



# naval meteorology and oceanography

April 10, 2009

## Commander's Corner



As many of you know, the Chief of Naval Operations has asked me to relieve Rear Adm. David Gove as N84/Oceanographer of the Navy. I'm personally honored and humbled by the offer. Quite simply, this is a tremendous vote of confidence by Navy's senior leadership – not in me *per se*, but in the strengths, talent and leadership of the Naval Oceanography community.

The CNO is asking Naval Oceanography to work at the national level on some of the most challenging issues of our times: climate change, Arctic policy, and efficient energy usage. This is a testament that Navy understands our community has the intellectual capability and capacity to provide innovative leadership and new ideas to these pressing topics. I hope you all would agree that there has never been a more exciting time to work in Naval Oceanography.

In the midst of these changes, I know there are many questions regarding my successor, and how this development affects the 06 commanding officer billets. As of this writing, the Navy has not officially disclosed the timing of naming the next CNMOC, and until then I will be dual-hatted. Please rest assured that as the details are determined, I will make it a top priority to keep our community informed at every turn.

Again, I want to stress this is truly a vote of confidence by the Navy's most senior leadership in the quality and type of work performed by the officers, Sailors and civilian professionals of Naval Oceanography. Thank you so very much.

All the best,  
David W. Titley, Rear Admiral USN

## Items of Interest

### HEIM ASSUMES COMMAND AT CUS; CUS TRANSFERRED

**TO SUBFOR:** Capt. Peter W. Furze, Commander, Undersea Surveillance (CUS), was relieved by Capt. Paul K. Heim II during a change of command ceremony, March 27, on board Naval Air Station Oceana, Dam Neck Annex.



Rear Adm. David Titley, commander of the Naval Meteorology and Oceanography Command (NMOC), was the guest speaker at the ceremony. Titley presented Furze with the Legion of Merit.

Heim, who has been serving as Chief Staff Officer of Commander, Undersea Surveillance, takes command of Sailors and DoD employees whose mission is to direct oversight of the operations, training, maintenance and readiness of two Naval Ocean Processing Facilities (NOPFs) and their associated surveillance ships USNS Able, USNS Impeccable, USNS Effective, USNS Victorious, and USNS Loyal.



Simultaneous with the change of command, CUS became an Echelon IV Command under Commander, Submarine Force Pacific Fleet.

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**SALAZAR GIVES UP THE LOOP:** Lt. Jennifer Salazar, Rear Adm. David Titley's aide, has been relieved by Lt. Laura Bond. Salazar will move to USS Bonhomme Richard out of San Diego.

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**MAKIN ISLAND MAKES ACCEPTANCE TRIALS:** AG3 Miranda Mutte of Strike Group Oceanography Team San Diego (SGOT San Diego) runs Advanced Refractive Effects Prediction System (AREPS) in support of air tracking events onboard USS Makin Island during acceptance trials last month (pictured right). The ship's METOC office focused on testing the Mini Rawinsonde System (MRS) and the SMQ-11 Satellite receiving system. METOC Sailors used the data from the MRS to run AREPS predictions in support of air tracking events for U.S. Navy's Board of Inspection and Survey (INSURV).



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## Exercises

**NAVOCEANO GETS PUBLICITY IN EXERCISE:** The Naval Oceanographic Office (NAVOCEANO) has attracted attention in Corpus Christi, Texas, as NAVOCEANO employees surveyed the Corpus Christi Ship Channel and Inner Harbor in advance of a limited objective experiment (LOE) with the Naval Anti Submarine and Mine Warfare Command, the Coast Guard and the Department of Homeland Security. The LOE will be held in May with members of the Naval Oceanography Mine Warfare Center (NOMWC) and NAVOCEANO employees participating from the oceanography community. A story ran in the Corpus Christi Caller Times and on local television in Corpus Christi.



### USNA OCEANOGRAPHY INSTRUCTOR, STUDENTS IN

**ICEX 2009:** Two Naval Academy midshipmen and an oceanography instructor spent their spring break at temporary ice camp built on the Arctic Ocean during Ice Exercise 2009 (ICEX 2009) off the north coast of Alaska.

Midshipmen 1st Class (seniors) Julie Barca from Lower Burrell, Pa., and Leah Jordan from Weston, Wisc., both oceanography majors, worked with researchers to measure water pressure, salinity and other characteristics under the ice and relay that information to the two Navy submarines the camp supports, USS Annapolis and USS Helena. Lt. John Woods accompanied them as the oceanography instructor.

Pictured are (l-r) Barca, Woods and Jordan in front of USS Annapolis with the Naval Academy flag.

## Graduation

**KERN FINISHES WITH PERFECT SCORE:** AGAN Terra D. Kern recently completed Aerographer's Mate AG-A1 School on with a 100 percent grade point average. She is the first Sailor ever to completely ace the course! A native of Emporia, Kan., Kern is the daughter of David Small of Grove, Okla., and Shirley Linsea of Emporia, Kan. She entered the Navy on Aug. 24, 2008 and has follow-on orders to the Strike Group Oceanography Team (SGOT) San Diego, Calif. Capt. Bob Kiser, commander of the Naval Oceanography Operations Command, presents AGAN Kern with a Flag Letter of Commendation for her accomplishment.



**PDD PAC SWIFT CLASS GRADUATION:** Naval Meteorology and Oceanography Professional Development Detachment Pacific's (PDD PAC) 4th Swift Class Graduation are (front row, l-r) Lt. Cmdr. Douglas Wahl, AG3(EXW) Brian Nowitzke, AG3(AW/SW) Quin Challinor, LCPL Justin Ashworth, AGC(AW/SW) David Hutchinson, AG1(AW/SW) Daniel Thies, (back row) AG3(AW) Anthony Ingolia, AG2(AW) HeathCollins, AG3(AW/SW) Zach Bell.

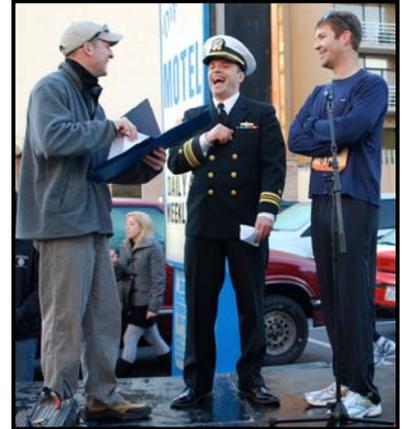
### OCEANOGRAPHER OF THE NAVY EMPLOYEE FINISHES EXECUTIVE POTENTIAL PROGRAM:

Kurt A. Nelson, a former NAVOCEANO employee on the staff of the Oceanographer of the Navy, recently graduated from the Executive Potential Program of the Government Service Graduate School. Each year U.S. Fleet Forces Command selects a group of civilian employees to participate in the Executive Potential Program. Kurt currently serves as the Joint and NATO Meteorology and Oceanography Integration Officer on the Oceanographer's staff.



## Re-enlistment

**MARATHON RE-ENLISTMENT:** AG1 Charlie Neese took advantage of the Shamrock Marathon in the Hampton Roads area to re-enlist. In the photo, Lt. Cmdr. Glen Cesari (center), Officer-in-Charge at Naval Oceanography Special Warfare Detachment Norfolk (NOSWD Norfolk), shares a laugh with AGCS Justin Fisk (left), NOSWD Norfolk command senior chief, and Neese (right) before giving the oath to Neese. They are standing on the announcement podium at the start of the marathon. Cesari re-enlisted Neese in front of the marathoners at the beginning of the event. Neese works in the detachment.



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## COMET NEWS

**COMET PUBLISHES CHAPTER 5:** The COMET Program has published "Chapter 5, Tropical Variability," of the online textbook, "Introduction to Tropical Meteorology." The textbook is being developed over time, and its chapters are being published incrementally. This is the fourth chapter to be published. Follow this link to open the textbook: <http://www.meted.ucar.edu/tropical/textbook/>.

The chapter covers sources of intraseasonal, interannual, and decadal variability in the tropics. Learners will become familiar with the following:

- Madden Julian Oscillation (MJO) formation, observation, impacts, and prediction
- Characteristics of equatorial waves (Kelvin, Rossby, Mixed Rossby-gravity) including structure, movement, and impacts on tropical weather and tropical cyclogenesis
- New methods of forecasting the MJO and equatorial waves
- The El Niño Southern Oscillation (ENSO) including its phases, evolution, observations, and global impacts
- Theories of ENSO (from Bjerknes SST-wind feedback theory, to recent theories such as the delayed oscillator and chaotic theories)
- Forecasting ENSO including different model types, strengths, and weaknesses
- Quasi Biennial Oscillation (QBO) discovery, cycle, and impacts
- Pacific Decadal Oscillation (PDO) discovery, monitoring, and impacts
- Atlantic Multidecadal Oscillation (AMO) behavior and impacts on the tropics and extratropics
- North Atlantic Oscillation (NAO) and its potential impacts on tropical variability

The chapter uses a variety of strategies, from graphics and animations, to critical thought questions and interactions, review questions, and a quiz. Each section has links to additional sites and resources that augment the material presented in the chapter. The material has been reviewed for scientific accuracy and academic level appropriateness by a scientist and a professor with expertise in tropical meteorology and remote sensing. The chapter includes graphics and a companion print version in PDF format. The intended audience for the online tropical meteorology textbook comprises undergraduate and early graduate meteorology students, current operational or prospective tropical forecasters, and students interested in tropical meteorology.

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## Detailer's Corner

*From Capt. Jim Pettigrew, PERS 449*

As the whole Navy goes through end of year bogey drills, your detailers are going through the same process. PCS funding continues to be looked at closely. Please be flexible with us as we work through the coming adventures. We are looking at a number of scenarios to save PCS dollars. Once we know what (if any) impacts we have, we will communicate them to our leadership and out to those of you that may be impacted.

During my recent command visits, I've been especially struck by your professionalism, and your desire to ultimately do what the Navy needs you to do. I appreciate your candor, but I especially appreciate your desire to serve where and when called. Thanks.

Here are some high-priority fills and remember, I can usually go one-up or one-down in rank. If you're interested, give CDR(sel) Towle (yes, she is now official) or me a call.

O5	NGA	VA
O4	DIA	VA
O3	NAVICE	MD
O4	CNMOC	MS

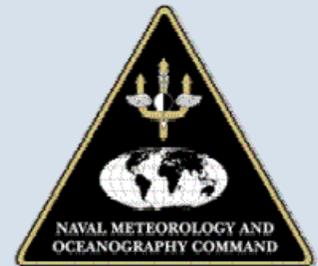
That's it for now from Millington... Keep Charging!

**Rear Admiral David Titley**

Commander,

Naval Meteorology and Oceanography Command

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