

MISS

Integrated Sounding System

National Center for Atmospheric Research

Earth Observing Laboratory



Bill Brown and Lou Verstraete

PLOWS Planning Meeting

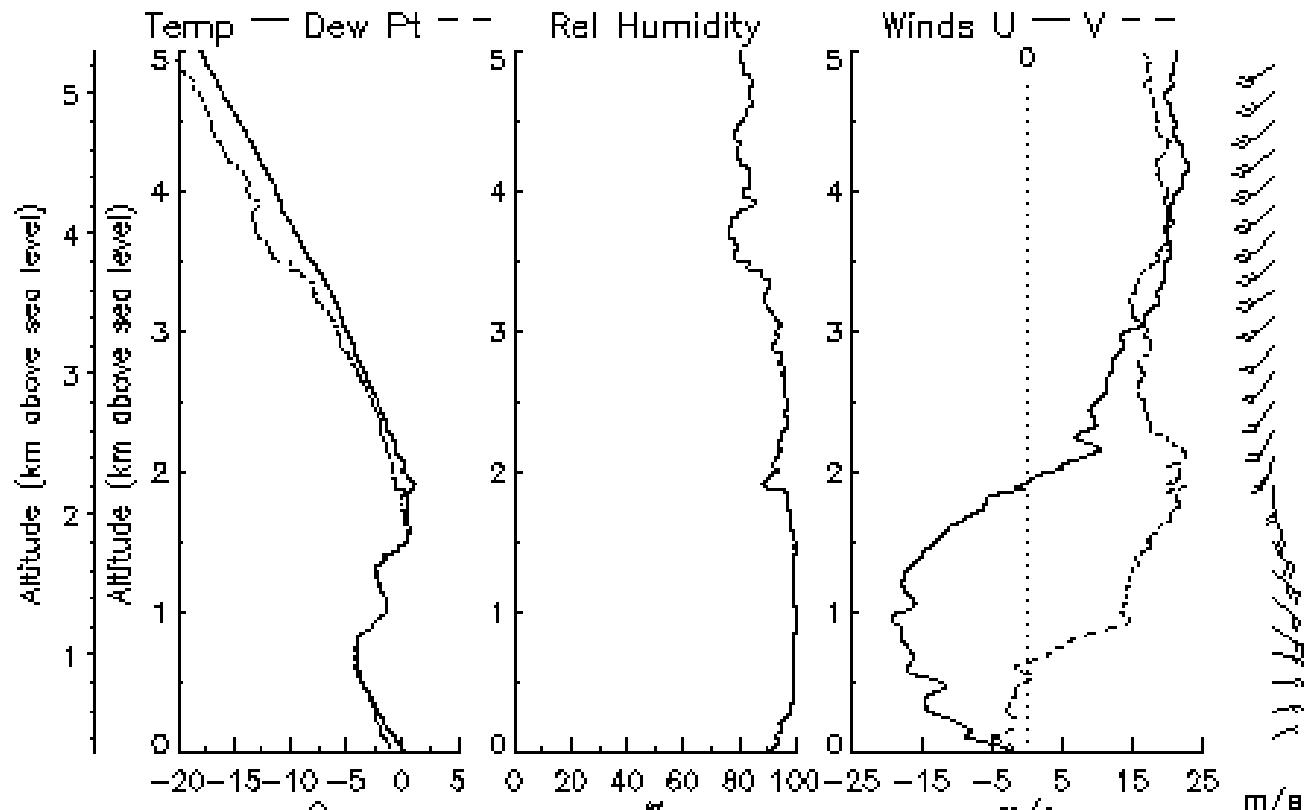
MISS



Sounding

Radiosonde into
freezing rain

MISS NCAR Sounding 26 Feb 2009 20:55Z 15:55CDT 44.02N 90.49W
[/h/eol/iss/project/preplowa/data/iss1/close/iss1_sounding.020090226_205524_P.1.nc](http://eol.ucar.edu/project/preplowa/data/iss1/close/iss1_sounding.020090226_205524_P.1.nc)



Profiler

SNR

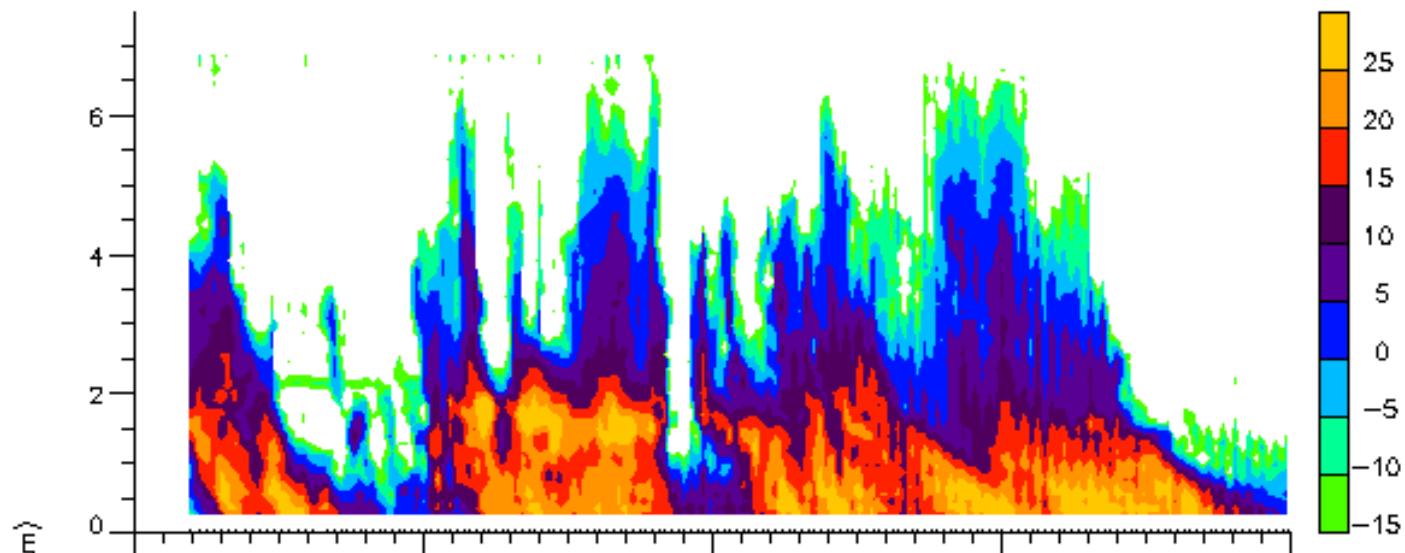
Bright-band

Vertical Velocity

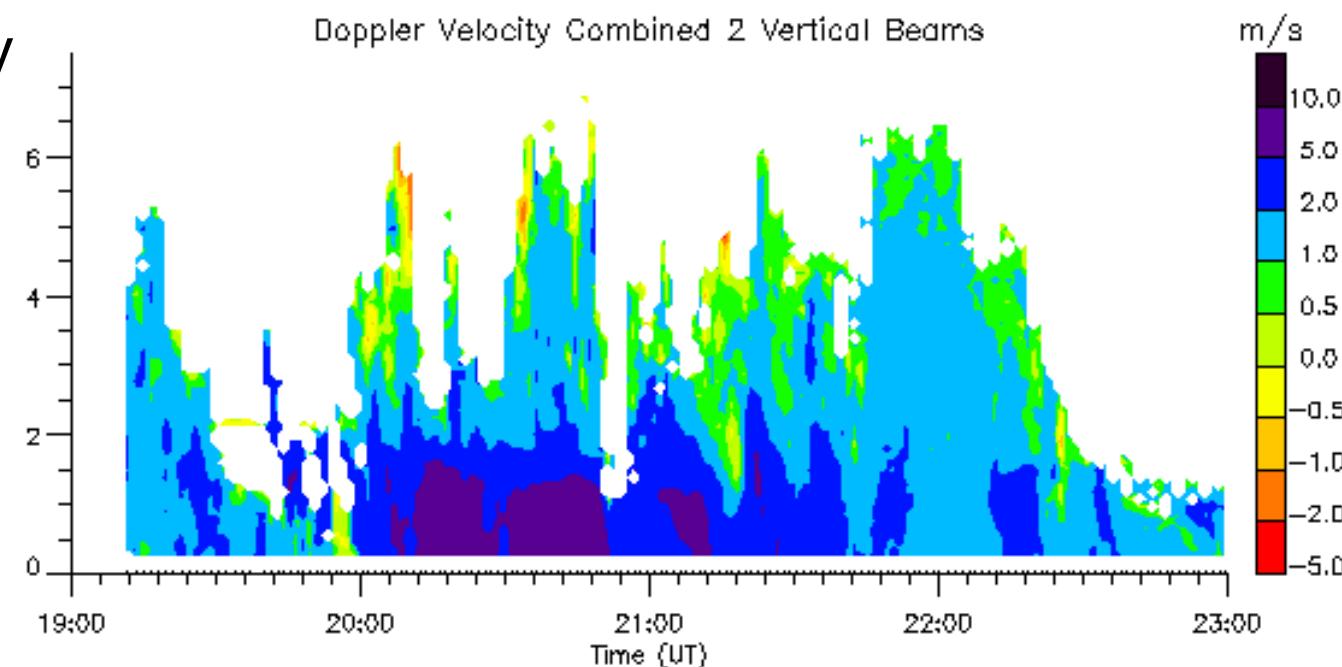
Snow aloft,

Rain below BB

Ice at surface



Doppler Velocity Combined 2 Vertical Beams



Summary

- Worked well during Pre-PLOWS
- PLOWS plan to base at Davenport NWS
- Highway speeds limited to 50 mph, so prefer ample notice of IOP locations
- Student helpers for IOPs > 12 hours