



Wrap Up and Next Steps

2015 HFIP Annual Meeting

Nov 17-19, 2015



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- HFIP 5yr goal positively impacting on the Official Fcst – 20% improvement
 - FFO 2016 – proposals should address priorities and challenges identified this week



Priorities and Challenges



- Physics
 - Effective and physically-based stochastic physics
 - Optimal horizontal subgrid mixing that is scale-aware and consistent with the vertical subgrid mixing
 - PBL development
 - Look into surface physics improvements consistent with PBL structure
- Ensembles
 - Workshop (more direct discussions) with NHC on visual aid for ensemble prediction
 - Provide common product to NHC for intensity change distributions of all ensembles – statistical and dynamical
 - Define a systematic/coordinated ensemble methodology instead of “poor man’s testing”



Priorities and Challenges



- DA
 - HWRF-EnKF Hybrid DA improvements and implement into ops
 - GOES satellite data development
 - Relocation of ensemble members
 - Configurable cycling intervals
- PPAV
 - Continue development of genesis products
 - ATCF into AWIPS effort
 - HFIP products page – due for a survey (what do specialists want to see?)
 - COAMPS-TC oper model submitted to NHC for verification



Priorities and Challenges



- OMITT
 - Implement HyCOM into ops
 - Multi-model coupling development
- Satellite DA
 - GSI system development to better assimilate data set for HWRF
 - Comprehensive impact study results on Sat DA
 - Closer coordination with HFIP on development efforts