

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.

RASTER		
format	extension	description
Arc Binary Grid	*.adf	Arc/Info Binary "Grid" Format, developed by ESRI
BSB Nautical Chart	*.kap	BSB — Maptech/NOAA BSB Nautical Chart format
DOQQ	*.doq	Digital Orthophoto Quarter-Quadrangle
DTED	*.dt0	Digital Terrain Elevation Data format (Data File Level 0), developed by NSA
	*.dt1	Digital Terrain Elevation Data format (Data File Level 1)
	*.dt2	Digital Terrain Elevation Data format (Data File Level 2)
Envisat	*.n1	Envisat Image Product format
ERDAS	*.img	ERDAS IMAGINE image format, developed by Leica Geosystems
	*.lan	ERDAS IMAGINE LAN sensor data
GeoTIFF	*.tif	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
ILWIS	*.mpr	ILWIS raster map format
	*.mpl	ILWIS map list format
JPEG	*.jpg	Joint Photographic Experts Group image compression standard
	*.jgw	world file of the same name and used for georeference
JPEG2000	*.jp2	Joint Photographic Experts Group wavelet-based image compression standard, may or may not contain georeference as internal metadata
	*.j2w	world file of the same name and used for georeference
MrSID	*.sid	LizardTech proprietary wavelet compression format
	*.sdw	world file of the same name and used for georeference
NetCDF	*.cdf	Network Common Data Format
NetCDF GMT	*.gmt	NetCDF Generic Mapping Tools
	*.grd	NetCDF grid
Netpbm	*.ppm	portable pixmap file format
	*.pgm	portable graymap file Format
PCRaster	*.map	PCRaster format for environmental modelling
PNG	*.png	Portable Network Graphics format
	*.pgw	world file of the same name and used for georeference
Raster Matrix	*.rsw	Raster Matrix format
	*.mtw	DEM data format
Swedish grid RIK	*.rik	Swedish grid maps, issued by the swedish organization Lantmateriet
TIFF	*.tif	Tagged Image File Format, developed by Aldus and Microsoft, copyright now held by Adobe Systems
	*.tiff	world file of the same name and used for georeference
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	used for a variety of formats, recognized by content
	*.mem	used for a variety of formats, recognized by content

SHAPE		
format	extension	description
shapefile	*.shp	ESRI format, may have internal georeference
	*.avl	used for styles if same name
	*.prj	file used for georeference if same name
Oracle Spatial		Oracle Spatial is not a file based format, select by table

CAD		
format	extension	description
DGN	*.dgn	Intergraph Microstation DesiGN format, internal georeference
TAB	*.tab	MapInfo TABLE format, internal georeference
DXF	*.dxf	AutoCAD Drawing eXchange Format
DWG	*.dwg	AutoCAD DraWinG format