

**Fourth Argo Delayed-Mode Quality Control Workshop (DMQC-4)
Toulouse, France, 28 September 2009**

Convenors

Annie Wong, UW, Seattle, USA
Brian King, NOC, Southampton, UK

Agenda (as of 21 Sept 09)

Morning session (8:30 am – lunch)

- 1) **Introduction**
- 2) **Pressure correction in delayed-mode**
 - 2.1) Review the Druck microleak problem in SBE CTDs – implications for delayed-mode qc.
Annie Wong for Steve Riser & Dana Swift
 - 2.2) The APEX uncorrectables (Truncated Negative Pressure Drifts – TNPDs):
 - Review other independent analyses that can detect suspicious floats.
Stephanie Guinehut; Dean Roemmich for Josh Willis & Megan Scanderbeg
 - How to qc APEX TNPDs? T-S alone cannot detect pressure errors $< \sim |20|$ dbar.
All APEX groups need to qc TNPD floats in delayed-mode in a consistent manner.
 - 2.3) The APEX correctables – any problems with the agreed delayed-mode procedures?
See Argo QC Manual Version 2.4, p.17-19.
 - 2.4) Progress report from each APEX group.
See notice posted on www.argo.ucsd.edu on 8 December 2008.
http://www.argo.ucsd.edu/Acpres_drift_apex.html
 - 2.5) Do SOLO, PROVOR, NEMO, NINJA need additional pressure qc to detect Druck microleaks?
 - 2.6) How the German NEMO floats handle surface drift. *Birgit Klein*

Afternoon session (after lunch – close)

- 3) **CellTM correction coefficients update. *Greg Johnson***
- 4) **Editing real-time QC flags in delayed-mode. *Virginie Thierry***
See reports from AST-8 & AST-10
- 5) **How to review the delayed-mode dataset – regional analysis? *Paul Robbins***
- 6) **Miscellaneous issues**
 - 6.1) D files format errors. *John Gilson*
 - 6.2) A dedicated DMQC website? Regional parameters & characteristics, related literature, e.g. on climate change, etc.
 - 6.3) Time delay in re-processing D files; e.g. after feedback from altimetry QC.
 - 6.4) Interactions between the DMQC group and the rest of the ADMT: the real-time DACs, the ARCs, the AIC, the altimetry community, etc.