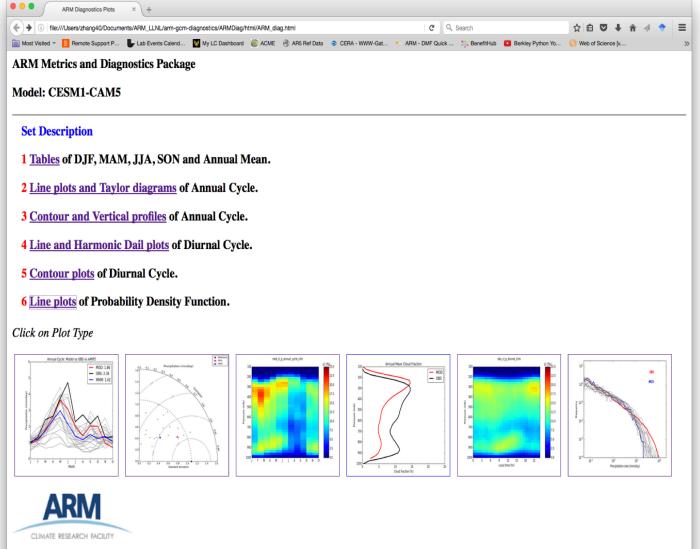
# **Develop ARM Metrics and Diagnostics to Support Climate Model Evaluation and Development**



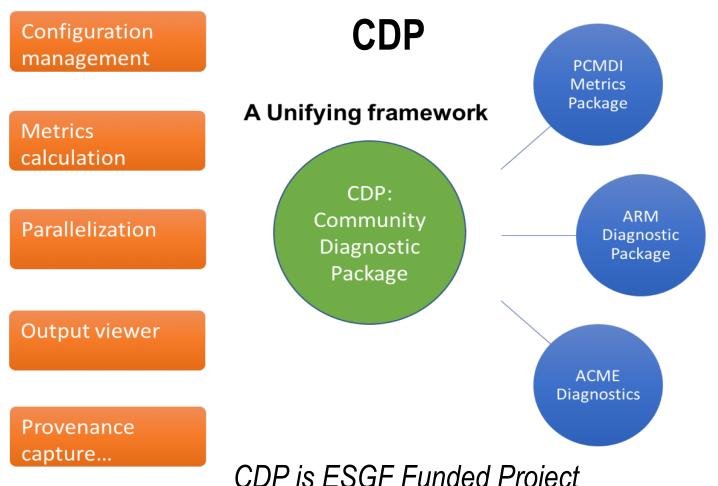
and development

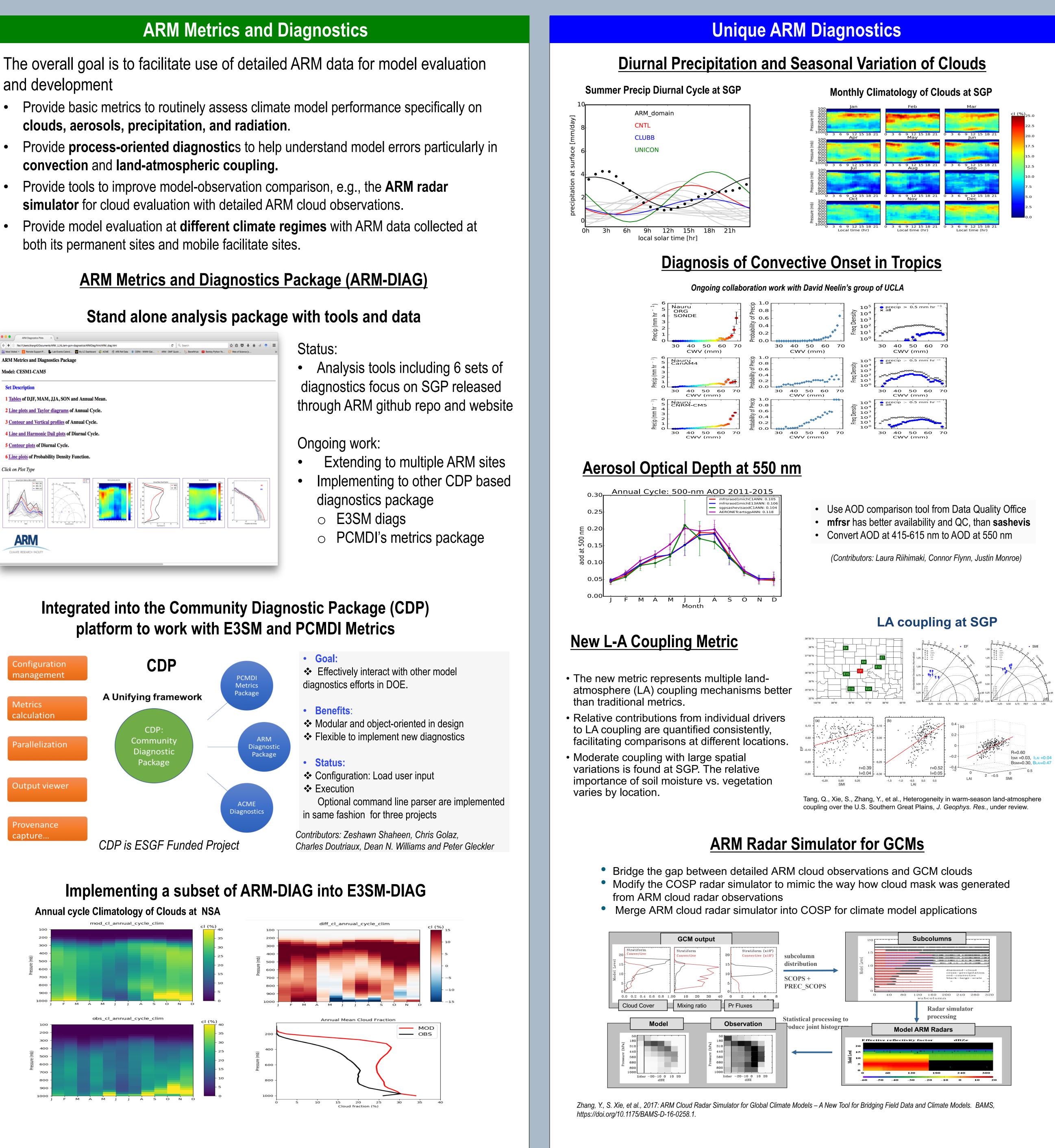
- clouds, aerosols, precipitation, and radiation.
- convection and land-atmospheric coupling.
- Provide tools to improve model-observation comparison, e.g., the **ARM radar simulator** for cloud evaluation with detailed ARM cloud observations.
- both its permanent sites and mobile facilitate sites.



- diagnostics package

## platform to work with E3SM and PCMDI Metrics

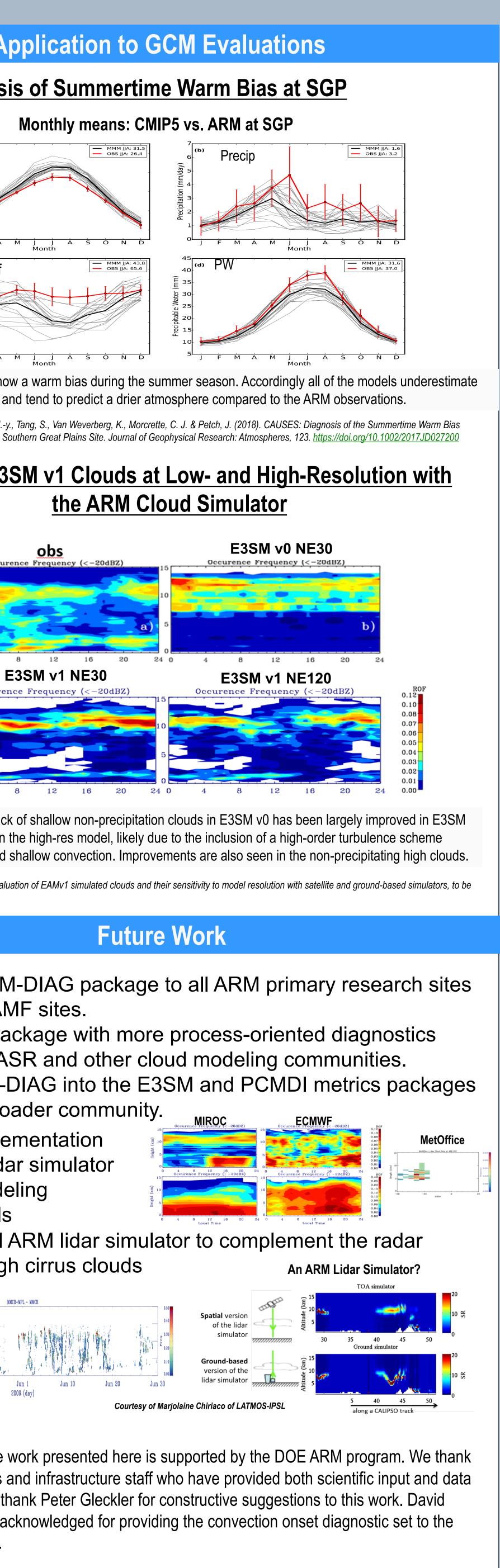


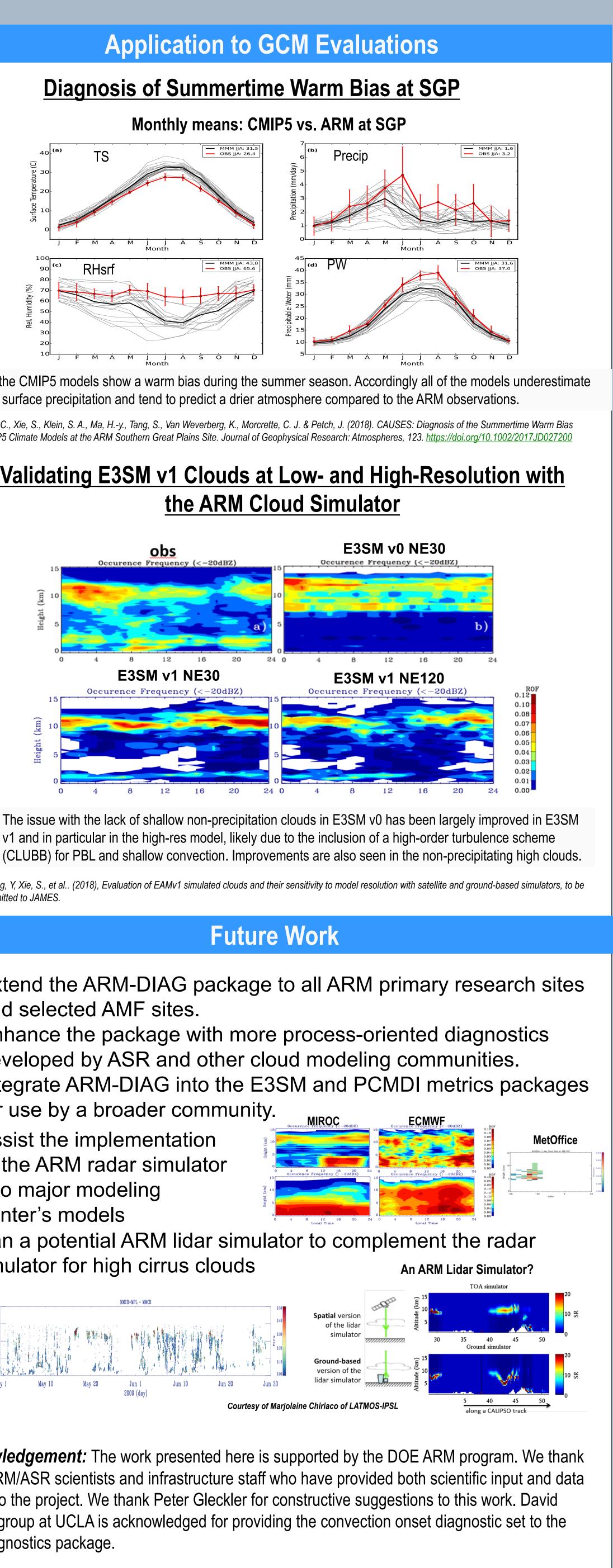


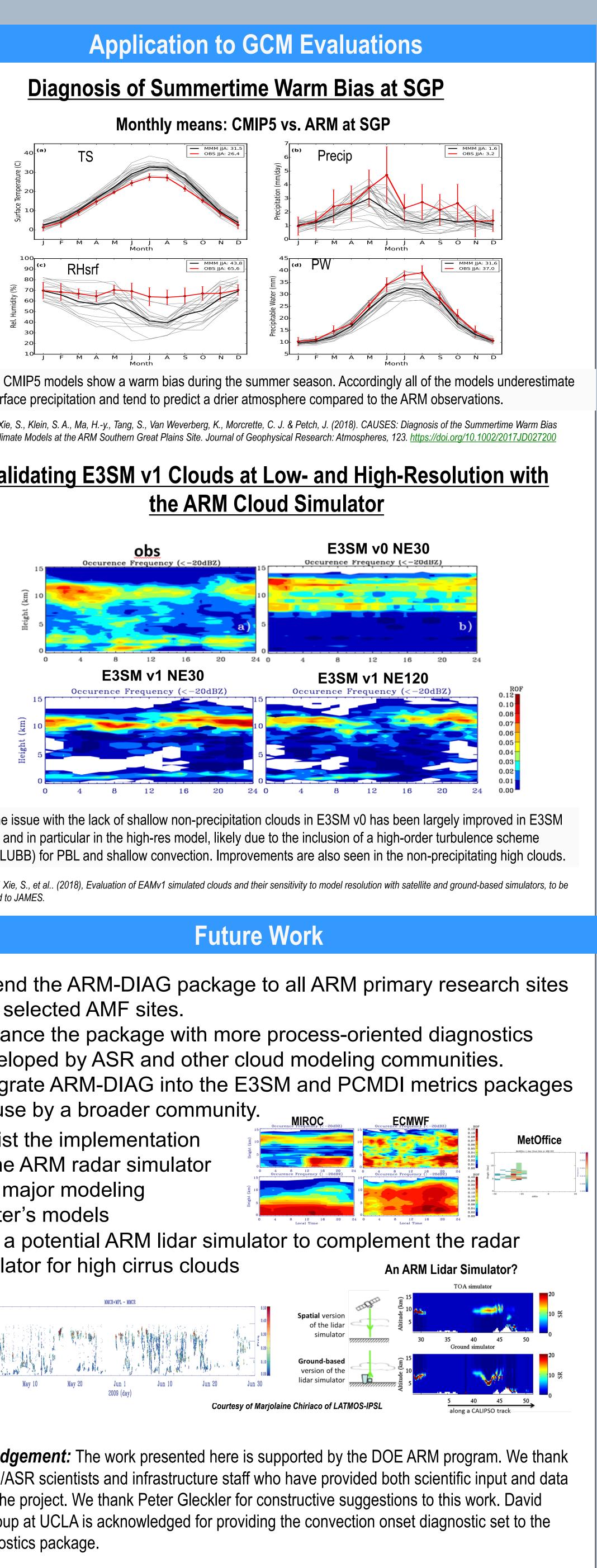
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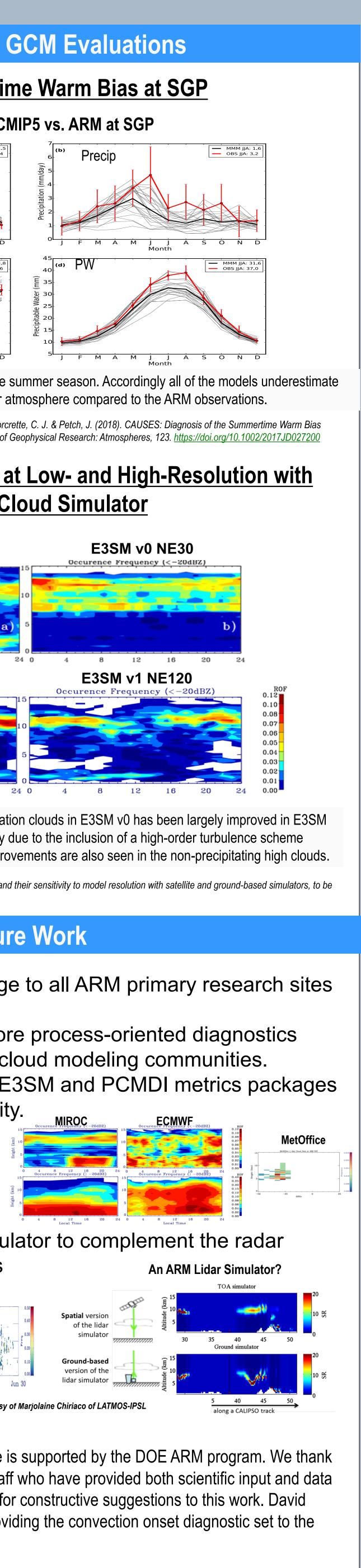




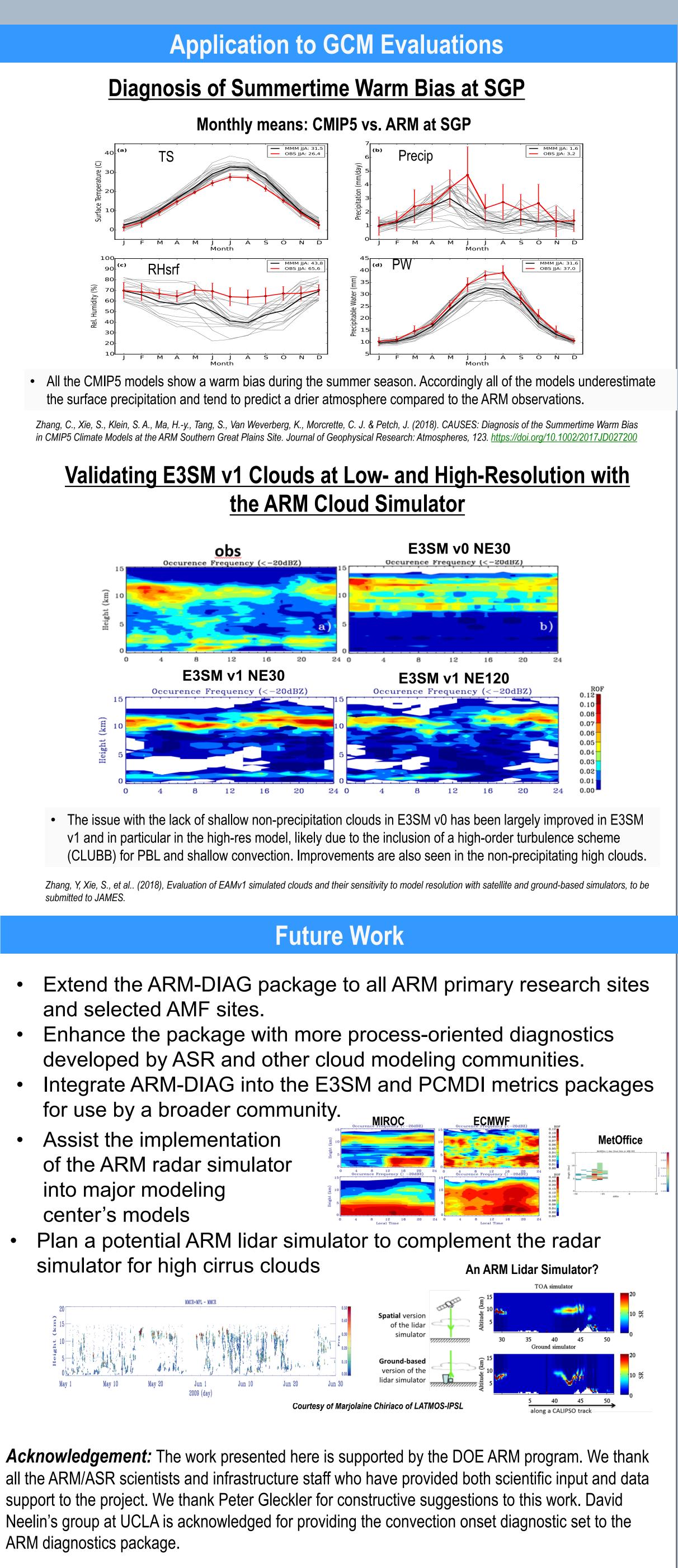




- and selected AMF sites.
- for use by a broader community.
- Assist the implementation  $\bullet$ of the ARM radar simulator into major modeling center's models



simulator for high cirrus clouds



ARM diagnostics package.

