

Current Verification at the OHRFC

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Verification Projects

- Automated R/LaTeX-based monthly verification reports
- Continuation & expansion of Verification Team Case study to all basins
- Look at HPC QPF for 6-, 12-, 24-, 48-, & 72-hr as non-operational hydrologic forecast model runs
- Accumulate data for MMEFS & AHPS forecasts
- Implement Google MotionChart to visualize verification statistics

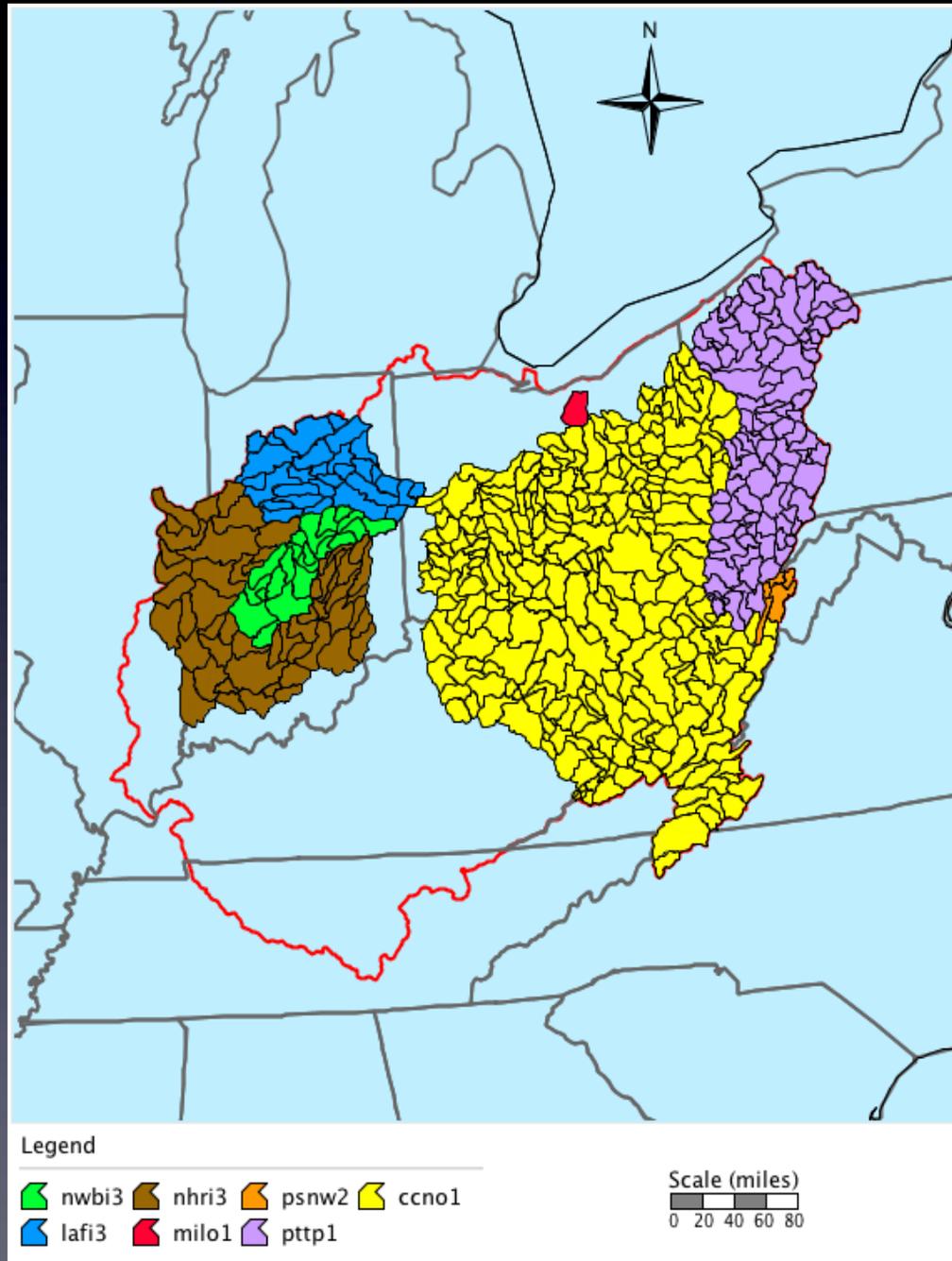
Methodology

- 6 parallel, non-operational batch OFS model runs; once daily on Dell-5
 - No MODs, no QPF
 - No MODs, with HPC QPF
 - No MODs, with HAS QPF
 - With MODs, no QPF
 - With MODS, with HPC QPF
 - With MODS, with HAS QPF
 - Operational Forecast runs with MODs & HAS QPF (directly archived)
- Run PRDUTIL TSDATA command to dump time series data
- Use custom Perl scripts to reformat TS data for Archive Database ingest
- Use IVP for analysis & generate graphics

Preliminary comments...

- Limited to 7 basins — range in location, basin size, & basin response characteristics
- Analysis restricted to ~1-year period of concurrent archived OFS forecasts using HPC QPF
- 2 basins (MILO1 & NWBI3) are non-daily forecast points; implies sample size issues
- Some thought exists that OHRFC HAS QPF is not up-to-snuff *wrt* HPC QPF
- Operational Forecast Sample Size \neq Batch OFS Model Runs with-MODs & with-HAS QPF
- Pittsburgh basins (PTTP1 & PSNW2) run twice daily — more verification pairs

Basin Locations



End