

AarhusInv examples files

The subfolders hold a selection of AarhusInv files for different data types (data file types: TEM, HEM, DC, etc.) and for various forward and inversion setups. The AarhusInv output files (inversion result and/or forward data) are not present, but can be generated by executing the AarhusInv with the mod-files (*.mod) in the sub-folders if your AarhusInv license allows for the specific datatype/inversion setup.

The forward and inversion setups in the mod-files are not data datatype specific, so one can just replace the data files (*.TEM, *.HEM, *.DCP) in the mod-file to use the setup for other data types.

Consult the AarhusInv manual for a detailed specification of the different file formats etc.

Hints/Notes:

- First line in the mod-file is a header text line (must be present)
- Text in the mod-file at data file after '!' are comments and are not read by AarhusInv
- For TEM-data with segmented TX-loop, it is no longer supported to have multiple moment data with e.g. different gate times, waveforms, etc. in a single TEM-file (as indicated in the manual). One must therefore place the TEM data for each moment in separate TEM files and then link the tem-files to one resistivity model in the mod-file - see the examples in the *\TEM_High_Low_moment* folder. For dual moments TEM data/systems it is always preferable to have the data for the different moments in separate TEM-files and then link the different moments/tem-files to one model in the mod-file.
- If negative input and/or output data AarhusInv must run in 'lin-data' mode instead of 'log-data' mode set "LogData=1" in con-file).
- In the case of forward data calculation (N-iteration in mod-file =-1 or 0), the data values in the data files are dummies, but must be present.