

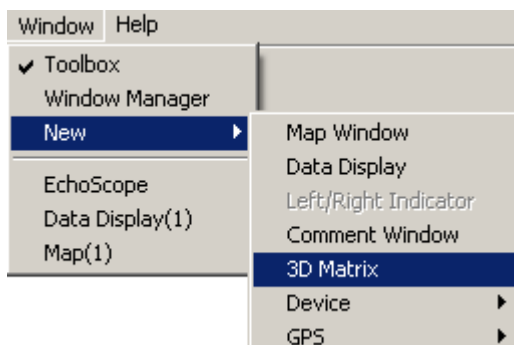


3D Matrix Presentation in SURVEY

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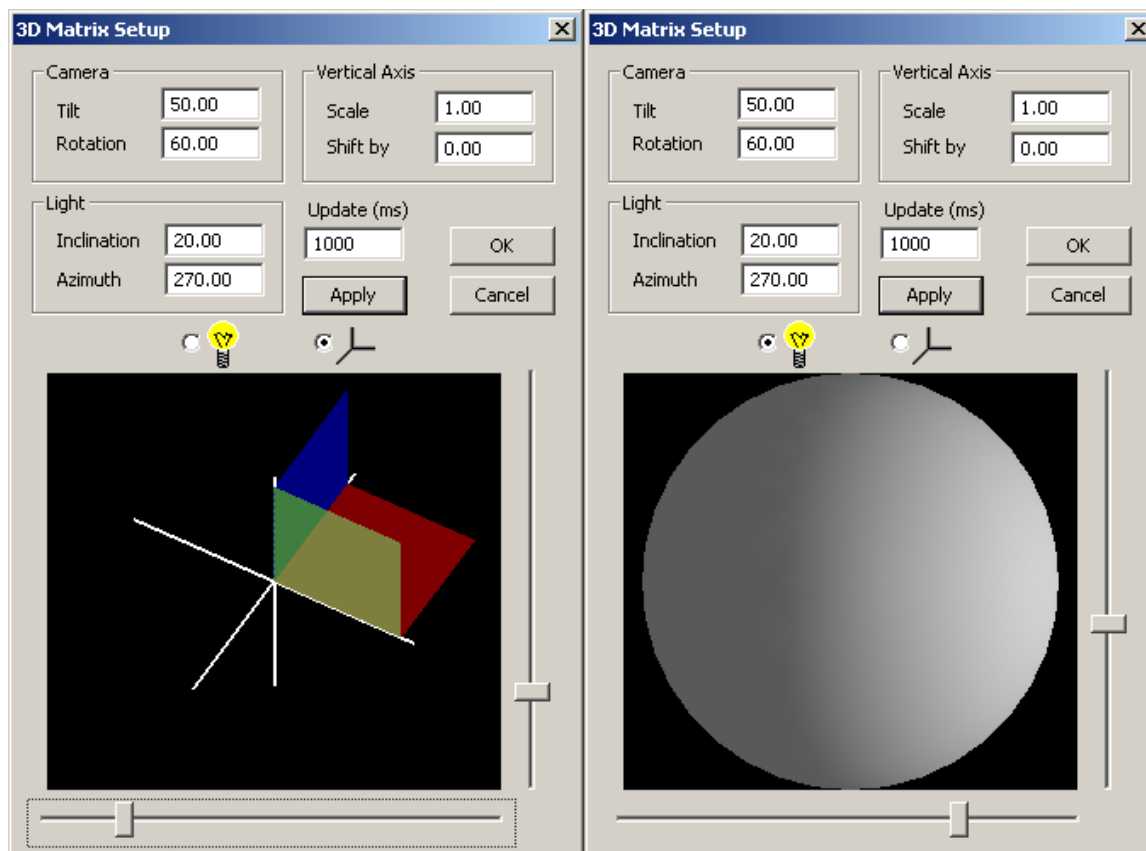
In HYPACK® SURVEY, you can easily invoke the “3D Matrix” display in the same way you would display the “Map Window”.

The 3D Matrix display allows you to manipulate your matrix as a 3D object. You do not need to stop surveying; SURVEY will update the matrix continuously and will even work with multiple matrices. The 3D Matrix inherits its color scheme, as well as the vessel tracking mode from the first Map window.



The tool bar has similar functionality to the tool bar in the Map window with additional buttons for 3D manipulations (rotate and tilt) and the setup dialog gives you more options to adjust 3D model appearance.

FIGURE 1. 3D Matrix Setup Dialog



The most important is the update rate. It should be chosen very carefully to keep the business of the system as low as possible. All other options are self explanatory.

TABLE 1. Keyboard shortcuts

Key Stroke	Action
+/-	Zoom in/out
Home	Zoom extents
Page Up/Down	Increase/Decrease Z-scale

TABLE 2. Mouse events

Mouse Event	Action
Left Mouse Down	Centers the selected point. (The point must belong to 3D model.)
Shift+Scroll	Rotates the model.
Ctrl+Scroll	Tilt the model.
Alt+Scroll	select zoom window on mouse move

FIGURE 2. Sample 3D Matrix Window in SURVEY

