Ken

[Summer Kick Off Meeting](#)



Wednesday, August 12th, 2015 (all day), Thursday, August 13th, 2015 (all day)
Location: Marriott in Newport News, VA

This meeting will be held at the Marriott Newport News City Center on August 12-13, 2015. We...

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14 people are attending
You are attending

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[Summer Kick Off Meeting](#)

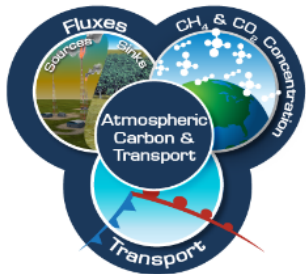
Wednesday, August 12th, 2015 (all day)

Members



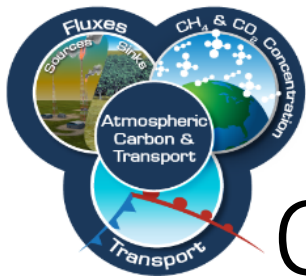






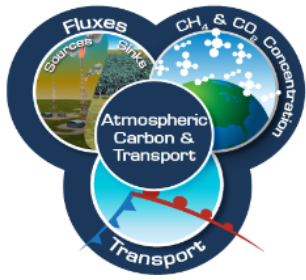
Observational data products and submission schedules

Data product	Data Latency		Co-I	Data Format	Platform
	Quick-Look.	Final			
Column CO ₂	1 day	6 mo.	Dobler	HDF 5	C-130
ABL Height	1 day	6 mo.	McGill	HDF 5	C-130
CO ₂ , CH ₄ , CO	1 day	6 mo.	Yang	ICARTT	C-130
O ₃	1 day	6 mo.	Yang	ICARTT	C-130
CO ₂ , CH ₄ , CO, ¹⁴ CO ₂ , COS	1 mo.	6 mo.	Sweeney/Miller	ICARTT	C-130
Lat, lon, Alt, T, P, Winds, H ₂ O	1 day	6 mo.	NSERC	ICARTT	C-130
CO ₂ , CH ₄ , CO	1 day	6 mo.	Yang	ICARTT	B-200
O ₃	1 day	6 mo.	Yang	ICARTT	B-200
CO ₂ , CH ₄ , CO, ¹⁴ CO ₂ , COS	1 mo.	6 mo.	Sweeney/Miller	ICARTT	B-200
Lat, lon, Alt, T, P, Winds, H ₂ O	1 day	6 mo.	Barrick	ICARTT	B-200
CO ₂ , CH ₄ , H ₂ O	1 day	6 mo.	Miles	ICARTT	Ground



Project Data Repository for Observational Data Products

- **Observational Data URL:** <http://www-air.larc.nasa.gov/missions/ACT-America/index.html>
- Data repository will be open 1 month before the 1st deployment and will be used for both preliminary and final data
- The preliminary data will be limited to science team and partners only; but the final data will be open the public
- Data submission procedures:
 - ✓ Register dataID (less than 5 minutes)
 - ✓ Scan filename for both HDF and ICARTT files to ensure naming convention compliance
 - ✓ Scan ICARTT file for format compliance
- For data upload and download issues, please contact: Gao Chen, Ali Aknan, and Michael Shook



Travel

- Each research group submitted budgets for ACT-America related travel (Science Team Meetings and Campaign Deployments)
- These budgets are held in project management funds
- Each research group is authorized to spend their budgeted travel
- Please work with our travel guru, Diane Zeimet, to successfully get reimbursed!