The Impending Data Distribution Catastrophe

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Possible Problems

- Improvements to the APL–Saskatoon data processing / distribution system have increased the amount of data we can effectively handle. However,
  - volume of data is ever increasing and straining the system.
  - ‘stereo’ CUTLASS & King Salmon radars \(\rightarrow\) big impact.
  - Modes that collect a lot of data: (e.g., HTR, XCF, special modes) have a huge ‘cost’ when run on 8 to 11 radars.

- The benefits of high data rate modes should be weighed against impact to the system.

- Further improvements or alternatives to the current processing / distribution system should be considered.
The total data rate is increasing with added radars and increased activity.

We will most likely experience periods this year where 2 days of data comprise a standard set up FIT and DAT tapes.

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