



*Wyoming Cloud Radar (WCR) – up/dn  
and*

*Wyoming Cloud Lidar (WCL) – up  
in PLOWS winter 2009/10*

- *First deployment of WCR-II; increase of ~7-10 dB sensitivity compared to WCR-I*
- *First deployment of WCL as part of UW-NSF Cooperative Agreement (final approval of WCL addition occurred near end of PLOWS)*

# Wyoming Cloud Radar

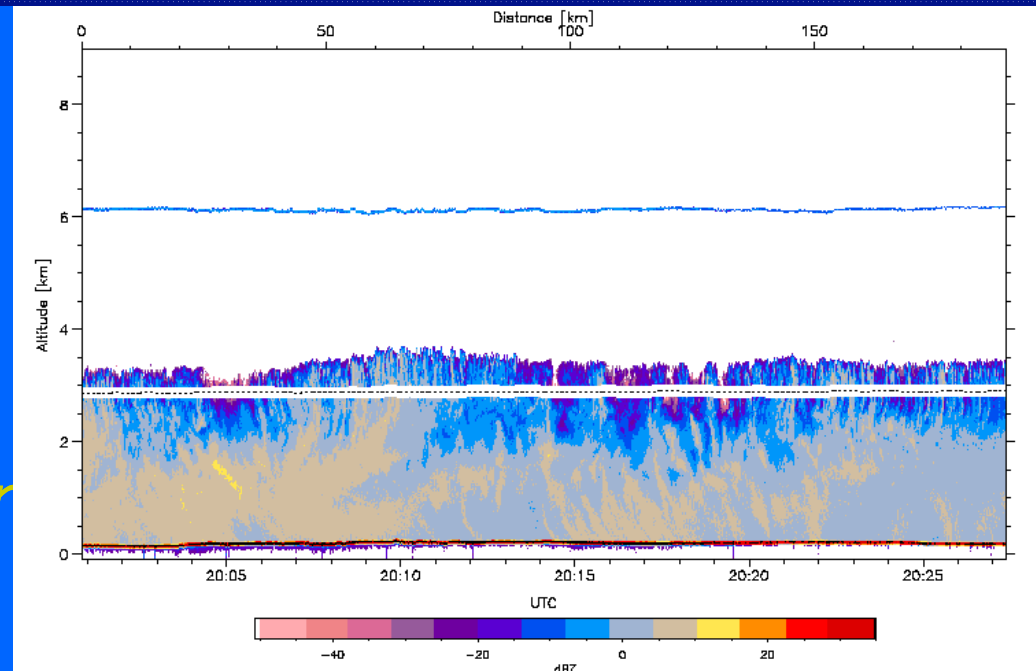


*WCR-II up/dn*  
*All data are processed*  
*QA/QC, merged with*  
*aircraft data and*  
*archived at UW server*

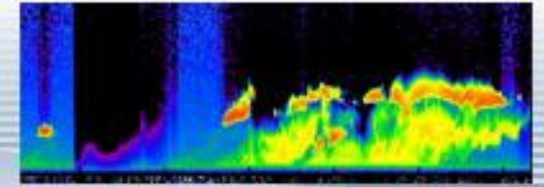
## Known Issues:

- *In 2<sup>nd</sup> half, intermittent noise problems reduced reflectivity accuracy from 2.5 dB to ~5 dB*
- *Uncertainty in beam pointing direction reduced accuracy of velocity to ~1.5 m s<sup>-1</sup>*

*Details available in Catalog Release Notes at UW*



# Wyoming Cloud Lidar



## WCL -up

Raw data currently at UW  
Quicklooks in field catalog

- Processed data will be available in August
- New Lidar Scientist building processing/QA software

## Data Set:

- Will include overlap-corrected power and depolarization ratio, basic set of a/c parameters (similar to WCR data set), in NetCDF format

