

Reflexw 10.0/9.5/9.1/8.5/8.0/7.5/7.2 news history (from 01.01.2014 to):

date	module	changes	Ver. 10.3	Ver 9.5	Ver 9.1
23/11/23	export format ASCII-3D_DATA	Now 64 bit precision is used for the export	x		
10/09/23	2D-dataanalysis, plotoption, edit color palettes	it may happen that the first color palettes are not shown, corrected now	x		
23/03/23	2D-dataanalysis, correct for offset traceheader	if no coordinate changes in y-direction are present the calculation of the actual profile direction failed – corrected now	x	x	x
06/03/23	2D-dataanalysis, wiggle window	the amplitude/time display was not visible within the 64 bit version if large fonts are used – the menu distribution has been changed accordingly	x		
30/01/23	3D-datainterpretation – create single timeslices	the option plot lines draws the 2D-lines with the coordinate origin in the upper left corner-now the coordinate original is in the lower left corner	x		
05/01/23	2D-dataanalysis, trace spectrum	the scaling of the amplitude values of the resulting trace spectrum has been modified	x		
07/12/22	update traceheader using csv-gps format	the gps data could not be read in furthermore (only ver.10), corrected now	x		
05/12/22	3D-datainterpretation - create 3D-file based on use interpolation scheme	Now a warning message appears if the start time of the 2D-lines is not 0 for all files	x	x	x
25/11/22	printing	an error message appeared that a par-file could not be read, the message does not appear anymore	x		
18/11/22	sequence processing, correct picked phase	under special circumstances the old trv file was asked instead of the pck-file – corrected now	x	x	x
10/11/22	64 bit version	the code has been optimized in order to increase the speed of execution of some cpu time intensive applications like migration or loading a 3D-file	x		
01/11/22	3D-datainterpretation – 3D-pick, 3D-pick-cube	it may happen that the picks have not been displayed within the 3D-cube, changed now	x	x	x
05/08/22	2D-dataanalysis, stack traces	the ensemble nr. within the traceheaders of the stacked profile was wrong for the last trace of the individual ensembles – corrected now		x	
18/02/22	2D-dataanalysis, view cores based on xy-traceheader coordinates	The cores were not displayed at the correct positions within the secondary windows if the position is based on the xy-traceheader coordinates, corrected now		x	
21/01/22	2D-dataanalysis, import SEGY, conversion sequence combine lines	The first trace of each original file will be lost if the option read traceincr. is activated even if it is not visible (only ver.9.5), corrected now		x	
05/11/21	2D-dataanalysis, export	now also the newer PulseEkko project format is supported by the export		x	
05/11/21	2D-dataanalysis, 64 bit processing, e.g. 3D-migration	a stack overflow occurred for the 3D-diffraction stack and 3D-Kirchhoff migration when running in 64 bit mode, corrected now		x	
25/10/21	2D-dataanalysis, import ImpulseRadar with gps data	the format of the original gps cor-file has been changed (a comment line had been included), expanded in such a way that comment lines may be present		x	
08/10/21	2D-dataanalysis, import RADAN 32 bit	the import of the local coordinates from the dzx file may be wrong, corrected now		x	
08/10/21	modelling, fd modelling	an error message source located on absorbing boundary may occur for the simulation of ConstantOffset seismic data, corrected now		x	
25/08/21	2D-dataanalysis, printing	autointerpolation did not work if more than 2 sections had been printed at the same time		x	
05/08/21	2D-dataanalysis, edit several file headers	the combination of update traceheader/gps-times and calculate distances only worked for the first file		x	x
14/07/21	2D-dataanalysis, import SEGY	the import of the FFID number was restricted to 16 bit, now the whole number (32 bit) will be read in		x	
09/04/21	2D-dataanalysis, import 3D-Radar vol data	the timeincrement was not read from data using a newer Examiner software, corrected now		x	
21/03/21	3D-datainterpretation – slices including a smoothing range	The display of the actual smoothing range has been improved, this also concerns the display of the picks within the slices using a smoothing range		x	x
19/03/21	2D-dataanalysis, correct for offset traceheader	now also the z-coordinates will be corrected, provided the correction is only done in profile direction (lateral offset 0) and for back direction		x	
19/03/21	2D-dataanalysis, smooth xy and z-traceheader coordinates	now the smooth range will be automatically adapted within the start and end range of the profile in order to avoid extrapolation problems		x	
24/02/21	modelling/ray tracing	If the raytracing is based on a tomographic rasterfile with regions with a velocity of 0 it may happen that the rays do not penetrate this region and as a result a very high travelttime is calculated – now these values will be omitted		x	
23/11/20	2D-dataanalyses together with 3D-datainterpretation	it might happen that the coordinates within the 3D-datainterpretation are not correctly viewed if the 2D-dataanalysis is open and active and the yaxis scaling exhibit very large values, corrected now		x	x
06/11/20	2D-dataanalysis, view profile line and interactive choice	the x- and y-coordinates had been exchanged for the DXF-export, corrected now, new option interchange XY included (only ver. 9.5)		x	x
03/11/20	2D-dataanalysis, save picks export several pickfiles, ASCII-free columns	now a warning message appears if the profile constant shall be exported		x	x
12/10/20	2D-dataanalysis, autopick	autopick was deactivated in ver. 9.5, activated now		x	
04/09/20	2D-dataanalysis, coredata velocity adaptation	it could happen that the thicknesses of the actual layer of the core data will be changed wrongly (only ver. 9.5) – corrected now		x	
17/08/20	modelling, axis display	a large axis font has only be considered correctly after having entered another module, corrected now		x	x
10/08/20	2D-dataanalysis, timedepth conversion based on 2D-mean or layer velocity distribution	now also a 2D-velocity distribution with FOOT as distance dimension is supported		x	x
29/04/20	2D-dataanalysis, load picks with activated use pickcode	the color for the pick with the code of the 1. pick has not been updated when loading old picks, corrected now			x
29/04/20	2D-dataanalysis, phasefollower	autostop only worked with activated autostart, corrected now			x
24/02/20	2D-dataanalysis, view core data based on xy-coordinates	not supported for printing until now – corrected now			x

28/01/20	2D-dataanalysis, fk-migration	it might happen depending on the previous processing flow that the migration has been done based on the double of the entered velocity, corrected now			x
14/01/20	2D-dataanalysis, compress filter	new option fix profile length or fix trace increment			x
30/11/19	3D-datainterpretation – 3DScan	Mala rd6 data with activated option flip sorting x-scans or y-scans, the resorting was wrongly shifted by one line, corrected now			x
26/08/19	2D-dataanalysis, export SEG Y	the SEG Y export of the inline and crossline number has been flipped			x
21/05/19	2D-dataanalysis, correct for offset traceheader	the lateral offset is reversed for negative offsets in profile direction (only within ver. 9.0), corrected now			x
02/05/19	2D-dataanalysis, import file split	now the gps-coordinates will be imported correctly for the splitted files			x
25/04/19	3D-datainterpretation, view gps map	the option show slices was not visible, corrected now			x
23/04/19	3D-datainterpretation - create 3D-file based on use interpolation scheme for pure x- and y-lines	if the sorting has been done based on the fileheaders the sorting combo box must have been clicked in any case – otherwise the interpolation in y-direction has not been performed, corrected now			x
09/04/19	2D-dataanalysis, save picks ASCII-columns (from ver. 8.5)	the decimal separator defined within the global settings menu has been used for the output of the traceheader coordinates, now point is used			x
14/03/19	2D-dataanalysis, stack traces (from ver. 8.0)	with the parameter number of tr./ensemble greater 1 a problem might occur for the last stack – corrected			x
05/03/19	modelling, tomography	the option restrict to covered area has been improved			x
15/02/19	2D-dataanalysis, next, prev.	if a proc filefilter had been set the next/prev. Buttons do not work for rawdata any more, corrected			x
15/02/09	2D-dataanalysis, resort-traceheader	the last trace has been duplicated under special circumstances, corrected			x
28/11/18	modelling, load data traveltimes	Now the standard format is Reflexw pck			
28/11/18	2D-dataanalysis, show isolines	now no isolines will be displayed where 0 amplitude values are present, e.g. at the borders of a tomographic result. No isolines will be plotted in case of wiggle mode plot.			
26/11/18	2D-dataanalysis, layershow, fill with velocities	until now 1/1 reset had to be pressed for a correct presentation, now automatic			
05/11/18	2D-dataanalysis, depth axis, flip y axis	the depth axis has not been shown with flip y axis activated			
02/10/18	2D-dataanalysis, next, prev.	with activated plotoption TraceHeaderDist. the actual tracenummer has not been shown correctly when mouse moving – corrected (from ver. 8.0)			
17/08/18	2D-dataanalysis, layershow, create velocity	the increment will be automatically set to a multiple of the actual traceincrement			
15/08/18	2D-dataanalysis, import IDS data	data with code 48 00 00 00 and 48 20 20 20 are read in			
24/07/18	2D-dataanalysis, resampling	new check if the sample number is larger than 32768, in this case the filter only works within the time dimension			
05/07/18	2D-dataanalysis, sequence processing	Now an error message appears if a sequenprocessing containing normalize profiles does not start with the option normalize profiles			
09/05/18	create timeslices	now the right axis will be the same as the left one if depth axis has been activated within the plotoptions			
09/05/18	modelling, fd-calculation	the calculation of suggestions for the critical FD-parameters now takes into account if a topography has been used			
02/03/18	modelling, symbol lens	the parameters had been defined below the lens, now they are defined within the lens			
22/02/18	2D-dataanalysis, import	Now meandering is supported for lines which are not strictly parallel along the x- or y-axis using the parallel lines sequence processing			
12/02/18	2D-dataanalysis, import	A rounding problem might occur for the profile constant coordinates when using utmcoordinates and meandering parallel lines			
01/02/18	2D-datanaalalysis, utm-conversion	until now for latitudes smaller -80 and greater 84 degree a ups transformation has been used, now a utm-transformation is used			
15/01/18	2D-datanaalyis, layershow, create velocity	the transformation into layer velocities has been improved for the multioffset picks type			
12/12/17	2D-dataanalysis, edit comment marker	the marker comments had not been taken into account in ver. 8.5 if creating the markers using ASCII-dist. Format			
07/12/17	2D-dataanalysis, rotate 90 degree, print	now printing also supports the picks for rotated 90 degree display			
07/12/17	2D-datanalysis, picking	now picking is not possible outside the profile distance range			
14/11/17	2D-dataanalysis, print	a new error message occurs if the print size in x-direction for printing in horizontal split mode is too big			
03/11/17	3D-datainterpretation-xyz cuts	the clipboard for the grouping by rows missed the y-cut – changed now			
24/10/17	3D-scan	Crossing lines – new check if the profile lengths do not fit the crossing area			
09/10/17	2D-dataanalysis, traceheader tabella	apply borehole deviations - If one of the borehole files is completely empty no changes will be done for this borehole.			
02/10/17	2D-dataanalysis, import	import for gsf-format has been improved			
24/09/17	2D-dataanalysis, traceheader tabella	check rec.coordinates, option has been improved			
18/07/17	2D-dataanalysis, import SEG2	new check for the header parameters if these do not fully support standard			x
13/07/17	modelling	new option export Reflexw rasterfiles under file			x
13/07/17	2D-dataanalysis, gps import nmea strings	new control if a GPGGA sentence is present – in this case all other sentences will be ignored			x
13/07/17	2D-dataaanylisis, save picks ASCII-columns	new option meridian stripe for the eastern output			x
29/06/17	2D-dataanalysis, import	bitmap import has been improved			x
29/06/17	2D-dataanalysis, import	new format Crossover			x
14/06/17	2D-dataanalysis, load free ASCII-format picks	now also picks for which only the tracenummer has been stored (no distancies) may be reloaded again using the free ASCII-format			x
08/06/17	2D-dataanalysis, import RADAN data	new option useDZXMarkers for a discrimination of reading markers from original dzt and dzx-file			x
08/06/17	2D-dataanalysis, edit comment markers	now the import form ASCII-files (TAB and MAR-files) may also be done based on tracenumbers instead of distancies			x

07/06/17	2D-dataanalysis, load tom-pick files	now 3D-tom-files can be imported more precisely within the pickmenu			
07/11/16	printing with Rotate90Degree option	now printing with Rotate90Degree option is available within the 2D-dataanalysis and the CMP-velocity menu			
07/11/16	2D-dataanalysis, correct 3D-topography	now the coordinates may also be loaded from the traceheaders for the x-projection			
21/10/16	3D-datainterpretation, automatic adjustment of secondary profile	error message if profileincrement is not a multiple of the new traceincrement			
21/10/16	2D-dataanalysis, import	import VIY-data, original parameter WheelMult is now considered			
20/09/16	2D-dataanalysis, load free ASCII-format picks	Now if only depths and no traveltimes have been exported the traveltimes values will be calculated from the depths and the actual velocity			
08/08/16	2D-dataanalysis, edit traceheader menu, save on ASCII	a problem might occur for the batch start within one single file – corrected now			
18/07/16	2D-dataanalysis, comment marker	warning message if the number of entries within comment.fil exceeds 32000			
04/07/16	2D-dataanalysis, file split	the start coordinate of the last splitted datapart could be wrong- corrected now			
02/06/06	modelling- tomography	now the z-values may also be elevation values if the option altitude is activated			
09/05/16	CMP-velocity analysis – create 2D-model	the size of the filenames of the 1D-models (without path) was restricted to 20 characters, extended to 80 characters now			
09/05/16	Traceheader – update based on UTI-GPS and IDS-GPS	if the tracenumbers are read from an external file (*.gpt) -the import failed within version 8.0 – corrected now			
27/04/16	Traceheader – update based on ASCII-file/interpol.	the z-coordinates have not been interpolated – corrected now			
27/04/16	2D-dataanalysis, fk-filter within sequence processing	it might happen that the filter stopped during sequence processing – corrected now			
27/04/16	2D-dataanalysis, FD migration	Some memory has not been released – corrected now			
09/03/16	2D-dataanalysis, utm conversion	the utm converted coordinates had been stored on exchanged xy-coordinates if the fileheader profiledirection was 'Y' – now the coordinates are stored independently from the fileheader profiledirection			
09/03/16	2D-dataanalysis, import multichannel Radan data	new check has been incorporated if single header has been activated			
09/03/16	2D-dataanalysis, correct max.phase	it could happen that the processing option did not start – corrected now			
23/02/16	2D-dataanalysis, comment marker create from ASCII XY file	until the sum of the x- and y-distance has been used in order to determine the nearest coordinate pair, now the overall distance will be used			
23/02/16	2D-dataanalysis, average and median xy-filter	if the filter has been restricted to a special time range the non filtered timerange had been shifted by one trace – corrected now			
12/02/16	2D-dataanalysis, wigglescale	now the wigglescale ≤ 2 for tracenormalized datadisplay can also be changed interactively using the arrow key			
09/02/16	2D-dataanalysis, running average	if used for e.g. a tomographic inversion result the trace in the centre of the bandwidth was filtered too much – corrected now			
03/02/16	2D-dataanalysis, layershow, export Reflexw rasterfile	problems occurred if the first layer number of the layershow did not start with number 1 and used afterwards for a timedepth conversion – corrected now			
19/01/16	2D-dataanalysis, CMP-processing, geometry setting	standard geometry y-direction rec. And fixed line, table display not correct – corrected now			
16/12/15	import Radan data	the restriction of max. 16000 samples has been removed			
01/12/15	import IDS data	Now IDS-data with the code AC20 are considered.			
20/11/15	plotoption autom.scale	if activated the interactive change of the act.palette did not work – corrected now			
11/11/15	export to bitmap	now the plotoption autom.scale will be taken into account for the bitmap export			
09/11/15	Modelling – 3D raytracing	The 3D-raytracing based on data traveltimes has been improved			
07/10/15	export to Mala format	now the measured time will be exported to the Mala rad-file			
07.10.215	Modelling – FD simulation	the max. size of the filenames has been increased to 40 characters without the filename path			
07/10/15	printing	pageblocking has been improved – warning messages that manual scaling and manual axis labelling should be used, the blocking range has been increased by one trace (now it goes e.g. from 0-100, 100-200, 200-300...)			
14/08/15	import PulseEkko data	a new check has been included if undefined values are present within the original PulseEkko traceheaders			
07/08/15	modelling- tomography	the multiple choice of tomographic data files did not work within ver. 7.5 – corrected now			
30/07/15	CMP-velocity analysis	view traveltimes differences for VSP-data – now also nonequidistant picks are supported			
26/06/2015	2D-dataanalysis - picking with activated plotoption reduction velocity	the picking with activated option reduction velocity and a manual scale did only work if the scale was large enough in time direction - now corrected			
23/06/2015	2D-dataanalysis - export bitmap using wiggle mode	the background color could not be defined - now the background color defined within the plotoption will be used			
04/06/2015	modelling - create model using rectangles	until now the slope was only used for the z-coordinate - now the slope also applies for the x-coordinate which allows to define steeper angles than 45 degrees.			
06/05/2015	modelling - FD-raytracing with reflections	until now the calculation of reflections was restricted to a source/receiver line above the reflectors - now the reflectors may also lie above the source/receiver line			
06/05/2015	2D-dataanalysis - prestack migration	now also integrated into sequence processing			
24/03/2015	2D-dataanalysis - import Mala with baseline activated	the baseline format obm has been changed a little bit - now supported			
16/03/2015	2D-dataanalysis - prestack migration	a problem could occur if topography based on the traceheader values had been chosen - corrected now			
16/03/2015	2D-dataanalysis - fk-filter	if a secondary dataset had been loaded with different parameters it could happen that the fk-calculation failed if you entered this secondary window during the process - corrected now			

02/03/2015	2D-dataanalysis - timedepth conversion	for a timedepthconversion based on a 2D-velocity distribution first the const.velocity button had to be activated and then the 2D-velocity button - corrected now			
27/02/2015	2D-dataanalysis - import IDS-data	now the dt data from the new Opera system can also be imported			
26/02/2015	2D-dataanalysis - moving window spectrum	now the start value for the frequency axis will always be set to 0			
26/02/2015	modelling - import (x,z)	a smoothing has been included if the number of xz-values exceeds the number of max. layer points			
26/02/2015	travelttime analysis - invert first layer	if the number of shots exceeds the number of max. layer points a new smoothing has been included. In addition a new option named 1 velocity/shot has been inserted			
23/02/2015	2D-dataanalysis - view core data	if the core data are located in a special depth the velocity adaptation was restricted to the standard velocity which is used for the depth axis - corrected now			
23/02/2015	modelling - tomography	option restrict to max.angle - until now after having changed this option or the parameters the travelttime data had to be reloaded - now this is done automatically			
18/02/2015	2D-dataanalysis - YoYo section	sometimes option did not work - corrected now			
11/02/2015	2D-dataanalysis-global settings	The def.distance dimension for modelling/travelttime analysis will be automatically checked when leaving Reflexw			
10/02/2015	modelling - tomography	the calculation of the confidence file has been improved			
02/02/2015	CMP-velocity analysis	VSP-calculation: if the traceincrements had been larger with depth the calculated travelttime curves did not reach the max. depth - corrected now.			
27/01/2015	modelling - import xz	the 8. column was wrongly imported - corrected now			
18/01/2015	2D-dataanalysis - import SEG-Y-data	a new automatic check has been included if the original SEG-Y-data contain any dummy bytes at the end of the file			
12/01/2015	2D-dataanalysis - update traceheader with gps times	the handling of blank lines or false NMEA lines has been improved			
06/10/2014	2D-dataanalysis	a track bar (without any meaning) was included within the data window by mistake within ver. 7.5.4 - removed now			
06/10/2014	2D-dataanalysis- import 32 bit dzt data	an additional system marker has been included which will be ignored if the option no 32 bit system marker has been activated			
26/09/2014	2D-dataanalysis - velocity adaptation	now the adaption parameters (e.g. the velocity) may also be changed using the mouse wheel			
05.08.2014	3D-datainterpretation - view with deactivate ShowAxis	show name was deactivate if the ploption flipYAxis was activated			
05.08.2014	3D-datainterpretation - create 3D-file or timeslices	a floating point error message appeared if no 3D-file had been opened before creating a new 3D-file - corrected now			
04.08.2014	modelling	3D-raytracing based on datatraveltimes has been improved			
04.08.2014	travelttime analysis	apply xz-topography - now the ASCII-file may also consist of Unicode encoding.			
04.08.2014	travelttime analysis	A better check for zero velocities for the 1. layer has been included for the use of the wavefrontinversion with topography			
28.07.2014	2D-dataanalysis - edit traceheader - correct for offset in profile direction	A problem occured if the coordinates in x-direction did not vary at all - corrected now.			
07.07.2014	2D-dataanalysis - layershow	the printing on a pdf-file with activated option fill had been lead to smeared colours within the layers - corrected now.			
14.05.2014	2D-dataanalysis - correct 3Dtopography with activated option project on x or y-axis	The definition of the start coordinate after applying the processing option has been redefined for negative coordinates.			
14.05.2014	2D-dataanalysis - int. choice	the profile choice has been improved if the option use traceh. coord. has been activated.			
14.05.2014	2D-dataanalysis - ploptions use traceheader ref.level and correct header elevations activated	now the zooming is also supported if these otplions are active.			
14.04.2014	modelling - aAdd. topography	now the min./max. z-values after applying the option are restricted to the model borders.			
14.04.2014	2D-dataanalysis - edit traceheader, option correct for offset in profile direction	the special case of profile direction exactly in x-direction could lead to a wrong correction - corrected now.			
14.04.2014	2D-dataanalysis-global settings	dependent on the number of decimal places the paramter number of places was not always stored within the Reflexw ini-file after having closed Reflexw-corrected now.			
29.03.2014	2D-dataanalysis	zoom option kept will not be deactivated if the pick option automat.load has been activated.			
18.03.2014	2D-dataanalysis - export to bitmap with activated ploption TraceHeaderDist.	the profile start had to be identical to the fileheader profilestart - corrected now.			
12.03.2014	2D-dataanalysis - sequence processing remove header gain	asked for an ASCII-file - corrected now.			
23.02.2014	modelling - tomography	if 2D-tomographic data had been loaded together with activated options topography and elevation the travelttime data had to include the elvations, now the elevations within the travelttime data can also be 0			
23.02.2014	modelling - tomography	the min. plotrange has been lowered in order to ensure that using A white color for the min. velocity only the velocities outside the covered region (e.g. above the topography) will be affected			
11.02.2014	2D-dataanalysis - processing option resort group	the ensemble number will be automatically updated after having performed this option.			
27.01.2014	CMP-velocty analysis - 2D-model	now the min./max. distance and depth values for the display of the 2D-model will be automatically determined.			
27.01.2014	3D-datainterpretation - open second 3D-file	A new processing option had not been taken over for the primary file only after opening the processing menu again - corrected now.			
19.01.2014	2D-dataanalysis - fk-filter	now the filtered fk-range will be displayed within a separate window. The taper (f- and k) had been interchanged - corrected now.			

14.01.2014	modelling/tomography	until now averaging over the entered values in x- and z-direction has only been done during the inversion process and not for the end model - changed.			
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