Running DisMELS in Batch Mode

The idea of running DisMELS in batch mode is to make a number of essentially identical model runs that really differ only in the ROMS time at which each run starts and in the disposition of the model results files (results and connectivity results). For the latter, you can choose to have the results and connectivity results for each model run saved to different file names in the same directory or to the same file names but in different sub-directories.

1. Create a Model Controller (xml) file that will specify (most of) the characteristics of every model run (e.g. duration, integration time step, results time step, etc.).
2. Create a batch-mode csv file with the following column names (no quotes):
   1. “subDir”
   2. “startTime”
   3. “file\_ROMSDataset”
   4. “file\_Results” (optional)
   5. “file\_ConnResults” (optional)
3. For each model run you want to make in batch mode, add a row to the csv file and specify the starting ROMS time (as ocean\_time, i.e. seconds after Jan. 1, 1900) in the startTime column and the initial ROMS dataset (w/ full path) in the file\_ROMSDataset column.
   1. If you wish results stored in separate sub-directories, specify a name for the sub-directory relative to the working directory. The results and connectivity results files will be saved to the sub-directory with base names as specified in the Model Controller file.
   2. If you don’t want to save the files in the fashion described above, specify unique file names (with full pathnames or sub-paths from the working directory) in the file\_Results and file\_ConnResults. [Note: if you don’t specify unique path names, the non-unique files will be over-written at some point. This may be appropriate if, for example, you were only interested in the connectivity results files and not the full results files.]