

One-Week Summer School on the Use of Models for the Interpretation of Atmospheric Measurements

In order to interpret measurements, atmospheric scientists use a hierarchy of models of varying complexity. Choosing the right model means including the key physical processes, without making the model any more complex than it needs to be. Every choice of a model means that certain constraints are built in, while other degrees of freedom remain. When comparing a model with measurements, it is essential to understand what can and cannot be usefully and appropriately compared. The purpose of this summer school is to discuss the main hierarchy of models used, from 0-D (box) models up to 3-D models, and including chemistry, radiation and dynamics, with example applications. The emphasis is not on conceptual or idealized models, or on models for prediction, but rather on models to interpret atmospheric measurements. Thus, the summer school is aimed principally at scientists making and analyzing measurements, rather than at modellers (although modellers may also find it useful).

Confirmed lecturers: Anne Douglass (NASA Goddard), Dylan Jones (Toronto), Paul Kushner (Toronto), Charles McLandress (Toronto), Markus Rex (AWI Potsdam), Ricky Rood (NASA Goddard), Adam Sobel (Columbia)

Dates: 7-13 May, 2005 (mid-day to mid-day) ([agenda](#))

Location: [The Banff Centre](#), Banff, Canada

- Registration is C\$500, which includes shared accommodation and meals (single accommodation may be possible for a surcharge of C\$340), but space is limited. Preference will be given to graduate students at Canadian universities. Please send applications by **31st January 2005** to

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