

Thompson Lecture Series 2016

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How the land, sea, ice, and mountains move the rain

Abstract:

I'll talk about research using idealized GCMs to pick apart the role of various factors in setting the rainfall distribution on Earth, including simple continents, mountain ranges, the ocean circulation, ice sheets, and vegetation. The use of simple diffusive closures in the atmospheric energy budget is a common thread in this work. These results highlight interconnections within the Earth system, including some new and unexpected long-range teleconnections.

Thursday 1 December 2016, 11:00 am
Mesa Lab Main Seminar Room