



Brand New in TNTmips 2008!

New Mosaic Process

No mosaic is too big or too small for the new Mosaic process. The process has been redesigned to accommodate really huge raster mosaics and the output formats required for their efficient viewing and use in the TNT products. Mosaic processing takes advantage of the TNT image processing pipeline for very rapid throughput of massive datasets.

- Mosaic into any Coordinate Reference System (CRS).
- Input 10s to 1000s of layers with different CRSs.
- Integrated scrolling tabular list of all input layers
- List provides name, CRS, resolution, and dimensions of each layer.
- Tab panels for logical grouping of control parameters
- Integrated view of input layers
- Optionally open separate resizable input View.
- Output a conventional raster object or flat or hierarchical tileset object.
- All compression types and options available for output raster types.
- Create pyramids for tilesets and control their parameters.

Object	Reference System	Cell Size	Dimensions
ortho_1-1_in_s_0001_2007_1.jp2	NAD83 / UTM zone 17N (CM 81W)	1 m	67566 x 70420
ortho_1-1_in_s_0003_2007_1.jp2	NAD83 / UTM zone 17N (CM 81W)	1 m	49023 x 56555
ortho_1-1_in_s_0005_2007_1.jp2	NAD83 / UTM zone 16N (CM 87W)	1 m	61520 x 83819
ortho_1-1_in_s_0007_2007_1.jp2	NAD83 / UTM zone 17N (CM 81W)	1 m	43166 x 56191
ortho_1-1_in_s_0009_2007_1.jp2	NAD83 / UTM zone 17N (CM 81W)	1 m	56012 x 111424
ortho_1-1_in_s_0011_2007_1.jp2	NAD83 / UTM zone 17N (CM 81W)	1 m	88249 x 49400
ortho_1-1_in_s_0013_2007_1.jp2	NAD83 / UTM zone 16N (CM 87W)	1 m	54663 x 49984
ortho_1-1_in_s_0015_2007_2.jp2	NAD83 / UTM zone 17N (CM 81W)	1 m	69730 x 36376

Target: TNT tileset raster
Tile Format: JPEG2000 User Defined Ratio: 15
Tile Size: 2048 Extend trailing tiles to match
Tile Name Prefix:
TNT Pyramids: JPEG2000 User Defined Ratio: 50
 Place all tiles in same folder
 Prompt for tile base folder when run
Estimated number of tiles: 131768
Estimated space needed: 110 GB

Source Images
Total: 67
Resampled: 15

View of county images with their extents boxes

Zoom: 1.0 Scale: 6306121 228009.90 E 3079292.65 N m

Mosaic setup window showing input of the 67 county orthoimages of Florida at 1 meter resolution in 24-bit color. Each input is a *.jp2 file compressed 15 to 1. Inputs can also be raster objects in a Project File or *.sid, *.tif, or any other supported file format. The rectangular bounding size of this image is 739,738 by 744,133 cells, thus a 24-bit uncompressed temporary mosaic of this area would be 1.65 terabytes (reconciling image overlap requires decompression).

Running this mosaic does not make any temporary uncompressed Florida or county image. The 24-bit color raster object produced will be a hierarchical tileset of 131,768 GeoJP2 files totaling 33.1 GB. Each of these image tiles will be 2048 by 2048 cells, compressed 15 to 1, and directly useable in other products.

