

# SuperDARN Data Distribution Working Group Report

SuperDARN Workshop  
Svalbard, Norway  
May 2014

# DDWG: Summary

- Hard drives written and distributed
  - 20130101-20130430 Shipped September 18<sup>th</sup> 2013
  - 20130501-20130831 Shipped December 11<sup>th</sup> 2013
  - 20130901-20131231
- Hard drives are 2TB Seagate FreeAgent GoFlex Desk or 2TB Seagate Expansion Desktop - USB 3.0 compatible

# DDWG: Summary (2)

- Website has been created to document proceedings. Includes:
  - Charter, membership supplemental material
  - Action items and issues
  - Known data problems and known corrected/modified data files
- DDWG is taking up the hdw.dat updating. Find link on the DDWG website
- <http://vt.superdarn.org/tiki-index.php?page=Data+Dist+Working+Group>

# Issues

- Several issues worked through over the email list. For example issue #1:
  - Incorrectly labeled UAF files were identified by UAF
  - The corrected files were downloaded to USask and placed on the data mirror
  - An e-mail with detailed instructions was sent to the DDWG list about what files to remove and what files to download
- We encourage PIs to have students communicate known data issues to the DDWG.

# Data Distribution: Gaps

- Kevins worked to resolve gaps in data
- Emails with lists of data gaps sent out to data managers individually
- Data managers respond with which gaps are real, which are not – they post data they have for Kevin Sterne to route through U of Saskatchewan and be placed on the SuperDARN data mirror

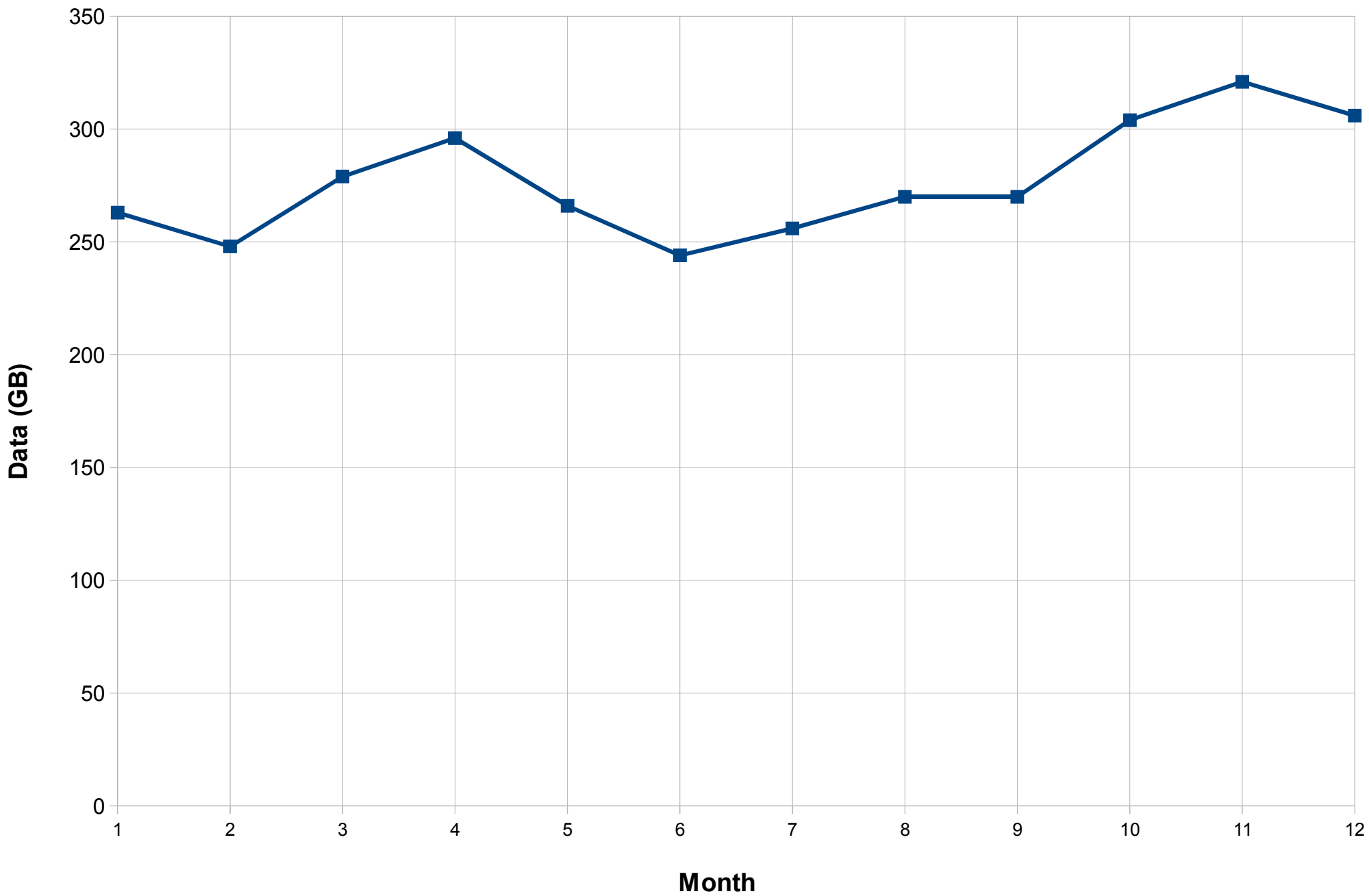
# Data Mirror

- Set up with 16 users – contact Kevin K. for a login if you don't have one
- Data from 1993 – present available
- Down-times over past year:
  - April 17<sup>th</sup> 21:00 – 22:50 UTC due to power outage
  - February 5<sup>th</sup> – February 7<sup>th</sup> due to hard drive failure
  - December 11<sup>th</sup> 2013 14:00 – 19:00 UTC upgrade
  - October 29<sup>th</sup> 2013 14:00 – October 31<sup>st</sup> 19:22 UTC maintenance
  - July 11<sup>th</sup> 2013 15:00 – 20:00 UTC maintenance

# State of Radar Downloads

- Most radar data is downloaded on a daily basis.
- Ker, zho build up backlogs due to network connectivity issues to the radar site
- Last date of radar data (full days worth):
  - San: end of February 2014 (known radar issues)
  - Ker: mid-March 2014 (bandwidth limited)
  - Sye, sys: end of April 2013
  - Zho: end of April 2013 (still uploading at press time)

# Month rawacf.bz2 data - 2013





# Action Items

- Current Issues the DDWG is working on
  - Clearing up USask data corrected for receiver delay error
  - Identifying other radars that may be effected by receiver delay error?

Send email to [darn-ddwg@lists.le.ac.uk](mailto:darn-ddwg@lists.le.ac.uk) for questions/comments

# Kathryn McWilliams' Follow Up Notes

Kathryn >>

I don't have many notes from the working group, but here's what I took down.

- Problems: France - very slow connection, not useable; China - slow upload and download; South Africa - speed issues
- NICT has capability to have master/mirror (contact: Tsutomu Nagatsuma)
- PLAN:
  - continue as we are for now
  - Nagatsuma-san, Mervyn and Kathryn have action item to determine which rardars would go to which hub
- ACTION - email PIs to find out if any still need HD distribution
  - will arrange individually