



NOAA's NATIONAL WEATHER SERVICE Western Region Notes

June 29, 2006

REGIONAL DIRECTOR'S OFFICE

Leadership Corner: Following Through With Plans

By *Kim Runk, WFO Las Vegas MIC*

I've wanted to go to Europe for as long as I can remember, but I've never been. Several years ago, my sister moved to Germany, and I thought that would be the catalyst for me to finally make that trip. Every year for three years, my wife and I planned to go visit, and every year something happened to cause us to cancel. My sister finally moved back to the States, and I still find myself in the regretful position of never having been to Europe.

Most of us can think of a similar situation – a time when we could have experienced something special if we had only taken the time to plan and then made the effort to follow through. For you, it might not have been a trip. Maybe it was a career opportunity, a personal relationship, something to do with physical fitness or academics. Whatever the case, a little more planning, a little follow through, a little extra effort at the right time, and you would have experienced a meaningful milestone.

I'm not trying to discourage anyone by dredging up past regrets. Far from it. What I am trying to do is prompt us all to achieve something special by facing a hard truth. In his excellent book *Leadership is an Art*, the late Max Depree wrote, "The first responsibility of a leader is to define reality." One reality is that each of us misses out on achieving some important goals simply because we failed to follow through on plans.

I recently stumbled across some notes from a lecture I attended a couple years ago, and rediscovered these ideas:

- Control your destiny or someone else will.
- Change before you have to.
- If you want to achieve great things, ask yourself four questions:
 1. What do I really want?
 2. What will it cost?
 3. Am I willing to pay the price?
 4. When should I start paying the price?

Here's the catch. If I don't answer that last question by setting a time and acting on it, the rest doesn't really matter. And of course, the best answer to the last question is *today. Now.* Without any more excuses or further delay. Achievers choose what losers won't and pay the price that others don't.

Many meaningful goals are within our reach if we make the effort to follow through on commitments. What does it take to be a better friend? Following through on commitments. What does it take to be a better parent? Following through on commitments. So what will it take to become a better leader? You guessed it – following through on commitments.

William Arthur Ward once said, “The pessimist complains about the wind, the optimist expects it to change, and the realist adjusts the sails.” Are you ready to get real?

Adjust your sails. Don't wait until tomorrow. Control your destiny or someone else will. Figure out what you want and begin to make that extra effort. Follow through. Stop prioritizing what's on your schedule and start creating a schedule around your priorities. Do it now, while you still can. I assure you – you won't regret it.

METEOROLOGICAL SERVICES DIVISION

Statement of the Week: This week's Statement of the Week is a High Surf Advisory issued by WFO San Diego. The advisory covered the Orange County and San Diego County Coastal areas beginning on the afternoon of Monday, June 19, and highlighted the threat of high surf and dangerous rip currents.

The advisory first verified on Monday night when high surf caused dangerous conditions all along San Diego's coast. San Diego lifeguards rescued more than 20 people caught in rip currents. Most of the rescues occurred in the La Jolla shores area.

WHUS46 KSGX 182021
CFWSGX

COASTAL HAZARD MESSAGE
NATIONAL WEATHER SERVICE SAN DIEGO CA
121 PM PDT SUN JUN 18 2006

CAZ042-043-191000-
/O.NEW.KSGX.SU.Y.0012.060619T2100Z-060622T0400Z/
ORANGE COUNTY COASTAL AREAS-SAN DIEGO COUNTY COASTAL AREAS-
121 PM PDT SUN JUN 18 2006

...HIGH SURF ADVISORY IN EFFECT FROM 2 PM MONDAY TO 9 PM PDT
WEDNESDAY...

THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED A HIGH SURF
ADVISORY...WHICH IS IN EFFECT FROM 2 PM MONDAY TO 9 PM PDT
WEDNESDAY.

A LONG PERIOD SOUTH SWELL...AND TO A LESSER EXTENT...AN INCREASING
NORTHWEST SWELL...WILL COMBINE TO CREATE HIGH SURF AND DANGEROUS RIP CURRENTS
AT MANY BEACHES LATE MONDAY THROUGH WEDNESDAY. WHILE THE SHORTER PERIOD
NORTHWEST SWELL WILL BE SIGNIFICANT...MUCH OF THE ENERGY ASSOCIATED WITH IT WILL
REMAIN OFFSHORE. THE MORE SIGNIFICANT HAZARD WILL BE A LONGER PERIOD SOUTH
SWELL GENERATED BY A LARGE STORM IN THE SOUTHERN HEMISPHERE LAST WEEK.

THE SWELLS WILL BE BUILDING MONDAY AFTERNOON AND LIKELY PEAK ON
TUESDAY INTO EARLY WEDNESDAY WHEN SURF IS EXPECTED TO REACH 5 TO 8 FEET. SOUTH
AND SOUTHWEST FACING BEACHES WITH A BETTER EXPOSURE TO THE SOUTH SWELL IN
ORANGE AND NORTHERN SAN DIEGO COUNTIES CAN EXPECT MUCH HIGHER SETS LOCALLY
TO 10 FEET AT TIMES TUESDAY INTO WEDNESDAY MORNING.

SINCE THE LARGEST WAVES WILL BE INTERMITTENT...IT WILL BE PARTICULARLY DANGEROUS FOR PEOPLE FISHING OR OBSERVING WAVES NEAR THE WATERS EDGE...ON ROCKY AREAS...AND FROM JETTIES EXPOSED TO THE SOUTH. VERY LARGE WAVES MAY SUDDENLY SWEEP ACROSS PREVIOUSLY DRY AREAS AFTER PERIODS OF RELATIVE CALM. SWIMMING OR SURFING IN THESE WAVES MAY BE DANGEROUS FOR ANYONE DUE TO THE POWERFUL WAVES AND STRONG RIP CURRENTS.

A HIGH SURF ADVISORY MEANS THAT HIGH SURF WILL AFFECT BEACHES IN THE ADVISORY AREA...PRODUCING RIP CURRENTS AND LOCALIZED BEACH EROSION...PARTICULARLY AT TIMES OF HIGH TIDE.

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JAD

Service of the Week: Introducing a new addition to the Staff Notes...Service of the Week! This section will highlight individuals or offices that perform outstanding or creative service to our partners and customers. For future consideration, please send your recommendations to Claudia Cox. Here is a great first edition.

Lead Forecaster, Valerie Mills made excellent use of observation grids in GFE to provide outstanding service to a key hydrologic customer.



Inflows into the Boise River reservoir system increased rapidly due to rain and snow melt during the period June 5-9. Agencies responsible for regulating flow out of these dams make important water release decisions based on NWS forecast information and hydrologic model output. Reservoirs are typically full this time of year, as water is held back to meet summer irrigation demand, leaving little available space for flood control. Early June rains, and a warm spell that increased snow melt, complicated reservoir release decisions.

The Corp of Engineers called Valerie, requesting observed temperature information for them to use in calibrating their decision making techniques. They wanted hourly temperature data at three different elevation levels in the Boise River drainage basin for their analysis. Knowing that single point

observations in the varying elevations of the basin would not be representative of basin-wide conditions, Valerie innovatively used temperature observation grids in GFE to provide the desired information. Edit areas were created for three different elevation bands in the basin, then a screen capture was made of the temporal editor in GFE to give a depiction of the temperature trends across the basin during the desired period (an example of the 8 – 9 thousand foot range, is above). Valerie was creative in utilizing the digital observation database and GFE to go the extra mile in providing this important service to a key customer.

WFO Eureka Receives NOAA 200th Anniversary Grant: WFO Eureka submitted a grant proposal for a “One NOAA” brochure. They recently learned the project was accepted. The core product will provide a 12-panel brochure describing the offices, projects and NOAA partners in Del Norte, Humboldt, Trinity, and Siskiyou counties in northwest California. The handout will be available to anyone who takes a tour at NOAA’s Trinidad marine lab or the WFO in Eureka. It also includes other NOAA offices, including the National Marine Fisheries Service office in Arcata and the Sea Grant offices in Crescent City and Eureka. Reminders of NOAA activities also will be presented via radio public service announcements and interviews, along with outreach activities at the annual Humboldt Maritime Expo. An Internet version of the handout will be posted to local NOAA Web sites with links to the individual activities for each agency. Congratulations for your successful efforts to help tell the NOAA story!



Diversity Activities Across the Region: Western Region offices recently celebrated Asian-Pacific Islander Month.

At WFO San Joaquin Valley, ASA Daisy Noceda (pictured in the blue dress) organized an office activity. The staff enjoyed a lunch of Filipino dishes and watched a video of traditional Filipino dances. Daisy recently left the NWS, and the WFO staff appreciates her service in Hanford and on the Western Region Diversity Action Committee."



In Sacramento, Leilani Fiorentini, the new ASA at the California-Nevada RFC, treated the RFC and WFO staff to a Hawaiian lunch. In addition to the lunch, Leilani brought in a nice collection of cultural items for the break room and reception area. Pictured at left are Thea Minsk (left) and Leilani Fiorentini (right).

Thanks to our offices for promoting diversity across the region!

Tsunami Education Workshop held in Long Beach, WA: WFO Portland partnered with Washington emergency management officials and the Pacific County emergency manager to conduct two tsunami education workshops in Long Beach, WA, on June 7. The Long Beach peninsula, located on the southwest coast of the state, is approximately 20 miles long and three miles wide. The location and geography of Long Beach peninsula make this area extremely vulnerable to tsunami impact.

The education workshops provided education for more than 60 attendees from the hotel-motel industry and the public. Brian Atwater, from USGS, opened the workshop with a discussion of his field work and research of historical Japanese archives to identify past tsunamis that have hit the peninsula, including the great one that struck the Pacific Northwest coast in January 1700. That tsunami was caused by an earthquake in the Cascadia Subduction Zone, which lies approximately 50 miles off the coast. Tyree Wilde, WCM from WFO Portland, discussed NOAA's Tsunami Warning Program and how residents and visitors can use NOAA Weather Radio to receive warnings and other information. Other speakers included Tim Walsh from WA Department of Natural Resources and George Crawford from Washington State Emergency Management.

Medford Supports Pacific Peril 2006: About 400 representatives from 54 federal, state, local, Canadian and military agencies from the Arctic Circle to the Mexican border met recently at Camp Rilea, OR, for Pacific Peril 2006. The three-day training simulated a magnitude 9.0 earthquake along the 800-mile Cascadia Subduction Zone fault. The earthquake scenario caused massive damage to people and property from Cape Mendocino, CA, to the Brooks Peninsula on Vancouver Island, Canada. The earthquake also spawned tsunamis which repeatedly struck the North American Pacific coastline. This worst-case scenario tested emergency plans at the Pacific Peril workshop. The exercise was hosted by the U.S. Department of Transportation and tested these agencies' abilities to work together to coordinate response, recovery, and repair efforts in a large scale natural disaster.

During the first day, Medford WCM Ryan Sandler gave a presentation on the "Tsunami Warning System," highlighting the services of the Alaska/West Coast Tsunami Warning Center, to help participants understand how tsunami warning decisions are made and how tsunami warnings will reach them. During the second day, participants "responded" 12-24 hours after the earthquake and simulated follow-on events and response activities. Infrastructure repair and transportation alternatives from an actual event would heavily impact on roadways and destroy or damage beyond safe use many bridges. The final day of the workshop provided attendee feedback and lessons learned, allowing emergency managers and planners at all levels to work together to strengthen their planning, preparation and response capabilities.

Idaho Homeland Security Lauds NWS Support: WFO Boise WCM Paul Flatt attends monthly meetings at the Idaho Bureau of Homeland Security (BHS) to provide short briefings on statewide weather threats and to pass along general forecast information. This meeting is attended by about 30 individuals from nearly all Idaho state departments, plus the American Red Cross and several other Federal agencies. During the June meeting, the director of BHS, Bill Bishop, thanked the NWS for all the support provided to BHS and local emergency managers. His comments were directed at each of the Idaho WFOs and specifically lauded the quality of the products each office produces. This past winter of heavy snowfall and a wet, warm spring stressed BHS and many counties as snow melt filled reservoirs and rivers and flooded surrounding areas. He pointed out that the coordination efforts during the past several years paid off with great communications among BHS, county emergency managers and the NWS. He also commended the increase in the quality of NWS products and Web pages the past several years. Congratulations WFO Boise and Pocatello. Your hard work to get accurate forecast information out is greatly appreciated by the emergency community in Idaho.

California WFOs Meet With Hydrology Customers: In early June, WFO San Joaquin Valley MIC Steve Mendenhall and WCM Dan Gudgel joined WFO Sacramento WCM Kathy Hoxsie in Newman, CA, to discuss flood impacts along a levied portion of the San Joaquin River at the Newman forecast point with local customers. Representatives from the city and Stanislaus County were concerned about

river stages that could affect the city's waste treatment plant that is adjacent to the levee. They were pleased to learn more about the availability of graphical forecast stages from the California-Nevada RFC plan to make good use of this tool in making future decisions.

WFO Phoenix Hosts Sub-Region Weather Workshop: WFO Phoenix and the Salt River Project (SRP) water resources staff hosted a sub-regional weather workshop for representatives from five WFOs (Las Vegas, San Diego, Flagstaff, Tucson and Phoenix) during early June. Presentations during the workshop focused on: research projects, flash floods, heat and grid-based verification. Topics included:

<u>Presenter:</u>	<u>Office:</u>	<u>Topic:</u>
Stan Czyzyk	WFO Las Vegas	T-REX field experiment
Peter Rogers	WFO Phoenix	NAME: Examination of the 2004 "Gulf Surge"
Erik Pytlak	WFO Tucson	NAME results and training module
Brandt Maxwell	WFO San Diego	Lightning-based MOS for summer thunderstorms
Doug Green	WFO Phoenix	Case study: 2003 Quasi-stationary MCS in Gila County
Ann Youberg / Phil Pearthree	Arizona Geological Survey	Impact of recent burn areas on flash flooding and mudslides, overview of models and research plans
Mike Schaffner	WFO Tucson	KINEROS flash flood forecast model
Jon Skindlov	SRP	Heat alert work in Europe, 2003 European heat wave
Tony Haffer	WFO Phoenix	Phoenix's heat advisory and heat watch/warning system
Will Humble	Arizona Department of Health	Heat-related illnesses, public health intervention plans
Erik Pytlak	WFO Tucson	Using BOIVerify to improve dew point and relative humidity forecasts

Congratulations to all who participated in the highly successful workshop.



Shoreline, WA, is StormReady: Shoreline, WA, held a June ceremony to mark the city's designation as a StormReady Community. Ceremony attendees (from left) are: Council members Keith McGlashan and Rich Gustafson; Public Works Director Paul Haines; Emergency Manager Gail Marsh; Deputy Mayor Maggie Fimia; Mayor Bob Ransom; Council members Ron Hanson, Janet Way and Cindy Ryu; and Ted Buehner, WFO Seattle WCM.



Southwest LIFT: On June 8, representatives from the WFOs in Las Vegas, San Diego, Flagstaff, Tucson, and Phoenix got together for a one-day leadership development workshop in Phoenix. Organized by Stan Czyzyk and Austin Jamison, the workshop was attended by LIFT program participants and mentors as well as Phoenix staff members and a hydrologist with Salt River Project.

The morning session was comprised of presentations by Stan Czyzyk (Las Vegas SOO) and Brandt Maxwell (San Diego Forecaster) as well as an archived web seminar given by author and management consultant Patrick

Participants listen to Dr. Suzanne Peterson discuss the qualities of an admired leader

Lencioni. The topics included customer service and positive attitude, networking, and overcoming team dysfunction. The afternoon session was comprised of talks by invited speakers from outside of the NWS. Dr. Suzanne Peterson, of the School of Global Management and Leadership at Arizona State University and Southwest Regional Director of CRA Inc., discussed the characteristics of an admired leader, how to seek and provide feedback, and tips for working with customers and coworkers. David Areghini, Associate General Manager of Salt River Project (Phoenix area electric utility and reservoir manager) gave an executive's viewpoint on leadership. The day was concluded with a discussion amongst the LIFT members about leadership-related ideas and experiences.



Las Vegas MIC Kim Runk is interviewed before the news conference.

WFO Las Vegas Teams up for Turn Around...Don't Drown Initiative:

The Turn Around...Don't Drown flash flood safety campaign is taking another step forward in Las Vegas this summer. WFO Las Vegas announced a new partnership with the Federal Alliance for Safe Homes (FLASH.org) and the Allstate Foundation at a multi-agency pre-monsoon news conference at the WFO in late June.

The Allstate Foundation awarded FLASH.org a grant for \$16,000 to partner with the WFO to further educate the residents and tourists of southern Nevada about the dangers of flash flooding. Elements of the Las Vegas Turn

Around Don't Drown campaign include:

- Radio and TV spots to air on 74 radio and television stations in Nevada
- Pre-show movie theater ads to run for three weeks in two major theaters in Las Vegas starting July 14
- "Flash" cards in English and Spanish with important flood safety information to be distributed by the National Weather Service

HYDROLOGY AND CLIMATE SERVICES DIVISION

2006 Montana Hydrology Conference: The WFO at Great Falls is coordinating the "2006 Montana Hydrology Conference" that will be held at the Park Plaza Hotel in Helena, August 22-24. The focus of this year's conference will be the NWS Advanced Hydrologic Prediction Services (AHPS), river ice and snow topics. A goal is to provide a face-to-face environment to share new ideas from the many agencies that have to face the challenges of winter hydrology. Invited speakers include Dr. Kathleen White from the Cold Regions Research and Engineering Lab in New Hampshire and Dr. Faye Hicks from the University of Alberta in Edmonton, Alberta, Canada. If you are interested in attending or participating please contact Gina Loss, the Senior Service Hydrologist in Great Falls.

SCIENTIFIC SERVICES DIVISION

AWOC Winter Weather Training (AWWT): The AWOC Winter Training Module must be completed by **November 30, 2006**. Per the November 28, 2005 training memorandum, completion of the AWWT is required by all WFO staff who issue warnings and forecasts. This does not include CWSUs and RFCs, although they are encouraged to take the training as part of career development or

personal interest. No local fall WES case studies or TA-Lite are required, since WES cases are part of the AWWT.

GOES-11 moving to GOES-West Position: GOES-11 will replace the GOES-10 as the GOES-WEST operational satellite on June 27. No change will be required on AWIPS. This change is part of the normal, planned replacement of geostationary satellites as they age and run low on fuel. GOES-10 will drift eastward to 60 degree west and serve as an imager for South America as long as the fuel remains.

USGS MMS/PRMS Modeling effort: The workshop has been targeted for August 28-30 to provide an opportunity for selected WR service hydrologist to become more familiar with the USGS hydro modeling system. For more information, contact Kevin Werner.

Verification Project:

- **New Training Module - how to use Boiver to examine TD:** David Myrick has developed a new Articulate training module summarizing key ideas from last 2 training calls. It steps you through how to analyze the TD case presented by Kirby Cook. It can be found at: http://ww2.wrh.noaa.gov/ssd/digital_services/training/BOIVerify_high_impact_Td/
- **WR project summary Training modules, Mod-notes, GOTO Meeting recordings and deadlines.** This page can be found at: http://ww2.wrh.noaa.gov/ssd/digital_services/projects/verification.php

Documentation and Training	Training Presentations	MOD Notes	Information & Frequently Asked Questions
ObsQC Tool & MatchObsAll	<u>ObsQC Tool Training:</u> <ul style="list-style-type: none"> - PQR Obs QC Tool Training, by Tiffani Brown (PQR) <u>Background Science Training Modules:</u> <ul style="list-style-type: none"> - Quality Control Basics, by Dave Myrick (SSD) - Representativeness Errors, by Dave Myrick (SSD) - Understanding How Objective Analyses Are Created, by Dave Myrick (SSD) 	<ul style="list-style-type: none"> - WR Mod-Note WR06-003: MesoWest Decoding Upkeep. - WR Mod-Note WR06-004: ObsQC Tool - First Install. 	<ul style="list-style-type: none"> - MesoWest Decoding Background Information. - How do I set my MatchObsAll to re-run over a longer period of time? - How do I control the Observation groupings in the Obs QC GUI?
BOIVerify	<u>BOIVerify Training:</u> <ul style="list-style-type: none"> - Intro training for the BOIVerify tool, by Tim Barker (BOI), Kirby Cook (SSD), and Aaron Sutula (SSD) - Generating some simple Impact Statistics using 	<ul style="list-style-type: none"> - WR Mod-Note WR06-005: BOIVerify - First Install. 	<ul style="list-style-type: none"> - How do I add a model to BOIVerify?

	BOIVerify tool, by Kirby Cook (SSD) - Examples of how to investigate dewpoint and MaxT fields using BOIVerify, by Dave Myrick (SSD)		
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Ongoing Activities	Links
Western Region Forum (ongoing)	https://internal.wrh.noaa.gov/forum
SOO/Verification Focal Point Conference Calls	<ul style="list-style-type: none"> - May 10, 2006 - Using the Hanford QC tool and modifying office procedures routinely do QC, led by Aaron Sutula (SSD) - May 18, 2006 - How to get started using the BOIVerify Application, led by Aaron Sutula (SSD) Upcoming additions/fixes/etc. to BOIVerify (Powerpoint slides), presentation by Tim Barker (BOI) - May 31, 2006 - How to analyze TD/RH fields for the upcoming fire weather season using BOIVerify, led by Kirby Cook (SSD) Powerpoint slides and Assignment - June 7, 2006 - Linear Regression/Bias Correction using BOIVer, led by Tim Barker (BOI) GoToMeeting (.wmv file)*** Powerpoint slides only <p>*** If you are having trouble viewing the GoToMeeting video (.wmv) files, you will need to install a codec download from https://www.gotomeeting.com/codec. This download should only be necessary if you are on a computer that GoToMeeting has never been run on before.</p>
Important Dates	<ul style="list-style-type: none"> - July 10, 2006 - Assignment Part 1 due - July 12, 2006 - Scheduled conference call - highlights from BOIVerify Assignment Part 1 - August 10, 2006 - Assignment Part 2 due - September 10, 2006 - Assignment Part 3 due

Upcoming Science Workshops

NAME Workshop – August 17-18: Last year, NAME successfully conducted a field study to gather more information about how the monsoon affected the southwestern U.S. A workshop will be held August 17 and 18 in Tucson to share results to date. A few of the goals for the workshop are:

1. Synthesize scientific findings from recent and ongoing NAME research
2. Identify and prioritize NAME modeling issues to improve NAM forecasting from diurnal to seasonal time scales;
3. Outline content for a North American Monsoon COMET module.

More information can be found at: http://www.joss.ucar.edu/joss_psg/meetings/name_swg8/.

10th Annual Great Divide Weather Workshop – October 3-5: The 10th Annual Great Divide Workshop will be held October 3-5 in Billings, Montana. NOAA's National Weather Service Offices in Billings and Glasgow are sponsoring this workshop focusing on the exchange of weather and hydrologic forecasting information unique to the Northern Rockies and High Plains. The workshop will be held at the Sheraton Hotel in Billings. Please submit abstracts or topics to Wr.Great.Divide.Workshop@noaa.gov by August 15. More information can be found on the Internet at weather.gov/Billings or weather.gov/Glasgow or by contacting NOAA's National Weather Service Forecast Offices in Billings, Montana at (406) 652-0851 or Glasgow, MT at (406) 228-4042.

Training Update

COMET: New WRF Training Modules: A new shorter version of the WRF training module targeted for the forecasters is available at http://www.meted.ucar.edu/nwp/NAMWRF_short/. A longer version targeted for the SOO and model focal points is available at <http://www.meted.ucar.edu/nwp/NAMWRF/>.

Warning Decision Branch – AWOC: AWOC Winter Weather training is now available through the LMS. Please see <http://www.wdtb.noaa.gov/courses/winterawoc/index.html> for more details on the AWWT.

Teletraining Sessions for July: The Virtual Institute for Satellite Integration Training (VISIT) calendar for July is now available. Offices can register for the teletraining sessions by sending email to: visit@comet.ucar.edu. The teletraining calendar is now at: <http://rammb.cira.colostate.edu/visit/ecal.asp>

The teletraining planning calendar with other sessions is at: <http://rammb.cira.colostate.edu/visit/planning.html>

The current sessions planned for July are:

- GOES Sounder Data and Products (Basic, July 17)
- Forecasting Convective Downburst Potential Using GOES Sounder Derived Products (Basic, July 19)
- Mesoscale Analysis of Convective Weather Using GOES RSO Imagery (Basic, July 11)
- Use of GOES/RSO imagery with other Remote Sensor Data for Diagnosing Severe Weather across CONUS (RSO 3) (Intermediate, July 12,13)
- The Enhanced-V: A Satellite Severe Storm Signature (Basic, July 14)
- GOES High Density Winds (Basic, July 27)

Several recorded VISIT session are available via LMS: <http://e-learning.doc.gov/coursecatalog/index.cfm>. Then, go to National Weather Service Courses and search on VISIT.

All previous sessions including those with recorded instructor audio and annotations are available at: <http://rammb.cira.colostate.edu/visit/ts.html>

SYSTEMS OPERATIONS DIVISION

Sexton Summit: The Sexton Summit Project to relocate the ACU, along with several facilities upgrades, has been completed.

AHPS Server Replacement: The hardware upgrade for the AHPS server is well underway. The server has been configured and installed. The AHPS contractor installed the AHPS software and we will test, in parallel, the server over the 4th of July weekend. The new server is scheduled to go live on July 5.

AWIPS Upgrade: Gar Nelson assisted Mary Buckingham, NWSH, with the DX3 and DX4 installs at WRH.

Upper Air Visit: Harold Knocke traveled to Quillyute, WA and conducted an inspection of the Upper Air Site.

ET Assistance: Merri Richmond traveled to WFO Medford to provide Electronics Support.

New Bards: Jim Chaisson and Tom Page traveled to WFO Billings to install new A/C at the radar.

New UPS: Lee Jenson and Grant Garner installed a new UPS at WFO Tucson.



Phone System Upgrade: Steve Keene traveled to WFO Glasgow and upgraded the phone and voice mail systems.

WR FET: Dan Clark completed ASOS site re-conditioning last week; at four Eureka WFO CWA ASOS's in Northern California. CEC, STS, UKI and ACV (pictured). Reconditioning work consisted of new gravel, some filter fabric and lots of vegetation control to allow better access to the sensor groups."