Data options/observations

1. Radiosondes
   1. University of Wyoming:

Sounding data all over Arctic – East and West coasts, tip of Greenland, on ice sheet, Iceland, etc. It is archived, so it is possible to look at old data. It is free data

* 1. British field campaigns:

Sounding data from field campaigns. Free (I believe), but requires application for access. In Feb. 2007 they have data from the (GFDX) Greenland Flow Distortion Experiment campaign as well as from RAPID, an ice sheet monitoring campaign.

1. Surface Data
   1. NCDC:

Hourly global data is available all around Greenland’s Coasts and on the continent. It is part of the WMO Resolution 40 dataset. It is possible to get a subset of data pertaining to the locations and times of interest. This dataset access costs money (not sure how much).

There is also daily data available around Greenland for free, but the sites are limited. The dates and locations of interest can be specified.

There is also the Global Historical Climate Network with data:

<http://www.ncdc.noaa.gov/oa/climate/ghcn-daily/index.php?name=introduction> This has data for temp, precip, and snow on Greenland coast.

* 1. Plymouth State:

Archived data is available here: <http://vortex.plymouth.edu/u-make.html> for free. I can choose to look at an Arctic map, but it looks like there is no data directly from Greenland. I can get skew-T data for particular stations around Greenland using the station index, but not station data (it is only contoured or mapped).

* 1. Greenland Climate Network:

Run by Koni Steffan (CIRES) research group. NWS all over the continent. <http://cires.colorado.edu/science/groups/steffen/gcnet/> Must request data.

1. Buoy
   1. I couldn’t find any buoy data during Feb. 2007 using NCDC’s buoy network.
2. Satellite
   1. Quikscat:

This data is available from the NASA website and Remote Sensing Systems. The data is gridded and processed. I’m going to get the 12.5km resolution product and regrid it to be used for comparisons. This data should be free.

* 1. U. Wisconsin images:

The point of these images is to see visually the situation and to get a broad context for what is happening synoptically. Ask Shelley for help.

* 1. Aqua and Terra:

NASA product with visible images. Use these to look for visible imagery to be used in talks, etc.