Reflexw ver. 3.5.7 main changes   20.12.2004

module	problem description	changes	date
2D-analysis/ dataimport		traceincrement automatically set to 1 if distancedimension is set to TraceNr.	june 04
	SEGY-import	deactivated option ReadTraceHeader improved	june 04
	SEGY-import, coordinate scaler sometimes wrong within SEGY-header	new option ignore scaler	Sep 04
	SEGY-import, wrong samplenumber within SEGY-header	new option man.sample nr.	Sep 04
	RAMAC - import: GPS-file with extension mrk has not been supported until no	solved	Sep 04
	filename spec. Man/automatic only 2 or 4 characters allowed for the automatic name	now 6 and 8 characters are allowed as well as the namescaling is supported	Oct 04
2D-analysis/ print	print preview - may cause acess violation if printing size greater than one page	solved	dec 04
2D-analysis/ dataexport	bitmap export	bitmap export expanded to the formats BMP, JPG, TIF, PCX	june 04
	bitmap export - no interpolation and size restriction	automatic interpolation introduced and the max. size has been significantly increased (max. size in one direction: 30000 pixels)	dec 04
	ASCII-GRD export - the orientation of the x- and y-data was fixed which could lead to problems especially for timeslices	the orientation of the data sorting can be defined now	Sep 04
2D-analysis	markerinterpol	new option LastTraceMarker instead of KeepLastTraces - if activated a marker is automatically set for the last trace	june 04
	correct picked phase	max. number of picks (edit values) increased to 256000 and new suboption mov pos.	july 04
	TimeDepthConversion and FD-migration: bad velocity interpolation for hyperbol.adaptation	improved	Aug 04
	TimeDepthConversion	new suboption rasterfile which allows to read the velocities from a Reflexw formatted rasterfile (depth or two way traveltimes) - either mean or layer velocities	Aug 04
	correct 3D-topography, if only 2D-values are present the used weighting over the sqr(distance) could lead to unwanted undulations	sqr weighting has been replaced by a linear weighting with distance	Nov 04
	filehandling	new options next and prev. - allow a fast access to the datafiles	july 04
	zoomproblem with activated plot option reduction velocity	corrected	july 04
	traceeader - actualize, UTM-conversion: latitude always assumed to be on traceheader y-coord.	new suboption specifying the location of the latitude	Sep 04
	traceheader -actualize	new type PulseEkko-GPS and type IDS-GPS improved	Sep 04
	autoscroll might be too fast	delay option introduced for the autoscroll	Dez 04
		shortcuts for fast access to some plotoptions F2: enter plotmenu, F3: reset split screen and deactivate sec.line	
	no large cross if more than 2 profiles have been displayed at the same time	large cross enabled	Dez 04

2D-analysis/ picking	problems with continous picking within the secondary file if traceincrement and/or profilestart not identical to the primary file	cancel with an error message if the parameters do not match	may 04
		after reset set button will be automatically activated	june 04
		right mouse activates the option interpolation	july 04
	phasefollower and autocroll did not work for several reflectors	improved - now with activated option use code the phase follower may be used to pick several reflectors	dec 04
		new option move base on sec. picks - useful for example to correct picks for a topography	dec 04
2D-analysis/ layershow	when printing the grid was not visible if fill layers was activated	grid in front if fill layers activated and in back if fill layers deactivated	may 04
	the calculation of the mean thicknesses within the layershow report was based on the mean depths - this could lead to unwanted results if the overburden layers are not continuous	the mean thicknesses are now calculated from the individual thicknesses at each location	dec 04
2D-analysis/ AD-convers.	problem with filenaming	corrected	july 04
2D-analysis/ 3-component	if ikomp is not correctly set the 3-component analysis does not work	automatic control of ikomp and automatic definition	may 04
	the analysis window was always centered around the cursor time	new option start time for analysis window for setting the start time to cursor-window, center or cursor time	dec 04
2D-analysis/ CMP- processing	define standard geometry for moving line: rounding problem could occur for a one-sided line	corrected	Sep 04

3D-interpret ation	picking: save ASCII-colums, no output of the 3D-coordinates	now 1. Colum shotx, 2.colum: shoty	july 04
	3D-cube display: name of the actual cut was not displayed	option show name now also works for the 3D-cube display	Sep 04
	3D-picking: each cut must have the same number of points in the individual directions - lead to an error message when the 3D-file has been created from parallel lines which do not have the same length.	during generation of 3D-file from parallel lines zero traces are automatically included at the end of each cut if necessary	Aug 04
	generate single timeslices	save and load option for the timeslice parameters as well as new option batch create	Oct 04
	generation of a 3D-file from parallel 2D-lines: if the 2D-lines do no have the same length zero traces have only be included during plotting	Now the individual 2D-lines within the 3D-file always have the same length - zero traces are automatically included during the 3D-file generation	Aug 04
	when using the 2D and the 3D window together some plotoptions have been used for both windows	now the plotopitons man.scaling, colro palette, depth axis and show axis are independent	Sep 04

modelling and CMP-analysis		new option rasterfile which allows to store the rastered Reflexw formatted 2D-velocity field on any filename	may 04
modelling	printout with activated option ShowAdditional rasterfile - always the actual rastered model has been included	corrected	
	printout with ShowColorBars activated - bad layout	improved	may 04
	input of physical parameters menu: option Import(xz) only allowed to import one physical parameter (epsilon or vp) and the corresponding gradient	option Import (x,z) expanded to the import of 3 physical parameters and the corresponding gradients	may 04
		new option LoadFromAscii - allows to read a complete model from an ASCII-file	june 04
	problem with topography: the last modelpoint has not been correctly changed	corrected	july 04
	raytracing with topography - until now it was not allowed that the topography has been located above the 0 m level when using the calculate type "data traveltimes"	corrected - now the topography may also be located above 0 m (negative values)	Oct 04

CMP-velocity analysis	until now te semblance analysis and the data window used the same color palette	individual color palette for the semblance analysis included	Sep 04
	poor zoom and scroll possibilities	zoom and scroll possibilities improved	Oct 04
	printing was not supported until now	print option now included	Oct 04
		new option rasterfile which allows to store the rastered Reflexw formatted semblance analysis on any filename	Oct 04
	the ASCII format for the 1D-model is very strict (exact number of places and decimals) - complicated if created outside REFLEXW	loosening up the format restriction	Oct 04