

ARM/GCSS Ensemble Single Column Model intercomparison for TWP-ICE: an update...

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Monash University but presented by someone else!

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Submissions...

- University of Reading, UK. UM (6.0?) standard and with stochastic scheme. (Dr Robert Plant, Dr Richard Keane)
- UKMO, UK. UM with 2 different forcing methods. (Dr Jon Petch)
- PNL. SCAM and SAM-Liu microphysics. (Dr Xiaohong Liu)
- Scripps. SCAM-RZM. (Dr. Guang Zhang, Dr Xiaoliang Song)
- NOAA. NCEP GFS model. (Dr Weiguo Wang)
- GISS. GISS model. (Dr Audrey Wolf)
- University of Wisconsin. CLUBB. (Brandon Nielson, Prof Vincent Larson)

- Dr Jason Cole, results in progress.
- Dr Jun-Ichi Yano. NAMSCA.
- UKMO, UK. Met Office LEM running 2D ensemble simulations.

Current missions (1)...

- Providing data to Jon for overview paper. This will be...
 - multi-model mean of all best estimates
 - multi-model mean of ensemble members (probably only members 10-90, some models had problem with members > 90)
 - some measure of error/spread ensembles
- ... for the 'key variables' we selected.
- Current gremlins with this mission...
 - getting all the models on the same time and space so they can be averaged...but getting there.
 - differing units, differing variable names and what to do with outlying models.
- Getting there soon, I promise!

Current missions (2)...

- SCM intercomparison paper. This will have roughly 3 sections (none of them very long, I hope)...
 - comparison of best estimate simulations, what would we have learnt if this intercomparison only had one forcing data set?
 - what more can we learn about model behaviour as we have the ensemble:
 - How do probabilistic simulations compare?
 - What can we learn about model sensitivities?
- Current plan is to have this done by Autumn (Fall) meeting.
- Thank you for your patience. There will be results and papers coming out of the SCM intercomparison.