

# Agenda of the 7<sup>th</sup> Argo Data Management Meeting

27<sup>th</sup> October 2006

## Objectives of the meeting

- Review the actions decided at 6<sup>th</sup> ADMT meeting to improve Real-Time data flow (considering all aspects of the system from transmission from the float to arrival at GDAC and accessibility of data by users)
- Review status of Delayed-Mode quality control after DMQC-2 meeting in WHOI and take necessary actions to move to systematic implementation
- Review the metrics regarding Argo program to document future (and if possible past) growth and performance of:-
  - the Argo array
  - the Argo data system (performance indicators, problem reporting)
  - the uses being made of Argo RT and DM data ( user monitoring)
  - visibility to scientific and operational results achieved thanks to Argo program and ensuring the visibility of these metrics.
- Review the Regional Data Centre status, their implementation plan and the difficulties they are experiencing.
- Review and take steps to put in place appropriate Argo data archive functions including the detailed specification of possible distribution of Argo data and analysis tools via DVD

**Schedule:** Meeting will start at 9am and finish around 1730 on Wednesday and Thursday. We plan to finish around 1400 on Friday to allow people to catch plane more easily.

## **Wednesday 1<sup>st</sup> November**

**The meeting will be opened Prof. Shaohua Lin, as director General of NMDIS , together with Mr.Haiqing Li,Director-general of the Department of International cooperation, SOA and Mr. Xiaoming LI, Director-General of the Department of Marine Environmental Monitoring,SOA.**

### **1. Feedback from 7th AST meeting : (30mn ) Howard Freeland**

#### **1. Status of Argo Program ((1h 1/2)**

*The Argo Technical Coordinator will report on the status of the Argo program and on the development of the Argo Information Centre. The implementation of metrics defined by the ADMT to monitor the performance of the data system will be discussed. The results of the Argo users survey and the proposal for a problem reporting mechanism will be presented. The ADMT will discuss on how to improve the communication on Argo and facilitate the access to scientific products.*

*Status on the actions 4,6,7*

- **Review of the Action from last ADMT (S Pouliquen)**
- **Argo Status (M Belbéoch)**
- **Development of the AIC (M Belbéoch)**
- **Communication with users (M Belbéoch)**

## 2. Real Time Data Management (2:00 hours)

*Review the Argo real time data stream, the status of actions from ADMT-5 and identify new actions needed to improve the volume, timeliness of delivery and quality and ease of Argo RT data.*

6<sup>th</sup> meeting Actions:5-13-17-18-19-20-21-29-30-31-32

- Real-time availability: 15mn (M Belbeoch )
  - Argo floats only available on GTS and not at GDAC
  - Historical Dataset action 5
- GTS status: 30mn
  - Timeliness of data delivery: Review evidence provided by the MEDS statistics on the timeliness of data delivery via GTS. (A Tran)
  - Real Time processing correction at CLS- Actions 30-31 ( P Gros)
  - Status GTS problems - Actions 29-30-31-32 (M Ignaszewski)
- Distribution to GDAC (C Coatanoan): 30mn
- Consistency of RT QC checks between DACs ( C Coatanoan) - Action 20: 20mn
- Correction in RT of pressure for APEX floats using the SURFACE-PRESSURE technical parameter ( A Tresher) Action 17: 15mn
- GODAE –QC pilot project (M Ignaszewski on behalf of J Cumming ) 20 mn

## 3. Trajectory from Argo data (1h)

- Feedback from Trajectory Workshop in Korea - Action13 (B King)

## 4. GDAC Services (1h)

*What's new at GDACs and Improve services for users.*

6<sup>th</sup> meeting Actions: 2-3-12

- What's new at Coriolis and US Gdacs (T Carval, M Ignaszewski)
- Dfile version tracking ( S Pouliquen)
- Status of GDAC synchronization improvements (Mark Ignaszewski)
- New needs?

## *Thursday 2<sup>nd</sup> November Morning*

### **5. Format issues (2H00)**

*While format is pretty well standardized for measurements and qc flags, experience at GDACS shows that there are discrepancies both at metadata and technical and history levels that ought to be resolved to the benefit of the community. A lot of discussions occurred by email during the year but decisions need to be taken.*

6<sup>th</sup> meeting Actions: 10-11-14-15-16

- BUFR Format (T Yoshida)
- "Highly" desirable metadata fields/ extension to other file types.
- Technical Files ( A Tresher)

### **6. Delayed mode data management**

*Action items: 22 23 24 25 Agenda to be proposed by Brian and Annie.*

*The goal is to provide a feedback for the DMQC-2 meeting and to take decision on action plans at ADMT level.*

- a. Review status of D files at GDAC (B King) 1h**  
Summary of DMQC-2 (ADMT-6 action item #25)  
Peer review of D files (ADMT-6 action item #23) & progress from intercomparison exercise (AST-7 action item #7, repeated in #51)
- b. Testing the new WHOI salinity calibration tool (ADMT-6 action item #22) (A Wong) 30mn**
- c. Delayed-mode qc for dissolved oxygen (Taiyo Kobayashi) 30mn**
- d. Other recommendations from DMQC-2 (B King) 1h**
  - Real-time salinity drift & offset adjustment (ADMT6- action 18)
  - Real-time thermal mass adjustment (AST-7 action items #4 & #5, repeated in #31 & #32)
  - Real-time pressure adjustment for Apex floats
  - Inclusion of "good" Argo profiles in reference database
- e. Other issues (A Wong) 30mn**
  - Compulsory fields to be filled in "D" files (ADMT-6 action items 11 & 12)
  - Other recommendations to GDAC file checker for "D" files
  - Some glitches from the May 06 format change
  - Argo QC Manual, extra statement to be inserted in GDACs & QC Manual

### **7. Progress on Argo Reference data base (1h)**

*Action items 26-27-28*

- Summary of the actions since ADMT-6 (S Pouliquen) 15mn
- Recommendation from DMQC-2 for a central reference database: baseline, future update, naming convention, etc ( A Wong) 30mn
- discussion

## *Friday 3<sup>rd</sup> November*

### **8. RDACs: provide an information on what done and what is planned (3h30)**

*Each RDAC is invited to provide information on the progress made during the past year especially to start implementing the mandatory activities*

RDACS status and plan (30mn per RDAC)

- Atlantic ( S Pouliquen & C Schmid)
- Indian ( M Ravichandran)
- Pacific ( J Potemra )
- Southern Ocean ( L Rickards)

### **9. GADR (1h)**

*Status on Argo DVD, plans for regional versions. GADR progress to comply with Argo requirements.*

- The Argo DVD, issue of regional versions (C Sun)
- Status of the Archiving centre (C Sun)

### **10. Other topics**