



Environmental Sensors and Generic Device Parser

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Frequently, people call in with an unusual sensor they would like to use within HYPACK® to take some measurement. Many custom drivers have been created in order to serve oddball devices such as wind sensors, turbidity monitors, or pipeline detectors. An upcoming change to the Generic Device Parser seeks to relieve this by allowing for support of SMI (Special Marine Instruments) records. Additionally, it can now process multiple delimiters.

FIGURE 1. Switching to SMI Mode in GenDevParse

As seen in Figure 1, you can switch into SMI mode at the top right of the interface and then input the number of expected SMI Values. From there, you will see SMI data fields appear on the left-hand side.

Right-click the new SMI data fields to rename them to something more appropriate such as blue green algae or turbidity. These names will appear when loading the file into processing programs such as MAGEDIT.

Since environmental sensor strings can be robust, it was important to add support for multiple delimiters in the sensor's output. Figure

2 shows a configuration at the top right where the Generic Device Parser driver will tokenize based on both Spaces and Commas. Additionally, you can check the Other box and input an arbitrary delimiter.

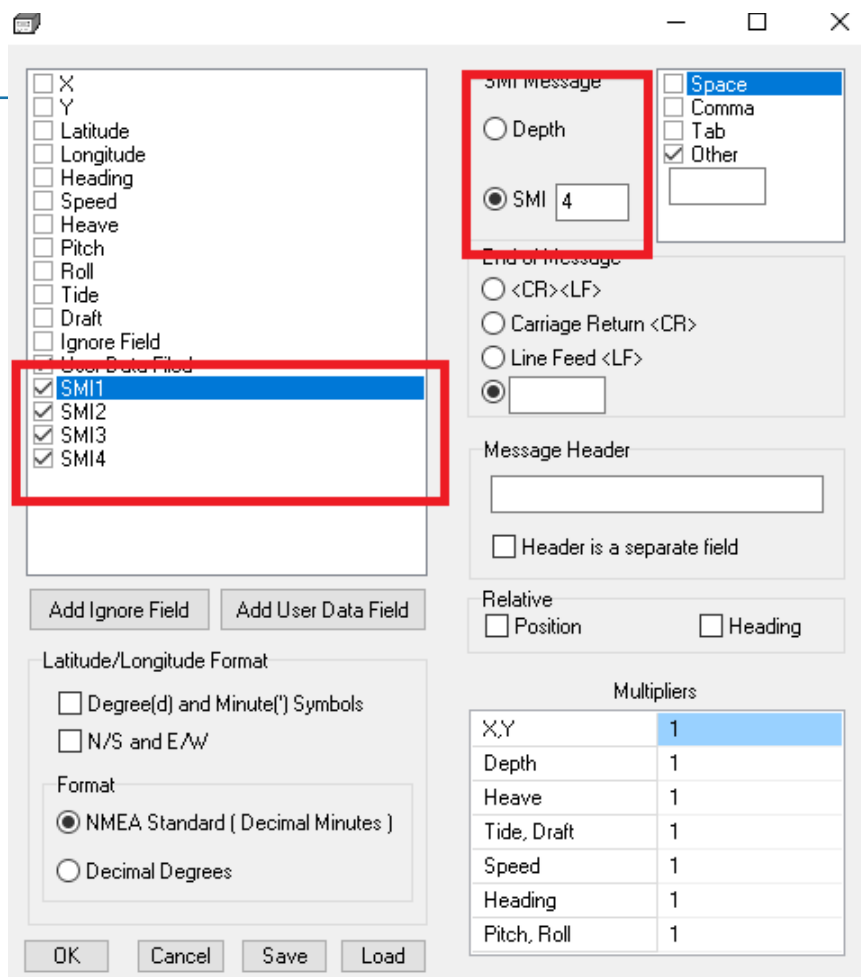
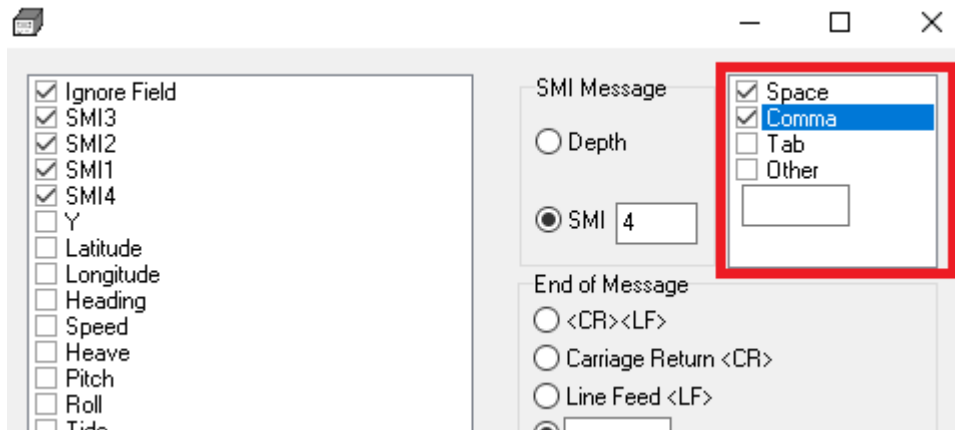


FIGURE 2. Using Both Space and Comma as Delimiters



Though not added to cater to environmental sensors, we have added the ability to save and load the full configuration from a file. This allows an individual in the office to set up Generic Device Parser then distribute a set up file among all the organization's surveyors.