

Coordinate Converter(Coordinates from file)

The tool allows you to convert coordinates from one coordinate system to another using the *.prj coordinate system file loaded into the program database or the calibration file created earlier in the TOPODRONE Post Processing program. More details about this process can be found in the "Calibration" section. To convert a coordinate catalog from one coordinate system to another, go to the "Tools" menu and select "Coordinate Converter", then "Coordinates from file".

The screenshot shows a software window titled "COORDINATE CONVERTER FOR ALL COORDINATES IN FILE". The window has a dark theme and a menu bar at the top with options: PPK Post Processing, RTK Post Processing, LIDAR Post Processing, LIDAR Cloud Generation, Static Post Processing, Precise Point Positioning, AQUAMAPPER, and Tools. The "Tools" menu is currently selected. Below the menu bar, there is a "Source" text input field and a green "Select" button. Below this, there is a "Start row" input field with the value "1" and a "Separator" section with radio buttons for Tab, Semicolon, Comma, Space, and Other. The "Coordinate system" section has two columns, each with a "Coordinate system" dropdown (set to WGS-84) and a "PRJ" button. The "Elevation type" section has two columns, each with an "Elevation type" dropdown (set to Meters) and a "US foots" button. The bottom of the window has a status bar that says "WAITING FOR ACTION".

In the Source section, specify the coordinate catalog file you want to convert, the import start line, and the coordinate separator type.

Source

Start row Separator ☒ Tab ☐ Semicolon ☐ Comma ☐ Space Other:

Select the coordinate system and elevation type of the original coordinate catalog.

Coordinate system: ☒ Meters ☐ US feet

Elevation type:

Determine whether the columns match the values.

v	v Latitude/North	v Longitude/East	v H-El/H	v
T1	41.3861300472	45.0368708771	328.808	
T2	42.4438272345	44.4906560524	1870.423	
T3	41.5897354840	45.5388362124	484.233	
T4	41.3870897453	44.3979272215	759.449	
T5	41.7213004565	44.9646046740	718.074	
T6	41.9241862519	45.4747276412	701.753	
T7	42.1027327730	44.9683905605	1123.427	

Specify the coordinate system and elevation type of the target coordinate catalog.

Coordinate system: ☒ Meters ☐ US feet

Elevation type:

Use calibration?

World-WGS 84-UTM-zone 38N (m) EPSG 32638

If you have calibrated in the TOPODRONE Post Processing program, press the "PRJ" button, then press "NO" and select your calibration file.

Coordinate system:

WGS-84

PRJ

Meters

US foots

Elevation type:

GEOID (EGM2008)

Use calibration?

YES

🔍

> Tnrs
BLKL_070724.0600_070724.1759_279421-NZGR_070724.0600_070724.1759_786067World-WGS 84-UTM-zone 36N (m) EPSG 32636_Ellipsoid WGS-84

> Afgh
guda281h00-guda281m45-wlk1281h00-wlk1281m45World-WGS 84-UTM-zone 38N (m) EPSG 32638_GEOID (EGM2008)

> Alba
lbch0140-sfdm0140World-WGS 84-World Geodetic System 1984 used in GPS (degree) EPSG 4326_Ellipsoid WGS-84

> Alge
mial1890-milt1890USA-NAD83(2011)-UTM zone 15N (m) EPSG 6344_GEOID (EGM2008)

> Alge
USIL_300624.2100_010724.2059_779288-USIL_300624.2100_010724.2059_779288ITRF2020_Ellipsoid WGS-84

> Algeria

After pressing the "Start" button, the right window will display the coordinate catalog in the selected coordinate system. If necessary, click the "Save" button and save the new file.

COORDINATE CONVERTER FOR ALL COORDINATES IN FILE

PPK Post Processing
RTK Post Processing
LIDAR Post Processing
LIDAR Cloud Generation
Static Post Processing
Precise Point Positioning
AQUAMAPPER
Tools
License
Settings

Source

E:\Datasets\Tools\Coordinates from File\WGS-84 to 32638.txt

Select

Start row

1

Separator

Tab

Semicolon

Comma

Space

Other:

Coordinate system:

WGS-84

PRJ

Meters

US foots

Elevation type:

Ellipsoid WGS-84

Use calibration?

NO

🔍

32638

World-WGS 84-UTM-zone 38N (m) EPSG 32638

▼

Latitude/North

▼

Longitude/East

▼

H-Ell/H

▼

T1

41.3861300472

45.0368708771

328.808

T2

42.4438272345

44.4906560524

1870.423

T3

41.5897354840

45.5388362124

484.233

T4

41.3870897453

44.3979272215

759.449

T5

41.7213004565

44.9646046740

718.074

T6

41.9241862519

45.4747276412

701.753

T7

42.1027327730

44.9683905605

1123.427

Start

WAITING FOR ACTION

COORDINATE CONVERTER FOR ALL COORDINATES IN FILE

PPK Post ProcessingRTK Post ProcessingLIDAR Post ProcessingLIDAR Cloud GenerationStatic Post ProcessingPrecise Point PositioningAQUAMAPPERToolsLicenseSettings

SourceE:\Datasets\Tools\Coordinates from file\WGS-84 to 32638.txtSelectSave

Start row1SeparatorTabSemicolonCommaSpaceOther

Coordinate system:WGS-84PRJElevation type:Ellipsoid WGS-84MetersUS feet

Coordinate system:WGS-84PRJElevation type:Geoid (EGM2008)MetersUS feetUse calibration?NO32638World-WGS 84-UTM-zone 38N (m) EPSG 32638

	Latitude/North	Longitude/East	H-Ell/H	
T1	41.3861300472	45.0368708771	328.808	
T2	42.4438272345	44.4906560524	1870.423	
T3	41.5897354840	45.5388362124	484.233	
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T5	41.7213004565	44.9646046740	718.074	
T6	41.9241862519	45.4747276412	701.753	
T7	42.1027327730	44.9683905605	1123.427	

	North	East	Height
	4581623.257213315	503082.7300006464	313.49093336500727
	4699181.42079438	45811.6875127898	1849.8220865999072
	4604366.8405396445	544910.7062592481	472.54669978167107
	4581904.0063760085	449662.0361703812	739.0061899494053
	4618833.892570454	497055.8871326369	703.056432140733
	4641467.723723855	539362.4962981144	688.6827776353189
	4661183.112713024	497386.3962826002	1107.14000360339013

Start

WAITING FOR ACTION

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