

EMpower Data Visualization Tools



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Time Series and Spectra

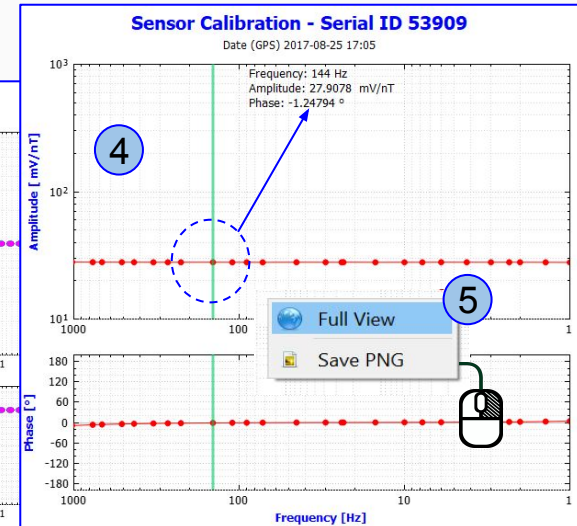
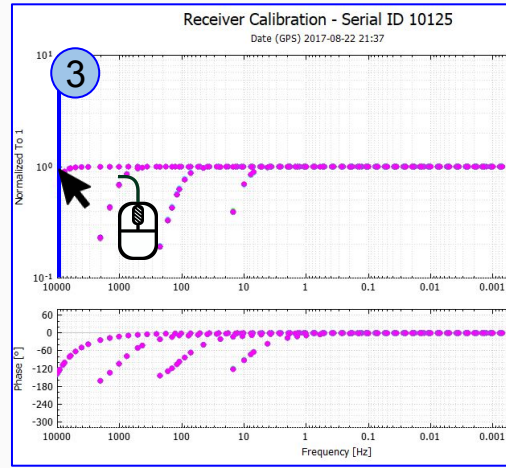
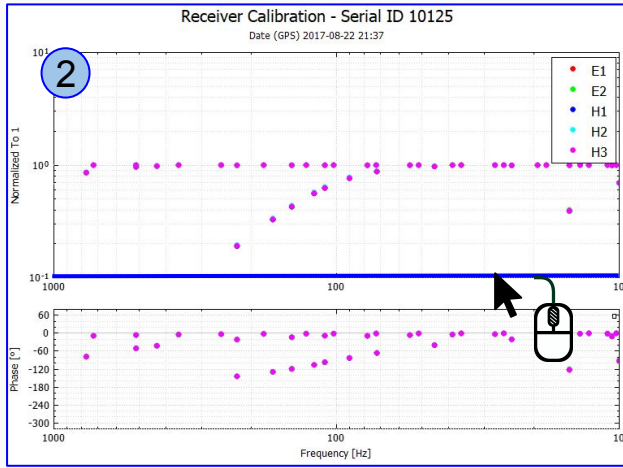
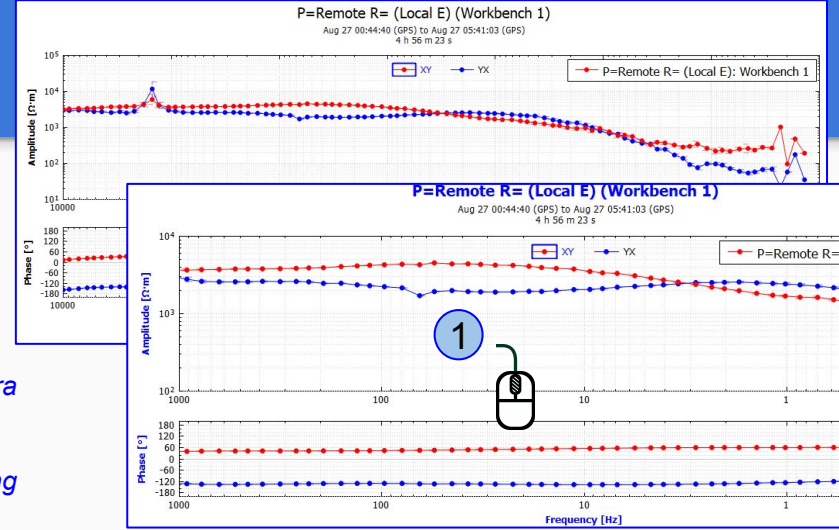
(Basic graphics)

1. Use the **Mode** drop-down list to switch between **Time Series** and **Spectra**
2. Select the **Sample Rate** using the **Data Type** drop-down list
3. Define the plot range start using **Viewing time from (GPS)**, the navigation buttons or the scroll selector
 - 3.1. If viewing a continuous time series decimation level, define the view range length using the **Duration(s)** field
 - 3.2. If viewing a sparse decimation level (i.e. TD_24) the length on the view will be on **chunks per slot**
4. Select scaling per plot using **Unify Vertical Scale by**
5. Use **Metadata Tag** to position the legend within the plot
6. Using the scroll wheel will zoom in or out in the X axis only.






General Features

1. Zoom in/out using the scroll wheel, this will zoom on the Y and X axis.
2. Clicking the X-axis (*highlighted in blue*) to zoom in/out using the scroll wheel will zoom on **X-axis** only.
3. Clicking the Y-axis (*highlighted in blue*) to zoom in/out using the scroll wheel will zoom on the **Y-axis** only.
**These features do not apply to Time Series and Spectra*
4. Click on a point to see information about the selected point (use the arrow keys to move between points). **This information may be different depending on the plot*
5. Right clicking on the plot, offers the options **Full View** or **Save PNG**



Toolbar Description

1. Visual tools

-  Shows/hides error bars range
-  Grid icon scales the view to the error bars
-  Lock /Unlock plot scale (*applies to all sites*)
 - Zoom in to the desired scale
 - Click on lock icon to lock the plot scale to the current state

2. Print / Export to a CSV file

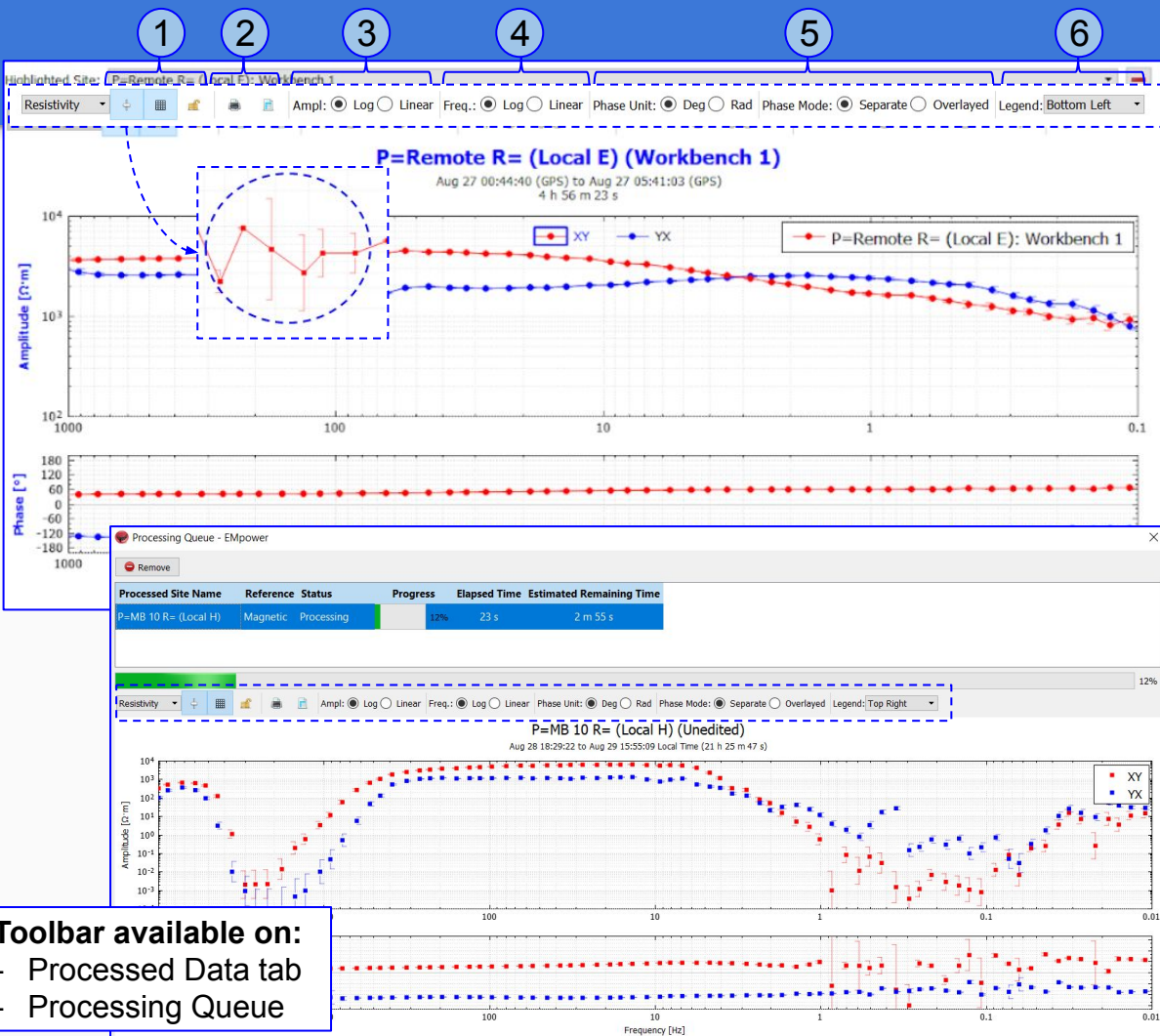
3. Amplitude (Log/Linear)

4. Frequency (Log/Linear)

5. Phase

- Unit: Degrees / Radians
- Mode: Separate / Overlaid

6. Legend (*Top right/left and Bottom right/left*)





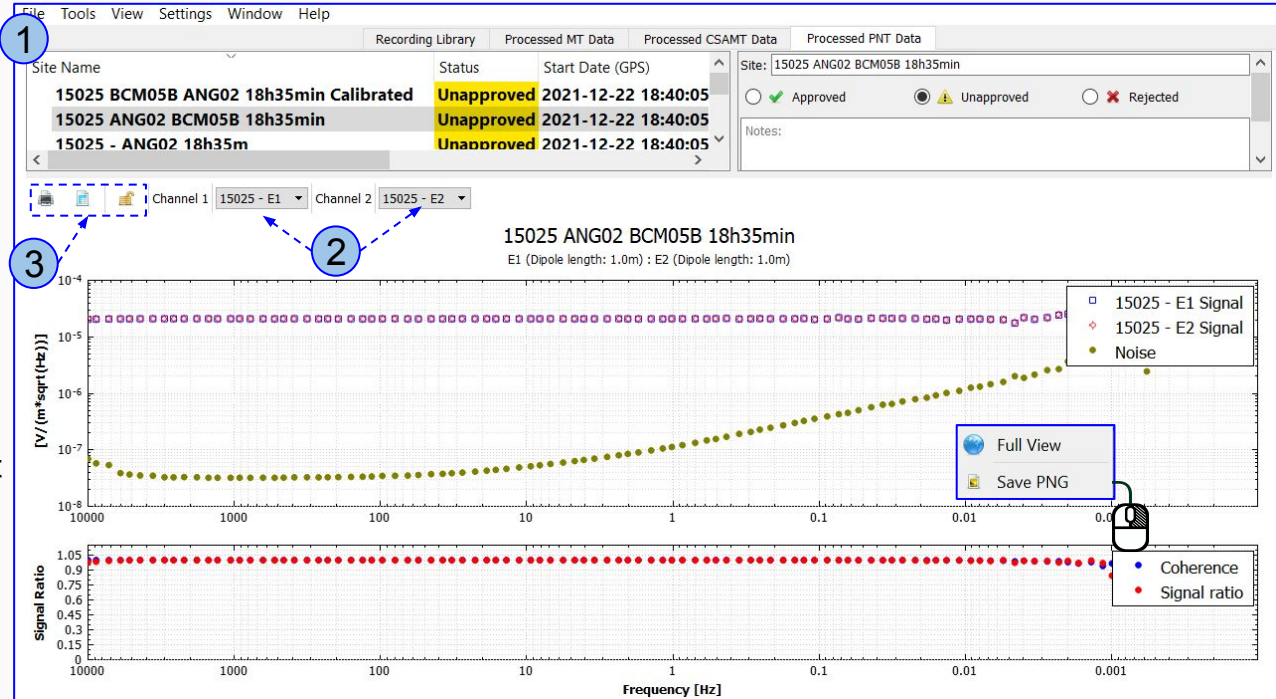
Toolbar available on:

- Processed Data tab
- Processing Queue

Processed PNT Data Plot

This tab shows the Parallel Noise recordings

1. Select the **Site**
 2. Select the **Channels Signal** to be displayed
 3. Tools
-  **Print** the plot
 -  **Export** the values in CSV format
 - Lock / Unlock** plot scale



Edit Cross Powers

1. Workbench manager

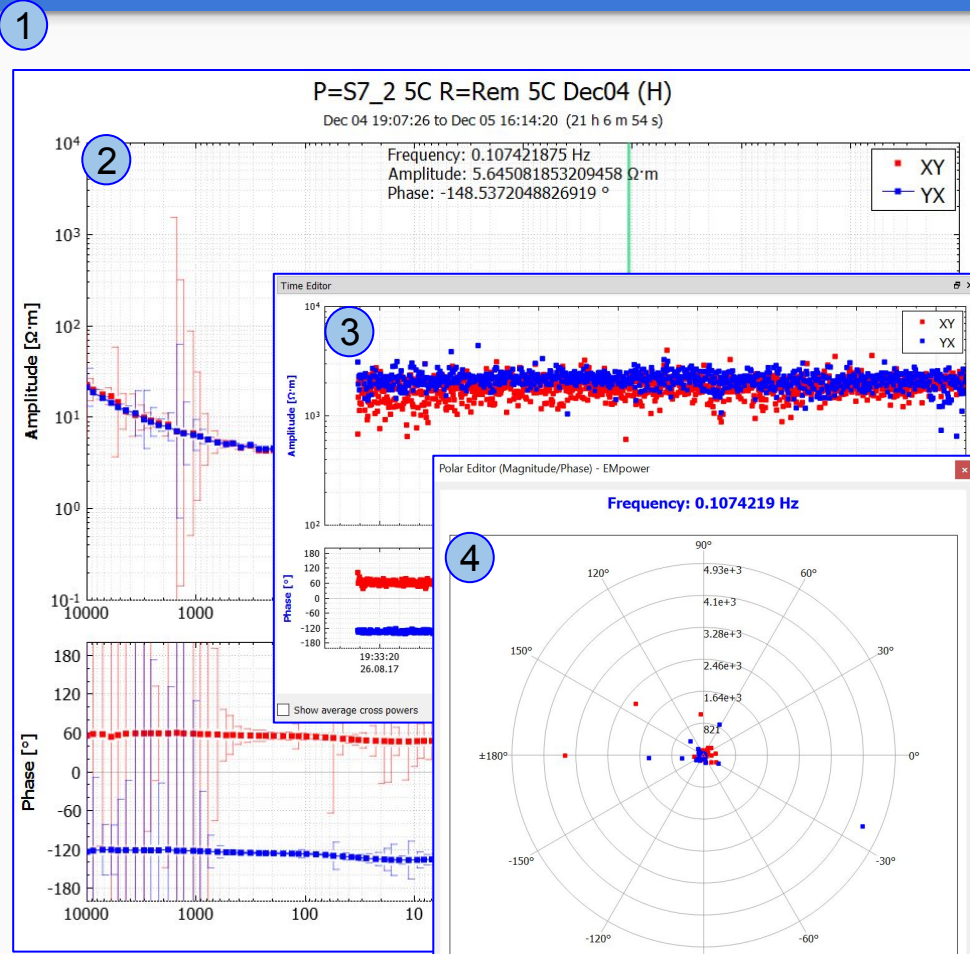
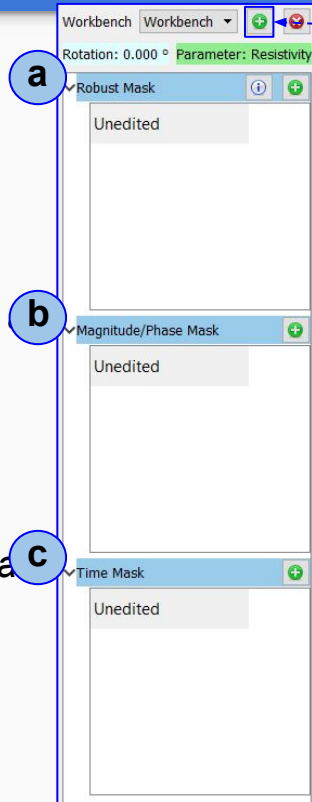
- Create a new workbench
- Create masks for
 - a** - Robust Mask
 - b** - Polar Editor
 - c** - Time Editor

2. From the resultant plot (select frequency)

3. Time Editor

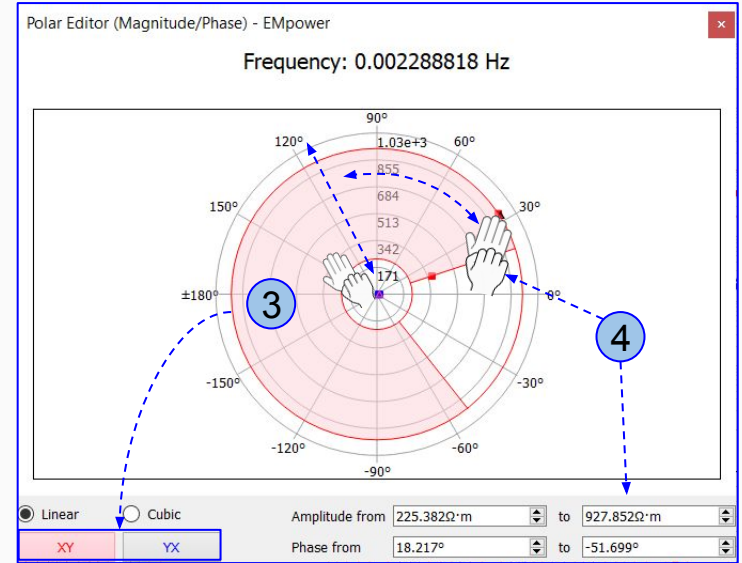
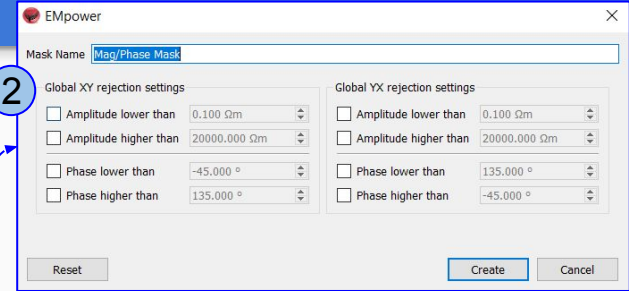
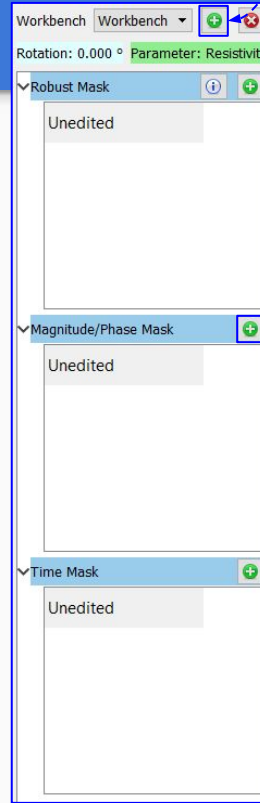
- Shows how data changes over time

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



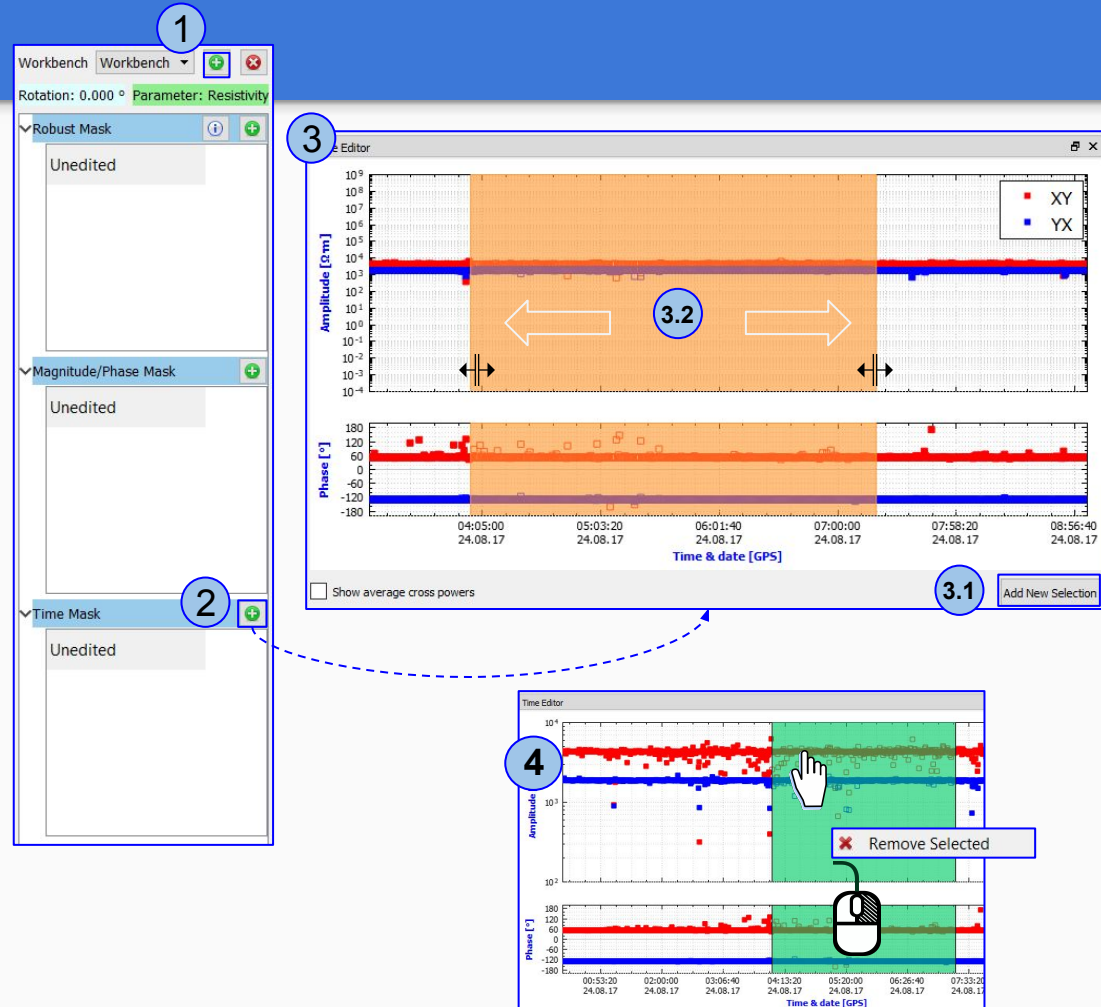
Polar Editor Features

1. Create a new Workbench
2. Create a new Mask for the Polar Editor
 - Adjust the Global **XY** and **YX** rejection settings as needed
3. Choose a Frequency and select from the **Linear** or **Cubic** views
4. 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 the spin boxes. (see the [Crosspower Editor](#))



Times Serial Editor Features

1. Create a new **Workbench**
2. Create a new **Mask** for the **Time Editor**
3. To Add a New rejection area
 - 1.1. Click the a **Add New Section** button
 - 1.2. Select the area by dragging the handles with the mouse to the right or left.
4. Right-click to delete the selection





Please check out the [FAQs](#)

<https://phoenixgeophysics.freshdesk.com/>

Or email us at: support@phoenix-geophysics.com