

System

Direct Use of Geodata Files

The TNT products can directly select and use geodata files in the wide variety of formats listed below. The name of any geodata file in a format that is listed here for direct use will automatically appear in the standard Select Objects window along with any TNT Project File names. If the name of a file does not appear in this list it is not in a format that can be directly used and must first be imported into a raster or geometric object in a Project File and perhaps subsequently georeferenced. Double-clicking on the name of any TNT supported geodata file can also be used to open it in a new 2D Display group.

format	extension	description
Raster		
Arc Binary Grid	*.adf	Arc/Info Binary "Grid" Format, developed by ESRI
BigTIFF	*.tif, *.tiff	for Tagged Image File Format files > 4 GB
BSB Nautical Chart	*.kap	BSB — Maptech/NOAA BSB Nautical Chart Format
DOQQ	*.doq	Digital Orthophoto Quarter-Quadrangle
DTE	*.dte	Socet Set Digital Terrain format
DTED	*.dto *.dt1	Digital Terrain Elevation Data, developed by NGA
ECW	*.ecw	ER-Mapper Enhanced Compressed Wavelet format
Envisat	*.n1	Envisat Image Product Format
ERDAS	*.img *.lan *.gis	ERDAS IMAGINE Image Format, developed by Leica Geosystems ERDAS IMAGINE LAN Sensor Data
GeoTIFF	*.tif *.tiff	an effort by over 160 different remote sensing, GIS, cartographic, and surveying related companies and organizations to establish a TIFF-based interchange format for georeferenced raster imagery
GIF	*.gif	Graphics Interchange Format
GRASS	*.hdr	GRASS Raster format
HDF4-Generic	*.hdf	Hierarchical Data Format Version 4 Generic
ILWIS	*.mpr *.mpl	ILWIS Raster Map Format ILWIS Map List Format
JPEG	*.jpg	Joint Photographic Experts Group
JPEG2000	*.jp2 *.jpx	Part 1 compliant files supported, may contain georeference as internal metadata, uses wavelet compression developed by LuraTech and others
MrSID	*.sid	LizardTech proprietary wavelet compression format
NetCDF	*.cdf, *.nc	Network Common Data Format
NetCDF GMT	*.gmt *.grd	NetCDF Generic Mapping Tools NetCDF Grid
Netpbm	*.ppm *.pgm	Portable Pixmap File Format Portable Graymap File Format
PCRaster	*.map	PCRaster format for environmental modelling.
PNG	*.png	Portable Network Graphics
Raster Matrix	*.rsw *.mtw	Raster Matrix format
Swedish grid RIK	*.rik	Swedish Grid Maps, issued by the swedish organization Lantmäteriet
TIFF	*.tif	Tagged Image File Format, developed by Aldus and Microsoft, copyright now held by Adobe Systems
USGS ASCII DEM	*.dem	USGS Digital Elevation Model
USGS SDTS	*.ddf	USGS Spatial Data Transfer Standard formatted Digital Elevation Model
VTBuilder Binary Terrain	*.bt	Elevation data format of VTBuilder tool in the Virtual Terrain Project software
Windows bitmap	*.bmp	Bitmapped Graphics Format used internally by the Microsoft Windows
X11 Pixmap	*.xpm	X11 Pixmap Format
others (via GDAL)	*.hdr *.mem	used for a variety of formats, recognized by content
Shape		
shapefile	*.shp	ESRI format, may have internal georeference
LIDAR LAS	*.las	Public format for the storage and exchange of LIDAR point data
Oracle Spatial		Oracle Spatial is not a file based format, select by table
CAD		
DGN	*.dgn	Intergraph Microstation format, internal georeference
TAB	*.tab	MapInfo format, internal georeference
DXF	*.dxf	AutoCAD Drawing eXchange Format
DWG	*.dwg	AutoCAD DraWinG format