

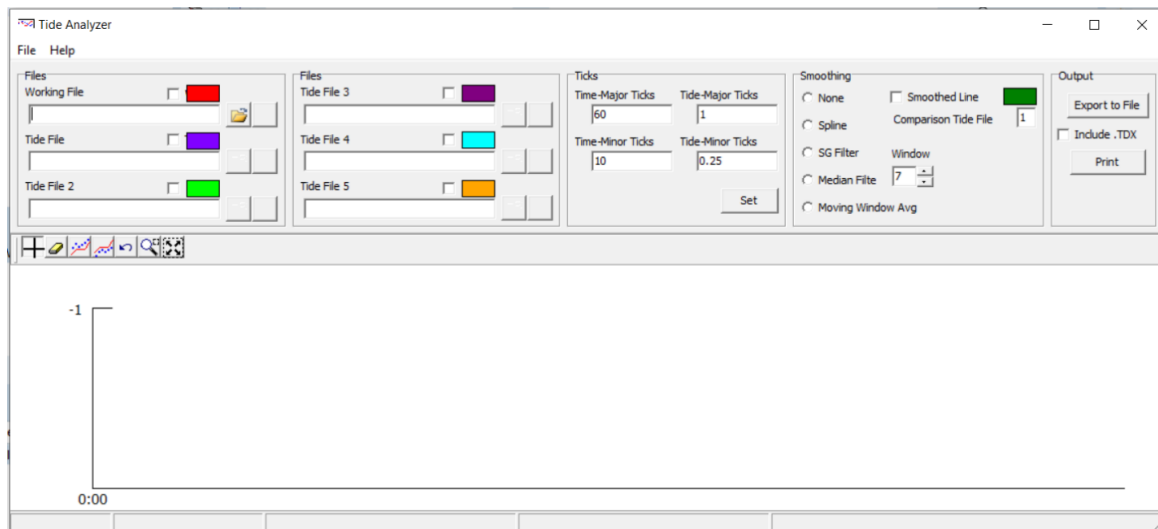


Tide Analyzer Revamp

By Jocelyn Kane

The Tide Analyzer program has been a simple but handy tool to compare tide values from a working file to those in a TID file for a while. Recently, the program was revamped to extend its capabilities and give users a lot more options when working with their tide data.

Figure 1. Tide Analyzer

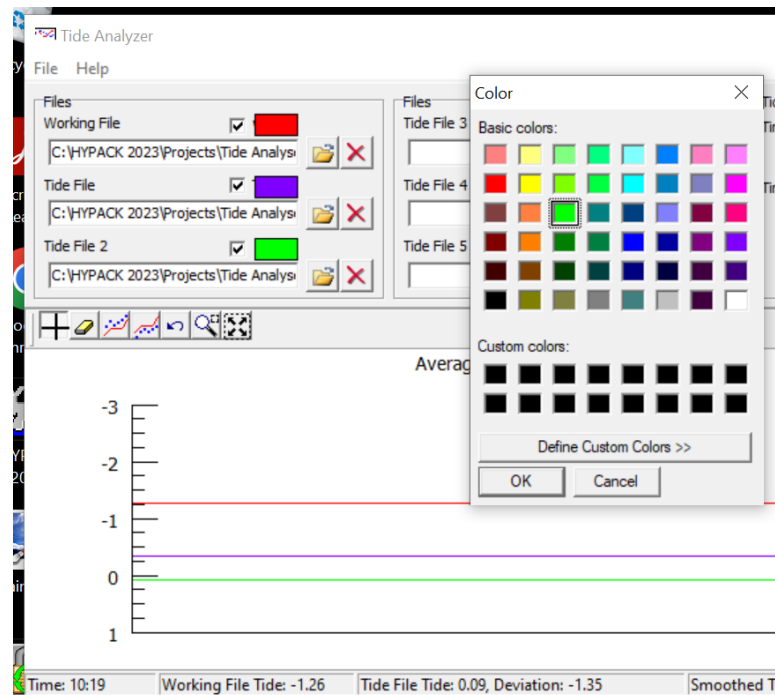


The changes are immediately noticeable upon opening the program. Instead of one small section to pick your two files, half of the upper area is now updated for you to select up to six files. The first two files are the same as before, a Working File and a TID file, and the rest are for additional tide files that can be any file type just like the Working File.

VIEWING THE FILES

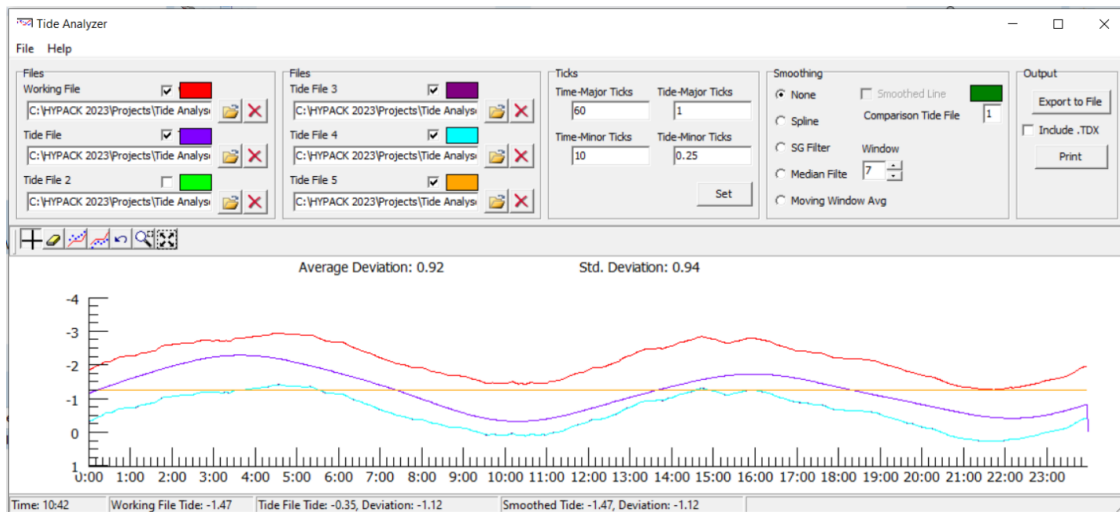
With so many files loaded at once, you may want a clearer comparison between a select few. Above each file is a checkbox that is checked when the file is drawn on the graph. If you do not want to see a particular file's data drawn on the graph, uncheck that box. Furthermore, the color of each file on the graph is displayed in a rectangle next to the checkbox. Click on the colored rectangle to change the color that the data is drawn in.

Figure 2. File Options



Additionally, the graph will display as much data as possible, which means if the loaded tide files are for different lengths of time, the graph will cover the shorter of the two time frames between the Working File and Comparison Tide File. When the Comparison Tide File is changed or a new Working File is loaded that covers a different time span, the graph will update.

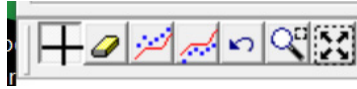
Figure 3. Graph with Updated Time Span



EDITING THE DATA

For the most part, editing the tide data is still the same. The options on the top left of the graph - most notably Erase, Delete Above, and Delete Below - have not changed in functionality or their location.

Figure 4. Graph Editing Options



However, with extra files present, you now have to choose which Tide File to use to edit your Working file. Located in the Smoothing section, type the number of the file you want to use in the Comparison Tide File box. This file is used for the smoothing options, as well as the Tide File Tide and Deviation values displayed at the bottom of the window. When you load a new file, its number automatically populates the Comparison Tide File, and when removing a file the number will decrement to the next loaded Tide File.

Figure 5. Smoothing Options

