

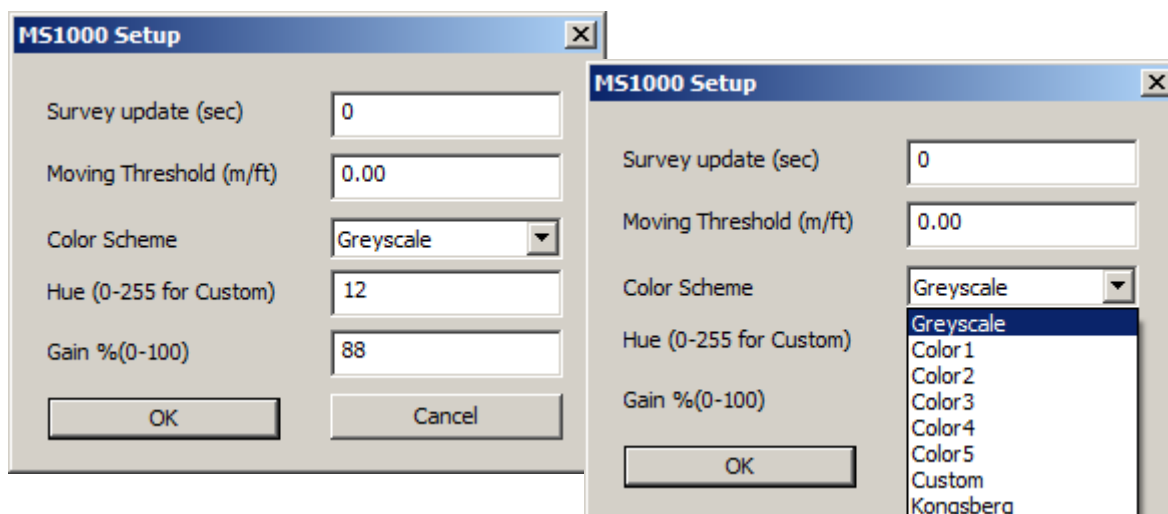


Integration of Kongsberg Mesotech MS1000 with HYPACK®

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MS1000 is single-beam scanning sonar capable of producing georeferenced images.

FIGURE 1. Device Setup



The first two items will determine the mode of operation in which you will run with SURVEY or DREDGEPACK®.

- **Survey Update** is the time interval at which the driver generates and displays geo-TIF images from your data.
- **Moving Threshold** prevents TIF generation if your vessel moves more than the defined distance from where you start logging.

The last three items will determine colors and contrast.

Dredge mode: DREDGEPACK® automatically generates a new geo-TIF image at the Survey Update rate as long as the vessel does not move beyond the Moving Threshold.

Alternatively, you can manually generate a geo-TIF through the Device window Setup menu (Figure 2 and Figure 3):

1. **Select SETUP-DISCONNECT.**
2. **SETUP-SNAP SHOT** and name your file.
3. **Select SETUP-CONNECT.**

Dredgers use this manual method is most commonly.

FIGURE 2. Device Window

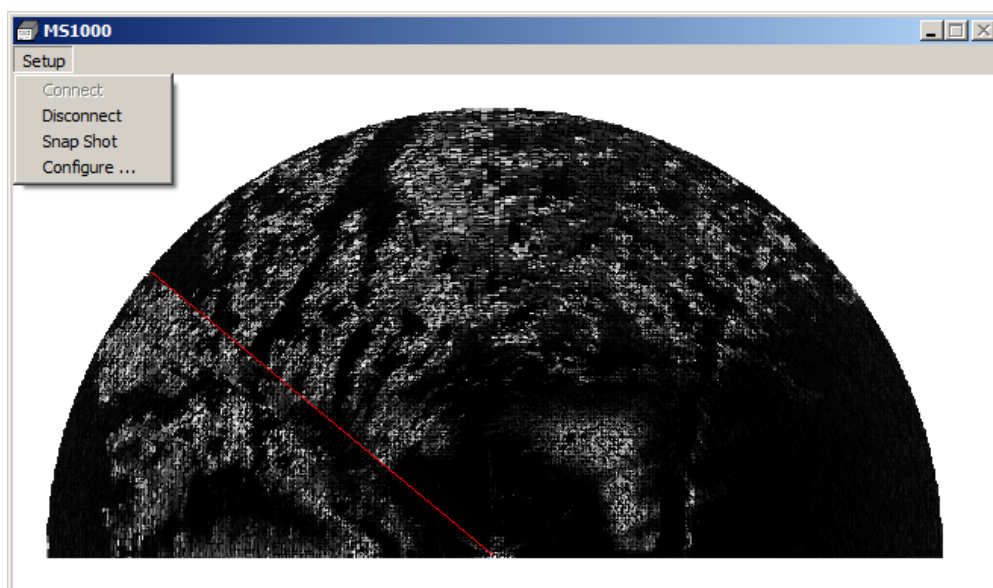
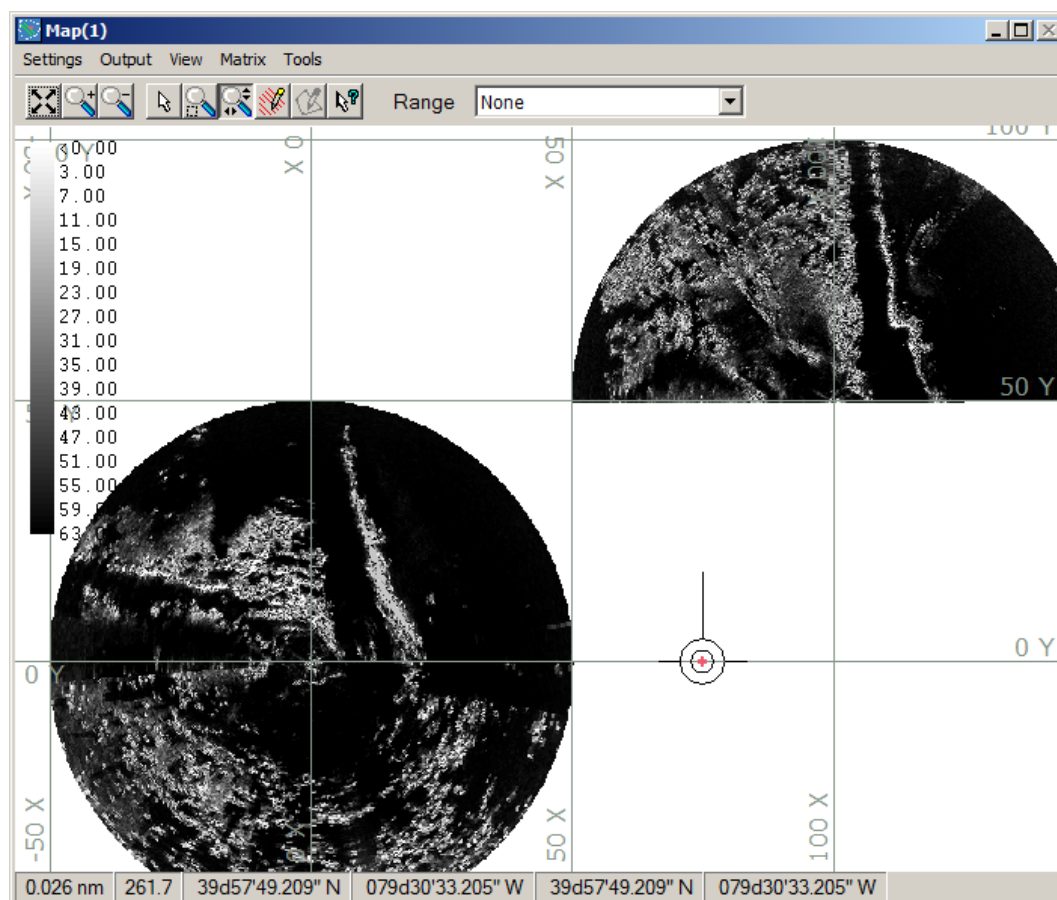


FIGURE 3. Sample Geo-TIFs—Dredge Mode



Sidescan mode: If you set the Update Rate and Moving Threshold to 0, SURVEY places every scan in world position. (Figure 4)

FIGURE 4. Sample Geo-TIFs—Side Scan Mode (This image is not a good representation as this method cannot be simulated.)

