



FEATURE

Last flight from the South Pole

On February 15, scientists and staff from the National Science Foundation's Amundsen Scott Station boarded an Air National Guard C-130 for the last scheduled flight from the South Pole for nine months. GMD's Dave Riebel, one of the scientists wintering over at the South Pole, snapped this photo.

SPOTLIGHT

Unprecedented Arctic weather has scientists on edge

It's a time of tumult in the Arctic. Sea ice observed in January in the Arctic was the lowest in the 38 years of satellite record and 100,000 square miles less than 2016. That's equivalent to the size of Colorado. Temperatures in the Arctic for the calendar year 2016 were by far the highest since 1900. Each of the past four years was among the top 10 warmest on record. "We knew the Arctic would be the place we'd see the effects of climate change first, but what's happened over the last couple of years has rattled the science community to its core," said Mark Serreze of the National Snow and Ice Data Center.

"I didn't tell you . . ." Reflections on race through poetry and research

NOAA's OAR EEO/Diversity Office, the Boulder Labs Diversity Council, and Blacks In Government sponsored a Black History Month event. Boulder-based Poet and Social Justice Activist Norma Johnson opened with her moving poem, "I didn't tell you . . ." Hillary Potter, Associate Professor of Ethnic Studies at CU Boulder then shared her research on the intersection of race, gender, and class as they relate to crime and violence.

Observational and modeling tools developed at PSD aid forecasters during epic California winter

This winter, a number of storms battered northern California. Most are the result of atmospheric rivers, narrow bands of enhanced water vapor transported into the state by storms that form over the Pacific. Working with the California Department of Water Resources, NOAA installed, operates, and maintains a state-of-the-art observing network to help California monitor these storms.

IN OUR COMMUNITY

- PSD and partners' shipboard system will study water and carbon dioxide fluxes on the Great Lakes.
- Check out the new blog by Jessie Creamean, a CIRES scientist in NOAA's PSD: INPOP, or "Ice Nucleating Particles at Oliktok Point" (one of the most northern parts in the United States).
- The NOAA Boulder BOCC participated in the Denver Museum of Nature & Science/CBS4's third annual Girls and Science event on Saturday, March 4.
- GSD's [HRRR Smoke](#) and [HRRR-E](#) were among six research projects pitched by scientists from NOAA ESRL and the Boulder NWS Forecast Office to a panel of "Sharks" in the first-ever OAR/NWS "Shark Tank" at the DSRC on February 22.
- GMD's Diane Stanitski has co-authored a new GLOBE book, *What in the World is Happening to Our Climate?*, about a group of school children who travel to Greenland and the Maldives to learn how scientists study climate change and its impacts. The book is available for free download.
- CSD and CIRES scientists and partners just completed the second deployment of the ATom mission--this time a 28-day world tour in winter. Check out CIRES' Christina Williamson's blog, documenting this leg of the field campaign.
- March 13-18 is Flood Safety and Wildfire Awareness Week in Colorado. Check out the NWS safety tips in the full web version.

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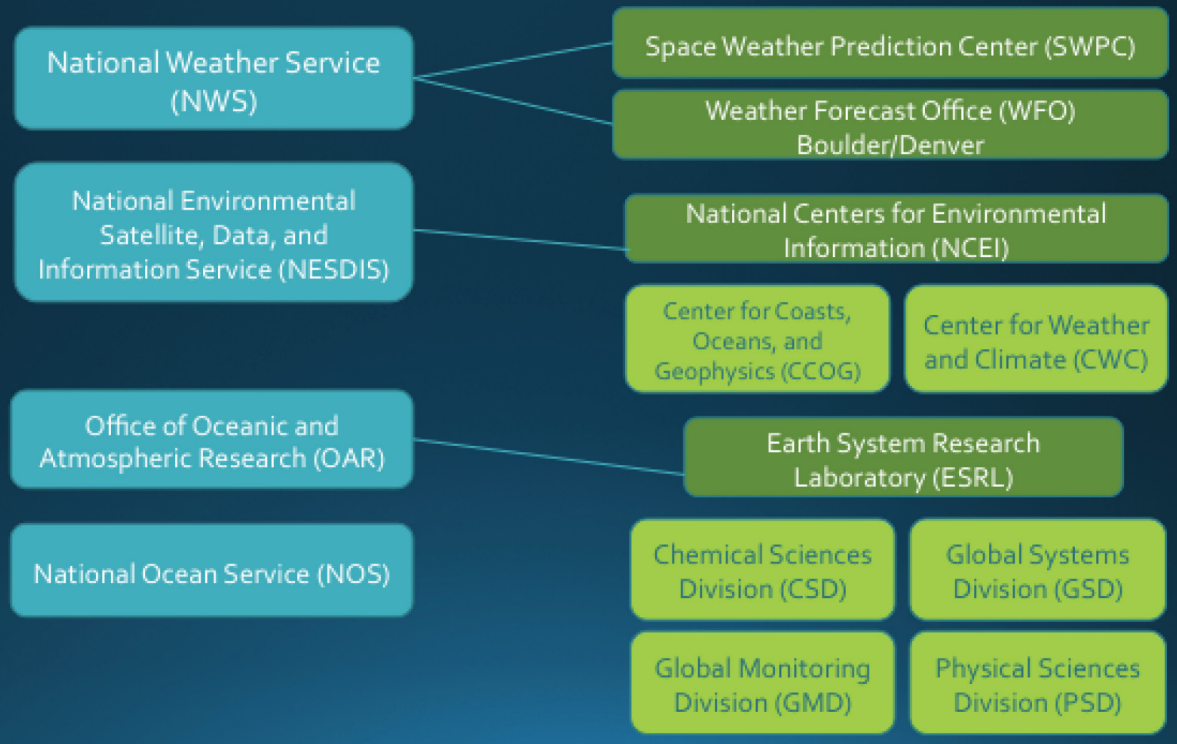
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NOAA Boulder



BLDC: Boulder Labs Diversity Council

BOCC: Boulder Outreach and Coordinating Council

CCOG: Center for Coasts, Oceans, and Geophysics

CSD: Chemical Sciences Division

CWC: Center for Weather and Climate

EEO: Equal Employment Opportunity

ESRL: Earth System Research Laboratory

GMD: Global Monitoring Division

GSD: Global Systems Division

NCEI: National Centers for Environmental Information (formerly NGDC)

NESDIS: National Environmental Satellite, Data, and Information Service

NIDIS: National Integrated Drought Information System

NOAA: National Oceanic and Atmospheric Administration

NOS: National Ocean Service

NWS: National Weather Service

OAR: Office of Oceanic and Atmospheric Research or NOAA Research

PSD: Physical Sciences Division

SWPC: Space Weather Prediction Center

WFO: Weather Forecast Office