

**Reflexw 8.5/8.0/7.5/7.0 news history (from 01.01.2014 to .....):**

date	module	changes	ver 8.5	ver 8.0	ver 7.5
09/25/17	2D-dataanalysis, correct 3D topography incl. Projection	now the source receiver distance will be ignored for const.offset files	x		
08/25/17	2D-dataanalysis, print	option Y-scale output activated – now the secondary lines will use an independent scale if the y-axis are different	x		
07/18/17	2D-dataanalysis, import SEG2	new check for the header parameters if these do not fully support standard	x		
07/13/17	modelling	new option export Reflexw rasterfiles under file	x		
07/13/17	2D-dataanalysis, gps import nmea strings	new control if a GPGGGA sentence is present – in this case all other sentences will be ignored	x		
07/13/17	2D-dataanalysis, save picks ASCII-columns	new option meridian stripe for the eastern output	x		
06/29/17	2D-dataanalysis, import	bitmap import has been improved	x	x	x
06/29/17	2D-dataanalysis, import	new format Crossover	x		
06/14/17	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		
06/08/17	2D-dataanalysis, import RADAN data	new option useDZXMarkers for a discrimination of reading markers from original dzt and dzx-file	x		
06/08/17	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		
6/7/17	2D-dataanalysis, load tom-pick files	now 3D-tom-files can be imported more precisely within the pickmenu	x		
11/7/16	printing with Rotate90Degree option	now printing with Rotate90Degree option is available within the 2D-dataanalysis and the CMP-velocity menu		x	
11/7/16	2D-dataanalysis, correct 3D-topography	now the coordinates may also be loaded from the traceheaders for the x-projection		x	
10/21/16	3D-datainterpretation, automatic adjustment of secondary profile	error message if profileincrement is not a multiple of the new traceincrement		x	
10/21/16	2D-dataanalysis, import	import VIY-data, original parameter WheelMult is now considered		x	
9/20/16	2D-dataanalysis, load free ASCII-format picks	Now if only depths and no traveltimes have been exported the travelttime values will be calculated from the depths and the actual velocity		x	x
8/8/16	2D-dataanalysis, edit traceheader menu, save on ASCII	a problem might occur for the batch start within one single file – corrected now		x	x
7/18/16	2D-dataanalysis, comment marker	warning message if the number of entries within comment.fil exceeds 32000		x	
7/4/16	2D-dataanalysis, file split	the start coordinate of the last splitted datapart could be wrong- corrected now		x	x
6/2/06	modelling- tomography	now the z-values may also be elevation values if the option altitude is activated		x	x
5/9/16	CMP-velocity analysis – create 2D-model	the size of the filenames pf the 1D-models (without path) was restricted to 20 characters, extended to 80 characters now		x	
5/9/16	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		x	
4/27/16	Traceheader – update based on ASCII-file/interpol.	the z-coordinates have not been interpolated – corrected now		x	x
4/27/16	2D-dataanalysis, fk-filter within sequence processing	it might happen that the filter stopped druing sequence processing – corrected now		x	x
4/27/16	2D-dataanalysis, FD migration	Some memory has not been released – corrected now		x	x
3/9/16	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		x	x
3/9/16	2D-dataanalysis, import multichannel Radan data	new check has been incorporated if single header has been activated		x	x
3/9/16	2D-dataanalysis, correct max.phase	it could happen that the processing option did not start – corrected now		x	x
2/23/16	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 neares coordinate pair, now the overall distance will be used		x	x
2/23/16	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		x	x
2/12/16	2D-dataanalysis, wigglescale	now the wigglescale <= 2 for tracenormalized datadisplay can also be changed interactively using the arrow key		x	x
2/9/16	2D-datanalysis, 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		x	x
2/3/16	2D-datanalysis, layershow, export Reflexw rasterfile	problems occured if the first layer number of the layershow did not start with number 1 and used afterwards for a timedepth conversion – corrected now		x	x
1/19/16	2D-dataanalysis, CMP-processing, geometry setting	standard geometry y-direction rec. And fixed line, table display not correct – corrected now		x	x
12/16/15	import Radan data	the restriction of max. 16000 samples has been removed			x
12/1/15	import IDS data	Now IDS-data with the code AC20 are considered.			x
11/20/15	plotoption autom.scale	if activated the interactive change of the act.palette did not work – corrected now			x
11/11/15	export to bitmap	now the plotoption autom.scale will be taken into account for the bitmap export			x

11/9/15	Modelling – 3D raytracing	The 3D-raytracing based on data traveltimes has been improved			x
10/7/15	export to Mala format	now the measured time will be exported to the Mala rad-file			x
07.10.215	Modelling – FD simulation	the max. size of the filenames has been increased to 40 characters without the filename path			x
10/7/15	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...)			x
8/14/15	import PulseEkko data	a new check has been included if undefined values are present within the original PulseEkko traceheaders			x
8/7/15	modelling- tomography	the multiple choice of tomographic data files did not work within ver. 7.5 – corrected now			x
7/30/15	CMP-velocity analysis	view traveltimes differences for VSP-data – now also nonequidistant picks are supported			x
06/26/2015	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			x
06/23/2015	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			x
06/04/2015	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.			x
05/06/2015	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			x
05/06/2015	2D-dataanalysis - prestack migration	now also integrated into sequence processing			x
03/24/2015	2D-dataanalysis - import Mala with baseline activated	the baseline format obm has been changed a little bit - now supported			x
03/16/2015	2D-dataanalysis - prestack migration	a problem could occur if topography based on the traceheader values had been chosen - corrected now			x
03/16/2015	2Ddataanalysis - 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			x
03/02/2015	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			x
02/27/2015	2D-dataanalysis - import IDS-data	now the dt data from the new Opera system can also be imported			x
02/26/2015	2D-dataanalysis - moving window spectrum	now the start value for the frequency axis will always be set to 0			x
02/26/2015	modelling - import (x,z)	a smoothing has been included if the number of xz-values exceeds the number of max. layer points			x
02/26/2015	traveltimes 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			x
02/23/2015	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			x
02/23/2015	modelling - tomography	option restrict to max.angle - until now after having changed this option or the parameters the traveltimes data had to be reloaded - now this is done automatically			x
02/18/2015	2D-dataanalysis - YoYo section	sometimes option did not work - corrected now			x
02/11/2015	2D-dataanalysis-global settings	The def.distance dimension for modelling/traveltimes analysis will be automatically checked when leaving Reflexw			x
02/10/2015	modelling - tomography	the calculation of the confidence file has been improved			x
02/02/2015	CMP-velocity analysis	VSP-calculation: if the traceincrements had been larger with depth the calculated traveltimes curves did not reach the max. depth - corrected now.			x
01/27/2015	modelling - import xz	the 8. column was wrongly imported - corrected now			x
01/18/2015	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			x
01/12/2015	2D-dataanalysis - update traceheader with gps times	the handling of blank lines or false NMEA lines has been improved			x
10/06/2014	2D-dataanalysis	a track bar (without any meaning) was included within the data window by mistake within ver. 7.5.4 - removed now			x
10/06/2014	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			x
09/26/2014	2D-dataanalysis - velocity adaptation	now the adaption parameters (e.g. the velocity) may also be changed using the mouse wheel			x
05.08.2014	3D-datainterpretation - view with deactivate ShowAxis	show name was deactivate if the ploption flipYAxis was activated			x
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			x
04.08.2014	modelling	3D-raytracing based on datatraveltimes has been improved			x
04.08.2014	traveltimes analysis	apply xz-topography - now the ASCII-file may also consist of Unicode encoding.			x
04.08.2014	traveltimes analysis	A better check for zero velocities for the 1. layer has been included for the use of the wavefrontinversion with topography			x

28.07.2014	2D-dataanalysis - edit traceheader - correct for offset in profile direction	A problem occurred if the coordinates in x-direction did not vary at all - corrected now.			x
					x
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.			x
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.			x
14.05.2014	2D-dataanalysis - int. choice	the profile choice has been improved if the option use traceh. coord. has been activated.			x
14.05.2014	2D-dataanalysis - plotoptions use traceheader ref.level and correct header elevations activated	now the zooming is also supported if these options are active.			x
14.04.2014	modelling - aAdd. topography	now the min./max. z-values after applying the option are restricted to the model borders.			x
					x
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.			x
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.			x
29.03.2014	2D-dataanalysis	zoom option kept will not be deactivated if the pick option automat.load has been activated.			x
18.03.2014	2D-dataanalysis - export to bitmap with activated plotoption TraceHeaderDist.	the profile start had to be identical to the fileheader profilestart - corrected now.			x
12.03.2014	2D-dataanalysis - sequence processing remove header gain	asked for an ASCII-file - corrected now.			x
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			x
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			x
11.02.2014	2D-dataanalysis - processing option resort group	the ensemble number will be automatically updated after having performed this option.			x
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.			x
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.			x
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.			x
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.			x





