

	<p>Gregory Foltz</p>	<p>USA</p>
---	-----------------------------	-------------------

Gregory Foltz is an oceanographer in the Physical Oceanography Division of the National Oceanic and Atmospheric Administration's (NOAA's) Atlantic Oceanographic and Meteorological Laboratory (AOML) in Miami, USA. Prior to joining AOML, Dr. Foltz held the position of research scientist with the Joint Institute for the Study of the Atmosphere and Ocean (JISAO) at the University of Washington in Seattle during 2006-2010. He received a National Research Council Postdoctoral Associateship award to perform research at NOAA's Pacific Marine Environment Laboratory (PMEL) in Seattle from 2003 to 2006. Dr. Foltz received his Ph.D. from the University of Maryland in 2003.

Dr. Foltz's research focuses on understanding the role of the tropical ocean in climate and extreme weather. Much of his work has been dedicated to identifying the processes responsible for variations in the ocean's surface temperature and salinity, on time-scales ranging from monthly to multidecadal. Other related research areas include tropical cyclone-ocean interactions, with an emphasis on the role of the upper ocean in tropical cyclone intensification, and the impact of African dust on coupled ocean-atmosphere variability in the tropical Atlantic. Dr. Foltz is a Principle Investigator of the Prediction and Research Moored Array in the Tropical Atlantic (PIRATA) Northeast Extension, a project that maintains four surface moorings in the central and eastern tropical North Atlantic in order to improve understanding and prediction of ocean-atmosphere variability in that region. He is also involved in observational projects to (1) determine the African source regions of dust that is deposited into the tropical Atlantic Ocean, based on samples collected from PIRATA moorings and in collaboration with scientists in Germany, Brazil, and the United States, (2) develop an automated solar radiometer rinser for moorings that will prevent biased measurements caused by dust buildup, and (3) quantify vertical current shear in the upper equatorial Atlantic Ocean from a moored array of current meters.

Dr. Foltz is an editor of the American Meteorological Society's *Journal of Physical Oceanography* and is on the editorial board of *Climate*, a peer-reviewed scientific research journal. He is a member of the U.S. Group on Earth Observations (USGEO) Second Assessment Team, which is tasked with developing a strategic plan for Earth observations by considering the societal benefits of various observing systems. Dr. Foltz has spent 95 days at sea during research cruises, 28 of those as Chief Scientist and 35 as Co-Chief Scientist.