CICS-MD and SCSB at the AGU Fall Meeting
The American Geophysical Union (AGU) held their Fall Meeting last week in New Orleans. Many CICS-MD Scientists participated as convenors, speakers, and poster presenters:

- Scott Rudlosky (SCSB) convened a session on lightning and also gave a presentation on preliminary results from the GOES-16 Lightning Mapper
- Korak Saha (NESDIS/NCEI/CCOG/OSDD/OSS) gave a presentation on error analysis for the sea surface temperature data from the Pathfinder satellite;
- James Reagan (NESDIS/NCEI/CCOG/OSDD/SsOS) presented a poster on near-surface salinity contrasts and intra-basin water vapor transfer in the North Atlantic;
- Alexey Mishonov (NESDIS/NCEI/CCOG/OSDD/SsOS) presented a poster with James Reagan on Northwest Atlantic analyzing decadal variability in sea surface temperature and salinity. Mishonov also presented a poster on preserving and digitizing data from the High-Energy Benthic Boundary-Layer Experiment (HEBBLE) from the late 1970’s to the early 1980’s.
- Hyun Cheol Kim (OAR/ARL) gave a talk about changing atmospheric conditions (“ventilation”) and their impact on fine particulates and South Korean air quality. The talk was coauthored by Tianfeng Chai and Fong Ngan.
- Grace Molino, one of the CICS summer interns, presented a poster entitled “Analysis of Stakeholder-Defined Needs in Northeast U.S. Coastal Communities to Determine Gaps in Research Informing Coastal Resilience Planning.” Melissa Kenney and Ariana Sutton-Grier were coauthors;
- Amanda Speciale, also a summer intern, had a poster discussing how to make Climate Prediction Center forecasts more understandable to the public. Her coauthors included Melissa Kenney, Michael Gerst, and Allison Baer.
- Sinead Farrell was the co-convenor and session chair for "Altimetry of the Polar Regions I, II and III." Her presentation was an overview of the last ten years of high-resolution Arctic sea ices measurements from airborne altimetry. She also presented an invited poster on improvements in observations and data access for sea ice forecasting.
Importance: Presence at the AGU Fall Meeting supports NOAA’s mission to share its knowledge and information with others. POC: D. Baker

- **Using Satellites to Diagnose the Transitions of Tropical Storms:**
  CICS-MD Scientist Michael Folmer is an author of a new article that appeared online this month in the journal *Results in Physics*. It looks at the potential for using the Joint Polar Satellite System (JPSS) Cross-track Infrared Sounder/Advanced Technology Microwave Sounder (CrIS/ATMS) retrieved profiles to diagnose tropical to extratropical transition. The JPSS Proving Ground ran tests using Hurricane Sandy (2012), Hurricane Arthur (2014), and Typhoon Atsani 2015.


Importance: Satellite liaisons like Michael Folmer are essential in introducing new satellite tools to forecasters. POC: M. Folmer
CICS-MD Winter Circular was Released Today:
The biannual circular produced by CICS-MD was released today. This issue features CICS-MD Scientists who work on ocean science:

- **James Reagan** and **Alexey Mishonov** (NCEI/CCOG/OSDD/SsOS) on Building NOAA/NCEI high-resolution regional ocean climatologies;

- **Emily Smail** (STAR/SOCD) on ocean and coastal observations for societal benefit; and

- **Brian Beck** (NCEI/CCOG/OSDD/MES) on increasing access to coral reef data for improved resource management.

The Director’s Message discusses the NOAA David Johnson Award won by Scott Rudlosky and plans for a circular focusing on JPSS research. It also shows a photo from last month’s CICS Science Meeting.

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*Importance:* Sharing progress on CICS Tasks is part of the dissemination role of the cooperative institutes.  
*POC:* D. Baker