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P1Tools Release Notes

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

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 coordinates 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.

Date: 31/12/2018

Version: 14.65

No.	Module	Description
1	Project	Now only requires selection of one top level folder.
2	Licence	enhanced error reporting.



Date: 24/11/2018

Version: 14.64

No.	Module	Description
1	General	Improved handling of Nadcon transformations.
2	QC Streamer Depths	Bugfix: specified SP range was not being used.
3	TASTE	Bugfix: Trend plots not displayed.
4	Replay	Display can now be oriented up or across.
5	Replay	Added option to display hint of record info on mouse over node.
6	Extract	Bugfix: Corrected handling of multiple files.
7	Convert	Now allows input and output CRS to be the same.
8	Preplot	Improved shapefile output, SPs now added as M-values where appropriate.
9	Postplot	Improved shapefile output, SPs now added as M-values where appropriate.

Date: 26/09/2018

Version: 14.63

No.	Module	Description
1	All Modules	Old UKOOA concept of datums and single projection now replaced by EPSG CRS based model.



Date: 19/06/2018

Version: 14.62

No.	Module	Description
1	Postplot	Bugfix: Line change not handled correctly when creating DXF files.

Date: 19/06/2018

Version: 14.61

No.	Module	Description
1	Projects	Some default settings changed.
2	QC Offsets	Added check for missing line terminator in last line of file.
3	QC Streamer Depth	Bugfix: Receiver plot not working if only some receivers selected for plotting.

Date: 06/06/2018

Version: 14.60

No.	Module	Description
1	Postplot	Bugfix: Line change not handled correctly when creating Polyline M files.



Date: 03/06/2018

Version: 14.59

No.	Module	Description
1	Preplot	Bugfix: Polygon file selection sometimes not working.
2	Preplot	Bugfix: OBN source polygon was not being read from file.

Date: 03/06/2018

Version: 14.58

No.	Module	Description
1	QC Nodes	Improved handling when nodes not appearing in every shot.
2	QC Offsets	Improved handling for P1/11 databases.
3	Preplot	Updates for OBN surveys



Date: 18/05/2018

Version: 14.57

No.	Module	Description
1	General	Improvements to P1/11 and zip file handling in most modules.
2	Convert	Now gives indication to use CRS manager if selected P190 file has no header.
3	Merge	Output file is now always named after line name in file.
4	Merge	Bugfix: was outputting duplicate receiver records.
5	Geographic Overlay	Module deprecated.
6	Streamer Steering Simulator	Module deprecated.
7	User Manual	Updated.
8	TA	Improved handling for P1/11 QC databases.



Date: 01/05/2018

Version: 14.56

No.	Module	Description
1	Postplot	Bugfix: Node config file name not saved if changed.
2	Postplot	Now allows multiple input files to be written to separate files for KML/Shapefile output.
3	Postplot	KML placemarks can now optionally display node Id and/or SP.
4	CRS Manager	Can now import ".geo" files.
5	Merge	GUI improvements.

Date: 05/04/2018

Version: 14.55

No.	Module	Description
1	User Manual	Updated.



Date: 29/03/2018

Version: 14.54

No.	Module	Description
1	QC Offsets	Source tracking much more robust, sources should now be separated by a comma.
2	QC Streamer Depth	Changed CSV file first cell from "ID" to "Id" to handle Excel bug.
3	QC Streamer Depth	Now includes actual spec in CSV file header row.
4	QC Receiver Interval	Added option to auto-name CSV file.
5	Convert	Module updated to implement EPSG.
6	Postplot	Module updated to implement EPSG.
7	Tide	Module updated to implement EPSG.
8	Merge	Bugfix: was not merging on manually picked points after initial run.
9	Merge	Bugfix: was not updating plot after changing line selection.
10	Merge	Now allows file processing without merging.



Date: 01/01/2018

Version: 14.53

No.	Module	Description
1	Extract	Bugfix: Ensure last rx record of last streamer properly terminated.
2	Extract	Bugfix: Removed spurious characters from H1100 header record.
3	Extract	Bugfix: Corrected handling of user specified shot range.