

# Ocean Vector Winds Science Team November 2008

Dr. Eric Lindstrom  
NASA Headquarters  
Washington, D.C.

Eric Lindstrom  
NASA HQ

# PECORA AWARD WINNER

Congratulations to the entire **QuikSCAT Mission Team**, including OVWST!

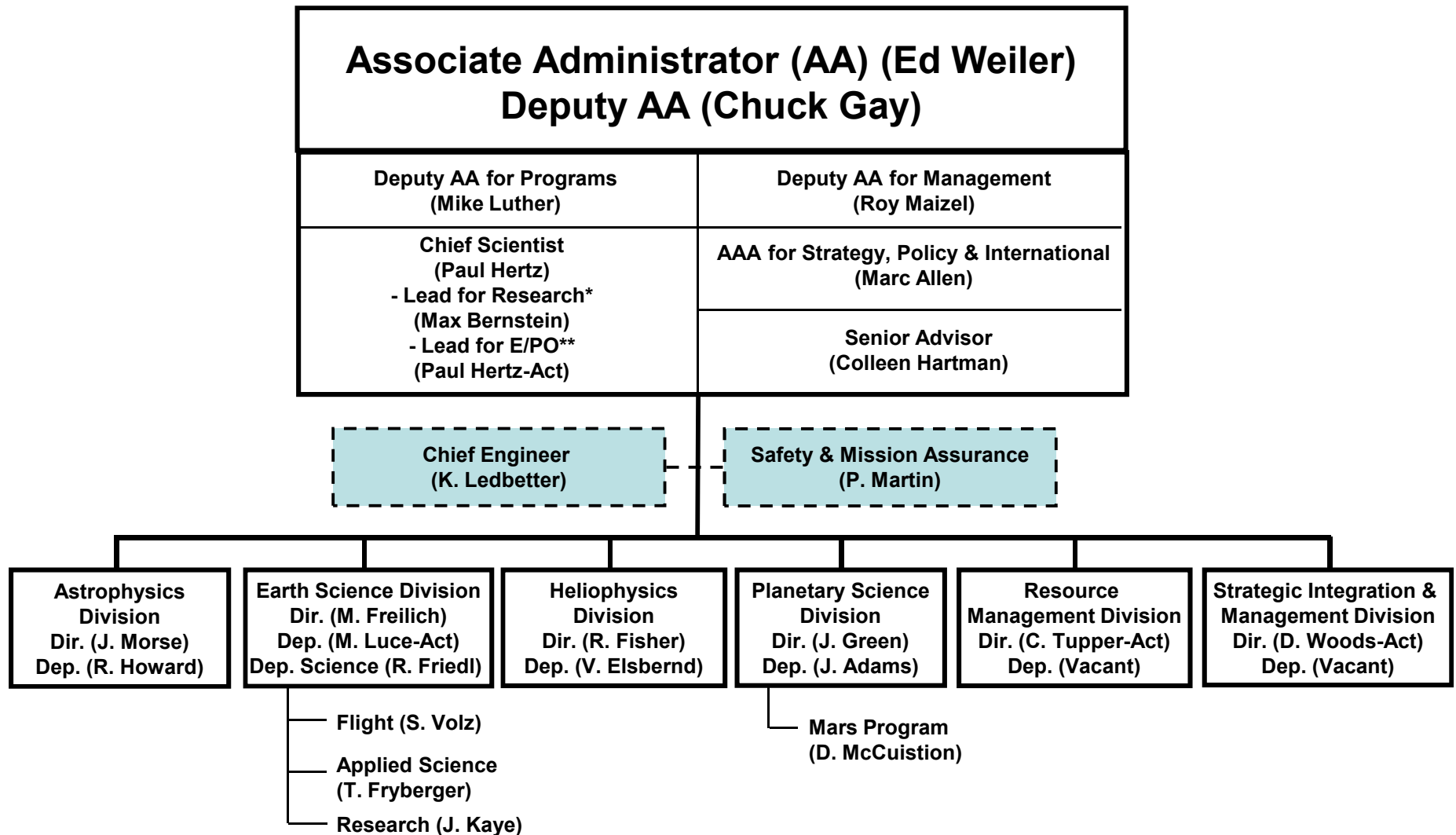
Winner of the 2008 PECORA Award\*

"We at NASA are very proud of the accomplishment of QuikSCAT," NASA Associate Administrator Christopher Scolese said. "The mission has improved our understanding of Earth, proved valuable to the research and operational communities, and demonstrated great cooperation among NASA centers, industry, and academia. It also has developed some of the best leaders in NASA and aerospace."

\*The Award

The William T. Pecora Award is presented annually to individuals or groups that make outstanding contributions toward understanding the Earth by means of remote sensing. The award is sponsored jointly by the Department of the Interior (DOI) and the National Aeronautics and Space Administration (NASA).

# SMD Organization



Blue dashed boxes denote individuals who report to other organizations, but support SMD

\* = Co-located from Planetary Science Division

\*\* = Co-located from Earth Science Division

Draft: August 13, 2008<sup>3</sup>

# OVWST Organization

- Ernesto Rodriguez, QuikSCAT **Project Scientist**, JPL
- Mark Bourassa, OVWST **Team Leader**, FSU
- Robert Gaston, QuikSCAT Project Manager, JPL
- Eric Lindstrom, QuikSCAT and OVW Program Scientist, NASA HQ

# Senior Review 2007->2009

- Continuation of Quikscat recommended through FY11 (FY10-11 support contingent upon SR'09)

The Science panel observed that the scientific merit of QuikSCAT is very high, and recognizes the unique role the satellite plays as the only operating US mission providing high resolution ocean surface vector winds. The operations team has done an excellent job of streamlining the data processing to provide real time data to national operational users. The CoMRP observed that the data products are critical to the national needs, and noted that although single string in critical areas, the instrument continues to perform and provide quality data.

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SR'09 @AGU 17Dec SF Courtyard Marriott 6-8pm

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NASA HQ

# Senior Review 2009

- The tentative schedule for the review is as follows:
- Early Dec 2008           Draft Call for Proposals Issued
- 18 Dec 2008 (TBD)       Mission science feedback at AGU meeting
- Early January 2009       Call for Proposals Issued
- Early March 2009       Proposals Due
- April 2009               Panel Reviews (Senior Science Review, Core Mission, E/PO)
- May 2009                Coordination with International and Agency Partners
- May 2009                Mission operations plans reviews @ GSFC, JPL, LASP,  
Langley
- May 2009                Senior Review Science Panel report
- June 2009               ESD budget guidelines to missions
- July 2009                Project responses to guidelines
- September 2009         Final mission budgets established

# NASA Physical Oceanography Priorities

- 1) Support missions on orbit:** Jason, Jason-2 (Altimetry), QuikSCAT (Winds)
- 2) Support missions in development/planning:** Aquarius (Sea Surface Salinity 2010), SWOT (Surface Water Ocean Topography circa 2016)
- 3) Support next generation mission concepts:** Ocean Vector Winds, Next Generation SST Products (GHRSSST)
- 4) Support Climate Focus Area:** Decadal Climate Variability, US CLIVAR, CCSP, GCOS, JCOMM
- 5) Support the National Oceanographic Partnership Program:** GODAE, CODAE, GHRSSST

# Evolution since last OVWST

- **NASA Imperatives**

- Decadal Survey (continued work with NOAA on OVW)
- Budget constraints
  - » Need engagement on obligation and costing
- Senior Review 2009 is upon us!
  - » Project team will need your input in Jan/Feb.

- **Interagency Pressures**

- NPOESS/NPP Rescope (continuing saga)
- Research to Operations (in FY09 Authorization)
- Near-Term Priority on Atlantic Meridional Overturning Circulation

- **International Activities**

- ASCAT
- GCOM-W
- OCEANSAT-2



# Evolution to next OVWST

- **OVWST Re-competed in ROSES 09**
- **Proposals likely due ~10/30/09**
- **Similar size with some new topical foci (good topics for discussion this week!)**
  - **Strengthen connections with operational centers?**
  - **Develop more science out of the climatology (ten years)?**
  - **Develop more science out of high resolution products? (Consider GHRSSST as a model?)**

# Questions?

Eric Lindstrom  
NASA HQ

# BACKUP

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NASA HQ

# Project Scientist

- The QuikSCAT Project Scientist is responsible for:
  - 1) Maintaining the set of science requirements for the QuikSCAT mission.
  - 2) Monitoring the scientific aspects of QuikSCAT that impact the overall mission cost, schedule, and performance.
  - 3) Serving as the primary representative of the 22 member science team within the JPL Quikscat Project.
  - 4) Working with the science community to define quantitative science requirements for future ocean vector winds measurements in light of QuikSCAT results.
  - 5) Acting as the single point of contact for the scientific representation and decisions required by the QuikSCAT Project and NASA.
  - 6) Tasking OVWST members and subgroups to address key technical issues as necessary.

# Team Leader

- In close association with the JPL QuikSCAT Project Scientist, the Team Leader will have the following responsibilities in addition to his research activities:
  - 1) As necessary, author and coordinate the OVWST's corporate input with regard to Science Requirements related to NASA's ocean vector winds products;
  - 2) Coordinate with appropriate foreign and interagency partners (technical or scientific) to facilitate data access for OVWST science team members and scientific collaboration with like groups;
  - 3) Organize, plan, and chair Science Team meetings and author reports of the meetings;
  - 4) Organize, plan, and chair Ocean Vector Winds Special Sections at appropriate professional society meetings;
  - 5) Organize, plan, and solicit publication of OVWST results in special journal issues or sections of journals; and
  - 6) Assist NASA Headquarters Program Scientist to coordinate OVWST and Research and Analysis (R&A) program activities where synergistic and/or promising developments are possible.

# OVWST Member Responsibilities

- 1) Deliver scientific breakthroughs and well-cited publications.
- 2) Report these results/publications to the QuikSCAT project and OVWST.
- 3) Attend and actively support science team meetings on a regular basis (generally one OVWST meeting and one specialized workshop per year).
- 4) Respond, as necessary, to requests from the Project Scientist and Team Leader for scientific and technical input.