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P1Tools Release Notes

Refer to the user manual for details of new features.

Date: 02/06/2022

Version: 15.36

No.	Module	Description
1	PREPLOT	IMPORTANT: The Preplot module has been superseded with our preplot application SeisPlan. This has an option in the Tools menu for importing P1Tools project files. Please contact FGPS for further information, or visit the products page of our website.
2	All	P1/11 Files: Improved handling of invalid records.
3	All	P1/90 Files: Handle 'Z' records with ID in spare columns 14-16 (e.g. NFH).
4	QC	Now allows series selection when opening a plot.
5	QC	Improved handling of shot intervals less than one second.
6	QC Nodes	Improved handling of missed shots.
7	Postplot	Output folder is now specifiable.
8	Convert	Can now handle P1/90 files with microsecond timestamps.

Date: 09/12/2021

Version: 15.35

No.	Module	Description
1	QC	Improved handling of node names for P190 "other" records (e.g. NFH in 'Z' records).
2	QC	P190 format check: Allow other ID field to be populated in 'Z' records.
3	Preplot	Improved generation of 3D segmented projects.

Date: 15/11/2021

Version: 15.34

No.	Module	Description
1	QC Streamer depths	All depths now shown as positive values (except in plot). SDP file now has heights/depths option. Blank lines in SDP files now ignored.

Date: 01/09/2021

Version: 15.33

No.	Module	Description
1	All	Updated handling of DXF files.

Date: 01/09/2021

Version: 15.32

No.	Module	Description
1	Preplot	Improved project versioning and new project handling.
2	QC	Improved source tracking algorithm.

Date: 16/07/2021

Version: 15.31

No.	Module	Description
1	Preplot	Now supports floating point SP numbers.
2	Preplot	Improved P6/11 content.
3	Preplot	For 3D survey type now computes full fold polygon based on preplot CMPs.
4	Preplot	Line offset changed to survey offset, applied optionally to survey and exclusion polygons.
5	Preplot	Added versioning.
6	Preplot	New option to import binning grid from P6.
7	Preplot	New option to output all files referenced to a secondary CRS.
8	Preplot	General GUI updates

Date: 04/04/2021

Version: 15.30

No.	Module	Description
1	QC plot	Bugfix: Sometimes crashed when printing report with many plots.

Date: 14/04/2021

Version: 15.29

No.	Module	Description
1	Preplot	Net polygon area now reported in sq. km.

Date: 19/02/2021

Version: 15.28

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.
2	QC	Regression fix: Reinstated ability to select failures for receiver interval plot.
3	Preplot	Improved check points in P6/11 output.

Date: 20/01/2021

Version: 15.27

No.	Module	Description
1	QC	Bugfix: Could not handle P111 files with size > 2^31 bytes.

Date: 15/01/2021

Version: 15.26

No.	Module	Description
1	QC Compare	Bugfix: Running the compare module was resetting the QC status for that file.
2	Multiplot	Bugfix: When printing, plot title was not centred.

Date: 07/01/2021

Version: 15.25

No.	Module	Description
1	QC Integrity	Inhibit error message where source sequence not found but src id happens to be correct.
2	Streamer Shape	Corrected handling of P111 files.

Date: 12/11/2020

Version: 15.24

No.	Module	Description
1	New Project	All config files now initialised with filenames instead of directories.

Date: 26/10/2020

Version: 15.23

No.	Module	Description
1	Merge	Matches can now be filtered using all or part of line name. Multiple sets of matches can now be processed in one run.

Date: 05/10/2020

Version: 15.22

No.	Module	Description
1	Preplot	Bugfix: Sometimes crashed when opening new project after editing nodes.
2	Merge	Now handles P1/90 with blank ID fields in cols 17-19.

Date: 01/09/2020

Version: 15.21

No.	Module	Description
1	Postplot	If only one CRS in selected file default to using that one immediately.
2	Postplot	Save parms before running node config dialog.

Date: 16/07/2020

Version: 15.20

No.	Module	Description
1	P190 reader (all modules)	Assume rx is a dummy if both E and N coordinates are 9999999.9.

Date: 10/07/2020

Version: 15.19

No.	Module	Description
1	Preplot	No longer allows lines less than 2SP in length.
2	Preplot / Postplot	Bugfix: TOWGS84 rotation parameters were corrupted in shapefile PRJ file.

Date: 08/07/2020

Version: 15.18

No.	Module	Description
1	Extract	Bugfix: Only one line was being output when multiple files were processed to a single file.

Date: 03/07/2020

Version: 15.17

No.	Module	Description
1	QC	Bugfix: Depth and delta depth were swapped in receiver depth plots.

Date: 05/06/2020

Version: 15.16

No.	Module	Description
1	QC	Only show file name in plot title, not full path.
2	QC	Bugfix: "Select Failures" was not working for receiver depth plots.

Date: 14/05/2020

Version: 15.15

No.	Module	Description
1	QC	Various performance and memory improvements, especially when handling very large files.
2	TASTE	Gui layout improved.

Date: 30/03/2020

Version: 15.14

No.	Module	Description
1	Postplot	Bugfix: Module sometimes crashed when opening.

Date: 09/03/2020

Version: 15.13

No.	Module	Description
1	General	Bugfix: P111 files - corrected identification of last shot when only one record per shot.

Date: 09/03/2020

Version: 15.12

No.	Module	Description
1	QC	Integrity check now run on first line EPSG database when loading into CRS manager.
2	Extract	Bugfix: Corrected handling of excluded shot range.
3	Preplot	Now supports shapefile input for 2D line definitions.
4	Preplot	PDF sketch now reflects whatever is currently shown on the map.

Date: 25/02/2020

Version: 15.11

No.	Module	Description
1	General	P111 reader now detects ORCA object type 37 "Air Gun Array" as source node.
2	General	Bugfix: All PDF output now correctly generated with High DPI screen settings.

Date: 17/01/2020

Version: 15.10

No.	Module	Description
1	QC Integrity	Name of reference file now given in Header Comparison section of report.
2	QC Compare	CSV file name now contains file name only for zip files.
3	Various	Improved handling for polar latitude of origin for Transverse Mercator projections

Date: 19/12/2019

Version: 15.09

No.	Module	Description
1	QC Integrity	Bugfix: Errors sometimes reported in status when there were none.
2	P190 Format check	Bugfix: Corrected handling of high values for depth in data records.

Date: 26/11/2019

Version: 15.08

No.	Module	Description
1	General	P1 file lists now handle zipped files with no timestamp.
2	General	Improved performance when handling zip files.
3	QC Integrity	Text file location now defaults to reports folder.
4	QC Integrity	Format check report no longer indents text from file.
5	QC Integrity	Format check now allows "N/A" instead of transformation parameters, this allows for e.g. Nadcon transformations.
6	QC Integrity	Format check now has option to allow hires (86 character) records.
7	Preplot	Now supports DXF and shapefile formats for survey polygon and exclusion polygons.
8	Preplot	Now supports exclusion polygons for 2D survey type.

Date: 31/10/2019

Version: 15.07

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

Date: 18/10/2019

Version: 15.06

No.	Module	Description
1	Preplot	Bugfix: Corrected reading of exclusion polygons.

Date: 17/10/2019

Version: 15.05

No.	Module	Description
1	Application	Now allows automatic upgrades. The frequency of update checks can be set in the Tools / Options menu.
2	QC	P1/90 format checks now allow column 18 to be populated for T records.
3	QC	P1/90 format checks now allow alphanumeric character in column 19 of non-receiver records.
4	QC	Improved formatting of format check reporting.
5	Preplot	Bugfix: Improved file handling, fixes issue with creating Shapefiles when WGS84 transformation is Nadcon.
6	Replay	Improved hint display.
7	Replay	Now displays geographic cooordinates of mouse cursor in status bar.

Date: 22/08/2019

Version: 15.04

No.	Module	Description
1	Preplot	Bugfix: Bin grid transformation now gets grid unit UOM code from the CRS.
2	Postplot	Node config file now defaults to project Output folder.
3	Extract	Bugfix: When processing multiple files using the $ output format only the first file had a header written to it.

Date: 21/08/2019

Version: 15.03

No.	Module	Description
1	Preplot	Bugfix: Was not always correctly handling complex 3D Segmented preplots.

Date: 15/08/2019

Version: 15.02

No.	Module	Description
1	QC	New strict format check option, when switched off inhibits checking of P190 H0104/H0105 records.
2	Bathymetry	Add field for vessel draft for use when applying scale correction.
3	Bathymetry	Can now specify the start record when reading tide data from file.
4	Preplot, Split Files	Can now specify the start record when reading polygon from file.
5	Preplot	Improvements to GUI for selection of line direction nodes for 3D Segmented.

Date: 09/08/2019

Version: 15.01

No.	Module	Description
1	General	P111 output now only includes units of measure that are actually used.
2	QC	Bugfix: Incorrect feather calculation when waypoints are reversed.
3	Bathymetry	Bugfix: Occasional crash after copying CRS.

Date: 10/07/2019

Version: 15.00

No.	Module	Description
1	QC	New module replaces QC Offsets, QC Nodes and QC Streamer Depths, and introduces new QC functions (refer to user manual).
2	Replay	Corrected handling of waypoints in some cases.
3	Extract	Now supports streamer receiver renumbering.

Date: 05/04/2019

Version: 14.71

No.	Module	Description
1	General	Improved performance of reading and processing P1/11 files.
2	Convert	Now allows selection of 2 different WGS84 transformations if the input and output geographic CRSs are the same.

Date: 01/03/2019

Version: 14.70

No.	Module	Description
1	Preplot	Improved handling of new projects.

Date: 27/02/2019

Version: 14.69

No.	Module	Description
1	Convert	New option to add processing comments to output file header.
2	Convert	Now does not try to use transformation when geog CRSs are the same.
3	Convert	Minor GUI and processing improvements.

Date: 29/01/2019

Version: 14.68

No.	Module	Description
1	Preplot	Corrections for shift in binning grid origin.
2	Preplot	All bin grid parameters are now selected in the Binning Grid parameters page (not the CRS Inspector).

Date: 17/01/2019

Version: 14.67

No.	Module	Description
1	Convert	Simplified GUI for selection of output CRS and coordinate operation.

Date: 08/01/2019

Version: 14.66

No.	Module	Description
1	QC Offsets	Bugfix: Database file path was incorrect in some cases.
2	Preplot	Corrected handling of I/J offsets.