



## P1Tools Release Notes

**Date:** 20 May 2011

**P1Tools Version:** 11.78

**P1Geo Version:** 1.03

No.	Module	Description
1.	Preplot	Now supports SPS V1 and V2.1 output.
2.	Preplot	FSP number in line input file can now be specified in either waypoint record.
3.	Preplot	Now outputs P698 file.
4.	Preplot	Now produces PDF report.
5.	Preplot	I & J coordinates included in report for all positions.
6.	Preplot	Both axis azimuths now included in report.
7.	Preplot	I & J now given to 2dp.
8.	Preplot	Added output folder browse button.
9.	Preplot	OBN Nodes now exportable to DXF file.
10.	Preplot	Vessel ID and preplot dimension now appear in column 31.
11.	Preplot, Convert	Now supports Universal Polar Stereographic projection.
12.	Multiplot	Bugfix: save table to file was creating an empty file.
13.	Postplot	Bugfix: Layer for record was being created when not required.

## P1Tools Release Notes

**Date:** 31 March 2011

**P1Tools Version:** 11.71

**P1Geo Version:** 1.03

No.	Module	Description
1.	Preplot	OBN node file line and point numbers rounded to 1dp to avoid numbering errors.
2.	Main	Now backs up current version of P1Tools.
3.	Preplot	Bugfix: geodetic parameters were not being correctly saved.
4.	QC Offsets, QC Nodes, Compare	Bugfix: error writing configurations.
5.	Preplot	Bugfix: SP annotation on DXF was too big.
6.	Preplot	Bugfix: Parameters were not being read when clicking Write DXF button.

## P1Tools Release Notes

**Date:** 25 February 2011

**P1Tools Version:** 11.67

**P1Geo Version:** 1.03

No.	Module	Description
1.	Replay	No longer requires V records to be present in the file.
2.	Replay	Now handles synchronisation when one file has missing shots.
3.	Compare	Now handles P1/84 data.
4.	QC Nodes	Bugfix: error reading RSO projection parameters from P1/90.
5.	Preplot	Bugfix: H2600 record for Orca was written as 3D when survey is 2D.
6.	Preplot	Now supports OBN.
7.	Preplot	DXF layers now specifiable.
8.	Preplot	Shape file is polyline if only endpoints are output, otherwise individual SPs are output.
9.	Write Shape	Now support SPS version 2.1.
10.	Split	New module to split files based on geographical location.

## P1Tools Release Notes

**Date:** 10 December 2010

**P1Tools Version:** 11.59

**P1Geo Version:** 1.03

No.	Module	Description
1.	Preplot	Bugfix: rounding error in CMP numbering.
2.	Main	New utility to split a file containing multiple lines into individual lines (file menu).

## P1Tools Release Notes

**Date:**                    **28 October 2010**

**P1Tools Version:**   **11.57**

**P1Geo Version:**     **1.03**

No.	Module	Description
1.	Postplot	Bugfix: Errors reading multiple line dataset in Unix format.
2.	Postplot	Bugfix: Buttons for loading and saving geodetic parameters were not present.
3.	Convert	Bugfix: conversion error when converting using NADCON.

## P1Tools Release Notes

**Date:** 02 October 2010

**P1Tools Version:** 11.55

**P1Geo Version:** 1.03

No.	Module	Description
1.	P1Geo	Now support saving overlaid image to bitmap.
2.	Tide	Bugfix: last record containing "EOF..." was being processed.
3.	Tide	Bugfix: was not handling SP based data with SP increment > 1 or < -1.
4.	Tide	scale and datum corrections were not being applied when replacing depths with value from data file.
5.	Preplot	Added extra H2600 records for Orca.
6.	Postplot	Now includes graticules and information panel.

## P1Tools Release Notes

**Date:** 28 July 2010

**P1Tools Version:** 11.51

**P1Geo Version:** 1.02

No.	Module	Description
1.	Preplot	Northings greater than 10000000 are now written to P1/90 as integers.
2.	Preplot	Bugfix: error writing shape file.
3.	Replay	Window size and position is now saved.
4.	Preplot/ Convert	Format for saving geodetic parameters has changed. NOTE: .GEO FILES CREATED BY PREVIOUS VERSIONS ARE NOT COMPATIBLE.
5.	Convert	Now supports Norwegian polynomial and NADCON.

## P1Tools Release Notes

**Date:** 21 June 2010

**P1Tools Version:** 11.48

**P1Geo Version:** 1.02

No.	Module	Description
1.	Preplot	New feature for 2D mode to extend lines.
2.	Preplot	New feature for 2D mode to snap to object when moving line endpoints.
3.	Convert	Bugfix: writing grid origin to header was garbled.
4.	QC Nodes Replay	Will now work without geodetic information in header.
5.	Compare	Bugfix: Could not plot data when first comparison file did not contain time e.g. preplot.
6.	Preplot	Bugfix: SPS H14 record was incorrectly labelled H12.
7.	Preplot	Bugfix: SPS H220 record was incorrectly labelled H22.
8.	Replay	New option to import graphics files in DXF and SHP formats.
9.	Replay	New option to colour code streamers according to streamer depth.
10.	Preplot	New options to move node by entering E, N or dE, dN.
11.	Preplot	Now has option to snap to graphics object when moving nodes in 3D mode.
12.	Preplot	Bugfix: changing polygon with existing lines constrained was not working properly.

## P1Tools Release Notes

**Date:** 24 February 2010

**P1Tools Version:** 11.37

**P1Geo Version:** 1.02

No.	Module	Description
1.	Tide	New option to apply scale to depths.
2.	Tide	Header comment records added.
3.	Preplot	Bugfix: coordinates for grid origin were being misreported.
4.	Preplot	Bugfix: line positions were changing when bin origin was changed.

## P1Tools Release Notes

**Date:** 22 November 2009

**P1Tools Version:** 11.34

**P1Geo Version:** 1.02

No.	Module	Description
1.	Convert	Bugfix: last record was being written twice.
2.	Preplot	Bugfix: output filenames were losing extensions that were not .p190, .s, r, .dxf, .shp, .txt

## P1Tools Release Notes

**Date:** 7 September 2009

**P1Tools Version:** 11.32

**P1Geo Version:** 1.02

No.	Module	Description
1.	Preplot, Convert	Now supports Mercator projection.
2.	Preplot	Line coordinate file records can now specify the FSP of the line (see format description).
3.	Preplot	New feature to constrain to existing grid when interactively modifying polygon.
4.	Preplot	New option to convert shapefile coordinates from geographic to grid.
5.	Preplot	Output now includes shapefile.
6.	Convert	Bugfix: RSO angles were not being loaded from saved parameter file.

## P1Tools Release Notes

**Date:** 24 July 2009

**P1Tools Version:** 11.20

**P1Geo Version:** 1.02

No.	Module	Description
7.	Preplot	Bugfix: SP annotation direction for dogleg lines was incorrect.
8.	Preplot	Bugfix: SP tick marks for dogleg lines were too long.
9.	Preplot	Now supports input file with geographic coordinates.
10.	Preplot	Blank datum transformation fields are now forced to 0.
11.	Preplot	Dialog is now contained in a scrollbox.
12.	Preplot	Parameters re-initialised when starting new project.
13.	Postplot	Now supports output of water depth.
14.	QC offsets/ Integrity	Bugfix: H1800 record format check was incomplete.
15.	Tide	Bugfix: was not working with decrementing shotpoints.
16.	Receiver Interval	Bugfix: in csv file max and min were swapped.
17.	Replay	Bugfix: when more than 10 streamers present a line was being drawn between streamers.
18.	Replay	Bugfix: number of intermediate waypoints for long lines exceeded limits.
19.	All	TM grid to geog conversion precision increased to cope with extreme latitudes.

## P1Tools Release Notes

**Date:** 18 March 2009

**P1Tools Version:** 11.13

**P1Geo Version:** 1.02

No.	Module	Description
1.	Preplot	Bugfix: Saving changes to a tab delimited input polygon or line file was not correctly writing the delimiter.
2.	Main	Shape file export is now fully implemented except for receiver records which are not written.

## **P1Tools Release Notes**

Date: 17 February 2009

**P1Tools Version: 11.12**

**P1Geo Version: 1.02**

<b>No.</b>	<b>Module</b>	<b>Description</b>
1.	Postplot	G records (Geophone) now supported.
2.	All	Reads new H26 waypoint records (column change).
3.	Preplot	Bugfix: rounding error when calculating total sail line lengths.







## P1Tools Release Notes

Date: 14 November 2008

**Version: 10.00**

<b>No.</b>	<b>Module</b>	<b>Description</b>
1.	Intersect	Bugfix: the nearest SP was being misreported when SP numbers decremented.
2.	Preplot	Bugfix: grid azimuth greater than 180 deg was being reported as negative (complement).
3.	Streamer Steering Simulator	New module.

## P1Tools Release Notes

Date: 17 August 2008

**Version: 9.01**

No.	Module	Description
1.	Main	Bugfix: Project file move (to new project folder) was reported as not moved when it was moved.
2.	Shape	Bugfix: Import of measure data did not work when optional data was present.
3.	Postplot	Bugfix: program would hang when encountering duplicate records.
4.	Concat	Bugfix: sorting by date/time was not working properly.

## P1Tools Release Notes

Date: 19 July 2008

Version: 9.00

No.	Module	Description
1.	Preplot	Preplot: Position of information on map can now be specified.
2.	Preplot	Shape file display is now supported, not tested on later shape file formats.
3.	All	Project definition files (*.prj) now stored in Project folder below main program folder.
4.	Project	A project folder for data files must now be specified. This is the parent folder below which all data is stored. Configuration, output, database and report folders are now automatically assigned below the project folder.
5.	Main	New P1/90 and SPS to shapefile conversion utility, accessed from the File menu. Note that shape attribute files (*.dbf) are not yet supported.
6.	Replay	Bugfix: step back was not working.
7.	Concat	Bugfix: lsp was not being read for files with only one record per shotpoint.
8.	Compare	Bugfix: 6 digit SP number was causing P190 synchronisation problem.



## P1Tools Release Notes

Date: 19 May 2008

**Version: 8.37**

No.	Module	Description
1.	QC Offsets	Bugfix: Carriage return line feeds were not being correctly read resulting in format violation reports.







# P1Tools Release Notes

Date: 29 April 2008

Version: 8.33

No.	Module	Description
1.	QC Offsets	Bugfix: when replying Yes to message to "Set optimisation for memory" processing re-started from the beginning of the queue.
2.	QC Nodes	Dialog to select P1/90 files would not appear if default file did not exist.



# P1Tools Release Notes

Date: 13 April 2008

Version: 8.31

No.	Module	Description
1.	All	Bugfix: Index out of bounds error when saving project parameters.
2.	QC Offsets	Format checking for H09XX record now requires a 1 or 2 in column 37-40.
3.	QC Offsets	Bugfix: Format exceptions were not being written to integrity report.

## P1Tools Release Notes

Date: 12 April 2008

**Version: 8.30**

No.	Module	Description
1.	Replay	Bugfix: Plot would disappear when stepping first SP after zooming out an panning.
2.	Replay, Preplot	Mouse wheel can now be used to zoom.
3.	TASTE	Statistical test report now includes min/max value of failure.
4.	TASTE	Bugfix: when statistical tests were run from QC Offsets the configuration file could not be opened.
5.	TASTE	Bugfix: In offset tests good data was erroneously being failed.
6.	Multiplot	Mouse wheel can now be used to scroll through plots - see options in Options menu.
7.	Multiplot	Mouse wheel can now be used to zoom on plots: <Ctrl> + wheel for X-axis, <Shift> + wheel for Y-axis, click wheel (middle button) to zoom extents.
8.	Project	Start character position for sequence number from line name can now be specified in number of characters from the end of the line name field.
9.	QC Offsets	Multiple P1/90 selection now supported.
10.	QC Offsets	If there are integrity exceptions a report is now generated and saved in the project report folder.
11.	QC Offsets	A shot report for all lines is now maintained in the project report folder. This is updated for subsequent runs of the same line. An asterisk indicates missing shots which are detailed in the integrity report for that line.
12.	QC Offsets	The source sequence integrity is now specified with the source number for odd shots first e.g. "21" indicates that source 2 should fire on odd shots.
13.	P1/90 list	For multiple file selection, sequence column is now included - click on column header to sort by sequence.
14.	Line lists	Multiple selection is now enabled to facilitate multiple deletion of database files.
15.	Preplot	Recent project list added to menu.
16.	Preplot	Bugfix: was not prompting to save changes when opening from recent file list.
17.	QC Nodes	Multiple P1/90 selection now supported.
18.	QC Nodes, Replay	Bugfix: Module would hang if P1/90 had certain non-format compliant records.

<b>No.</b>	<b>Module</b>	<b>Description</b>
19.	Various	Bugfix: After answering "yes" when prompted to set optimisation for memory the module would crash on completion.
20.	DXF	Recent config list added to main menu.
21.	Convert	Log file is now created the same folder as the first P1/90 file in the list.



## P1Tools Release Notes

Date: 14 February 2008

**Version: 8.00**

No.	Module	Description
1.	Main	Text editor added to main menu.
2.	Main	Header view utility added to main menu.
3.	Main	Header comparison utility added to main menu.
4.	DXF	Labelled point size as been increased.
5.	Replay	Survey line is now plotted in black when printing.
6.	Replay	Bugfix: Was getting divide by zero error when waypoint eastings are the same.
7.	Replay	Bugfix: Was getting divide by zero error when waypoint eastings are the same.
8.	QC Offsets, QC Nodes, Compare	Can now select cells and copy to clipboard from popup menu.
9.	Extract	New option to reverse receiver numbers.
10.	TASTE	Bugfix: some plots were not being displayed because plot name format had been changed.
11.	Preplot	Bugfix: Was getting access violation when reading DXF file with "Line" object.
12.	Preplot	Now displays measurements while editing nodes/waypoints.
13.	Preplot	Now supports Statoil line naming convention (cmp low-high).
14.	Preplot	Can now specify cell numbers at binning grid origin.
15.	Concat	Can now specify SP ranges.
16.	Tide	Can now apply datum correction.
17.	Tide	Can now select which records to apply corrections to.
18.	Tide	Bugfix: Error when year not specified in tide data.
19.	QC Nodes, Compare	Multiple record selection simplified.
20.	QC Offsets	Now has auto-configuration function.
21.	Convert	Bugfix: scale factor in H1600 record was not being written to 7dp

## P1Tools Release Notes

Date: 16 July 2007

**Version: 7.57**

<b>No.</b>	<b>Module</b>	<b>Description</b>
1.	Tide	Bugfix: was not working on decrementing shots.

## P1Tools Release Notes

Date: 14 July 2007

**Version: 7.56**

No.	Module	Description
1.	Tide	Can now specify either shotpoint or time for data sunchronization – format specifier = 'p'.
2.	Extract	Bugfix: was getting canvas drawing error.
3.	Nodes	Bugfix: was getting canvas drawing error.

## P1Tools Release Notes

Date: 13 July 2007

Version: 7.55

No.	Module	Description
1.	Tide	A choice of operation is now provided - subtract, add or replace with - the value in the data file.
2.	Replay	Added echosounder record to list of available records.

## P1Tools Release Notes

Date: 29 May 2007

**Version: 7.54**

No.	Module	Description
1.	Tide	Tide data is now subtracted from the recorded depth (was previously added). I.e. The tide data is now considered a reduction and not a correction.
2.	QC Offsets/Integrity	The format checker now recognises the EOF record and does not report a format violation as long as it is padded to 80 characters long.
3.	Preplot	Added option to align shotpoints in 2D lines.
4.	Preplot	V and A added to record list.



# P1Tools Release Notes

Date: 09 April 2007

Version: 7.52

No.	Module	Description
1.	DXF	Minor line label orientation bug
2.	Preplot	Layback label was not visible when source output > 0

## P1Tools Release Notes

Date: 09 April 2007

Version: 7.50

No.	Module	Description
1.	DXF	Now supports multi-line p190
2.	Preplot	Runin & runout can now also be specified for SPS S
3.	Preplot	Can now specify p190 output record type
4.	Preplot	Can now specify source-CNG layback when writing 'S' records (p1 or sps) - the source position is shifted forward by half this value
5.	Preplot	Flip-flop now only applicable to S records
6.	Preplot, Replay, Streamer	Now supports zoom with mouse & shift key
7.	Preplot	Bugfix: DXF file lat & lon deg number of digits were swapped
8.	Preplot	Can now specify which axis (I or J) lies in the line direction
9.	Preplot	Can now compute line direction by clicking on polygon segment
10.	Preplot	Can now shift all lines by specified range & bearing (e.g. for compatibility with previous surveys)

## **P1Tools Release Notes**

Date: 20 March 2007

**Version: 7.31**

<b>No.</b>	<b>Module</b>	<b>Description</b>
1.	DXF	Bug fix: line label size was forced to 10
2.	Extract	Output shotpoint numbers are now modulo stated SP interval

## P1Tools Release Notes

Date: 05 March 2007

**Version: 7.30**

No.	Module	Description
1.	Intersect	New module for computing line intersections.
2.	Tide	New module for applying tidal reductions from external data.
3.	Extract	Line name field added.
4.	Extract	New style of field selection enabling fields to be output in user defined order.
5.	Preplot	Bug fix: number of sources was not being read immediately after having been changed.
6.	Preplot, Replay, Streamer	Zoom window button added, mutually exclusive with Pan button.
7.	Preplot	Bug fix: SPS source number was not being initialised.
8.	Preplot	Receiver lines were not being deleted after changing from 3D to 2D mode.
9.	Preplot:	Bug fix: imported DXF polylines were being closed i.e. as polygons.
10.	Preplot	Bug fix: imported DXF text alignment bug.

## P1Tools Release Notes

Date: 03 November 2006

Version: 7.20

No.	Module	Description
1.	Project	Now has option to set the line sequence by time of first shotpoint in the file
2.	TASTE	Trend plots now with user selection of lines
3.	QC Offsets, QC Nodes, Compare	Now user can specify shotpoint range
4.	QC Offsets	Bugfix: integrity check now reports duplicate shots as duplicate and not missing

## P1Tools Release Notes

Date: 26 October 2006

**Version: 7.01**

No.	Module	Description
1.	DXF	Bugfix: record selection not being read from config file
2.	DXF	Bugfix: P190 list popup menu not working properly
3.	Concat	Bugfix: P190 list popup menu not working properly

## P1Tools Release Notes

Date: 24 October 2006

**Version: 7.00**

<b>No.</b>	<b>Module</b>	<b>Description</b>
1.	Replay, Streamer Shape, Preplot	Zooming and panning functions re-designed and improved.
2.	Receiver Spacing	The shotpoints at which the minimum and maximum intervals occur are now given.
3.	Preplot	For SPS Pair, cable separation no longer needs to be double the source separation.