

Climate Team Progress: WRF Model Evaluation

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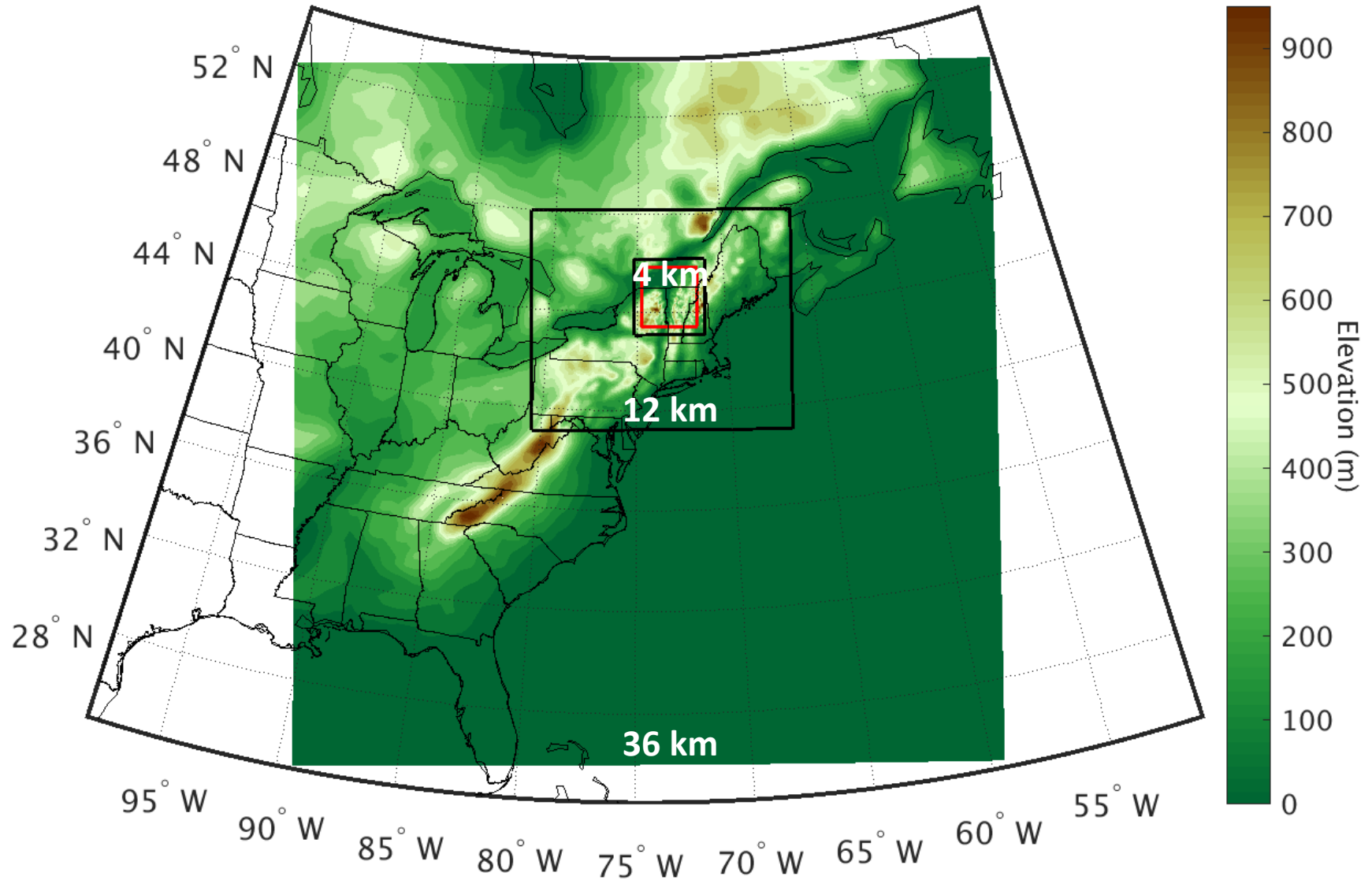


The University of Vermont

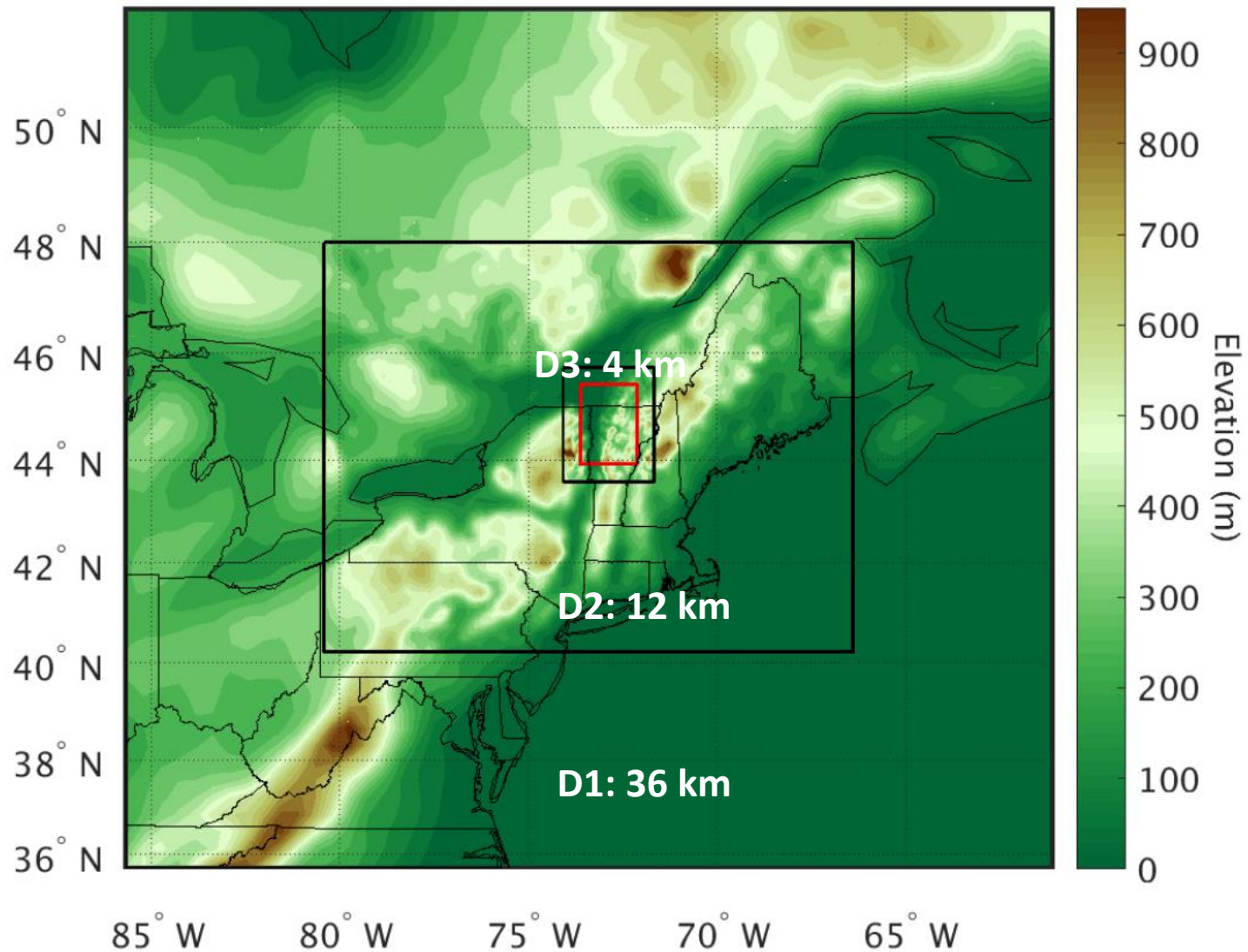


Acknowledgement: Cindy Bruyere (NCAR), Stephanie Spera (Dartmouth),
Research computing at Dartmouth

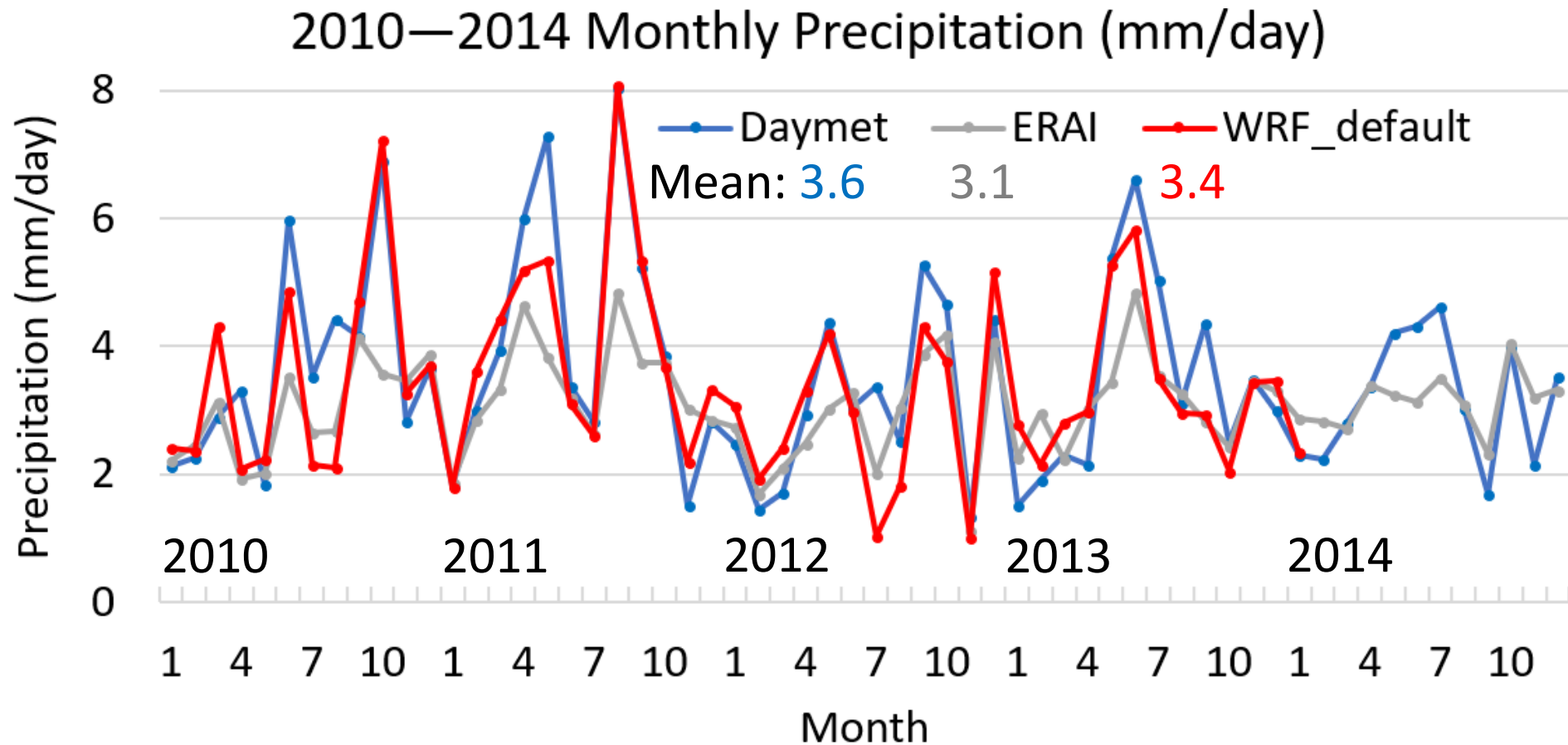
Deploy WRF: Nested Domains



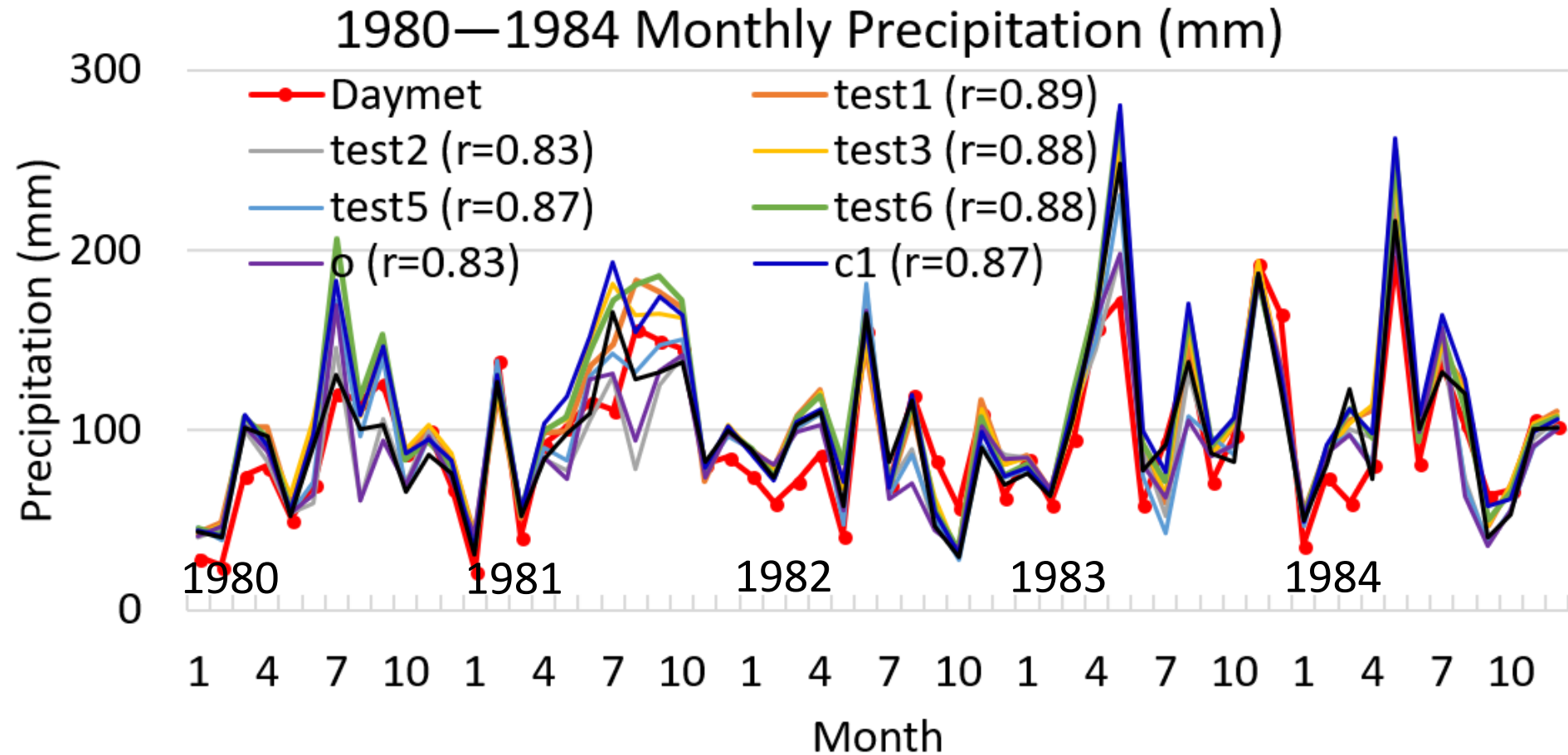
Earlier Domains (smaller D1 & 3)



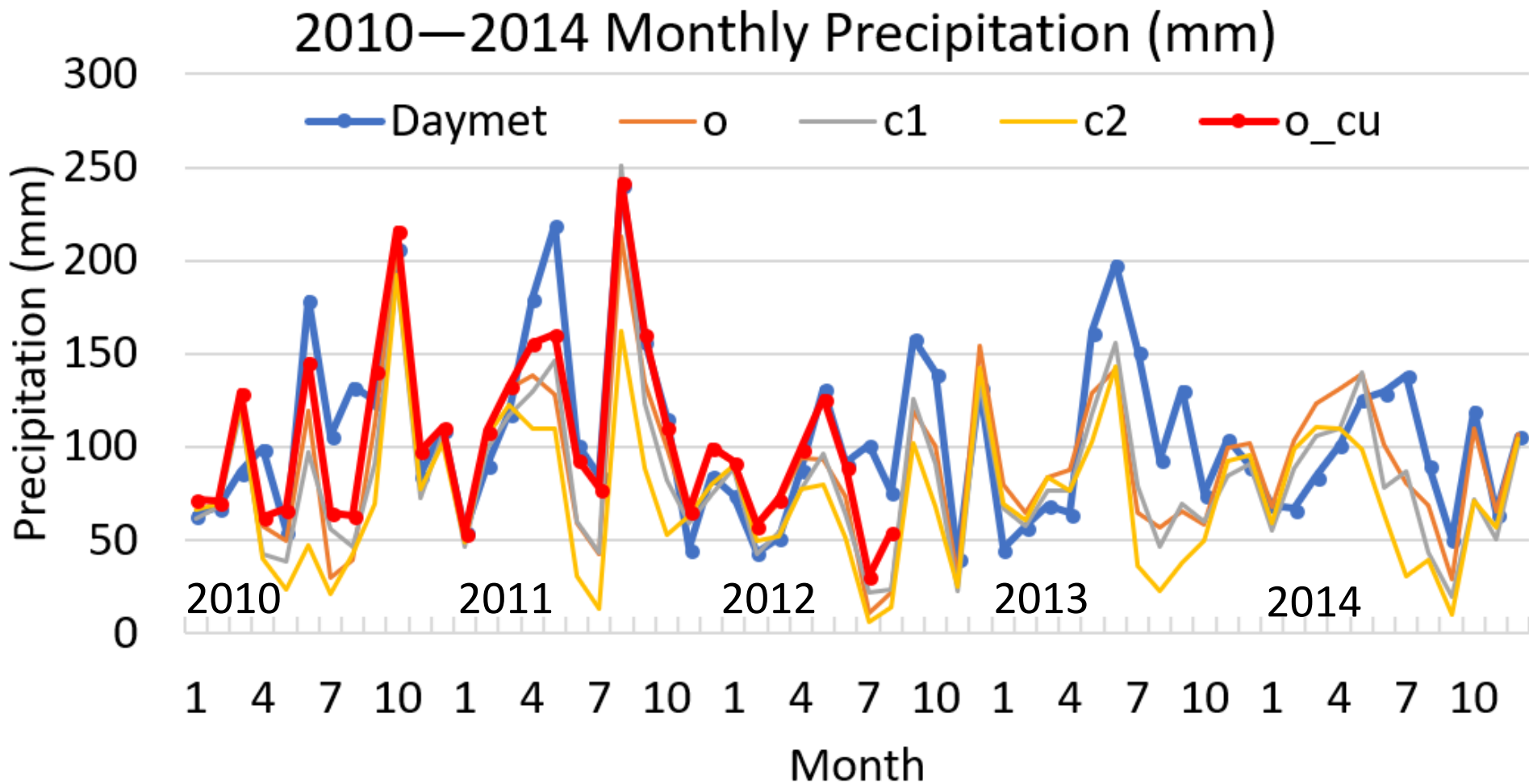
Did reanalysis lead to WRF precipitation bias? **Yes (underestimation)**



WRF reasonably captures the temporal variability of observed precipitation.



Parameterizing cumulus precipitation improves simulations.



Next Steps

- Continue to evaluate WRF outputs
- Bias correct WRF outputs

