



# Monitoring Multiple Tides in SURVEY

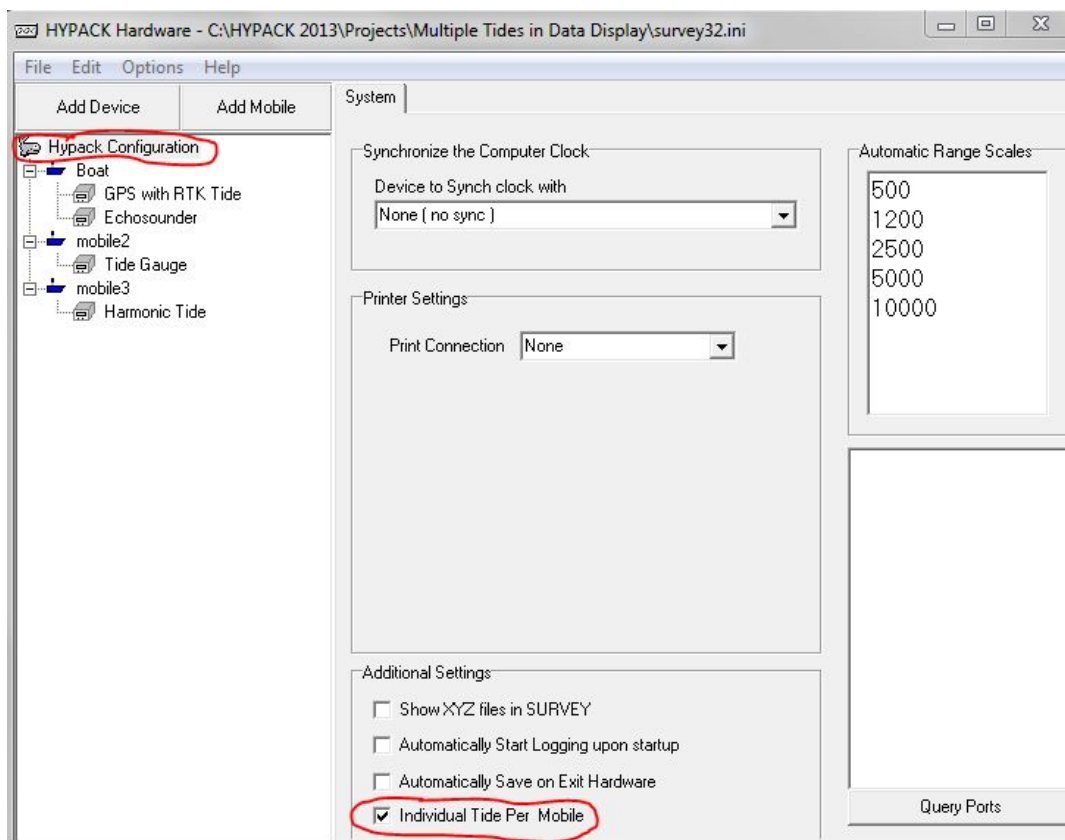
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The HYPACK Technical Support center recently received a request to monitor multiple tide sources in SURVEY. Although there are no options to show multiple tides in a single graph at the moment, it is possible to track multiple tides in the HYPACK® SURVEY data display with some creative work in HYPACK® HARDWARE.

## In HYPACK® HARDWARE:

1. **Add a mobile in HYPACK® HARDWARE for each individual instance of a tide.** For this example, let's add the GPS.dll (with RTK Tide option), as well as an echosounder driver, to the boat. Then we must add two more mobiles, each with its own instance of a tide driver. For this example, we'll use the Tide Gauge Driver (TideDR.dll).
2. **Open the System tab** (Click 'HYPACK Configuration' near the top left of the device list) and **check Individual Tide Per Mobile.**

*FIGURE 1. The Sample Configuration — Three Mobiles, Each with a Driver with Tide Capabilities (The device drivers shown in the image below have all been renamed.)*



Now that we have our HYPACK® HARDWARE all set up, let's head into SURVEY...

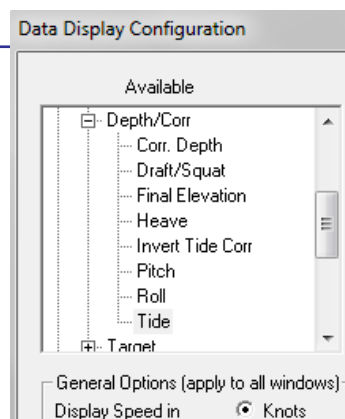
## In HYPACK® SURVEY:

**Rename each tide source** in the Data Display Configuration window. The RTK Tide option from the GPS shows up as Tide under "Boat > Depth/Corr. > Tide" in the list of available data.

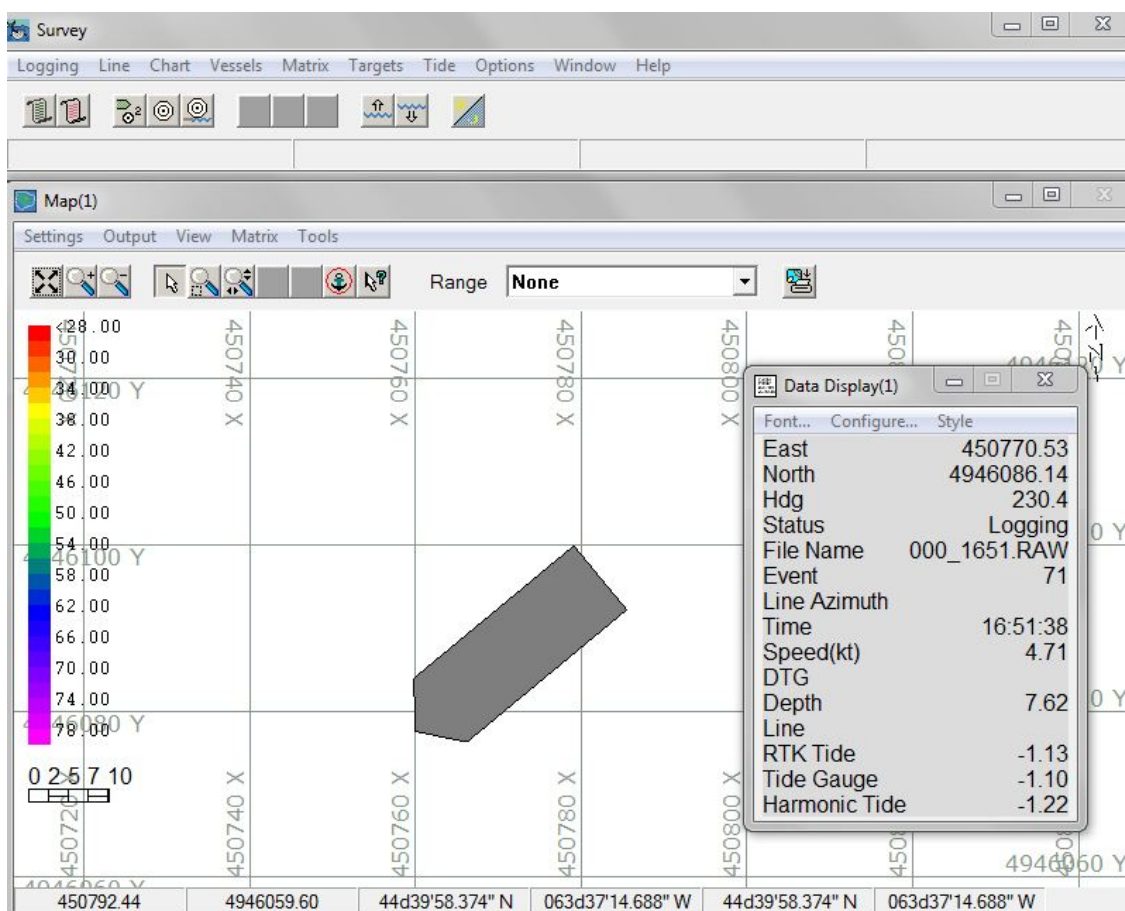
The tide devices on the other two mobiles each appear in the same manner under the name of the mobile to which they are assigned.

**FIGURE 2. Renaming the Tide Item in the Data Display Configuration**

By *slowly* clicking twice (not a double-click) on the “Tide option”, it allows us to rename it to RTK GPS (or whatever we want). The last step is to add it to the data display and click “OK”...



**FIGURE 3. Three Tide Values in the Data Display Window**



Now we can monitor three different tide sources real-time in Survey!