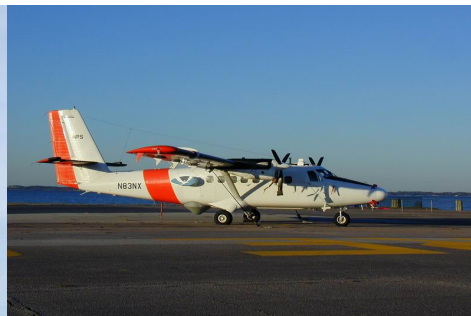


*Pelican OPV**Hiaper**UV-18a 'Twin Otter'*

Rev 5/24 5:20PM

## Agenda

# Airborne Ocean Science Conference

**May 24-25 2006**

**Moss Landing Marine Laboratories**

**Moss Landing, CA**

**Advanced registration is required. (Meeting has passed/Link to registration form removed)**

### Wednesday Evening, May 24

**5:30 - 6:00** Poster Set-Up - MLML Conference Room

**6:00 - 8:00** Dinner and Poster Viewing

**Dinner:** Salmon and Chicken Barbecue dinner for all participants. Informal outdoor and indoor seating and visiting at MLML.

### **Posters, in the MLML Conference Room:**

*Chlorophyll and Water-Leaving Radiance from an Airborne Spectral Radiometer in Monterey Bay.* Todd Anderson, Steve Ramp (Naval Postgraduate School)

*Airborne Oceanographic Capabilities of NOAA Aircraft.* James McFadden, Michael Silah, Jon Neuhaus, Peter Siegel and Doug MacIntyre (NOAA NOAA Aircraft Operations Center, MacDill AFB, FL)

*The UND/NASA DC-8 Airborne Laboratory.* Rick Shetter and George Seielstad (National Suborbital Education and Research Center, Univ. of North Dakota)

*The Determination of Water Clarity in Southern New England Estuaries using Multi Spectral in situ and Aircraft Remote Sensing with USEPA National Coastal Assessment (NCA) Program Guidelines.* D.J. Keith, J.A. Kiddon, B. Bergen, L. Coiro, W. Nelson, M. Charpentier, and B.J. Keith (USEPA Atlantic Ecology Division, Narragansett RI, ComputerSciences Corporation, Narragansett RI, College of William

and Mary, VA)

*Measurements of Near-Surface Air Turbulence Fluxes in the Coastal Zone During AOSN-II.* John Kalogiros, Qing Wang, Steve Ramp, Gintas Buzorius, and Haf Jonsson

*Interagency Working Group for Airborne Data and Telemetry Systems.* L. C. Freudinger (NASA DFRC) and Chris Webster (NOAA)

*Slow Flight in Ultralight Aircraft -- Land Anywhere.* Dan White (Illusion Aircraft)

**8:00 - 8:30** Keynote Address: *Research Aircraft and Oceanography.* Prof. Carl A. Friehe, University of California at Irvine, will give an overview of aircraft use in oceanography and air-sea interaction studies throughout the last several decades.

**8:30 - 9:30** Continued Visiting and Poster Discussions

### **Thursday Morning, May 25**

**8:00 - 8:30** Continental Breakfast

**8:30 - 9:20** Welcome, Introductions and Meeting Overview

Welcome to the First AOSC - Mike Prince, UNOLS Executive Secretary and John Bane, SCOAR Chair

Welcome to MLML - Kenneth Coale, MLML Director

Introduction of participants - aircraft operators, agency program managers, scientists and SCOAR and ICCAGRA committee members

Overview of SCOAR, its mission, and why we care about aircraft - John Bane

Brief overview of aircraft operators, available aircraft and capabilities - John Bane

Overview of ICCAGRA and federal aircraft enterprise - Cheryl Yuhas

### **ORAL PRESENTATIONS**

**9:20 - 9:40** *VXS-1: The Naval Research Laboratory's Science and Technology Aircraft Facility.* Jack Jones (Naval Research Lab, Patuxent River NAS)

**9:40 - 10:00** *The Development of Airborne Optical Remote Sensing for Coastal Ocean Observatories.* Paul Bissett (Florida Environmental Research Institute)

**10:00 - 10:20** *The NASA AMS System - A New Ocean Color Sensor for Aircraft and UAVs.* Jeffrey Myers and Edward Hildum (U.C. Santa Cruz)

**10:20 - 10:40 - BREAK**

**10:40 - 11:00** *The Stabilized Radiometer Platform (STRAP) - A New Tool for High Accuracy Aircraft Radiometry.* Anthony Bucholtz (Naval Research Laboratory, Monterey, CA), Robert T. Bluth (CIRPAS, Naval Postgraduate School), Ben Kelly, Scott Taylor, Keir Batson & Anthony W. Sarto (L-3 Communications Sonoma EO, Santa Rosa, CA), Tim P. Tooman and Robert F. McCoy, Jr. (Sandia

National Laboratories, Livermore, CA)

**11:00 - 11:20** *Interagency Working Group for Airborne Data and Telemetry Systems*. L. C. Freudinger (NASA DFRC) and Chris Webster (NOAA)

**11:20 - 11:40** *DMS Surface and Entrainment Fluxes and Scales of Variability in the Marine Boundary Layer*. Ian Faloona (U.C. Davis), Don Lenschow (NCAR), Bjorn Stevens (UCLA), Alan Bandy & Don Thornton (Drexel Univ.) and Byron Blomquist (Drexel University)

**11:40 - 12:00** *Blimps, Aerostats, and Experimental Aircraft for Ocean Science and Monitoring*. Jim Hain (Associated Scientists at Woods Hole)

**12:00 - 1:00 LUNCH at MLML**

### **Thursday Afternoon, May 25**

#### **ORAL PRESENTATIONS**

**1:00 - 1:20** *Applying Airborne Remote Sensing for Interdisciplinary Oceanography in Monterey Bay*. John Ryan, Andrew Fischer, Francisco Chavez (MBARI), Raphael Kudela (U.C. Santa Cruz), Paul Bissett (Florida Environmental Research Institute) and James Gower (Institute for Ocean Sciences)

**1:20 - 1:40** *Observing the Ocean and Atmosphere Around the Monterey Bay from the CIRPAS Twin Otter Aircraft*. Steve Ramp (Naval Postgraduate School)

**1:40 - 2:00** *3-D Views of the Ocean and Atmosphere During Active Coastal Upwelling off Oregon*. John Bane (Univ. of North Carolina at Chapel Hill)

**2:00 - 2:20** *Aircraft-Based Ocean Profiling During Weak and Strong Winds*. Lynn K. Shay (MPO, RSMAS, Univ. of Miami)

**2:20 - 2:40 BREAK**

**2:40 - 3:00** *Evaluation of Measurements of Coarse Mode Aerosol Particle and Cloud Droplet Size Spectra from Aircraft: Setting Fundamental Uncertainties*. Jeffrey S. Reid (Naval Research Laboratory, Monterey, CA)

**3:00 - 3:20** *Remote Sensing Assessment of Kelp Forest and Seagrass Meadow Productivity*. Dick Zimmerman (Old Dominion Univ.)

**3:20 - 3:40** *Using Fixed-Wing Aircraft to Survey the At-Sea Distribution, Abundance, and Habitat Associations of Seabirds off California*. Josh Adams (USGS and MLML)

**3:40 - 4:20** *Wrap-Up Discussion. What Does the Future Hold for Airborne Oceanography?* Discussion Leaders TBA

**4:20** Trip to CIRPAS for Interested Participants

*Cars will leave from MLML, or participants can drive individually. Maps and directions to CIRPAS are available from Kate Sawyers and Bob Bluth.*

