OVWST Subgroup Discussion

Rob Gaston
July 7, 2006
Jet Propulsion Laboratory
California Institute of Technology
Science Team Is Asked To

• Deliver scientific breakthroughs and well-cited publications.
  – *Report these results/publications to the QuikSCAT project and OVWST.*

• Attend and actively support science team meetings on a regular basis

• *Respond to requests from the Project Scientist and Team Leader for scientific and technical input.*
OVWST Working Groups

• Facilitate interaction between the OVWST and the project on issues that are important to both and to:
  – Ensure that science requirements are being met and are well articulated for the scope of the science team effort
  – Ensure the best data products are available from the mission (model function, cal/val, etc)
  – Ensure that the full spectrum of possible scientific results are demonstrated

• Group membership is voluntary
  – for the long-term benefit of the OVWST and the research community

• A preliminary set of working groups has been identified:
  – Product Improvement and Validation
  – Geophysical Science
  – Requirements
  – Senior Review

• Groups are expected to evolve over time to address:
  – Changing objectives and membership
  – Emerging issues
Product Improvements and Validation Working Group

• Group Charter:
  – Evaluate Project efforts in the areas of algorithm refinement and new products
  – Accelerate consideration of OVWST-generated algorithms and products for inclusion into the operational research (JPL) and near-real-time (NESDIS) processing streams; and
  – Highlight and define research needs for products that are not presently being produced (such as multi-satellite merged products).

• Group co-chairs: Mike Freilich and David Long
Ocean Vector Wind Geophysical Science Working Group

• Group Charter:
  – Aid NASA HQ and the Project in summarizing advances in:
    • oceanographic sciences
    • Atmospheric sciences
    • climate sciences
  – Facilitate collaborations:
    • Among OVWST members pursuing complementary investigations
    • Between OVWST members and other Geophysical users of scatterometer data who pursue complementary research

• Group co-chairs: Ralph Foster and Claire Perigaud
OVW Measurement Requirements Working Group

• Group charter:
  – Assemble a prioritized list of requirements for future SVW missions that are:
    • Comprehensive and scientifically well-justified
    • Based on the needs of geophysical research
    • Support the construction of multi-decadal SVW climate data records
  – Evaluate and summarize differences between the research requirements and operational near-real-time requirements
  – Lead Project/OVWST interaction to match science requirements and data characteristics with the evolving designs of future instruments and measurement constellations.

• Group chair: Ralph Milliff

• Group goal: Organize a OVW requirements workshop by the end of the calendar year
Senior Review Working Group

• Group charter:
  – Aid the Project in producing a compelling response to the upcoming NASA Senior Review
    • Prove the scientific and programmatic worth of continuing the QuikSCAT mission beyond 2007
  – Enable the community to provide a comprehensive overview of:
    • Science achievements to date
    • Future science results expected from continuing the QuikSCAT mission through 2009.

• Group chair: Ernesto Rodríguez