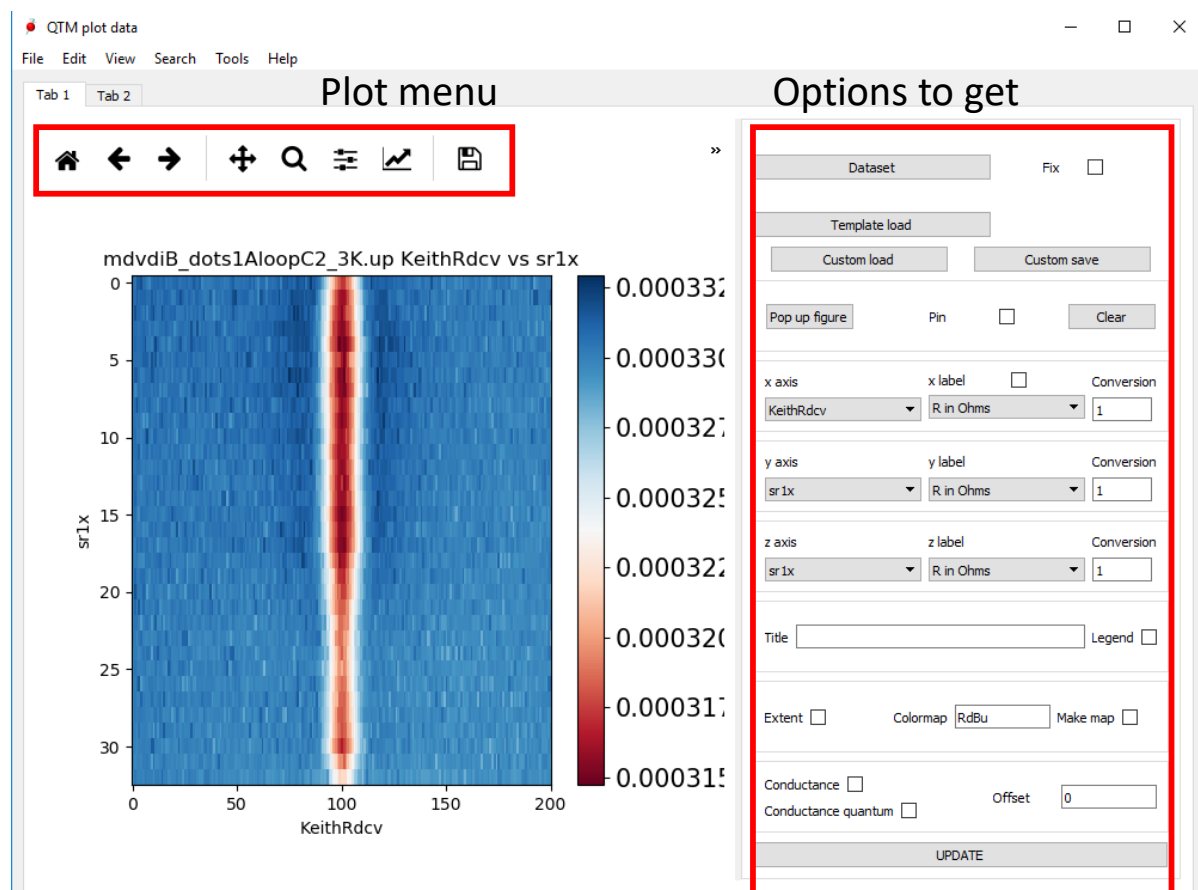
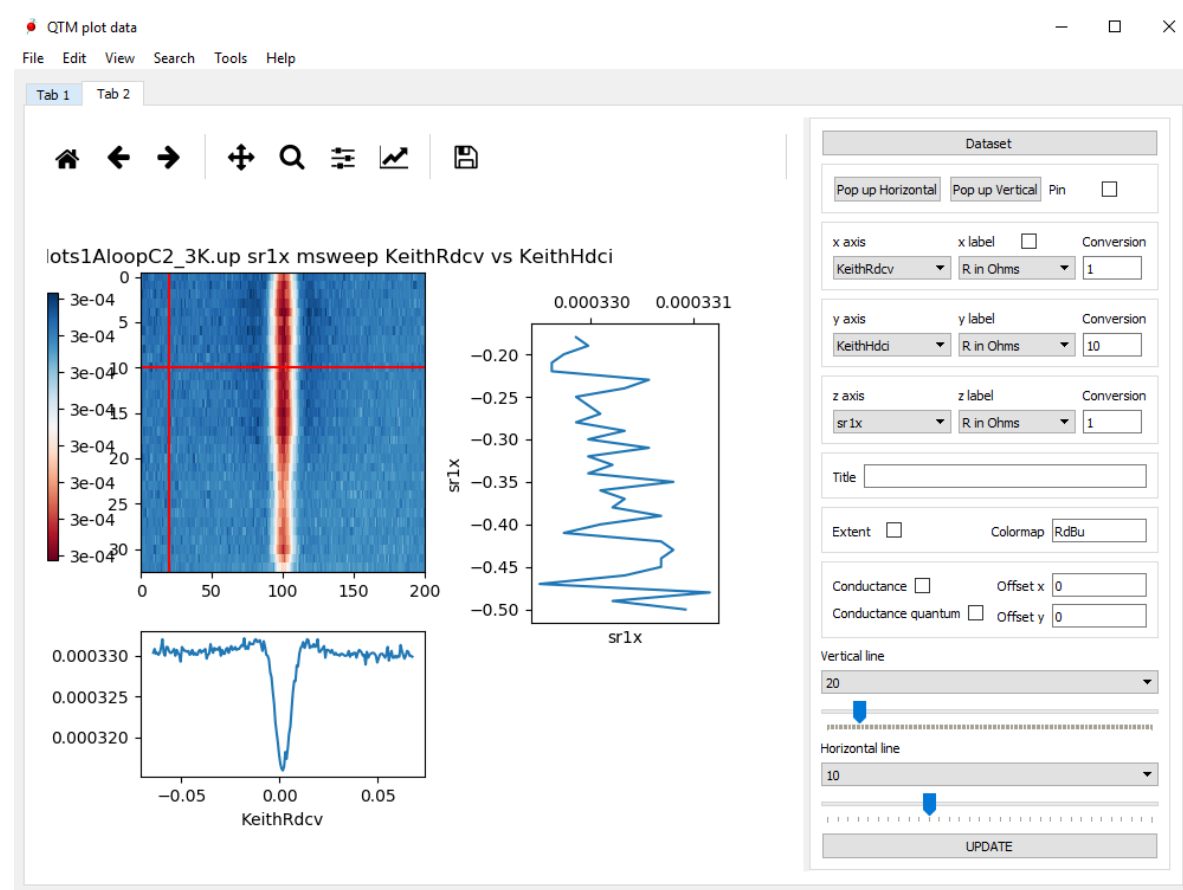


Tab 1: general plotting



Tab 2: maps + profiles



Tab 1: general plotting

Dataset ☐ Fix

Template load

Custom load Custom save

Pop up figure Pin ☐ Clear

x axis x label ☐ Conversion
KeithRdcv R in Ohms 1

y axis y label ☐ Conversion
sr1x R in Ohms 1

z axis z label ☐ Conversion
sr1x R in Ohms 1

Title Legend ☐

Extent ☐ Colormap RdBu Make map ☐

Conductance ☐ Conductance quantum ☐ Offset 0

UPDATE

Load a
template for
the widgets

Load the file
+ the
template
saved

Save the figure
+ a text file with
the template

Plotted values

If clicked, axis
names as labels,
otherwise axis
names as axis

Convert the plotted
values to right units

Open a load file window
Several files can be
uploaded simultaneously

If clicked several files can
be uploaded one after the
other without refreshing

Main graph gets
emptied

Open a new
window with
the plotted
figure

If clicked new
window does
not refresh with
new popup

Convert several
plotted line scans
into a map

Title Legend ☐

Extent ☐ Colormap RdBu Make map ☐

Conductance ☐ Conductance quantum ☐ Offset 0

UPDATE

Map axis change
from number of
points to actual
units

Map colormap, options
from matplotlib library

Give offset between
consecutive line
scans

Tab 2: map + profiles

Dataset

Pop up Horizontal

Pop up Vertical

Pin

☐

x axis

KeithRdcv

x label

R in Ohms

Conversion

1

y axis

KeithHdcv

y label

R in Ohms

Conversion

10

z axis

sr1x

z label

R in Ohms

Conversion

1

Title

Extent

☐

Colormap

RdBu

Conductance

☐

Offset x

0

Conductance quantum

☐

Offset y

0

Vertical line

20

Horizontal line

10

UPDATE

Open window with the horizontal /vertical profile

If clicked several profiles can be plotted without refreshing

Plot 1/data

Plot 1/data*2e^2/h

Conductance

☐

Offset x

0

Conductance quantum

☐

Offset y

0

Give offset between consecutive line profiles

Sliders to choose which lines to plot in the vertical and horizontal profiles