

Vertical Velocity Focus Group

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Breakout Session

When: 8:30 to 10:00 am on Tuesday November 5, 2013

Where: Plaza 1

VVFG -- Data Products

Cloud Type	Product	Site and Dates
Clear air and warm low clouds	Doppler Lidar Vertical Velocity and Cloud Statistics (Newsom)	SGP (2011-present) Darwin (2011-present) AMF-1 at PGH, PVC
	Warm Cloud Air Vertical Velocity (Luke)	AMF-1 GRW AMF-1 PVC

VVFG -- Data Products

Cloud Type	Product	Site and Dates
Deep Convective Rain	Convective Vertical Velocity (North)	SGP -- MC3E
Deep Stratiform Rain	Vertical Velocity in Stratiform Rain (Jensen)	AMF-1 NIM SGP (May, 2007)

VVFG -- Data Products

Cloud Type	Product	Site and Dates
Cirrus Clouds	Ice Cloud Dynamics (Kalesse)	SGP (1997-2010) Manus (1999-2010)
Mixed Phase Clouds	Cloud Scale Vertical Velocity and Dissipation Rates (Shupe)	MPACE and ISDAC Case-studies

VVFG - Discussion Points

- Available data products are at various stages, need specific science drivers to guide prioritization and development.
- Important science questions that will drive future activities.

VVFG Agenda

- Two talks on using observations to evaluate model simulations.
- Two talks on new techniques for observing vertical velocity.
- Half hour discussion!

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