

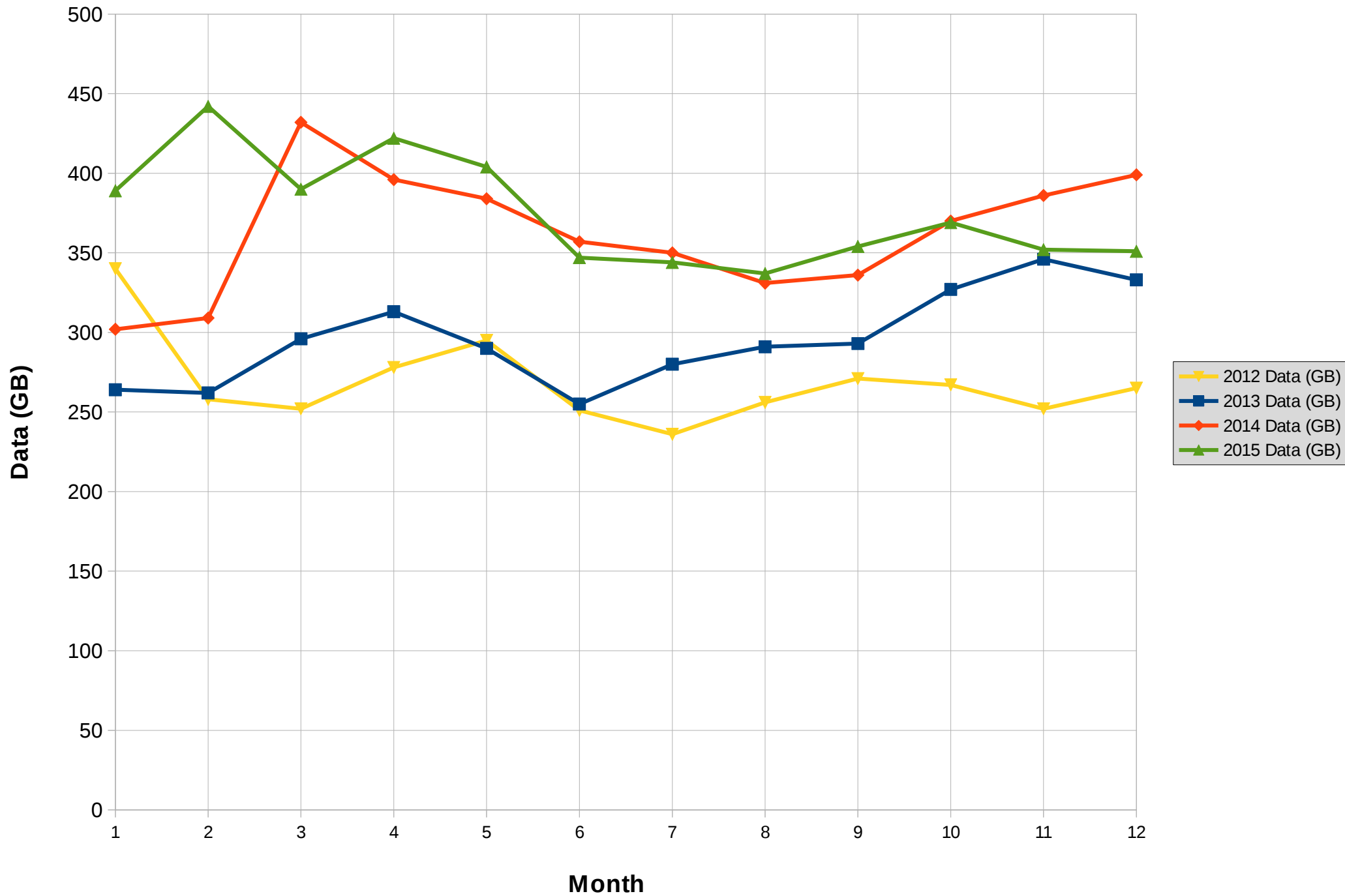
SuperDARN Data Distribution Working Group Report

SuperDARN Workshop
Fairbanks, Alaska
June 2016

DDWG: Summary

- Hard drives written and distributed on a request basis
 - Only PRIC requested hard drives for 2015
 - 1 drive for January – April 2015 data shipped
 - 1 drive for May – August 2015 data shipped
 - 1 drive for September – December 2015 data shipped

Month rawacf.bz2 data on UofS Mirror - 2012/2013/2014/2015



BAS Data Mirror

- Currently under construction
- UofS has an account for two-way sync
- PRIC has an account for data upload
- Complete data from 1993-2015 available
- Subset of 2016 data available
- Currently syncing from PI institutes
 - BPK, DCE, HAL, HAN, KER, LYR, PYK, SAN, STO, ZHO
- Work-in-progress to sync from PI institutes
 - SYE, SYS, TIG, UNW, KSR, HOK, HKW
- Currently syncing from UofS
 - ADE, ADW, CLY, CVE, CVW, FHE, FHW, INV, KOD, PGR, RKN, SAS
- Setting up secure accounts for general access is in-progress

UofS 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:
 - June 27th 2015 – 10 hrs Planned power outage for building hosting data centre
 - July 15th 2015 - 7 hrs unplanned due to HW failures
 - August 29th 2015 – 10 hrs Planned power outage
 - September 14th 2015 – 9 hrs planned for patching
 - October 27th 2015 – 4 hrs planned for HW replacement
 - **March 15th 2016– present** – Unplanned degraded/non-existent performance

Issues

- Several issues worked through over the email list
 - #2 – (Ongoing issue) non-'fixrawacf' version of files fixed on mirror
 - #8 – 6087 files added to mirror (from 2006-2010)
 - #9 – Blacklisted empty cve/cvw files (20131018)
 - #10 – Fixed pgr data with corrected frang and lagfr
 - #11 – Hal data incorrectly labeled as bpk
 - Various updated files with known good versions
 - hdw.dat files updated (bks, inv, kap, sas, sto) lat, lon, alt changes

<http://vt.superdarn.org/tiki-index.php?page=Hdw.dat%20Updater>

Future

Univ. of Saskatchewan mirror storage facility
changes by Dec 2016

Globus as a tool for file transfers

See Globus.org

See

<http://vt.superdarn.org/tiki-index.php?page=Data+Dist+Working+Group>

For updates on the ddwg.

Silo status page – May 13th 2016

Hi all,

SILO storage has reached 87% capacity which is over the recommended utilization. We have also experienced large number of disk failures during the last week and are currently conducting rebuilds. SILO will be running at a sub-optimal level for some time until we finish the space re-allocation and disk re-builds.

Thank you for your patience during this time.

https://www.westgrid.ca/support/system-status/silo_performance_suboptimal