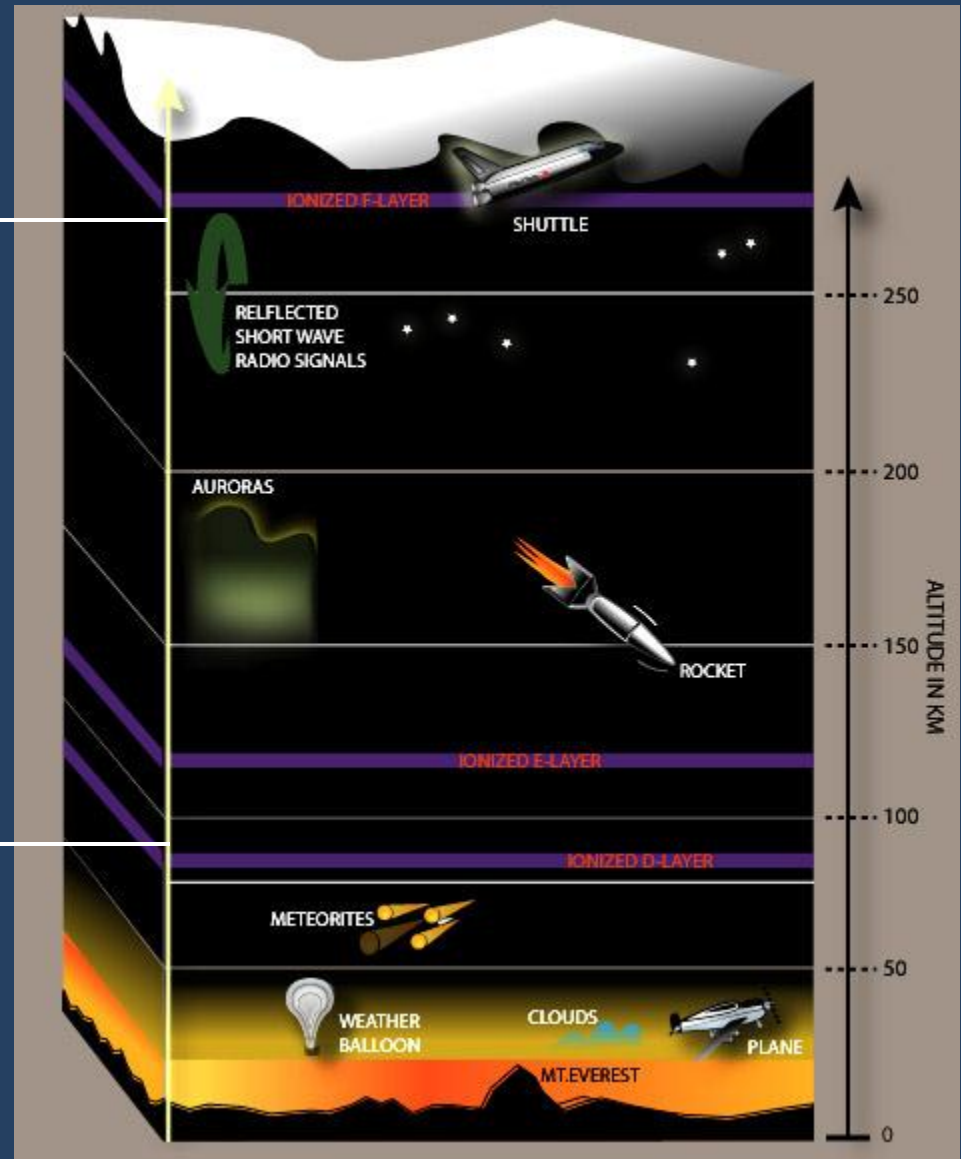
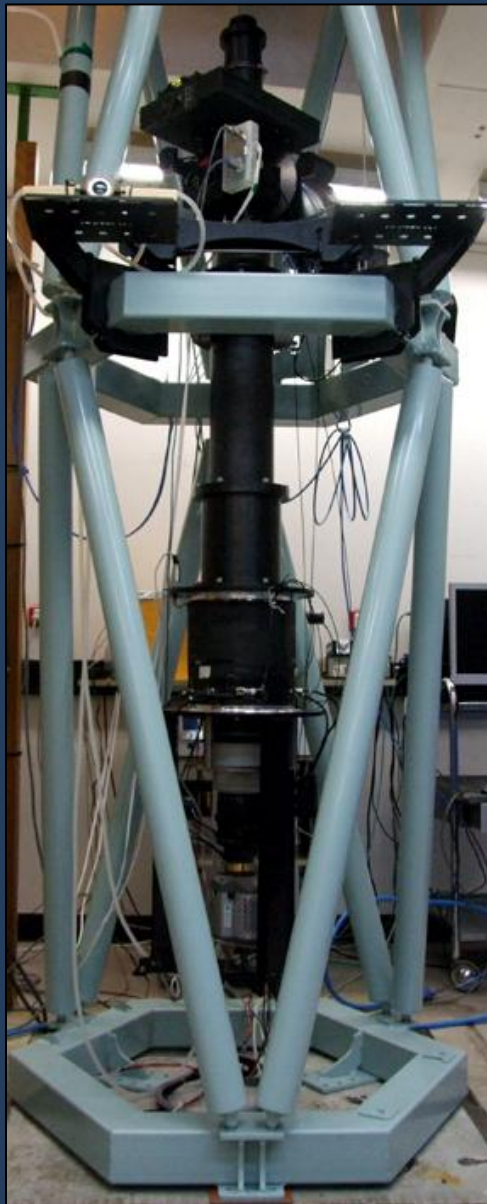


Alaska Scanning Doppler Imager Network

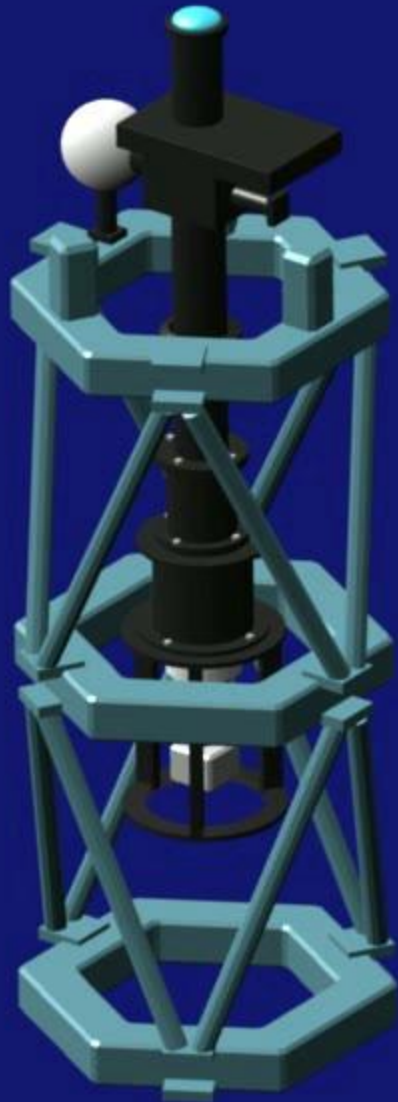
We make measurements at
different locations in this
region



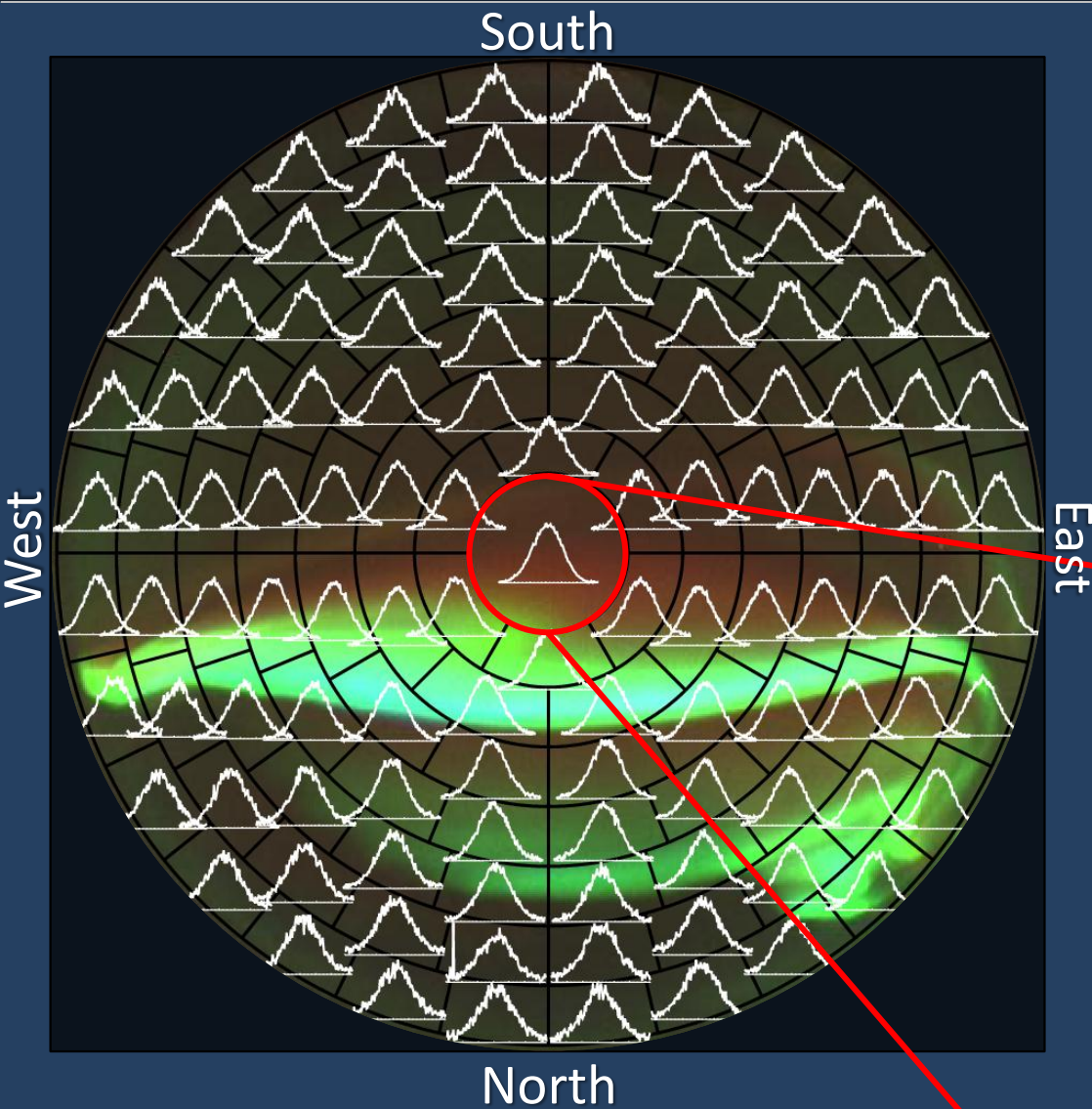
The Scanning Doppler Imager



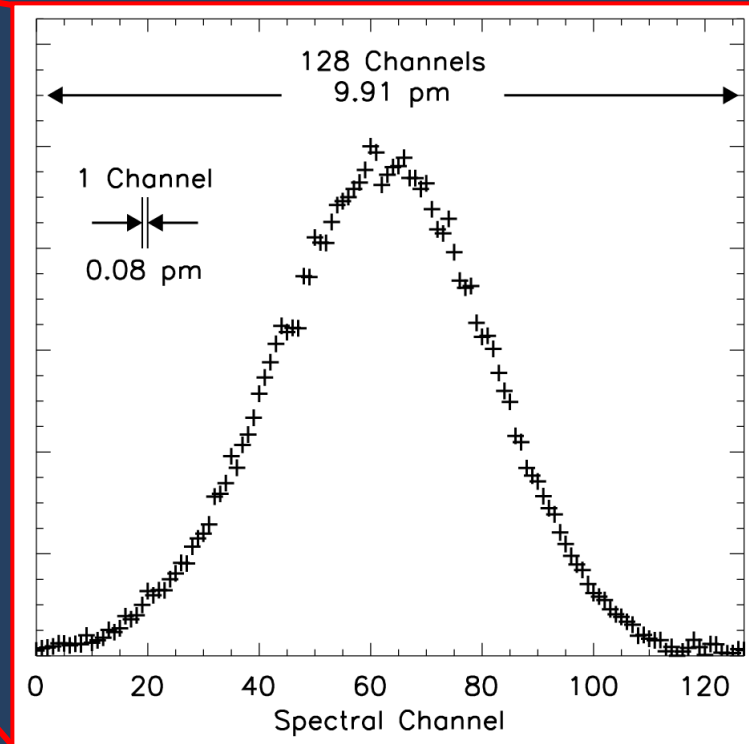
The Scanning Doppler Imager



The Scanning Doppler Imager



Basically an all-sky camera which records many spectra across the sky, all at the same time.



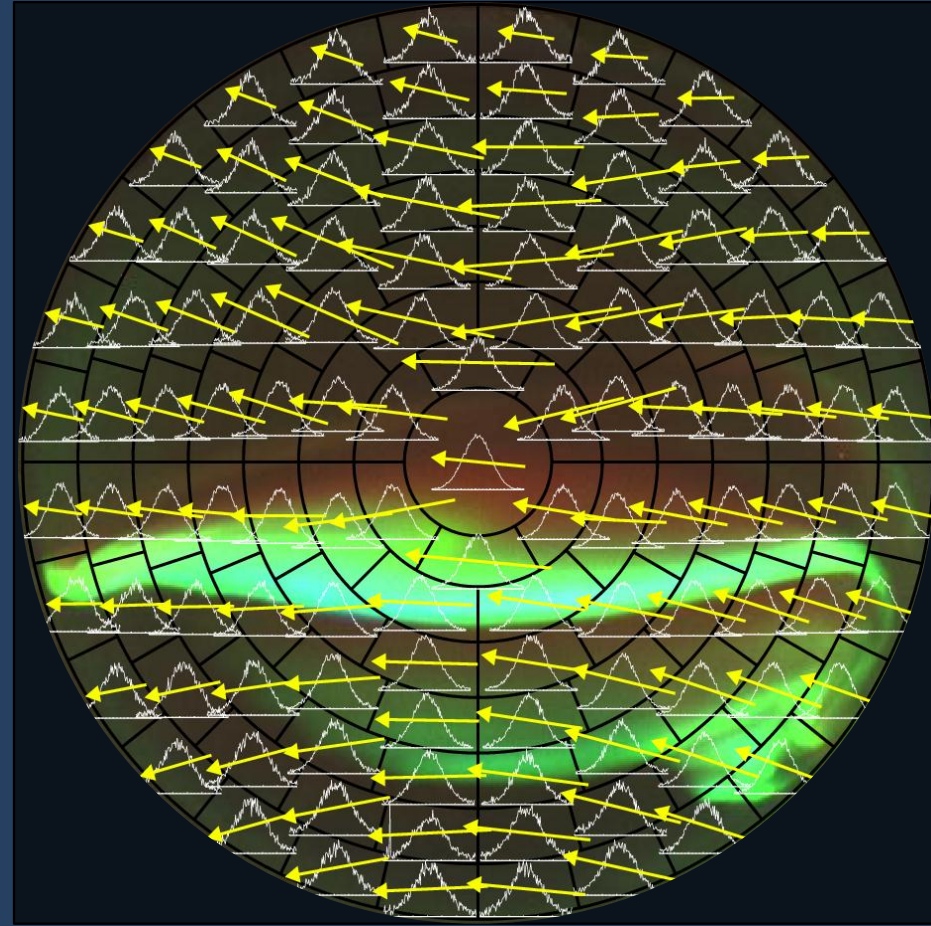
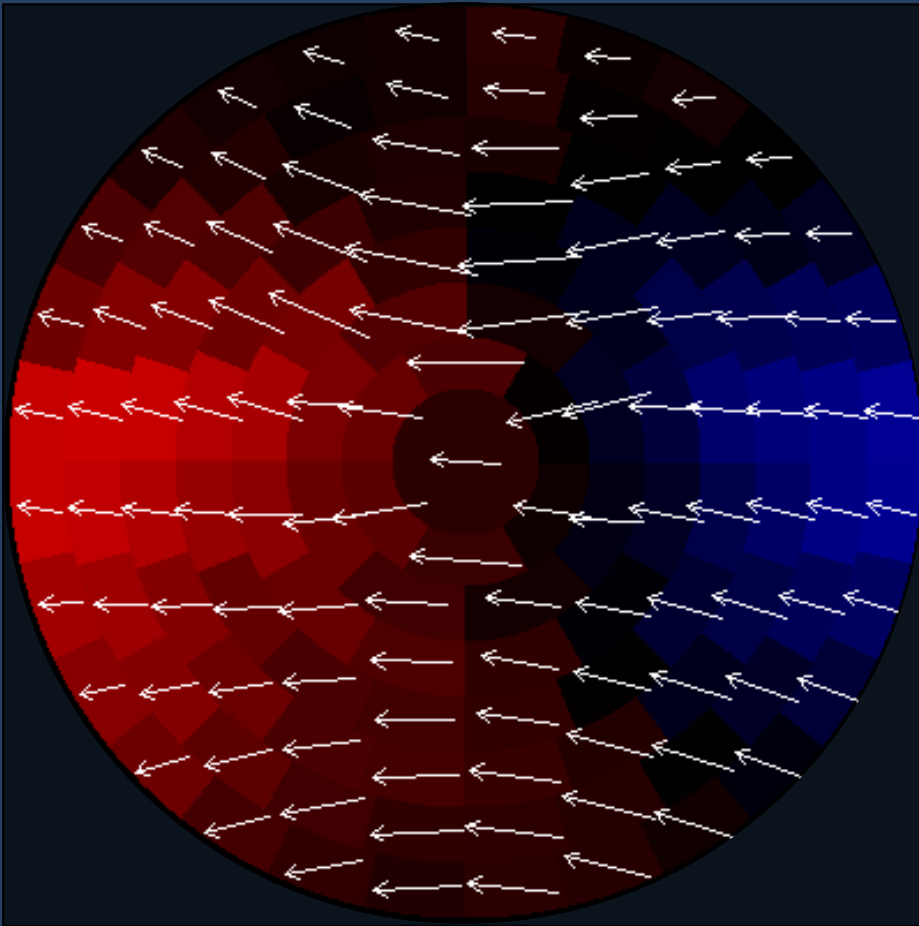
The Scanning Doppler Imager

From the spectra, we calculate wind speeds and gas temperature.

Doppler-shifts

=

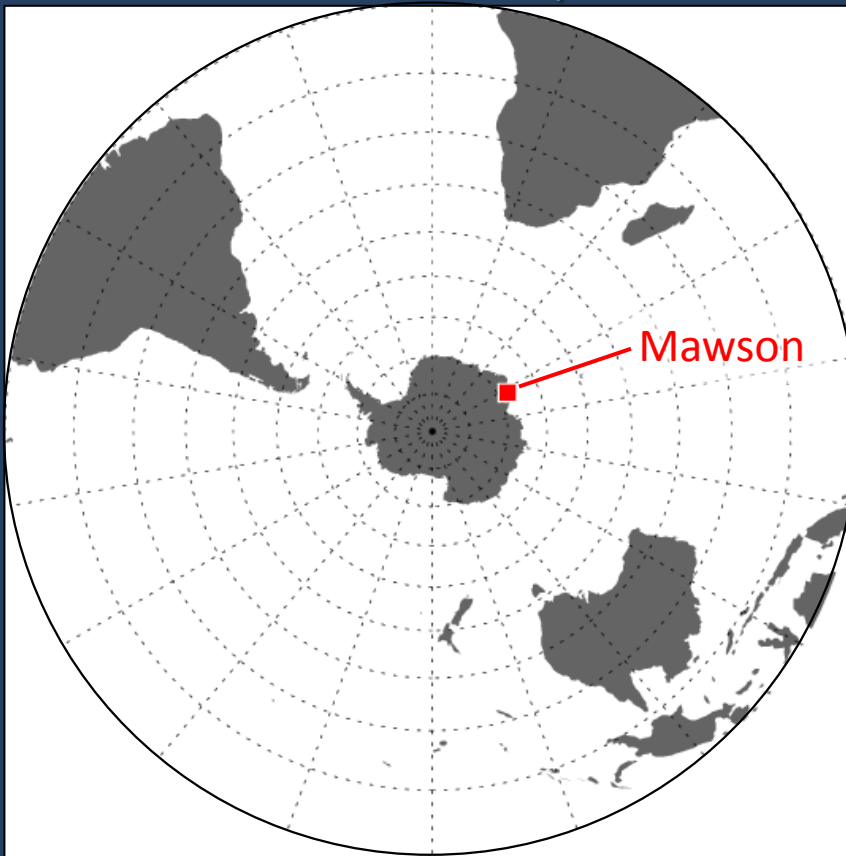
Wind speed
(and direction with a bit of work)



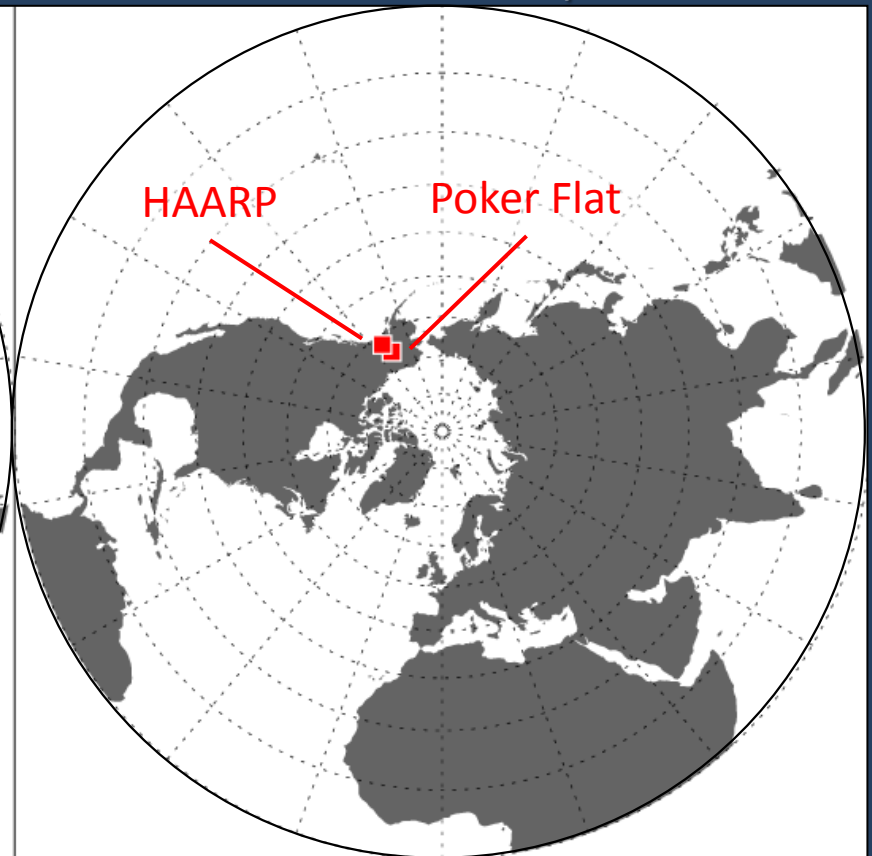
The Scanning Doppler Imager Network

Locations of currently deployed SDI instruments.

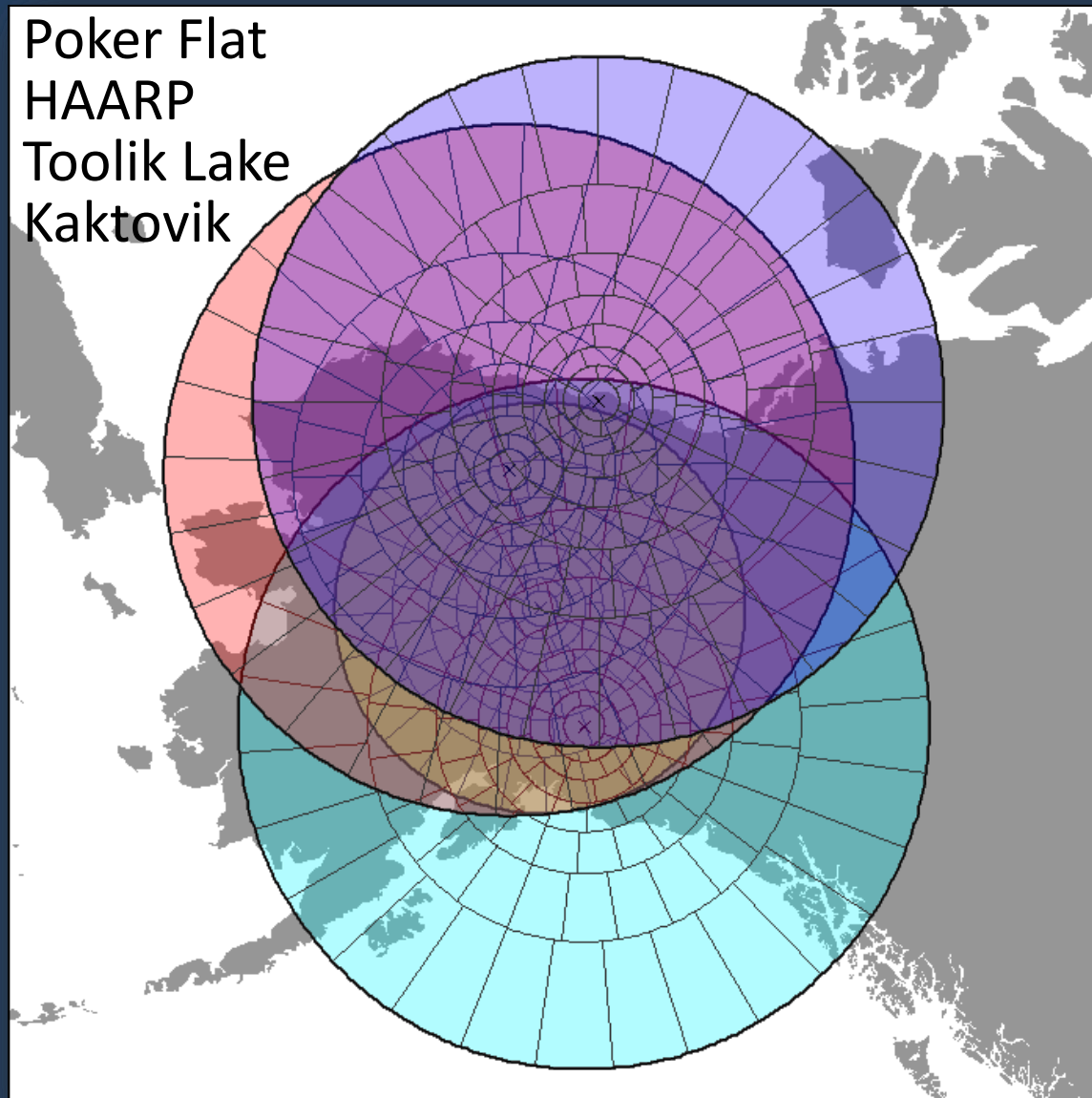
Southern Hemisphere



Northern Hemisphere



The Scanning Doppler Imager Network



What we need:

- A level space for the trailer
- Power – enough to run some baseboard heaters, a computer, some additional low-power electronics
- An internet connection – doesn't have to be high-speed
- Reasonably dark –
- Occasional technical support – e.g. rebooting a computer