

Maintenance Training (September 20-22th 2010, Météo-France Toulouse)

Monday September 20th

General presentation of phasing procedure: 9h-11h

- Objectives and generalities about phasing _
- General description of phasing roadmap
- Presentation of GCO's implication in the phasing and gestion of the code _

Code issues 11h-12h

- Description of the general architecture of the code
- Description of different configurations

Code issues 14h-18h

- Organization of the time step
- Preprocessing and format of observations for assimilation (Bator, Oulan...)
- 3DVar
- Coding norms and rules (actualized in the framework of OOPS)
- Development constraints (including presentation of constraints due to shared code with Arp/ Ifs)
- OOPS and basis on object oriented programming

Tuesday

Presentation of phasing tools 9-12h:

- ClearCase (View history of modifications, creation of a new branch...)
- Mitraillette validation's tool
- Execution and validation during phasing (DrHook, output files)
- Local Validation to the reference, OpenMP, optimization
- Hirlam experiences on remote maintenance of the code

Practical exercices 13h30-18h:

- Phasing exercices (including use of clearcase) in different situations (merging problems, and not necessarily bugs...)
- Presentation of gmckpack and installation of a cycle (or a subproject) on PC with gmckpack

Wednesday

Practical exercises 9h-10h30

- Continuation of the phasing exercises started on Tuesday-Answer to encountered problems.

Discussion 10h30-12h

Closure of the meeting