AIRS Education and Public Outreach
&
User Services

AIRS EPO: Aqua/AIRS 10 Year Anniversary

AIRS 10 Year Anniversary Event 4/23/12

Welcome and Introduction
Tom Pagano, AIRS Project Manager

Opening Remarks and Congratulations
Charles Elachi, Director of NASA's Jet Propulsion Laboratory

HQ Perspective
Ramesh Kakar, Aqua Program Scientist

NOAA Perspective
Robert Atlas, Director of NOAA's Atlantic Oceanographic and Meteorological Laboratory

JPL ESTD Perspective
Tony Freeman, Earth System Science Formulation Program Manager

Science Highlights
Eric Fetzer, AIRS Project Scientist

AIRS Weather and Climate: Near Term & Future Plans
Joao Teixeira, AIRS Science Team Leader

Closing Remarks
Tom Pagano, AIRS Project Manager

Sharon Ray, EPO Lead

Jet Propulsion Laboratory
California Institute of Technology

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Sharon Ray, EPO Lead

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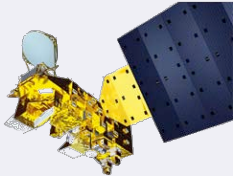
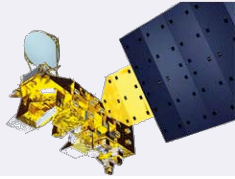


May 4th Anniversary

- JPL News Note
- New Feature Story: *AIRS Science* - JPL Historian Erik Conway
- AIRS Web Site
  - Mission timeline - Former AIRS PM Fred O'Callaghan
  - AIRS Top 5 Science Findings
  - Feature Stories: *AIRS Science*; *AIRS and Carbon Dioxide: From Measurement to Science* - Erik Conway; *Chahine's Vision Lives On Through AIRS* - Erik Conway and Sharon Ray
  - Research Spotlights: Your Paper, Three Questions
  - Video Gallery

Sharon Ray, EPO Lead

AIRS EPO: Recent Activities



Helping Engage the Public

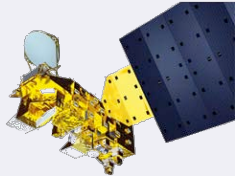
- **John Muir High School Career Event**

- **Earth Week at JPL**

- **Earth Science Patch: Girl Scout Event at JPL**

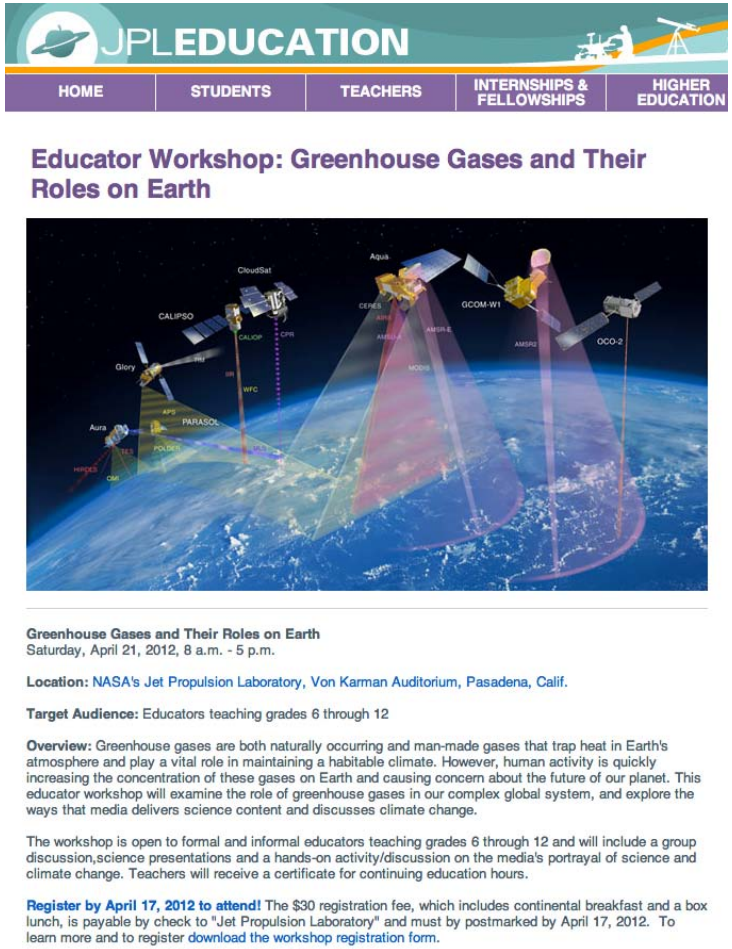
- **JPL Women's Leadership Event**

AIRS EPO: Recent Activities



Teacher Training

- **Educator Workshop: Greenhouse Gases and their Roles on Earth**



JPLEDUCATION

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Educator Workshop: Greenhouse Gases and Their Roles on Earth

Greenhouse Gases and Their Roles on Earth
Saturday, April 21, 2012, 8 a.m. - 5 p.m.

Location: NASA's Jet Propulsion Laboratory, Von Karman Auditorium, Pasadena, Calif.

Target Audience: Educators teaching grades 6 through 12

Overview: Greenhouse gases are both naturally occurring and man-made gases that trap heat in Earth's atmosphere and play a vital role in maintaining a habitable climate. However, human activity is quickly increasing the concentration of these gases on Earth and causing concern about the future of our planet. This educator workshop will examine the role of greenhouse gases in our complex global system, and explore the ways that media delivers science content and discusses climate change.

The workshop is open to formal and informal educators teaching grades 6 through 12 and will include a group discussion,science presentations and a hands-on activity/discussion on the media's portrayal of science and climate change. Teachers will receive a certificate for continuing education hours.

Register by April 17, 2012 to attend! The $30 registration fee, which includes continental breakfast and a box lunch, is payable by check to "Jet Propulsion Laboratory" and must by postmarked by April 17, 2012. To learn more and to register download the workshop registration form.

CO2 and Why We Should Be Concerned
Mike Gunson, Ph.D, JPL Atmospheric Scientist

Water Vapor and Understanding Feedbacks in the Earth System
Eric Fetzer, Ph.D., JPL Earth Scientist

Group Discussion: Using This Information in Your Classroom/Learning Environment
Karen Yuen, Sharon Ray, Earth Science Outreach

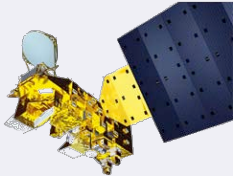
Portrayal of Science in the Media
Erik Conway, JPL Historian

Activity: Misconceptions about Greenhouse Gases and Climate Change
Karen Yuen, Sharon Ray, Earth Science Outreach

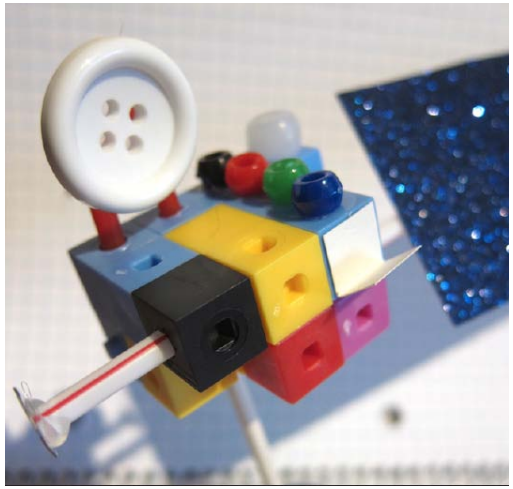
Methane and Its Role As A Greenhouse Gas
Erika Podest, Ph.D., JPL Earth Scientist

Sharon Ray, EPO Lead

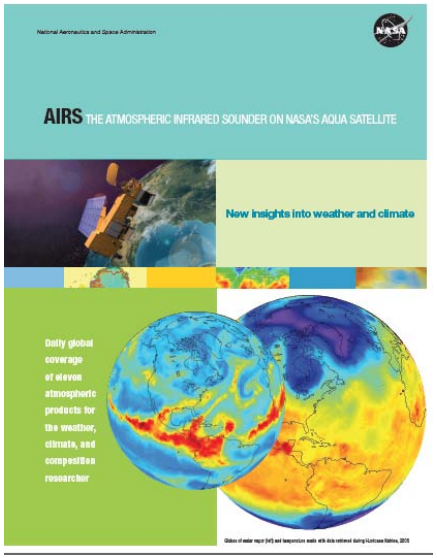
AIRS EPO: Printed Products



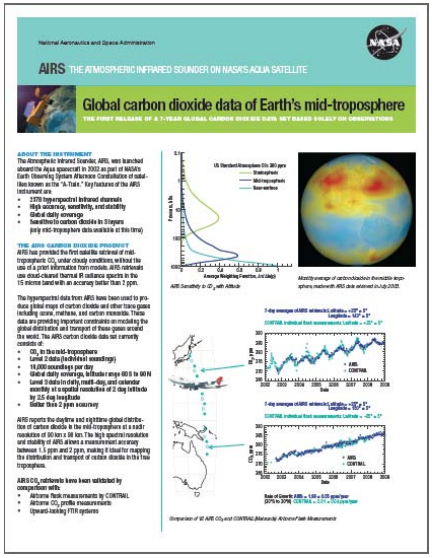
- **Engineer a Satellite**



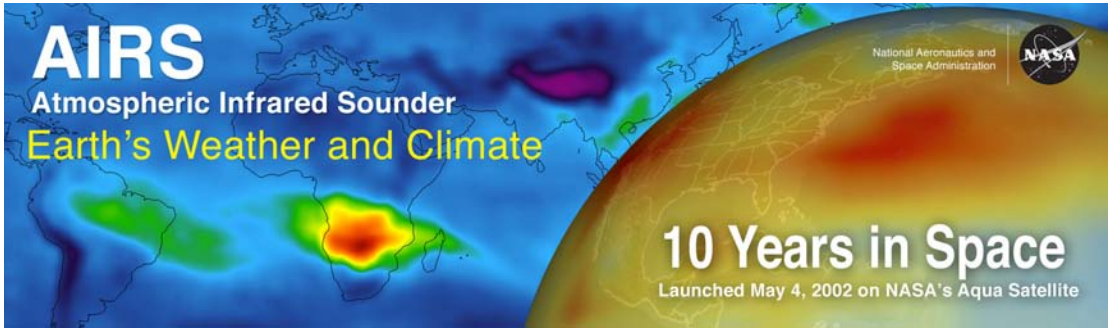
- **AIRS Data Products Brochure**



- **AIRS CO2 Data Flyer**



- **AIRS 10 Year Anniversary Commemorative Bookmark**



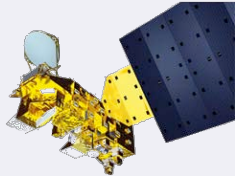
Sharon Ray, EPO Lead

AIRS EPO: Looking Ahead

In production: AIRS Science Video

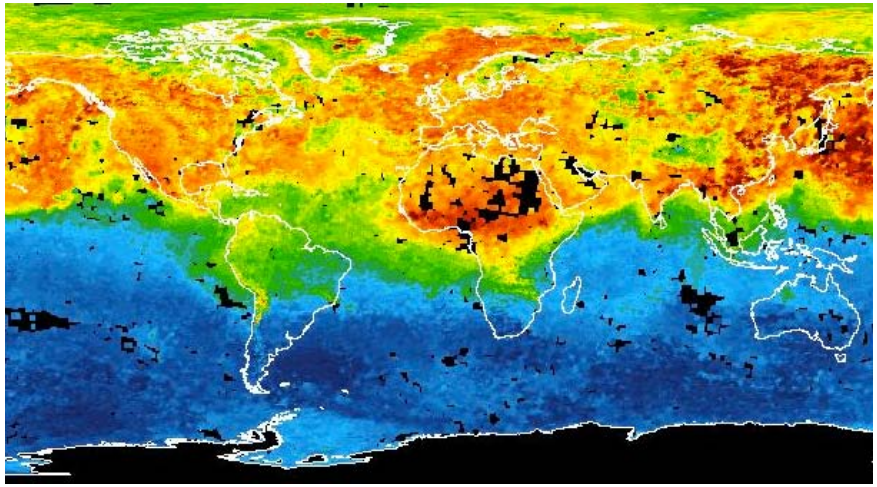
Sharon Ray, EPO Lead

AIRS EPO: Looking Ahead

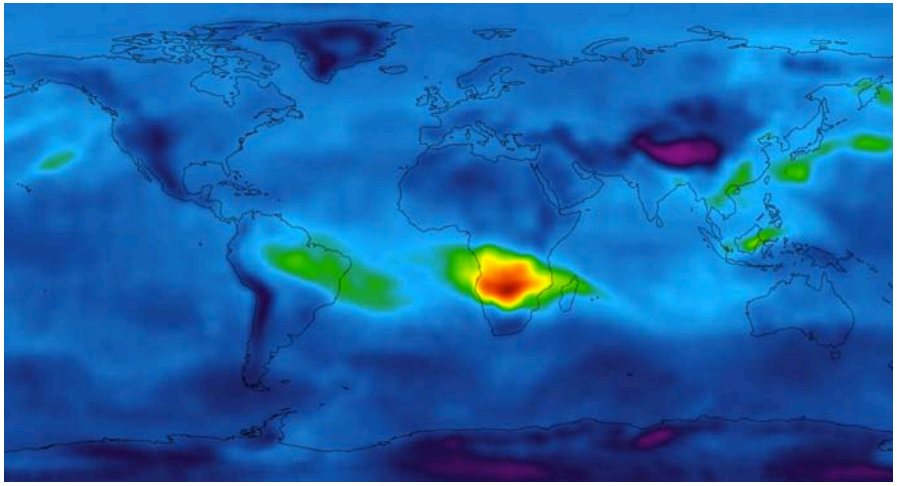


- **AIRS Applications**
  - Rapid Response , AIRS & climate.nasa.gov

- **New & Improved: AIRS Suite of Data Sets**
  - AIRS Web Site NRT Images, iPhone EARTH NOW, Science on a Sphere, NASA traveling Dynamic Planet and Hyperwall, JPL Earth Science Center, JPL Open House Puffersphere



CO Before



CO After

Sharon Ray, EPO Lead