

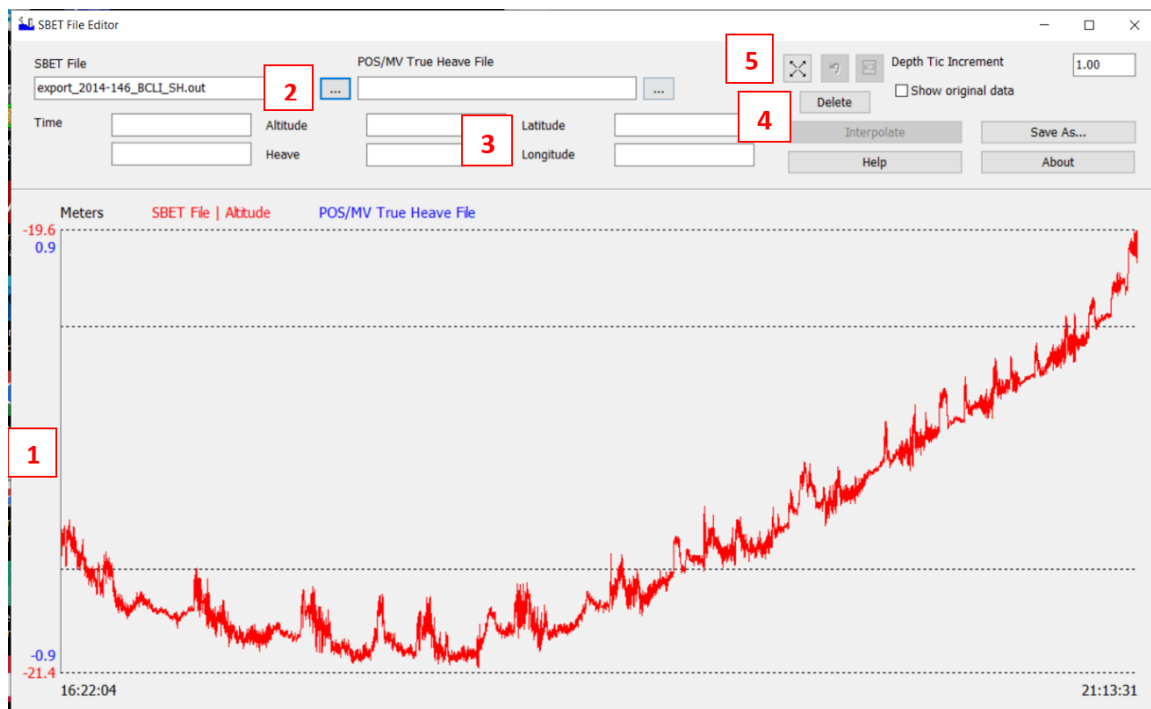


# SBET Editor Updates

By Jocelyn Kane

Accessible from the HYPACK Shell, SBMAX64, and MBMAX64, the SBET Editor is a useful tool for users to edit SBET elevations and has received a handful of changes. From a bug fix to a new editing capability, I will lay out all five new implementations, each corresponding to a number marked at its location in Figure 1 for your reference.

Figure 1. SBET Editor



## UPDATE #1

When you first load an SBET file and the altitude is drawn in red on the graph, a blue line for the heave used to be drawn at 0 as well. **This line is no longer drawn until the POS/MV True Heave file is actually loaded and an accurate line can be drawn.**

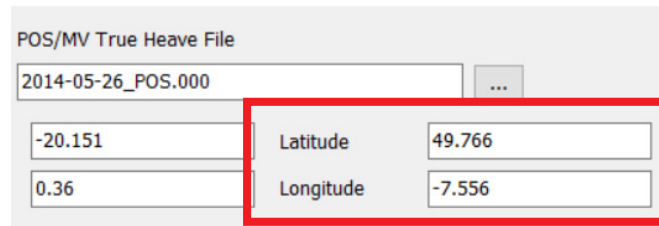
## UPDATE #2

A bug has been fixed related to loading True Heave files. Previously only files with the extension \*.000 were able to be selected, but **now the user is able to select any or all of their True Heave files with different extensions such as \*.001, \*.002, etc.**

### UPDATE #3

Additionally, the **SBET Editor** now keeps track of the **Longitude and Latitude** from your **SBET file**. Just like Time, Altitude, and Heave have boxes in the upper bar of the editor that populate with the corresponding values of data at the current point of the cursor and change with its movement, there are now additional boxes to show both the latitude and longitude data as well.

Figure 2. Latitude and Longitude of Floating Cursor

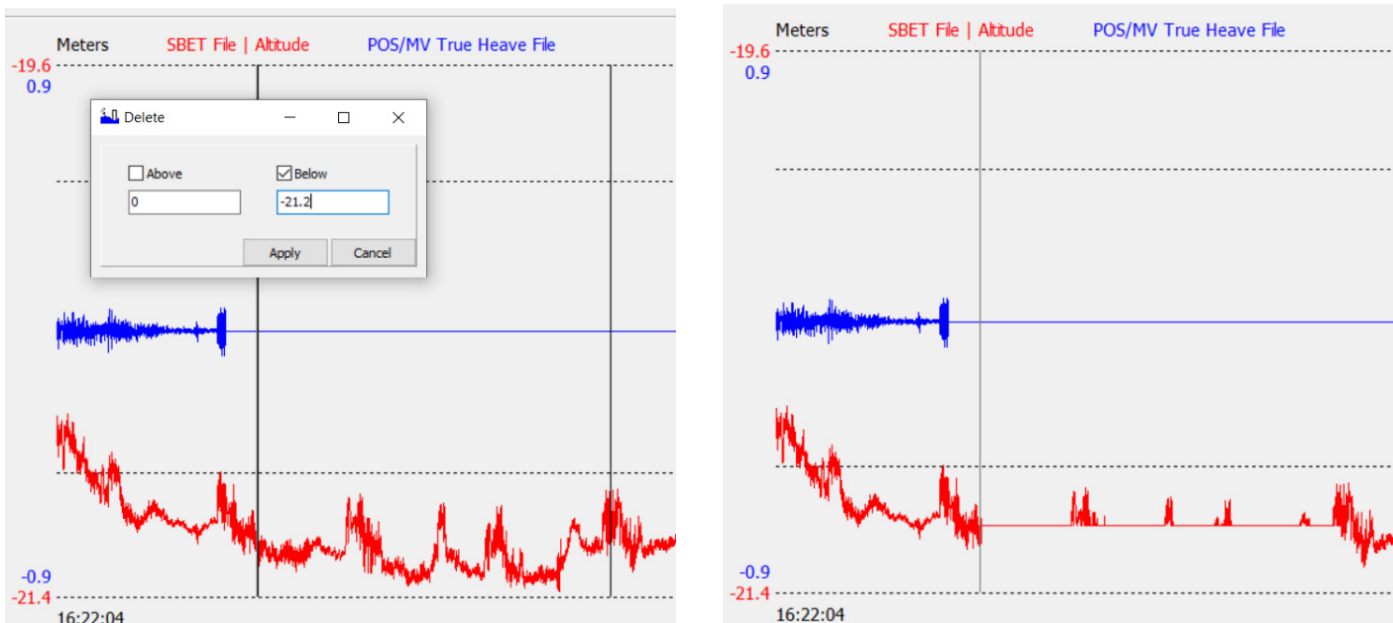


### UPDATE #4

Possibly the biggest change, a new **[Delete]** button has been added to the editor that **enables the user to delete data above or below a specified value**. This capability is helpful if you have many data spikes throughout. Instead of selecting multiple small areas to delete and interpolate, you can eliminate the bad data in one go.

After clicking the **[Delete]** button, check the box for **Above** and/or **Below** and enter the value to use in the edit box underneath your selection. Hit **Apply** when you are ready, or **Cancel** if you change your mind. If the bad data is contained to one section of the graph, select that area before clicking **Delete**. This will contain the search for out of bounds points to include in interpolation and speed up processing. It is important to also note that if you are deleting the first or last point of data, the altitude of that point will be changed to the value you entered in the **Delete Form** in order to remove the spike.

Figure 3. The Delete Form with Data Selected (Left), and the Data After Using Delete (Right)



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## *UPDATE #5*

Lastly, the **Zoom Extents** button has been improved to better show points on the graph. If a user had edited the data and does not have Show Original Data checked, Zoom Extents is based solely on the current data that is visible. If Show Original Data is checked and Zoom Extents pressed again, the graph will zoom to include that data as well.