CICS Contributions in the new AMS “State of the Climate in 2017”

The American Meteorological Society just released their annual State of the Climate report as a supplement to the August issue of the Bulletin of AMS. Seven CICS-MD scientists wrote sections of the report:

- **Jim Reagan** (NCEI) did his annual summary of the subsurface seawater salinity as well as the introductory section on Salinity in the Global Oceans chapter.
- **Robert Adler** (NCEI) co-authored the precipitation subsection for the Hydrological Cycle section in the Global Climate Chapter.
- **Sinead Farrell** (STAR/SOCD/LSA) worked on the Sea Ice Cover section in the chapter on the Arctic.
- **Jeannette Wild** (NWS/NCEP/CPC) co-authored the subsection on Stratospheric Ozone, part of the Atmospheric Composition section in the Global Climate chapter.
- **Jacqueline De La Cour, Erick Geiger, and Gang Liu** (STAR/SOCD/CRW) contributed a special sidebar on the unprecedented three years of global coral bleaching from 2014 to 2017. This part was also co-written with CICS Consortium Scientists **William Skirving, Benjamin Marsh, and Scott Heron** (ReefSense).

The figure below, from the coral bleaching discussion, shows the maximum heat stress for 2015 (top) and 2016. Severe coral bleaching occurred in all areas circled in white.
The data for this map came from CRW’s Daily Global 5-km Coral Bleaching Heat Stress Monitoring Product Suite v 3. In addition, Jessica Griffin of CICS-NC was one of the eight members of the editorial and production team for the report and provided graphics support. Go to https://www.ametsoc.org/index.cfm/ams/publications/bulletin-of-the-american-meteorological-society-bams/state-of-the-climate/ for a free electronic copy of the report.


*Importance:* The expertise of CICS scientists in specialized areas like climate assessments fill voids in NESDIS workforce. *POC:* J. Reagan