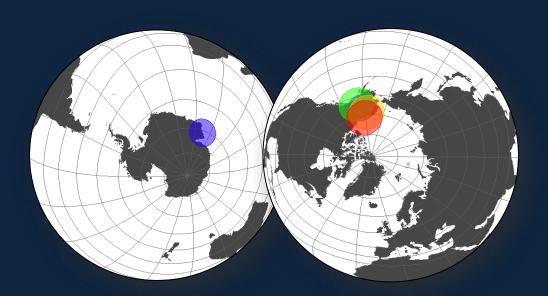
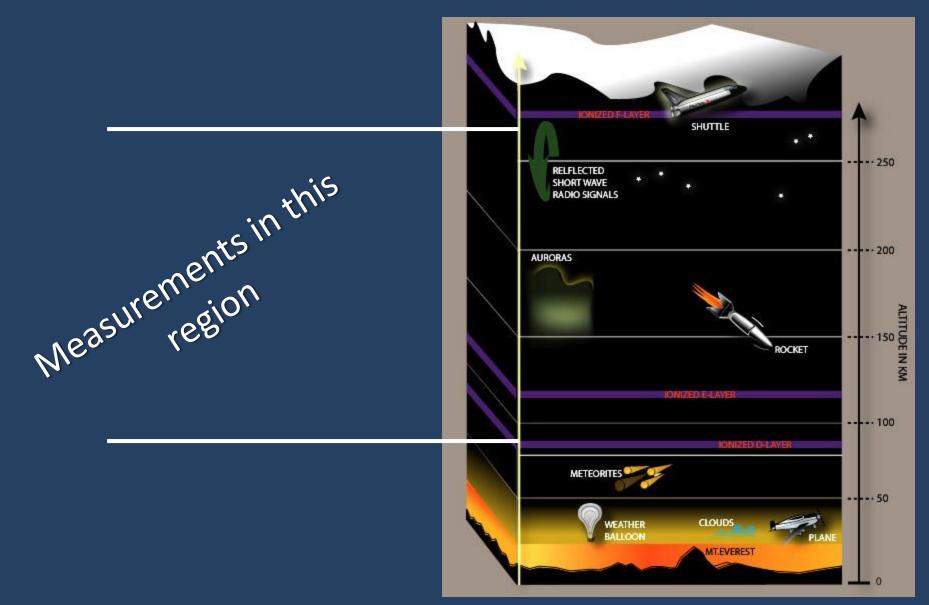


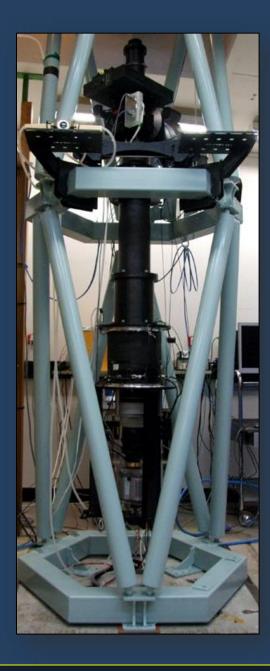
# The Scanning Doppler Imager Network

Mark Conde Callum Anderson



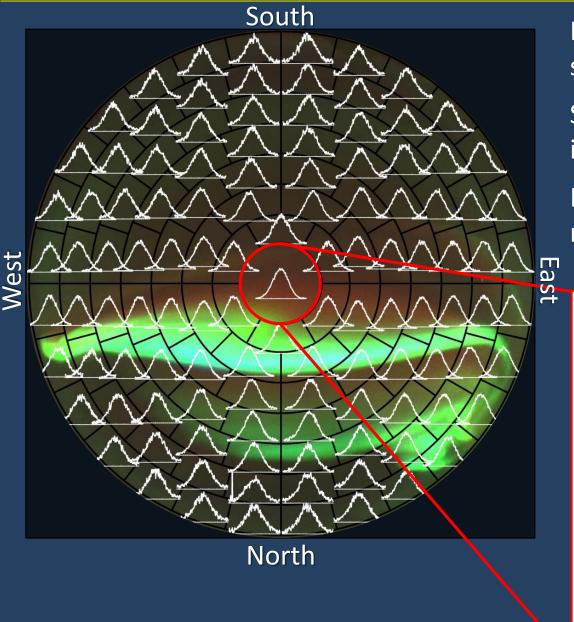


http://ds9.ssl.berkeley.edu/lws\_gems/6/secf\_9a.htm





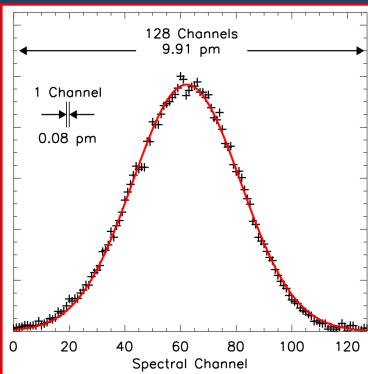




Divide the field-of-view into software-defined 'zones'

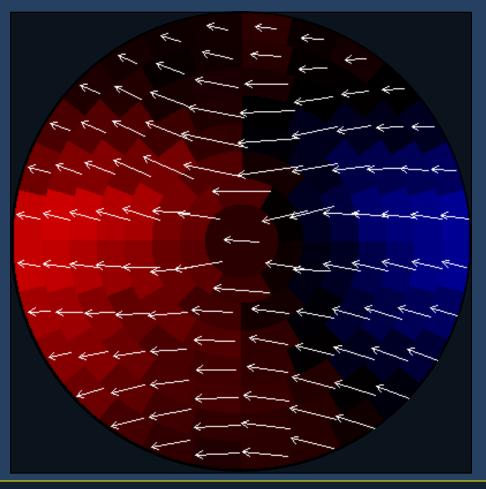
Simultaneously acquire spectra in every zone

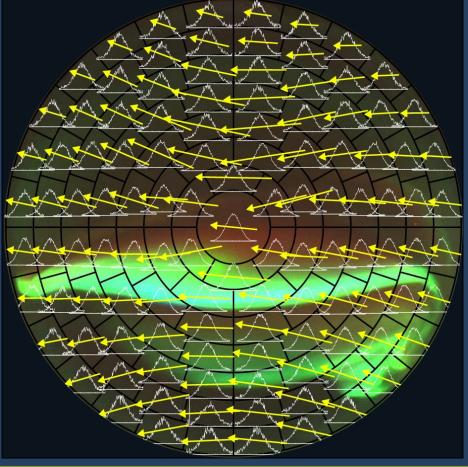
Fit emission profiles to the recorded spectra



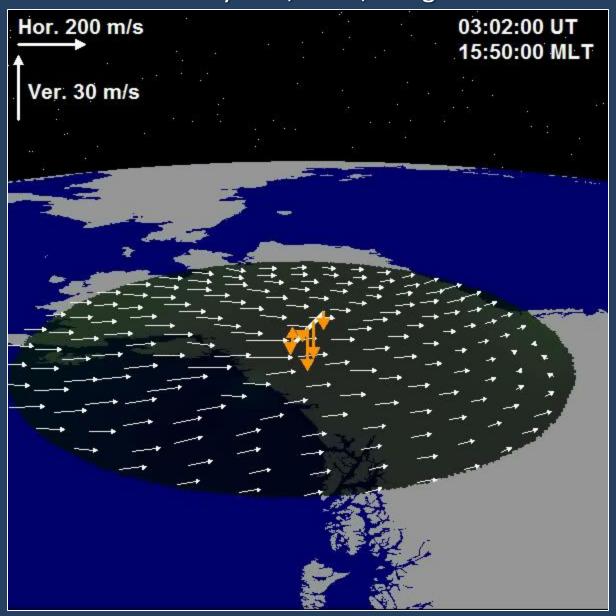
#### We measure:

Line-of-sight wind speed (Doppler shift), Atmospheric temperature (Doppler broadening) Emission intensity

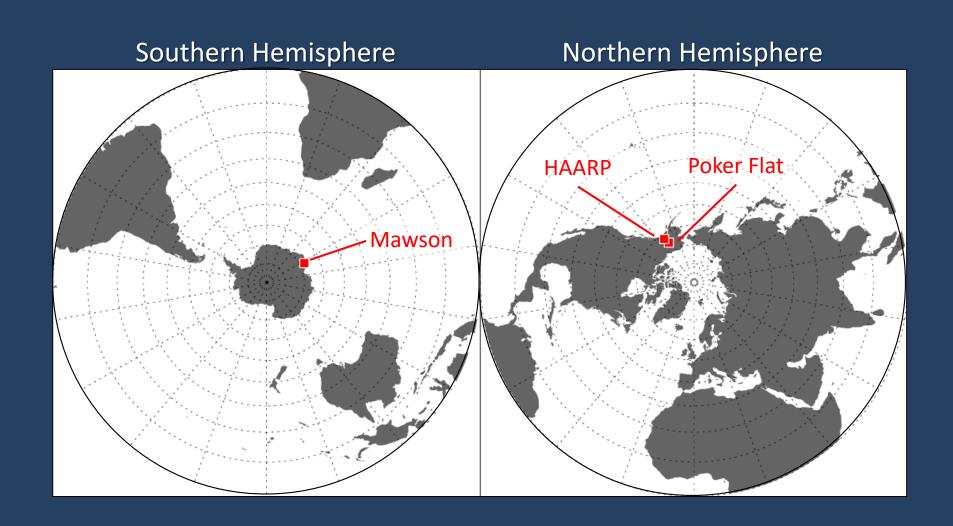




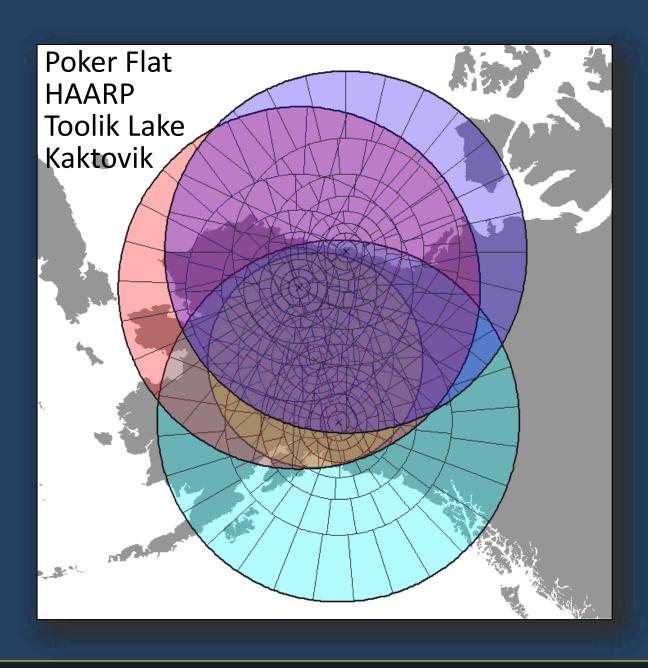
January 24<sup>th</sup>, 2010, F-region



Locations of currently deployed SDI instruments.



### Future Deployments





#### What we need:

- A level space for the trailer
- Not too much light pollution
- Power enough to run some baseboard heaters, a computer, various low-power electronics
- Internet for remote access, data downloads; doesn't need to be high-speed
- Occaisional technical support rebooting a computer, checking on a laser, etc.