
MMM **SEMINAR** *NCAR*

***On the Edge of the Greyzone, Can You Trust Your Observations and
How Important is Snow for Precipitation?***

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The first WGNE/GASS Grey Zone Project case is using a cold air outbreak to explore i) how well mesoscale regional NWP models simulate a cold air outbreak? ii) What the effect of grid resolution is on that ability? And iii) what is the influence of parametrized convection across resolutions? Results from 8 Limited Area Models will be shown. Each model participant provided data from runs with and without convection schemes at grid resolutions of 16, 8, 4, 2, 1km across a 1600km x 800km domain. Comparisons have been made between the models, remotely sensed and insitu observations. Conclusions will be provided about the behaviour of models across resolutions, with and without parametrized convection. Such comparisons raise questions about bias in aircraft observations used to test models – if the observations are biased by sampling larger clouds, for example, how large is this bias? And finally, precipitation in these systems is due to the presence of ice or snow – how important is the presence of ice and snow to the production of precipitation – globally?

*This seminar will be webcast live at:
<http://www.fn.ucar.edu/it/mms/fl-live.htm>*

*Recorded seminar link can be viewed here:
<https://www.mmm.ucar.edu/events/seminars>*

Friday, 25 September 2015, 11:00 AM
Refreshments 10:45 AM
NCAR-Foothills Laboratory
3450 Mitchell Lane
Bldg 2 Main Auditorium, Room 1022

MMM SEMINAR COORDINATOR
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