

HAFS Moving Nest Development at AOML/HRD

□ Real-time global-nest HAFS

- Configuring for HAFS real-time demo in 2019 hurricane season (EMC, AOML, GFDL)
- Testing physics for the global-nest configuration (PBL, surface) (EMC, AOML, GFDL)
- Unifying physics/dynamics configurations of the global-nest and the stand-alone regional HAFS (EMC, AOML)
- Testing TC DA/initialization strategies and workflow (EMC, AOML)
- Preparing HPC application for HAFS real-time demo (EMC, AOML)

□ Moving nest development

- Implementation of two static nests in FV3GFS completed
- Bitwise identical with baseline FV3GFS code verified
- Successful 168 hour forecast run
- Second nest results validated

