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HIAPER Returns



The High-performance Instrumented Airborne Platform for Environmental Research, or HIAPER, is one of the nation's most advanced research aircraft. Owned by the National Science Foundation (NSF) and operated by NSF's National Center for Atmospheric Research (NCAR), the modified Gulfstream V (GV) jet will be returning from the first leg of its historic HIAPER Pole-to-Pole Observations (HIPPO) mission on Friday. The mission will have spanned the globe from the Arctic to the Antarctic and has provided scientists with new insight into how carbon dioxide, methane and other greenhouse gases are spreading through the multiple layers of the Earth's atmosphere. Two lead scientists on the project, Steven Wofsy of Harvard University and Britton Stephens of NCAR, will be joined by NCAR head of Aircraft Operations Support Pavel Romashkin and NSF's Lower Atmospheric Research Section head Anne-Marie Schmoltner in a teleconference about the flight on Thursday, January 29 at 1:00 p.m. ET.

- [➔ HIPPO Backgrounder](#)
- [➔ Program Participants](#)
- [➔ NSF Media Advisory, January 27, 2009](#)
- [➔ NSF News Release, January 7, 2009](#)
- [➔ Related Videos](#)
- [➔ Additional Information](#)
- [➔ NCAR Press Release](#)

Call-In Questions

To participate in the teleconference, reporters in the United States should call 1 (800) 735-5968. No passcode is necessary. Reporters dialing in from outside the United States should call (212) 231-2911.

HIAPER POLE-TO-POLE OBSERVATION (HIPPO) PROGRAM PARTICIPANTS

Principal Investigators

NSF-sponsored:

- Steven C. Wofsy, Harvard University
- Ralph Keeling, Scripps Institution of Oceanography
- Britt Stephens, NSF NCAR
- Fred Moore, CIRES/University of Colorado
- Daniel Jacob, Harvard University
- Elliot Atlas, University of Miami

National Oceanic and Atmospheric Administration (NOAA) Earth System Research Laboratory (ESRL)-sponsored:

- Jim Elkins, ESRL/Global Monitoring Division
- David Fahey, ESRL/Chemical Sciences Division
- Rushan Gao, ESRL/Chemical Sciences Division
- Stephen Montzka, ESRL/Global Monitoring Division
- Dale Hurst, ESRL/Global Monitoring Division

Instrument and Measurement Collaborators

- Mark Zondlo, Princeton University
- M.J. Mahoney, NASA Jet Propulsion Laboratory
- Julie Haggerty, NSF NCAR/Earth Observing Laboratory
- Teresa Campos, NSF NCAR/Earth Observing Laboratory-Earth Sun & Systems Laboratory

Mission Manager for the NSF/NCAR GV Research Aircraft

- Pavel Romashkin, NSF NCAR

RELATED VIDEOS



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Britt Stephens of NCAR, HIPP0 Mission co-lead researcher, describes the flight track that the HIAPER aircraft will take to travel the globe.



 [View video](#)

Steven Wofsy of Harvard University describes the performance and importance of HIAPER.

ADDITIONAL INFORMATION



Gulfstream V on close approach to Deadhorse.

Credit: NSF NCAR

[Download](#) the high-resolution JPG version of the image (196 KB)



Former glacial flowage.

Credit: Steven Wofsy, Harvard University

[Download](#) the high-resolution JPG version of the image (2.09 MB)

More images can be viewed in the [HIPPO Deployment 1 Field Catalog](#).

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