

Tilesets

10-meter Stereo of any Global Terrain

MicroImages provides free access via the Internet to a ~10-meter global Landsat image. Your TNT product can use this circa 2000 image to view any land area including many islands in stereo using your stereo viewing device. Simply add this tileset to a 2D view, add any other layers of interest, and convert the view to stereo using the Stereo icon button on the View window. When prompted to select a terrain layer, simply select the 90-meter global DEM provided with every TNT product. The stereo conversion then automatically uses and resamples this DEM to create the stereo separation in the View. Since this DEM is a fast-access TNT raster tileset, it can even be used directly from the DVD provided to you or from a copy on your hard drive. Every TNT product also comes with a 30-meter NED DEM for the USA that can be used to view any USA geodata in stereo.

If the ground detail or color rendering of this global image are not adequate for your purposes, you can assemble georeferenced images of your project, city, province, or nation into custom tilesets. These tilesets can then be used from a local drive or from a web site as a layer in any TNT 2D view and converted to a stereo view using the DEMs noted above. If you wish even greater stereo spatial accuracy, you can also build higher-resolution DEMs using the terrain and LIDAR analysis features built into every TNTmips.

The image shows a composite of screenshots from the TNTmips software. At the top left, the 'Display Manager' window shows the 'Add' menu with 'Internet Tilesets...' selected. A callout points to this menu with the text: 'Select Internet Tilesets from Add Web Layer icon button menu'. To the right, the 'Internet Tilesets' window shows a tree view where '10m Landsat' is selected under 'Global'. A callout points to this selection with the text: 'Choose the Global 10m Landsat tileset to display'. Below these, the 'Display Group 1 - View 1' window shows the 'Stereo' icon (two eyes) circled in red. A callout points to this icon with the text: 'Press the Stereo icon button'. To the left of the main view, there are images of three different types of 3D glasses: white, black, and blue. Below the glasses is a DVD-ROM labeled 'GLOBAL90 90-Meter Global Elevations' and 'A TNT tileset DEM'. The main view area shows a 3D stereo rendering of a mountainous region with a confluence of valleys, rendered in a color palette of blues, greens, and reds. At the bottom of the software window, a status bar displays: 'Time to draw: 0.844 seconds', '8093580 E 4716580 N m', 'E 72 42 21 N 38 57 52', and '1:148002'.

Anaglyph stereo display of a confluence of valleys in the Pamir Mountains, Tajikistan using the ~10-meter global Landsat 742 tileset published at www.microimages.com and 90-meter global DEM provided by MicroImages with every TNTmips.