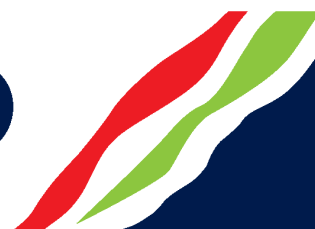


6.100 PATCH RELEASE NOTES

Trap Tester 6



SEISMIC INTERPRETATION > STRUCTURAL MODELLING > FAULT SEAL

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Release 6.100	03/2012	Full distribution of TrapTester 6.1
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PATCH INFORMATION

Patch 6.101	28/06/12	Patch release (Solaris/Linux/Interix)
Bug Fixes/Enhancements		
<i>ID No.</i>	<i>MODULE:</i>	<i>FILES</i>
<2206>	EARTHGRID:	lib*/libGEOS.so
	Stability improvement for Cell-Grid modelling.	
<2207>	SLICER:	bin*/slicer
	Seismic slicer fails with no errors - just does nothing!	
<2208-E>	TRAPTESTER:	bin.*/ttctl
	Allow project open without having to close current project.	
<2211>	TRAPTESTER:	scripts/dspace
	Backup fails on non-English language variants of Redhat.	
<2213>	EARTHGRID:	lib*/libGEOS.so
	Cell-Grid creation crashes when no faults in project.	
<2214>	CUBEXPLORER:	lib*/libZIP3D.so
	AutoTracker causes Volume Editor crash with volumes > 2GB.	

Patch 6.102	08/08/12	Patch release (Solaris/Linux/Interix)
Bug Fixes/Enhancements		
<i>ID No.</i>	<i>MODULE:</i>	<i>FILES</i>
<2215>	SYSTEM:	bin*/ttwinutil.exe lib*/libU.so
	(Interix) System memory stats returned incorrectly.	
<2216>	SEISMIC:	lib*/libBGL.so
	Seismic 3D seismic access efficiency improvements.	
<2217>	CUBEXPLORER:	lib.*/libCubeX.so
	3D Autotracker fault-handling fails with very big volumes.	
<2218>	SYSTEM:	bin.*/diskspace scripts/restoreFAPS scripts/backupFAPS
	Project backup/restore disk-space check fails when disk-space > 2TB.	
<2207>	SEGYSLOADER:	lib.*/libBGL.so
	SEGYS Loader and SEGYS Export fail with large volumes.	
<2223>	VOLUME EDITOR:	lib.*/libGEOS.so lib.*/libGOM.so
	Horizon attribute contouring bridges fault gaps.	

<2224>	VOLUME EDITOR:	lib*/libGEOS.so		
	Fault modelling crash for single seg correlations when attrib limits set.			
<2225>	SEISMIC:	lib*/libSection.so		
	Moving fault segment points fails to update if "Bind on edit" is off.			
<2226>	DBTREE:	lib*/libAPPL.so		
	Time-Depth curve reports the wrong values due to conversion issue.			
Patch 6.110	22/10/12	Patch release (Solaris/Linux/Interix)		

Bug Fixes/Enhancements

ID No.	MODULE:	FILES		
	TT-SYSTEM:	ALL FILES		
	<p>In addition to the specific items below, this patch introduces several major new enhancements:</p> <ul style="list-style-type: none"> ❖ Fault and horizon image mapping ❖ Shape file support and culture styles ❖ Interactive 3D survey grid creation ❖ Create cell grid properties from seismic data ❖ Cell property modelling using collocated co-kriging ❖ Cell-grid pillar editing ❖ Attribute alias manager (new utility) ❖ New "Equant Triangle" fault surface modelling processes ❖ Display fault & horizon intersections on seismic lines ❖ Seismic amplitude histograms (SEG Y loader and BGL Volume Manager). <p>Once this patch has been installed refer to the NewFeatures.pdf in TT_HOME/docs/updates/6.110 for a more detailed description of the new features.</p>			
<2227>	CUBEXPLORER:	lib*/libCubeX.so		
	CubeXplorer colourmap editor title changed to distinguish from Seismic module.			
<2230>	PETREL LINK:	bin*/petrel_imp		
	Importing of culture line objects fails in Petrel Importer.			
<2232>	CUBEXPLORER:	lib*/libCubeX.so		
	Section editing using CubeX incorrectly loads sections in active view.			
<2238>	GEOSERVER:	lib*/libGOM.so	lib*/libGEOS.so	
	Under certain conditions the CurveMapper system could fill an interval with zeros where a NULL value would be expected.			
<2239-E>	PETREL LINK	/etc/menus/ttmenu.rc	bin*/ttctl	
		/etc/iosys/systems.rc		
	Petrel importer now available without any direct-link configuration.			
<2240-E>	IO-CONFIG	/etc/iosys/systems.rc	lib*/libCDA.so	
		lib*/libAPPL.so		
	Caters for IO-system version compatibility in direct-links.			
<2241>	EARTHGRID:	lib*/libCPG.so		
	CPG creation crashes Volume Editor with fault names longer than 30 characters.			
<2242>	VOLUME EDITOR:	bin*/vol_ed		
	Deletion of a Volume-Editor shortcut with a shared hotkey could cause a crash.			
<2243>	EARTHGRID:	lib*/libGEOS.so	lib*/libCPG.so	
	CPG creation can result in faults which exhibit holes in the surface.			

Patch 6.120		14/01/13		Patch release (Solaris/Linux/Interix)	
Bug Fixes/Enhancements					
<i>ID No.</i>	<i>MODULE:</i>	<i>FILES</i>			
	TT-SYSTEM:	All Files			
	<p>In addition to the specific items below, this patch introduces several major new enhancements:</p> <ul style="list-style-type: none"> ❖ Triangle-Direct - a new system for simplified access to Triangle ❖ 2D and arbitrary line linearization (Volume Editor) ❖ Support for free-form arbitrary lines (Volume Editor) ❖ Support for loading geo-referenced images (Volume Editor) ❖ Improved NULL data handling (Attribute Calculator) ❖ Polygonal area measurement tool (Volume Editor) ❖ New Horizontally-projected well-curve display option (Volume Editor) ❖ Well curve nullification option (Well Editor) <p>Once this patch has been installed refer to the NewFeatures.pdf in TT_HOME/docs/updates/6.120 for a more detailed description of the new features.</p>				
<2231>	CUBEXPLORER:	etc/shaders/volred.frag			
	Volume rendered displays not lighting correctly when using lighting volume.				
<2233>	CUBEXPLORER:	lib*/libCubeX.so			
	Probe controller not saving all settings in session.				
<2246>	LICENSE SYSTEM:	bin.Interix/*			
	License proxy server failures/errors when some AV security software is in use. The problem would cause license checkout failures and applications to exit.				
<2247>	DBTREE:	lib*/libAPPL.so			
	Raw data view in dbtree now indicates when more data lines are available.				
<2248>	CUBEXPLORER:	lib*/libCubeX.so			
	CubeXplorer style editor Z increment label correction.				
<2249-E>	VOLUME EDITOR:	lib*/libCUL.so			
	Extend culture system to permit loading of geo-referenced images.				
<2251-E>	WELL EDITOR:	bin*/well_ed	lib*/libBOGL.so		
	Extend well-curve processing to nullify attribute values according to range.				
<2252>	VOLUME EDITOR:	bin*/seis_ext			
	Error extracting seismic data into cell grids from volumes larger than grids.				
<2253>	PETREL-IO	bin*/petrel_imp			
	Use project default velocity to allow Petrel import of wells without TWT data.				
<2254>	VOLUME EDITOR:	lib*/libGEOS.so			
	Volume Editor crash when loading sections with NULL surface intersects.				
<2256-E>	EARTHGRID:	lib*/libEarthGrid.so			
	Pillar grid editing improved with better pillar-rotation controls.				
<2257-E>	VOLUME EDITOR:	lib*/libBOGL.so	lib*/libSection.so		
	Improved facility for loading a seismic section from a point on horizon raw data. This facility now attempts to automate the 3D row/column selection rather than always presenting the user with a choice.				

<i>ID No.</i>	<i>MODULE:</i>	<i>FILES</i>		
<2258>	VOLUME EDITOR:	lib*/libBOGL.so	lib*/libBOGLU.so	lib*/libCDB2.so
		bin*/vol_ed		
Style-Editor memory usage too high. Colour controls have been simplified so as not to use so many system resources.				
<2259-E>	USER INTERFACE:	lib*/libBOGLU.so		
		Add facility to invert the colours in a colour-map. A new button has been added to the colour-map editor to do this.		
<2260-E>	USER INTERFACE:	lib*/libMU.so		
		The slide-bar UI (used for specifying 3D volume ranges in CubeXplorer and elsewhere) now indicates uncommitted edits by highlighting text values in red.		
<2261>	CUBEXPLORER:	lib*/libCubeX.so		
		Probe controller volume render check-box incorrectly set after volume load.		
<2262-E>	CUBEXPLORER:	etc/faprc/ve/..		
		Added CTRL+\ shortcut to warp to selected probe face.		
<2265>	PETREL-IO	bin*/petrel_imp		
		Crash when importing seismic data with incompatible Z-domain.		
<2266>	ASCII-IO	bin*/asc_io		
		2D Horizon import crashes if the target survey contains any line with less than 5 points in the navigation data.		
<2267>	VOLUME EDITOR:	lib*/libCUL.so		
		Trimeshes exported from TT no longer load using the TT culture system.		

Patch 6.121	13/02/13	Patch release (Solaris/Linux/Interix)		
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Bug Fixes/Enhancements

<i>ID No.</i>	<i>MODULE:</i>	<i>FILES</i>		
<2269>	TT-SYSTEM:	bin.Interix/gzip	scripts/backupFAPS	
		scripts/restoreFAPS		
Backup/restore fails on Interix 32-bit systems.				
<2271>	FAULTED:	lib*/libAPPL.so		
		FaultED scenario modelling timestamp resets each time a change is made.		
<2272>	LICENSE SYSTEM:	scripts/lmadmin		
		lmadmin script fails if OS unrecognised as STARTER variable is undefined.		
<2275>	CUBEXPLORER:	lib.*/libCubeX.so		
		Crash when clicking disabled Probe Controller volume render checkbox.		
<2276>	CUBEXPLORER:	lib.*/libCubeX.so		
		Tape measure fails on probe face with interpretation-mode off.		
<2278>	WELL MODULE:	lib.*/libWell.so		
		Crash when selecting/showing trajectory-less well using list menu options.		
<2279>	OW-LINKS:	bin.*/ow5000_*_dataio		
		OW 5000 data-link fault load fails if any OW segs contain >1024 points.		
<2280>	USER INTERFACE:	lib.*/libAPPL.so	lib.*/libMU.so	
		General UI stability fix (object editor dialogs).		
<2281>	FASIT:	lib.*/libGEOS.so		
		Zero-offset fault polygons do not contribute to population rose diagram.		
<2282>	OPENSPIRIT LINK:	lib.*/libBIO.so	lib.*/libOSIO.so	
		OpenSpirit link crashes upon initialization		

Patch 6.122		05/04/13		Patch release (Solaris/Linux/Interix)	
Bug Fixes/Enhancements					
<i>ID No.</i>	<i>MODULE:</i>	<i>FILES</i>			
<2285>	FASIT:	bin.*/fasit			
	Fault trace lengths data always exported in internal units with zero precision.				
<2288-E >	CUBEXPLORER:	lib.*/libCubeX.so			
	CubeXplorer probe controller and manager UI usability improvements.				
<2289>	SEISMIC:	lib.*/libSection.so			
	2D autotracker does not follow peaks/troughs on CubeXplorer probe faces.				
<2290>	SEISMIC:	lib.*/libSection.so			
	Correlation panel interaction-handles missing on probe faces.				
<2294-E>	SEISMIC:	bin.*/vol_ed	lib.*/libSection.so		
	Correlation panel paste should try to locate SCP at pointer.				
<2295>	VOLUME EDITOR:	bin.*/vol_ed			
	Contouring: problems with labelling both minor and major contours.				
<2296>	FAULTED:	lib.*/libAPPL.so			
	FaultED scenario sets wrong horizon sampling mode.				
<2297>	VOLUME EDITOR:	bin.*/vol_ed			
	Fix sporadic crash during image mapping.				
<2298>	PETREL LINK:	bin.*/petrel_imp			
	Importing culture point-set from Petrel fails.				
<2299>	TXM:	lib.*/libTXM.so			
	Fix for Display Method time-stamp system malfunction.				
<2300>	GEOSERVER:	lib.*/libGEOS.so	lib.*/libGOM.so	lib.*/libOKADA.so	
		lib.*/libCDA.so			
	General geometry engine improvements:				
	❖ Improvements to equant triangulation				
	❖ Cater for zero-offset polygons for FASIT rose diagrams				
	❖ FaultED fixes and improvements				
Patch 6.123		08/05/13		Patch release (Solaris/Linux/Interix/WindowsVM)	
Bug Fixes/Enhancements					
<i>ID No.</i>	<i>MODULE:</i>	<i>FILES</i>			
<2301>	VOLUME EDITOR:	lib.*/libGSTAT.so			
	Minor issue with linear detrend.				
<2302>	DBTREE:	bin.*/fnetimp			
	FNET Importer: doesn't set the "use for throw" flag on newly created horizons.				
<2303>	EARTHGRID:	lib.*/libEarthGrid.so			
	Deterministic property modelling tool does not deal with failure on >1 attributes.				
<2304>	EARTHGRID:	bin.*/seis_ext			
	Cell-based seismic extraction data misalignment.				
<2305>	BASEMAP:	lib.*/libCUL.so			
	Bug with how the culture-file include system applies transformations and minor issue with image mapping.				

<2308>	XPHOTO:	bin.* / VMutil	scripts/openurlFAPS	
Xphoto preview feature fails on Windows VMware.				
<2309>	TRAPTESTER:	scripts/editFAPS	scripts/editfileFAPS	
editFAPS & editfileFAPS scripts fail to launch editor (Windows VM only).				
<2310>	TRAPTESTER:	bin.Interix/ttwinrun.exe		
		bin.Interix/ttwinutl.exe		
		bin.Interix/flexlm/ttprxsrv.exe		
		etc/misc/ttprxsrv.dat		
Miscellaneous security fixes (Windows Interix & Windows VM only).				
<2311>	FASIT:	lib*/libGEOS.so		
Constant offsets in cumulative throw plots (Regressive bug from 6.122/#2300).				
<2312>	BASE-SYSTEM:	lib*/libg2c.so.0		
Hardcopy functionality fails on Ubuntu (Linux_64 only).				
<2313>	EARTHGRID:	lib*/libBOGL.so		
Cell-grid pillar editing double click operation can lead to unpredictable behaviour.				
<2316-E>	OPENWORKS LINKS	bin*/ttow_rename		
Enhance the R2003-R5000 updater to handle R5000 project name changes.				
<2317>	BASEMAP:	lib*/libBaseMap.so		
Unloading multiple culture files produces a memory error.				
<2318>	DBTREE:	bin.* / asc_io		
ASCII fault export window too tall for 720p display.				
<2319>	APPL:	lib*/libAPPL.so		
Polygon Edit dialog fails to render polygon image.				
<2320>	CDA:	lib*/libCDA.so		
Cell-grid user-attributes not shown in DB-tree.				
<2321>	EARTHGRID:	lib*/libGSTAT.so	lib*/libEarthGrid.so	
Fix memory error and memory leak.				
<2323>	CUBEXPLORER:	lib*/libSection.so		
Interpretation mode picking fails where volume Z range greater than survey Z range.				
<2324>	CUBEXPLORER:	lib*/libCubeX.so		
Interpretation mode warning dialog shows on session load.				
<2325>	CUBEXPLORER:	lib*/libCubeX.so		
Volume creation object does not inherit colour from style and access definition.				
<2326>	SURFACE:	lib*/libGEOS.so	lib*/libGOM.so	
Horizon depth/time attribute - occasionally nodes have are set to NaN.				
<2328>	SURFACE:	lib*.libGEOS.so	lib*/libGOM.so	
Flaps appear round the boundary of horizon trimeshes.				
<2329>	GEOSERVER:	lib*/libBOGL.so	lib*/libCDA2.so	lib*/libCPG.so
		lib*/libCUL.so	lib*/libGEOS.so	lib*/libGOM.so
		lib*/libOKADA.so	lib*/libQM.so	lib*/libSection.so
		lib*.libEarthGrid.so	bin*/asc_io	
		bin*/ecl_import	bin*/fnet_imp	bin*/petrel_imp
		bin*/seis_ext	bin*/tstx	bin*/vol_ed
Various improvements & fixes to Equant Triangle fault surface modelling system.				

Patch 6.124	14/05/13	Patch release (Solaris/Linux/Interix/WindowsVM)	
Bug Fixes/Enhancements			
<i>ID No.</i>	<i>MODULE:</i>	<i>FILES</i>	
<2358>	SEISMIC:	lib.* /libSection.so	
	Labels for surface intersections don't behave according to style UI		
<2363>	ATTCALC:	scripts/upgradeFAPS	
	TT-project upgrade ruthlessly out-dates all attcalc macros		
<2364>	BASEMAP:	lib.* /libBaseMap.so	
	Style session data not saved with correct version		

Patch 6.130	04/07/13	Patch release (Solaris/Linux/Interix/Windows)	
Bug Fixes/Enhancements			
<i>ID No.</i>	<i>MODULE:</i>	<i>FILES</i>	
	TT-SYSTEM:	All Files	
	In addition to the specific items below, this patch introduces several major new enhancements:		
	<ul style="list-style-type: none"> ❖ TrapTester to TrapTester Data-Link ❖ TrapTester to Petrel Data-Link ❖ Support for storage & display of new horizon data-types ❖ Enhanced 3D raw-horizon data display ❖ Composite section displays ❖ EarthGrid property modelling update ❖ Triangle-Direct updates (now accessible from TT main menu) ❖ Well time-depth curve updates (velocity display/edit tool) ❖ Enhanced task-based attribute exporter tool 		
	Once this patch has been installed refer to the NewFeatures.pdf in TT_HOME/docs/updates/6.130 for a more detailed description of the new features.		
<1560>	APPL:	lib.* /libAPPL.so	
	Can't assign units to an "Undefined" well-attribute type.		
<1779>	TRIANGLE:	bin.* /triangle	
	Triangle does not respond to well horizon pick changes.		
<1812>	WELL EDITOR:	bin.* /well_ed	
	Well Editor horizontal scrollbar doesn't re-size correctly.		
<2284>	SEISMIC:	lib.* /libSection.so	
	New horizon interp on flattened sections is incorrectly transformed.		
<2286>	SEISMIC:	lib.* /libSection.so	
	2D autotracker settings not saved in session		

<i>ID No.</i>	<i>MODULE:</i>	<i>FILES</i>
<2356>	VOLUME EDITOR:	lib*/libWell.so
	Volume Editor extents can become corrupt when project offset is outside project extents.	
<2357-E>	TRIANGLE:	bin*/tttri
	Add project path selection to Triangle-Direct.	
<2370>	VOLUME EDITOR:	lib*/libSurface.so
	Fault display methods not set after session load.	
<2371>	APPL:	lib.*/libAPPL.so
	Crash on GNAV editor apply/OK when underlying SRVY editor has been closed.	
<2372>	CUBEXPLORER:	lib.*/libCubeX.so
	Unloading session should remove non-persistent volumes.	
<2373>	CUBEXPLORER:	lib.*/libCubeX.so
	Duplicate volume names can occur during session load.	
<2374-E>	CUBEXPLORER:	lib.*/libCubeX.so
	Add prompt for confirmation when creating volume already encompassed by existing volume.	
<2376>	SYSTEM:	scripts/upgradeFAPS
	Project open fails if no Attcalc macros are defined.	
<2378>	BASEMAP CULTURE:	lib*/libCUL.so
	Single point shape-file objects don't load into viewer.	
<2380>	PETREL LINK:	bin.*/tt_imp
	Exporting surfaces with export mode set to "Skip Existing" causes an error.	
<2381>	PETREL LINK:	bin.*/tt_imp
	Well-picks fail to import from Petrel into TrapTester TIME project.	
Patch 6.131	14/08/13	Patch release (Solaris/Linux/Interix)

Bug Fixes/Enhancements

<i>ID No.</i>	<i>MODULE:</i>	<i>FILES</i>
<2382>	CUBEXPLORER:	lib.*/libCubeX.so
	Loaded seismic volume's 'persistent' flag is not saved with session.	
<2384>	ECLIPSE I/O:	bin*/ecl_import
	ECLIPSE import occasional crash at end of load cycle.	
<2385>	ECLIPSE I/O:	bin*/ecl_import
	ECLIPSE import creates wrong Cell I,J,K attributes.	
<2386>	BASEMAP:	lib.*/libBaseMap.so
	Occasional crash during session save.	
<2387>	PETREL LINK:	bin.*/tt_imp
	Cellular model import now creates a default scenario.	
<2388>	PETREL LINK:	bin.*/tt_imp
	Cancelling project offset update has no effect (import still occurs).	
<23869	PETREL LINK:	bin.*/tt_imp
	Attempting to import an incompatible (old) export file yields meaningless error.	
<2391>	OPENWORKS LINK:	bin*/ow_5000*dataio
	OW data io improvements: ❖ remove max points per fault seg restriction on import ❖ UI altered to provide more room for seismic file names	

Patch 6.132	10/09/13	Patch release (Solaris/Linux/Interix)	
Bug Fixes/Enhancements			
<i>ID No.</i>	<i>MODULE:</i>	<i>FILES</i>	
<2393>	SYSTEM:	user/faps.conf	
	Installation faps.conf incorrectly specifies FAP_ENABLE_CORE		
<2394>	EARTHGRID:	lib.*/libTGP.so	
	Errors when saving hand-coded TransGen thickness or permeability plugins.		
<2396>	VOLUME EDITOR:	lib.*/libGEOS.so	
	Volume Editor crash when deleting surface triangles.		
<2397>	APPL:	lib.*/libAPPL.so	
	Launching Seismic Access Definition dialog causes SEGV on Interix.		

Patch 6.133	19/09/13	Patch release (Linux)	
Bug Fixes/Enhancements			
<i>ID No.</i>	<i>MODULE:</i>	<i>FILES</i>	
<2399>	IESX LINK:	bin.Linux/iesx2012_data	lib.*/libIOS.so
		bin.Linux/iesx2012_seis	etc/menus/ttmenu.rc
		bin.Linux/iesx2012_wellio	etc/iosys/systems.rc
		bin.Linux_64/iesx2012_data	scripts/iesxconf
		bin.Linux_64/iesx2012_seis	
		bin.Linux_64/iesx2012_wellio	
	Added Geoframe 2012 support for Linux.		

Patch 6.134	05/11/13	Patch release (Solaris/Linux/Interix)	
Bug Fixes/Enhancements			
<i>ID No.</i>	<i>MODULE:</i>	<i>FILES</i>	
<2398>	ATTCALC:	etc/attcalc/template.c	
	AttCalc macros did not perform unit conversion correctly when dealing with NULL data values.		
<2400>	PETREL-LINK:	bin.*/tt_imp	
	Fault segments are incorrectly imported into TrapTester as abstract.		
<2401>	ASCII-IMPORT:	bin*/asc_io	
	Horizon ASCII import names truncated to 30 characters.		
<2403>	DB-EXPLORER:	lib*/libCDA2.so	
	Horizon point sets failed to cut and paste in database Explorer.		

<i>ID No.</i>	<i>MODULE:</i>	<i>FILES</i>		
<2404>	PETREL-LINK:	bin.*/ecl_export	bin.*/ecl_import	bin.*/fnet_exp
		bin.*/idb_upd	bin.*/seis_ext	bin.*/tt_imp
		bin.*/tt_exp	lib.*/libAPPL.so	lib.*/libCDA2.so
		lib.*/libCPG.so	lib.*/libGEOS.so	lib.*/libGOM.so
		lib.*/libIDB500.so	lib.*/libEarthGrid.so	lib.*/libSurface.so
Support transfer of well and corner-point grid data from TrapTester to TrapTester/Petrel. Requires new Petrel Plugin (2.1.0) which may be downloaded from the Badleys ftp site.				
<2407>	VOLUME EDITOR:	bin*/vol_ed		
	Export of Volume Editor shortcuts does not confirm action taken.			
<2408>	TRAPANALYST:	lib.*/libTTR.so		
	New Yielding HCH not being reported correctly.			
<2409>	TRAPTESTER:	bin.*/vol_ed	lib.*/libMU.so	
	Spurious beeping when using keyboard shortcuts.			
<2411>	TRAPANALYST:	lib.*/libTTR.so		
	Reservoir/trap objects sometimes fail to be created during trap-testing phase.			
<2412>	VOLUME EDITOR:	lib*/libIDB500.so		
	Cell grid removal can crash volume editor.			
<2413>	EARTHGRID:	lib*/libEarthGrid.so		
	CPG creation defaults with black colour.			

Patch 6.135	19/11/13	Patch release (Solaris/Linux/Interix)
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Bug Fixes/Enhancements

<i>ID No.</i>	<i>MODULE:</i>	<i>FILES</i>		
<2419>	SYSTEM:	etc/misc/ftpsite	scripts/versionFAPS	
	Updated ftp configuration to use new high-bandwidth 'download.badleys.co.uk' patch site.			
<2425>	VOLUME EDITOR:	lib.*/libCDA.so		
	Horizon raw data attribute extraction now honours Z null.			

Patch 6.136	17/01/14	Patch release (Solaris/Linux/Interix)
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Bug Fixes/Enhancements

<i>ID No.</i>	<i>MODULE:</i>	<i>FILES</i>		
<2429>	PETREL-LINK:	bin.*/tt_exp		
	Exporting well fails if TD curve points lie outside of trajectory.			
<2433>	ASCII-IO:	bin.*/asc_io		
	Tri-Mesh import/export does not honour the "GEOLOGICAL_TYPE" flag.			
<2437>	FASIT:	bin.*/fasit		
	Add average strain summation to plot info in the fault summation and strain tab.			

Patch 6.137		05/03/14		Patch release (Solaris/Linux/Interix)	
Bug Fixes/Enhancements					
<i>ID No.</i>	<i>MODULE:</i>	<i>FILES</i>			
<2418>	SURFACE:	lib.* /libGEOS.so			
	Dip attribute computation on a horizon trimesh gives incorrect values next to faults.				
<2442>	TRAPTESTER:	lib.* /libAPPL.so			
	General but occasional errors in XY unit text widgets.				
<2443>	FAULTED:	lib.* /libGEOS.so			
	ED-Model runs can accumulate restored fault geometries.				
<2444>	GEOSEVER:	lib.* /libGOM.so			
	Midpoint-smoothed segments are two vertices too short.				
<2446>	SEISMIC:	lib.* /libSection.so			
	Correlation panel remains in viewer after deletion until redraw.				
<2447>	VOLUME EDITOR:	lib.* /libAPPL.so			
	Setting active fault from the drop-list's find dialog does not work.				
<2448>	EARTHGRID:	lib.* /libCDA.so	lib.* /libTG.so	lib.* /lipTGP.so	
	TT-TG batch-mode adjustments to DRAG or FZONE plugins not functioning properly.				
<2449>	SURFACE:	libs.* /libSurface.so	bin.* /vol_ed		
	Image mapping causes a crash if attributes not synchronised on horizon surface.				
<2450>	EARTHGRID:	lib.* /libZIP3D.so			
	Auto-tracker occasionally steps through faults.				
<2451>	SEG-Y LOADER:	bin.* /seg_y2bgl			
	3D SEG-Y Loader results in regular dead traces (1 in 1024) in output volume.				

Patch 6.138		24/09/14		Patch release (Solaris/Linux/Windows-VM)	
Bug Fixes/Enhancements					
<i>ID No.</i>	<i>MODULE:</i>	<i>FILES</i>			
<2454>	TRAPTESTER:	scripts/vcheckFAPS			
	Patching instructions upon startup should be more specific to OS.				
<2455>	TRAPTESTER:	scripts/configfaps			
	\$LD_LIBRARY_PATH not preserved in VirtualGL environments.				
<2456>	EARTHGRID:	lib.* /libGEOS.so			
	EarthGrid "process traces" causes occasional crash.				
<2457>	VOLUME MANAGER:	bin.* /bgl_manager			
	2D SEG-Y export creates files with incorrect trace numbers.				
<2460>	SEISMIC:	lib.* /libSection.so			
	Section: crash on loading time slices in new viewer.				

<i>ID No.</i>	<i>MODULE:</i>	<i>FILES</i>		
<2464>	VOLUME CREATION:	bin*/bgl_create		
	BGL Correlation vol creation crashes with big input volumes.			
<2465>	SEISMIC:	lib*/libSection.so		
	Minor fix for possible stack corruption.			
<2467>	CDA:	lib*/libCDA.so		
	Deletion of horizon volume did not remove horizon raw data display in local app.			
<2470>	GEOSERVER:	lib*/libCDA.so	lib*/libGEOS.so	
	Fault surface synchronisation problems.			
<2474>	OPENWORKS LINKS:	bin.Linux_64/ow*dataio		
		bin.Linux_64/ow*seisio		
	OpenWorks datalink fails with long seismic filenames or filenames with embedded spaces.			
<2475>	GEOSERVER:	lib*/libGEOS.so		
	Volume Editor crash when creating equant tri-mesh for fault surfaces constructed with only point-set data.			
<2476>	VOLUME EDITOR:	lib*/libCDA.so		
	Volume Editor crash when importing ASCII raw horizon data.			
<2477>	WELL EDITOR:	bin*/well_ed		
	Simplify well editor license check out.			
<2480>	PETREL LINK:	bin.*/tt_imp	bin.*/tt_exp	
	Export of cellular grid should contain horizon (layer) names.			
<2481>	ASCII-IO:	bin*/asc_io		
	Tri-mesh import crashed if file contains blank lines.			
<2482>	CDA:	lib*/libCDA.so		
	Deletion of fault point-sets fails with errors.			
<2483>	SURFACE:	lib*/libSurface.so		
	ASCII import of fault segments can cause Volume Editor crash.			
<2484>	SURFACE:	lib*/libSurface.so		
	3D Raw horizon data fill mode style occasionally causes Volume Editor crash (related to survey sub-grid).			
<2485>	CDA:	lib*/libCDA.so		
	Polygon name edits are not stored in the database.			
<2486>	DBTREE:	lib*/libCDA.co	bin.*/dbtree	
	Enable detection and display of duplicate polygon instances.			
<2488>	ASCII-IO:	bin*/asc_io		
	Tri-mesh export can now export multiple meshes per output file.			