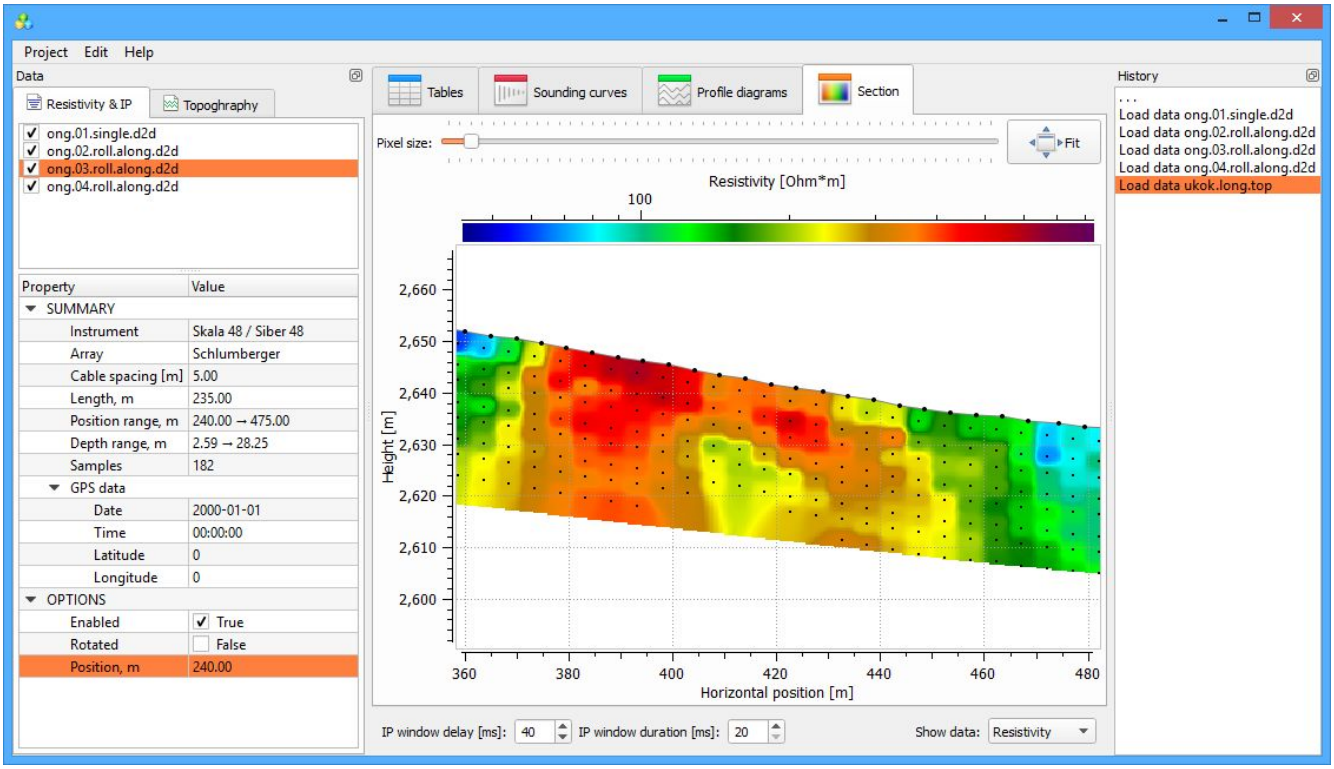
Resistivity & induced Polarization Preliminary Processor



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ABOUT RIPPP

RiPPP is intended for resistivity and IP data preliminary processing. RiPPP allows to view, to link, to filter the data and to export preliminary processing results to other formats.

SUPPORTED RESISTIVITY AND IP DATA FORMATS

RiPPP supports 2D data formats only.

1. Skala 48 / Siber 48 *.d2d data format.
2. Skala 64 / Siber 64 *.m64Session data format.
3. Generic *.abmnui data format.

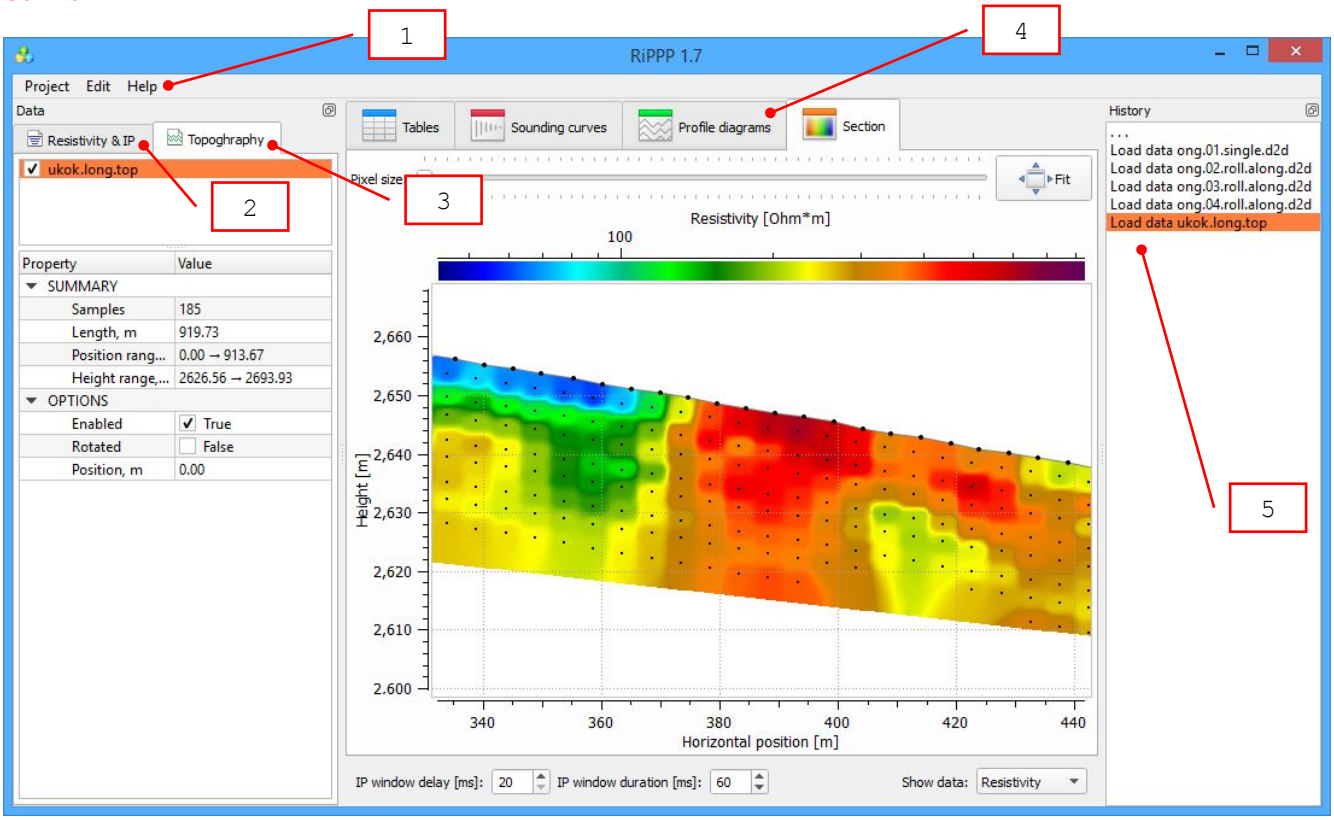
See examples for details.

SUPPORTED TOPOGRAPHY DATA FORMATS

1. Generic *.top data format.

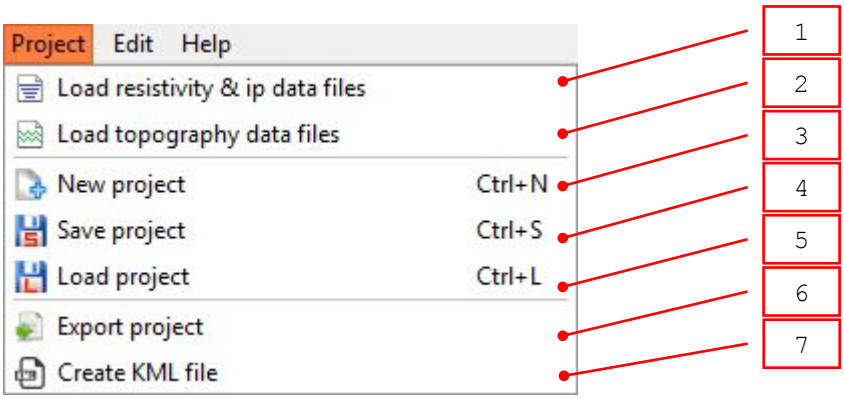
See examples for details.

GUI OVERVIEW

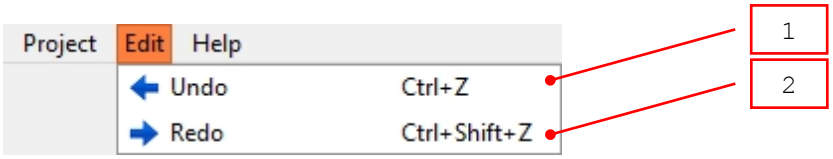


1. Main menu.
2. Resistivity & IP tab.
3. Topography tab.
4. Tables and graphics.
5. Operation history.

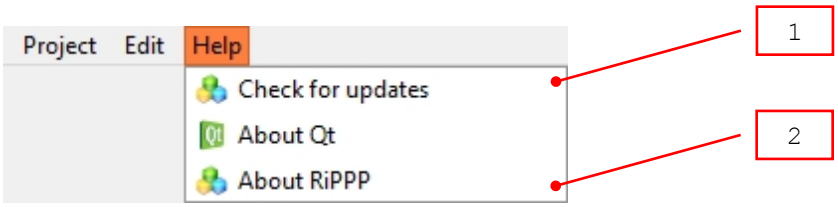
MAIN MENU



1. Click to load resistivity and IP data.
2. Click to load topography data.
3. Click to create a new project.
4. Click to save project to *.ppp (RiPPP) file.
5. Click to load project from *.ppp (RiPPP) file.
6. Click to export project to *.dat (Res2DInv), *.data (ERTLab) or *.csv (Excel) file.
7. Click to create Google Earth KML file.



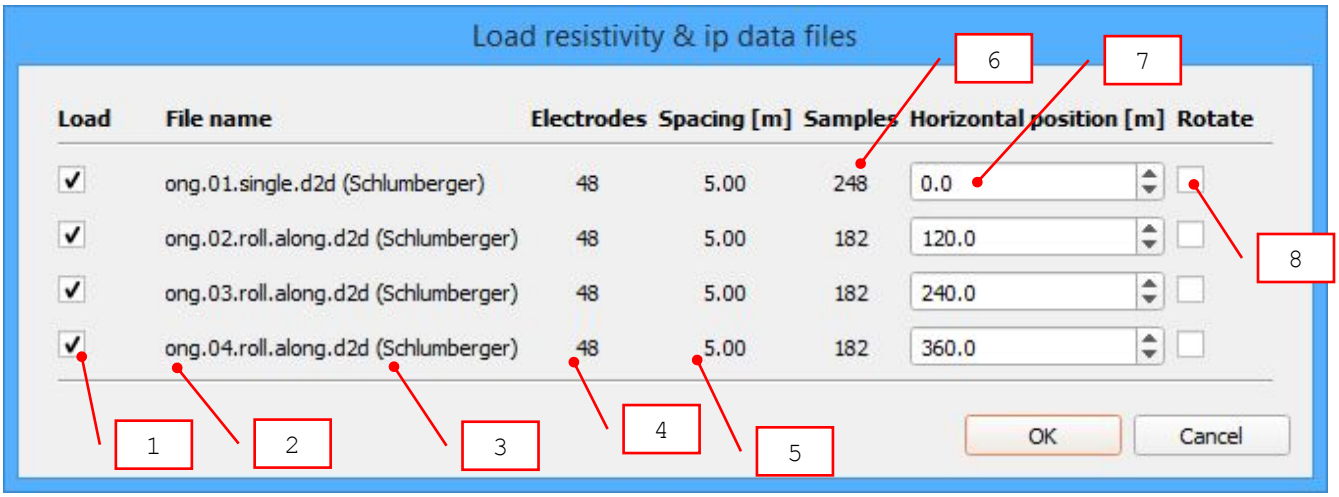
1. Click to cancel last operation.
2. Click to repeat canceled operation.



1. Click to download update.
2. Click to view RiPPP license agreement.

RESISTIVITY AND IP DATA LOADING

Click "Project – Load resistivity & ip data files" and choose files to load.

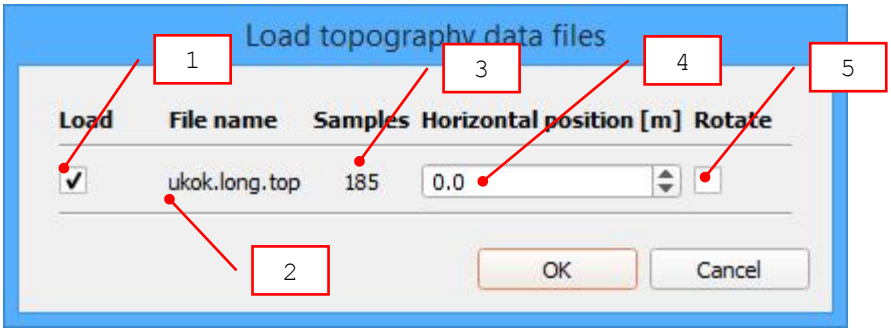


1. Check to load.
2. File name.
3. Array type.
4. Electrodes number.
5. Electrodes spacing.
6. Quadripoles number.
7. Set data origin position.
8. Check to rotate data relative to its own origin.

Horizontal coordinates of resistivity and IP data are distances along the ground surface.

TOPOGRAPHY DATA LOADING

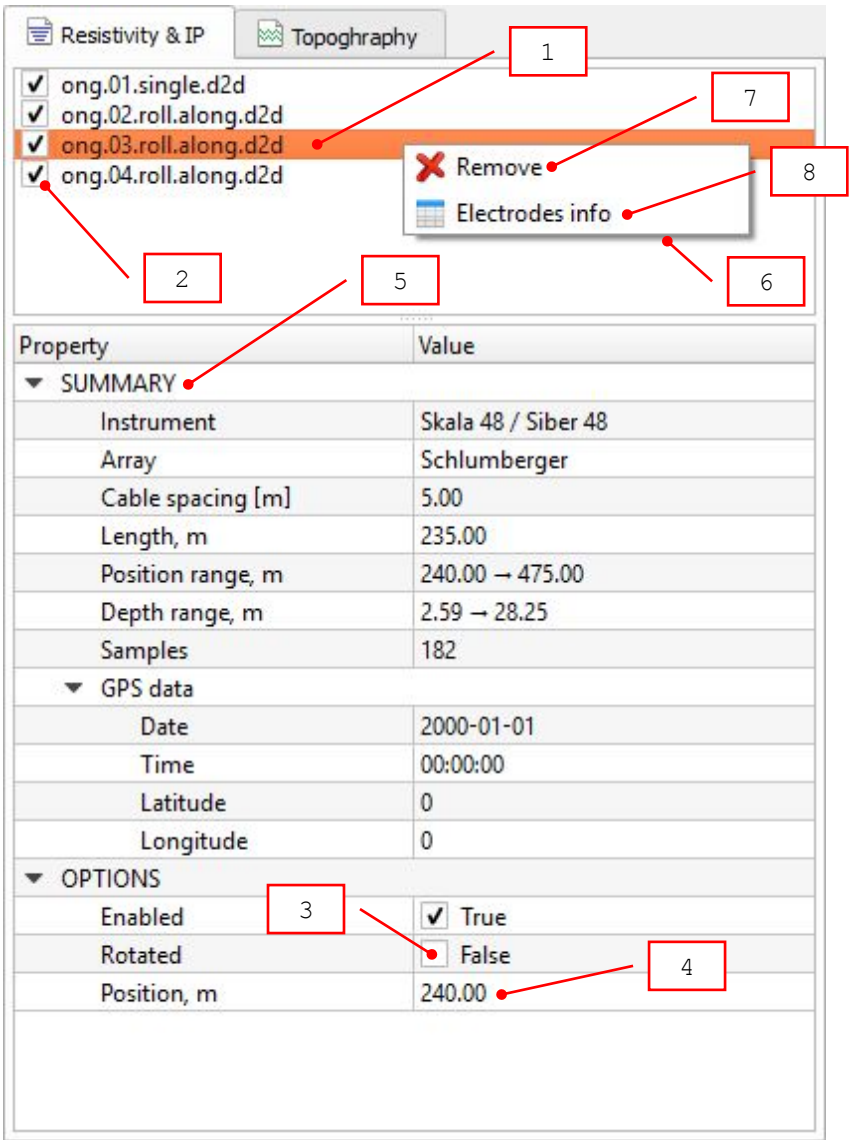
Click "Project – Load topography data files" and choose files to load.



1. Check to load.
2. File name.
3. Topography points number.
4. Set data origin position.
5. Check to rotate data relative to its own origin.

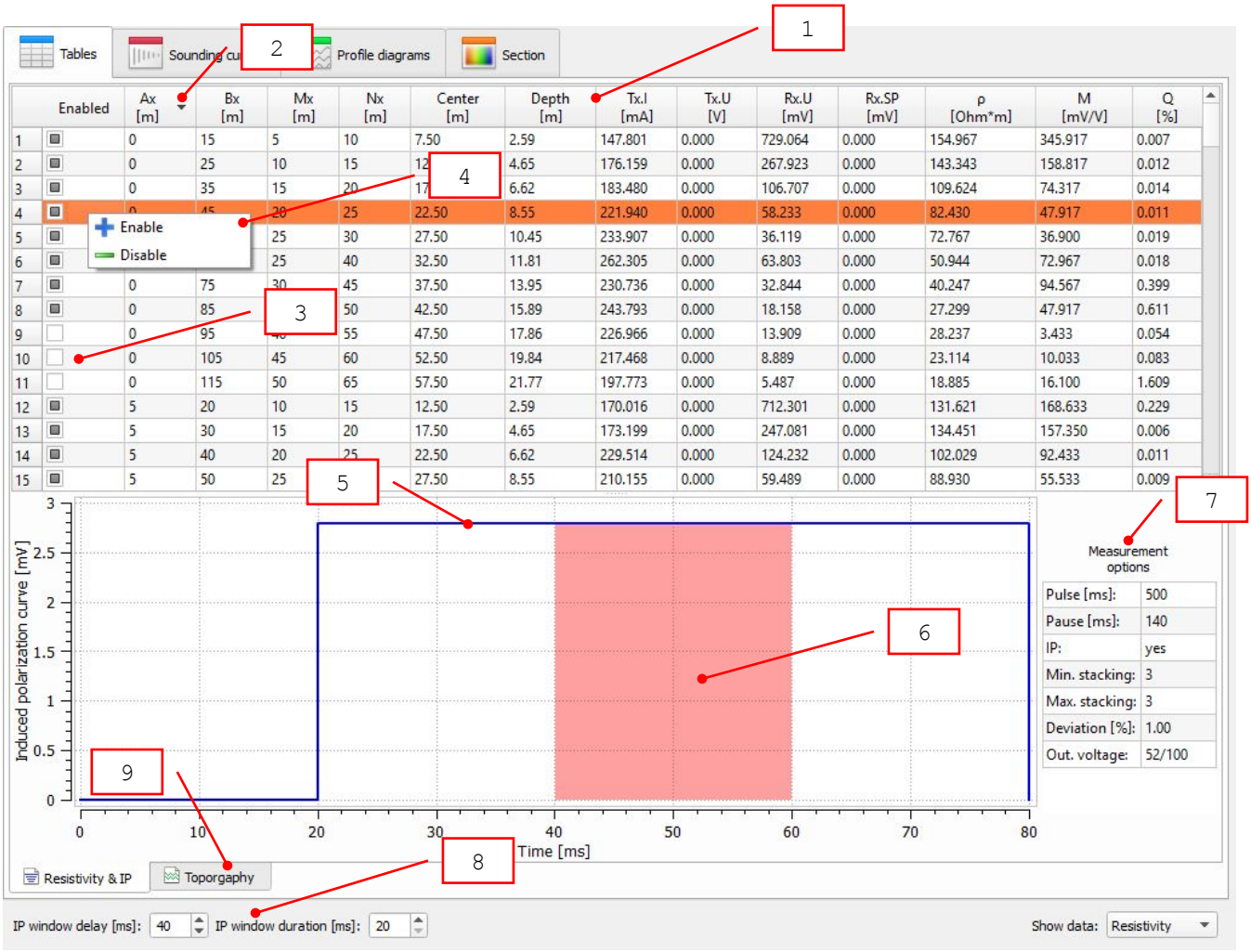
Horizontal coordinates of topography data are true horizontal distances.

DATA ARRANGING



1. Click a row to select data.
2. Click to enable or disable data.
3. Click to rotate data.
4. Current data origin position.
5. Data summary.
6. Make right click to open this menu.
7. Click to remove data.
8. Click to view electrodes grounding information.

TABLES



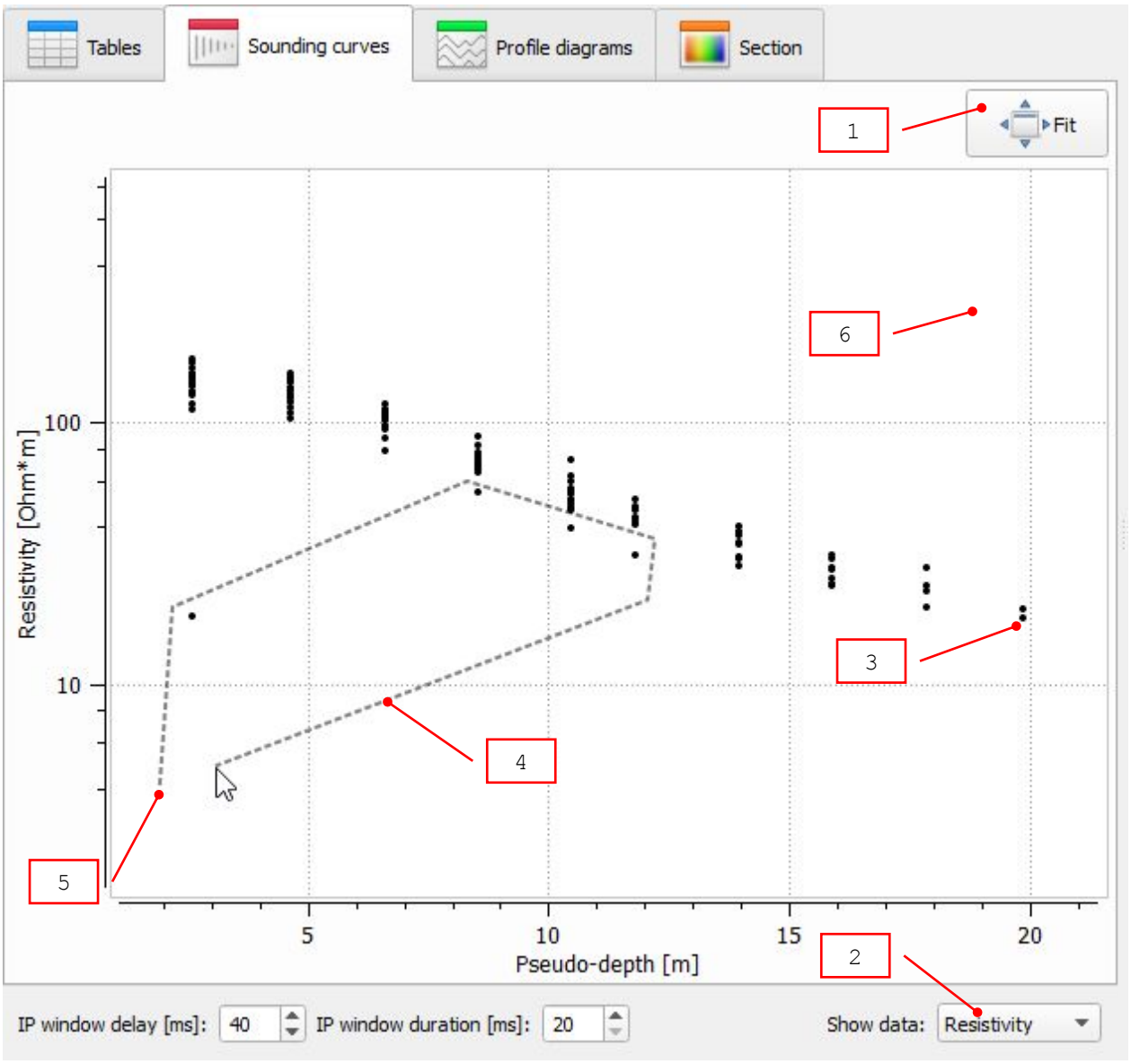
1. Table headers:

Enabled	Row enabled indicator.
Ax [m]	A transmitter electrode position.
Bx [m]	B transmitter electrode position.
Mx [m]	M receiver electrode position.
Nx [m]	N receiver electrode position.
Center [m]	Quadripole measurement center.
Depth [m]	Quadripole measurement depth.
Tx.I [mA]	Output current.
Tx.U [V]	Output voltage.
Rx.U [mV]	Input voltage.
Rx.SP [mV]	Self potential.
ρ [Ohm*m]	Apparent resistivity.
M [mV/V]	Apparent chargeability.
Q [%]	Resistance relative standard deviation.

2. Table sorting indicator. Click header section to sort data.

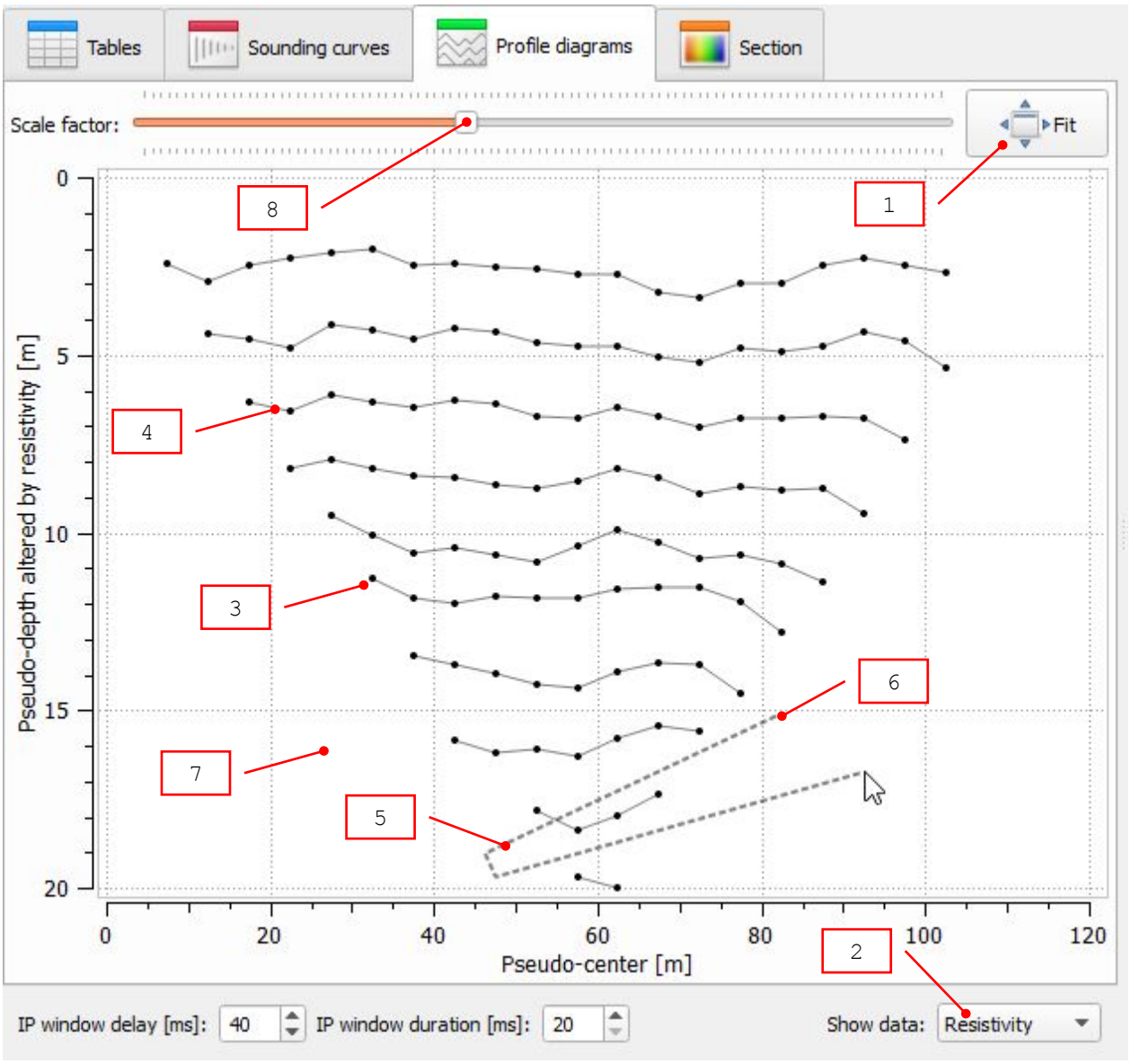
3. Quadripoles 9, 10, 11 are disabled.
4. Select rows and make right click to open this menu.
5. IP decay curve.
6. Current IP window (see 8).
7. Measurement options.
8. IP options.
9. “Topography” tab.

SOUNDING CURVES



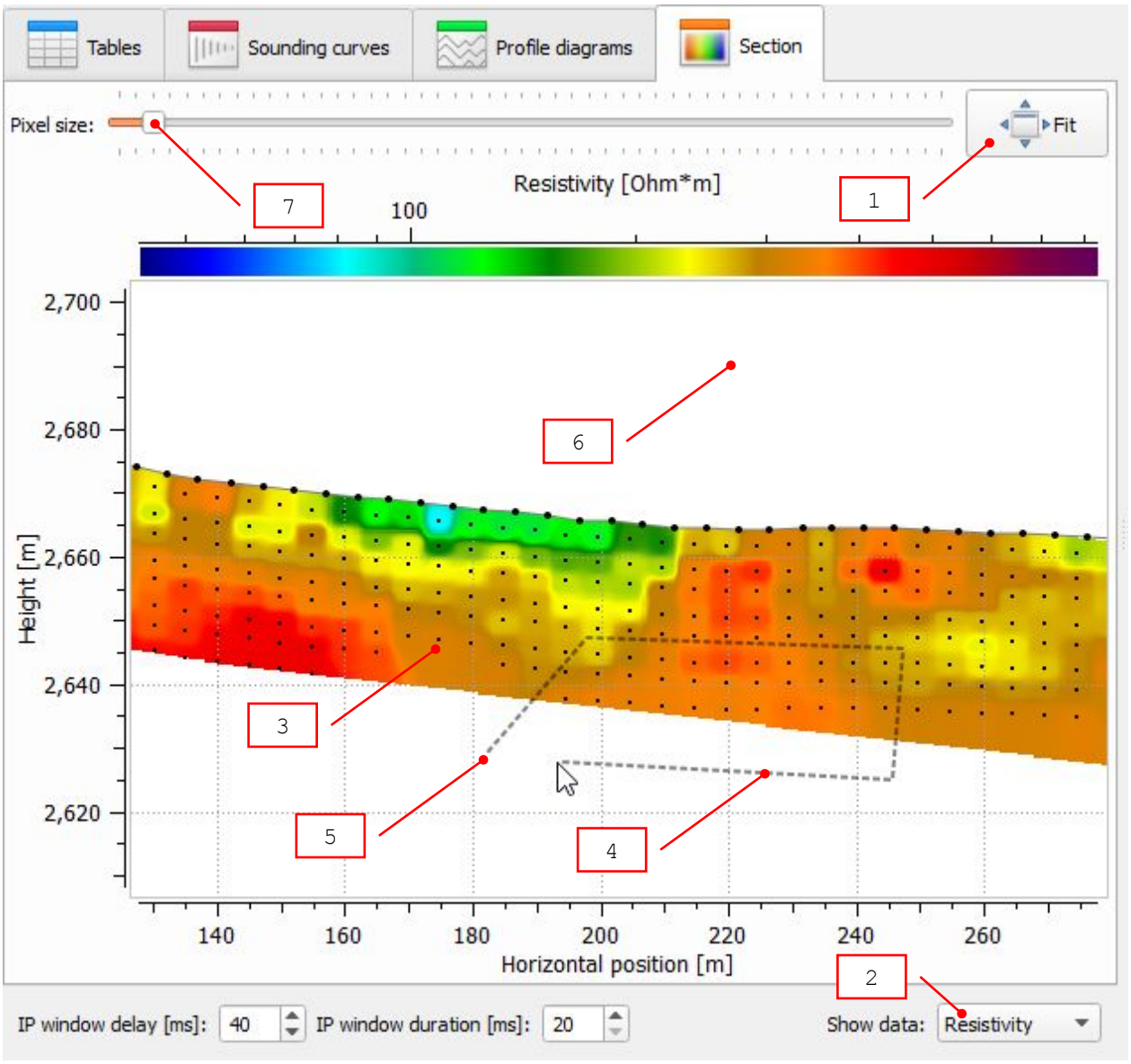
1. Click to scale plot automatically.
2. Choose resistivity or IP data to show.
3. Each enabled quadripole is shown as a single point.
4. Click coherently to make area selection.
5. Click at first selection point to disable quadripoles inside the selected area.
6. Rotate the mouse wheel to scale. Hold the mouse wheel to pan.

PROFILE DIAGRAMS



1. Click to scale plot automatically.
2. Choose resistivity or IP data to show.
3. Each enabled quadripole is shown as a single point.
4. Profile curve.
5. Click coherently to make area selection.
6. Click at first selection point to disable quadripoles inside the selected area.
7. Rotate the mouse wheel to scale. Hold the mouse wheel to pan.
8. Move to change profile curves scale factor.

SECTION



1. Click to scale plot automatically.
2. Choose resistivity or IP data to show.
3. Each enabled quadripole (or topography sample) is shown as a single point.
4. Click coherently to make area selection.
5. Click at first selection point to disable quadripoles (or topography samples) inside the selected area or export selected quadripoles to file.
6. Rotate the mouse wheel to scale. Hold the mouse wheel to pan.
7. Move to change image resolution.

FEEDBACK

Please send your error reports and suggestions to our bug tracker:

https://bitbucket.org/KBE2015/rippp/issues