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## **The Astronomical Flux Measurement Problem: Implications for Atmospheric Monitoring**

*Monday, 13 September 2010 09:30 (45 minutes)*

I will provide an overview of the motivation for direct determination of atmospheric transmission, from the standpoint of broadband photometric measurements. The primary sources of variability (or unpredictability) in transmission are clouds, aerosols and water vapor. I will review our approach to date, and the results we have obtained from initial prototype instruments.

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