When Matlab Does Not Respond

1. Try closing SpecReader or GIXSGUI by clicking the X in the top-right corner of the SpecReader or GIXSGUI panels.

2. If the windows close and Matlab becomes responsive, go to step 7 or 8.   Otherwise go to step 3 and restart Matlab.

3. Start a new terminal window: right-clik on Desktop and select "Open in Terminal".

4.   Enter 'top' to list all the processes that are running.   Probably the MATLAB process is at the top of the list because it is using more than 100% of the CPU.   Identify the corresponding PID (process identification) number in the 1st column.

5. Start a new terminal and enter 'kill -9 *PID*' to kill the bad MATLAB process.   Replace the *PID* string with the number you identified in step 4. (CAUTION: Make sure you enter the correct PID or you will kill the wrong process!)

6.   In this same terminal (or a new terminal), navigate to the directory for your 2-D datafiles by entering: 'cd /home/8-id-g/2017-1/commission201702p' (change this path as necessary – see the printed directory pasted into the beamline logbook).   Then enter 'matlab -softwareopengl &' to start Matlab.

7.   SpecReader may start by itself.   If not, enter 'specr' in the Matlab command window. Select File > Open SpecFile > [navigate to your specfile, it will be in /home/beams10/2017/Feb2017/commission201702s]. The specfiles and in .spec.

8. GIXSGUI may start by itself, it should start up in the directory where your 2-D data is located. If not, enter 'gixsgui' in the Matlab command window to start gixsgui.   Load the parameter file.