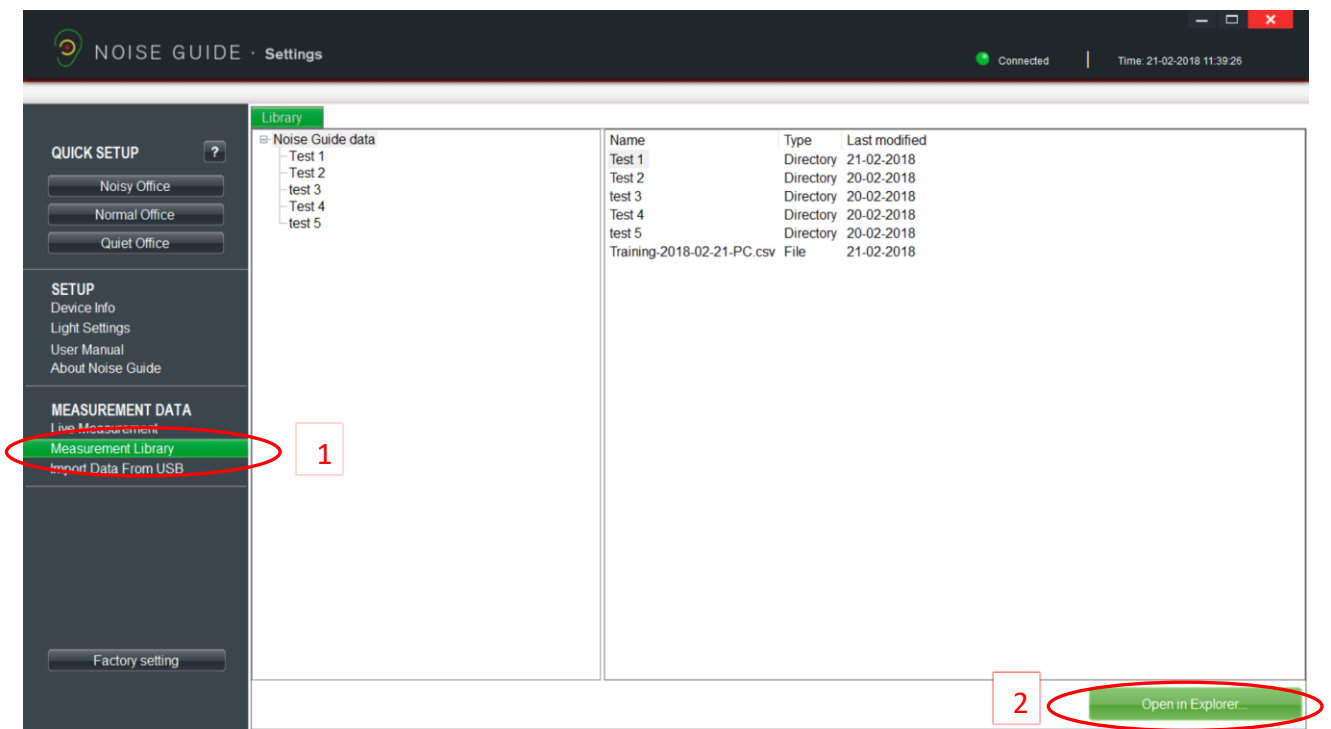# How to compare measurements from the Noise Guide

Ver.04 06.03.2018 MLS

You can compare measurements between either different dates or different units by importing them into an excel project sheet and creating a graph.

1. Start out by importing the log files into the Noise Guide software. This is described on page 26 in the Noise Guide manual
2. Go to 'measurement library' (1) in the left menu and click 'open in explorer' (2). All measurements are stored in a CSV format which can be viewed in excel.
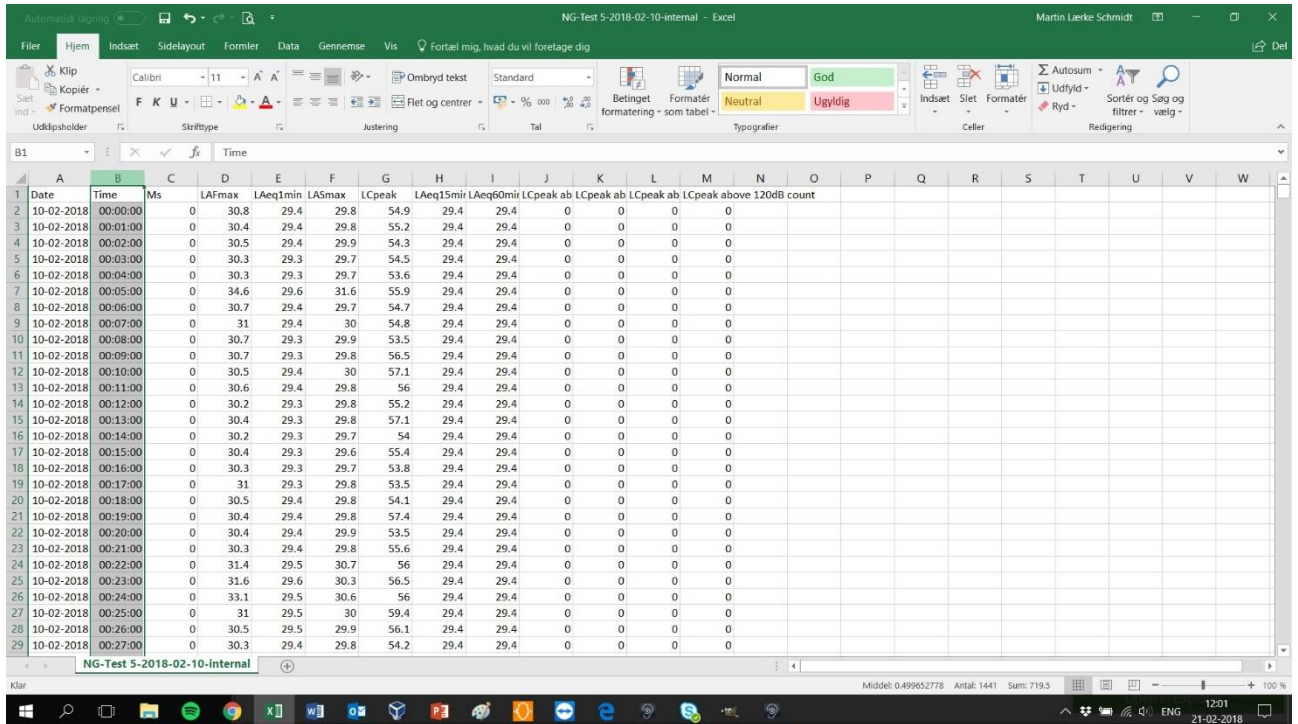
3. Here, I would like to compare the different dates for the Noise Guide unit named 'Test 5'
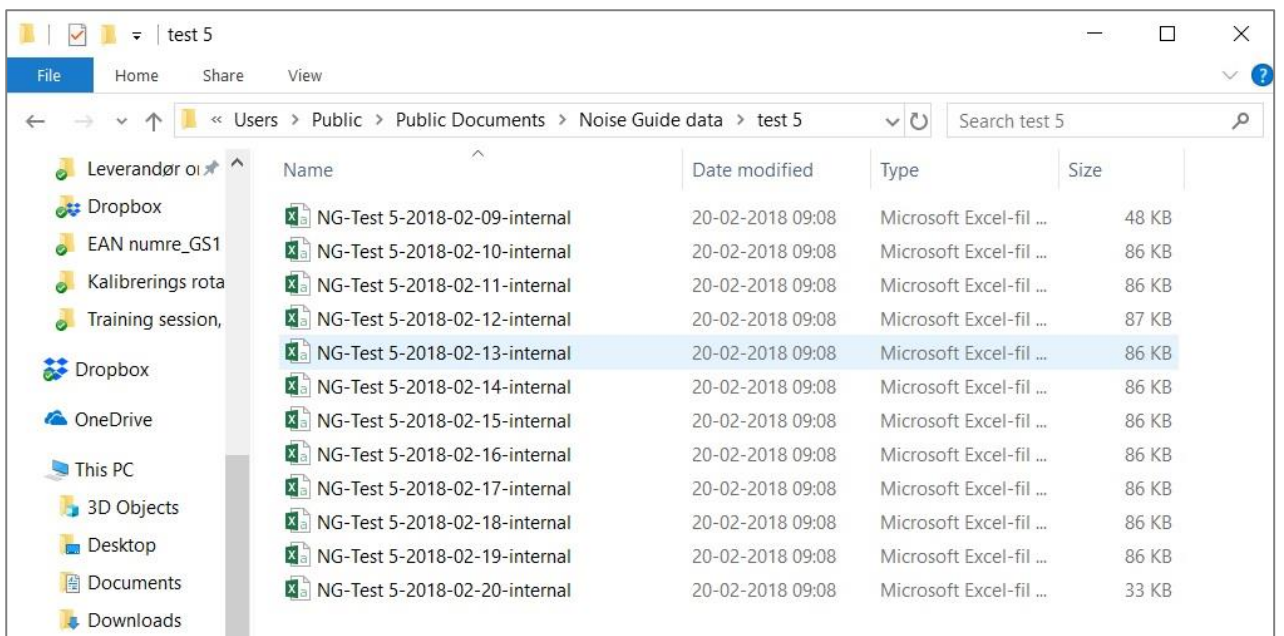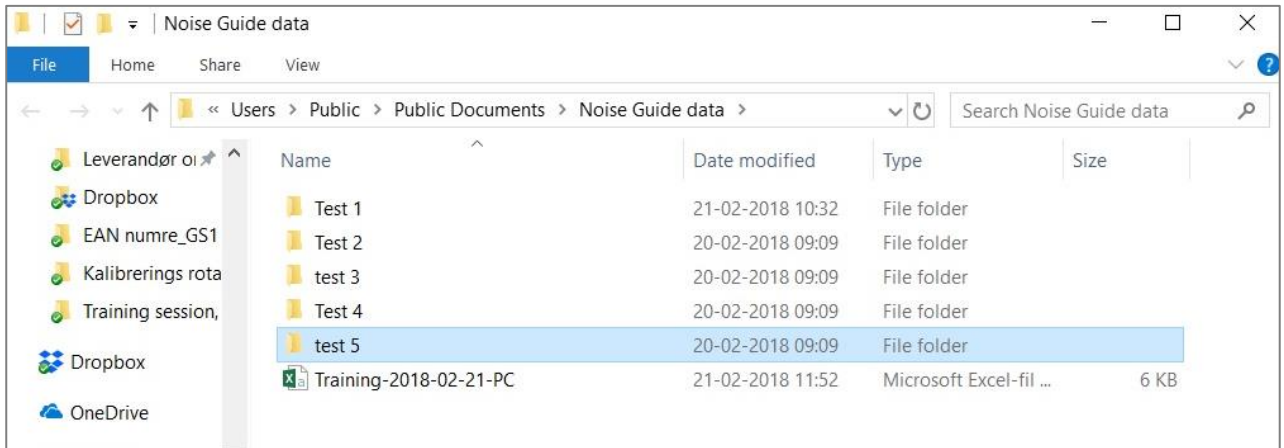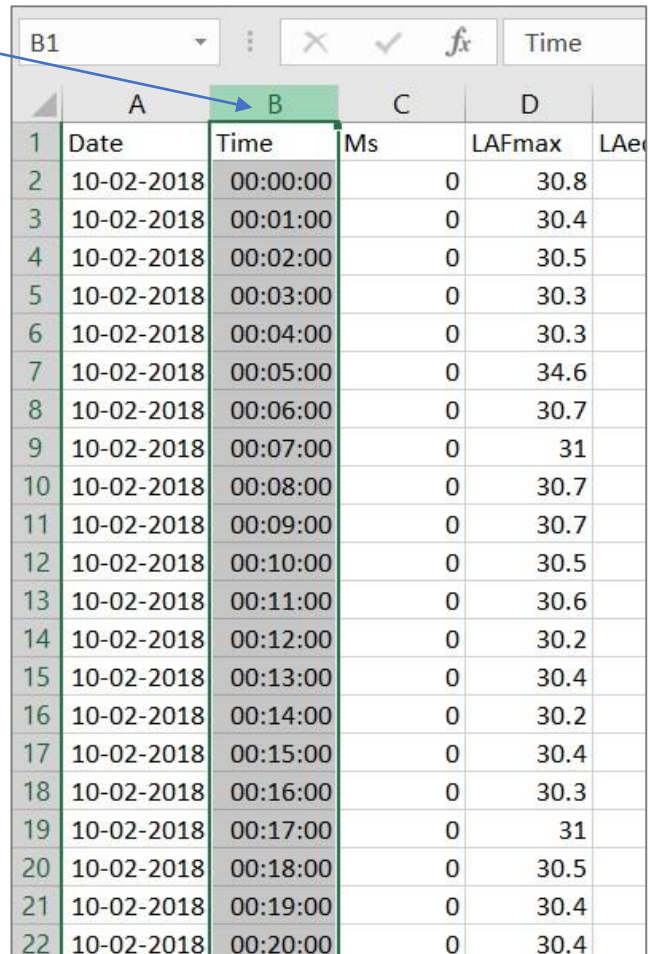

I would like to compare the dates from February 10th to February 15th, 2018.

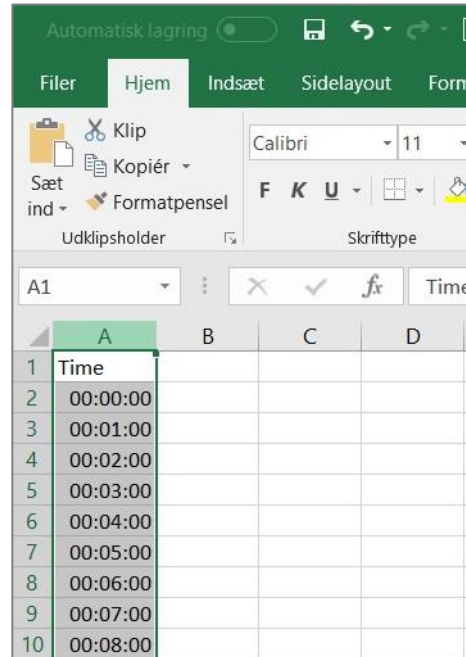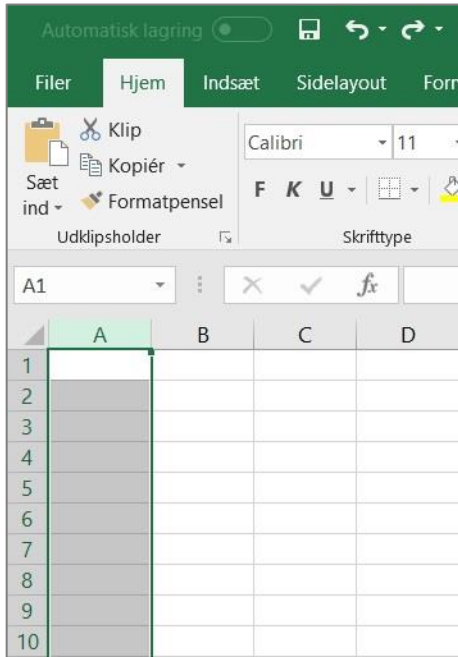4. Start out by opening the measurements from Feb.10th.

Hold the cursor over column 'B' as shown here and press 'Ctrl' and 'C' to copy the column

5. Open a new empty excel project folder and copy the column into the excel sheet by holding the cursor over column 'A' and then press 'Ctrl' and 'V' to paste the column into the new document.


6. Go back to the sheet with measurements from Feb.10th and copy column 'E' which contains the LAeq 1min measurements and paste it into the newly created excel sheet in column 'B'.
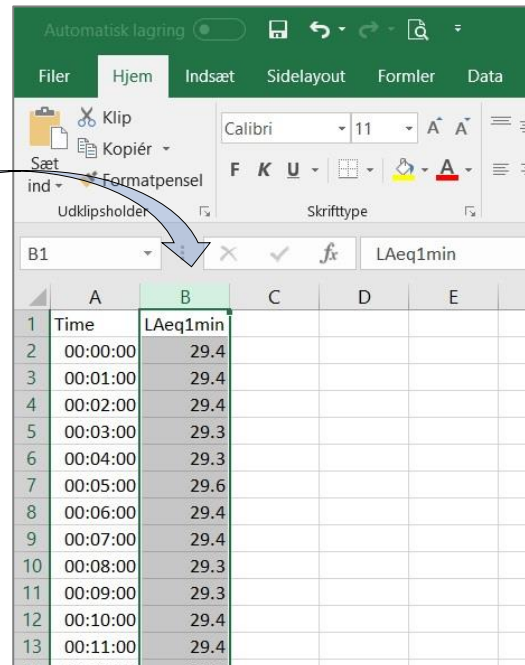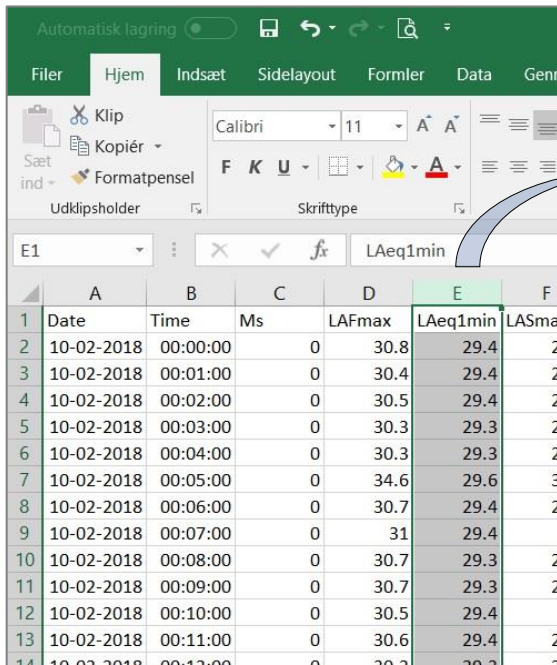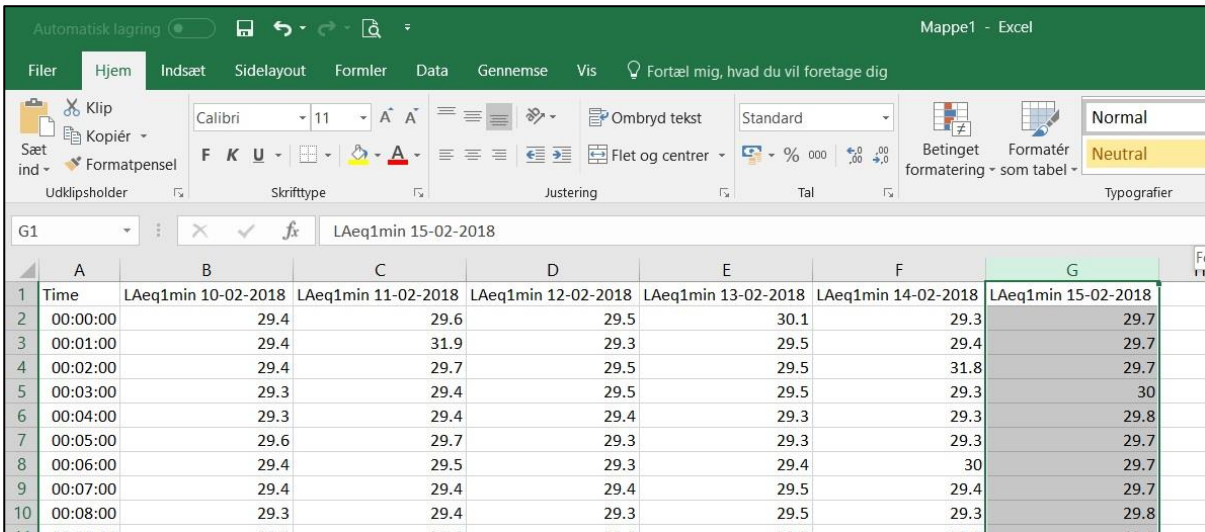
7. Click on the cell 'B1' where it says LAeq 1min and add the date for the measurements as shown below. Here, we are adding the date '10-02-2018' so it will be easier to see in the graph afterwads.
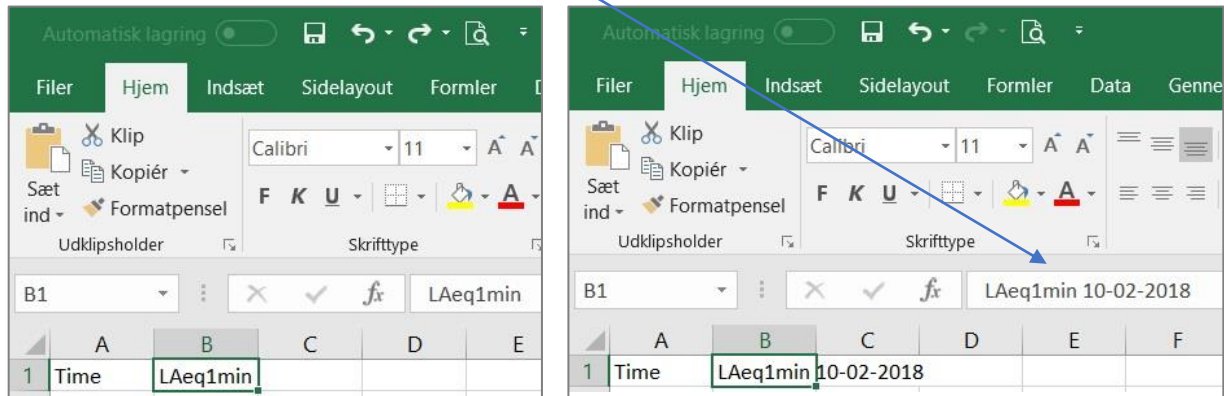
8. Close the CSV with the measurements from Feb.10th and open the files with measurements from the following day, Feb.11th. Copy column 'E' as described in step 6 and copy it into the excel project folder in column 'C'
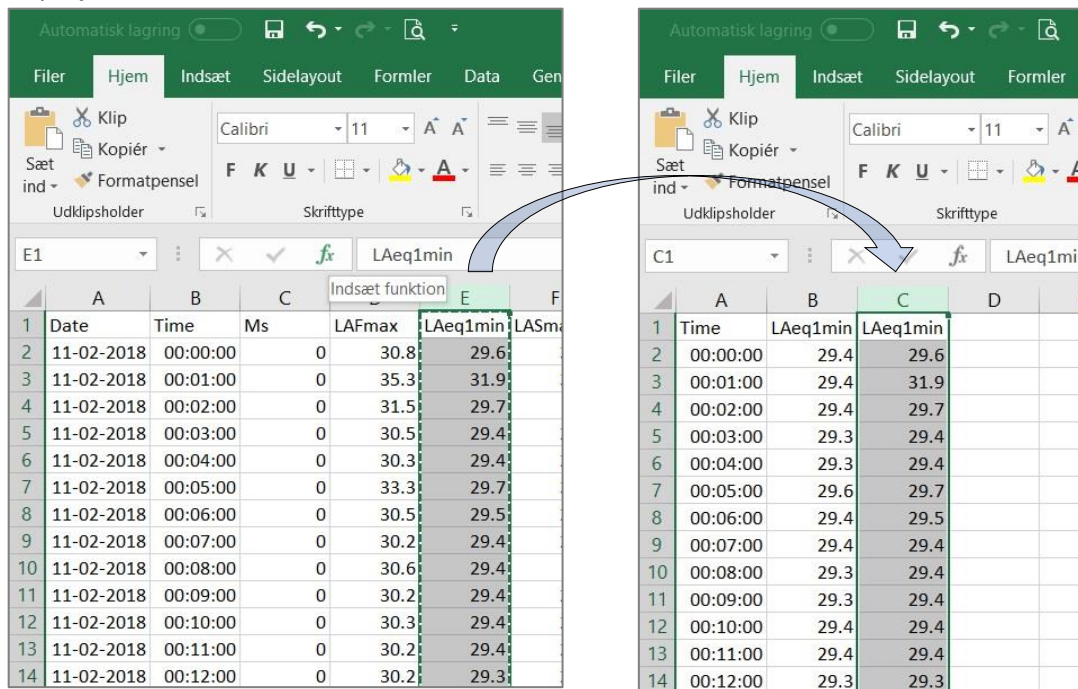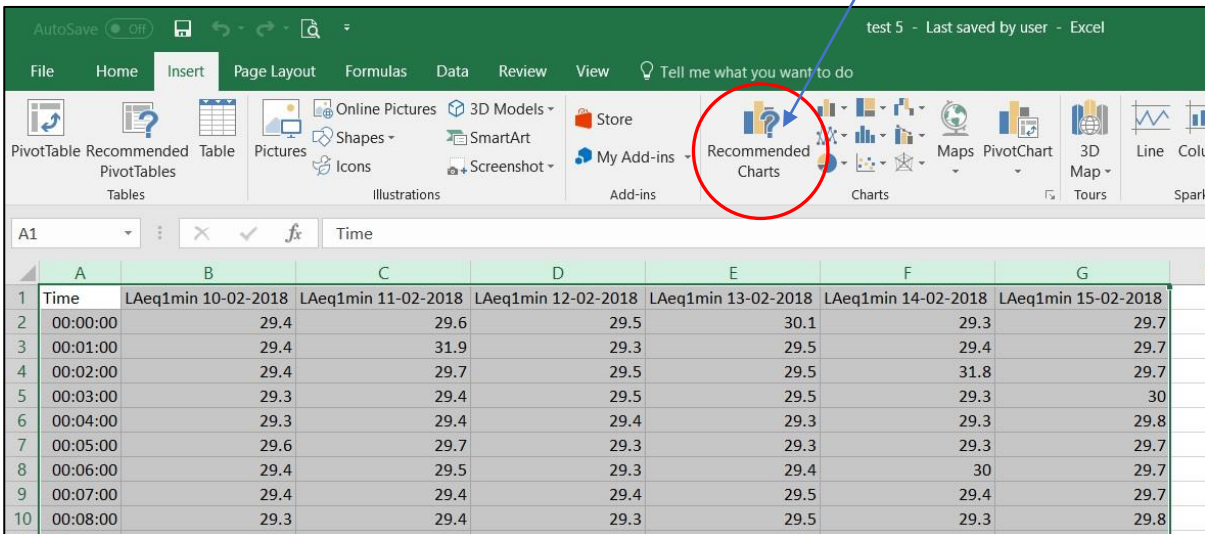
9. Add the date to the cell where it says 'LAeq1min' as described in step 7. Then repeat step 6 and 7 for the rest of the dates you want to add.
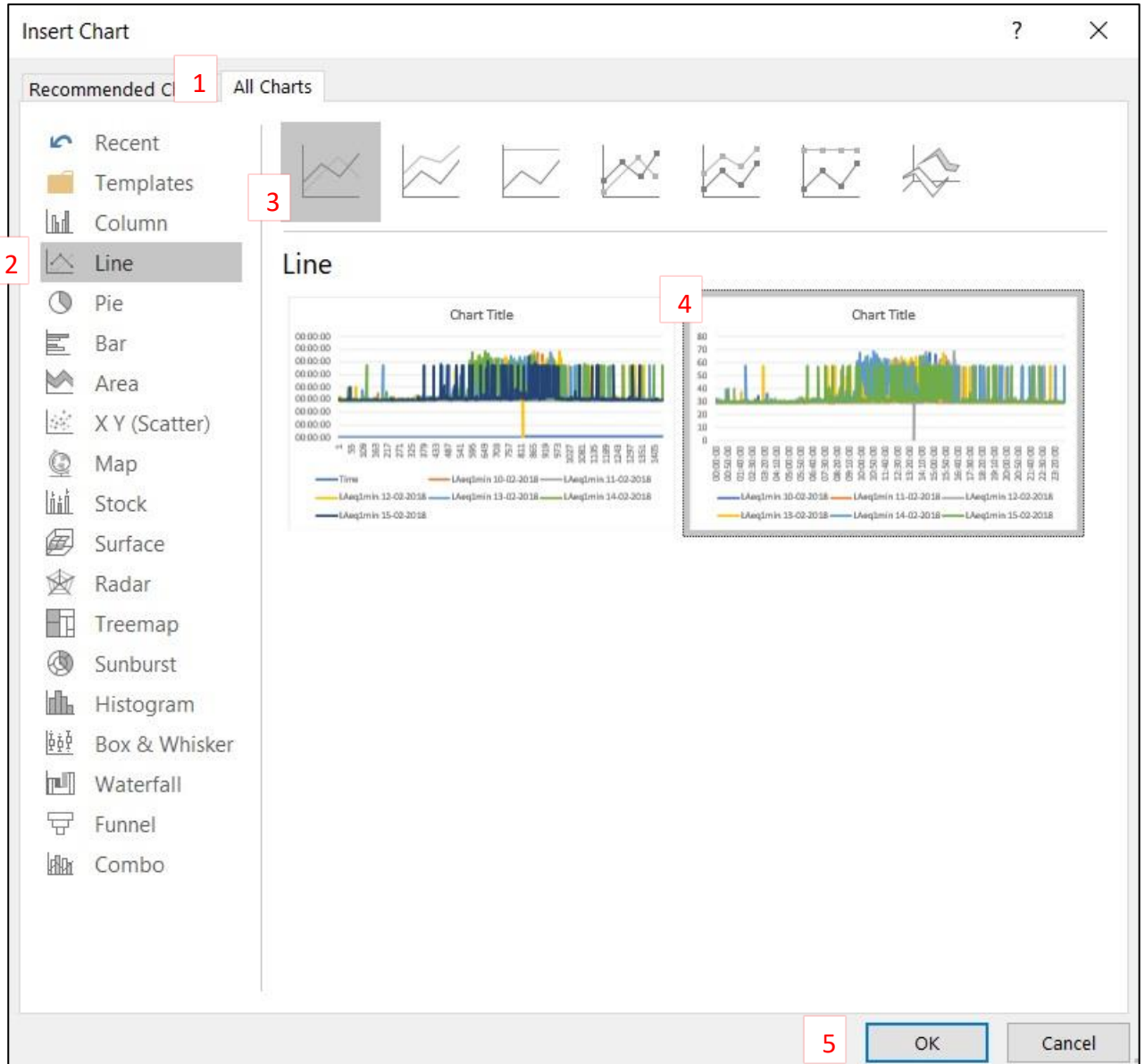
10. Highlight column 'A' to 'G' and go to the tab 'Insert. Click on 'recommended charts'

11. Do the following steps to choose the correct graph
    1. Select the tab 'All Charts'
    2. Select the menu 'Line' in the left menu
    3. Choose the first graph in the top menu
    4. Choose the graph where the time is in the bottom axis and the dB values are in the Y axis.
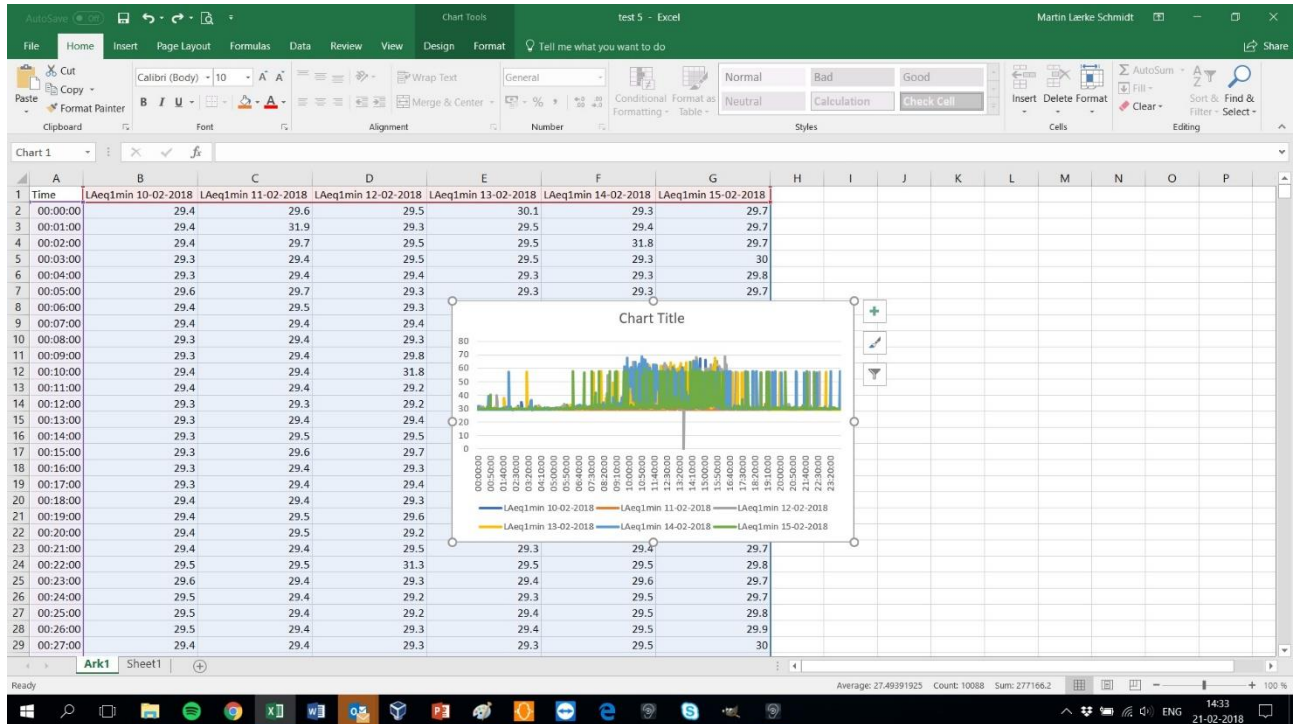   5. Press 'OK'

12. A graph will appear on top of your measurements as shown below

13. Right click on the chart and choose 'cut'
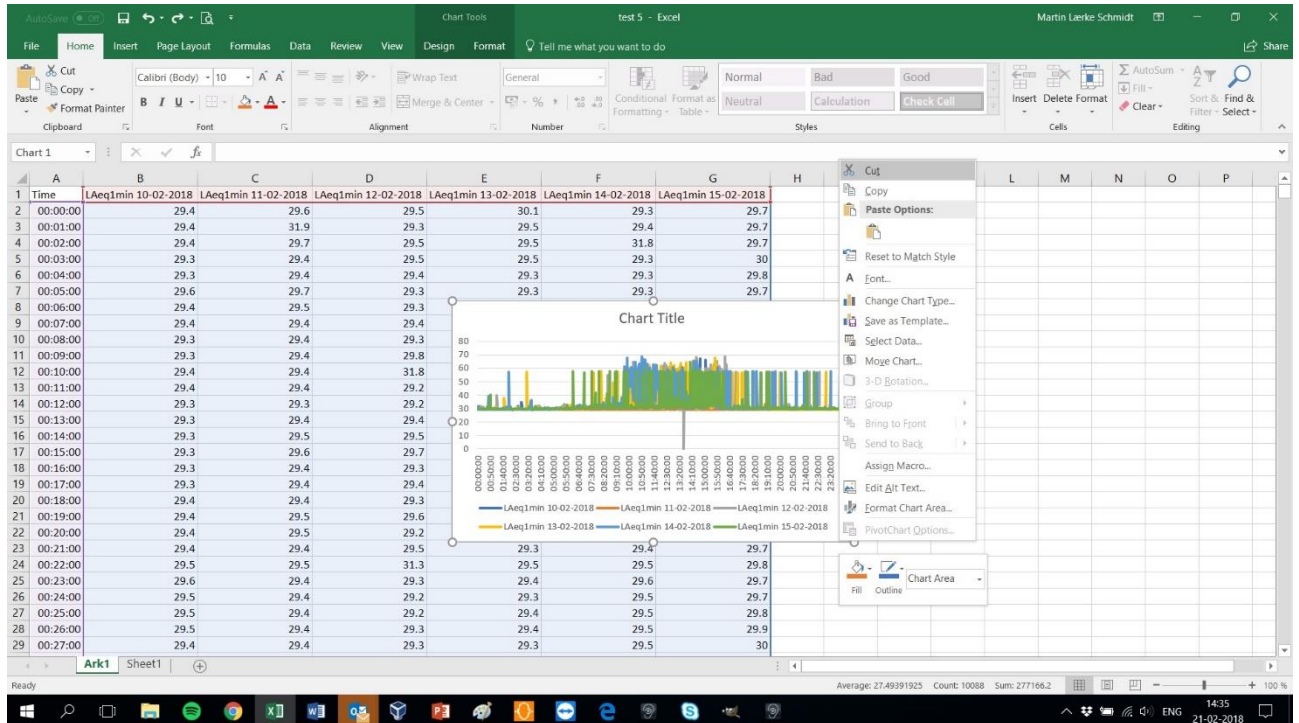
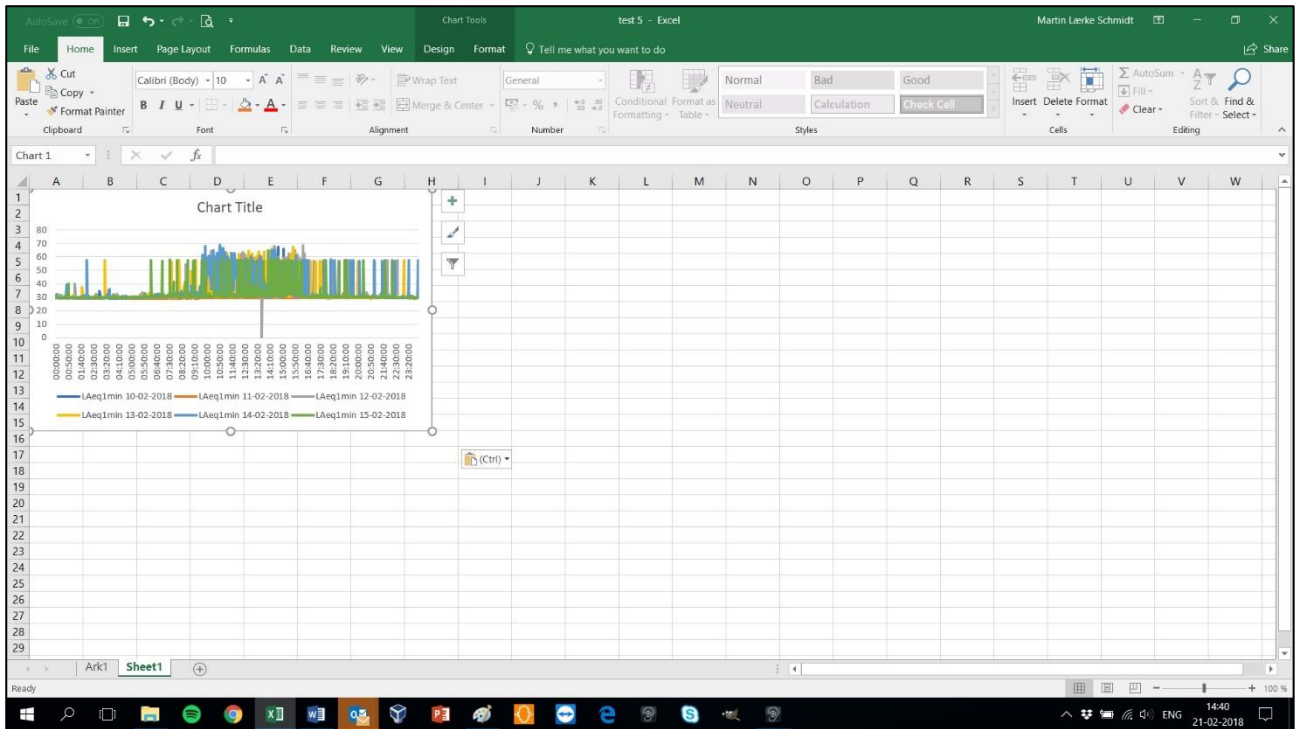14. Click on the '+' in the bottom left corner to create a new sheet in the excel document. Then paste the graph into the the new sheet by pressing 'Ctrl' and 'V'.


15. Drag the graph to the size you want. Then click on the '+' icon in the top right of the graph to add axis titles if you want. Then change the title for the 'X' axis to time and the 'Y' axis to dB. You can also change the chart title to 'Test 5' so you know which device the measurements are from.
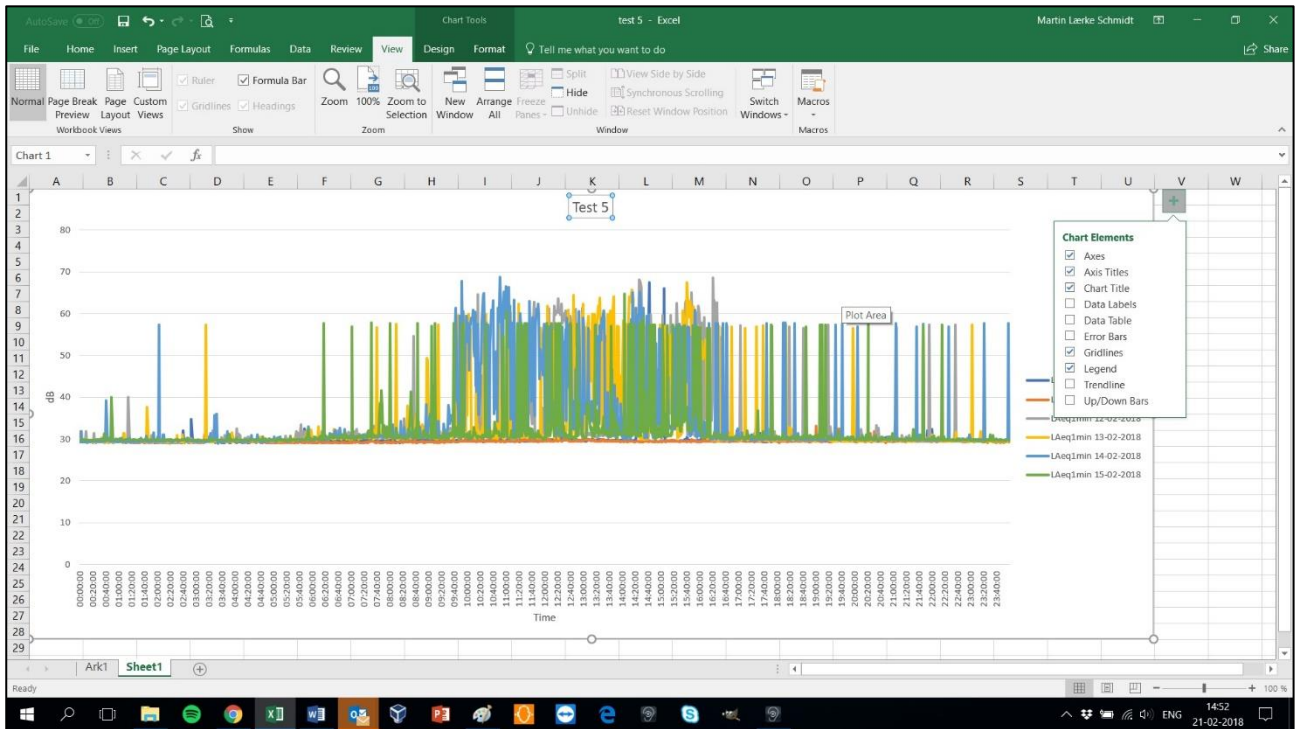
16. Click on the sort symbol (1) to choose which measurements you want shown in the graph. When you made your choice, click 'Apply' (2).
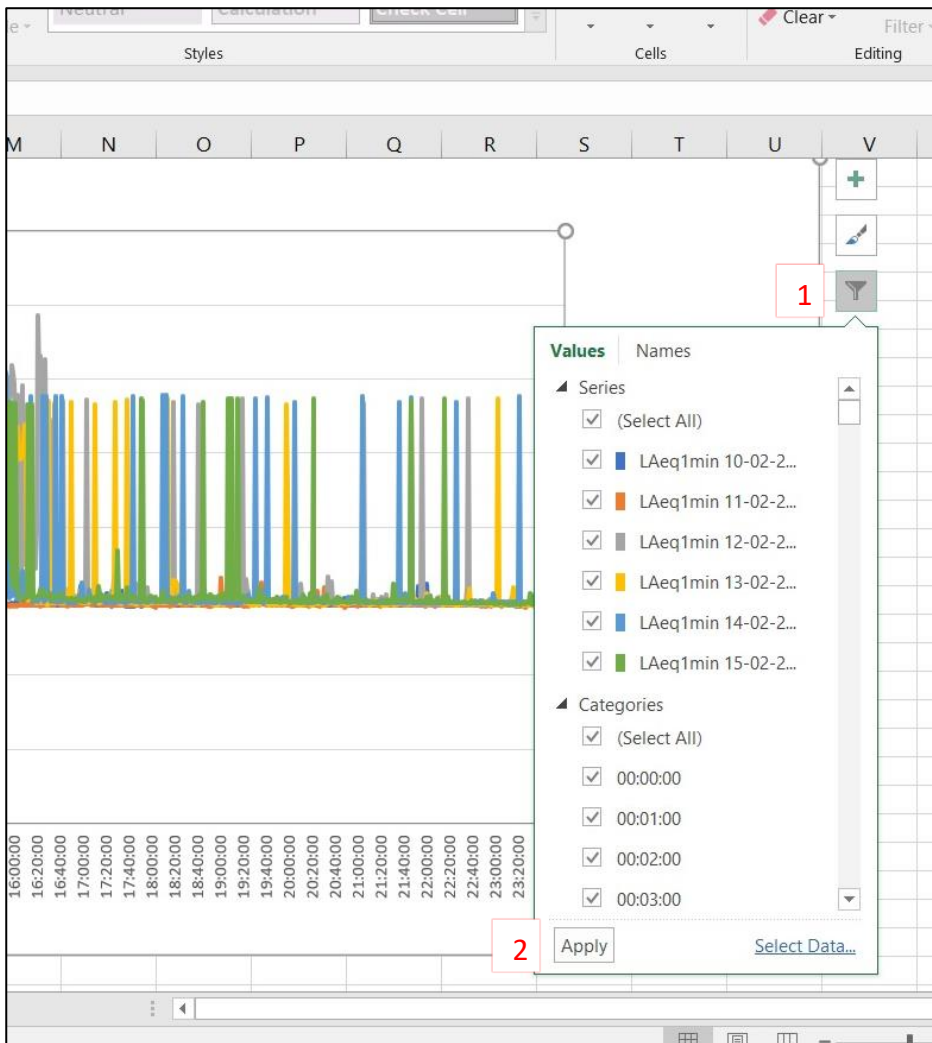
17. As you can see in the example below, here we have chosen only to see two dates.
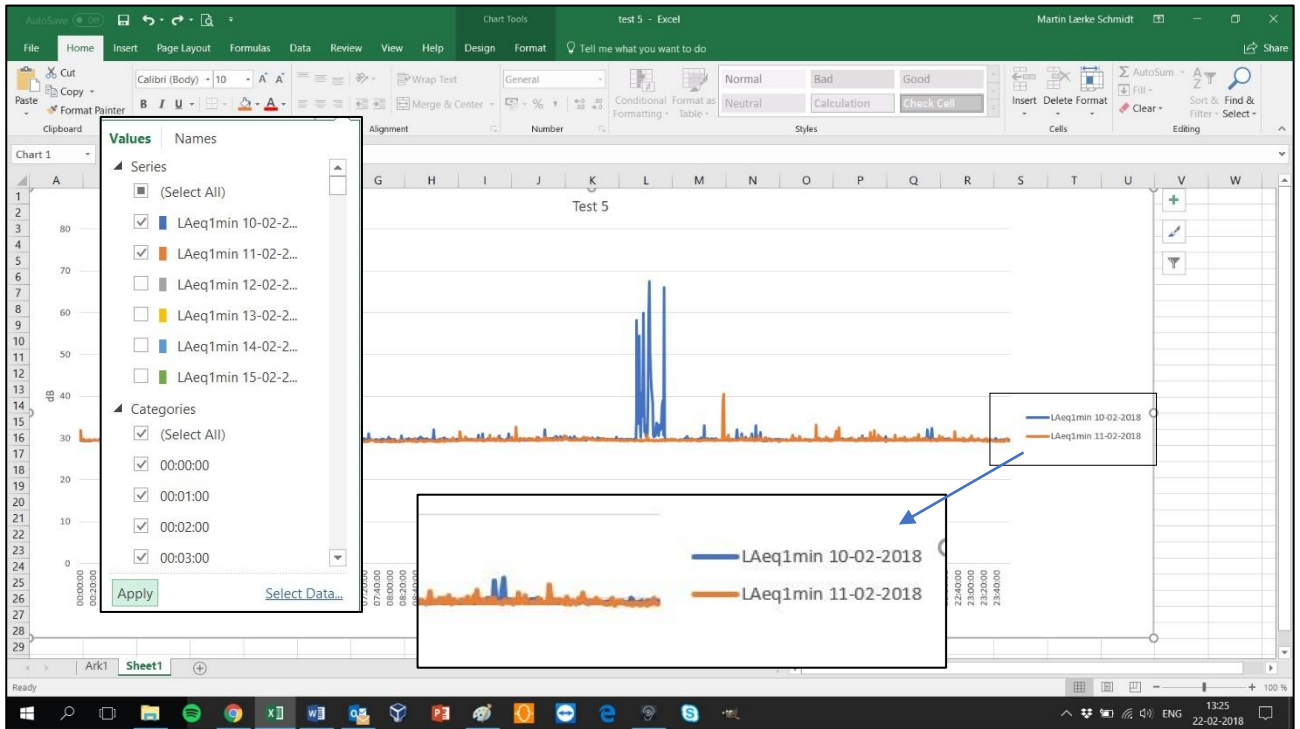
18. If you hold the cursor over a certain point in the graph, you can see what was measured at that time.