Name: Julia Manganello
julia@cola.iges.org
Center for Ocean-Land-Atmosphere Studies (COLA)
113 Research Hall, Mail Stop 2B3
George Mason University
4400 University Drive
Fairfax, VA 22030
Country: USA
Title: Seasonal forecasts of tropical cyclone activity in an ECMWF coupled operational prediction system
Additional authors: Kevin I. Hodges
Additional Affiliations: NERC Centre for Earth Observation, University of Reading, Reading, UK
Abstract:
This study evaluates the skill of seasonal forecasts of tropical cyclone (TC) activity, and overall TC climatology, in a state-of-the-art coupled operational long-range prediction system. The system is a high-resolution version of the ECMWF Ensemble Prediction System (EPS) with a resolution of 32-km and 16-km in the atmosphere and 1 degree in the ocean. A suite of retrospective forecasts, consisting of at least 15 ensemble members and spanning up to 30 years of cases (March through November season), is performed as part of an international collaboration called Project Minerva. We will address the role of coupled model biases and the influence of the atmospheric resolution on the quality of simulated seasonal TC activity.
End