Annex 4 – First Argo DMQC Workshop action list

Action Number	Description	Status as of 2 Oct 2005
1	B. King and A. Wong to ask the ADMT (i) to improve the real-time density inversion test, with input from interested scientists; (ii) to instruct DACs to include information about the real-time qc test failures in the HISTORY section of the netCDF files; and (iii) to instruct DACs to arrange the multi-profile files in sequential manner according to cycle number.	Several interested scientists have been contacted regarding the density inversion test. To be discussed during ADMT-6.
2	B. Owens and A. Wong to work on a unified software that combines the good features from both WJO and BS.	Software under construction by B. Owens and A. Wong.
3	B. Owens to explore objective methods for dividing float series into discrete segments and to make code available.	Software under construction by B. Owens and A. Wong.
4	A. Wong to prepare code to record details of sliding window and other computational parameters (e.g. mapping scales) into SCIENTIFIC_CALIB_COMMENT.	Will be done before ADMT-6.
5	B. King to refer question of PRES errors in APEX floats to the APEX Workshop, to be held at the University of Washington in September 2005. Also, B. King to request that APEX floats be modified to report surface pressure, if they don't already, and reset it to surface pressure.	B. King has referred question of PRES errors in APEX floats to the APEX Workshop via A. Wong. Details to be presented by N. Shikama in ADMT-6
6	B. King to talk to Mark Ignaszewski to include some kind of basic content check for delayed-mode netCDF files in FNMOC's format check routines.	To be discussed during ADMT-6.
7	Coriolis (i) to have ready by the next ADMT a proposal for managing and formatting reference datasets to include a unique data ID and metadata; and (ii) to host a central location to provide access of latest copies of reference datasets, such as SeHyd.	Action started with NODC
8	A. Wong and/or B. King to communicate DMQC Workshop proposals to the RDACs at the next convenient venue.	To be discussed during ADMT-6
9	Coriolis and Meds to undertake hindcast studies to investigate the best and most practical way of applying salinity adjustment in real-time. These can be extrapolation using offset and drift rate from the last delayed-mode assessment. They will also conduct investigation of a threshold above which a float should go on the grey list. A proposal will be put forward in the next ADMT meeting to be discussed with real-time operators.	Presentations are planned for ADMT-6.
10	ADMT co-chairs to write to DACs to ask them to consider how to implement salinity adjustment in real-time, so that it can be implemented soon after the next ADMT meeting if approved.	This will be done at ADMT-6.
11	Delayed-mode operators and PIs agreed to review the salinity adjustments submitted so far, and prepare and submit new D files where necessary. Revised D files submitted before 1 January 2006 can be written with a single new HISTORY entry. After that date, HISTORY must be accumulated. The latest revision date will be recorded in CALIBRATION_DATE and DATE_UPDATE.	DACs to report on their progress during ADMT-6.
12	A. Wong to revise the User Manual, the QC Manual and the Gould simple users guide to reflect latest agreed delayed-mode practice as well as to warn users that delayed-mode data are regularly updated. A section on float behaviour/failure modes is to be included in the QC Manual.	Revised QC Manual and Users Manual to be finalized during ADMT-6.
13	B. King to ask GDACs to consider the issue of version control of data.	To be discussed during ADMT-6.

14	A. Wong and B. King to prepare a short article for the next Argonautics about the conclusions of the workshop. They will draft a short statement to appear on the GDAC sites concerning the need for users to be alert to the version control issue.	Done
15	Experiments of inclusion of Argo data in delayed-mode salinity adjustment to be undertaken and reported to next ADMT and AST by S. Joseph and A. Wong for Arabian Sea; B. King for Southern Ocean; B. Klein for the Weddell Sea; V. Thierry for the North Atlantic.	Presentations are planned for ADMT-6.
16	AST co-chairs to discuss/clarify with NODC which Argo profiles should be included in the next release of WOD.	Started
17	D. Roemmich to ask the AIC to compile statistics on the percentage of eligible profiles that have been submitted with DATA_MODE = ‘D’. Profiles older than 15 months are considered ‘overdue’.	Presentation is planned for ADMT-6.
18	AST to include the topic of variable-depth profiling on the agenda of the next AST meeting.	January 2006 AST meeting
19	B. King to ask AIC if they can easily produce a map showing distribution of floats with a variable-depth profiling strategy.	January 2006 AST meeting