Lidar Measurements from King Air during PECAN

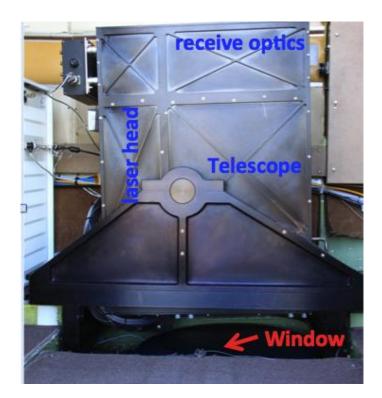
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Lidar Systems

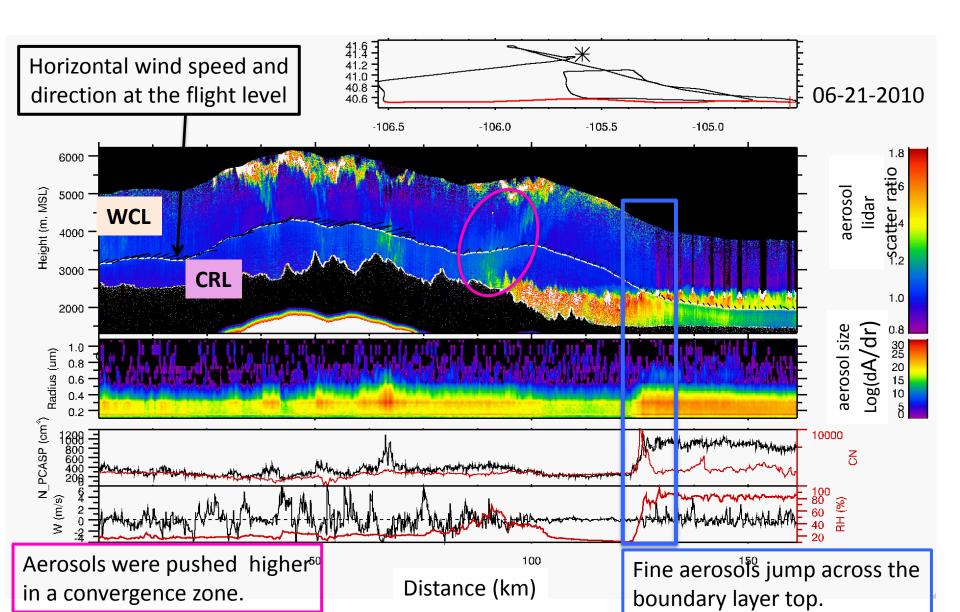
Upward— Wyoming Cloud Lidar (WCL): a two-channel elastic lidar



Downward – Compact Raman Lidar (CRL): a five-channel system

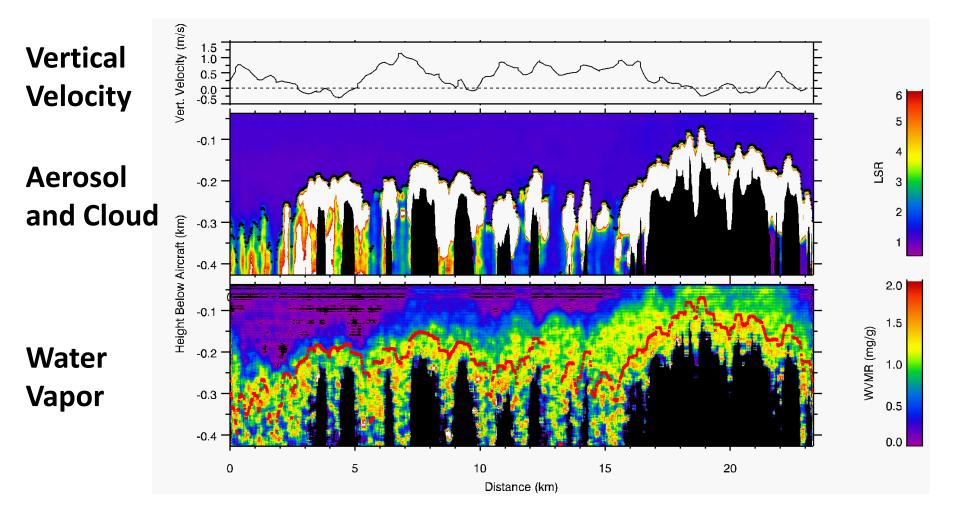


An Aerosol Measurement Example



Nighttime Water Vapor Measurements

An example of water vapor above altocumulus



Potential Temperature Measurements

- We are redesigning the CRL detection box (keeping it the same size and weight) to have temperature detection channels.
- The detection range and accuracy to be determined.