P74 Community support for the Hurricane Weather Research and Forecasting Model.

Biswas, Mrinal K., L. Carson, *National Center for Atmospheric Research (NCAR)/Developmental Testbed Center (DTC)*, C. Holt, *DTC, National Oceanic and Atmospheric Administration (NOAA), and University of Colorado/Cooperative Institute for Research in Environmental Sciences (CU/CIRES)*, K. Newman, *NCAR/DTC*, L. Bernardet, *DTC, NOAA, and CU/CIRES*, J, Frimmel, *DTC and NOAA*, and J. Halley-Gotway, *NCAR/DTC*

The Hurricane Weather Research and Forecasting model (HWRF) is an operational system that provides numerical guidance in support of tropical cyclone forecasting at the National Hurricane Center and Joint Typhoon Warning Center. HWRF is a complex multicomponent system, consisting of the Weather Research and Forecasting (WRF) atmospheric model coupled to the Princeton Ocean Model for Tropical Cyclones (POM-TC), a sophisticated initialization package including a data assimilation system and a set of postprocessing and vortex tracking tools.

The HWRF model has a large worldwide community consisting of 1200 registered users in over 100 countries. This poster will describe how the community can use the resources provided by the Developmental Testbed Center (DTC) to acquire and run HWRF. The yearly HWRF public release by the DTC provides users with the same code that is used in operations. Documentation is provided on the scientific aspects of the model along with instructions on how to run the end-to-end system in operational and research configurations. Yearly tutorials are conducted in collaboration with the National Weather Service, providing hands-on experience along with in-depth information about the different components of the model, forecast performance, and upcoming advances.