

NEWS Climatology Project: SeaFlux evaporation variability

Carol Clayson[†];

[†] Woods Hole Oceanographic Institution, USA

Leading author: cclayson@whoi.edu

In this talk I will describe a new air-sea flux satellite-derived latent and sensible heat flux data set covering the global oceans from 1987 through 2005. This dataset uses a new technique for determination of the near-surface specific humidity and air temperature, which shows demonstrably improved statistics compared to previous methodologies. The technique along with in situ validations will be shown during this talk, as well as comparisons with previous satellite-derived and blended data sets using the SeaFlux intercomparison data set. The focus will be on extreme events and their representation within this data set, including tropical mid-latitude and tropical cyclones.