

## **Announcement of the 6<sup>th</sup> Argo Delayed-mode QC Workshop for CTD data**

**To be held in 2018, in conjunction with the ADMT Meeting – dates to be determined**

**Convenors: Annie Wong, Brian King**

### **Rationale**

It has been 10 years since a multi-day Argo DMQC Workshop was held (Seattle, September 2008). Since then, several veteran delayed-mode operators and scientists have departed, and new operators and scientists have joined the group. The Argo data system has become more complex, and new tools are needed to interact with the V3.1 netCDF files. More importantly, recent analyses indicate that a significant portion of SBE CTD data show conductivity sensor drifts that are towards high of correct. Some of these salty drifts appear rapidly early on in a float's life, but others exhibit themselves slowly, and often take 5+ years to manifest in the data. The detection of these slow salty drifts therefore is complicated by ocean variability as the floats traverse multiple water masses over the course of several years.

The 6<sup>th</sup> Argo Delayed-mode QC Workshop is therefore being planned for 2018 to address these issues. The goals of the workshop are to provide an opportunity for anyone currently involved in the Argo CTD delayed-mode process to meet and exchange knowledge and tools, to discuss common difficulties, and to establish a means of communication heading into the future.

### **Agenda**

Agenda of the workshop will include, but not limited to, the following topics:

- Review characteristics of conductivity sensor drifts
- Review experience of OW software and other variations
- Review regional oceanography in the context of detecting conductivity sensor drifts
- Review reference databases: CTD\_for\_DMQC, Argo\_for\_DMQC, other regional databases
- Review tools for interacting with V3.1 netCDF files, GUIs, code-sharing, etc
- Miscellaneous: frequency of DMQC salinity adjustments; salinity error estimation; interaction with the real-time data stream; difficulties with D-files in V3.1; etc.