

6.0 Instructions

This section provides instructions for various actions that a user can take while running ESPADP Batch Builder.

6.1 Opening a File

To open a file, do the following:

1. Click on **File >> Open** or press <ctrl-o>.
2. If the **Command List** has been modified since last being saved, then a dialog asking "File has not been saved. Do you wish to save?" will pop-up. Click "Yes" if you want to save or "No" if you do not.
3. A dialog titled "Open" will now pop-up. Navigate to the file you want and click on it.
4. Click "Open" if you wish to open that file or "Cancel" if you decide to not open a file.

Text will now printed to *stdout* stating "Reading in file <filename>", listing any lines that it cannot interpret (i.e. lines that are not blank, comments, commands or actions), followed by "Done" upon completion.

6.2 Saving a File

To save a file, do the following:

1. If you wish to save the file with a different filename than that displayed in the label above the **Command List**, click on **File >> Save As**, otherwise click on **File >> Save** or press <ctrl-s>.
2. If **File >> Save As** is clicked or **File >> Save** is clicked but the **Command List** does not have a corresponding filename, then a dialog will pop-up with the title "Save". Specify the file you want to save it as by navigating to the file and clicking on it or typing in the filename in the "File Name" text field.
3. Click on "OK" if you wish to save the file or "Cancel" if you decide not to save the file.

If you click "OK", the **Command List** will now be saved to the specified filename and the filename given in the label above the **Command List** will change accordingly.

6.3 Running the Batch Input File

To run the batch input lines currently displayed in the **Command List**, do the following:

1. Click on **File >> Run Batch** or press <ctrl-r>.
2. If the **Command List** has been modified since last being saved, then a dialog asking "File has not been saved. Do you wish to save?" will pop-up. Click "Yes" if you want to save or "No" if you do not.
3. A dialog titled "ESPADPBatchBuilder: Confirm Run" will now pop-up providing the command line to be executed. The ESPADP program will be executed in batch mode directly, not through the ens script. So, simply check to verify that the location of the ESPADP executable is correct and that the location of the batch file is correct. If you wish to go through with the execution, click "OK", otherwise click "Cancel".
4. If you click "OK", the command will now be executed. Any output normally sent to an output

file will, instead, be sent to *stdout*. When the run is complete, the line "Run Complete" will be printed to *stdout*.

NOTE: If you do not see the line "Run Complete" printed to stdout, then the run did not complete normally. This may mean that ESPADP core dumped or that some other error occurred. It is recommended that you verify the run by executing it manually (i.e. run the command from a prompt) and hopefully this will enable you to locate and fix the problem. If you still cannot fix the problem, report the error through the normal channels.

5. A **Batch Output Viewer** will now pop-up, listing all of the output files generated by the run. Select the files you wish to view as you would select a line of input from the **Command List**.
6. Click on "View" when the list is complete. The files will now be displayed within individual windows.
7. Click on "Close" when you are finished viewing the output.

NOTE: Output files that are particularly large may cause ESPADP Batch Builder to hang when "View" is clicked. Hence, it is recommended that you do not open up punched time series in the **Batch Output Viewer** unless you are confident that they are not overly large.

You have completed a run of the batch file input.

6.4 Inserting or Appending Commands and Actions

To insert or append a command or action into the **Command List**, do the following:

NOTE: The commands ClearGroups, AddGroup and ESPTSDir are special cases and are described in Section 6.6.

1. Select the command panel that contains the command or action you wish to insert or append by clicking on the tab that corresponds to it. See Section 5.2 for a list of the command panels and their contents.
2. Click on the check box that corresponds to the command or action. For dates, this consists of clicking on the check box next to the date format you wish to use.

NOTE: For dates, this consists of clicking on the check box next to the format you wish to use.

*NOTE: For *Text commands, this consists of selecting the text label you wish to edit from the pull-down list and then clicking the check box.*

3. Set the command value or action parameter by editing the sub-command panel as indicated by the GUI, noting the following:
 - a. Text fields that are supposed to contain a number **MUST** contain a number. You cannot leave them blank or have anything in them other than integer digits if you wish to insert or append successfully.
 - b. Selecting files consists of clicking on "Select File" and navigating to the file you wish to use. Click "Open" when you have found the file or "Cancel" to not select any file.
 - c. Add numbers to the ProbLevels command by clicking on "Add", typing in the number and clicking on "OK". To remove a number, select it and click "Remove". To remove all of the numbers, click "Clear".
4. Click on **Commands >> Insert Commands** to insert the command into the **Command List** just

before the currently selected batch input line or click on **Commands >> Append Commands** to append the command to the end of the **Command List**.

NOTE: Multiple commands and actions can be selected for inserting or appending simultaneously from a command panel. They are just inserted from top to bottom. However, ESPADP Batch Builder will only insert or append those commands covered by the currently selected command panel.

Upon clicking the menu item (or its equivalent button), if the format of the information in the sub-command panel is incorrect, an **Error Window** will open saying so. This can be closed by clicking "OK".

*NOTE: Once a command or action is inserted or appended, the value of the check box associated with the command or action will not change. Hence, you may want to uncheck the check box afterwards by clicking on it so you do not accidentally insert or append the command again. For *Text commands, you can uncheck all check boxes by clicking on "Uncheck All".*

6.5 Adding and Clearing Groups

Adding and clearing groups are all performed within the **ESPTS Files** command panel. It works as follows:

1. Select the **ESPTS Files** command panel by clicking on its tab.
2. If you wish to perform a ClearGroups action prior to adding ESP time series groups, click on the check box next to the label "Clear Before Adding".
3. If you wish to add groups from a directory other than the directory displayed under the button "Change Directory", then click on the button "Change Directory". A file dialog will pop-up. Select either the directory itself and click "OK" or select a file within the directory you wish to use and click "OK". If you decide to not change the directory, click "Cancel".

NOTE: A change to the directory will cause the lists in steps 4, 5, 6 and 7 (below) to change in order to account for the contents of the new directory.

4. Select the items in the "Segid.TSid" list that correspond to the <segment id>.<time series id> combinations of the groups you wish to add.
5. Select the items in the "TYPE" list that correspond to the data types of the groups you wish to add.
6. Select the items in the "TS" list that correspond to the time steps of the groups you wish to add.
7. Select the items in the "Ext" list that correspond to the extensions of the groups you wish to add.
8. Click on **Commands >> Insert Commands** to insert the necessary commands into the **Command List** just before the currently selected batch input line or click on **Commands >> Append Commands** to append the commands to the end of the **Command List**.

When insert or append is performed, the ESPADP Batch Builder will insert or append the commands in order as follows:

- A. if a ClearGroups command is to be performed, it will be added first,
- B. an ESPTSDir command will then be added for the currently selected directory, even if it was not changed and
- C. an AddGroup command will be added for all of the combinations of the "Segid.TSid", "TYPE" and "TS" list items, each group having the extensions selected from the "Ext" list.

NOTE: It may very well occur that an AddGroup command is executed for a group that does not exist. This will NOT cause an error in the ESPADP batch mode run, although it will cause a warning message to be printed.

6.6 Inserting Comments

To insert a comment, do the following:

1. Click on **Commands >> Insert Comment**.
2. A dialog will pop-up titled, "Insert Comment". Type in the contents of the comment into the text field without including the preceding '#'.
3. Click "OK" to insert the comment into the **Command List** just before the currently selected batch input line. It will append it to end of the **Command List** if no line is currently selected. Click "Cancel" if you decide to not insert a comment.

Upon clicking "OK", the contents of the text field will be entered into the **Command List** with a '#' preceding it.

6.7 Editing a Command

To edit a command, action or comment, do the following:

1. Select one and only one batch input line to edit from the **Command List**.
2. An dialog titled "Editing <command> Command" will pop-up. It will be a wrapper dialog on the sub-command panel associated with the command or action selected if the line to edit is a command or action or a wrapper on the panel that appears when you click **Commands >> Insert Comment** if the line to edit is comment.
3. Make changes to the command, action or comment accordingly and click "OK" if you wish to go through with the changes or "Cancel" if you decide not to edit the line.

Upon clicking "OK", the **Command List** should now change reflecting the new value of the batch input line.

NOTE: The command ClearGroups cannot be edited since its value is meaningless. If it is present, then the groups will be cleared regardless of what value is after the equal sign.

NOTE: The command AddGroup cannot be edited due to the complexity of editing it. Hence, if you wish to change the AddGroup command, then delete it and insert a new AddGroup command accordingly.