
**ARGO DATA MANAGEMENT REPORT
FRENCH DAC**

Argo National Data Management Report of France

November 1st 2003 - September 21st 2004

The French Argo data management activity is supported by the Coriolis data centre which acts as part of the Coriolis project – french project for operational oceanography

Status of the DAC

- Data acquired from floats
November 2003 to end september 2004
Profiles controlled : 5711
Floats reporting : 230

October 1999 to end september 2004
Floats deployed 427
Profiles controlled : 16666
Inactive floats : 197

Coriolis data center is the French data assembly center (DAC). For the moment we process data from 110 Provor , 110 Apex floats, 8 Metocean / provor floats and 2 NEMO. These floats are deployed by national programs from 8 countries and 16 scientific projects.

See figure 1

During the past year, in coordination with CLS Argos we have processed Apex 28 bits format floats which are not hosted by a national DAC.

Since the past report, we don't process anymore Indian floats data. India has developed its own DAC .

For the moment the Coriolis data centre is able to process:

- 11 different format for Apex
- 6 different formats for provor
- 2 formats for Metocean
- 1 format for Nemo

Country	Active floats	Total floats
Korea	13	16
China	9	18
Netherlands	3	3
Spain	9	9
Germany	56	128
France	95	147
European Union	45	101
Denmark	0	5
Total	230	427

Scientific project	Active floats	Total floats
Argo Kordi	13	16
Argo Greenland	0	5
Argo Spain	9	9
BSH	29	34
CICIO	4	15
CMGP	6	15
CORIOLIS	41	82
Argo Dutch	3	3
ETO BB	15	19
FLOSTRAL	26	30
GOODHOPE	13	16
GYROSCOPE	36	88
IFM	15	37
Argo China	9	18
MFSTEP	9	13
WECCON	2	27
Total	230	427

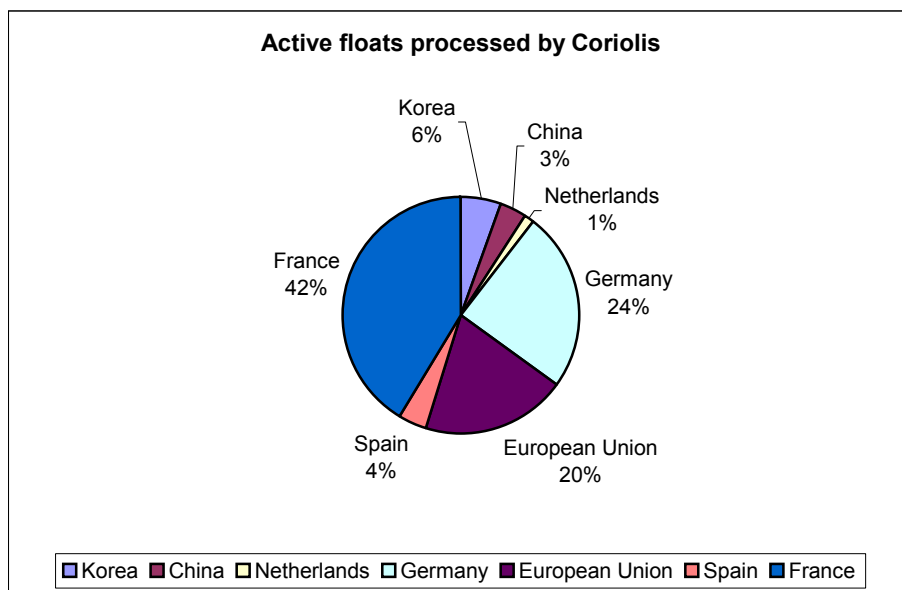


Fig. Active floats processed by Coriolis

- Data issued to GTS

All data processed by Coriolis are distributed on the GTS by way of Meteo-France. This operation is now automatically performed. After applying the automatic Argo QC procedure, the Argo profiles are inserted on the GTS every 2 hours. So, Argo profiles are now inserted on the GTS 365 days per year, 24 hours a day.

- Data issued to GDACs after real-time QC

All meta-data, profiles and trajectory data are sent to Coriolis and US-Godae GDACs. This distribution is automated.

Technical data are regularly issued to the GDACs

- Data issued for delayed QC

All profile files are sent to PIs for delayed QC. Most of the Atlantic data handled by Coriolis are checked by the European project Gyroscope.

- Delayed data sent to GDACs

Annie Wong et al method has been adapted to North Atlantic environment to produce the delayed mode data for Gyroscope project. The method adapted by Lars Boehm from IFM-Kiel is being applied.

Within the European project Gyroscope, each float has been scrutinized (coordination between the PI and the data centre). The delayed mode data will be implemented in the database, the generation of the corresponding files will be done and delivered to the GDACs before the end of september

- Web pages

The web site of the French DAC is available at : <http://www.coriolis.eu.org/cdc/>

It provides :

- Individual float description and status (meta-data, geographic map, graphics : section, overlaid, waterfall, t/s charts)
- Individual float data (profiles, trajectories)
- FTP access ;
- Data selection tool ;
- Global geographic maps ;
- Weekly North Atlantic analyses (combines Argo data and other measurements from xbt, ctd, moorings, buoys) ;
- Some animations.

Since last report, new functionalities have been implemented on the Coriolis web site:

- Argos transmission statistics:
http://www.coriolis.eu.org/cdc/reports/cdcStatistics_coriolis.asp

- Overview of the different Apex and provor formats processed at the Coriolis data centre:

<http://www.coriolis.eu.org/cdc/reports/cdcDataCenters.asp>

