

# Ocean Vector Winds

## Science Team

### May 2009

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

Eric Lindstrom  
NASA HQ

# Evolution since last OVWST

## NASA HQ

- Senior Review 2009 for QuikSCAT
- Decadal Survey (continued work with NOAA on OVW)
- Budget constraints (obligation and costing)

## Interagency Cooperation

- NPOESS/NPP Rescope /Passive Microwave/NRL
- Research to Operations/NASA-NOAA Roundtable
- Near-Term Priority on Atlantic Meridional Overturning Circulation NASA/NSF/NOAA

## International Activities

- ASCAT
- GCOM-W2
- OCEANSAT-2

# Senior Review 2009

## Remaining Schedule

- 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

# Evolution to next OVWST

- **OVWST Re-compete in ROSES 09**
- **Proposals due 10/30/09 (NOI 8/31)**
- **Similar size team with some newer topical foci (see announcement for details!). I expect more:**
  - **Developing/strengthening connections with operational centers**
  - **Science from the OVW climatology (ten years+)**
  - **Science foreshadowing DFS/AMSR2 synergy**
  - **Development/work on high resolution products**
- **Successful proposals will be implemented as grants through NASA Shared Services Center, not JPL contracts.**

# NASA Physical Oceanography Priorities

- 1) Support missions on orbit:** Jason, Jason-2 (Altimetry), QuikSCAT (Winds)
- 2) Support missions in development/planning:** Aquarius (Ocean Salinity; 2010), SWOT (Surface Water Ocean Topography circa 2016)
- 3) Support next generation mission concepts:** Ocean Vector Winds (DFS on GCOM-W2 via NOAA), Next Generation SST Products (GHRSSST; Develop SST Science Team)
- 4) Support Climate Focus Area:** Decadal Climate Variability, US CLIVAR, CCSP, GCOS, JCOMM, OOPC
- 5) Support the National Oceanographic Partnership Program:** Ocean State Estimation, GHRSSST

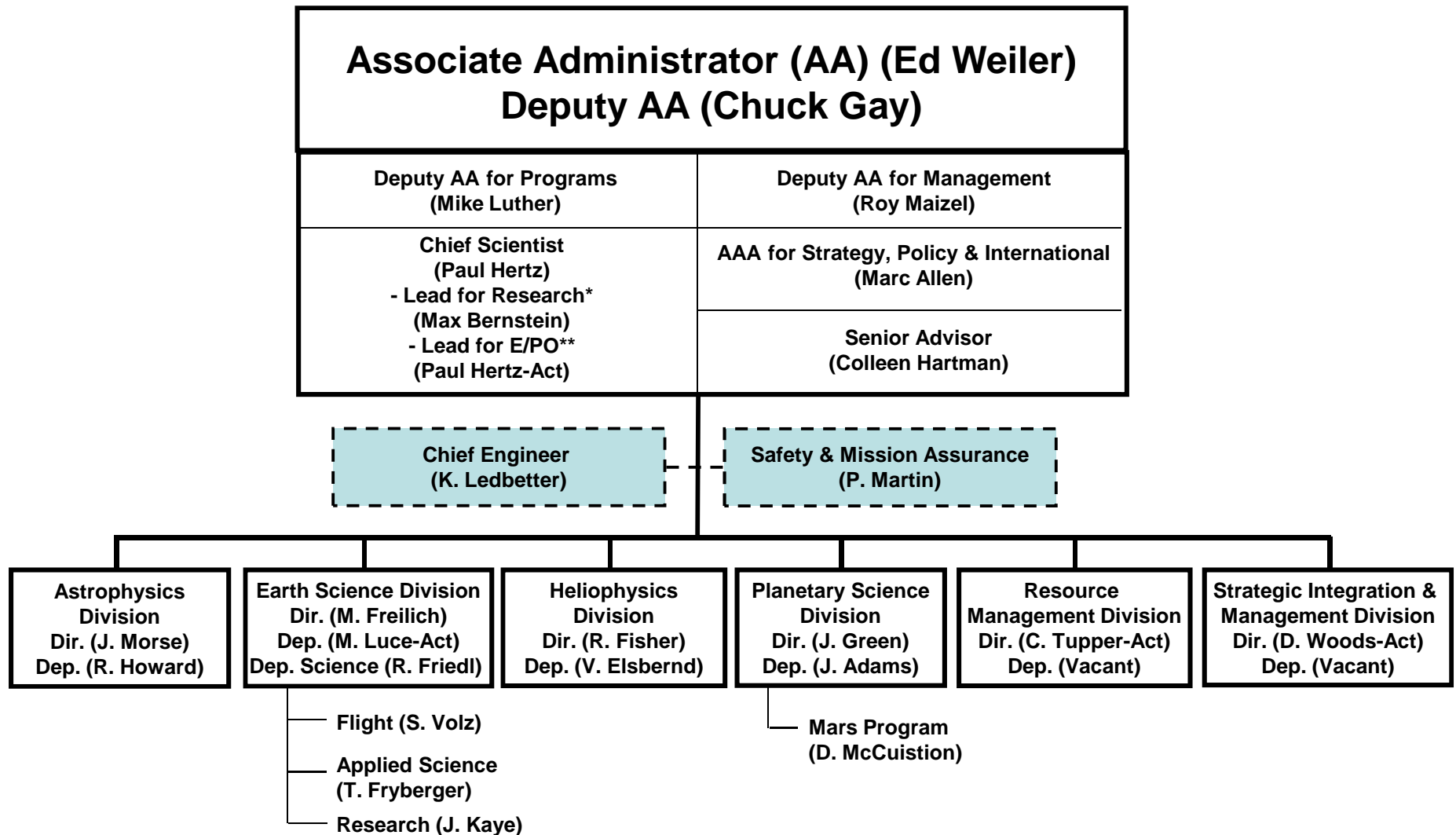
# Questions?

Eric Lindstrom  
NASA HQ

# BACKUP

Eric Lindstrom  
NASA HQ

# 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

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# 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

# 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.