

Weekly Report

CISESS
Cooperative Research Program Division (CoRP)
STAR/NESDIS
National Oceanic and Atmospheric Administration (NOAA)

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Date of Submission: 5/7/2021

Products and Applications

Coastal Ocean Data Analysis Product in North America: CISESS Scientist Liqing Jiang led the development of a new data set called the Coastal Ocean Data Analysis Product in North America (CODAP-NA). It is an internally consistent data product for discrete inorganic carbon, oxygen, and nutrients on the U.S. North American ocean margins. CODAP-NA is one of the first major coastal ocean acidification (OA) data products. Its coverage includes all ocean margins of the conterminous United States, as well as part of Alaska. It will help the U.S. prepare OA mitigation and adaptation strategies. This collaborative effort is also a showcase example of NCEI/CISESS taking a leading role in a major synthesis effort involving NOAA labs (AOML and PMEL) and academic institutions (University of Maine, University of New Hampshire, University of Delaware, University of Miami, University of Alaska at Fairbanks, and Georgetown University). *Earth System Science Data* accepted an article on CODAP-NA on May 2. CISESS Scientist Alex Kozyr is a co-author. (POC: L. Jiang, liqing.jiang@noaa.gov, Funding: Ocean Acidification Program)

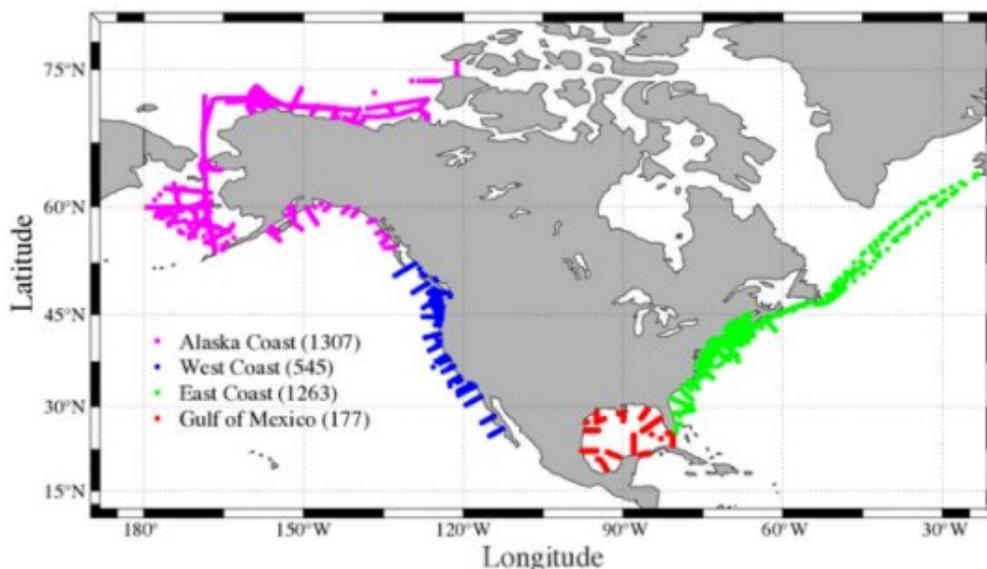


Figure. A map showing all the sampling profiles of the CODAP-NA data product. Numbers within the parentheses indicate the total number of profiles in each region.

Chesapeake Bay Water Temperature 2020 Anomalies

Multisatellite Sea Surface Temperature Composite

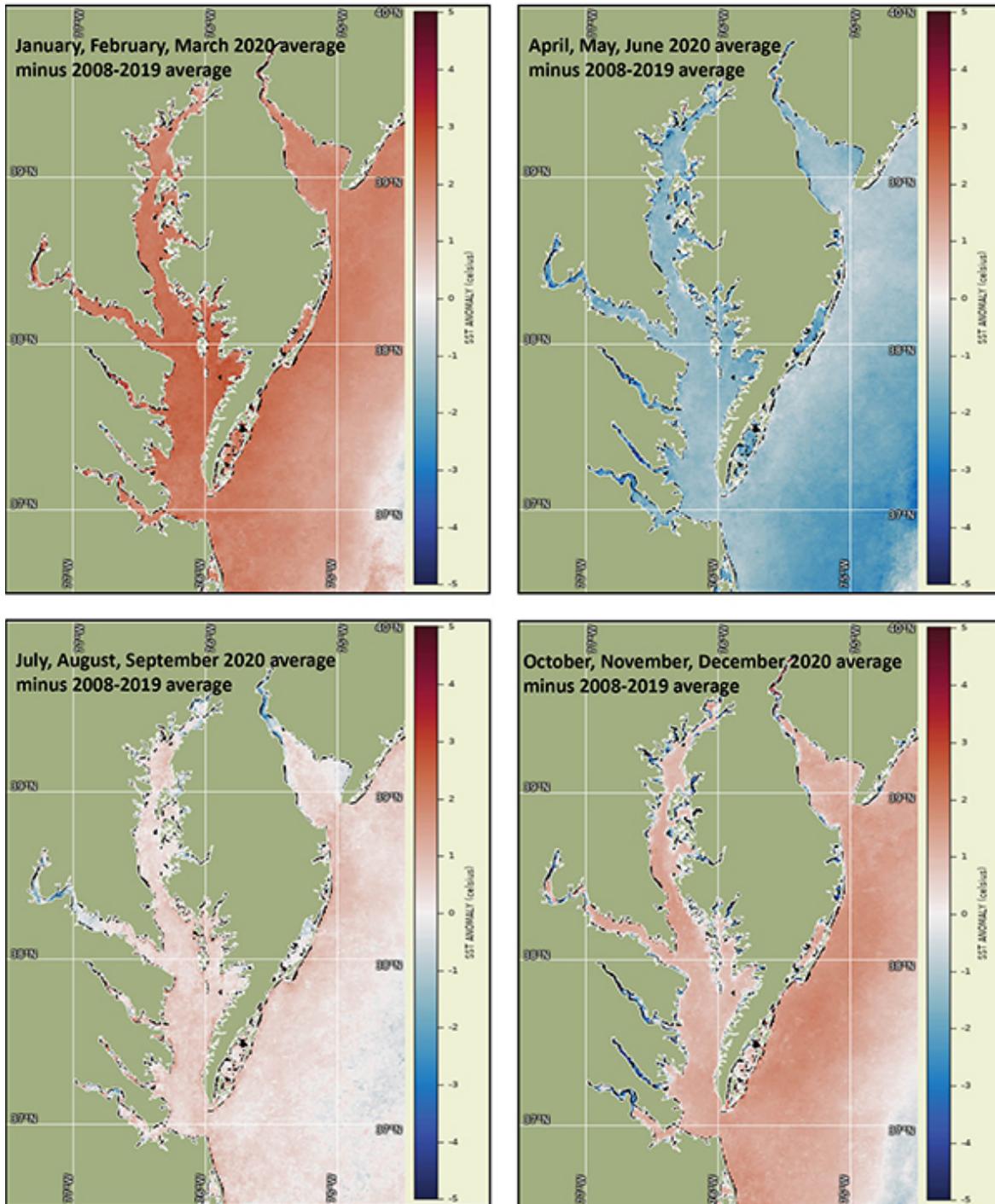


Figure: Satellite SST seasonal anomalies show warmer than average water temperatures from January through March 2020, cooler than average from April through June, near average July through September, and slightly warmer than average October through December.