DTU Nutech
Center for Nuclear Technologies

Change Note

New Sequence Control functions the Sequence Editor

22/1-2015/TLAP

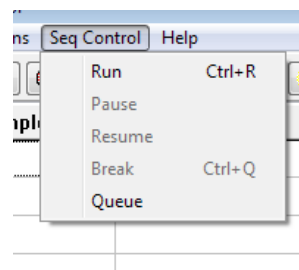## Use of additional Sequence Control functions

From Sequence Editor Version 4.30 new Sequence Control functions have been added

For a more efficient use of the reader it may be desirable to be able to stop a sequence run, exchange the samples already analysed with new ones, and specify a sequence to be run on the new samples.

This has been made possible with new Sequence Control functions: *Pause, Resume* and *Queue*

If you want to run new samples on the positions that have already been analysed, you do as follows:

1. Pause the sequence
2. Load the new samples
3. Define the sequence to be run on the new sample and add this sequence to the run queue
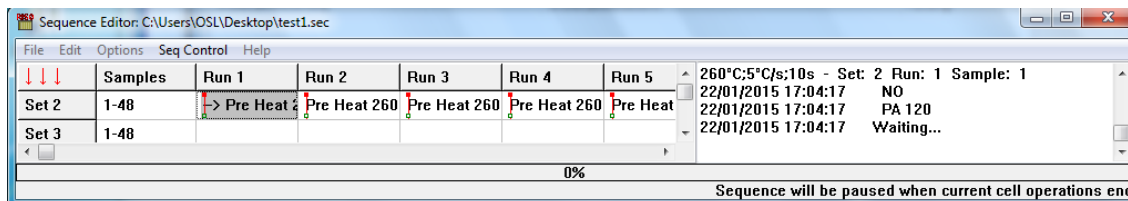4. Resume the sequence that you paused

Another use of the run queue may be that you can now structure you sequence and data files more freely. I.e. you may split what you normally would place in one sequence into several sequences and put them in the run queue, which means that the will all be executed automatically one after the other.
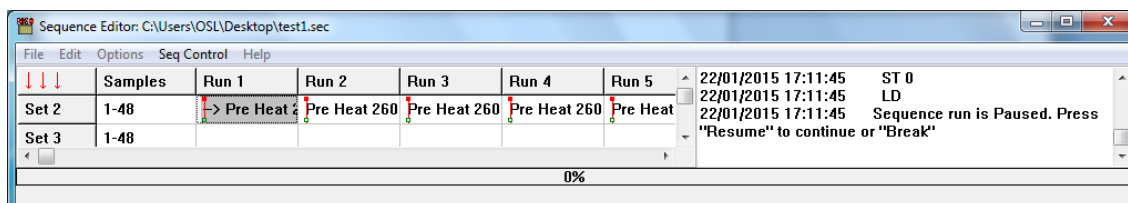
Run

Run works as it used to (before V.4.30) except that now after running the sequence defined in the grid, it reads in the next pending sequence from the queue, and start running this. When this sequence run ends, it reads in next pending sequence run (if any) and starts running this. This process stops when there are no more pending runs.

Pause

When you press *Pause* a message will be shown in the in the status bar at the bottom of the program window

When all operations of the current cell has ended, a message in the log pane (also stored in the log file) will tell that the sequence has been paused and instruct you on how to resume operation
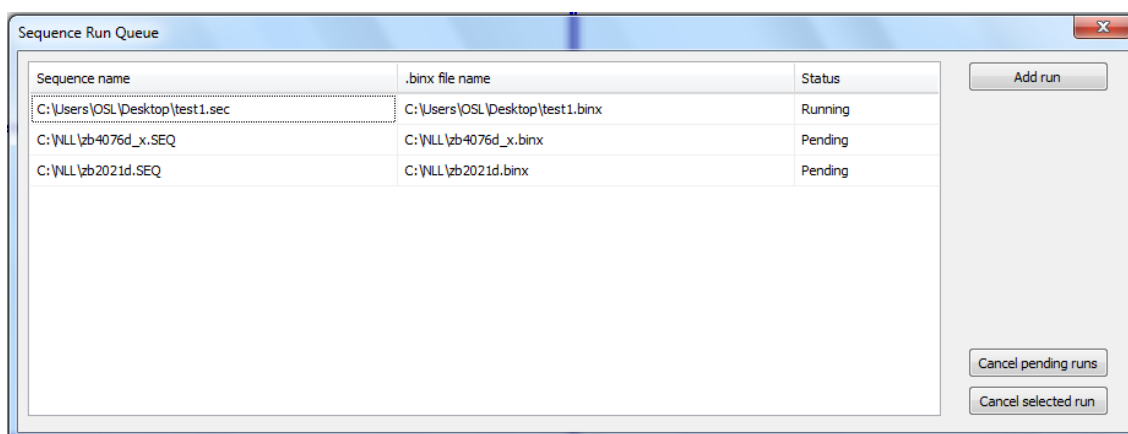

Resume

When you press *Resume*, the sequence that was paused start again from where it was paused. Initialisation of the sequence run is performed before the sequence is continued. E.g. the turntable is reset as it may have been removed and put back in again. The remaining data are appended to the BIN file and the SEC file is still valid as it is not possible to change the paused sequence.

The time the sequence was resumed is written in the log pane and the log file, and an updated estimate of sequence end is written in the bottom status bar.

Queue

When pressing *Queue* a list of running and pending sequence runs are shown.

You may add Sequences to be run by pressing "Add run". You will be prompted for sequence (SEQ) file and BIN file names.

You may also delete pending runs by pressing "Cancel selected run" or "Cancel pending runs".