



## **Monash Weather and Climate seminar series**

**Next seminar: Friday 21st August**

### **Energy exchanges during MJO events as an illustration of the diagnosis of feedbacks**

William Rossow (CREST at The City College of New York)

An analysis of the variations of atmospheric diabatic heating during MJO events shows a clear sequence of events that clarifies the nature of the interactions of the planetary-scale tropical circulation and deep convection. This analysis combines seven different global datasets, mostly satellite-based, to determine the exchanges of energy between the atmosphere and ocean surface at daily time and mesoscale spatial scales. This type of analysis parallels what must be done to diagnose the "fast" atmospheric feedback processes on climate, those that operate on weather to seasonal to interannual time scales. With the global datasets now becoming available, supplemented in crucial ways by key experimental measurements (such as TRMM, CloudSat, Calipso), the diagnosis of these fast feedbacks from observations is now possible.

**Seminars held in Room 345, Building 28, Fridays 1-2pm**

**All Welcome!**

For more information, contact Laura Davies or Jo Brown  
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