

Quick guide to EVA Tools

Replace source-IDs in the selections

This is useful when your student made the selections but is not registered as a SITL. As a registered SITL, you can import the selections (.sav file) into EVA and then replace the ID attached to each segment.

1. Launch EVA and restore the selections by using the RESTORE FROM drop-down menu.
2. Go to Preference —> Tools and hit the “Replace source IDs in FOM structure”
3. A new window will appear. Use the form to replace the IDs. Hit “Close” when you’re done.
4. If there were multiple source-IDs in the selections, please use the drop-down menu in the form to choose which ID is to be replaced.

Import selections from SAV to BAK-structure

This is useful when the SITL could not submit his/her selections within the SITL window and the super-SITL needs to submit the selections via back-structure. The input file must be a sav file created with EVA and the file name must contain a string “eva-fom-modified” (but it is okay to have any prefix or suffix).

1. The SITL creates a new SAV file with only the new, additional selections
2. A super-SITL launches EVA and displays the selections received from the SITL.
3. Go to Preference —> Tools and hit the “Import selections from SAV to BAK-structure”
4. Switch to the “back-structure mode” (and hit LOAD button if desired)
5. Examine the “BAK(SITL)” panel.
6. Validate and submit.

Import selections from TEXT to FOM-structure

This is useful when the SITL receives a long list of specific time intervals and FOM values to be added to the SITL selections.

1. Prepare a list of selections (see below for the format) and save.
2. Launch EVA and display automated FOM as usual
3. Go to Preference —> Tools and hit the “Import selections from TEXT to FOM-structure” button
4. A dialog appears for you to select a text file.
5. Once you select a file, then the FOM-structure will be updated in EVA.

The list needs to be a comma-delimited text data and should have been saved somewhere in your local computer. Each column (from left to right) shows the date, start-time, end-time, FOM and comments. Please see the following example (also saved at [YOUR SPEDAS DIR]/projects/mms/sitl/eva/source/script/eva_sitl_restore_txt_sample.txt):

```
2015-08-01, 13:40:00, 13:43:00, 230 , Mauk -- cross cal for particle instruments
2015-08-01, 15:18:00, 15:23:00, 210.3, Fuselier/Pollock -- HPCA/FPI low-E cross cal
```

2015-08-01, 23:58:00, 00:02:05, 210 , Fuselier/Pollock -- HPCA/FPI low-E cross cal

You do not need to put a date for end-time (the 3rd column). If a segment was crossing mid-night, then the script will assume the day after the input date (See the 3rd line in the above example).

We still suggest checking each selection carefully after importing with this feature. If you encounter an error, please check if there is any overlap in the selections.