EMpower Graphical Tools

PHOENIX
GEOPHYSICS

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Time Series / Spectra
(Basic graphics)

Recording Library

1. **Select:**
   a Click a recording from the timeline
   b Click a recording from the map
   C Click a recording from recording list

2. **Time Series / Spectra**
   a Mode
   - Time Series
   - Spectra
   b Data Type
   - TD_150 -   150Hz
   - TD_2400 -   2,400Hz
   - TD_24K - 24,000Hz
   - TD_96K - 96,000Hz
   c Unify Vertical Scale by
   - Do not unify
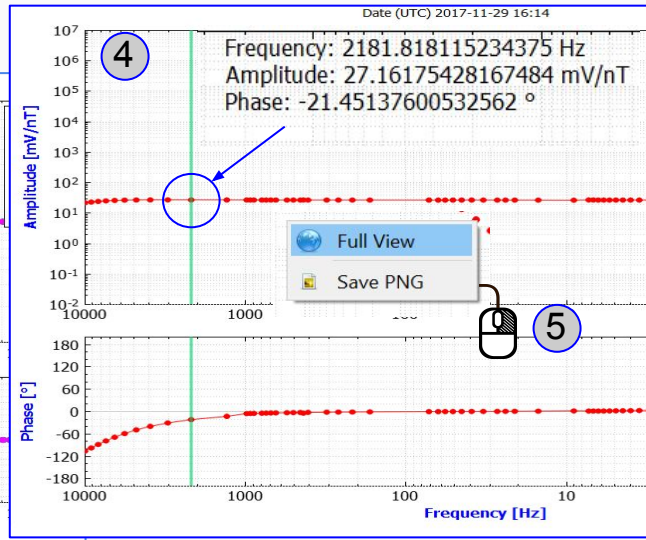   - Full range
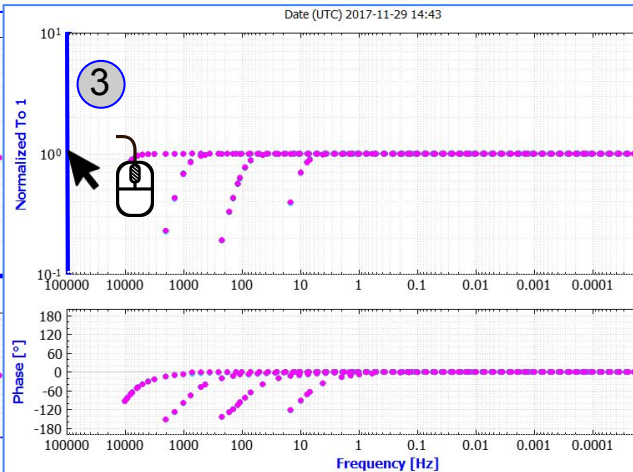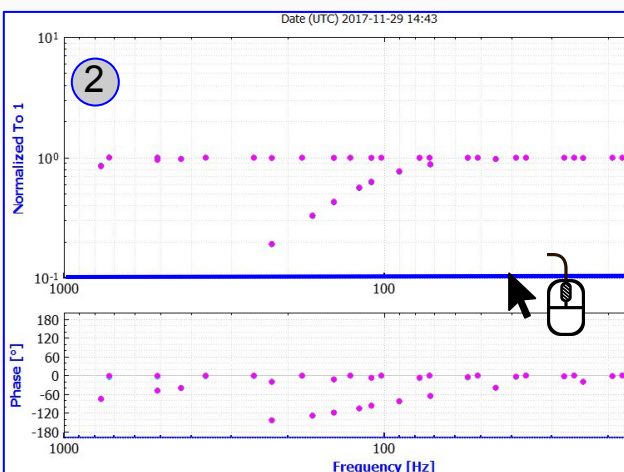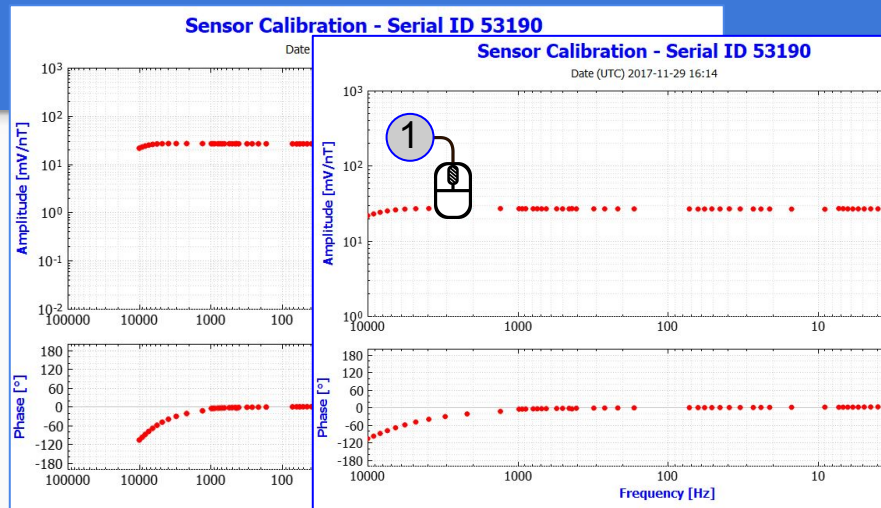   - By channel
   d Navigation buttons
   e Zoom in/out using the scroll wheel will Zoom (X axis).

General Features

1. Zoom in/out using the scroll wheel will zoom on Y and X axis.

2. Clicking X-axis (highlighted in blue) to zoom in/out using the scroll wheel will zoom on X-axis only.

3. Clicking Y-axis (highlighted in blue) to zoom in/out using the scroll wheel will zoom on Y-axis only.

4. View information about a selected point (use the arrow keys to move between points). *this information may be different depending on the plot*

5. Right click on the plot, and select Full View or export PNG file
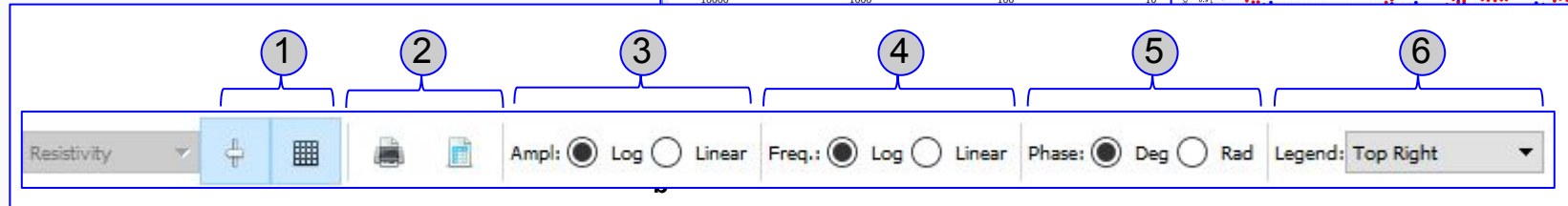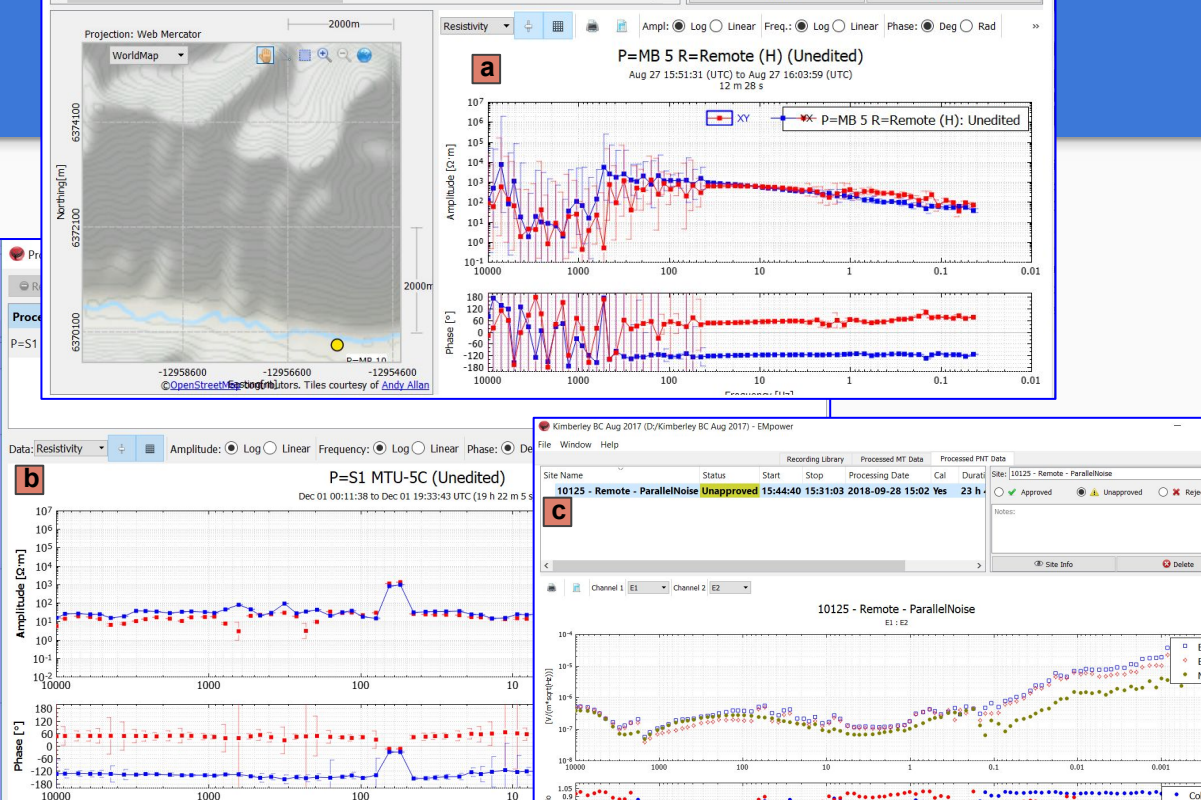
Do not apply to Time Series and Spectra

Toolbar Description

1. **Error bars / Grid**
   - Shows/hides error bars range
   - Grid icon scales the view to the error bars or to the plot
2. **Print / Export CSV file**
3. **Amplitude (Log/Linear)**
4. **Frequency (Log/Linear)**
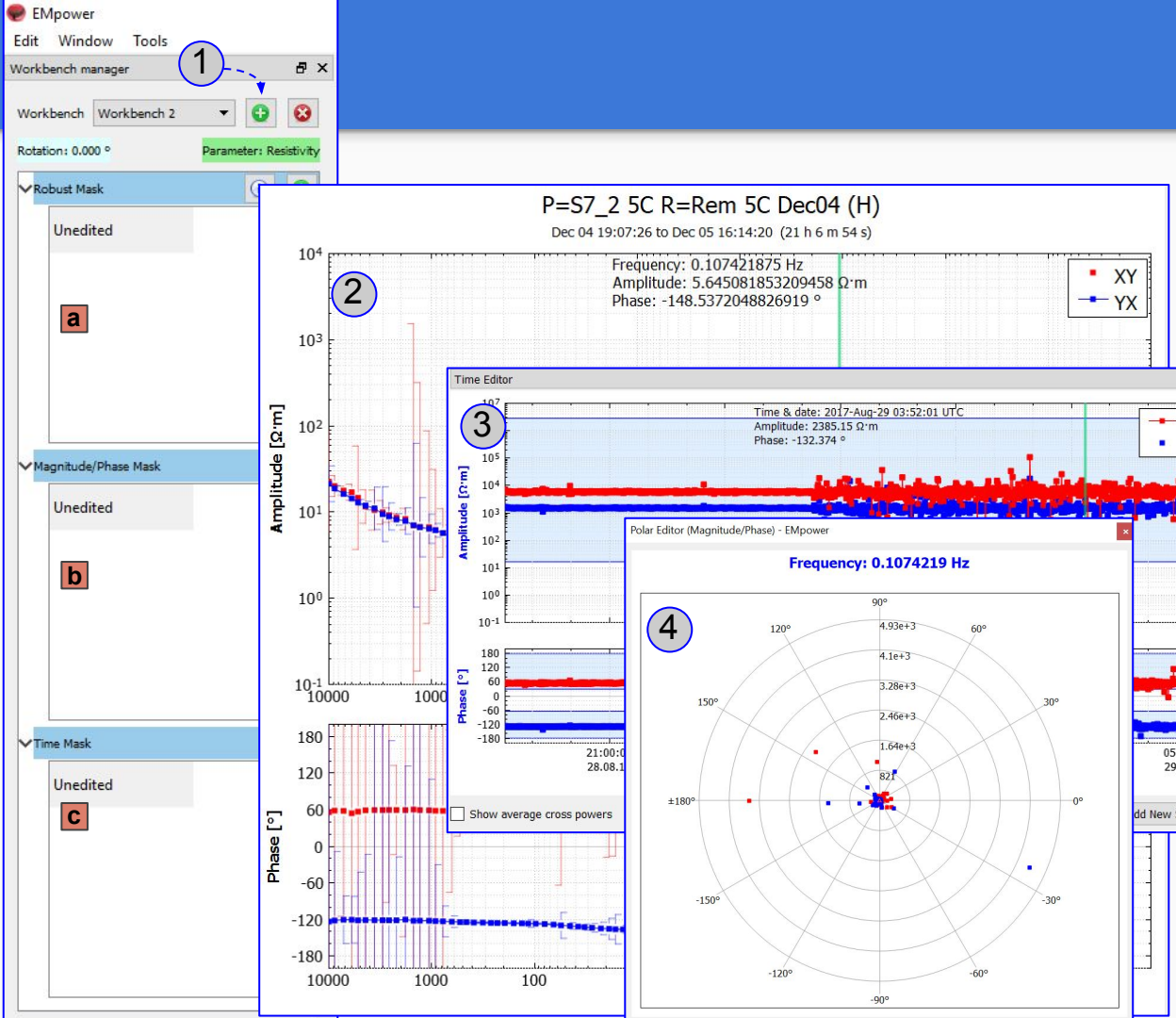5. **Phase (Degrees/Radians)**
6. **Legend (Top/Bottom)**

Toolbar available on:

a Processed MT Data
b Processing Queue
c Processed PNT Data

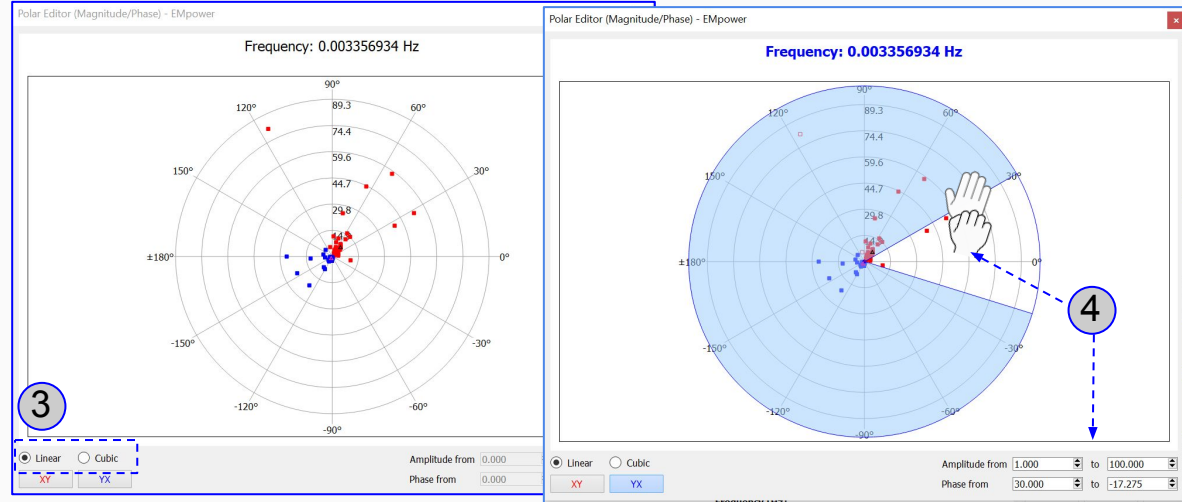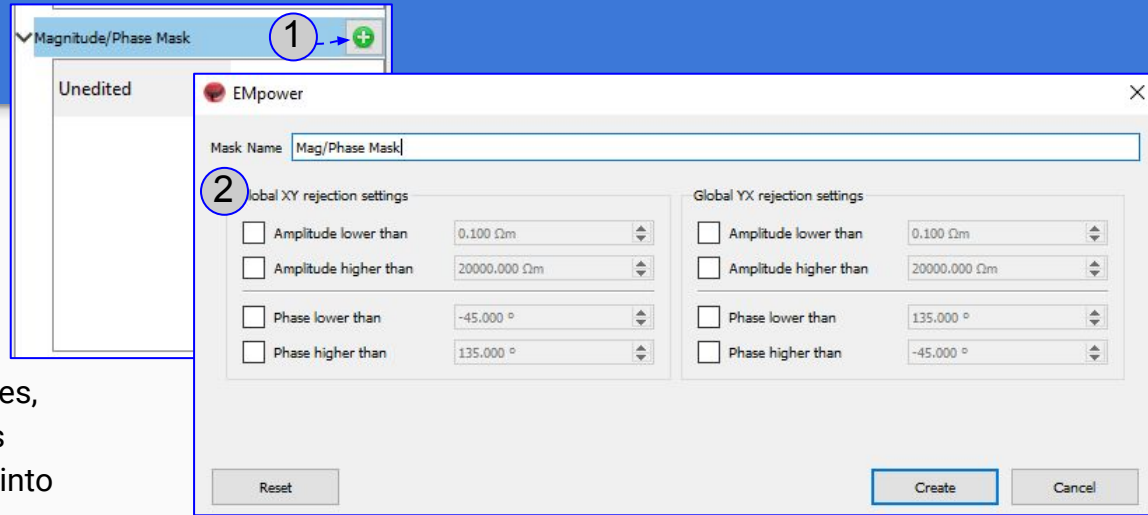# Edit Cross Powers

1. **Workbench manager**
   - Create a new workbench
   - Create masks for
     a Robust
     b Polar Editor (Magnitude/Phase editor)
     c Time Editor

2. Site plot (select a frequency)

3. Time Editor (showing how data changes over time)

4. Polar Editor (Expressed in polar coordinates, with radius as a function of angle)
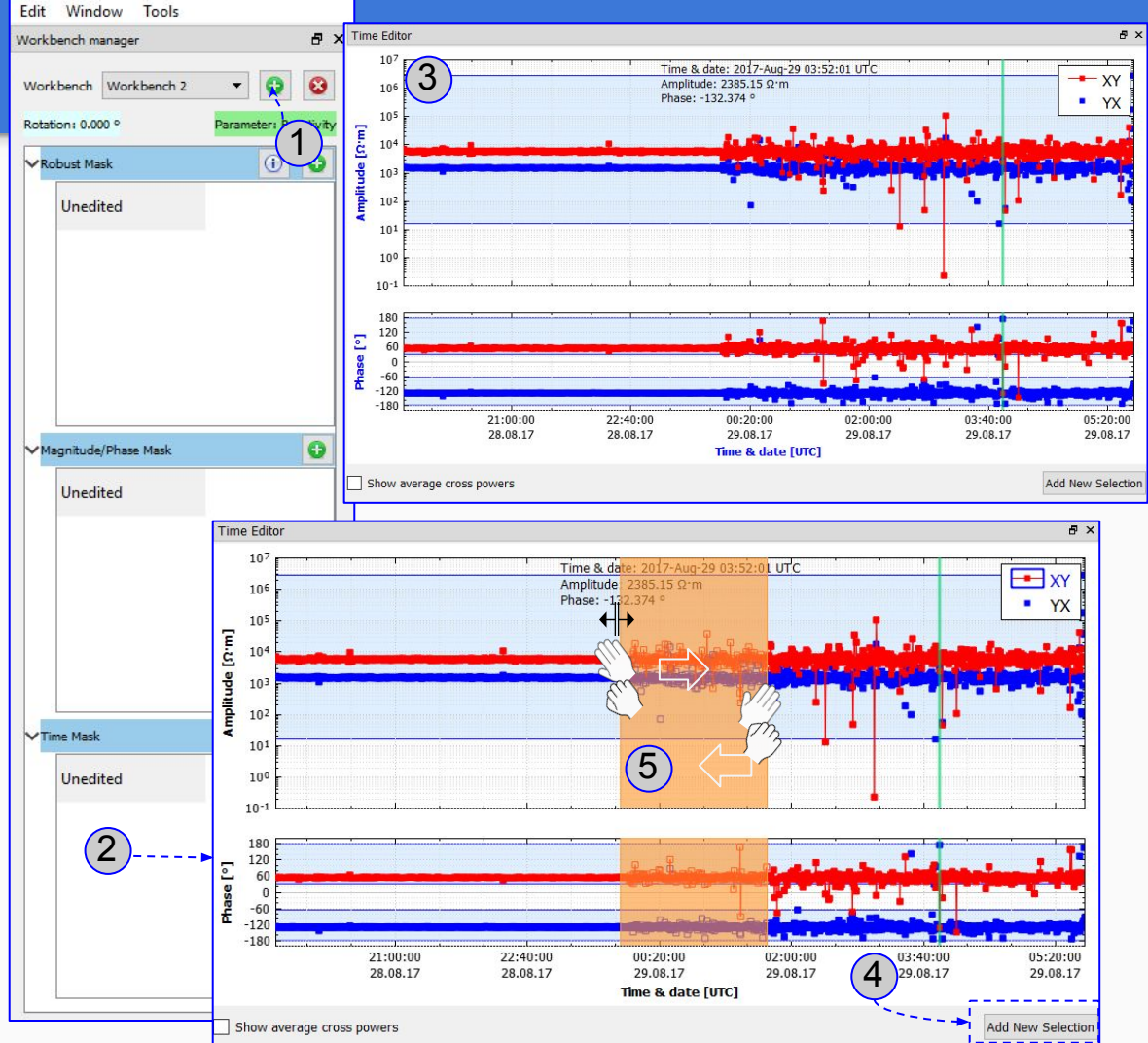
Polar Editor Features

1. After create a new Workbench
   - Create a new Mask for Polar Editor
   - Adjust the Global **XY** and **YX** rejection settings

2. Select between **Linear** and **Cubic views**

3. Click XY or YX button to switch between ranges, edit the ranges by either dragging the handles with your mouse or manually entering values into spin boxes.

Times Editor Features

1. Create a new **Workbench**

2. Create a new Mask for **Time Editor**

3. Click XY or YX button to switch between ranges.

4. Click **Add New Selection**

5. Click on the plot and select the range by dragging the handles to the left with your mouse.

Processed PNT Data

1. Export / Print the plot

2. Select the channels signal that will be displayed

3. Review the Noise