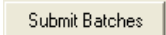


Batch Processing Large Data Sets

Batch processing allows you to automatically compensate and analyze a group of files with one analysis template and compensation matrix.

To perform batch processing:

1. Select **Batches** from the Tools menu.
2. Click .
3. In the **Batch Folder Name** box, type a new batch name.
4. If input files are **.rifs**:
 - a. Check the Compensation Box.
 - b. Browse for and select the compensation **matrix**. Click Open.
 - c. Browse for and select the data analysis **template** or .daf.
5. If input files are **.cifs** (batching .cifs is faster then batching .rifs).
 - a. **Uncheck** the Compensation Box
 - b. Select a data analysis **template** or .daf.
6. If input files are **.dafs**: (batching .dafs is faster then batching .cifs).
 - a. **Uncheck** the Compensation Box
 - b. Select a data analysis **template** or .daf.
7. Click . Ctrl-select the files to be batched.
8. Confirm the **Corrections** box is checked.
9. Check the box for **EDF** deconvolution only if the EDF element was used during collection.
10. Select the **Output Files Destination**.
11. Check Overwrite existing files if desired or edit the output file **suffix** to customize the batch names.
12. To generate a statistics table click  and follow instructions on the back side of this document.
13. Click **OK**.
14. If you have another batch to add, repeat steps 2-13.
15. Click . The batches will be processed in the order they appear in the list.
16. If you want a batch report, double-click the batch in the **Processed Batches** list of the **Batches** window.

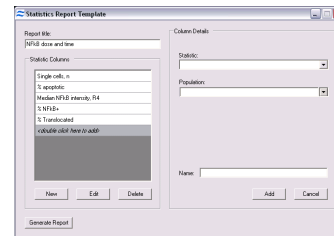
When the batch processing is complete, the IDEAS application saves the .cif, and .daf files in the output file directory chosen in step 11. In the Batches window, a list of processed batches appears in the Processed Batches list. If a batch did not successfully complete, it will appear in red.

Statistics Batching

Statistics batching is used to generate a report for analyzed data sets without the need to actively open every data file. First a template is created containing the categories of information that will show up in the report. Next the template is applied to multiple data files, and a text file with the pertinent statistics is created. This text file can then be opened in excel and tables and charts can be generated in this format.

To generate a statistic report template:

1. Select **Statistics Report Template** from the reports menu in IDEAS.
2. Select **New** and enter a report title.
3. Select the **statistic** you want to use in the report.
4. Select the **population** for that statistic.
5. Enter a **column name**.
6. To add **additional statistics** columns select new, and follow steps 3 thru 5.
7. Select **OK** and save the new .daf.
8. Save the **analysis template** by going to file, save as template file. The template now includes the statistics table information you just set up. If an experiment is batch analyzed using an analysis template that has a statistic report template in it, a statistics report file will automatically be generated for the whole experiment.



To generate a statistic report:

1. Select **Generate Statistics Report** from the statistics template window or from the Report drop down if using a new instance of IDEAS.
2. Enter a report title and navigate to a .daf containing the statistic report template.
3. Select add **files** and Ctrl-Select the saved .dafs you wish to include in the stats report.
4. To order how stats appear in the report Ctrl-click in the order you wish, then right click and select "move here".
5. Click **OK**, and agree to save and close the open data file if need be.
6. IDEAS will quickly go into each data file and extract the relevant statistics, and generate a **statistics table** as a text file.
7. To view the data, **right click** the .txt file.
8. Choose **open with**, and select excel.
9. The new statistic table will open in excel and allow you to create new tables and graphs.