

PACJET Workshop-2001

Dates: Wed-Fri. 24-26 October, 2001

Location: Monterey, CA

PACJET's Mission

Develop and test methods to improve short-term (0-24 h) forecasts of damaging weather on the U. S. West Coast in land-falling winter storms emerging from the data sparse Pacific Ocean.

Overall Purpose of Workshop

This workshop will bring together scientists, forecasters, and forecast users to consider both short-term goals for PACJET-2002, and a vision of the program's future. Key issues to be addressed are: developing a pathway for transitioning results to operations, the role of PACJET as an observing system testbed, priorities for research, and how to strengthen the developing partnerships between research, operational forecasting and forecast user needs. Results from CALJET in 1997/98 and PACJET in 2001 will be reviewed, and refinements to a draft "Science Plan" and draft "Forecast Applications Development Plan" will be considered.

A Key Workshop Objective

A central issue for this workshop concerns possible annual field activities for combined operational and research objectives. Annual field activities can act as a test bed for new ideas, observations, models, etc., and are an opportunity to explore research objectives linked by PACJET's core themes. One approach that could reconcile the disparity between the traditional research time scale for field efforts on individual topics (usually separated by 3-4 years or more), with that of direct operational uses where annual activities are warranted, is to build a program that includes roughly 6 major research topics for which a critical mass of funding is available to allow long-term support for each, and to have 1 or 2 of those topics be the science focus in a given year's field activities. By combining this with a core of funding for field efforts each winter, we would create a unique and productive synergy between research and operational goals that would assure meaningful progress on the problem of west-coast storm prediction, and would serve as a model for how to make progress on mesoscale forecast problems in other regions

Other specific workshop objectives include:

- 1) Reviewing results from CALJET and PACJET-2001.
- 2) Refining plans for the 2002 field phase.
- 3) Exploring present and anticipated future observing system needs of the science, forecast applications, and forecast user communities.
- 4) Determining how best to coordinate and cooperate with THORPEX
- 5) Considering a new broader name for this effort (e.g., "Pacific Coast Winter Storm Program", "Western Weather Program," or "West Coast Weather Research and Prediction Program")

Agenda

This Workshop will have four major sessions:

6) Scientific issues

Wed. Oct. 24, 8:00 AM to 2:30 PM_

Co-Chairs: Wendell Nuss (NPS), Ola Persson (ETL), Brad Smull (NSSL/UW)

Theme: Key areas of research that will advance understanding of landfalling winter storms with particular focus on improving short-term quantitative precipitation and wind forecasts.

7) Forecasting Applications Development

Wed. Oct. 24, 3:00 PM to 5:00 PM; Thurs. Oct. 25, 8:00 AM to 11:30 AM_

Co-Chairs: Warren Blier (NWS), Louisa Nance (ETL), Tom Ainsworth (NWS-WR) and Andy Edman (NWS-WR)

Theme: Observing system requirements that will lead to significant improvements in lead time for severe weather watches and warnings.

8) Forecast User Needs

Thurs. Oct. 25, 12:30 PM to 5:30 PM_

Co-Chairs: Kristen Koch (OAR), Marty Ralph (ETL), Chris Dewees (CA SeaGrant)

Theme: Specification of requirements, products and communication pathways that can provide the greatest benefit to forecast users.

9) Plenary

Friday Oct. 26, 8:00 AM to 12:00 PM_

Co-Chairs: Marty Ralph (ETL), David Reynolds (NCEP/NWS), Doug Miller (NPS), David Kingsmill (DRI)

Theme: Optimal integration of the science, forecast application, and forecast user need components of the program and strategies for long term sustainability.

These sessions will include both presentations and general discussion. Although there will be several invited presentations, we encourage submission of abstracts (no more than 1 page) on subjects that are relevant to PACJET. Session organizers will determine how these presentations can best add to the workshop.

_There will be mid-morning breaks each day and mid-afternoon breaks on Wednesday and Thursday. Lunches on Wednesday and Thursday will be from 11:30 AM to 12:30 PM. Any break-out sessions amongst smaller groups, if desired, will be held in the evening.

Logistics

Dates: 8 AM Wednesday October 24 to Noon Friday October 26, 2001

Location: Naval Postgraduate School (NPS), Monterey, CA
Room 122 Ingersoll Hall
Maps of Monterey and NPS:
<http://www.nps.navy.mil/on.nps/maps.html>
http://www.nps.navy.mil/images/campus_map.gif

Lodging: Blocks of rooms have been reserved at three hotels near NPS for the nights of 23-25 October. They are:

Hotel Name	Rate	Address	Phone
Travelodge	\$69	2030 N. Fremont Street	(831) 373-3381
DeAnza Inn	\$75	2141 N Fremont Street	(831) 646-8300
Bay Park	\$89	1425 Munras Ave	(831) 649-1020

Rates are for single occupancy, do not include sales or city taxes, and are valid until 23 September. When making reservations, please identify yourself as part of the PACJET Workshop.

Registration: Please contact Doug Miller by September 24th. If submitting an abstract (no more than 1 page), please send via email to Doug Miller by September 24th. Contact information is below.

Organizers: Marty Ralph, NOAA/ETL, Boulder, Colorado
Marty.Ralph@noaa.gov 303-497-7099

David Reynolds, NCEP/NWS, Washington, D.C.
David.Reynolds@noaa.gov 301-763-8000 ext. 7317

Doug Miller, NPS, Monterey, California
dkmiller@monterey.nps.navy.mil 831-656-3101

David Kingsmill, DRI, Reno, Nevada
davidk@dri.edu 775-674-7071