

# Outline

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- New Focus Groups or Subcommittees
  - Surface Flux Measurement
  - Cloud-scale Vertical Velocity
- Fall 2008 meeting

# Surface Flux Measurement

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- Warren Wiscombe has asked that all instruments “have a home” in a working group
- To that end, he has asked that the Cloud Modeling Working Group “take ownership” of the surface energy budget measurements as no other working group has an interest in these measurements
- He has asked us to evaluate the efficacy of the Energy Balance Bowen Ratio (EBBRs) and the Eddy Correlation (ECORs) instruments

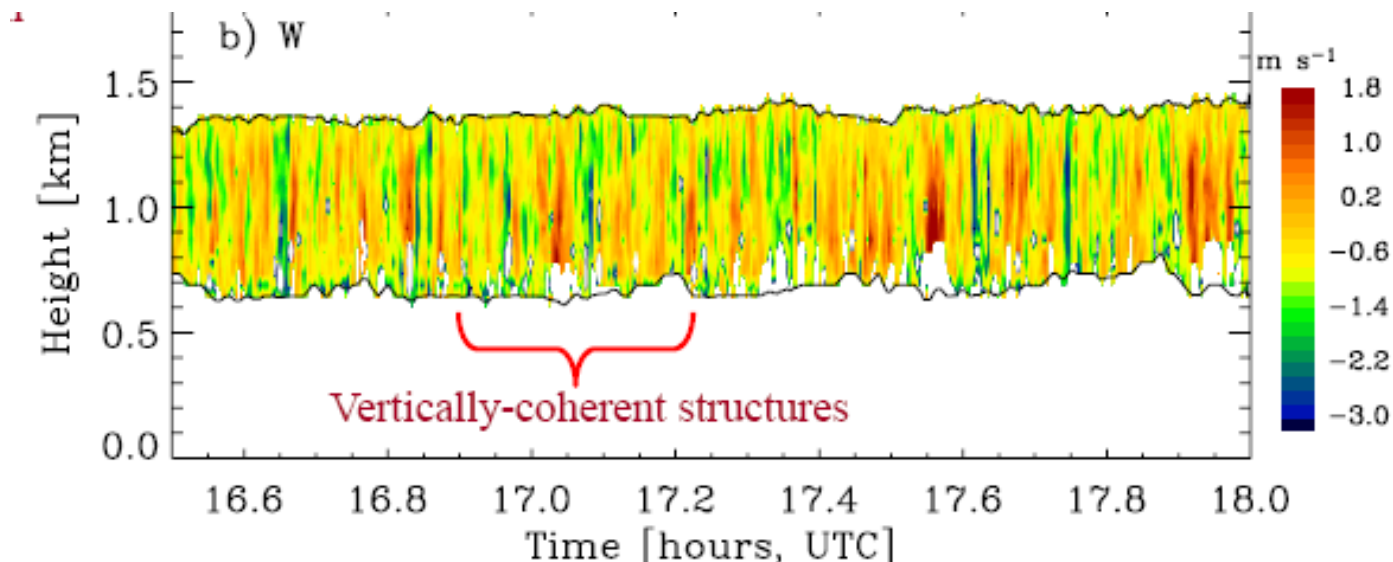
# Surface Flux Measurement

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- Warren would also like us to look at new measurement techniques such as the scintillometers and a newly submitted proposal to use a portable instrument to calibrate all of the EBBRs and ECORs
- A subcommittee of the Sunset Committee is being organized by Ric Cederwall to look at this issue
- Please contact him directly if you have not already expressed an interest in this activity

# Cloud-scale Vertical Velocity

- Warren Wiscombe is organize a new focus group with the intent to develop for modelers cloud-scale vertical velocity retrievals from the active remote sensors
- M-PACE example from Matt Shupe:



# Cloud-scale Vertical Velocity

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- Scientifically relevant quantity that is at the center of many parameterization assumptions and can be used to assess cloud-resolving or large-eddy simulations
- Retrievals are probably limited to shallow non-precipitating (or lightly precipitating) clouds (e.g. stratocumulus, cumulus, cirrus)

# Cloud-scale Vertical Velocity

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- Warren has convened a small group to discuss how to move forward on this idea for tomorrow
- I have invited members of the Cloud Modeling Working Group steering committee to attend but if there is anybody else who is extremely interested in this subject please speak to me afterwards

# Fall 2008 Meeting

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- Joint with Radiative Processes Working Group
- 3-day meeting
- Currently exploring having meeting in Princeton, New Jersey to facilitate interaction with GFDL
- Planning sometime between Labor Day and Thanksgiving. Blackout dates? We know about CERES meeting in NY Oct 27-29. Please tell us.

# Advertisement: Pan-GCSS Meeting

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- The GEWEX Cloud Systems Study Project will have a joint meeting of all of its working groups in Toulouse, France June 2-6, 2008
- Co-operation between GCSS and the ARM Cloud Modeling Working Group has been very strong over the years so I encourage you all to attend
- The chair of GCSS, Pier Siebesma, is here and can provide you more details



# Reminder: Research Highlights

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- When you have significant accomplishments from your research projects (e.g. a paper), please submit a research highlight to the ARM web site  
<http://www.arm.gov/science/research/>
- These highlights are used by the ARM management to argue for more money for the program
- We did well last fall but the need never goes away