DDWG Semi-annual report - 202310

Authors: Kevin Krieger, Fuli Ma

With information from the period April 16 2023 - September 30 2023

Executive summary

There was little activity in the DDWG this reporting period due to extensive fieldwork for the period following the workshop. The chair, Kevin Krieger, stepped down and a new chair, Fuli Ma, is taking over. The outstanding issues are listed below, most were discussed from the workshop.

General Announcements

1. Gaps reconciliation for 2022 needs to be completed
2. DDWG should research what data checking is done with pydarnio
3. DDWG should collate and make available information about how each mirror checks files. See the DDWG github appendices for more information.
4. DDWG should discuss and decide upon policy for using mirrors to distribute SND files (sounding files) and provide PI group with recommendations
5. An updated data flow diagram was created by Simon, and sent to the mailing list
6. CVE/CVW files need to be updated on the BAS mirror, and therefore also on the NSSC and USASK mirrors. Simon has provided changed files for BAS
7. Some DMAP issues with PGR/CLY/RKN files have caused segmentation faults in RST, investigation is required.

There is an RST function that was updated in 2019 that catches some DMAP errors : <https://github.com/SuperDARN/rst/pull/221>