Prepration of radar data for data assimilation

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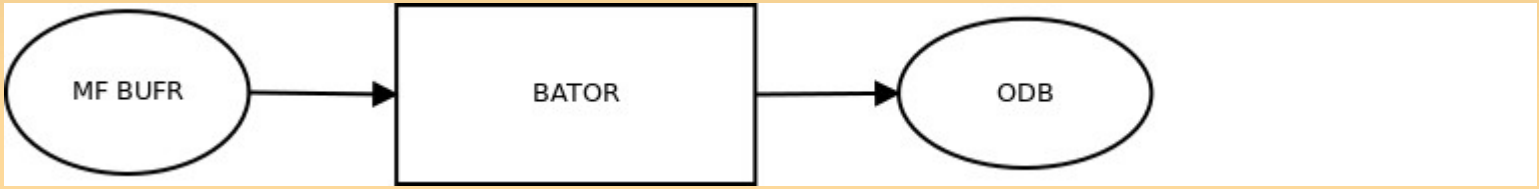
How does it work?



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CONRAD

- METNO converter of radar data format

Radar data reader

- C++
- Main classes:
  - ClssRadarMeasurement (volume scan)
    - Base classe for reading other radar data formats.
  - ClassCartesianProduct
    - Converts from polar to cartesian coordinates.
  - ClassRadarPPI
    - has methods for connection with CONRAD
- It is build in CONRAD.

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Two ways how to do it

1. Ask local radar expert to make MF BUFR for you.

2. Use CONRAD.

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First method: use local expert

- She/he already has some software.
- After some time you will have converter from lokal format to MF BUFR.
- She/he will have to maintain the software.

Second method: use CONRAD

- It is easy to put local radar data in it.
- Maybe it can already read your format.
- Maintanance is shared with other users.
- Common preprocessing is built in it.
- New OPERA HDF5 format is expected; it will be in CONRAD.

How to use CONRAD?

- Use command new_format
  - It prepares environment for your developement.
- Modify function ReadF in RadarClasses*FORMAT*.cpp
- Rebuild CONRAD
- Use CONRAD with your lokal radar data format.

A look in to RadarClasses*FORMAT*.cpp

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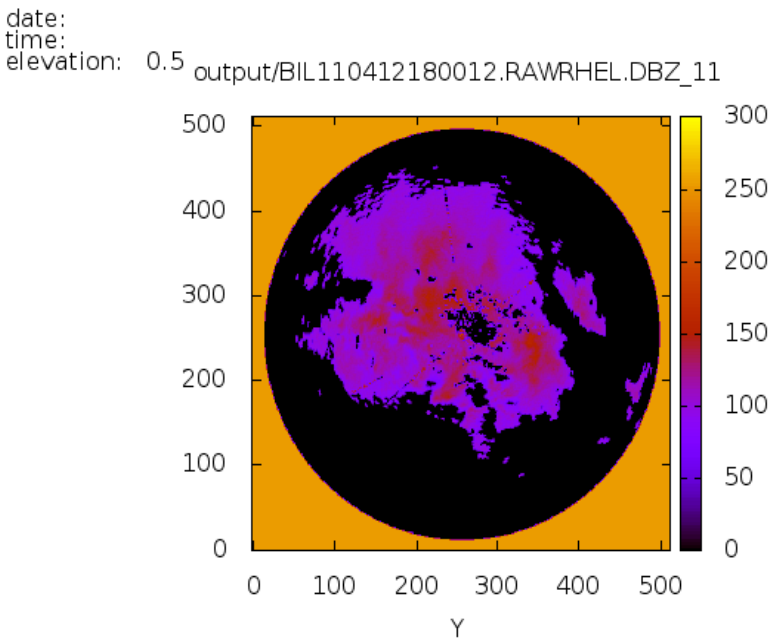

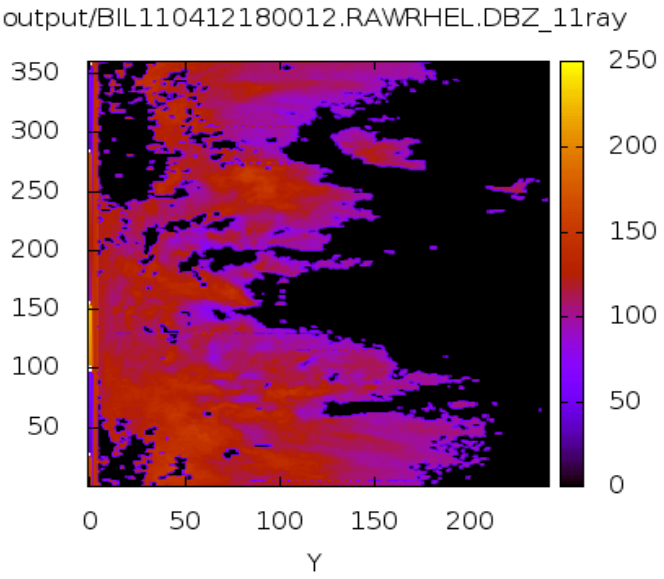

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