

Suggestions for organization of files/folders

It is useful to create in your computer a separate working folder for each problem (e.g. for each studied earthquake), keeping similar style of filenames, e.g. eq_turkey1, eq_turkey2.

In Matlab, user selects some of his/her working folder as a 'Current Folder' and starts ISOLA there. When running ISOLA in working folder for the first time, many sub-folders will be created automatically by GUI, e.g. 'data', 'gmtfiles', 'green', etc. When running ISOLA next time in the same Current Folder, nothing is created automatically, and the previously created folders and their content created by GUI are available for future use. Also available remain all files that user added manually.

It is useful if user himself puts some files in the root of working folder manually, such as velocity models (e.g. velocity_turkey.cru), station coordinates for larger network (e.g. network_turkey.stn), or for some station subset (e.g. turkey_select.stn). These can be also in separate subfolders (e.g. 'crustal_models') or in the root.

It is also useful if user himself creates some sub-folders manually, such as: 'data_SAC' (to store all records in SAC format), 'data_RESPONSE' (to store all response information, RESP, SAC-PZ, except isola pz files). For easy use, Isola subfolder 'pzfiles' should contain only the isola pz-files, not more files.

Remark: If various types of instruments are used in a study, and mixed, it is sometimes useful to store them separately, e.g. in folders 'data_SAC_BB', 'data_SAC_SM' for the broad-band and strong-motion sensors, respectively.

Folders 'MTs', 'liter', manually created by user, may contain various MT solutions by other agencies, and related papers/reports, respectively.

Less important: It is good, although not necessary, to create folder 'data_isola_raw' containing files ***raw.dat which normally are stored in 'invert' folder, just because in 'invert' these files are hidden among many others.

User can create manually several sub-folders in the 'green' folder (e.g. 'test01_below epicenter', 'test02_horizontal_search'), and save results of individual tests; otherwise, every new test in 'green' rewrites the previous. Correspondingly, similar folders may or should be created in 'gmtfiles', 'invert', and 'output'. It greatly helps in case that user needs to return to older tests

Polarity. If first motion polarities were read from records, U(up) or D(down) or ?(unclear), one of these three specific symbols (U,D or ?) should be placed manually at the end of lines in station.dat file, and stored (manually) in 'polarity' folder under a different name, e.g. station_polarity.dat. If not, the file station.dat is re-written when repeating the test, and polarities are lost.