

July 2006
U.S. CLIVAR News-gram

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CALENDAR of UPCOMING EVENTS (for more information - www.usclivar.org/calendar.html)

July 2006:

- 5-7: NASA Ocean Vector Winds Science Team Meeting (Salt Lake City, Utah)
- 10-13: Ocean Carbon Cycle Science Workshop (Woods Hole, MA)
- 13-15: VACS Panel Meeting (Tanzania)
- 10-14: Tropical Convection and The Weather Climate Interface (Boulder, CO)
- 24-25: U.S. CLIVAR MJO Working Group Meeting (Breckenridge, CO)
- 26-28: U.S. CLIVAR Summit (Breckenridge, CO)

August 2006:

- 31 – 4 Aug: CLIVAR WGCM/AIMES Workshop: Next generation Earth System Models and emissions scenario requirements (Aspen, Colorado)
 - 14-18: Climate Prediction Program for the Americas PI Meeting (Tucson, Arizona)
 - 17-18: NAME Science Working Group Meeting (Tucson, Arizona)
 - 28-30: WCRP Observation and Assimilation Panel 2nd Meeting (Ispra, Italy)
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31 – Sep1: CLIVAR/GODAE Meeting on Ocean Synthesis Evaluation (Reading, UK)

September 2006:

11-12: North Atlantic Climate and Ecosystems: A current threat? (Reykjavik, Iceland)

18-20: Managing Drought and Water Security in Vulnerable Environments (Longmont, CO)

19-23: ICES 2006 Annual Science Conference (The Netherlands)

Research Opportunities and Calls for Papers

1. GODAE Symposium on Ocean Data Assimilation

This is a final call for papers for the GOGAE Symposium on Ocean Data Assimilation and Prediction in Asia-Oceania, to be held in **Beijing, China, October 16-18, 2006**.

Details of the symposium (including abstract submission, registration, and accommodation) can be found in

http://ctwf.iap.ac.cn/godae2006/OtherNews_show.asp?id=1. The deadline for abstract submission has been extended to August 1, 2006. But interested parties are encouraged to submit abstract and register for the meeting as early as possible. Please also be mindful about the time needed to obtain a visa to visit China from your country/region.

Position Announcements

2. Scripps Institution of Oceanography - 3 Research Positions

Scripps Institution of Oceanography (SIO, <http://sio.ucsd.edu/>) invites applications for full time Research positions (9-month academic year appointment) to be funded by extramural research grants and contracts. The appointments may be at the **Assistant, Associate, or Full Research** level with rank and salary depending on qualifications and experience. Associate level appointments receive 25% matching salary support from SIO funds, and Full appointments receive 50% matching salary support for the academic year (subject to availability of institutional funds). Start-up funds and moving expenses may be available.

1) **Oceans and Atmospheres:** Candidates with research interests and experience in physical oceanography, meteorology, climate sciences, or closely related fields are invited to apply. Possible research areas include ocean-atmosphere observations and analysis, general circulation modeling, data assimilation, instrumentation for oceanic and atmospheric observations, and geophysical fluid dynamics.

2) **Physical Coastal Oceanography:** Candidates with research interests and experience in observational oceanography of inshore waters are invited to apply. Possible research areas include but are not limited to wind-driven flows, mixing, internal waves, coastal and estuarine circulation and sediment transport. Collaborations with chemical and biological oceanographers are encouraged.

3) **Marine Biology/Biological Oceanography:** Candidates with research interests and experience in any aspect of marine biology or biological oceanography are invited to apply. Possible research areas include planktonic, pelagic and benthic ecology, systematics, biophysics, and the biochemical, genetic, or physiological bases of adaptations to marine environments.

All candidates will be judged on the basis of research excellence and ability to contribute to the diverse research programs at SIO. Interdisciplinary research is especially encouraged and the search committees will share candidate files when appropriate. Junior candidates should demonstrate outstanding potential to obtain extramural funding for their research; more senior candidates are expected to have a record of such funding. Researchers often obtain lecturer appointments in the SIO Graduate Department and serve as graduate student advisors; participation in SIO/UCSD undergraduate education is also possible.

Interested applicants should send curriculum vitae, statement of research expertise, selected reprints, and names and address of three suggested referees to:
Chair, Search Committee (Specify position)
C/o Leslie Costi, 0209
Scripps Institution of Oceanography
La Jolla, CA 92093

Application review will begin **7/1/06** and will continue until position(s) have been filled.

Announcements

- **Public Comment Period Open on NSF Strategic Plan**

Comment Deadline: Monday, 17 July 2006

Comments can be submitted online at:

<http://www.nsf.gov/about/performance/input.cfm>

The National Science Foundation is again asking for your input on our next NSF Strategic Plan. Last December, we asked for your thoughts on the current plan and the changing environment for science and engineering (S&E) research and education. That input, together with comments from NSF staff, our Advisory Committees, and the National Science Board (NSB) led to development of the draft plan (see <http://www.nsf.gov/about/performance/nsfplandraft.pdf>) now available for review by the public at large and the communities we serve. The draft FY 2006-2011 Strategic Plan communicates NSF's vision, goals, objectives, priorities, and strategies over this time period.

Your comments are requested by July 17, 2006 through the website at <http://www.nsf.gov/about/performance/input.cfm> or by e-mail to strategicplaninput@nsf.gov. In particular, NSF requests comments on the following questions to assist us in finalizing the new plan:

- What are the strengths and weaknesses of the draft plan?

- Does NSF's draft Strategic Plan effectively communicate NSF's investments and priorities in supporting the S&E community? If not, what is lacking and specifically, how can it be improved?

[Please note that the photos and graphics in the current version are primarily placeholders. We realize that they are low resolution, not readable, etc. If you are an NSF investigator and would like to volunteer an image from your research that would better illustrate one of the themes, please submit through the above e-mail address. Please limit the size of any image or graphic you send to 1MB or less. If we decide to use your image, we will contact you for the appropriate permissions and for a high resolution version.]

After review in August by the NSB and the Office of Management and Budget, the final version of the Strategic Plan will be sent to Congress and posted on our website by September 30, 2006.

- **International Arctic Science Committee (IASC) New Website and June Issue of IASC Progress Available**

The Secretariat of the International Arctic Science Committee (IASC) moved from Oslo, Norway, to Stockholm, Sweden, at the beginning of 2006. The IASC website has been updated and it is now available at <http://www.iasc.se>. The website includes general information about IASC, its current projects, and its involvement in circum-arctic science planning activities. You will also find a Survey of Arctic Meetings (SAM), an Arctic Funding Guide, and a list of Polar Acronyms. The June 2006 Issue of the Newsletter "IASC Progress" can be downloaded at the website (go to "services" and then "publications").

- **Nominations for the James R. Holton Award**

Acknowledge an Outstanding Junior Scientist in the Atmospheric Sciences with a Nomination for the James R. Holton Award

The James R. Holton Junior Scientist Award was established in 2004 by the AGU Atmospheric Sciences Section to recognize the scientific accomplishments of a junior scientist to the field of atmospheric science. Candidates must be a member of the AGU, and no more than three years past the award of the Ph.D. degree. Nominations should clearly state how the nominated individual's research accomplishments are outstanding for one at his/her stage of career.

Nominations deadline July 17, 2006

The nomination should consist of four items, each no longer than two pages in length: a nomination letter, the candidate's curriculum vitae, and two letters of recommendation. Send nomination packages to:

Dr. Joan Alexander, Chair
Holton Award Nominations, NWRA/CoRA,
3380 Mitchell Lane, Boulder, CO, 80301, USA. Fax: 1-303-415-9702.

Please direct e-mail inquiries to Holly Hayes at holly@cora.nwra.com
Additional information available at <http://atmospheres.agu.org/>

- **NCEP's Operational Global Ocean Data Assimilation System (GODAS)**
The GODAS data sets produced routinely at National Centers for Environmental Prediction (NCEP) are a valuable community asset for monitoring different aspects of oceanic variability and assessing benefits of NOAA's extensive investment in the global ocean observing system. To gain a broader dissemination of the GODAS products, and to increase research community involvement in the assessment of GODAS and the effectiveness of the ocean observing system, the Office of Climate Observation of NOAA, lead by Dr. Michael Johnson, sponsors the Climate Prediction Center (CPC)/NCEP to host the web site for GODAS.

The GODAS web site has recently been modified to best serve the user community concerning real time monitoring and forecasting of climate variabilities such as ENSO and hurricanes. This is done through an informative home page that contains cursor-activated animations and plots documenting the current conditions of the ocean state. The web site is also an excellent tool for researchers who can access information on climatology and seasonal-to-interannual variability of various oceanic variables in a few clicks. Most importantly, the GODAS data sets have been validated against independent observations, and the validation results are shown at the web site.

Comments, suggestions and feedbacks to the web page are welcome.

- **Radiosonde Atmospheric Temperature Products for Assessing Climate (RATPAC)**

NOAA announces the availability of a new dataset consisting of monthly time series of homogeneity-adjusted radiosonde temperatures. These are more suitable for the study of longer-term climate variability and change (e.g., interdecadal time-scales and trends) than unadjusted data from more traditional data archives. Temporal homogeneity may be compromised by artificial changes introduced via historical changes in instruments and recording practices.

These new data, Radiosonde Atmospheric Temperature Products for Assessing Climate (RATPAC), are now available online from the National Climatic Data Center. Data coverage is near-global from a limited network of 85 stations, beginning in 1958 and continuing to present. Data are available on 13 pressure levels from the surface to the stratosphere (up to 30 hPa).

RATPAC consists of two subsets of data:

(1) RATPAC-A contains averages over large regions (e.g., global hemispheric, tropical and extratropical domains). This set is recommended for analysis of interannual and longer-term changes over large areas.

(2) RATPAC-B contains data for individual stations. This set is recommended for analysis of interannual and longer-term changes at individual station locations or for regional means on spatial scales smaller than those provided by RATPAC-A.

The RATPAC datasets were created through a collaborative effort involving NOAA scientists from the Air Resources Laboratory, the Geophysical Fluid Dynamics Laboratory, and the National Climatic Data Center. For more a complete explanation of the dataset construction methodology and rationale, and to access these data visit:

<http://www.ncdc.noaa.gov/oa/cab/ratpac/index.php>

Meetings and Workshops

3. National Science Foundation Office of Polar Programs Antarctic New Investigators Workshop 21-22 August 2006 Washington, DC

A workshop will be held 21-22 August 2006 at the National Science Foundation (NSF) for scientists who have never been a Principal Investigator or a Co-Principal Investigator on an award in the U.S. Antarctic Program. Staff of NSF's Office of Polar Programs (OPP) will discuss:

- Opportunities for NSF support of Antarctic research and education, including opportunities for the International Polar Year (IPY)
- NSF's field program for operational support of Antarctic research
- Proposal preparation and proposal review criteria - NSF policies and other funding programs

The workshop will include presentations and opportunities to meet with NSF program officers who are responsible for science and logistical operations in the Antarctic. Attendance will be by invitation only and limited to researchers who have not been a Principal Investigator or Co-Principal Investigator on an NSF/OPP Antarctic research grant and who are, or will be, eligible to apply for an NSF Antarctic research grant by the June 2007 proposal deadline for NSF Antarctic Research. Ph.D. candidates within 1 year of graduation, postdoctoral fellows, and new faculty are particularly encouraged to apply. Airline tickets for attendance at the workshop will be provided to a limited number of applicants who meet the requirements described below. All participants will assume the cost of meals and lodging.

TO APPLY

Carefully review the description of the NSF Antarctic Research Program (NSF 06-549) at:

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5519&org=ANT&from=home

If you are interested in pursuing scientific research in the Antarctic, send a letter to newinvestigator@nsf.gov, by midnight, EDT, 30 June 2006. In one page or less, list your name, contact information, and your current academic status, including your graduation date (if applicable). Also summarize your general research interests, and your research plans. State whether or not you are requesting an airline ticket, your airport of origin, and your requested destination (Baltimore-Washington, Reagan National, or Washington-Dulles).

If you have questions, please contact:

Dr. Marie Bundy

Office of Polar Programs

703-292-7418

E-mail: mbundy@nsf.gov

Requests for information about the workshop may also be sent to:
newinvestigator@nsf.gov.

For more information, see:

"Application and Workshop Attendance Information"

http://www.nsf.gov/od/opp/antarct/workshop/nsf06032_apply.jsp

"Tentative Workshop Agenda"

http://www.nsf.gov/od/opp/antarct/workshop/nsf06032_agenda.jsp

4. National Oceanic and Atmospheric Administration's (NOAA) 31st Annual "Climate Diagnostics and Prediction Workshop"

October 23-27, 2006

Boulder, CO

NOAA's 31st Climate Diagnostics and Prediction Workshop (CDPW) will be held in Boulder, Colorado, from October 23-27, 2006. The workshop will be co-hosted by the Climate Diagnostics Center and by the Climate Prediction Center of the National Centers for Environmental Prediction/NOAA.

Our gathering this year will focus on three themes: (i) climate predictions/predictability, (ii) understanding and attribution of climate variability, and (iii) the NOAA Climate Test Bed. The workshop will combine invited presentations and posters on existing, as well as recent advances in scientific understanding and capabilities with discussions on requirements for decision support. The outcome of this year's workshop will include an assessment of current operational prediction capabilities, identifying opportunities for advances, and exploring new products to support regional decision making. The workshop will provide enhanced opportunity for participants to exchange information, ideas, and opinions through participation in panel discussions and thematic, focus talks. The primary focal areas for the workshop will include:

- A review of recent climate conditions and forecasts for week-2 to seasonal time scales.
- Prediction practices for time scales from week-2 to seasonal, and for lead times from zero to 12 months.
- Predictability and forecast verification assessments for time scales from week-2 to seasonal, and for lead times from zero to 12 months.
- Regional decision support requirements of predictions for time scales from week-2 to seasonal, and for lead times from zero to 12 months.
- Attribution methodologies for explaining climate variability, including extreme events (e.g., hurricanes), seasonal climate, and trends.
- Attribution of climate conditions, including extreme events (e.g., hurricanes), seasonal climate, and trends.
- Regional decision support requirements for explaining climate conditions and extremes.
- Mechanisms and pathways for transferring research to products and operations
- Climate test bed activities

The Workshop will feature focused oral sessions consisting of invited only presentations, followed by panel discussions and ample time for discussions; rest of the submission will be organized as posters.

A website for the workshop will be linked though:

<http://www.cpc.ncep.noaa.gov/products/outreach/CDPW31.shtml> and will contain further information.

Please send your poster abstracts to: Ncep.list.cpc-cdworkshop@noaa.gov by the deadline “AUGUST 6, 2006.” Include title, author(s), affiliation(s), abstract, phone and fax number.

5. Climate Prediction Applications Science Workshop
MARCH 27-30, 2007
SEATTLE, WASHINGTON

The National Weather Service Climate Services Division, in conjunction with the University of Washington Climate Impacts Group (CIG), will host the 5th Climate Prediction Applications Science Workshop (CPASW) in Seattle, Washington, on March 27-30, 2007. The workshop will bring together a diverse group of climate science producers and users to share developments in research and applications related to the use of climate predictions in societal decision-making. The meeting goals are:

(1) to identify new climate prediction applications research, (2) to “build community” by promoting interactions between integrated climate-sensitive research and service communities, (3) to assess impacts of climate forecasts on environmental-societal interactions, (4) to provide feedback to producers of climate products on user requirements. The workshop will not address technical challenges of making climate

predictions, climate modeling, or other technical topics related to the science of climate predictions.

Information on the workshop will be posted at:

<http://www.cses.washington.edu/cig/outreach/workshopfiles/cpasw07/> For more information, contact either Diana Perfect (email: diana.perfect@noaa.gov phone: 301-713-1970 Ext. 132), or Dennis Lettenmaier (email: dennisl@u.washington.edu phone: (206) 543-2532)

6. Seventh Workshop on Decadal Climate Variability

Honolulu, Hawaii

30 April – 3 May 2007

The Seventh Workshop on Decadal Climate Variability will be held in the Hilton Waikoloa Village (the location of the Feb. 2004 Workshop) near Kona in Hawaii. Hotel reservation, registration, and abstract submission information will follow in August 2006. Please contact Vikram Mehta (vikram@crces.org) if you would like to be on the mailing list for this Workshop.