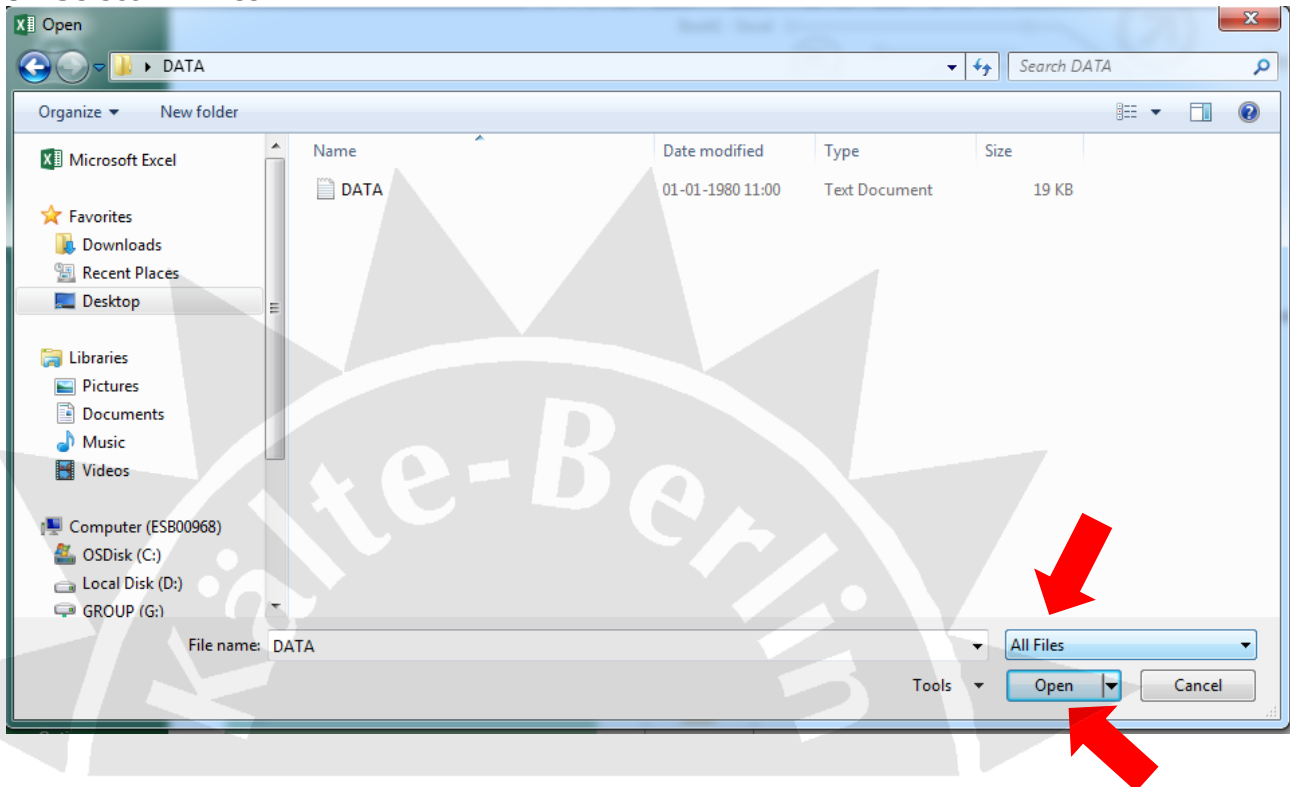


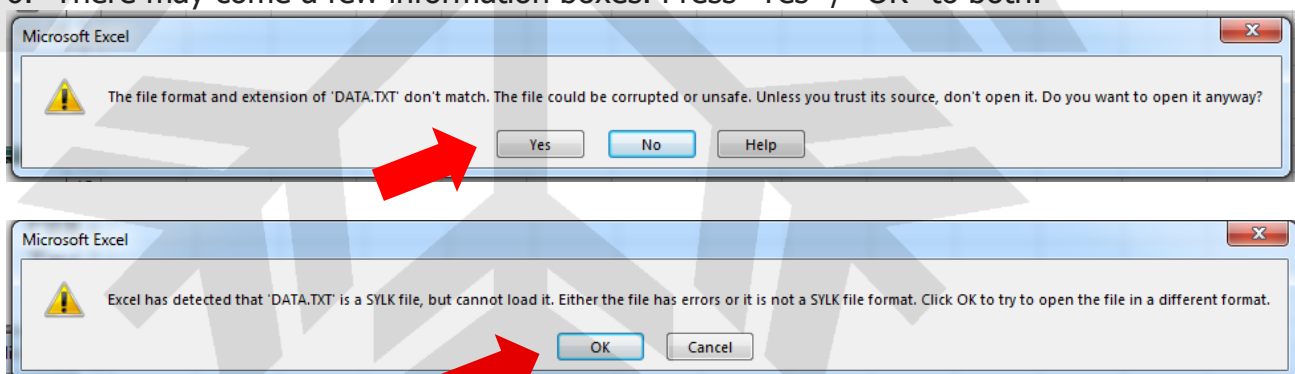
Converting data from USB to Excel

Converting data from USB to Excel

1. Insert the USB into your PC.
2. Open Excel and click on "File" and "Open"
3. Select "All files"

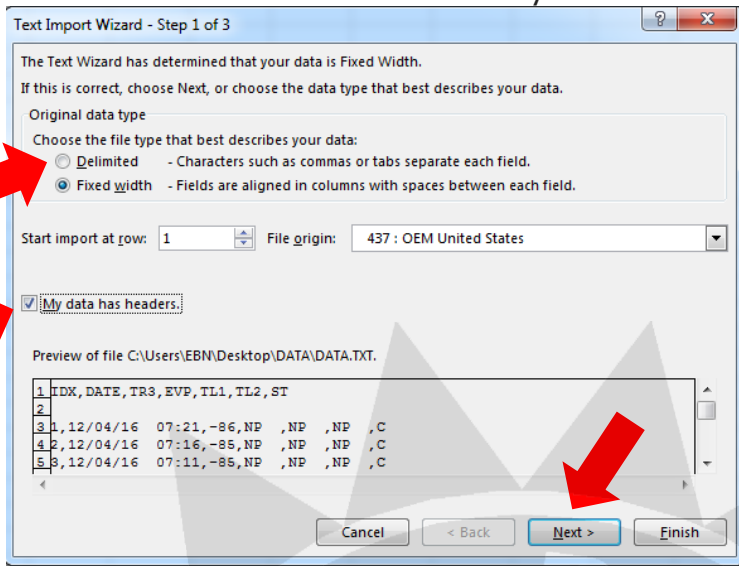


4. Find the location of the file DATA from the USB.
5. Press "Open"
6. There may come a few information boxes. Press "Yes" / "OK" to both.



Converting data from USB to Excel

7. Select "Delimited" and tick the "My data has headers".



Text Import Wizard - Step 1 of 3

The Text Wizard has determined that your data is Fixed Width.
If this is correct, choose Next, or choose the data type that best describes your data.

Original data type

Choose the file type that best describes your data:

☐ Delimited - Characters such as commas or tabs separate each field.

☒ Fixed width - Fields are aligned in columns with spaces between each field.

Start import at row: 1 File origin: 437 : OEM United States

☒ My data has headers.

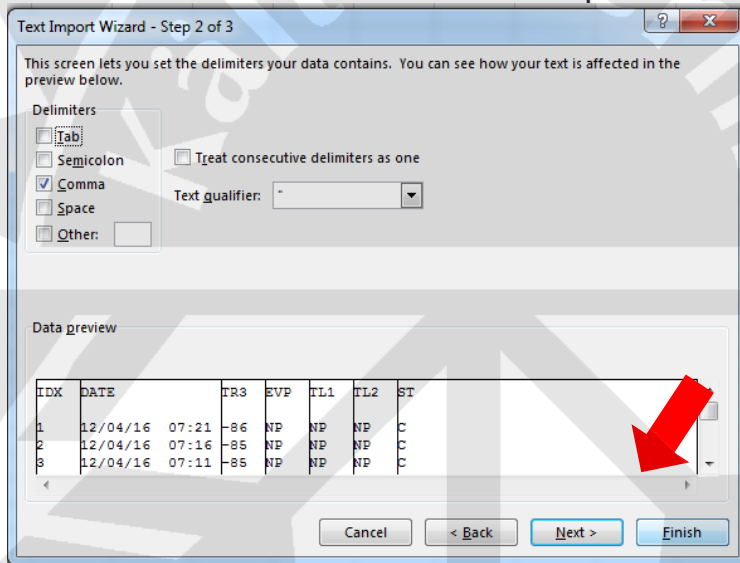
Preview of file C:\Users\EBN\Desktop\DATA\DATA.TXT.

1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	12/04/16	07:21	-86	NP	NP	NP	C
2	12/04/16	07:16	-85	NP	NP	NP	C
3	12/04/16	07:11	-85	NP	NP	NP	C

Buttons: Cancel, < Back, Next >, Finish

8. Press "Next".

9. Select the definition to be "Comma" and press "Finish".



Text Import Wizard - Step 2 of 3

This screen lets you set the delimiters your data contains. You can see how your text is affected in the preview below.

Delimiters

☐ Tab

☐ Semicolon

☒ Comma

☐ Space

☐ Other:

☐ Treat consecutive delimiters as one

Text qualifier: -

Data preview

1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	12/04/16	07:21	-86	NP	NP	NP	C
2	12/04/16	07:16	-85	NP	NP	NP	C
3	12/04/16	07:11	-85	NP	NP	NP	C

Buttons: Cancel, < Back, Next >, Finish

[illegible]

The screenshot shows the Microsoft Excel interface with the 'Sort & Filter' ribbon tab selected. A red arrow points to the 'Sort & Filter' button in the ribbon. A tooltip for 'Sort & Filter' is displayed, explaining its function: 'Organize your data so it's easier to analyze. You can sort the selected data from smallest to largest, largest to smallest, or filter out specific values.' The spreadsheet data is visible in the background, with columns A through G highlighted.

Converting data from USB to Excel

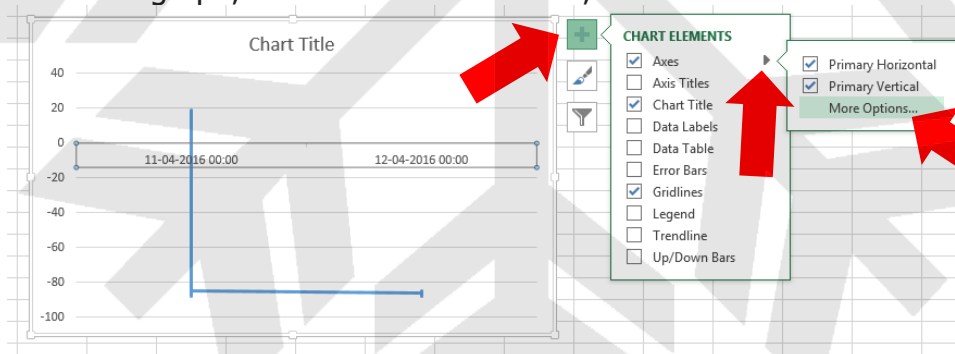
12. Select all the data in the data and temperature.

13. Press "INSERT", "Charts", "Line" and press "OK"

The screenshot shows the Microsoft Excel interface with the 'INSERT' tab selected. A red arrow points to the 'Charts' group in the ribbon. Another red arrow points to the 'Line' chart type in the 'Insert Chart' dialog box. A third red arrow points to the 'OK' button in the dialog box. The background shows a data table with columns for DATE, TI, EV, and NP.

DATE	TI	EV	NP
12-04-2016 07:21	-86	NP	NP
12-04-2016 07:16	-85	NP	NP
12-04-2016 07:11	-85	NP	NP
12-04-2016 07:06	-87	NP	NP
12-04-2016 07:01	-88	NP	NP
12-04-2016 06:56	-87	NP	NP
12-04-2016 06:51	-85	NP	NP
12-04-2016 06:46	-85	NP	NP
12-04-2016 06:41	-86	NP	NP
12-04-2016 06:36	-88	NP	NP
12-04-2016 06:31	-88	NP	NP
12-04-2016 06:26	-86	NP	NP
12-04-2016 06:21	-85	NP	NP
12-04-2016 06:16	-85	NP	NP
12-04-2016 06:11	-87	NP	NP
12-04-2016 06:06	-88	NP	NP
12-04-2016 06:01	-87	NP	NP
12-04-2016 05:56	-86	NP	NP
12-04-2016 05:51	-85	NP	NP
12-04-2016 05:46	-86	NP	NP
12-04-2016 05:41	-88	NP	NP
12-04-2016 05:36	-88	NP	NP
12-04-2016 05:31	-86	NP	NP
12-04-2016 05:26	-85	NP	NP
12-04-2016 05:21	-85	NP	NP
12-04-2016 05:16	-87	NP	NP
12-04-2016 05:11	-88	NP	NP
12-04-2016 05:06	-87	NP	NP
12-04-2016 05:01	-85	NP	NP
12-04-2016 04:56	-85	NP	NP
12-04-2016 04:51	-86	NP	NP
12-04-2016 04:46	-88	NP	NP
12-04-2016 04:41	-87	NP	NP
12-04-2016 04:36	-86	NP	NP
12-04-2016 04:31	-85	NP	NP
12-04-2016 04:26	-85	NP	NP
12-04-2016 04:21	-88	NP	NP

14. In the graph, select "Chart Elements", "arrow" Axis "and" More Options ... "



Converting data from USB to Excel

15. In the "Labels" and "Labels Position" select "Low". This moves the date text to underneath the graph.

Format Axis

AXIS OPTIONS | TEXT OPTIONS

☒ Automatically select based on data
☐ Text axis
☐ Date axis

Bounds

Minimum: 11-04-2016 Auto

Maximum: 12-04-2016 Auto

Units

Major: 1 Days Auto

Minor: 1 Days Auto

Base: Days Reset

Vertical axis crosses

☒ Between dates
☐ At date
☐ At maximum date

Axis position

☐ On tick marks
☒ Between tick marks
☐ Dates in reverse order

TICK MARKS

Major type: Next to Axis

Minor type: High

Labels

Label Position: Next to Axis

NUMBER

16. Same place change the words "Axis Type" to "Text axis".

Format Axis

AXIS OPTIONS | TEXT OPTIONS

☐ Automatically select based on data
☒ Text axis
☐ Date axis

Converting data from USB to Excel

17. Same place also tick off in the "Categories in reverse order" to turn the graph".

Format Axis

AXIS OPTIONS | TEXT OPTIONS



AXIS OPTIONS

Axis Type

- ☐ Automatically select based on data
- ☒ Text axis
- ☐ Date axis

Vertical axis crosses

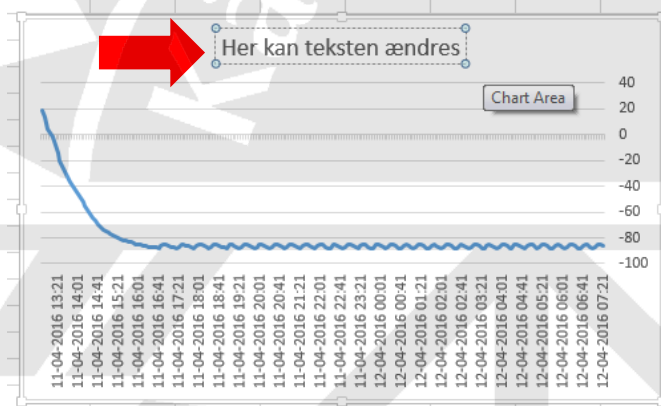
- ☒ Automatic
- ☐ At category number
- ☐ At maximum category

Axis position

- ☐ On tick marks
- ☒ Between tick marks
- ☒ Categories in reverse order



18. The title of the graph can be changed by double-clicking on this.



Note: After making a curve, it can be used for other data, by inserting other data from another device in the ranks. Then the graph will organize itself. However, it must be ensured that all data come by, this is done by clicking the "VALUES" and "Selected data..." and ensure that all data is included in the colored boxes, if not, then pulled in the boxes till all data is by. See pictures on the next page.

