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SurvUtil Release Notes

Refer to the [user manual](#) for details of new features.

Date: 18/07/2024

Version: 5.20

No.	Module	Description
1	Station Import	Improved error message when coordinate transformation not found.
2	Station Import	Added option to specify start record in input file.
3	Station Import	CRS now correctly set for each new station.
4	Station Import	Geographic coordinates now computed when importing geocentric coordinates.
5	Station Export	Order of records in file now follows order in export list.

Date: 21/06/2024

Version: 5.19

No.	Module	Description
1	General	CRS type now shown next to the CRS name where appropriate.
2	Stations	Improved import and file conversion.



Date: 17/06/2024

Version: 5.18

No.	Module	Description
1	Stations	Improved handling of station names.

Date: 13/06/2024

Version: 5.17

No.	Module	Description
1	Station Details	Corrected longitude "E/W" character.
2	Station Import	Corrected handling of geographic height.



Date: 07/06/2024

Version: 5.16

No.	Module	Description
1	Main Menu	Added option to allow work folder to be opened in Windows Explorer.
2	General	Various GUI improvements.
3	Station Import	Allow input of geocentric XYZ coordinates, and epoch.
4	Station Export	Allow export of geocentric XYZ coordinates, and epoch.
5	File Convert	Allow input and output of geocentric XYZ coordinates, and epoch.

Date: 24/05/2024

Version: 5.15

No.	Module	Description
1	Coordinate conversions	Added support for time-dependent transformations.



Date: 26/04/2024

Version: 5.14

No.	Module	Description
1	Coordinate conversions	Added support for coordinate operation method 9615 "NTv2".
2	EPSG DB	Added support for version 11 and above (new column "anchor epoch" in datum table).

Date: 27/02/2021

Version: 5.13

No.	Module	Description
1	Geodetic	Various updates to supported projection and coordinate transformation methods.
2	DB Table	Added new EPSG version 10 fields for datum.
3	Station details	Corrected axis names for Southing and Westing axes.

Date: 19/02/2021

Version: 5.12

No.	Module	Description
1	IMPORTANT UPDATE	EPSG processing has been updated to handle the data model changes in version 10 and later. It is recommended that you download and install the latest EPSG database from the FGPS website.



Date: 31/10/2018

Version: 5.11

No.	Module	Description
1	Application	Bugfix: Sometimes crashed when starting from fresh installation.

Date: 09/10/2018

Version: 5.10

No.	Module	Description
1	Application	Now allows automatic upgrades. The frequency of update checks can be set in the Tools / Options menu.
2	Table	Bugfix: error when deleting multiple rows.



Date: 25/09/2018

Version: 5.09

No.	Module	Description
1	Station details form	Easting and Northing always shown in that order even if swapped in the coordinate system.
2	File Conversion	Can now specify number of dp to which to write decimal degrees.

Date: 01/05/2017

Version: 5.08

No.	Module	Description
1	CRS Manager	Can now import ".geo" files.

Date: 24/10/2017

Version: 5.07

No.	Module	Description
1	Stations	Show lat/lon coordinates to 8dp.
2	CRS Inspector	Fixed crash when opening.



Date: 29/09/2017

Version: 5.06

No.	Module	Description
1	Coordinate conversions	Added support for coordinate operation method 1037 "Position Vector transformation (geog3D domain)".

Date: 25/04/2017

Version: 5.05

No.	Module	Description
1	Stations form	Corrected saving of coordinates when not displayed in radians.



Date: 31/03/2017

Version: 5.04

No.	Module	Description
1	Main Windows	EPSG database version now displayed in title bar.
2	Database	Bugfix: NADCON coordinate transformations were failing because the directory containing the Nadcon files was not set correctly.
3	Options	FGPS Database directory is now used instead of specifying the EPSG DB file directly.
4	Options	User database is now stored in the FGPS databases folder instead of in the Project folder.
5	Area Details	Can now display either EPSG or Nadcon areas.
6	General	Various other minor bugfixes and improvements.



Date: 13/01/2016

Version: 5.03

No.	Module	Description
1	Database	Improved saving of ellipsoid details.
2	Stations	Bugfix: Lat/lon values were sometimes corrupted when reading from station file.
3	Coordinate Conversion	Bugfix: When converting file coordinates with same geog CRS but different projections nothing was happening.
4	Tools/Options	Bugfix: Changes were not being saved in the settings file.
5	Data Table	New utility to dump current data table to csv file (File menu).

Date: 18/09/2015

Version: 5.02

No.	Module	Description
1	Data Table	Corrected opening of details windows for coordinate operations.



Date: 25/08/2015

Version: 5.01

No.	Module	Description
1	CRS Inspector	New module for quickly displaying details of any component of a CRS.

Date: 18/05/2015

Version: 5.00

No.	Module	Description
1	IMPORTANT	This version implements a new licensing system. It is recommended that you contact licence@fgps.com in order to request a new licence before installing it.
2		If your current licence will expire soon it is recommended that you upgrade to this version immediately.

Date: 13/04/2015

Version: 4.21

No.	Module	Description
1	App	Added ability to specify project name on command line.



Date: 07/04/2015

Version: 4.20

No.	Module	Description
1	App	Bugfix: was crashing on startup if project file not found.

Date: 01/12/2014

Version: 4.19

No.	Module	Description
1	All	Implemented American Polyconic projection method.

Date: 11/09/2014

Version: 4.18

No.	Module	Description
1	GUI	Minor improvements.



Date: 10/09/2014

Version: 4.17

No.	Module	Description
1	EPSG Database	Now requires new EPSG database file "epsg.db", installable separately.
2	EPSG Database	Updated to version 8.3, released on 29/11/2013.
3	Data table	New: Quick launch box for direct code entry.
4	Main	New: Settings now stored in SurvUtil.ini.
5	Projects	Project files now stored in INI style text files.
6	Main	New: Window list now available from menu.
7	CRS Details Form	Can now be resized to allow easier selection from dropdown lists.
8	CRS Details form	Coordinate system dropdown items now prefixed with EPSG code.



Date: 17/05/2014

Version: 4.16

No.	Module	Description
1	Projections	New: supports New Zealand Map Grid.
2	GUI	New: uses Windows themes.
3	Projections	Transverse Mercator now uses JHS formula.

Date: 11/03/2013

Version: 4.15

No.	Module	Description
1	Main	Application version number now stored in file properties.

Date: 26/07/2012

Version: 4.14

No.	Module	Description
1	Import, File Convert	Destination grid coordinates are now in same units as destination axes.
2	Main	now saves a versioned backup of SurvUtil.exe



Date: 16/02/2011

Version: 4.13

No.	Module	Description
1	Import	Station names may now contain spaces.
2	Import	New station lat and lon UOM now defaults to DMSH.
3	Station	Bugfix: Axis was not being assigned when importing stations (new from EPSG 7.6)

Date: 20/12/2010

Version: 4.12

No.	Module	Description
1	All	Upgraded to EPSG database version 7.6



Date: 27/09/2010

Version: 4.11

No.	Module	Description
1	Project	Bugfix: was unable to create a new station file.
2	Data Table	Was unable to create a new station when no previous stations existed.