

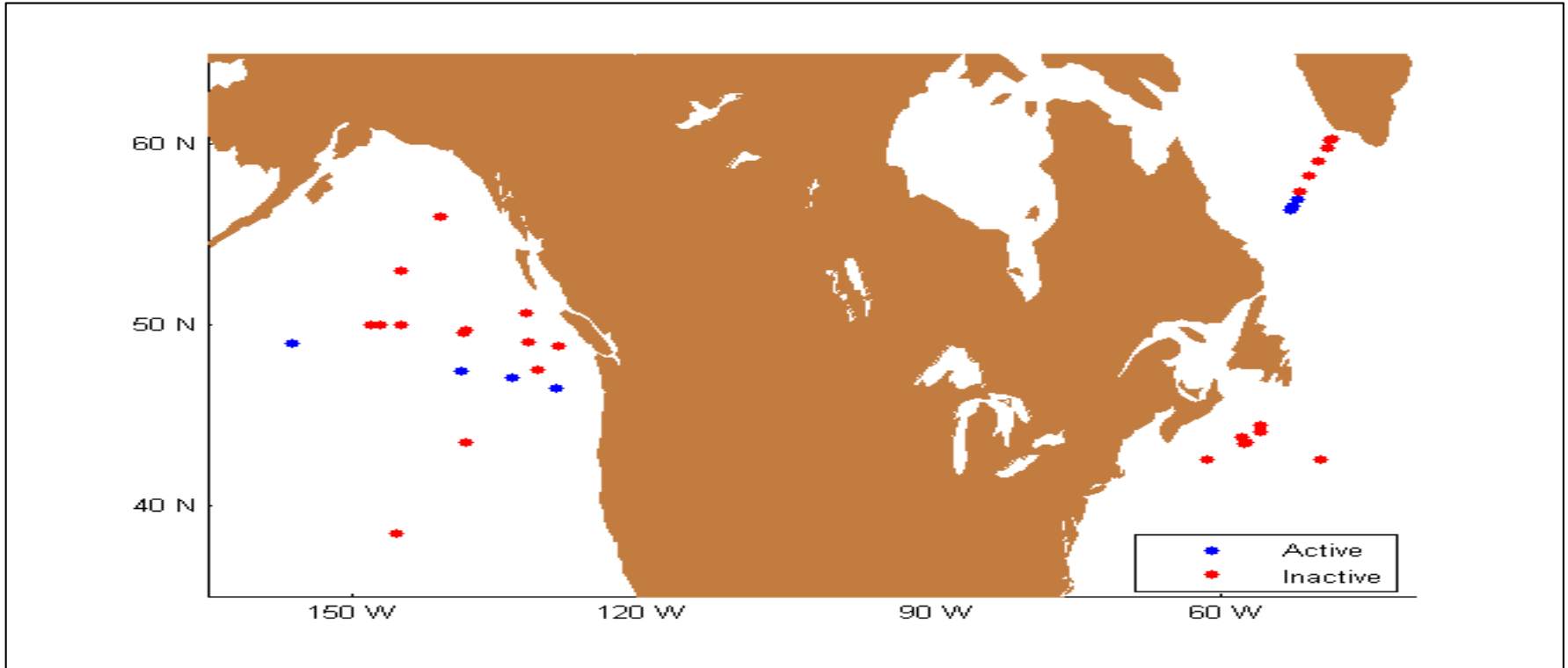
BIO-Argo Data Management in Canada

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Introduction



- Canada deployed 33 floats with DOXY sensor
- Our earliest DOXY float deployments was in May 2004

- Float types:
 - 26 Apex floats with Oxygen Optode 3830 sensor
 - 6 floats measured: PRES, TEMP, PSAL, and Optode DOXY and TEMP during the profile and surface phases
 - 11 floats measured: PRES, TEMP, PSAL, Optode Bphase and temperature during profile and surface phase
 - 7/8 DOVA float from MetOcean used Sea-Bird SBE 41CP CTD sensor and SBE63 Optical Dissolved Oxygen sensor measured PRES, TEMP, PSAL, DOXY

Data Management

- Real-time data management:
 - Assembly profile data from raw
 - Perform automatic QC tests listed in the Argo quality control manual version 2.9
 - Convert data to NetCDF format version 3.1
 - Send Doxy data on the GTS in BUFR format
- Delayed Mode data management
 - For Doxy floats with Optode sensor 3830, we plan to correct DOXY based on in-air measurements
 - For DOXY with SBE 63 ?