

February 2008 U.S. CLIVAR News-gram

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CALENDAR of UPCOMING EVENTS

(for more information-www.usclivar.org/calendar.html)

March 2008

- 2-7: Ocean Sciences Meeting (Orlando, FL)
13-14: 3rd Global Synthesis and Observations Panel Meeting (Southampton, UK)
18-20: ARGO Steering Team Meeting (Exeter, UK)
26-29: VAMOS Panel Meeting (Miami, FL)

April 2008

- 13-18: European Geosciences Union (Vienna, Austria)

Research Opportunities and Call for Papers

1. Research Opportunities in Space and Earth Sciences (ROSES) 2008

Research Opportunities in Space and Earth Sciences - 2008 (ROSES-2008), will be available on or about February 15, 2008, by opening the NASA Research Opportunities homepage at <http://nspires.nasaprs.com/> and then linking through the menu listings "Solicitations" to "Open Solicitations." This NASA Research Announcement (NRA) solicits proposals for supporting basic and applied research and technology across a broad range of Earth and space science

program elements relevant to one or more of the following NASA Research Programs: Earth Science, Heliophysics, Planetary Science, and Astrophysics.

This ROSES NRA covers all aspects of basic and applied supporting research and technology in space and Earth sciences, including, but not limited to: theory, modeling, and analysis of SMD science data; aircraft, stratospheric balloon, and suborbital rocket investigations; development of experiment techniques suitable for future SMD space missions; development of concepts for future SMD space missions; development of advanced technologies relevant to SMD missions; development of techniques for and the laboratory analysis of both extraterrestrial samples returned by spacecraft, as well as terrestrial samples that support or otherwise help verify observations from SMD Earth system science missions; determination of atomic and composition parameters needed to analyze space data, as well as returned samples from the Earth or space; Earth surface observations and field campaigns that support SMD science missions; development of integrated Earth system models; development of systems for applying Earth science research data to societal needs; and development of applied information systems applicable to SMD objectives and data.

Awards range from under \$100K per year for focused, limited efforts (e.g., data analysis) to more than \$1M per year for extensive activities (e.g., development of science experiment hardware). The funds available for awards in each program element offered in this NRA range from less than one to several million dollars, which allow selection from a few to as many as several dozen proposals depending on the program objectives and the submission of proposals of merit. Awards will be made as grants, cooperative agreements, contracts, and inter- or intra-agency transfers depending on the nature of the proposing organization and/or program requirements. The typical period of performance for an award is four years, although a few programs may specify shorter or longer periods. Participation is open to all categories of organizations, foreign and domestic, including educational institutions, industry, nonprofit organizations, NASA centers, the Jet Propulsion Laboratory, and other Government agencies, without restriction on number or teaming arrangements. Note that it is NASA policy that all investigations involving non-U.S. organizations will be conducted on the basis of no exchange of funds.

Proposal due dates are scheduled starting on May 9, 2008, and continue through March 27, 2009. Electronically submitted Notices of Intent to propose are requested for most program elements, with the first such due date being March 14, 2008. Electronic submission of proposals is required by the respective due dates for each program element and must be submitted by an authorized official of the proposing organization. Electronic proposals may be submitted via the NASA proposal data system NSPIRES or via Grants.gov. Every organization that intends to submit a proposal in response to this NRA must be registered with NSPIRES; organizations that intend to submit proposals via Grants.gov must also be registered with Grants.gov. Such registration must identify the authorized organizational representative(s) who will submit the electronic proposal. All principal investigators and other participants (e.g. co-investigators) must be registered in NSPIRES. Potential proposers and proposing organizations are urged to access the system(s) well in advance of the proposal due date(s) of interest to familiarize themselves with its structure and enter the requested information.

Further information about specific program elements may be obtained from the individual Program Officers listed in the Summary of Key Information for each program element in this NRA, while questions concerning general NRA policies and procedures may be directed to Dr. Yvonne Pendleton, Senior Advisor for Research and Analysis, Science Mission Directorate, NASA Headquarters, Washington, DC 20546-0001; E-mail: sara@nasa.gov; Telephone: 202-358-1182.

2. Indian satellite (Oceansat-2) has Announcement of Opportunity Data utilisation (15 January 2008)

The Indian Space Research Organisation will launch later in 2008 an ocean observing satellite known as Oceansat-2 with an onboard scatterometer and ocean color monitor. An Announcement of Opportunity is available at the organisation's official website (<http://www.isro.gov.in>) and invites proposals for utilising the data. Further details are available in the website.

3. NSF Solicitation Announcement - 2008 Antarctic Research Proposal Deadlines:

2 May 2008 (for research aboard the Swedish icebreaker Oden during November and December 2008); 6 June 2008 (for all other proposals)

The Office of Polar Programs, National Science Foundation (NSF) has released the 2008 Antarctic Research solicitation (NSF 08-535) for support of projects in Antarctica during the 2009-2010 austral summer or projects in the United States beginning in early 2009. Unlike previous Antarctic Research solicitations, this year there are two proposal submission deadlines. The first, 2 May 2008, is for proposals for research aboard the Swedish icebreaker Oden during November and December 2008. The second deadline, 6 June 2008, is for all proposals for Antarctic work other than work on the Oden during November and December 2008.

The Division of Antarctic Sciences also wishes to call attention to significant changes related to proposals for fieldwork in Antarctica. These changes, summarized below, were made in response to recommendations by the most recent Antarctic Science Committee of Visitors. Please see the online announcement for full information about these changes, which include:

- Principal investigators must submit a summary Operational Requirements Worksheet (ORW) as a document in Special Information and Supplemental Documents, and a full ORW must be uploaded as a Single Copy Document. Both of these documents will be provided as PDF files from POLAR ICE.

- Many costs for field and laboratory support in Antarctica are to be included as part of the proposal budget. These costs, including excess baggage as well as project specific equipment and laboratory consumables that are required in the field, must be accompanied by supporting information for reviewers to determine the need of these costs. Costs articulated in the proposal will provide a basis for the support for the work outlined in the proposal.

- For those projects requiring air support, the proposal should include a table estimating the type of aircraft required and the expected number of missions. For proposals requesting ship support, estimates for the number of ship days, excluding transit, must be provided. Principal investigators should consult the U.S. Antarctic Program website (<http://usap.gov/calendarsAndSchedules/>) for the latest information regarding availability of ship and airborne assets to ensure that a proposed request can be accommodated within the coming field seasons.

- For projects that request laboratory space in Antarctica for analytical work, investigators should justify the need to conduct the analyses in Antarctica rather than analyzing samples in their home laboratory.

- For projects requiring the development of instrumentation or equipment, appropriate engineering development practices should be followed and instruments should be designed with

due consideration of the special conditions in Antarctica and at USAP stations including, but not limited to, costly field resources for instrument deployment, harsh conditions, limited power, and avoidance of electromagnetic interference.

The goals of the U.S. government in Antarctica are to expand fundamental knowledge of the region, to foster research on global and regional problems of current scientific importance, and to use Antarctica as a platform from which to support research. For projects involving fieldwork, the U.S. Antarctic Program supports only that research that can be done exclusively in Antarctica or can be done best from Antarctica. The program also supports analytical research performed at home organizations.

For further information, please go to:

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

4. 2008 POGO-SCOR Visiting Fellowships for Oceanographic Observations

The Partnership for Observation of the Global Oceans (POGO) and its partner, the Scientific Committee on Oceanic Research (SCOR) announce the Fellowship Program for 2008. This program is designed to promote training and capacity building leading towards a global observation scheme for the oceans. The fellowship program is open to scientists, technicians, graduate students (PhD) and Post Doctoral Fellows involved in oceanographic work at centres in developing countries and countries with economies in transition. The fellowship provides airfare and a stipend for living expenses for up to three months. Deadline for application is **April 15, 2008**.

More information and the application form is available on the POGO website:

http://www.oceanpartners.org/POGO_SCOR_Fellowships.htm

Prospective host scientists are asked to contact POGO Secretariat so that we can provide contact information for applicants.

Contact for POGO-SCOR Visiting Fellowships 2008:

Liz Humphreys

Email <<mailto:pogo@mba.ac.uk>>pogo@mba.ac.uk

Tel: +44 (0)1752 633 234

Fax: +44 (0)1752 633 102

Position Announcements

5. Climate Change Science Program - Program Specialist III – Communications

The Joint Office for Science Support (JOSS) in Washington, D.C., seeks an individual to serve as the U.S. Climate Change Science Program Office (CCSPO) focal point for disseminating the results of CCSP activities credibly and effectively, and making CCSP science findings and products easily available to a diverse set of audiences. This involves planning, developing, and executing outreach campaigns, and overseeing operations to leverage program and agency assets.

The individual will staff the Communications Interagency Working Group (CIWG), providing advice and serving as liaison to senior Federal program managers and Public Affairs officer counterparts to promote program deliverables via digital and print mediums and coordinated events such as workshops, constituent briefings, and press launches. Outreach and communications efforts span an array of audiences.

Requires an advanced degree in communications, with direct work experience in the environmental sciences and/or public policy. Requires at least 7 years of communications or outreach experience, or an equivalent combination of education and experience. A background in the physical or social sciences is essential. Must exhibit expert written and verbal communications skills to create and edit targeted information materials to inform and educate Federal program management, staff, the community, stakeholders, and the general public.

Relocation is offered. Only submissions with salary requirements will be considered.

View detailed job description at www.ucar.edu. Initial consideration will be given to applications received prior to 02/15/2008. Thereafter, applications will be reviewed on an as-needed basis. Apply online at www.ucar.edu (Reference job #8057WP).

6. University of Miami - Postdoctoral Scholar Position in MJO Research

The Rosenstiel School of Marine and Atmospheric Science at the University of Miami invites applications for a post-doctoral position in the Division of Meteorology and Physical Oceanography. We are seeking a highly motivated postdoctoral research associate with experience in high-resolution (mesoscale and/or cloud-system resolving scale) modeling to conduct independent research on initiation mechanisms for the Madden-Julian Oscillation. A tropical channel model based on MM5 with two-way nesting domains of cloud-system resolving resolutions is available to the research but other modeling tools are also possible. Interested applicants should submit curriculum vitae, a cover letter including a brief statement of research interest, and a list of names and addresses (including email addresses) of three professional referees. Applications will be reviewed as received and the position kept open until filled. The position is available immediately but the starting date is negotiable. The appointment will be initially one year, renewable for up to three years. Salary will be commensurate with experience. Applications or requests for more information should be directed to:

Prof. Chidong Zhang
Division of Meteorology and Physical Oceanography (MPO)
Rosenstiel School of Marine and Atmospheric Science (RSMAS)
University of Miami
4600 Rickenbacker Causeway, Miami, FL 33149-1098
(Tel 305-421-4042, Fax 305-421-4696, Email <czhang@rsmas.miami.edu>)

7. Program Director for the Physical Oceanography Program, National Science Foundation

<http://jobsearch.usajobs.gov/ftva.asp?seeker=1&JobID=67789177>

The Program Director will be responsible for implementing the proposal review and evaluation process for the program. Conducts scientific/technical analyses of proposals received in the program. Contributes, consistent with NSF directives, to the establishment or modification of the system of selection of ad hoc reviewers to meet NSF objectives and program needs. Selects individuals to provide objective reviews of proposals either as experts or as members of a panel. Conducts programmatic reviews, determines funds availability, and evaluates similar or related projects, including internal and external liaison. Negotiates technical and financial revisions of proposals as required. Conducts final review of proposals and evaluations and recommends awards or declinations based on knowledge or resources availability and program goals and peer reviewer comments. Evaluates projects and activities that are proposed or funded by conducting site visits and reviewing interim and final reports. Negotiates interagency agreements with other Federal agencies for transfer of funds to assist in the support of research and education.

8. Associate Program Director for the Physical Oceanography Program, National Science Foundation (permanent position or Rotator)

<http://jobsearch.usajobs.gov/ftva.asp?seeker=1&JobID=67789078>

The Associate Program Director assists in implementing the proposal review and evaluation process for the program. Conducts scientific/technical analyses of proposals received in the program. Contributes, consistent with NSF directives, to the establishment or modification of the system of selection of ad hoc reviewers to meet NSF objectives and program needs. Selects individuals to provide objective reviews of proposals either as experts or as members of a panel. Conducts programmatic reviews, determines funds availability, and evaluates similar or related projects, including internal and external liaison. Negotiates technical and financial revisions of proposals as required. Conducts final review of proposals and evaluations and recommends awards or declinations based on knowledge or resources availability and program goals and peer reviewer comments. Evaluates projects and activities that are proposed or funded by conducting site visits and reviewing interim and final reports. Negotiates interagency agreements with other Federal agencies for transfer of funds to assist in the support of research and education.

ANNOUNCEMENTS:

• **23 years of International Satellite Cloud Climatology Project (ISCCP) data products**

With the recent addition of data for November 2005 to December 2006, the Atmospheric Science Data Center (ASDC) at NASA Langley Research Center announces the availability of 23 years of International Satellite Cloud Climatology Project (ISCCP) data products, covering July of 1983 through June of 2006. Data are available for the following data sets during this period:

B3 NATIVE: 3 hourly data with 30km resolution DX NATIVE: 3 hourly data with 30km resolution TOVS NATIVE: daily and monthly data on a 2.5 degree equal area grid D1 NATIVE & HDF: 3 hourly data on a 2.5 degree equal area grid D2 NATIVE & HDF: monthly and monthly 3 hourly data on a 2.5 degree equal area grid ICESNOW NATIVE: 5 day interval data on a 112 km equal area grid Documentation and Tools for working with ISCCP data are available from:

http://eosweb.larc.nasa.gov/PRODOCS/isccp/table_isccp.html

Meetings and Workshops

9. WMO Commission for Atmospheric Sciences (CAS) - Fourth International Workshop on Monsoons (IWM-IV)

20-25 October 2008, Beijing, China

The IWM series is a part of the WMO major quadrennial symposia and workshops series under the World Weather Research Programme (WWRP). As a WWRP activity, the IWM-IV will follow the guidance of CAS XIV (February 2006, Cape Town, South Africa) to emphasize research for the reduction of disaster risks through improved forecast of high-impact weather.

IWM-IV is organized by the Monsoon Panel of the CAS Working Group for Tropical Meteorology Research (<http://www.wmo.int/pages/prog/arep/wwrp/tmr/monsoon-panel.html>). The cosponsors include China Meteorological Administration, the World Climate Research Programm (WCRP)/CLIVAR Asian-Australian Monsoon Panel (AAMP), Institute of Atmospheric Physics of the Chinese Academy of Sciences, and other agencies of the host country. It will provide a forum for researchers and forecasters to discuss recent advances and current issues covering all time scales (meso, synoptic, intraseasonal, climate) that are relevant to the forecast of high-impact weather in the world's monsoon regions, and as a means to transfer

new science and technology to National Meteorological and Hydrological Services in these regions.

The workshop will include both invited and contributed papers for oral and poster presentations, and discussion sessions on international collaboration on research and forecast of high-impact weather in the monsoon regions. The International Committee organized by WMO will prepare review materials for various topics, which will be presented as invited papers at the Workshop. At the conclusion, a report including the reviews, discussions and recommendations will be used to update WMO Tech. Document 1266: The Global Monsoon System: Research and Forecast, which was prepared by IWM-III in 2004 (http://www.wmo.int/pages/prog/arep/tmrp/documents/global_monsoon_system_IWM3.pdf).

10. Twenty-First Annual Conference Pacific Congress on Marine Science and Technology (PACON 2008)

The Pacific Congress on Marine Science and Technology (PACON 2008) Energy and Climate Change: Innovative Approaches to Solving Today's Problems will be held at the Ala Moana Hotel in Honolulu, Hawaii on June 1-5, 2008. There are several sessions of note on climate change and its prediction and on ocean observations, including a session on Active and Passive Ocean Remote Sensing.

Deadlines:

Abstract Deadline: **February 29, 2008**

Hotel and Early Reservation Deadlines are in May 2008

11. Workshop on Regional Climate Forum for Northwest Mexico and the Southwestern U.S.

Ensenada, Baja California, Mexico

10 and 11 April 2008.

For more information please see the workshop web page:

<http://usuario.cicese.mx/~tcavazos/ClimateForum2008.html>

The objective of this meeting is to initiate a crossborder collaboration to coordinate various efforts in seasonal climate prediction to create an experimental climate outlook forum for the western US-Mexico border region to be used by different sectors of society.

We invite contributions related to regional climate applications and products including:

- 1) Seasonal climate outlooks
- 2) Predictability and seasonal climate forecasts skill
- 3) Impacts and understanding of weather and climate extremes such as drought, fire danger, floods, etc.
- 4) Impacts of climate on regional fisheries, agriculture, and water use
- 5) Climate products and applications, and crossborder collaborations.

The deadline for abstract submission is 20 January 2008. We plan to have invited and contributed presentations that will lead into discussions on the main topics. Please let us know if you prefer an oral presentation or poster. We will appreciate if you pass this information to other colleagues.

There will be a registration fee of \$20 dollars (or \$200 Mex Pesos). Ensenada is located ~100 km (62 mi) from the San Diego/Tijuana border. CICESE will provide transportation from the San

Diego airport to Ensenada; there is public transportation from the Tijuana airport to Ensenada. We will send other logistic and lodging information at the end of January.

12. Advances in Modeling and Observing Clouds and Convection (2-6 June 2008)

A list of confirmed keynote speakers and additional info can be found at
<<http://www.gewex.org/gcss.html>> <http://www.gewex.org/gcss.html>

The GEWEX Cloud System Study (GCSS) investigates cloud systems, their role in the climate system and their representation in models with a view to improving our capability to predict weather and climate using state-of-the-art modeling and data assimilation systems. GCSS will hold a meeting to review and discuss "Advances in Modeling and observing Clouds and Convection".

Key areas to be discussed at this meeting are:

- * New observations and recent field campaigns
- * Tropical Convection
- * High Resolution Modeling on Large Domains
- * Cloud Climate Feedbacks

Contributions to the meeting are sought in these key areas as well as in all other areas of cloud research. Submissions should be made by emailing a short abstract (<500 words) before March 1 2008 to the chair of the programming committee, A. Pier Siebesma <siebesma@knmi.nl>.

Furthermore the GCSS working groups on boundary layer clouds, cirrus, extra-tropical cloud systems, deep convective systems, polar clouds as well as the GCSS cross-cutting activities: cloud microphysics, cloud climate feedback, Pacific Cross section and climate model metrics will hold parallel workshops during the afternoons of June 2-5.

Free registration for the meeting is required by 1 March 2008. To register please send an email with your contact details to Irene Das <das@knmi.nl>. Please indicate which days you wish to attend the meeting. The meeting will be held in the International Conference Center of Meteo France in Toulouse, France. Logistics information including accommodation recommendations will be made available on the web in due course and registered users will receive the information via email.

13. 2008 Joint Assembly – Session on The Southeast Pacific and Atlantic Regional Climates Ft. Lauderdale (27-30 May).

Abstract Submission Deadline: March 5.

Southeastern Pacific and Atlantic weather and climate are influenced by processes occurring on many scales, including: aerosol and precipitation effects on stratocumulus, subtropical high dynamics and associated subsidence, oceanic upwelling and eddy circulation effects on SST, interactions between the Tropics and mid-latitudes, and geographical interactions with the large-scale circulation. These influences on regional climate have remote impacts with relevance for predictability. In this session we seek to represent a wide range of current interests connected by a common goal of increasing the depth of understanding on the behavior of the eastern oceans and their atmospheres, from the south-east oceanic stratocumulus decks north to the ITCZ. We strive for equal emphasis on modeling and observational studies, similarly for oceanic and atmospheric studies. Efforts relevant to the VAMOS Ocean-Cloud-Atmosphere-Land Study (VOCALS)

modeling and upcoming regional experiment are of particular interest, while studies on the eastern Atlantic are also encouraged.