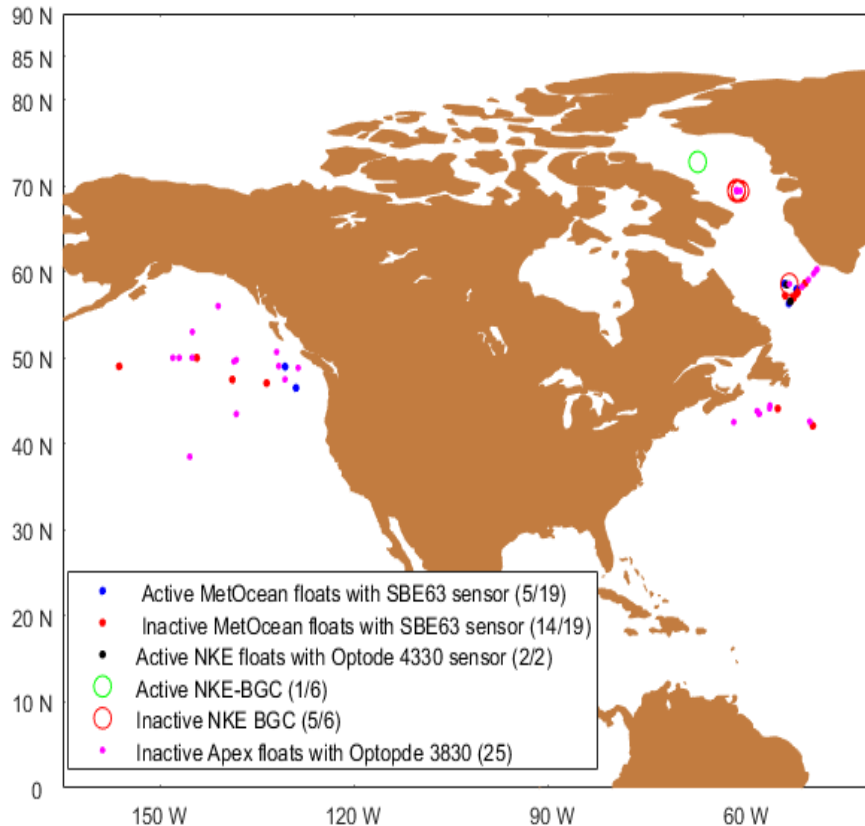




Bio-Argo Data Management in Canada

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ADMT20, Villefranche-sur-mer
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BGC Float Inventory



- 25 inactive Argo floats with Aanderaa Optode 3830 deployed before 2007
- 5 active and 14 inactive floats with SBE63 sensor.
- 2 active NKE floats with Aanderaa Optode 4330 sensors
- 1 active and 5 inactive NKE BGC floats whose data are managed by Coriolis.

Data management

- Real-time data management
 - Data from DOXY floats are processed at the same time as core-Argo floats.
 - Argo real-time quality control tests are automatically applied on the vertical profile.
 - Data are sent to GDAC in NetCDF format version 3.1, and to the GTS in BUFR format.
- Real-time adjustment on DOXY (to come)
 - Using SAGEO2Argo to calculate the gain coefficients for floats who don't have in-air DOXY measurements.
 - Scoop Argo and In-house software are used to visualize and quality control the profiles.

Delayed mode updates

- 25 floats equipped with Aanderaa Optode 3830
 - 16 floats have been visually QC, and their DOXY data were adjusted using Bittig et al method. Data for these floats are available in “A” mode at GDACs.
 - 5 floats had DOXY adjusted using Johnson et al method. One float is un-adjustable due to poor data quality. D-files for these floats are available at GDACs.
- 19 floats equipped with SBE 63 sensors
 - 7/19 floats have been visually QC but have not been adjusted

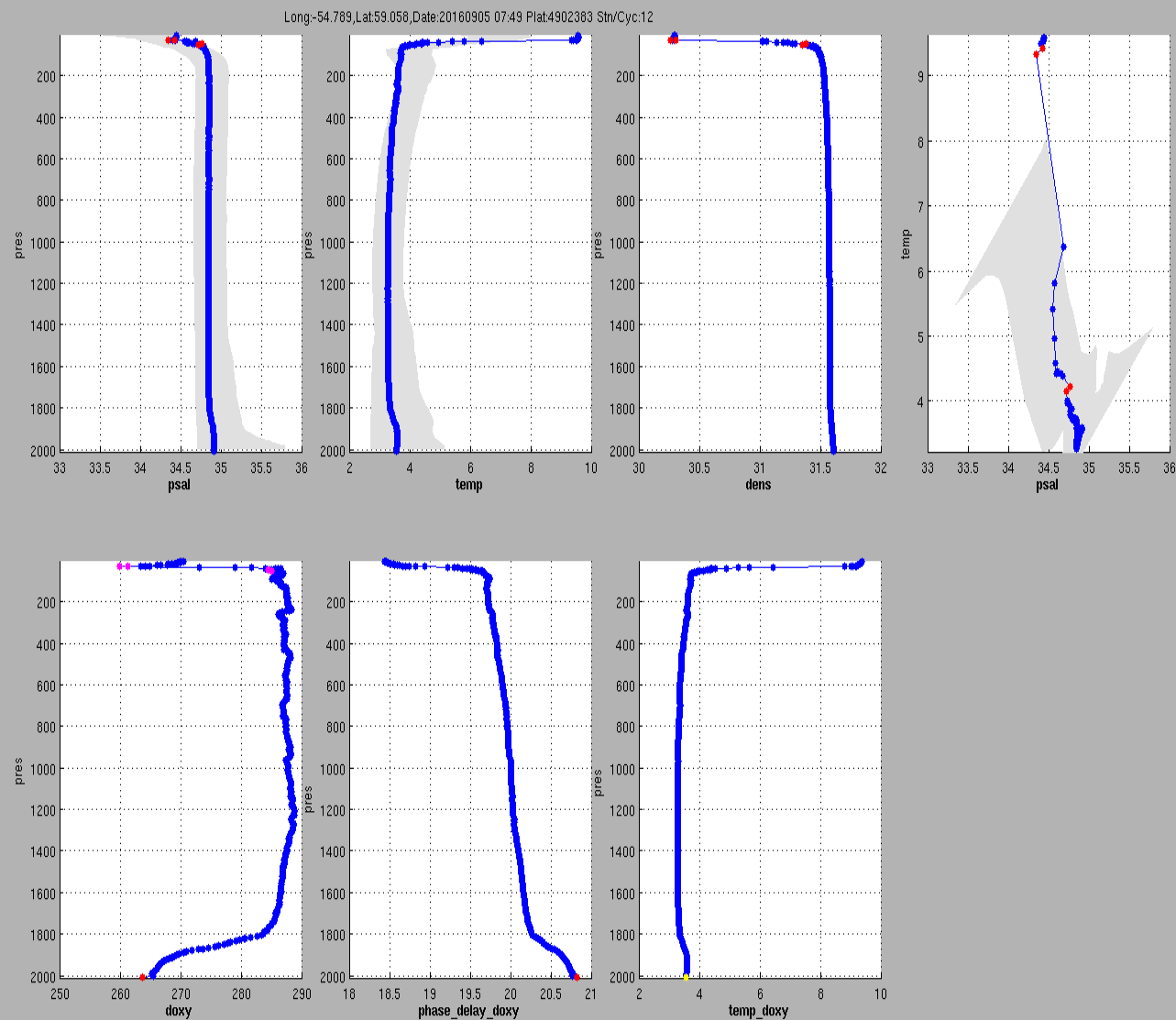
Future plans

- Deployment
 - In 2019-2020, we plan to deploy about 7 NKE Argo floats equipped with Aanderaa Optode 4330 sensor.
 - We are planning to deploy 1-2 BGC Argo float in Small Island Developing States as part of Canada commitments under G7.

Thank you

Figure 3

File Edit View Insert Tools Desktop Window Help



Flag points (q to stop)

Flag points by polygon

Flag all to #
☐ 1 ☐ 2 ☐ 3 ☐ 4☐ Apply to all plots☐ Apply to both axes

Axes to flag

☒ x ☐ y☒ Link axis y-extents

Skip to another profile

Next profile

Previous profile

Next profile with flag > 1

End

Cycle number

Go

Escape to keyboard

Quit visual QC