

FGPS Limited

95B Hanover Terrace, Brighton BN2 9SP, UK
Tel: +44 (0)7793 611 932

SPSPro Release Notes

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

Date: 14/05/2024

Version: 8.53

No.	Module	Description
1	QC	Bugfix: Occasional incorrect fail when checking mean over specified distance.

Date: 05/05/2024

Version: 8.52

No.	Module	Description
1	QC	Bugfix: Occasional incorrect fail when checking stat over specified distance.

Date: 25/04/2024

Version: 8.51

No.	Module	Description
1	Map	New menu options to change font size for point labels.

Date: 08/04/2024

Version: 8.50

No.	Module	Description
1	Map	Revert modification to improve refresh when zoomed (from v 8.44).
2	QC	Compare now uses point number if no valid date/time.

Date: 09/03/2024

Version: 8.49

No.	Module	Description
1	Current	Add option to report all shots.

Date: 07/03/2024

Version: 8.48

No.	Module	Description
1	Current	Added SP position and water depth to current analysis report csv file.

Date: 03/03/2024

Version: 8.47

No.	Module	Description
1	Map	Hint now shows line number instead of line name.
2	Current	Various improvements and bug fixes.
3	QC	Comparison dx and dy signs reversed to represent postplot offset from auxiliary (normally preplot).

Date: 17/02/2024

Version: 8.46

No.	Module	Description
1	Current	General updates.

Date: 08/02/2024

Version: 8.44

No.	Module	Description
1	Setup	New section for geodesy setup (currently only used in Current module).
2	Current	New feature to read and analyse current data.
3	Map	New option to select categories for which attribute map is plotted.
4	Map	New option to display current vectors.
5	Map	Now improved refresh performance when zoomed in.
6	Database	Bathy interpolation from file - fixed bug in applying tide reduction.

Date: 01/01/2024

Version: 8.43

No.	Module	Description
1	QC	Prompt for duplicate line name when error writing to database.
2	QC	Source separation now allows multiple instrument codes specified.

Date: 22/12/2023

Version: 8.42

No.	Module	Description
1	Database	New utility to extract reduced water depths from selected lines.

Date: 11/12/2023

Version: 8.41

No.	Module	Description
1	Utilities - Bathy Corrections	Was showing incorrect error message when max time difference exceeded.

Date: 22/11/2023

Version: 8.40

No.	Module	Description
1	QC	Now produces separate text file report for each line which includes point ranges for failed tests.
2	QC	Fixed bug when plotting missed and killed stations.
3	QC	Fixed plotting bug (time series) for derived quantities (delta distances, speed).

Date: 19/08/2023

Version: 8.39

No.	Module	Description
1	Database	Improved handling of very large files when importing depths from bathymetry file.

Date: 18/08/2023

Version: 8.38

No.	Module	Description
1	Database	Improved handling of very large files when importing depths from bathymetry file.

Date: 08/08/2023

Version: 8.37

No.	Module	Description
1	Setup	Maximum number of files in a category increased to 4096.
2	QC	Inclusion of E, N in compare CSV is now optional (Setup QC).

Date: 13/03/2023

Version: 8.36

No.	Module	Description
1	Setup	Bugfix: access violation when surpassing maximum number of files allowed.
2	Setup	Maximum number of files in a category increased to 2048.
3	Setup	Bugfix: Sorting lists by date and filesize was not working correctly.

Date: 02/03/2023

Version: 8.35

No.	Module	Description
1	QC	Added point E, N to compare summary csv report.

Date: 28/02/2023

Version: 8.34

No.	Module	Description
1	Database	Bugfix: line number was not being correctly parsed when not overriding SPS rev 2 columns.
2	Map	Added comparison attribute display.

Date: 01/02/2023

Version: 8.33

No.	Module	Description
1	Setup	Bugfix: Map comparison attributes were not being saved.

Date: 11/12/2022

Version: 8.32

No.	Module	Description
1	QC	Bugfix: PDF report plotting error for killed stations.
2	QC	Bugfix: Point index ambiguity when storing comparison result.
3	QC	Add comparison option to compare against nearest point.
4	QC	Add comparison option to apply crossline offset.

Date: 30/11/2022

Version: 8.31

No.	Module	Description
1	Map	Added comparison summary.
2	Utilities	Added bathymetric corrections for velocity and datum.

Date: 29/10/2022

Version: 8.30

No.	Module	Description
1	Compare	Bugfix: compare failing when lines acquired in reverse.

Date: 04/01/2022

Version: 8.29

No.	Module	Description
1	QC	Remove debug code.

Date: 03/01/2022

Version: 8.28

No.	Module	Description
1	Database - Merge	Bugfix: bug renaming merged file.
2	QC	Handle new year when JD is reset to 1.

Date: 05/11/2021

Version: 8.27

No.	Module	Description
1	QC	Bugfix: Incorrect speed plot for multiple sources
2	QC	Bugfix: Incorrect reporting for shot time interval test results when max failures allowed = 0

Date: 03/11/2021

Version: 8.26

No.	Module	Description
1	QC	New option to separate instrument codes for distance and time attributes. Refer to section 2.7.6 of the user manual.
2	QC	Bugfix: Report plots missing stats for shot time and speed.
3	QC	Bugfix: Report plots stats incorrect SD for shot distance, time and speed.

Date: 20/10/2021

Version: 8.25

No.	Module	Description
1	QC	Bugfix: FQCSP-LQCSP not initialised.
2	QC	Bugfix: Occasional access violation processing missed stations.
3	Map	Improve formatting for attribute report.

Date: 04/10/2021

Version: 8.24

No.	Module	Description
1	QC	Multiple instrument codes may now be selected for Killed Station QC.
2	QC	Point range may now be specified (popup menu on line list).

Date: 29/09/2021

Version: 8.23

No.	Module	Description
1	QC	Bugfix: incorrect test results for missing stations.
2	QC	Display Y-axis for missing station plots.
3	QC	Disable inapplicable items in popup menu.
4	QC	Averaging tests for killed and missing stations disabled (inapplicable).

Date: 01/09/2021

Version: 8.22

No.	Module	Description
1	QC	Improvements in error reporting.
2	QC	Bugfix: incorrect data trend plot when failed process for source separation.

Date: 16/08/2021

Version: 8.21

No.	Module	Description
1	QC	Add test for average for whole dataset.

Date: 13/08/2021

Version: 8.20

No.	Module	Description
1	QC	Add instrument code to report and plots for killed stations.
2	Setup	Bugfix: reordering of QC items by drag-drop was not working.

Date: 03/08/2021

Version: 8.19

No.	Module	Description
1	QC	Sort list by default sort order at initialisation.
2	QC	Killed station QC can now have instrument code specified - user manual section 2.7.5.

Date: 10/04/2021

Version: 8.18

No.	Module	Description
1	QC	Report PDF file now saved with "fit window" and "single page" properties.

Date: 10/04/2021

Version: 8.17

No.	Module	Description
1	Setup	Bugfix: sequence number string from line name with trailing spaces was not being recognised.
2	QC	Suppress prompt to sort when already sorted by default sort order.

Date: 24/03/2021

Version: 8.16

No.	Module	Description
1	QC	Bugfix: was not handling line acquired in opposite direction to preplot.

Date: 23/03/2021

Version: 8.15

No.	Module	Description
1	Setup	Bugfix: program hang when removing QC item.

Date: 22/03/2021

Version: 8.14

No.	Module	Description
1	QC	Added cross line and along line series for Attribute and Source Separation.

Date: 19/03/2021

Version: 8.13

No.	Module	Description
1	QC	Distance, time and speed attributes are now calculated from the previous point along the same source line regardless of instrument code or index specification.
2	QC	Interactive plots now show point index and instrument code for mouse position.
3	QC	Now produces text and csv line and summary reports for attribute and source separation.
4	QC	Units of measure now always displayed where relevant.

Date: 27/02/2021

Version: 8.12

No.	Module	Description
1	QC	Now supports filtering by instrument code and point index.
2	QC	Improvements to report presentation.
3	QC	Improved plots for killed and missed station QC.
4	Map	Bugfix: access violation when attempting to display point time in hint.

Date: 06/02/2021

Version: 8.11

No.	Module	Description
1	QC	Bugfix: access violation when aborting multi-line QC containing comparisons.
2	QC	Bugfix: was mis-reporting failure for percentage out of spec in whole line.
3	QC	Data precision now specifiable for comparison csv report.
4	QC	Add tests for average over number of points and distance windows.
5	QC	Test failures now flagged in line csv report.
6	QC	Now draws spec lines on plot.
7	QC	For window tests where the window is greater than number of points in the line the test cannot fail but failures are still logged.
8	QC	Clean database now clears results for deleted QC items and series.

Date: 23/01/2021

Version: 8.10

No.	Module	Description
1	QC	Checks for successful comparison process before reporting.

Date: 11/01/2021

Version: 8.09

No.	Module	Description
1	Setup	Update QC parameter dialog.
2	QC	Improved reports for comparisons.
3	QC	Bugfix: various minor bugs in comparison reporting fixed.
4	QC	Bugfix: Compare SP numbers in plot were incorrect when comparing lines of different length.
5	QC	Test for points out of spec in window now handles window greater than points in the dataset.

Date: 04/12/2020

Version: 8.08

No.	Module	Description
1	Scan	Bugfix: relation file summary generation.
2	QC	Improved error messages for comparison.
3	QC	Added menu item in line list popup menu to open QC report for selected line.
4	Utilities	Bugfix: conversion of SP number from SPS format rev. 1.0 to P1/90.

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.