

Highlights:

- There are a number of models being used within the cal/val effort (instrument, radiative transfer, dynamical models).
- Data can be used to evaluate models in clever manners, e.g., forward simulators, sampling, statistics.
- Methods, and models, could play a role in overall EarthCARE evaluation.
- Data can also be used for operational models, e.g., assimilation of lidar, radar.

Suggestions/recommendations:

- Consider of use of cal/val data to augment EarthCARE observations for models
- Coordinated modelling with campaigns, surface networks
 - Reach out to modellers, AtmOS Modelling Group as needed?
- EarthCARE signal/product simulators to facilitate apple-to-apple model evaluation
 - Appropriate complexity needs to be considered.

Remaining main issues and further needs:

- Is EarthCARE cal/val data of interest to those evaluating and developing models. Reach out as needed to groups.