



FGPS International

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SPSPro Release Notes

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

Date: 19/08/2020

Version: 8.07

No.	Module	Description
1	Scan	Various bugfixes in report generation.

Date: 06/08/2020

Version: 8.06

No.	Module	Description
1	Setup	Bugfix: was not reading sequence column settings.
2	QC	Bugfix: was only saving to the DB a single QC item.
3	Scan	Bugfix: some report entries incomplete.



Date: 16/07/2020

Version: 8.04

No.	Module	Description
1	Map	Bugfix: Compare was not working.
2	Setup	Plot Options tab renamed to "Map".
3	Setup	Map page now has compare settings for compare using map selection.

Date: 13/07/2020

Version: 8.03

No.	Module	Description
1	QC	Bugfix: QC item names corrected for report.
2	Database	Bugfix: sort was not always working correctly.
3	Scan	Bugfix: range check error.



Date: 05/07/2020

Version: 8.02

No.	Module	Description
1	QC	Various minor bugfixes.

Date: 04/07/2020

Version: 8.01

No.	Module	Description
1	QC	Show QC tab in setup.

Date: 03/07/2020

Version: 8.00

No.	Module	Description
1	Project	project name and folder now specified in project dialog.
2	Various	New QC module replaces Source plots, Receiver plots and Compare module.



Date: 08/04/2020

Version: 7.27

No.	Module	Description
1	Time Series	Added plot for Station Time Interval
2	Time Series	New option to separate plots by instrument code.
3	Time Series	New option to separate plots by series.

Date: 20/12/2019

Version: 7.26

No.	Module	Description
1	Extract point range	Now allows output to be zipped.

Date: 20/12/2019

Version: 7.25

No.	Module	Description
1	Extract point range	Handle zip files (if the zip contains a single file with the same name).



Date: 19/11/2019

Version: 7.24

No.	Module	Description
1	Setup / Compare	Corrected sorting by file size or timestamp.
2	Compare	Added sequence to summary csv file.

Date: 02/11/2019

Version: 7.23

No.	Module	Description
1	Utilities	New utility to extract SPS file with specified point range.



Date: 17/10/2019

Version: 7.22

No.	Module	Description
1	Application	Now allows automatic upgrades. The frequency of update checks can be set in the Tools / Options menu.
2	General	Improved SPS format detection for files with no header.
3	Setup	Format can now be set in file lists if not detectable from file.
4	Map	Point labels now appear when printed.
5	Map	Improved map performance.
6	Scan	Added check for format revision 2.1 line number format.
7	Utilities, Tidal Corrections	Bugfix: Possible slight errors in tide replacement values.
8	Utilities, Tidal Corrections	Now handles month in short and long text format.

Date: 28/08/2019

Version: 7.21

No.	Module	Description
1	Utilities	New option to replace tide correction data in SPS files.



Date: 23/08/2019

Version: 7.20

No.	Module	Description
1	General	Improved handling of errors when calling maths routines.

Date: 12/08/2019

Version: 7.19

No.	Module	Description
1	Scan	New option to specify presence of microsecond time.
2	Scan	Bugfix: semicolon check was not working correctly.
3	Compare	Summary text file now saved to comparison report folder.
4	Compare	Modified behaviour for selecting which lines to compare - see user manual.
5	Main	New utility to split lines by point code.
6	Database	New utility to renumber line names.



Date: 31/12/2018

Version: 7.18

No.	Module	Description
1	Scan	Only report missing semi-colons for fields designated 12A4.
2	Setup	Bugfix: keep existing line name when saving was not being applied.

Date: 27/10/2018

Version: 7.17

No.	Module	Description
1	Scan	Bugfix: was freezing when calculating shot/receiver gathers.

Date: 19/10/2018

Version: 7.16

No.	Module	Description
1	Compare	Revised point matching for different instrument codes.



Date: 12/10/2018

Version: 7.15

No.	Module	Description
1	Map	Relation stats now presented in separate panel.
2	Scan	New options to report totals for shot and receiver gathers.

Date: 09/10/2018

Version: 7.14

No.	Module	Description
1	Map	Now displays source/receiver count for receiver/source gather.

Date: 26/08/2018

Version: 7.13

No.	Module	Description
1	Compare	Added option to specify instrument code number.
2	Compare, Source & Receiver plots	Now saves plot display parameters.



Date: 25/08/2018

Version: 7.12

No.	Module	Description
1	Compare	Bugfix: floating point error when no matching points.

Date: 07/06/2018

Version: 7.11

No.	Module	Description
1	Scan	check for semi-colon is no longer column specific.
2	Setup	Bugfix: access violation when sorting list after moving item.

Date: 25/10/2017

Version: 7.10

No.	Module	Description
1	Database	Corrected erroneous error message when interpolating bathymetry.



Date: 18/09/2017

Version: 7.09

No.	Module	Description
1	Database	Deprecated Shift Receivers utility.
2	Database	Interpolate depths from bathymetry file new option to flag if depths are reduced.
3	Database	Merge lines now updates automatically when lines in the database are selected.

Date: 17/08/2017

Version: 7.08

No.	Module	Description
1	Shapefile Utility	Improved checks on validity of datum parameters before doing shapefile conversion.
2	Intersection	Bugfix: access violation computing line intersections
3	Compare	Bugfix: access violation afer changing number of series to compare.



Date: 01/03/2017

Version: 7.07

No.	Module	Description
1	Database	Interpolate depths from bathymetry file improved interpolation.
2	Compare	Bugfix: addressed access violations for when handling non-format compliant files.

Date: 27/02/2017

Version: 7.06

No.	Module	Description
1	Database	Interpolate depths from bathymetry file added option to limit file reading to data geographical extent.
2	Database	Interpolate depths from bathymetry file added option to specify tide reduction interpolation limit.



Date: 13/01/2017

Version: 7.05

No.	Module	Description
1	Setup	Added option to automatically determine X axis sorting for time series plots.
2	Setup	Added explorer buttons.
3	Map	Compare will now compare all lines in selection regardless of category.
4	Map	Bugfix: point label font too big when plotting DXF.
5	Compare	Now ignores duplicate filenames for comparison.
6	Compare	Added sliding window tests.
7	Scan	Added check in X records for zero channel increment.
8	Utilities	Now prompts for SPS format if unknown.



Date: 07/07/2016

Version: 7.04

No.	Module	Description
1	Utilities	Attach header was not working.
2	Utilities	Corrected line name in P190 to SPS conversion.
3	Map	Corrected drawing of active source.

Date: 31/01/2016

Version: 7.03

No.	Module	Description
1	Setup	Added option to retain original line name when saving files after specifying line number from name.
2	Database	Added option to include point depths in depth interpolation from XYZ file.



Date: 11/01/2016

Version: 7.02

No.	Module	Description
1	Setup	Bugfix: last point in file list was displaying second last point attributes.
2	Setup	Bugfix: index colour list colours were not showing.
3	Database	New utility to auto-index source points.

Date: 29/05/2015

Version: 7.01

No.	Module	Description
1	Map	Bugfix: background colour was not being applied.
2	Map	Bugfix: access violation when displaying relational map.



Date: 18/05/2015

Version: 7.00

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: 18/05/2015

Version: 6.92

No.	Module	Description
1	Database	Source line sequence number was not being displayed.



Date: 02/05/2015

Version: 6.91

No.	Module	Description
1	Setup	Bugfix: file lists had black flicker when moving mouse over items.
2	Utilities	New utility to convert format revision 1.0 to 2.1.
3	Compare	Added stats for number of failures, maximum consecutive failures and percentage failures.
4	Compare	Now saves setting for file lists and separate series flag.
5	Map	New button to select points.
6	Map	Info button now displayed info for previously selected, and currently visible, points.
7	Map	Added Options menu with selection method options for rectangle, circle, freehand and imported graphics.
8	Map	Added facility to compare selected points (button at right of toolbar).
9	Database	Bugfix: When saving files long line numbers were being written to file with decimal places causing greater field width than allowed.



Date: 17/04/2015

Version: 6.90

No.	Module	Description
1	All	Bugfix: occasional access violation on exiting program.
2	Database	Bugfix: when saving the header the database header view was reverting to the old header.
3	Utilities	Bugfix: bug in converting SPS Rev1 station number to P190.

Date: 25/03/2015

Version: 6.89

No.	Module	Description
1	All	Now supports user defined instrument codes and indexes as killed points.
2	Setup	When applying changes now prompts to re-load files when database changes have not been saved to file.
3	Database	Merge Lines utility can now use instrument codes in determining duplicate points.
4	FBComp	This is now a standalone application and must be installed separately.



Date: 05/03/2015

Version: 6.88

No.	Module	Description
1	Intersection	Bugfix: occasional access violation when computing intersections.
2	Scan	Bugfix: was checking for semi-colons in data records.
3	Database	New utility to merge lines.
4	Map	DXF point objects now supported in external graphics.
5	Database	Bathymetric interpolation from XYZ now produces failure report.

Date: 25/11/2014

Version: 6.87

No.	Module	Description
1	Database	Bugfix: non valid times in data records were causing floating point error.
2	Setup	Bugfix: non valid times in data records were causing data read to abort.
3	All	Bugfix: relation record receiver index was not being read for format revision 1.0.



Date: 17/09/2014

Version: 6.86

No.	Module	Description
1	Database	Bugfix: divide by zero error interpolating WD from bathy file.

Date: 13/08/2014

Version: 6.85

No.	Module	Description
1		Correctly detect version when running clean install with non-English locale

Date: 01/07/2014

Version: 6.84

No.	Module	Description
1	Scan	Bugfix: was misreporting errors when checking for semi-colons.
2	Database	Bathymetry interpolation now handles very large files.
3	Database	Bugfix: format description on external data form can now be clearly seen.



Date: 28/04/2014

Version: 6.83

No.	Module	Description
1	Time Series	Bugfix: microsecond time was not being correctly displayed in plot information.
2	Time Series	Bugfix: error applying colour change.

Date: 20/03/2014

Version: 6.82

No.	Module	Description
1	All	Now supports 2 digit index (checkbox in Setup Format). S/R-Point number col 12-20 F9.1; Point index col 23-24 I2; X-Source point number col 28-36 F9.1; Source point index col 37-38 I2; From receiver point number col 60-68 F9.1; To receiver point number col 70-78 F9.1; Receiver point index col 79-80 I2



Date: 24/02/2014

Version: 6.81

No.	Module	Description
1	Compare	Option to plot results with one series per plot.
2	Compare	Option to state spec for each series. Spec in plotted and failures flagged in csv file.
3	Database	New utility for instrument code processing.
4	Database	Bugfix: error saving X file.

Date: 13/02/2014

Version: 6.80

No.	Module	Description
1	Scan	semi-colon checking now optional.
2	Scan	no longer checks for instrument code sequence (unreliable).
3	Map	Now highlights sources into a given receiver point when clicked on - relation button but be clicked down.



Date: 11/01/2014

Version: 6.79

No.	Module	Description
1	Printers	Bugfix: no longer freezes if the print spooler service was not running.
2	Database	Enhancement: Updated interpolation from XYZ bathymetry file.

Date: 14/08/2013

Version: 6.77

No.	Module	Description
1	GUI	Now uses Windows themes.

Date: 17/02/2013

Version: 6.76

No.	Module	Description
1	Utilities	New utility to split file by index number.
2	Database	First and last point times now shown under line attributes.
3	Project files	Fixed crash when creating new project file.



Date: 06/02/2013

Version: 6.75

No.	Module	Description
1	Scan	Now gives error message when essential parameters incomplete.
2	Scan	Bugfix: was checking record length even when format checking not required.

Date: 05/02/2013

Version: 6.74

No.	Module	Description
1	Scan	now automatically recognises hi-res records with 87 characters.



Date: 03/02/2013

Version: 6.73

No.	Module	Description
1	Setup	Now supports .zip files.
2	Compare	Option to list missing points i.e. points found in one line but not the other.
3	Compare	Option to list points whose instrument codes do not match.
4	Setup, Compare, Database	Can now use Edit on zip files.

Date: 16/01/2013

Version: 6.72

No.	Module	Description
1	Utilities	P1/90 to SPS now writes H00 record.