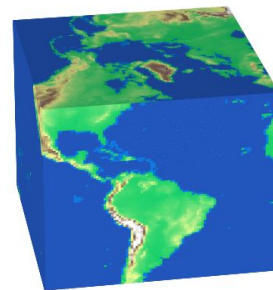


1A4:Accelerate Development of Moving Nest for HAFS

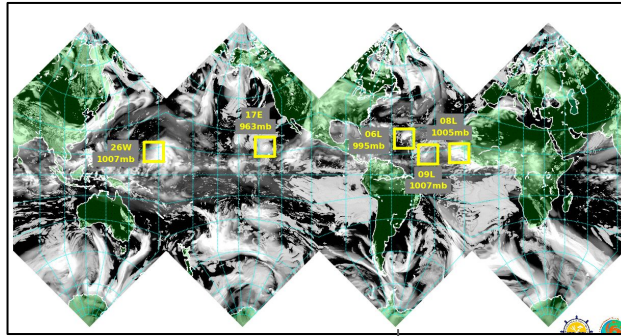
Project Managers: Gopal (AOML/HFIP) & Avichal Mehra (EMC)



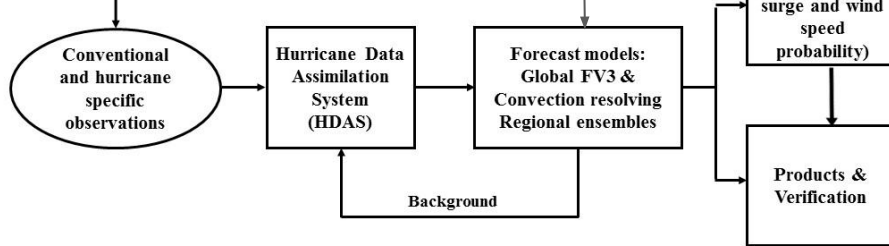
HFIP | HURRICANE FORECAST
IMPROVEMENT PROGRAM

Our Vision: HAFS developments

Hurricane Analysis and Forecast System (HAFS):
A collaborative Project in UFS Framework

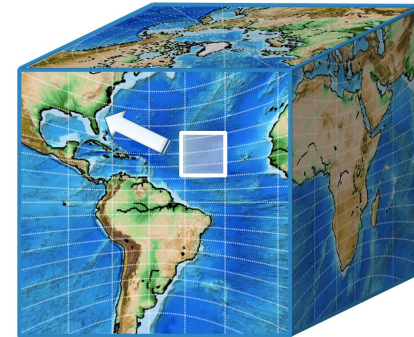


Moving nest is central to HAFS developments



The Hurricane Analysis and Forecast System (HAFS)

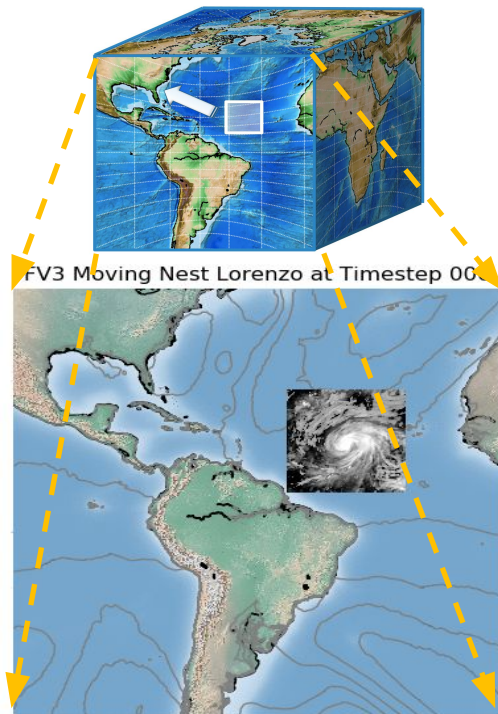
<https://hfip.org/>



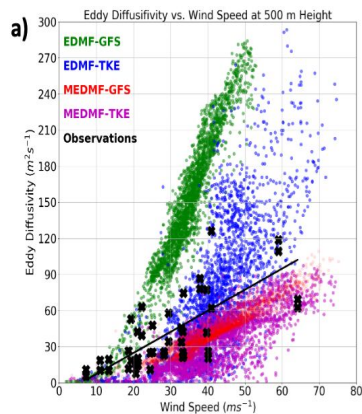
Proposed 2023
Operational
Implementation: Moving
nest in each face of the
cube/ Regional
configuration of HAFS

Closely related: 3A1 & 3A2

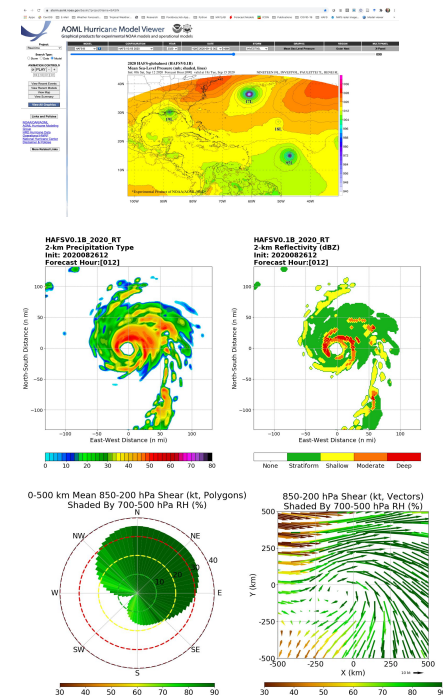
Where are we?



First ever functional moving nest for FV3
(Ramstrom et al., 2021; AMS)



Physics improvements for the high-resolution nest using P3 observations
(Gopal et al., 2021; AGU-ESS)



HFIP Real-Time Experiments
(HREx) and products
(www.hfip.org)