

Phasing exercices

Maintenance training (September 20-22th)

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1 Introduction

These two exercices are adapted from real phasing situations that occurred during phasing of cy36t2. The main aim of this exercise is to check that the cycle is ok and then to manage to detect the bugs (if there are some!) using the common phasing tools.

2 Preliminary tests using mitraille

Install mitraille for cy36t2 on yuki following the steps described in the presentation and in the documentation from by Karim Yessad. (Documentation is available on gmapdoc). For the first exercise you'll need to test cy36t1_t2.00 and cy36t1_t2.04, therefore create two PRO_FILE files with only experiment AR1T, and use mitraille to create two TEST.xxx scripts (one for each release). The outputs of the mitraille jobs have to be compared with XXX

Just take some time to look at the job's outputs and feel free to ask some questions!

3 Exercise 1 : validation of cy36t1_t2.00

As you may have noticed one of the configuration of AR1T is crashing in the mitraille tests : where is the bug coming from ?

You will find a list of the contributions that entered the cycle on GCO's website (usually phasers get an email, each time a version of the code is released) : http://gco.meteo.fr/cgi-bin/gcodb/view.pl?cy36t1_t2.00.src

4 Exercise 2 : validation cy36t1_t2.04

You'll find the mitraillette results for cy36t1_t2.03 on yuki. Compare the outputs from your run with these outputs. To diagnose the problem, try to identify which contributions that entered cy36t1_t2.04 may be responsible for the observed differences. Then using `clear_case` and `gmkpack`, create a binary based on cy36t1_t2.03 with one of the contribution and repeat the tests to see if the problem still remains.

(If you don't have enough time, different groups can test one or two contributions separately and share the results)