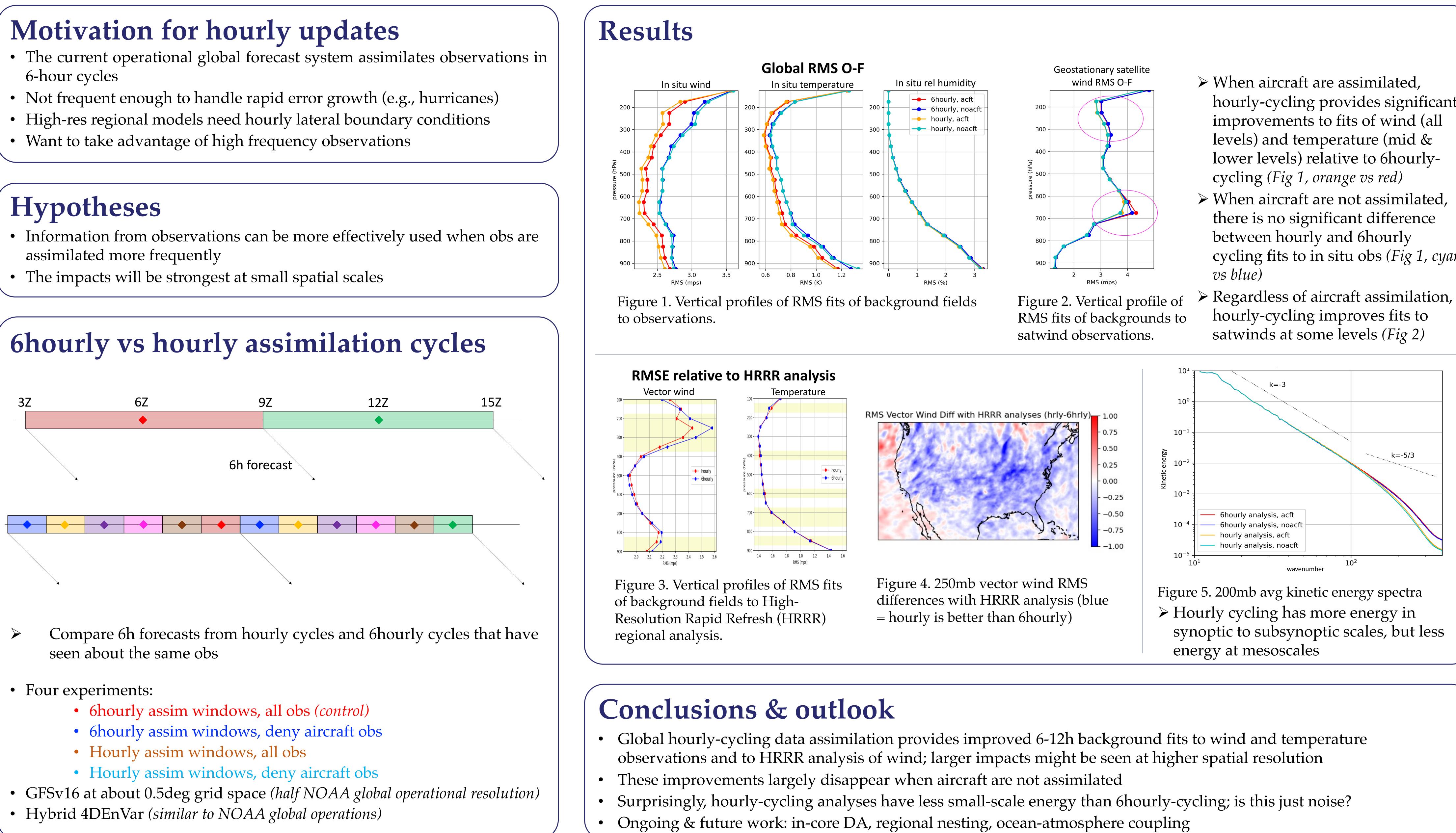
The Impact of an Hourly Assimilation Cadence in the NOAA Global Data Assimilation System

- 6-hour cycles

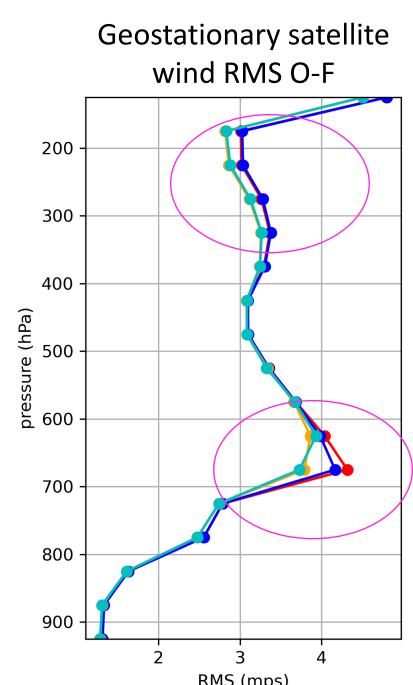
- assimilated more frequently





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References 2. Payne, T. J. "Rapid update cycling with delayed observations." *Tellus A: Dynamic Meteorology and Oceanography* 69.1 (2017): 1409061. 3. Slivinski & Whitaker (2024) "Investigating improvements in a rapidly-cycled global data assimilation system", in prep.



- hourly-cycling provides significant
- cycling fits to in situ obs (*Fig 1, cyan*

