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